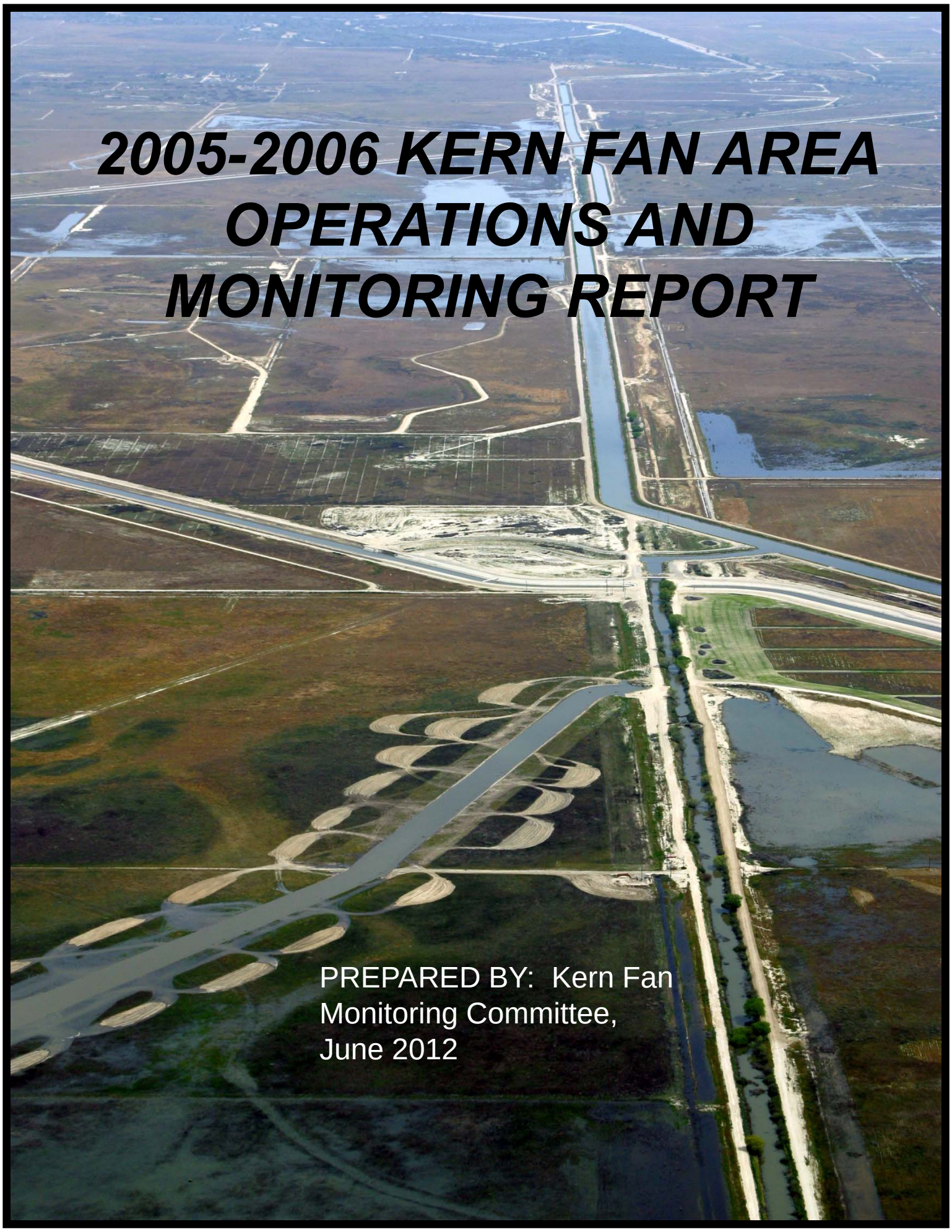
Appendix 1.3-D
2005-2006 Kern Fan Area Operations and Monitoring Report



2005-2006 KERN FAN AREA OPERATIONS AND MONITORING REPORT

PREPARED BY: Kern Fan Monitoring Committee,
June 2012

2005-2006 Kern Fan Area Operations and Monitoring Report

Kern Fan Monitoring Committee

June 2012

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The data presented in the Kern Fan Area Operations and Monitoring Report are derived from multiple sources and are the best available at the time of publication and subject to change. The groundwater analyses presented are the interpretations of Ken Schmidt, Kenneth D. Schmidt and Associates, independent hydrogeologist to the Kern Fan Monitoring Committee, and other participants in the Kern Fan Monitoring Committee (for a full list of participants please see the next page) and are not intended to support, refute or replace any analyses by other parties. All supporting data and calculations used to prepare this report are available for public review through the Kern Fan Monitoring Committee.

Kern Fan Monitoring Committee Participants:

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Buena Vista Water Storage District
City of Bakersfield, Water Resources Dept.
Dudley Ridge
Henry Miller Water District
Improvement District No. 4
Kern County Water Agency
Kern Delta Water District
Kern Water Bank Authority
Lost Hills Water District
McAllister Ranch Irrigation District
North Kern Water Storage District
Rosedale-Rio Bravo Water Storage District
Semitropic Improvement District
Tejon-Castac Water District
West Kern Water District
Westside Mutual Water District
Wheeler Ridge-Maricopa WSD

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Chapter 1

KERN FAN OPERATIONS REPORT 2005-2006

BACKGROUND

In 1995, a Memorandum of Understanding (MOU) was developed between the Kern Water Bank Authority's project participants and adjoining entities. As part of the MOU, the Kern Fan Monitoring Committee (Committee) was established to oversee the development and implementation of a monitoring program for the KWB, and the surrounding area. From 1997 through 2003, several additional banking projects were developed on the Kern Fan. These included the Pioneer (1997), Berrenda Mesa (1999), Rosedale - Rio Bravo WSD (2003), Buena Vista WSD (2003), and Kern Delta (2003) projects. All of these projects entered into agreements similar to the KWB MOU, and all agreed to participate in the Committee's monitoring program developed in the original MOU.

Recharge and recovery activities on the Kern Fan have been monitored by the Kern County Water Agency (KCWA) or Department of Water Resources (DWR) since the 1980's. Two triennial reports on the results of the Kern Fan monitoring were prepared by the KCWA and DWR: 1) in 1994 for 1991-1993 and 2) in 1997 for 1994-1996. It is intended that the Committee publish annual reports that include information on groundwater conditions, groundwater storage accounts, and water banking activities. This is the fifth of such reports. The first report, titled "1995 Kern Fan Operations Report," was published in July 1999. The second report, titled "2001 Kern Fan Area Groundwater Recovery Operations and Monitoring Program," was published in April 2005. The third report, titled "1996-2000 Kern Fan Area Operations and Monitoring Report," was published in September 2007. The fourth report, titled "2002-2004 Kern Fan Area Operations and Monitoring Report," was published in December 2009.

The data presented in the Kern Fan Area Operations and Monitoring Report are derived from multiple sources and are the best available at the time of publication and subject to change. The groundwater analyses presented are the interpretations of Ken Schmidt, Kenneth D. Schmidt and Associates, independent hydrogeologist to the Kern Fan Monitoring Committee, and other participants in the Kern Fan Monitoring Committee (for a full list of participants please see inside cover page) and are not intended to support, refute or replace any analyses by other parties. All supporting data and calculations used to prepare this report are available for public review through the Kern Fan Monitoring Committee.

MONITORING PROGRAM

The monitoring program involves measuring deliveries for recharge and recovery pumpage, measuring water levels in wells, sampling surface water to be recharged, and sampling wells to assess groundwater quality. The approximate monitoring area is shown on Plate 1-1. The Committee documents the operations and groundwater storage account balances of the bank participants and assesses impacts of the project. It also documents the activities of surrounding groundwater districts. Based on information obtained from this program, it is intended that the hydrologic impacts of the projects, including changes in groundwater levels and quality, can be determined.

WATER SUPPLY, RECHARGE AND USE FOR SURROUNDING LANDS

Table 1-1 summarizes water usage for non-project areas as described in Chapter 2 for the period from 2005-2006.

Table 1-1
Summary of Surrounding Areas
2005 through 2006 Cumulative Groundwater Replenishment and Pumping

District	Groundwater[1] Replenishment (Acre-Feet)	Estimated Groundwater Pumping (Acre-Feet)	Replenishment Less Pumping (Acre-Feet)
Buena Vista WSD [2]			
Buttonwillow Service Area	117,100	31,300	85,800
Maples Service Area	5,300	100	5,200
Henry Miller WD	26,900	0	26,900
Improvement District No. 4	319,100	171,000	148,100
Kern Delta WD			
Buena Vista Service Area	34,100	23,100	11,000
Rosedale-Rio Bravo WSD	374,200	181,900	192,300
Semitropic WSD			
South of 7th Standard Rd.	16,600	16,300	300
Non-District Areas			
Valley Communities Inc.	5,400	4,500	900
James-Pioneer (residual)	2,040	8,250	-6,210
Pioneer Property Agric.	0	0	0
Totals	**900,740**	**436,450**	**464,290**

Notes:

[1] Groundwater replenishment for each entity is the sum of intentional district recharge, canal losses, and water applied in excess of consumptive use. Does not include share of basin safe yield.

[2] Summary does not include recharge or extractions associated with the Buena Vista WSD/West Kern WD recharge and recovery facilities or banking within the City of Bakersfield 2800 Acre Recharge Facility by Buena Vista WSD, Olcese WD, or City of Bakersfield.

PROJECT OPERATIONS

During 2005-2006 there was extensive recharge with one month of recovery operations on the Kern Fan. A total of 1,476 gross acre-feet were recovered and 1,151,257 gross acre-feet were delivered to recharge facilities in the Kern Fan area. The deliveries for recharge and recovery by project are summarized in Table 1-2 below. Additional recharge and recovery data for projects within adjoining entities are included in Appendix H.

Table 1-2
Summaries of Deliveries
For
Recharge and Recovery by Project

All quantities in acre-feet

Project[1]	2005	2006	2005-2006 Total
Recharge[2]			
KWB	387,557	283,233	670,790
Pioneer	111,199	64,873	176,072
City of Bakersfield	123,410	47,136	170,546
West Kern/Buena Vista	28,854	13,048	41,902
Berrenda Mesa	34,896	26,229	61,125
Kern River Channel	29,997	825	30,822
Total	**707,141**	**424,692**	**1,151,257**
Recovery[3]			
KWB	0	0	0
Pioneer	1,476	0	1,476
City of Bakersfield	0	0	0
West Kern/Buena Vista	0	0	0
Berrenda Mesa	0	0	0
Kern River Channel	0	0	0
Total	**1,476**	**0**	**1,476**

Notes:
1) While West Kern/Buena Vista is listed as a project here, the documentation of their groundwater management activities is not included in Chapter 3 of this report because they are considered adjoining entities with respect to the MOU.
2) Recharge data (for KWB, Pioneer, COB, BM, and Kern River Channel) summarized from Table 3C-1, and Table 3C-7.
3) Recovery data (for KWB, Pioneer, COB, BM, and Kern River Channel) summarized from Table 3B-1.

Facilities used for recharge operations during 2005-2006 are depicted graphically in Plate 1-3. Cumulative groundwater account balances through the end of 2006 are shown in Table 1-3. The cumulative period begins in 1981 or when the particular project began operations and is more specifically addressed in Chapter 3.

Table 1-3
SUMMARY OF PARTICIPANTS'
CUMULATIVE GROUNDWATER ACCOUNTS THROUGH 2006
KERN ALLUVIAL FAN
Quantities adjusted for recovery and assigned losses
(All quantities in acre-feet)

Participant	Facility						
BANKING	Berrenda Mesa[1]	Pioneer[2]	COB* 2800 Acres[3]	Kern Water Bank[4]	Poso Creek	Kern River[5]	Total
Belridge WSD	13,967	67,284	17,103	0	0	1,304	99,658
Berrenda Mesa WD	84,959	60,137	22,084	0	0	3,022	170,202
Buena Vista WSD	0	19,498	0	0	0	0	15,998
Cawelo WD	0	0	8,451	0	0	0	8,451
Dudley Ridge WD	0	0	0	70,626	0	894	71,520
Henry Miller WD	0	21,593	0	0	0	0	21,593
Improvement District No. 4	0	57,342	65,443	167,202	0	301	290,288
KCWA	14,662	61,192	48,899	17,958	0	1,139	143,850
Kern Delta WD	0	23,711	0	0	0	946	24,657
Lost Hills WD	16,244	78,560	40,982	0	0	2,051	137,837
Rosedale-Rio Bravo WSD	0	43,704	0	0	0	7,056	54,260
Semitropic WSD	0	30,711	11,844	119,527	0	1,348	163,430
Tejon-Castac WD	0	1,347	1,241	27,124	0	29	29,741
Westside Mutual WC	0	0	0	571,676	0	459	572,135
Wheeler Ridge-Maricopa WSD	10,465	50,723	61,356	307,007	0	1,633	431,184
State of California	0	0	0	0	0	0	0
Total	140,297	515,802	277,403	1,281,120	0	20,182	2,234,804

OVERDRAFT CORRECTION	Berrenda Mesa[6]	Pioneer[7]	COB 2800 Acres[8]	Kern Water Bank[9]	Poso Creek	Kern River[10]	Total
Buena Vista WSD	0	11,925	0	0	0	160	19,085
Henry Miller WD	1,002	20,311	166	3,227	0	187	24,893
Improvement District No. 4	0	0	0	0	0	169	169
KCWA	0	23,833	7,121	12,553	0	7,664	51,171
Kern Delta WD	250	34,988	165	4,417	0	170	39,990
Rosedale-Rio Bravo WSD	0	88,094	2,556	41,567	0	563	125,780
Semitropic WSD	0	0	0	0	0	0	0
Total	1,252	179,151	10,008	61,764	0	8,913	261,088

* City of Bakersfield 2800 Acres (per KCWA agreement with COB, other COB contractors not included).

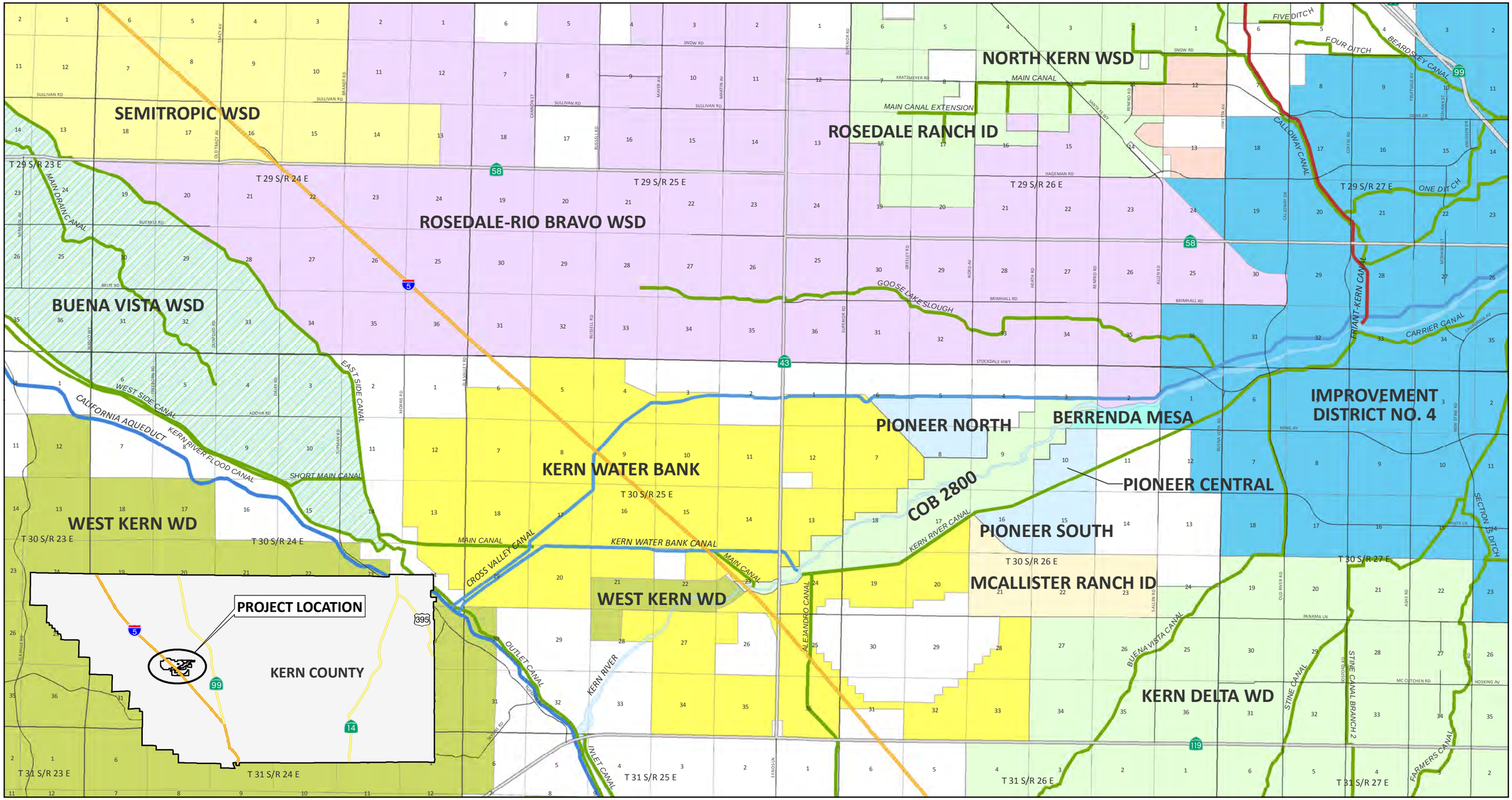
[1] Values taken from Tables 3D-1 to 3D-5
[2] Values taken from Tables 3D-25 to 3D-36
[3] Values taken from Tables 3D-37 to 3D-45
[4] Values taken from Tables 3D-18 to 3D-24
[5] Values taken from Tables 3D-6-3D-17
[6] Values taken from Tables 3E-1 to 3E-2
[7] Values taken from Tables 3E-13 to 3E-17
[8] Values taken from Tables 3E-18 to Table 3E-21
[9] Values taken from Tables 3E-9 to 3E-12
[10] Values taken from Tables 3E-3 to 3E-8

INTERPRETIVE STUDIES

Hydrographs are presented which show short-term and long-term trends in groundwater levels (Figures 4E-2 to 4E-25).

Generally, water levels in the Kern Fan area increased from 2005 to 2006. Well facilities are shown on Plate 3A-4. Spring groundwater levels are represented on contour maps in the form of groundwater elevation and depth to water level maps for 2006 and 2007 (Plates 4A-1 and 4A-2 and Plates 4B-1 and 4B-2). Also, included in Chapter 4 are groundwater level profiles perpendicular and parallel to the Kern River (Figures 4C-1 and 4C-2, respectively.) A spring groundwater change map is provided for the years spanning 2005 to 2007 (Plate 4D-1). Refer to the Chapter 4 text for more detailed analysis of groundwater levels.

Semi-annual groundwater quality monitoring as part of the Kern Fan Monitoring Committee Groundwater Quality Sampling Program was performed on the Kern Fan area in 2005-2006. Groundwater quality sampling was performed on monitoring wells located in the Kern Fan area. Plate 1-2 shows the wells sampled in 2005-2006. Refer to the Chapter 5 text for more detailed analysis of water quality.



KERN FAN GENERAL VICINITY

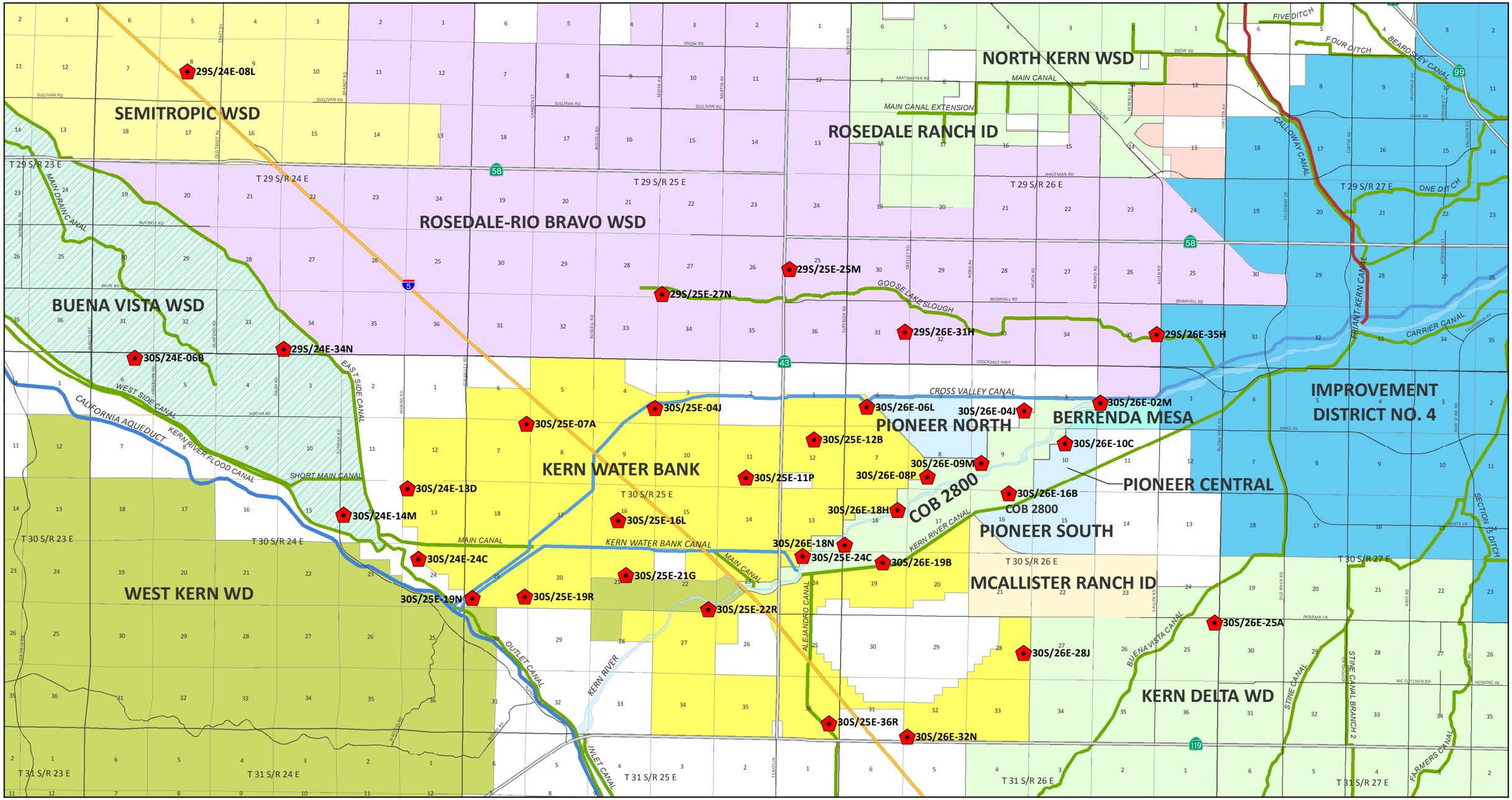
PLATE 1-1

Created: 2011-1010, S. CHAMBLESS
Filename: Plate 1-1 General Vicinity (11-1010).mxd

N

0 0.5 1 2 3 Miles

1 inch = 1.5 miles



KERN FAN MONITORING WELL LOCATIONS

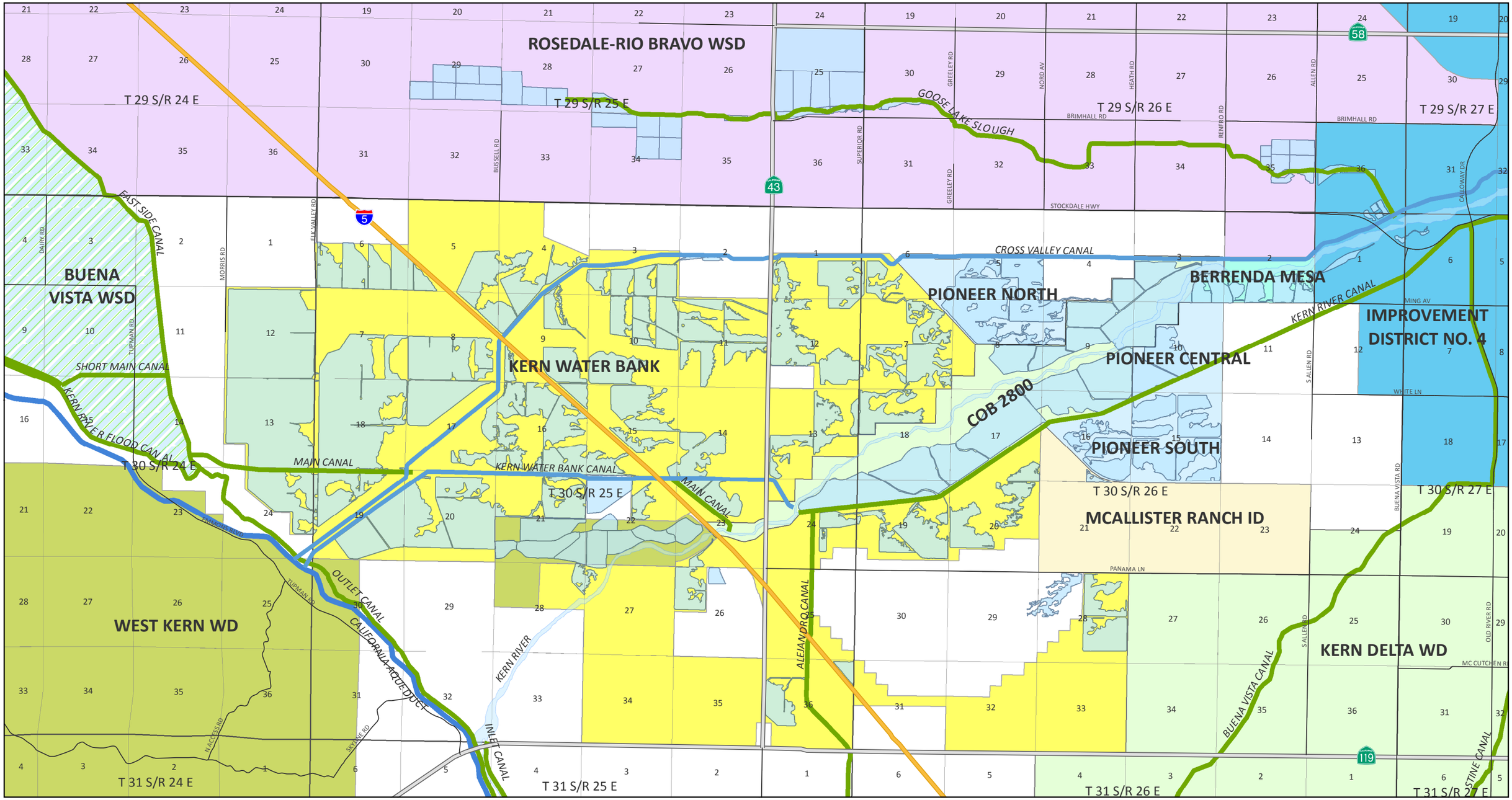
PLATE 1-2

N

0 0.5 1 2 3 Miles

1 inch = 1.5 miles

Created: 2010-1110, S. CHAMBLESS
Filename: Plate 1-2 Monitoring Well Locations.mxd



KERN FAN POND UTILIZATION MAP 2005-2006

PLATE 1-3

Created: 2010-1110, S. CHAMBLESS
Filename: Plate 1-3 Pond Utilization.mxd

N

0 0.25 0.5 1 1.5 2 Miles

1 inch = 1 miles

2. WATER SUPPLY, WATER USE, AND RECHARGE FOR SURROUNDING LANDS

Estimated water balance calculations for the years 2005 and 2006 have been prepared for the lands surrounding the Kern Fan banking project areas. These are set forth in Tables 2-1 through 2-10 and summarized in Table 2-11 for 2005, and in Tables 2-12 through 2-21 and summarized in Table 2-22 for 2006. The following district and non-district area and sub-areas are included:

Buena Vista Water Storage District
- Buttonwillow Service Area
- Maples Service Area

Henry Miller Water District

Improvement District No. 4

Kern Delta Water District
- Buena Vista Canal Service Area

Rosedale-Rio Bravo Water Storage District

Semitropic Water Storage District
- Portion South of 7th Standard Road

Non-District Lands
- City of Los Angeles (formerly VCI)
- Former James-Pioneer ID less Project Areas
- Pioneer Property

A brief description of the local surface water supply conditions for the years 2005 and 2006 is given below:

- Surface water supplies were above normal in 2005. The Kern River yielded 158 percent of its long-term mean runoff and the State Water Project provided a 90 percent entitlement allocation.
- Surface water supplies were above normal in 2006. The Kern River yielded 146 percent of its long-term mean runoff and the State Water Project provided a 100 percent entitlement allocation.

Each water balance analysis includes crop pattern data, consumptive use, applied water use, surface water diversions and deliveries, groundwater pumping, intentional recharge, and canal losses. The groundwater replenishment for each area is calculated by summing intentional recharge, canal seepage losses, and irrigation water applied in excess of crop consumptive use. The net impact of each area on the groundwater basin is estimated as groundwater replenishment less groundwater pumping. The source of data not otherwise identified in the tabulation was supplied by the pertinent district.

This information has been prepared to provide data to assist the Kern Fan Monitoring Committee and its consultant in evaluating the response of the groundwater basin, with respect to water levels and water quality, to the recharge and extraction of water by the Kern Fan banking projects. The tabulated data should be understood to be estimates and subject to refinement on an area by area basis for the following reasons:

- Long-term average crop consumptive use requirements from the 1983 Optimization Report have been utilized in this report, as were used in the previous reports, and are intended to be used in subsequent reports, for simplicity and to provide consistency between areas and from year to year. Actual consumptive use of irrigation water will vary from year to year depending on rainfall and temperatures.

- Values for crop water use included in the operations data for the district programs in Appendix H may not follow the 1983 Optimization Report process and instead may be consistent with the Groundwater Mediation process that utilized the ITRC (Cal Poly) method. Data included within Appendix H is intended for analysis independent of the information provided in the main body of this report.

- Net irrigated acreages of crops, irrigation efficiencies, surface water deliveries, canal seepage losses and amounts of intentional groundwater recharge are all measured, calculated or estimated with varying degrees of accuracy. Groundwater pumping has been in most cases estimated as the difference between estimated applied water requirements and estimated surface water deliveries.

- The 2005 and 2006 water balance analyses for each specific area are considered to be reasonable and complete by the District submitting such data for that physical area. In some instances, however, the area analyzed is only a portion of a district and does not reflect the water balance in the district as a whole. Districts may also have recharged water in one or more of the banking areas. This recharge is not reflected in their water balance since it took place outside their boundaries.

- None of the water balance calculations take into account subsurface inflow/outflow, evaporation, effective precipitation or the area's share of the basin safe yield.

- Since the surface water supplies available to each area varies from year to year, the estimated "replenishment less pumping" will also vary from year to year. To get the true picture of each area's water balance situation, it will be necessary to look at a period of years which approximates the long-term mean hydrology for its source(s) of surface water supply.

BUENA VISTA WATER STORAGE DISTRICT

BUTTONWILLOW SERVICE AREA

2005 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS (ACRES)	NET [2] (ACRES)	CONSUMPTIVE USE [3] (AF/ACRE)	CONSUMPTIVE USE [3] (AF)	APPLIED WATER [4] (AF/ACRE)	APPLIED WATER [4] (AF)
COTTON	25,730	25,730	2.6	66,900	3.5	90,100
ALFALFA	3,910	3,910	3.5	13,700	4.7	18,400
SUGAR BEETS	160	160	2.9	500	3.9	600
GRAIN	1,310	1,310	1.4	1,800	1.9	2,500
VEGETABLES	240	240	1.6	400	2.1	500
TREES (NUT & FRUIT)	680	680	2.5	1,700	3.3	2,200
CORN (SILAGE)	70	70	2.0	100	2.7	200
SUDAN	1,330	1,330	3.7	4,900	4.9	6,500
LESS DOUBLE CROPPED	-130	-130				
TOTAL	**33,300**	**33,300**	**2.7**	**90,000**	**3.6**	**121,000**

WATER MANAGEMENT (ACRE-FEET)

SURFACE WATER DIVERSIONS	121,800
SURFACE WATER DELIVERIES	97,300
CANAL LOSSES (SEEPAGE)	24,500
ESTIMATED GROUNDWATER PUMPING	**23,700**

GROUNDWATER REPLENISHMENT [5]

CANAL LOSSES	24,500
APPLIED WATER LESS CONSUMPTIVE USE	31,000
TOTAL	**55,500**
REPLENISHMENT LESS PUMPING	**31,800**

NOTES:

1 Crop pattern based on 2005 Buena Vista Surveys.

2 Net irrigated acreage estimated at 100 percent of gross acres.

3 Crop consumptive use requirements per Optimization Study.

4 Irrigation efficiency assumed to be 75 percent.

5 Subsurface inflow/outflow not considered.

BUENA VISTA WATER STORAGE DISTRICT

MAPLES SERVICE AREA

2005 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS ACRES	NET[2] ACRES	CONSUMPTIVE USE[3] AF/ACRE	CONSUMPTIVE USE[3] AF	APPLIED WATER[4] AF/ACRE	APPLIED WATER[4] AF
COTTON	1,220	1,220	2.6	3,200	3.5	4,300
ALFALFA	360	360	3.5	1,300	4.7	1,700
CORN (SILAGE)	800	800	2.0	1,600	2.7	2,200
SUDAN	590	590	3.7	2,200	4.9	2,900
GRAINS	130	130	1.4	200	1.9	200
LESS DOUBLE CROPPED	-590	-590				
TOTAL	**2,510**	**2,510**	**3.4**	**8,500**	**4.5**	**11,300**

WATER MANAGEMENT (ACRE-FEET)

SURFACE WATER DIVERSIONS	8,800
SURFACE WATER DELIVERIES	6,900
CANAL LOSSES (SEEPAGE)	1,900
ESTIMATED GROUNDWATER PUMPING	**4,400**

GROUNDWATER REPLENISHMENT[5]

CANAL LOSSES	1,900
APPLIED WATER LESS CONSUMPTIVE USE	2,800
TOTAL	**4,700**
REPLENISHMENT LESS PUMPING	**300**

Notes:

1. Crop pattern based on 2005 Buena Vista surveys.
2. Net irrigated acreage estimated at 100 percent of gross acres.
3. Crop consumptive use requirements per Optimization Study.
4. Irrigation efficiency assumed to be 75 percent.
5. Subsurface inflow/outflow not considered.

HENRY MILLER WATER DISTRICT

2005 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS (ACRES)	NET [2] (ACRES)	CONSUMPTIVE USE [3] (AF/ACRE)		APPLIED WATER [4] (AF/ACRE)	
COTTON	12,090	11,730	2.6	30,500	3.2	37,200
WHEAT	1,630	1,580	1.4	2,200	1.7	2,700
BEANS	120	120	1.6	200	2.0	200
ONIONS	1,130	1,100	1.6	1,800	2.0	2,100
TOMATOES	3,630	3,520	1.6	5,600	2.0	6,900
TOTAL	**18,600**	**18,050**	**2.2**	**40,300**	**2.7**	**49,100**

WATER MANAGEMENT (ACRE-FEET)

SURFACE WATER DELIVERIES	49,100
GROUNDWATER PUMPING	0
TOTAL IRRIGATION DELIVERIES	49,100
USE OF PERCHED WATER [5]	0
TOTAL UTILIZATION OF WATER	**49,100**

GROUNDWATER REPLENISHMENT [6]

GROUNDWATER RECHARGE (IN-DISTRICT) [7]	0
APPLIED WATER LESS CONSUMPTIVE USE	8,800
TOTAL	**8,800**
REPLENISHMENT LESS PUMPING	**8,800**

Notes:

1. Crop pattern based on 2005 Henry Miller survey.
2. Net irrigated acreage estimated at 97 percent of gross acres.
3. Crop consumptive use requirements per Optimization Study.
4. Applied water is estimated at 82 percent consumed based on District water delivery records.
5. Perched water is replenished by periodic storage of water in Buena Vista Lake Cells 1, 2, and 3.
6. Subsurface inflow/outflow not considered.
7. Groundwater recharge amount has not been reduced to reflect recharge losses such as evaporation.

IMPROVEMENT DISTRICT NO. 4

2005 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS (ACRES)	NET [2] (ACRES)	CONSUMPTIVE USE [3] (AF/ACRE)	CONSUMPTIVE USE [3] (AF)	APPLIED WATER [4] (AF/ACRE)	APPLIED WATER [4] (AF)
ALFALFA	1,800	1,710	3.5	6,000	4.7	8,000
PISTACHIO	10	10	3.2	0	4.3	0
CARROTS	0	0	1.6	0	2.1	0
CORN	600	570	2.0	1,100	2.7	1,500
COTTON	30	30	2.6	100	3.5	100
OAT HAY	0	0	1.4	0	1.9	0
PASTURE & GRASS	1,580	1,500	3.7	5,600	4.9	7,400
GRAINS	1,020	970	1.4	1,400	1.9	1,800
OTHER	10	10	1.6	0	2.1	0
TOTAL	**5,050**	**4,800**	**3.0**	**14,200**	**3.9**	**18,800**
M&I USES	53,000	50,350	1.8	90,600	2.2	108,800
UNDEVELOPED/IDLI	7,420					
TOTAL	**65,470**			**104,800**		**127,600**

WATER MANAGEMENT (ACRE-FEET)

CANAL WATER DELIVERIES TO AGRIC.	2,800
EFFLUENT WATER DELIVERIES TO AGRIC. [5]	15,900
REPORTED AGRIC. PUMPING	100
OTHER AGRIC. SOURCES	0
WATER TREATMENT PLANT DELIVERIES	26,200
REPORTED M&I PUMPING	82,600
TOTAL USE	**127,600**

GROUNDWATER REPLENISHMENT [6]

GROUNDWATER RECHARGE WITHIN ID NO. 4 [7]	105,300
RIVER AND CANAL LOSSES	49,700
APPLIED WATER LESS CONSUMPTIVE USE	22,800
TOTAL	**177,800**
REPLENISHMENT LESS PUMPING	**95,100**

Notes:

1. Crop pattern per 2005 Report on Water Conditions.
2. Net irrigated acreage estimated at 95 percent of gross acres.
3. Crop consumptive use requirements per Optimization Study.
4. Irrigation efficiency assumed to be 75 percent.
5. Included as portion of M&I consumptive use.
6. Subsurface inflow/outflow not considered.
7. Groundwater recharge amount has not been reduced to reflect recharge losses such as evaporation.

KERN DELTA WATER DISTRICT

BUENA VISTA CANAL SERVICE AREA

2005 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS ACRES	NET[2] ACRES	CONSUMPTIVE USE[3] AF/ACRE	CONSUMPTIVE USE[3] AF	APPLIED WATER[4] AF/ACRE	APPLIED WATER[4] AF
COTTON	2,910	2,760	2.6	7,200	3.5	9,700
ALFALFA	3,230	3,070	3.5	10,700	4.7	14,400
CORN	2,070	1,970	2.0	3,900	2.7	5,300
GRAIN	2,620	2,490	1.4	3,500	1.9	4,700
GRASSES	150	140	3.7	500	4.9	700
DAIRY	760	720	2.0	1,400	2.7	1,900
M&I USES	500	480	1.2	600	2.2	1,100
TOTAL	**12,240**	**11,630**	**2.4**	**27,800**	**3.3**	**37,800**

WATER MANAGEMENT (ACRE-FEET)

SURFACE WATER DIVERSIONS	30,500
SURFACE WATER DELIVERIES[5]	22,800
CANAL LOSSES (SEEPAGE)	7,700
ESTIMATED GROUNDWATER PUMPING	**15,000**

GROUNDWATER REPLENISHMENT[6]

CANAL LOSSES	7,700
APPLIED WATER LESS CONSUMPTIVE USE	10,000
TOTAL	**17,700**
REPLENISHMENT LESS PUMPING	**2,700**

Notes:

1. Crop pattern from on Kern County Agriculture Dept. website.
2. Net irrigated acreage estimated at 95 percent of gross acres.
3. Crop consumptive use requirements per Optimization Study.
4. Irrigation efficiency assumed to be 75 percent.
5. Surface deliveries include estimated deliveries to sewer farm land in KDWD.
6. Subsurface inflow/outflow not considered.

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

2005 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS ACRES	NET[2] ACRES	CONSUMPTIVE USE[3] AF/ACRE	CONSUMPTIVE USE[3] AF	APPLIED WATER[4] AF/ACRE	APPLIED WATER[4] AF
COTTON	4,450	4,230	2.6	11,000	3.5	14,800
ALFALFA	6,600	6,270	3.5	21,900	4.7	29,500
MISC. TREES[5]	8,490	8,070	2.5	20,200	3.3	26,600
GRAPES	560	530	2.3	1,200	3.1	1,600
CORN (FIELD AND SWEE	2,170	2,060	2.0	4,100	2.7	5,600
GRAINS[6]	3,210	3,050	1.4	4,300	1.9	5,800
VEGETABLES[7]	1,860	1,770	1.6	2,800	2.1	3,700
PASTURE/GRASS	60	60	3.7	200	4.9	300
TOTAL	**27,400**	**26,040**	**2.5**	**65,700**	**3.4**	**87,900**
M&I USES	7,290	6,930	1.2	8,300	2.2	15,200
TOTAL	**34,690**	**32,970**	**2.2**	**74,000**	**3.1**	**103,100**

WATER MANAGEMENT (ACRE-FEET)

SURFACE WATER DELIVERIES	13,800
ESTIMATED GROUNDWATER PUMPING	89,300
TOTAL USE	**103,100**

GROUNDWATER REPLENISHMENT[8]

RECHARGE BASINS[9]	180,800
APPLIED WATER LESS CONSUMPTIVE USE	29,100
TOTAL	**209,900**
REPLENISHMENT LESS PUMPING	**120,600**

Notes:

1. Crop pattern based on 2005 District survey.
2. Net irrigated acreage estimated to be 95 percent of assessed acres.
3. Crop consumptive use requirements per Optimization Study.
4. Irrigation efficiency assumed to be 75 percent.
5. Includes almonds, pistachios, and misc. deciduous and sub-tropical fruits.
6. Includes wheat.
7. Includes potatoes, carrots, sugar beets, beans, tomatoes and garlic.
8. Subsurface inflow/outflow not considered.
9. Groundwater recharge amount has not been reduced to reflect recharge losses such as evaporation.

SEMITROPIC WATER STORAGE DISTRICT

PORTION LOCATED SOUTH OF SEVENTH STANDARD ROAD

2005 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP [1]	GROSS ACRES	NET [2] ACRES	CONSUMPTIVE USE [3] AF/ACRE	CONSUMPTIVE USE [3] AF	APPLIED WATER [4] AF/ACRE	APPLIED WATER [4] AF
COTTON	2,510	2,460	2.6	6,400	3.5	8,600
ALFALFA	2,010	1,970	3.5	6,900	4.7	9,300
ALMONDS	690	680	2.5	1,700	3.3	2,200
PISTACHIOS	1,040	1,020	3.2	3,300	4.3	4,400
GRAPES	20	20	2.3	0	3.1	100
TOMATOES	300	290	1.6	500	2.1	600
CARROTS	80	80	1.6	100	2.1	200
CORN	820	800	2.0	1,600	2.7	2,200
SUGAR BEETS	460	450	2.9	1,300	3.9	1,800
GRAIN	510	500	1.4	700	1.9	1,000
PASTURE	40	40	3.7	100	4.9	200
TOTAL	**8,480**	**8,310**	**2.7**	**22,600**	**3.7**	**30,600**
RES/COMMERCIAL	370	360	1.2	400	2.2	800
IDLE CROP LAND	500					
NON-AGRIC., ETC.	690					
NATIVE VEGETATION	2,180					
TOTAL	**12,220**			**23,000**		**31,400**

WATER MANAGEMENT (ACRE-FEET)

ESTIMATED SURFACE WATER DELIVERIES	22,800
ESTIMATED GROUNDWATER PUMPING	8,600
TOTAL	**31,400**

GROUNDWATER REPLENISHMENT [5]

APPLIED WATER LESS CONSUMPTIVE USE	8,400
REPLENISHMENT LESS PUMPING	**-200**

Notes:

1. Crop pattern based on 2005 Semitropic surveys.
2. Net irrigated acreage estimated at 98 percent of gross acres.
3. Crop consumptive use requirements per Optimization Study.
4. Irrigation efficiency assumed to be 75 percent.
5. Subsurface inflow/outflow not considered.

NON-DISTRICT LANDS

CITY OF LOS ANGELES (FORMERLY VCI)

2005 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS ACRES	NET[2] ACRES	CONSUMPTIVE USE[3] AF/ACRE	CONSUMPTIVE USE[3] AF	APPLIED WATER[4] AF/ACRE	APPLIED WATER[4] AF
ALFALFA	370	350	3.5	1,200	4.7	1,600
COTTON	0	0	2.6	0	3.5	0
SUDAN	750	710	3.7	2,600	4.9	3,500
CORN	580	550	2.0	1,100	2.7	1,500
MILO	600	570	1.8	1,000	2.4	1,400
GRAIN	1,950	1,850	1.4	2,600	1.9	3,500
PASTURE	0	0	3.7	0	4.9	0
LESS DOUBLE CROPPED	-1,400	-1,330				
TOTAL	**2,850**	**2,700**	**3.1**	**8,500**	**4.3**	**11,500**

WATER MANAGEMENT (ACRE-FEET)

EFFLUENT DELIVERIES[6]	7,900
ESTIMATED GROUNDWATER PUMPING	3,600
TOTAL	**11,500**

GROUNDWATER REPLENISHMENT[7]

APPLIED WATER LESS CONSUMPTIVE USE	3,000
REPLENISHMENT LESS PUMPING	**-600**

Notes:

1. Crop pattern for 2005 per information from Kern County Agriculture Dept. website.
2. Gross acres for sewer farm property located outside of Kern Delta only.
3. Net irrigated acreage estimated at 95 percent of gross acres.
4. Crop consumptive use requirements per Optimization Study.
5. Irrigation efficiency assumed to be 75 percent.
6. Effluent deliveries per City of Bakersfield files less estimated deliveries to land within Kern Delta.
7. Subsurface inflow/outflow not considered.

NON-DISTRICT LANDS

FORMER JAMES-PIONEER ID LESS PROJECT AREAS [1]

2005 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[2]	GROSS ACRES	NET[3] ACRES	CONSUMPTIVE USE[4] AF/ACRE	CONSUMPTIVE USE[4] AF	APPLIED WATER[5] AF/ACRE	APPLIED WATER[5] AF
COTTON	1,640	1,558	2.6	4,100	3.5	5,500
ALFALFA	940	893	3.5	3,100	4.7	4,200
GRAIN	970	922	1.4	1,300	1.9	1,800
VEGETABLES	3,310	3,145	1.6	5,000	2.1	6,600
MISC. TREES[6]	360	340	2.5	900	3.3	1,100
GRAPES	150	140	2.3	300	3.1	400
SORGHUM GRAIN	70	70	1.8	100	2.4	200
CORN	390	371	2.0	700	2.7	1,000
TOTALS	7,830	7,439	2.1	15,500	2.8	20,800
FALLOW	14,840					
TOTALS	**22,670**			**15,500**		**20,800**

WATER MANAGEMENT (ACRE-FEET)

SURFACE WATER DELIVERIES	0
ESTIMATED GROUNDWATER PUMPING	20,800
TOTALS	**20,800**

GROUNDWATER REPLENISHMENT[7]

APPLIED WATER LESS CONSUMPTIVE USE	5,300
REPLENISHMENT LESS PUMPING	**-15,500**

Notes:

1. Project areas excluded include KWB, Pioneer Property, and VCI Property.
2. Crop pattern for 2005 based on data from Kern County Agriculture Dept. website.
3. Net irrigated acreage estimated at 95 percent of gross acres.
4. Crop consumptive use requirements per Optimization Study.
5. Irrigation efficiency assumed to be 75 percent.
6. Includes almonds and walnuts.
7. Subsurface inflow/outflow not considered.

NON-DISTRICT LANDS

PIONEER PROPERTY

2005 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS ACRES	NET ACRES	CONSUMPTIVE USE AF/ACRE	CONSUMPTIVE USE AF	APPLIED WATER AF/ACRE	APPLIED WATER AF
COTTON		0	2.6	0	3.5	0
ALFALFA		0	3.5	0	4.7	0
GRAIN		0	1.4	0	1.9	0
VEGETABLES		0	1.6	0	2.1	0
TOTALS	**0**	**0**		**0**		**0**
FALLOW	**2,270**					
TOTALS	**2,270**			**0**		**0**

WATER MANAGEMENT (ACRE FEET)

SURFACE WATER DELIVERIES	0
ESTIMATED GROUNDWATER PUMPING	0
TOTALS	**0**

GROUNDWATER REPLENISHMENT

APPLIED WATER LESS CONSUMPTIVE USE	0
REPLENISHMENT LESS PUMPING	**0**

Notes:

[1] No irrigated agriculture occurred on the Pioneer Property in 2005.

2005 SUMMARY OF SURROUNDING AREAS

GROUNDWATER REPLENISHMENT AND PUMPING

DISTRICT	GROSS AREA (ACRES)	GROUNDWATER [1] REPLENISHMENT (ACRE-FEET)	GROUNDWATER PUMPING (ACRE-FEET)	REPLENISHMENT LESS PUMPING (ACRE-FEET)
BUENA VISTA WSD [2]				
BUTTONWILLOW SERVICE AREA	33,300	55,500	23,700	31,800
MAPLES SERVICE AREA	2,510	4,700	4,400	300
HENRY MILLER WD	18,600	8,800	0	8,800
IMPROVEMENT DISTRICT NO. 4	65,470	177,800	82,700	95,100
KERN DELTA WD				
BUENA VISTA SERVICE AREA	12,240	17,700	15,000	2,700
ROSEDALE-RIO BRAVO WSD	34,690	209,900	89,300	120,600
SEMITROPIC WSD				
SOUTH OF 7TH STANDARD RD.	12,220	8,400	8,600	-200
NON-DISTRICT AREAS				
VALLEY COMMUNITIES INC.	2,850	3,000	3,600	-600
JAMES-PIONEER (RESIDUAL)	22,670	5,300	20,800	-15,500
PIONEER PROPERTY AGRIC.	2,270	0	0	0
TOTALS	**206,820**	**491,100**	**248,100**	**243,000**

Notes:

1 Groundwater replenishment for each entity is the sum of intentional recharge, canal losses, and water applied in excess of consumptive use. Does not include share of basin safe yield.

2 Summary does not include recharge or extractions associated with the Buena Vista WSD/West Kern WD recharge and recovery facilities or banking within the City of Bakersfield 2800 Acre Recharge Facility by Buena Vista WSD, Olcese WD, or City of Bakersfield.

BUENA VISTA WATER STORAGE DISTRICT

BUTTONWILLOW SERVICE AREA

2006 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP [1]	GROSS ACRES	NET [2] ACRES	CONSUMPTIVE USE [3] AF/ACRE	CONSUMPTIVE USE [3] AF	APPLIED WATER [4] AF/ACRE	APPLIED WATER [4] AF
COTTON	22,440	22,440	2.6	58,300	3.5	78,500
ALFALFA	4,580	4,580	3.5	16,000	4.7	21,500
SUGAR BEETS	510	510	2.9	1,500	3.9	2,000
GRAIN	1,750	1,750	1.4	2,500	1.9	3,300
VEGETABLES	410	410	1.6	700	2.1	900
TREES (NUT & FRUIT)	1,030	1,030	2.5	2,600	3.3	3,400
CORN	190	190	2.0	400	2.7	500
SAFFLOWER	100	100	1.8	200	2.4	200
SUDAN	2,370	2,370	3.7	8,800	4.9	11,600
LESS DOUBLE CROPPED	-160	-160				
TOTAL	**33,220**	**33,220**	**2.7**	**91,000**	**3.7**	**121,900**

WATER MANAGEMENT (ACRE-FEET)

SURFACE WATER DIVERSIONS	145,000
SURFACE WATER DELIVERIES	114,300
CANAL LOSSES (SEEPAGE)	30,700
ESTIMATED GROUNDWATER PUMPING	**7,600**

GROUNDWATER REPLENISHMENT [5]

CANAL LOSSES	30,700
APPLIED WATER LESS CONSUMPTIVE USE	30,900
TOTAL	**61,600**
REPLENISHMENT LESS PUMPING	**54,000**

Notes:

1. Crop pattern based on 2006 Buena Vista surveys.
2. Net irrigated acreage estimated at 100 percent of gross acres.
3. Crop consumptive use requirements per Optimization Study.
4. Irrigation efficiency assumed to be 75 percent.
5. Subsurface inflow/outflow not considered.

BUENA VISTA WATER STORAGE DISTRICT

MAPLES SERVICE AREA

2006 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS ACRES	NET[2] ACRES	CONSUMPTIVE USE[3] AF/ACRE	CONSUMPTIVE USE[3] AF	APPLIED WATER[4] AF/ACRE	APPLIED WATER[4] AF
COTTON	1,290	1,290	2.6	3,400	3.5	4,500
ALFALFA	250	250	3.5	900	4.7	1,200
CORN (SILAGE)	630	630	2.0	1,300	2.7	1,700
MILO	830	830	1.8	1,500	2.4	2,000
LESS DOUBLE CROPPED	-550	-550				
TOTAL	**2,450**	**2,450**	**2.9**	**7,100**	**3.8**	**9,400**

WATER MANAGEMENT (ACRE-FEET)

SURFACE WATER DIVERSIONS	13,000
SURFACE WATER DELIVERIES	10,400
CANAL LOSSES (SEEPAGE)	2,600
ESTIMATED GROUNDWATER PUMPING	**0**

GROUNDWATER REPLENISHMENT[5]

CANAL LOSSES	2,600
APPLIED WATER LESS CONSUMPTIVE USE	2,300
TOTAL	**4,900**
REPLENISHMENT LESS PUMPING	**4,900**

Notes:

1. Crop pattern based on 2006 Buena Vista surveys.
2. Net irrigated acreage estimated at 100 percent of gross acres.
3. Crop consumptive use requirements per Optimization Study.
4. Irrigation efficiency assumed to be 75 percent.
5. Subsurface inflow/outflow not considered.

HENRY MILLER WATER DISTRICT

2006 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS ACRES	NET[2] ACRES	CONSUMPTIVE USE[3] AF/ACRE	CONSUMPTIVE USE[3] AF	APPLIED WATER[4] AF/ACRE	APPLIED WATER[4] AF
COTTON	13,070	12,680	2.6	33,000	2.9	37,100
WHEAT	720	700	1.4	1,000	1.6	1,100
BEANS	1,150	1,120	1.6	1,800	1.8	2,000
ONIONS	1,020	990	1.6	1,600	1.8	1,800
TOMATOES	3,610	3,500	1.6	5,600	1.8	6,300
TOTALS	**19,570**	**18,990**	**2.3**	**43,000**	**2.5**	**48,300**

WATER MANAGEMENT (ACRE-FEET)

SURFACE WATER DELIVERIES	48,300
GROUNDWATER PUMPING	0
TOTAL IRRIGATION DELIVERIES	48,300
USE OF PERCHED WATER[5]	0
TOTAL UTILIZATION OF WATER	**48,300**

GROUNDWATER REPLENISHMENT[6]

GROUNDWATER RECHARGE (IN-DISTRICT)[7]	12,800
APPLIED WATER LESS CONSUMPTIVE USE	5,300
TOTAL	**18,100**
REPLENISHMENT LESS PUMPING	**18,100**

Notes:

1. Crop pattern based on 2006 Henry Miller survey.
2. Net irrigated acreage estimated at 97 percent of gross acres.
3. Crop consumptive use requirements per Optimization Study.
4. Applied water is estimated at 89 percent consumed based on District water delivery records.
5. Perched water is replenished by periodic storage of water in Buena Vista Lake Cells 1, 2, and 3.
6. Subsurface inflow/outflow not considered.
7. Groundwater recharge amount has not been reduced to reflect recharge losses such as evaporation.

IMPROVEMENT DISTRICT NO. 4

2006 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS (ACRES)	NET[2] (ACRES)	CONSUMPTIVE USE[3] (AF/ACRE)	CONSUMPTIVE USE[3] (AF)	APPLIED WATER[4] (AF/ACRE)	APPLIED WATER[4] (AF)
ALFALFA	1,800	1,710	3.5	6,000	4.7	8,000
PISTACHIO	10	10	3.2	0	4.3	0
CARROTS	0	0	1.6	0	2.1	0
CORN	670	640	2.0	1,300	2.7	1,700
COTTON	30	30	2.6	100	3.5	100
OAT HAY	80	80	1.4	100	1.9	200
PASTURE & GRASS	1,580	1,500	3.7	5,600	4.9	7,400
GRAINS	1,680	1,600	1.4	2,200	1.9	3,000
OTHER	0	0	1.6	0	2.1	0
TOTAL	**5,850**	**5,570**	**2.7**	**15,300**	**3.7**	**20,400**
M&I USES	53,000	50,350	1.8	90,600	2.3	113,300
UNDEVELOPED/IDLE	6,620					
TOTAL	**65,470**			**105,900**		**133,700**

WATER MANAGEMENT (ACRE-FEET)

CANAL WATER DELIVERIES TO AGRIC.	2,500
EFFLUENT WATER DELIVERIES TO AGRIC.[5]	17,700
REPORTED AGRIC. PUMPING	200
OTHER AGRIC. SOURCES	0
WATER TREATMENT PLANT DELIVERIES	25,200
REPORTED M&I PUMPING	88,100
TOTAL USE	**133,700**

GROUNDWATER REPLENISHMENT[6]

GROUNDWATER RECHARGE WITHIN ID NO. 4[7]	107,900
RIVER AND CANAL LOSSES	5,600
APPLIED WATER LESS CONSUMPTIVE USE	27,800
TOTAL	**141,300**
REPLENISHMENT LESS PUMPING	**53,000**

Notes:

1. Crop pattern per 2006 Report on Water Conditions.
2. Net irrigated acreage estimated at 95 percent of gross acres.
3. Crop consumptive use requirements per Optimization Study.
4. Irrigation efficiency assumed to be 75 percent.
5. Included as portion of M&I consumptive use.
6. Subsurface inflow/outflow not considered.
7. Groundwater recharge amount has not been reduced to reflect recharge losses such as evaporation.

KERN DELTA WATER DISTRICT

BUENA VISTA CANAL SERVICE AREA

2006 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS ACRES	NET[2] ACRES	CONSUMPTIVE USE[3] AF/ACRE	CONSUMPTIVE USE[3] AF	APPLIED WATER[4] AF/ACRE	APPLIED WATER[4] AF
COTTON	2,090	1,990	2.6	5,200	3.5	7,000
ALFALFA	2,740	2,600	3.5	9,100	4.7	12,200
CORN	1,350	1,280	2.0	2,600	2.7	3,500
GRAIN	3,870	3,680	1.4	5,200	1.9	7,000
GRASSES	70	70	3.7	300	4.9	300
DAIRY	750	710	2.0	1,400	2.7	1,900
M&I USES	570	540	1.2	600	2.2	1,200
TOTAL	**11,440**	**10,870**	**2.2**	**24,400**	**3.0**	**33,100**

WATER MANAGEMENT (ACRE-FEET)

SURFACE WATER DIVERSIONS	32,700
SURFACE WATER DELIVERIES[5]	25,000
CANAL LOSSES (SEEPAGE)	6,500
ESTIMATED GROUNDWATER PUMPING	**8,100**

GROUNDWATER REPLENISHMENT[6]

CANAL LOSSES	6,500
APPLIED WATER LESS CONSUMPTIVE USE	8,700
TOTAL	**15,200**
REPLENISHMENT LESS PUMPING	**7,100**

Notes:

1. Crop pattern from on Kern County Agriculture Dept. website.
2. Net irrigated acreage estimated at 95 percent of gross acres.
3. Crop consumptive use requirements per Optimization Study.
4. Irrigation efficiency assumed to be 75 percent.
5. Surface deliveries include estimated deliveries to sewer farm land in KDWD.
6. Subsurface inflow/outflow not considered.

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

2006 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS ACRES	NET[2] ACRES	CONSUMPTIVE USE[3] AF/ACRE	CONSUMPTIVE USE[3] AF	APPLIED WATER[4] AF/ACRE	APPLIED WATER[4] AF
COTTON	2,900	2,760	2.6	7,200	3.5	9,700
ALFALFA	7,280	6,920	3.5	24,200	4.7	32,500
MISC. TREES[5]	9,300	8,840	2.5	22,100	3.3	29,200
GRAPES	310	290	2.3	700	3.1	900
CORN (FIELD AND SWEE	1,720	1,630	2.0	3,300	2.7	4,400
GRAINS[6]	3,810	3,620	1.4	5,100	1.9	6,900
VEGETABLES[7]	1,890	1,800	1.6	2,900	2.1	3,800
PASTURE/GRASS	70	70	3.7	300	4.9	300
TOTAL	**27,280**	**25,930**	**2.5**	**65,800**	**3.4**	**87,700**
M&I USES	7,420	7,050	1.2	8,500	2.2	15,500
TOTAL	**34,700**	**32,980**	**2.3**	**74,300**	**3.1**	**103,200**

WATER MANAGEMENT (ACRE-FEET)

SURFACE WATER DELIVERIES	10,600
ESTIMATED GROUNDWATER PUMPING	92,600
TOTAL USE	**103,200**

GROUNDWATER REPLENISHMENT[8]

RECHARGE BASINS[9]	135,400
APPLIED WATER LESS CONSUMPTIVE USE	28,900
TOTAL	**164,300**
REPLENISHMENT LESS PUMPING	**71,700**

Notes:

1. Crop pattern based on 2006 District survey.
2. Net irrigated acreage estimated to be 95 percent of assessed acres.
3. Crop consumptive use requirements per Optimization Study.
4. Irrigation efficiency assumed to be 75 percent.
5. Includes almonds, pistachios, and misc. deciduous and sub-tropical fruits.
6. Includes wheat.
7. Includes potatoes, carrots, sugar beets, beans, tomatoes and garlic.
8. Subsurface inflow/outflow not considered.
9. Groundwater recharge amount has not been reduced to reflect recharge losses such as evaporation.

SEMITROPIC WATER STORAGE DISTRICT

PORTION LOCATED SOUTH OF SEVENTH STANDARD ROAD

2006 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP [1]	GROSS ACRES	NET [2] ACRES	CONSUMPTIVE USE [3] AF/ACRE	CONSUMPTIVE USE [3] AF	APPLIED WATER [4] AF/ACRE	APPLIED WATER [4] AF
COTTON	1,960	1,920	2.6	5,000	3.5	6,700
ALFALFA	2,230	2,190	3.5	7,700	4.7	10,300
ALMONDS	1,360	1,330	2.5	3,300	3.3	4,400
PISTACHIOS	1,010	990	3.2	3,200	4.3	4,300
GRAPES	20	20	2.3	0	3.1	100
TOMATOES	140	140	1.6	200	2.1	300
CORN	1,050	1,030	2.0	2,100	2.7	2,800
VEGETABLES	630	620	1.6	1,000	2.1	1,300
GRAIN	390	380	1.4	500	1.9	700
PASTURE	30	30	3.7	100	4.9	100
TOTAL	**8,820**	**8,650**	**2.7**	**23,100**	**3.6**	**31,000**
RES/COMMERCIAL	390	380	1.2	500	2.2	800
IDLE CROP LAND	320					
NON-AGRIC., ETC.	270					
NATIVE VEGETATION	2,050					
TOTAL	**11,850**			**23,600**		**31,800**

WATER MANAGEMENT (ACRE-FEET)

ESTIMATED SURFACE WATER DELIVERIES	24,100
ESTIMATED GROUNDWATER PUMPING	7,700
TOTAL USE	**31,800**

GROUNDWATER REPLENISHMENT [5]

APPLIED WATER LESS CONSUMPTIVE USE	8,200
REPLENISHMENT LESS PUMPING	**500**

Notes:

1. Crop pattern based on 2006 Semitropic surveys.
2. Net irrigated acreage estimated at 98 percent of gross acres.
3. Crop consumptive use requirements per Optimization Study.
4. Irrigation efficiency assumed to be 75 percent.
5. Subsurface inflow/outflow not considered.

NON-DISTRICT LANDS

CITY OF LOS ANGELES (FORMERLY VCI)

2006 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[1]	GROSS ACRES	NET[2] ACRES	CONSUMPTIVE USE[3] AF/ACRE	CONSUMPTIVE USE[3] AF	APPLIED WATER[4] AF/ACRE	APPLIED WATER[4] AF
ALFALFA	370	350	3.5	1,200	4.7	1,600
COTTON	0	0	2.6	0	3.5	0
SUDAN	310	290	3.7	1,100	4.9	1,400
CORN	600	570	2.0	1,100	2.7	1,500
MILO	140	130	1.8	200	2.4	300
GRAIN	2,530	2,400	1.4	3,400	1.9	4,600
PASTURE	0	0	3.7	0	4.9	0
LESS DOUBLE CROPPED	-1,040	-990				
TOTALS	**2,910**	**2,750**	**2.5**	**7,000**	**3.4**	**9,400**

WATER MANAGEMENT (ACRE-FEET)

EFFLUENT DELIVERIES[6]	8,500
ESTIMATED GROUNDWATER PUMPING	900
TOTALS	**9,400**

GROUNDWATER REPLENISHMENT[7]

APPLIED WATER LESS CONSUMPTIVE USE	2,400
REPLENISHMENT LESS PUMPING	**1,500**

Notes:

1. Crop pattern for 2006 per information from Kern County Agriculture Dept. website.
2. Gross acres for sewer farm property located outside of Kern Delta only.
3. Net irrigated acreage estimated at 95 percent of gross acres.
4. Crop consumptive use requirements per Optimization Study.
5. Irrigation efficiency assumed to be 75 percent.
6. Effluent deliveries per City of Bakersfield files less estimated deliveries to land within Kern Delta.
7. Subsurface inflow/outflow not considered.

NON-DISTRICT LANDS

FORMER JAMES-PIONEER ID LESS PROJECT AREAS [1]

2006 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP[2]	GROSS ACRES	NET[3] ACRES	CONSUMPTIVE USE[4] AF/ACRE	CONSUMPTIVE USE[4] AF	APPLIED WATER[5] AF/ACRE	APPLIED WATER[5] AF
COTTON	750	713	2.6	1,900	3.5	2,500
ALFALFA	1,240	1,178	3.5	4,100	4.7	5,500
GRAIN	1,040	988	1.4	1,400	1.9	1,900
VEGETABLES	2,840	2,698	1.6	4,300	2.1	5,700
MISC. TREES[6]	290	280	2.5	700	3.3	900
GRAPES	150	140	2.3	300	3.1	400
SORGHUM GRAIN	400	380	1.8	700	2.4	900
CORN	60	57	2.0	100	2.7	200
TOTALS	**6,770**	**6,434**	**2.1**	**13,500**	**2.8**	**18,000**
FALLOW	15,900					
TOTALS	**22,670**			**13,500**		**18,000**

WATER MANAGEMENT (ACRE-FEET)

SURFACE WATER DELIVERIES	0
ESTIMATED GROUNDWATER PUMPING	18,000
TOTALS	**18,000**

GROUNDWATER REPLENISHMENT[7]

APPLIED WATER LESS CONSUMPTIVE USE	4,500
REPLENISHMENT LESS PUMPING	**-13,500**

Notes:

1. Project areas excluded include KWB, Pioneer Property, and VCI Property.
2. Crop pattern for 2005 based on data from Kern County Agriculture Dept. website.
3. Net irrigated acreage estimated at 95 percent of gross acres.
4. Crop consumptive use requirements per Optimization Study.
5. Irrigation efficiency assumed to be 75 percent.
6. Includes almonds and walnuts.
7. Subsurface inflow/outflow not considered.

NON-DISTRICT LANDS

PIONEER PROPERTY

2006 CROPPING PATTERN AND ESTIMATED WATER REQUIREMENTS

CROP [1]	GROSS ACRES	NET [2] ACRES	CONSUMPTIVE USE [3] AF/ACRE	CONSUMPTIVE USE [3] AF	APPLIED WATER [4] AF/ACRE	APPLIED WATER [4] AF
COTTON	0	0	2.6	0	3.5	0
ALFALFA	0	0	3.5	0	4.7	0
GRAIN	0	0	1.4	0	1.9	0
VEGETABLES	0	0	1.6	0	2.6	0
TOTALS	**0**	**0**	**1.7**	**0**	**2.6**	**0**
FALLOW	2,270					
TOTALS	**2,270**			**0**		**0**

WATER MANAGEMENT (ACRE FEET)

SURFACE WATER DELIVERIES	0
ESTIMATED GROUNDWATER PUMPING	0
TOTALS	0

GROUNDWATER REPLENISHMENT [5]

APPLIED WATER LESS CONSUMPTIVE USE	0
REPLENISHMENT LESS PUMPING	**0**

Notes:

[1] No irrigated agriculture occurred on the Pioneer Property in 2006.

61%

2006 SUMMARY OF SURROUNDING AREAS

GROUNDWATER REPLENISHMENT AND PUMPING

DISTRICT	GROSS AREA (ACRES)	GROUNDWATER [1] REPLENISHMENT (ACRE-FEET)	GROUNDWATER PUMPING (ACRE-FEET)	REPLENISHMENT LESS PUMPING (ACRE-FEET)
BUENA VISTA WSD [2]				
BUTTONWILLOW SERVICE AREA	33,220	61,600	7,600	54,000
MAPLES SERVICE AREA	2,450	4,900	0	4,900
HENRY MILLER WD	19,570	18,100	0	18,100
IMPROVEMENT DISTRICT NO. 4	65,470	141,300	88,300	53,000
KERN DELTA WD				
BUENA VISTA SERVICE AREA	11,440	15,200	8,100	7,100
ROSEDALE-RIO BRAVO WSD	34,700	164,300	92,600	71,700
SEMITROPIC WSD				
SOUTH OF 7TH STANDARD RD.	11,850	8,200	7,700	500
NON-DISTRICT AREAS				
VALLEY COMMUNITIES INC.	2,910	2,400	900	1,500
JAMES-PIONEER (RESIDUAL)	22,670	4,500	18,000	-13,500
PIONEER PROPERTY AGRIC.	2,270	0	0	0
TOTALS	**206,550**	**420,500**	**223,200**	**197,300**

Notes:

[1] Groundwater replenishment for each entity is the sum of intentional recharge, canal losses, and water applied in excess of consumptive use. Does not include share of basin safe yield.

[2] Summary does not include recharge or extractions associated with the Buena Vista WSD/West Kern WD recharge and recovery facilities or banking within the City of Bakersfield 2800 Acre Recharge Facility by Buena Vista WSD, Olcese WD, or City of Bakersfield.

Chapter 3
PROJECT OPERATIONS

The 2005 through 2006 period comprised mostly of recharge and minimal recovery operations. Allocations from the State Water Project were 90% in 2005 and 100% in 2006. Summaries of recharge activities by year are described in this chapter. Section 3A contains maps showing recharge pond areas used each year (Plate 3A-1 to Plate 3A-2). Plate 3A-3 shows the recharge pond areas utilized during 2005-2006. Plate 3A-4 depicts the well facilities available for use during the 2005-2006 operational period represented in this report.

DESCRIPTION OF TABLES

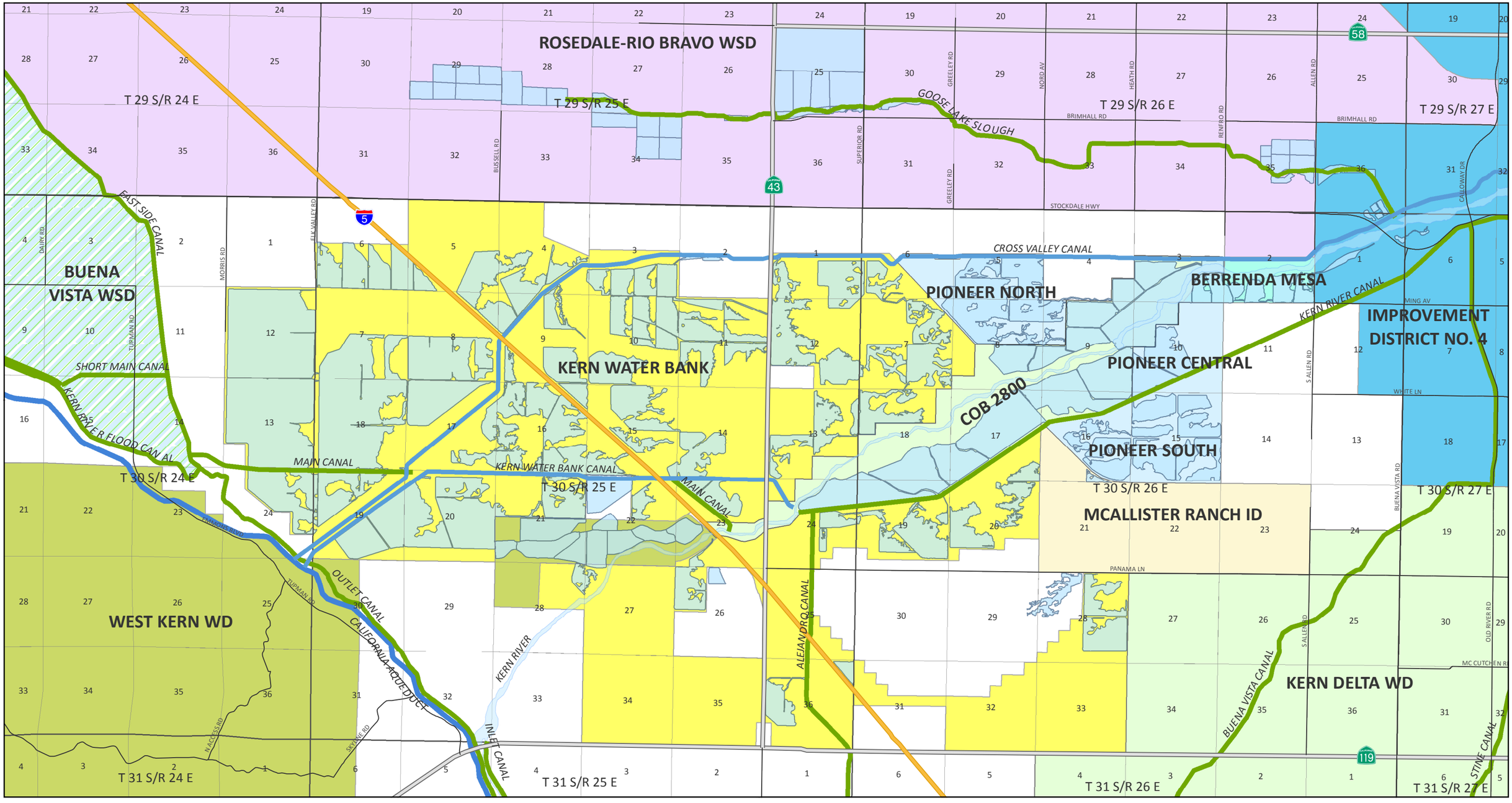
Section 3B is dedicated to recovery operations. Recovery operations were minimal and only occurred during January 2005.

Section 3C contains yearly tables showing water deliveries by physical source and location, by change for physical source and location, 6% losses calculations, banking summary after 6% losses before 4% reserve calculations, 4% reserves and finally a banking summary after 6% losses and 4% reserve calculations (Tables 3C-1 to 3C-12).

Section 3D contains detailed bank account summaries through December 2006 alphabetically by project then by district (Tables 3D-1 to 3D-48).

Section 3E contains overdraft correction account summaries through December 2006 alphabetically by project then by district (Tables 3E-1 to 3E-21). Overdraft correction account summaries may not display every year since overdraft correction accounting only occurs during recharge operations.

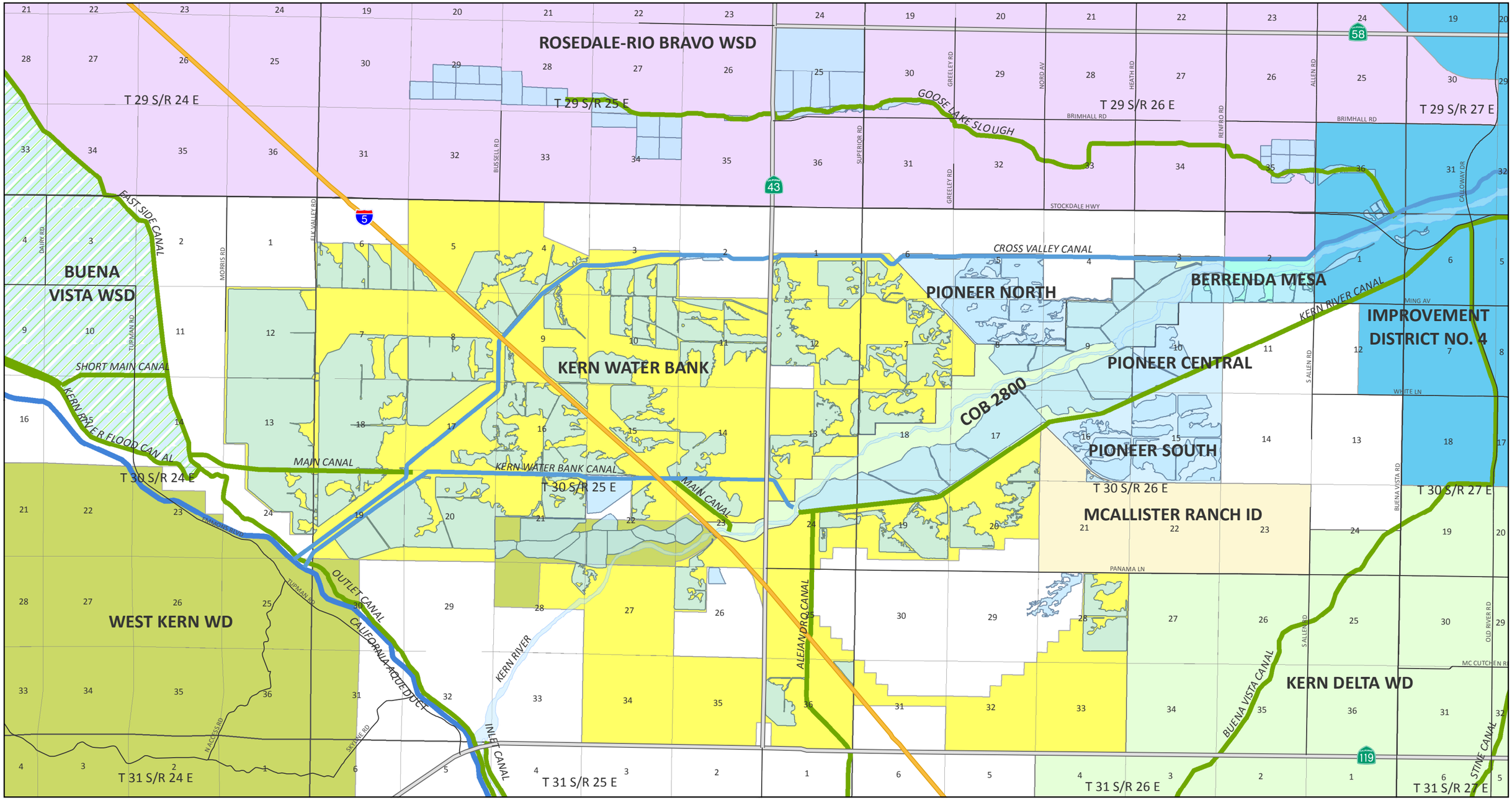
The tables do not include all of the banking projects described in every District MOU. Additional data can be found under Appendix H.



KERN FAN POND UTILIZATION MAP 2005

PLATE 3A-1

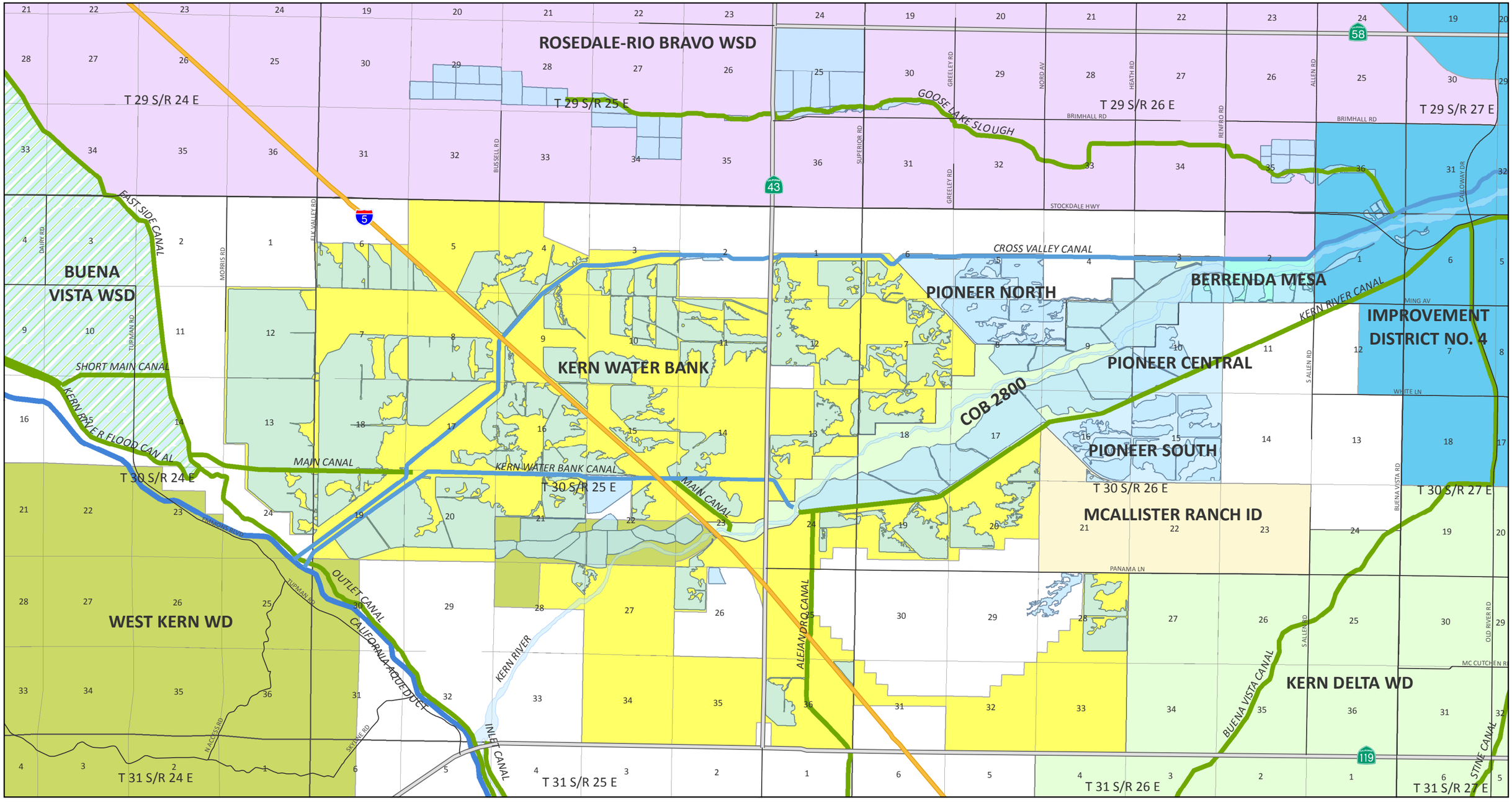
Created: 2010-1110, S. CHAMBLESS
Filename: Plate 3A-1 Pond Utilization 2005.mxd



KERN FAN POND UTILIZATION MAP 2006

PLATE 3A-2

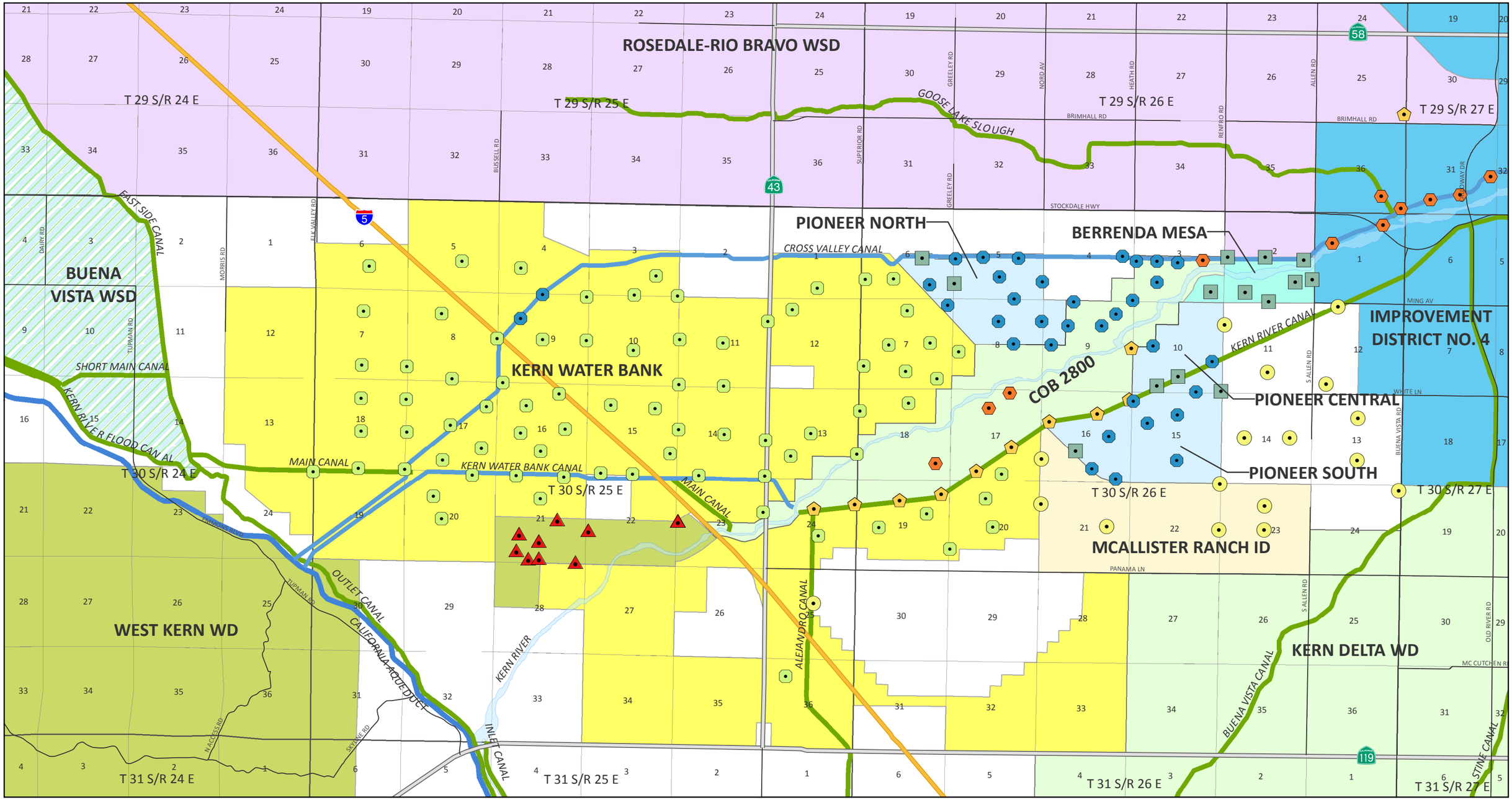
Created: 2010-1111, S. CHAMBLESS
Filename: Plate 3A-2 Ponds Used in 2006.mxd



KERN FAN POND UTILIZATION MAP 2005-2006

PLATE 3A-3

Created: 2010-1111, S. CHAMBLESS
Filename: Plate 3A-3 Ponds Used in 2005-2006.mxd



KERN FAN UTILIZATION MAP
WELL FACILITIES

PLATE 3A-4

Created: 2010-1111, S. CHAMBLESS
Filename: Plate 3A-4 Well Facilities.mxd

LEGEND

- BERRENDA MESA
- CITY OF BAKERSFIELD
- IMPROVEMENT DISTRICT NO. 4
- KERN COUNTY WATER AGENCY
- KERN WATER BANK
- PRIVATE CAPACITY - KCWA
- WEST KERN

N

0 0.25 0.5 1 1.5 2 Miles

1 inch = 1 miles

KERN COUNTY WATER AGENCY
KERN FAN PROJECTS
SUMMARY OF RECOVERY

QUANTITIES IN ACRE-FEET

YEAR: **2005**

PROJECT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2800 ACRES (PIONEER)	0	0	0	0	0	0	0	0	0	0	0	0	0
2800 ACRES (OLCESE)	0	0	0	0	0	0	0	0	0	0	0	0	0
PIONEER	1,476	0	0	0	0	0	0	0	0	0	0	0	1,476
BERRENDA MESA	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN WATER BANK	0	0	0	0	0	0	0	0	0	0	0	0	0
ID4 ALLEN ROAD WELL FIELD	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,476**

PARTICIPANT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
BELRIDGE WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
BERRENDA MESA WD	0	0	0	0	0	0	0	0	0	0	0	0	0
BUENA VISTA WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
CAWELO WD	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF BAKERSFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0
DUDLEY RIDGE WD	0	0	0	0	0	0	0	0	0	0	0	0	0
HENRY MILLER WD	0	0	0	0	0	0	0	0	0	0	0	0	0
ID4	1,476	0	0	0	0	0	0	0	0	0	0	0	1,476
KCWA	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN DELTA WD	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN TULARE & RAG GULCH WDS	0	0	0	0	0	0	0	0	0	0	0	0	0
LOST HILLS WD	0	0	0	0	0	0	0	0	0	0	0	0	0
ROSEDALE-RIO BRAVO WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
SEMITROPIC WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
TEJON-CASTAC WD	0	0	0	0	0	0	0	0	0	0	0	0	0
WESTSIDE MUTUAL WC	0	0	0	0	0	0	0	0	0	0	0	0	0
WHEELER RIDGE-MARICOPA WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**1,476**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,476**

KERN COUNTY WATER AGENCY

PIONEER PROJECT

SUMMARY OF RECOVERY

(QUANTITIES IN ACRE-FEET) YEAR: **2005**

WELL	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2800 Acres													
KCWA 1	252	0	0	0	0	0	0	0	0	0	0	0	252
KCWA 2	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 3	242	0	0	0	0	0	0	0	0	0	0	0	242
KCWA 4	260	0	0	0	0	0	0	0	0	0	0	0	260
KCWA 5	170	0	0	0	0	0	0	0	0	0	0	0	170
KCWA 7	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 8	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 9	174	0	0	0	0	0	0	0	0	0	0	0	94
KCWA 10	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	1,098	0	0	0	0	0	0	0	0	0	0	0	1,098
Pioneer													
KCWA 6	94	0	0	0	0	0	0	0	0	0	0	0	94
KCWA 11	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 12	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 13	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 14	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 15	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 16	26	0	0	0	0	0	0	0	0	0	0	0	26
KCWA 17	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 18	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 19	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 20	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 21	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 22	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 23	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA 24	0	0	0	0	0	0	0	0	0	0	0	0	0
REHAB 1	0	0	0	0	0	0	0	0	0	0	0	0	0
REHAB 2	258	0	0	0	0	0	0	0	0	0	0	0	258
REHAB 3	0	0	0	0	0	0	0	0	0	0	0	0	0
REHAB 4	0	0	0	0	0	0	0	0	0	0	0	0	0
REHAB 5	0	0	0	0	0	0	0	0	0	0	0	0	0
REHAB 6	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	378	0	0	0	0	0	0	0	0	0	0	0	378
BOLTHOUSE													
3B1	0	0	0	0	0	0	0	0	0	0	0	0	0
4B1	0	0	0	0	0	0	0	0	0	0	0	0	0
40	0	0	0	0	0	0	0	0	0	0	0	0	0
4L1	0	0	0	0	0	0	0	0	0	0	0	0	0
11D1	0	0	0	0	0	0	0	0	0	0	0	0	0
11P1	0	0	0	0	0	0	0	0	0	0	0	0	0
12D1	0	0	0	0	0	0	0	0	0	0	0	0	0
12N1	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1,476	0	0	0	0	0	0	0	0	0	0	0	1,476

PARTICIPANT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
BELRIDGE WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
BERRENDA MESA WD	0	0	0	0	0	0	0	0	0	0	0	0	0
BUENA VISTA WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
CAWELO WD	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF BAKERSFIELD	0	0	0	0	0	0	0	0	0	0	0	0	0
HENRY MILLER WD	0	0	0	0	0	0	0	0	0	0	0	0	0
ID4	1,476	0	0	0	0	0	0	0	0	0	0	0	1,476
KCWA	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN DELTA WD	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN TULARE & RAG GULCH WDS	0	0	0	0	0	0	0	0	0	0	0	0	0
LOST HILLS WD	0	0	0	0	0	0	0	0	0	0	0	0	0
ROSEDALE-RIO BRAVO WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
SEMITROPIC WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
TEJON-CASTAC WD	0	0	0	0	0	0	0	0	0	0	0	0	0
WHEELER RIDGE-MARICOPA WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1,476	0	0	0	0	0	0	0	0	0	0	0	1,476

2005 SPREADING PROGRAM

WATER DELIVERIES BY PHYSICAL SOURCE AND LOCATION

(QUANTITIES ACRE-FEET)

YEAR: **2005**

	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY									KERN RIVER CHANNEL			POSO CREEK			SUBTOTAL			
										NORTH			CENTRAL			SOUTH												
DISTRICT	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
BELRIDGE	1,232	180	260	14,273	2,305	2	34,278	5,697	-	7,615	446	309	1,351	323	-	2,033	315	771	508	417	-	-	-	-	61,290	9,683	1,342	**72,315**
BERRENDA MESA	8,206	2,956	2,477	12,671	2,614	462	23,774	3,801	-	5,545	464	309	493	348	371	483	334	771	73	442	53	-	-	-	51,245	10,959	4,443	**66,647**
BUENA VISTA	-	-	3,319	-	-	1,530	-	-	900	-	1,097	4,999	-	371	4,093	-	-	4,167	-	-	3,310	-	-	-	-	1,468	22,318	**23,786**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**
DUDLEY RIDGE	-	350	-	-	87	-	15,694	4,440	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	15,694	4,881	-	**20,575**
HENRY MILLER	-	-	-	3,472	386	-	841	-	-	2,162	568	-	77	335	-	550	449	-	-	594	-	-	-	-	7,102	2,332	-	**9,434**
ID4	-	350	-	12,269	87	-	35,812	968	-	1,980	-	-	416	-	-	512	-	-	44	-	-	-	-	-	51,033	1,405	-	**52,438**
KCWA	-	-	541	3,087	-	-	-	-	-	1,256	-	-	234	-	171	551	-	-	85	-	82	-	-	-	5,213	-	794	**6,007**
KERN DELTA	-	-	-	2,103	-	1,559	453	-	-	969	-	967	81	-	1,052	195	-	6,888	-	-	842	-	-	-	3,801	-	11,308	**15,109**
LOST HILLS	988	547	223	9,558	2,295	265	47,860	5,759	-	4,870	455	273	986	323	-	880	328	680	-	435	5	-	-	-	65,142	10,142	1,446	**76,730**
ROSEDALE-RIO BRAVO	-	7,270	-	1,627	25,905	133	-	15,042	-	558	3,331	-	272	8,412	-	643	12,087	-	211	20,341	328	-	-	-	3,311	92,388	461	**96,160**
SEMITROPIC	-	243	2,113	7,956	2,882	1,053	82,609	3,837	-	3,343	799	255	791	542	574	1,097	3,040	1,021	200	864	358	-	-	-	95,996	12,207	5,374	**113,577**
TEJON-CASTAC	-	73	-	162	18	-	3,377	229	-	124	1	-	8	-	-	16	-	-	6	-	-	-	-	-	3,693	321	-	**4,014**
WEST KERN	-	-	-	-	-	-	-	1,908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,908	-	**1,908**
WESTSIDE MUTUAL	-	1,746	-	-	432	-	-	4,835	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,013	-	**7,013**
WHEELER RIDGE-MARICOPA	-	1,822	-	10,024	4,193	-	82,720	12,723	-	6,836	845	-	96	587	-	98	603	-	-	799	-	-	-	-	99,774	21,572	-	**121,346**
TOTAL	**10,426**	**15,537**	**8,933**	**77,202**	**41,204**	**5,004**	**327,418**	**59,239**	**900**	**35,258**	**8,010**	**7,112**	**4,805**	**11,241**	**6,261**	**7,058**	**17,156**	**14,298**	**1,127**	**23,892**	**4,978**	**0**	**0**	**0**	**463,294**	**176,279**	**47,486**	**687,059**

	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY									KERN RIVER CHANNEL			POSO CREEK			
										NORTH			CENTRAL			SOUTH									
TYPE OF WATER	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
SWP - CARRYOVER	830	-	-	6,065	-	-	19,980	-	-	3,451	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**30,326**
BELRIDGE	-	-	-	617	-	-	1,439	-	-	559	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,615
BERRENDA MESA	830	-	-	-	-	-	692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,522
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
DUDLEY RIDGE	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48
IMPROVEMENT DISTRICT 4	-	-	-	-	-	-	1,374	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,374
KERN DELTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
LOST HILLS	-	-	-	869	-	-	-	-	-	792	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,661
SEMITROPIC	-	-	-	-	-	-	2,236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,236
SEMITROPIC BANKERS	-	-	-	3,381	-	-	14,191	-	-	1,004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18,576
TEJON-CASTAC	-	-	-	120	-	-	-	-	-	110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	230
WESTSIDE MUTUAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
WHEELER RIDGE-MARICOPA	-	-	-	1,078	-	-	-	-	-	986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,064
SWP - ENTITLEMENT	2,702	-	-	21,986	-	-	82,233	-	-	10,748	-	-	3,078	-	-	4,575	-	-	1,127	-	-	-	-	-	**126,449**
BELRIDGE	289	-	-	6,255	-	-	-	-	-	3,360	-	-	1,091	-	-	1,604	-	-	508	-	-	-	-	-	13,107
BERRENDA MESA	2,091	-	-	3,108	-	-	-	-	-	2,063	-	-	234	-	-	372	-	-	73	-	-	-	-	-	7,941
DUDLEY RIDGE	-	-	-	-	-	-	2,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,500
HENRY MILLER	-	-	-	873	-	-	-	-	-	506	-	-	76	-	-	532	-	-	-	-	-	-	-	-	1,987
IMPROVEMENT DISTRICT 4	-	-	-	1,674	-	-	25,005	-	-	741	-	-	119	-	-	222	-	-	44	-	-	-	-	-	27,805
KERN COUNTY WATER AGENCY	-	-	-	3,087	-	-	-	-	-	1,256	-	-	234	-	-	551	-	-	85	-	-	-	-	-	5,213
KERN DELTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
LOST HILLS.	322	-	-	2,637	-	-	3,234	-	-	690	-	-	712	-	-	393	-	-	-	-	-	-	-	-	7,988
ROSEDALE-RIO BRAVO	-	-	-	1,527	-	-	-	-	-	527	-	-	249	-	-	598	-	-	211	-	-	-	-	-	3,112
SEMITROPIC	-	-	-	2,783	-	-	35,872	-	-	1,591	-	-	356	-	-	287	-	-	200	-	-	-	-	-	41,089
TEJON-CASTAC	-	-	-	42	-	-	-	-	-	14	-	-	7	-	-	16	-	-	6	-	-	-	-	-	85
WESTSIDE MUTUAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
WHEELER RIDGE-MARICOPA	-	-	-	-	-	-	15,622	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15,622
SWP - ARTICLE 21	6,894	-	-	30,355	-	-	201,695	-	-	14,958	-	-	1,357	-	-	2,362	-	-	-	-	-	-	-	-	**257,621**
BELRIDGE	943	-	-	5,973	-	-	27,712	-	-	2,857	-	-	260	-	-	429	-	-	-	-	-	-	-	-	38,174
BERRENDA MESA	5,285	-	-	2,762	-	-	16,955	-	-	1,564	-	-	186	-	-	111	-	-	-	-	-	-	-	-	26,863
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
DUDLEY RIDGE	-	-	-	-	-	-	13,146	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,146
HENRY MILLER	-	-	-	2,599	-	-	907	-	-	1,423	-	-	1	-	-	18	-	-	-	-	-	-	-	-	4,948
IMPROVEMENT DISTRICT 4	-	-	-	1,113	-	-	8,252	-	-	507	-	-	-	-	-	169	-	-	-	-	-	-	-	-	10,041
KERN DELTA	-	-	-	1,528	-	-	-	-	-	662	-	-	81	-	-	195	-	-	-	-	-	-	-	-	2,466
LOST HILLS	666	-	-	5,542	-	-	42,530	-	-	2,752	-	-	274	-	-	487	-	-	-	-	-	-	-	-	52,251
ROSEDALE-RIO BRAVO	-	-	-	100	-	-	-	-	-	31	-	-	23	-	-	45	-	-	-	-	-	-	-	-	199
SEMITROPIC	-	-	-	1,792	-	-	28,141	-	-	663	-	-	435	-	-	810	-	-	-	-	-	-	-	-	31,841
TEJON-CASTAC	-	-	-	-	-	-	3,377	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3,378
WESTSIDE MUTUAL.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
WHEELER RIDGE-MARICOPA	-	-	-	8,946	-	-	60,675	-	-	4,499	-	-	96	-	-	98	-	-	-	-	-	-	-	-	74,314
SWP ART 21-FK AE/RRB EXCHANGE	-	-	-	4,083	-	-	9,596	-	-	2,960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**16,639**
BELRIDGE	-	-	-	570	-	-	1,958	-	-	554	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,082
BERRENDA MESA	-	-	-	3,022	-	-	789	-	-	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,936
HENRY MILLER	-	-	-	-	-	-	841	-	-	233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,074
IMPROVEMENT DISTRICT 4	-	-	-	-	-	-	274	-	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	297
KERN DELTA	-	-	-	-	-	-	453	-	-	307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	760
LOST HILLS	-	-	-	491	-	-	1,705	-	-	520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,716
WHEELER RIDGE-MARICOPA	-	-	-	-	-	-	3,576	-	-	1,198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,774

	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY NORTH			PIONEER PROPERTY CENTRAL			PIONEER PROPERTY SOUTH			KERN RIVER CHANNEL			POSO CREEK			
TYPE OF WATER	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
SWP ART 21-FK AE/RRB EXCHANGE	-	-	-	-	-	-	3,636	-	-	948	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**4,584**
BELRIDGE	-	-	-	-	-	-	538	-	-	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	667
BERRENDA MESA	-	-	-	-	-	-	2,707	-	-	707	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,414
LOST HILLS	-	-	-	-	-	-	391	-	-	112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	503
SWP ART 21-KR BV EXCHANGE	-	-	-	-	-	-	-	-	-	776	-	-	73	-	-	-	-	-	-	-	-	-	-	-	**849**
BELRIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
BERRENDA MESA	-	-	-	-	-	-	-	-	-	776	-	-	73	-	-	-	-	-	-	-	-	-	-	-	849
LOST HILLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
SWP ID4-KR KD EXCHANGE	-	-	-	1,860	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**1,860**
IMPROVEMENT DISTRICT 4	-	-	-	1,860	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,860
SWP ID4-FK RRB EXCHANGE	-	-	-	1,579	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**1,579**
IMPROVEMENT DISTRICT 4	-	-	-	1,579	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,579
SWP ID4-KR LR EXCHANGE	-	-	-	6,043	-	-	-	-	-	709	-	-	297	-	-	121	-	-	-	-	-	-	-	-	**7,170**
IMPROVEMENT DISTRICT 4	-	-	-	6,043	-	-	-	-	-	709	-	-	297	-	-	121	-	-	-	-	-	-	-	-	7,170
SWP/KR LR EXCHANGE	-	-	-	2,928	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**2,928**
BELRIDGE	-	-	-	618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	618
BERRENDA MESA	-	-	-	1,735	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,735
KERN DELTA	-	-	-	575	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	575
SWP PN PROJECT / FK RRB EXC	-	-	-	-	-	-	10,278	-	-	438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**10,716**
BELRIDGE	-	-	-	-	-	-	2,631	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,731
BERRENDA MESA	-	-	-	-	-	-	2,631	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,731
SEMITROPIC	-	-	-	-	-	-	2,169	-	-	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,254
WHEELER RIDGE-MARICOPA	-	-	-	-	-	-	2,847	-	-	153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,000
SWP BM PROJECT / FK RRB EXC	-	-	-	2,303	-	-	-	-	-	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**2,573**
BELRIDGE	-	-	-	240	-	-	-	-	-	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	296
BERRENDA MESA	-	-	-	2,044	-	-	-	-	-	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,254
LOST HILLS	-	-	-	19	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
FK - AE/RRB	-	614	-	-	11,903	-	-	6,819	-	-	3,299	-	-	6,773	-	-	4,953	-	-	17,501	-	-	-	-	**51,862**
ROSEDALE-RIO BRAVO	-	614	-	-	11,903	-	-	6,819	-	-	3,299	-	-	6,773	-	-	4,953	-	-	17,501	-	-	-	-	51,862
FK AE/RRB-SWP ART 21 EXCHANGE	-	4,083	-	-	9,516	-	-	-	-	-	20	-	-	-	-	-	4,504	-	-	-	-	-	-	-	**18,123**
ROSEDALE-RIO BRAVO	-	4,083	-	-	9,516	-	-	-	-	-	20	-	-	-	-	-	4,504	-	-	-	-	-	-	-	18,123
FK - KTRG/RRB	-	-	-	-	2,366	-	-	8,223	-	-	12	-	-	-	-	-	-	-	-	2,667	-	-	-	-	**13,268**
ROSEDALE-RIO BRAVO	-	-	-	-	2,366	-	-	8,223	-	-	12	-	-	-	-	-	-	-	-	2,667	-	-	-	-	13,268
FK - KTRG/RRB / SWP EXCHANGE	-	-	-	-	688	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**688**
SEMITROPIC	-	-	-	-	688	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	688
FK - KTRG/RRB / SWP EXCHANGE	-	2,573	-	-	2,120	-	-	-	-	-	-	-	-	1,639	-	-	2,630	-	-	173	-	-	-	-	**9,135**
ROSEDALE-RIO BRAVO	-	2,573	-	-	2,120	-	-	-	-	-	-	-	-	1,639	-	-	2,630	-	-	173	-	-	-	-	9,135
FK - NK/BV EXCHANGE	-	-	-	-	-	-	-	-	-	-	1,047	-	-	296	-	-	-	-	-	-	-	-	-	-	**1,343**
BUENA VISTA	-	-	-	-	-	-	-	-	-	-	1,047	-	-	296	-	-	-	-	-	-	-	-	-	-	1,343
FK - KWB 215 / KR EXC	-	-	-	-	-	-	-	-	-	-	50	-	-	75	-	-	-	-	-	-	-	-	-	-	**125**
BUENA VISTA	-	-	-	-	-	-	-	-	-	-	50	-	-	75	-	-	-	-	-	-	-	-	-	-	125
FK - KWB 215 / SWP ART 21 EXC	-	3,636	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**3,636**
BELRIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
BERRENDA MESA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
DUDLEY RIDGE	-	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	350
IMPROVEMENT DISTRICT 4	-	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	350
SEMITROPIC	-	243	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	243
TEJON-CASTAC	-	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73
WESTSIDE MUTUAL	-	1,746	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,746
WHEELER RIDGE-MARICOPA	-	874	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	874
FK - SECTION 215	-	4,631	-	-	14,611	-	-	44,197	-	-	3,582	-	-	2,458	-	-	5,069	-	-	3,551	-	-	-	-	**78,099**
BELRIDGE	-	180	-	-	2,305	-	-	5,697	-	-	446	-	-	323	-	-	315	-	-	417	-	-	-	-	9,683
BERRENDA MESA	-	2,956	-	-	2,614	-	-	3,801	-	-	464	-	-	409	-	-	334	-	-	442	-	-	-	-	11,020
DUDLEY RIDGE	-	-	-	-	87	-	-	4,440	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	4,531
HENRY MILLER	-	-	-	-	386	-	-	-	-	-	568	-	-	335	-	-	449	-	-	594	-	-	-	-	2,332
IMPROVEMENT DISTRICT 4	-	-	-	-	87	-	-	968	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,055
LOST HILLS	-	547	-	-	2,295	-	-	5,759	-	-	455	-	-	262	-	-	328	-	-	435	-	-	-	-	10,081
SEMITROPIC	-	-	-	-	2,194	-	-	3,837	-	-	799	-	-	542	-	-	3,040	-	-	864	0	0	-	-	11,276
TEJON-CASTAC	-	-	-	-	18	-	-	229	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	248
WEST KERN	-	-	-	-	-	-	-	1,908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,908
WESTSIDE MUTUAL	-	-	-	-	432	-	-	4,835	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,267
WHEELER RIDGE-MARICOPA	-	948	-	-	4,193	-	-	12,723	-	-	845	-	-	587	-	-	603	-	-	799	-	-	-	-	20,698
KR - RRB	-	-	-	-	-	133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	328	-	-	-	**461**
ROSEDALE-RIO BRAVO	-	-	-	-	-	133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	328	-	-	-	461
KR - LOWER RIVER/SWP EXC	-	-	3,261	-	-	1,782	-	-	-	-	-	1,146	-	-	945	-	-	3,243	-	-	416	-	-	-	**10,793**
BELRIDGE	-	-	260	-	-	2	-	-	-	-	-	309	-	-	-	-	-	771	-	-	-	-	-	-	1,342
BERRENDA MESA	-	-	2,477	-	-	462	-	-	-	-	-	309	-	-	371	-	-	771	-	-	53	-	-	-	4,443
LOST HILLS	-	-	223	-	-	265	-	-	-	-	-	273	-	-	-	-	-	680	-	-	5	-	-	-	1,446
SEMITROPIC	-	-	301	-	-	1,053	-	-	-	-	-	255	-	-	574	-	-	1,021	-	-	358	-	-	-	3,562
KR - LR/SWP EXC	-	-	2,353	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**2,353**
KERN COUNTY WATER AGENCY	-	-	541	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	541
SEMITROPIC	-	-	1,812	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,812
KR - LOWER RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	171	-	-	-	-	-	82	-	-	-	**253**
KERN COUNTY WATER AGENCY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	171	-	-	-	-	-	82	0	-	-	253
KR - BUENA VISTA	-	-	1,522	-	-	1,530	-	-	900	-	-	5,011	-	-	4,093	-	-	4,167	-	-	3,310	-	-	-	**20,533**
BUENA VISTA	-	-	1,522	-	-	1,530	-	-	900	-	-	5,011	-	-	4,093	-	-	4,167	-	-	3,310	-	-	-	20,533
KR - BV /SWP EXC	-	-	1,797	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**1,797**
BUENA VISTA	-	-	1,797	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,797
KR - BV / KD - SWP EXC	-	-	-	-	-	1,559	-	-	-	-	-	955	-	-	1,052	-	-	6,888	-	-	842	-	-	-	**11,296**
KERN DELTA	-	-	-	-	-	1,559	-	-	-	-	-	955	-	-	1,052	-	-	6,888	-	-	842	-	-	-	11,296
KR - RRB/ID4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
IMPROVEMENT DISTRICT 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
TOTAL	**10,426**	**15,537**	**8,933**	**77,202**	**41,204**	**5,004**	**327,418**	**59,239**	**900**	**35,258**	**8,010**	**7,112**	**4,805**	**11,241**	**6,261**	**7,058**	**17,156**	**14,298**	**1,127**	**23,892**	**4,978**	**0**	**0**	**0**	**687,059**

2005 SPREADING PROGRAM

CHANGE TABLE

PHYSICAL SOURCE AND LOCATION TO LEGAL SOURCE AND LOCATION ADJUSTMENT

(QUANTITIES ACRE-FEET)

YEAR: **2005**

	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY NORTH			PIONEER PROPERTY CENTRAL			PIONEER PROPERTY SOUTH			KERN RIVER CHANNEL			POSO CREEK			SUBTOTAL			
DISTRICT	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	Total
BELRIDGE	2,427	18	-260	-14,273	-2,305	-2	-34,278	-5,697	-	18,550	2,257	-309	11	-18	-	1,812	-	-771	-	-	-	-	-	-	-25,751	-5,745	-1,342	**-32,838**
BERRENDA MESA	13,848	98	-2,477	-12,671	-2,614	-462	-23,774	-3,801	-	10,370	2,572	-309	235	-98	-371	1,271	-	-771	53	-	-53	-	-	-	-10,668	-3,843	-4,443	**-18,954**
BUENA VISTA	-	-	-3,319	-	-	-1,530	-	-	-900	-	-1,097	5,645	-	-371	1,966	-	-	-	-	-	-394	-	-	-	-	-1,468	1,468	**-**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**
DUDLEY RIDGE	-	-350	-	-	-87	-	-	441	-	-	-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**
HENRY MILLER	-	-	-	-3,472	-386	-	-841	-	-	4,192	386	-	-	-	-	393	-	-	-	-	-	-	-	-	272	-	-	**272**
IMPROVEMENT DISTRICT 4	-	-350	-	-12,269	-87	-	-274	437	-	2,279	-	-	-297	-	-	78	-	-	-	-	-	-	-	-	-10,483	-	-	**-10,483**
KCWA	-	-	-541	-3,087	-	-	-	-	-	3,087	-	541	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**
KERN DELTA	-	-	-	-2,103	-	-1,559	-453	-	-	6,367	-	-967	1,052	-	-1,052	6,888	-	-6,888	842	-	-842	-	-	-	12,593	-	-11,308	**1,285**
LOST HILLS	1,256	16	-223	-9,558	-2,295	-265	-47,860	-5,759	-	12,312	2,255	-273	11	-16	-	1,536	-	-680	5	-	-5	-	-	-	-42,298	-5,799	-1,446	**-49,543**
ROSEDALE-RIO BRAVO	-	-7,270	-	-1,627	-25,905	-133	-	19,465	-	1,627	35,339	193	-	-481	-	-	-7,134	-	-	-15,667	-60	-	-	-	-	-1,653	-	**-1,653**
SEMITROPIC	-	-243	-2,113	-7,956	-2,882	-1,053	3,644	344	-	11,558	2,093	-255	595	-	-574	1,047	-	-1,021	358	-	-358	-	-	-	9,246	-688	-5,374	**3,184**
TEJON-CASTAC	-	-73	-	-162	-18	-	1	92	-	162	-1	-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**
WEST KERN	-	-	-	-	-	-	-	-1,908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1,908	-	**-1,908**
WESTSIDE MUTUAL	-	-1,746	-	-	-432	-	92,471	17,565	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92,471	15,387	-	**107,858**
WHEELER RIDGE-MARICOPA	-	-845	-	-10,024	-4,193	-	-6,333	1,175	-	15,709	3,892	-	-90	-29	-	1,610	-	-	-	-	-	-	-	-	872	-	-	**872**
TOTAL	**17,531**	**-10,745**	**-8,933**	**-77,202**	**-41,204**	**-5,004**	**-17,697**	**22,354**	**-900**	**86,213**	**47,692**	**4,266**	**1,516**	**-1,013**	**-31**	**14,635**	**-7,134**	**-10,131**	**1,258**	**-15,667**	**-1,712**	**-**	**-**	**-**	**26,254**	**-5,717**	**-22,445**	**-1,908**

	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY NORTH			PIONEER PROPERTY CENTRAL			PIONEER PROPERTY SOUTH			KERN RIVER CHANNEL			POSO CREEK			
TYPE OF WATER	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	Total
SWP - CARRYOVER	-	-	-	-6,065	-	-	4,998	-	-	1,692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**625**
BELRIDGE	-	-	-	-617	-	-	-1,439	-	-	617	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-1,439**
BERRENDA MESA	-	-	-	-	-	-	-692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-692**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
DUDLEY RIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
IMPROVEMENT DISTRICT 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KERN DELTA	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**12**
LOST HILLS	-	-	-	-869	-	-	-	-	-	869	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SEMITROPIC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SEMITROPIC BANKERS	-	-	-	-3,381	-	-	4,998	-	-	-1,004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**613**
TEJON-CASTAC	-	-	-	-120	-	-	-	-	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WESTSIDE MUTUAL	-	-	-	-	-	-	2,131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**2,131**
WHEELER RIDGE-MARICOPA	-	-	-	-1,078	-	-	-	-	-	1,078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SWP - ENTITLEMENT	8,747	-	-	-21,986	-	-	-234	-	-	49,678	-	-	2,282	-	-	10,252	-	-	1,258	-	-	-	-	-	**49,997**
BELRIDGE	1,174	-	-	-6,255	-	-	-	-	-	10,740	-	-	80	-	-	804	-	-	-	-	-	-	-	-	**6,543**
BERRENDA MESA	7,324	-	-	-3,108	-	-	-	-	-	8,740	-	-	442	-	-	804	-	-	53	-	-	-	-	-	**14,255**
DUDLEY RIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
HENRY MILLER	-	-	-	-873	-	-	-	-	-	873	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
IMPROVEMENT DISTRICT 4	-	-	-	-1,674	-	-	-	-	-	1,674	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KERN COUNTY WATER AGENCY	-	-	-	-3,087	-	-	-	-	-	3,087	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KERN DELTA	-	-	-	-	-	-	-	-	-	4,374	-	-	1,052	-	-	6,888	-	-	842	-	-	-	-	-	**13,156**
LOST HILLS	249	-	-	-2,637	-	-	-3,234	-	-	4,684	-	-	68	-	-	709	-	-	5	-	-	-	-	-	**-156**
ROSEDALE-RIO BRAVO	-	-	-	-1,527	-	-	-	-	-	1,527	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SEMITROPIC	-	-	-	-2,783	-	-	-	-	-	10,937	-	-	640	-	-	1,047	-	-	358	-	-	-	-	-	**10,199**
TEJON-CASTAC	-	-	-	-42	-	-	-	-	-	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WESTSIDE MUTUAL	-	-	-	-	-	-	3,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**3,000**
WHEELER RIDGE-MARICOPA	-	-	-	-	-	-	-	-	-	3,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**3,000**
SWP - ARTICLE 21	8,784	-	-	-30,355	-	-	1,049	-	-	40,944	-	-	-396	-	-	4,504	-	-	-	-	-	-	-	-	**24,530**
BELRIDGE	1,253	-	-	-5,973	-	-	-27,712	-	-	8,032	-	-	-69	-	-	1,008	-	-	-	-	-	-	-	-	**-23,461**
BERRENDA MESA	6,524	-	-	-2,762	-	-	-16,955	-	-	3,548	-	-	-134	-	-	467	-	-	-	-	-	-	-	-	**-9,312**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
DUDLEY RIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
HENRY MILLER	-	-	-	-2,599	-	-	-907	-	-	3,552	-	-	-	-	-	393	-	-	-	-	-	-	-	-	**439**
IMPROVEMENT DISTRICT 4	-	-	-	-1,113	-	-	907	-	-	1,337	-	-	-	-	-	199	-	-	-	-	-	-	-	-	**1,330**
KERN DELTA	-	-	-	-1,528	-	-	-	-	-	2,288	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**760**
LOST HILLS	1,007	-	-	-5,542	-	-	-42,530	-	-	7,395	-	-	-57	-	-	827	-	-	-	-	-	-	-	-	**-38,900**
ROSEDALE-RIO BRAVO	-	-	-	-100	-	-	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SEMITROPIC	-	-	-	-1,792	-	-	815	-	-	1,710	-	-	-45	-	-	-	-	-	-	-	-	-	-	-	**688**
TEJON-CASTAC	-	-	-	-	-	-	1	-	-	-	-	-	-1	-	-	-	-	-	-	-	-	-	-	-	**0**
WESTSIDE MUTUAL	-	-	-	-	-	-	87,340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**87,340**
WHEELER RIDGE-MARICOPA	-	-	-	-8,946	-	-	90	-	-	12,982	-	-	-90	-	-	1,610	-	-	-	-	-	-	-	-	**5,646**
SWP ART 21-FK AE/RRB EXCHANGE	-	-	-	-4,083	-	-	-9,596	-	-	-2,960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-16,639**
BELRIDGE	-	-	-	-570	-	-	-1,958	-	-	-554	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-3,082**
BERRENDA MESA	-	-	-	-3,022	-	-	-789	-	-	-125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-3,936**
HENRY MILLER	-	-	-	-	-	-	-841	-	-	-233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-1,074**
IMPROVEMENT DISTRICT 4	-	-	-	-	-	-	-274	-	-	-23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-297**
KERN DELTA	-	-	-	-	-	-	-453	-	-	-307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-760**
LOST HILLS	-	-	-	-491	-	-	-1,705	-	-	-520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-2,716**
WHEELER RIDGE-MARICOPA	-	-	-	-	-	-	-3,576	-	-	-1,198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-4,774**
SWP ART 21-FK AE/RRB EXCHANGE	-	-	-	-	-	-	-3,636	-	-	-948	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-4,584**
BELRIDGE	-	-	-	-	-	-	-538	-	-	-129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-667**
BERRENDA MESA	-	-	-	-	-	-	-2,707	-	-	-707	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-3,414**
LOST HILLS	-	-	-	-	-	-	-391	-	-	-112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-503**
SWP ART 21-KR BV EXCHANGE	-	-	-	-	-	-	-	-	-	-776	-	-	-73	-	-	-	-	-	-	-	-	-	-	-	**-849**
BELRIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
BERRENDA MESA	-	-	-	-	-	-	-	-	-	-776	-	-	-73	-	-	-	-	-	-	-	-	-	-	-	**-849**
LOST HILLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SWP ID4-KR KD EXCHANGE	-	-	-	-1,860	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-1,860**
IMPROVEMENT DISTRICT 4	-	-	-	-1,860	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-1,860**
SWP ID4-FK RRB EXCHANGE	-	-	-	-1,579	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-1,579**
IMPROVEMENT DISTRICT 4	-	-	-	-1,579	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-1,579**
SWP ID4-KR LR EXCHANGE	-	-	-	-6,043	-	-	-	-	-	-709	-	-	-297	-	-	-121	-	-	-	-	-	-	-	-	**-7,170**
IMPROVEMENT DISTRICT 4	-	-	-	-6,043	-	-	-	-	-	-709	-	-	-297	-	-	-121	-	-	-	-	-	-	-	-	**-7,170**

TYPE OF WATER	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY NORTH			PIONEER PROPERTY CENTRAL			PIONEER PROPERTY SOUTH			KERN RIVER CHANNEL			POSO CREEK			Total
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	
SWP/KR LR EXCHANGE	-	-	-	-2,928	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-2,928
BELRIDGE	-	-	-	-618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-618
BERRENDA MESA	-	-	-	-1,735	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1,735
KERN DELTA	-	-	-	-575	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-575
SWP PN PROJECT / FK RRB EXC	-	-	-	-	-	-	-10,278	-	-	-438	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-10,716
BELRIDGE	-	-	-	-	-	-	-2,631	-	-	-100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-2,731
BERRENDA MESA	-	-	-	-	-	-	-2,631	-	-	-100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-2,731
SEMITROPIC	-	-	-	-	-	-	-2,169	-	-	-85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-2,254
WHEELER RIDGE-MARICOPA	-	-	-	-	-	-	-2,847	-	-	-153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-3,000
SWP BM PROJECT / FK RRB EXC	-	-	-	-2,303	-	-	-	-	-	-270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-2,573
BELRIDGE	-	-	-	-240	-	-	-	-	-	-56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-296
BERRENDA MESA	-	-	-	-2,044	-	-	-	-	-	-210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-2,254
LOST HILLS	-	-	-	-19	-	-	-	-	-	-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-23
FK - AE/RRB	-	-614	-	-	-11,903	-	-	9,187	-	-	29,870	-	-	1,158	-	-	-	-	-	-12,827	-	-	-	-	14,871
ROSEDALE-RIO BRAVO	-	-614	-	-	-11,903	-	-	9,187	-	-	29,870	-	-	1,158	-	-	-	-	-	-12,827	-	-	-	-	14,871
FK AE/RRB-SWP ART 21 EXCHANGE	-	-4,083	-	-	-9,516	-	-	-	-	-	-20	-	-	-	-	-	-4,504	-	-	-	-	-	-	-	-18,123
ROSEDALE-RIO BRAVO	-	-4,083	-	-	-9,516	-	-	-	-	-	-20	-	-	-	-	-	-4,504	-	-	-	-	-	-	-	-18,123
FK - KTRG/RRB	-	-	-	-	-2,366	-	-	10,278	-	-	5,489	-	-	-	-	-	-	-	-	-2,667	-	-	-	-	10,734
ROSEDALE-RIO BRAVO	-	-	-	-	-2,366	-	-	10,278	-	-	5,489	-	-	-	-	-	-	-	-	-2,667	-	-	-	-	10,734
FK - KTRG/RRB / SWP EXCHANGE	-	-	-	-	-688	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-688
SEMITROPIC	-	-	-	-	-688	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-688
FK - KTRG/RRB / SWP EXCHANGE	-	-2,573	-	-	-2,120	-	-	-	-	-	-	-	-	-1,639	-	-	-2,630	-	-	-173	-	-	-	-	-9,135
ROSEDALE-RIO BRAVO	-	-2,573	-	-	-2,120	-	-	-	-	-	-	-	-	-1,639	-	-	-2,630	-	-	-173	-	-	-	-	-9,135
FK - NK/BV EXCHANGE	-	-	-	-	-	-	-	-	-	-	-1,047	-	-	-296	-	-	-	-	-	-	-	-	-	-	-1,343
BUENA VISTA	-	-	-	-	-	-	-	-	-	-	-1,047	-	-	-296	-	-	-	-	-	-	-	-	-	-	-1,343
FK - KWB 215 / KR EXC	-	-	-	-	-	-	-	-	-	-	-50	-	-	-75	-	-	-	-	-	-	-	-	-	-	-125
BUENA VISTA	-	-	-	-	-	-	-	-	-	-	-50	-	-	-75	-	-	-	-	-	-	-	-	-	-	-125
FK - KWB 215 / SWP ART 21 EXC	-	-3,636	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-3,636
BELRIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
BERRENDA MESA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
DUDLEY RIDGE	-	-350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-350
IMPROVEMENT DISTRICT 4	-	-350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-350
SEMITROPIC	-	-243	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-243
TEJON-CASTAC	-	-73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-73
WESTSIDE MUTUAL	-	-1,746	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1,746
WHEELER RIDGE-MARICOPA	-	-874	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-874
FK - SECTION 215	-	161	-	-	-14,611	-	-	2,889	-	-	13,450	-	-	-161	-	-	-	-	-	-	-	-	-	-	1,728
BELRIDGE	-	18	-	-	-2,305	-	-	-5,697	-	-	2,257	-	-	-18	-	-	-	-	-	-	-	-	-	-	-5,745
BERRENDA MESA	-	98	-	-	-2,614	-	-	-3,801	-	-	2,572	-	-	-159	-	-	-	-	-	-	-	-	-	-	-3,904
DUDLEY RIDGE	-	-	-	-	-87	-	-	441	-	-	-4	-	-	-	-	-	-	-	-	-	-	-	-	-	350
HENRY MILLER	-	-	-	-	-386	-	-	-	-	-	386	-	-	-	-	-	-	-	-	-	-	-	-	-	0
IMPROVEMENT DISTRICT 4	-	-	-	-	-87	-	-	437	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	350
LOST HILLS	-	16	-	-	-2,295	-	-	-5,759	-	-	2,255	-	-	45	-	-	-	-	-	-	-	-	-	-	-5,738
SEMITROPIC	-	-	-	-	-2,194	-	-	344	-	-	2,093	-	-	-	-	-	-	-	-	-	-	-	-	-	243
TEJON-CASTAC	-	-	-	-	-18	-	-	92	-	-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	73
WEST KERN	-	-	-	-	-	-	-	-1,908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1,908
WESTSIDE MUTUAL	-	-	-	-	-432	-	-	17,565	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17,133
WHEELER RIDGE-MARICOPA	-	29	-	-	-4,193	-	-	1,175	-	-	3,892	-	-	-29	-	-	-	-	-	-	-	-	-	-	874
KR - RRB	-	-	-	-	-	-133	-	-	-	-	-	193	-	-	-	-	-	-	-	-	-60	-	-	-	0
ROSEDALE-RIO BRAVO	-	-	-	-	-	-133	-	-	-	-	-	193	-	-	-	-	-	-	-	-	-60	-	-	-	0
KR - LOWER RIVER/SWP EXC	-	-	-3,261	-	-	-1,782	-	-	-	-	-	-1,146	-	-	-945	-	-	-3,243	-	-	-416	-	-	-	-10,793
BELRIDGE	-	-	-260	-	-	-2	-	-	-	-	-	-309	-	-	-	-	-	-771	-	-	-	-	-	-	-1,342
BERRENDA MESA	-	-	-2,477	-	-	-462	-	-	-	-	-	-309	-	-	-371	-	-	-771	-	-	-53	-	-	-	-4,443
LOST HILLS	-	-	-223	-	-	-265	-	-	-	-	-	-273	-	-	-	-	-	-680	-	-	-5	-	-	-	-1,446
SEMITROPIC	-	-	-301	-	-	-1,053	-	-	-	-	-	-255	-	-	-574	-	-	-1,021	-	-	-358	-	-	-	-3,562
KR - LR/SWP EXC	-	-	-2,353	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-2,353
KERN COUNTY WATER AGENCY	-	-	-541	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-541
SEMITROPIC	-	-	-1,812	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1,812
KR - LOWER RIVER	-	-	-	-	-	-	-	-	-	-	-	541	-	-	-	-	-	-	-	-	-	-	-	-	541
KERN COUNTY WATER AGENCY	-	-	-	-	-	-	-	-	-	-	-	541	-	-	-	-	-	-	-	-	-	-	-	-	541
KR - BUENA VISTA	-	-	-1,522	-	-	-1,530	-	-	-900	-	-	5,633	-	-	1,966	-	-	-	-	-	-394	-	-	-	3,253
BUENA VISTA	-	-	-1,522	-	-	-1,530	-	-	-900	-	-	5,633	-	-	1,966	-	-	-	-	-	-394	-	-	-	3,253
KR - BV /SWP EXC	-	-	-1,797	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1,797
BUENA VISTA	-	-	-1,797	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1,797
KR - BV / KD - SWP EXC	-	-	-	-	-	-1,559	-	-	-	-	-	-955	-	-	-1,052	-	-	-6,888	-	-	-842	-	-	-	-11,296
KERN DELTA	-	-	-	-	-	-1,559	-	-	-	-	-	-955	-	-	-1,052	-	-	-6,888	-	-	-842	-	-	-	-11,296
KR - RRB/ID4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
IMPROVEMENT DISTRICT 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
TOTAL	**17,531**	**-10,745**	**-8,933**	**-77,202**	**-41,204**	**-5,004**	**-17,697**	**22,354**	**-900**	**86,213**	**47,692**	**4,266**	**1,516**	**-1,013**	**-31**	**14,635**	**-7,134**	**-10,131**	**1,258**	**-15,667**	**-1,712**	**0**	**0**	**0**	**-1,908**

2005 SPREADING PROGRAM

6% LOSSES

AFTER ADJUSTMENT FOR LEGAL SOURCE AND LOCATION

(QUANTITIES ACRE-FEET)

YEAR: **2005**

DISTRICT	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY			KERN RIVER CHANNEL			POSO CREEK			SUBTOTAL			TOTAL
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	
BELRIDGE	220	12	-	-	-	-	-	-	-	1,882	199	-	30	25	-	-	-	-	2,132	236	-	**2,369**
BERRENDA MESA	1,323	183	-	-	-	-	-	-	-	1,104	217	-	8	27	-	-	-	-	2,435	427	-	**2,862**
BUENA VISTA	-	-	-	-	-	-	-	-	-	-	-	785	-	-	165	-	-	-	-	-	950	**950**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
DUDLEY RIDGE	-	-	-	-	-	-	942	293	-	-	-	-	-	-	-	-	-	-	942	293	-	**1,235**
HENRY MILLER	-	-	-	-	-	-	-	-	-	442	104	-	-	36	-	-	-	-	442	140	-	**582**
IMPROVEMENT DISTRICT 4	-	-	-	-	-	-	2,132	84	-	298	-	-	3	-	-	-	-	-	2,433	84	-	**2,517**
KCWA	-	-	-	-	-	-	-	-	-	308	-	43	5	-	5	-	-	-	313	-	48	**360**
KERN DELTA	-	-	-	-	-	-	-	-	-	755	-	-	51	-	-	-	-	-	805	-	-	**805**
LOST HILLS	135	34	-	-	-	-	-	-	-	1,236	201	-	0	26	-	-	-	-	1,371	261	-	**1,631**
ROSEDALE-RIO BRAVO	-	-	-	-	-	-	-	-	-	-	1,290	12	-	245	-	-	-	-	-	1,534	12	**1,546**
SEMITROPIC	-	-	-	-	-	-	5,175	251	-	1,106	388	-	33	52	-	-	-	-	6,315	691	-	**7,006**
TEJON-CASTAC	-	-	-	-	-	-	203	19	-	19	-	-	0	-	-	-	-	-	222	19	-	**241**
WEST KERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WESTSIDE MUTUAL	-	-	-	-	-	-	5,548	1,344	-	-	-	-	-	-	-	-	-	-	5,548	1,344	-	**6,892**
WHEELER RIDGE-MARICOPA	-	59	-	-	-	-	4,583	834	-	1,456	354	-	-	48	-	-	-	-	6,039	1,294	-	**7,333**
TOTAL	**1,677**	**288**	**0**	**0**	**0**	**0**	**18,583**	**2,825**	**0**	**8,605**	**2,754**	**839**	**130**	**458**	**170**	**0**	**0**	**0**	**28,996**	**6,324**	**1,009**	**36,328**

2005 SPREADING PROGRAM

BANKING DELIVERIES SUMMARY

ADJUSTED FOR LEGAL SOURCE AND LOCATION AFTER 6% LOSSES

(QUANTITIES ACRE-FEET)

YEAR: **2005**

DISTRICT	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY			KERN RIVER CHANNEL			POSO CREEK			SUBTOTAL			
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
BELRIDGE	3,439	186	-	-	-	-	-	-	-	29,490	3,124	-	478	392	-	-	-	-	33,407	3,702	-	**37,108**
BERRENDA MESA	20,731	2,871	-	-	-	-	-	-	-	17,293	3,403	-	118	415	-	-	-	-	38,142	6,689	-	**44,831**
BUENA VISTA	-	-	-	-	-	-	-	-	-	-	-	12,295	-	-	2,581	-	-	-	-	-	14,876	**14,876**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
DUDLEY RIDGE	-	-	-	-	-	-	14,752	4,588	-	-	-	-	-	-	-	-	-	-	14,752	4,588	-	**19,341**
HENRY MILLER	-	-	-	-	-	-	-	-	-	6,932	1,634	-	-	558	-	-	-	-	6,932	2,192	-	**9,124**
IMPROVEMENT DISTRICT 4	-	-	-	-	-	-	33,406	1,321	-	4,670	-	-	41	-	-	-	-	-	38,117	1,321	-	**39,438**
KCWA	-	-	-	-	-	-	-	-	-	4,820	-	669	80	-	77	-	-	-	4,900	-	746	**5,647**
KERN DELTA	-	-	-	-	-	-	-	-	-	11,822	-	-	791	-	-	-	-	-	12,614	-	-	**12,614**
LOST HILLS	2,109	529	-	-	-	-	-	-	-	19,359	3,144	-	5	409	-	-	-	-	21,473	4,082	-	**25,556**
ROSEDALE-RIO BRAVO	-	-	-	-	-	-	-	-	-	-	20,206	181	-	3,831	-	-	-	-	-	24,037	181	**24,218**
SEMITROPIC	-	-	-	-	-	-	81,078	3,930	-	17,325	6,086	-	525	812	-	-	-	-	98,927	10,828	-	**109,755**
TEJON-CASTAC	-	-	-	-	-	-	3,175	302	-	290	-	-	6	-	-	-	-	-	3,471	302	-	**3,773**
WEST KERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WESTSIDE MUTUAL	-	-	-	-	-	-	86,923	21,056	-	-	-	-	-	-	-	-	-	-	86,923	21,056	-	**107,979**
WHEELER RIDGE-MARICOPA	-	918	-	-	-	-	71,804	13,064	-	22,803	5,544	-	-	751	-	-	-	-	94,607	20,278	-	**114,885**
TOTAL	**26,280**	**4,504**	**0**	**0**	**0**	**0**	**291,138**	**44,261**	**0**	**134,805**	**43,140**	**13,146**	**2,044**	**7,168**	**2,658**	**0**	**0**	**0**	**454,266**	**99,074**	**15,804**	**569,145**

2005 SPREADING PROGRAM

4% RESERVE

AFTER ADJUSTMENT FOR LEGAL SOURCE AND LOCATION AND 6% LOSSES

(QUANTITIES ACRE-FEET)

YEAR: **2005**

	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY			KERN RIVER CHANNEL			POSO CREEK			SUBTOTAL			
DISTRICT	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
BELRIDGE	138	7	-	-	-	-	-	-	-	1,180	125	-	19	16	-	-	-	-	1,336	148	-	**1,484**
BERRENDA MESA	829	115	-	-	-	-	-	-	-	692	136	-	5	17	-	-	-	-	1,526	268	-	**1,793**
BUENA VISTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
DUDLEY RIDGE	-	-	-	-	-	-	590	184	-	-	-	-	-	-	-	-	-	-	590	184	-	**774**
HENRY MILLER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
IMPROVEMENT DISTRICT 4	-	-	-	-	-	-	1,336	53	-	187	-	-	2	-	-	-	-	-	1,525	53	-	**1,578**
KCWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KERN DELTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
LOST HILLS	84	21	-	-	-	-	-	-	-	774	126	-	0	16	-	-	-	-	859	163	-	**1,022**
ROSEDALE-RIO BRAVO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SEMITROPIC	-	-	-	-	-	-	3,243	157	-	693	243	-	21	32	-	-	-	-	3,957	433	-	**4,390**
TEJON-CASTAC	-	-	-	-	-	-	127	12	-	12	-	-	0	-	-	-	-	-	139	12	-	**151**
WEST KERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WESTSIDE MUTUAL	-	-	-	-	-	-	3,477	842	-	-	-	-	-	-	-	-	-	-	3,477	842	-	**4,319**
WHEELER RIDGE-MARICOPA	-	37	-	-	-	-	2,872	523	-	912	222	-	-	30	-	-	-	-	3,784	811	-	**4,595**
TOTAL	**1,051**	**180**	**0**	**0**	**0**	**0**	**11,646**	**1,770**	**0**	**4,449**	**852**	**0**	**47**	**111**	**0**	**0**	**0**	**0**	**17,193**	**2,914**	**0**	**20,107**

2005 SPREADING PROGRAM

BANKING DELIVERIES SUMMARY

ADJUSTED FOR LEGAL SOURCE AND LOCATION AFTER 6% LOSSES AND 4% RESERVE CALCULATIONS

(QUANTITIES IN ACRE-FEET)

YEAR: **2005**

	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY			KERN RIVER CHANNEL			POSO CREEK			SUBTOTAL			
DISTRICT	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
BELRIDGE	3,302	179	-	-	-	-	-	-	-	28,310	2,999	-	458	376	-	-	-	-	32,070	3,554	-	**35,624**
BERRENDA MESA	19,902	2,756	-	-	-	-	-	-	-	16,601	3,267	-	114	399	-	-	-	-	36,617	6,421	-	**43,038**
BUENA VISTA	-	-	-	-	-	-	-	-	-	-	-	12,295	-	-	2,581	-	-	-	-	-	14,876	**14,876**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
DUDLEY RIDGE	-	-	-	-	-	-	14,162	4,405	-	-	-	-	-	-	-	-	-	-	14,162	4,405	-	**18,567**
HENRY MILLER	-	-	-	-	-	-	-	-	-	6,932	1,634	-	-	558	-	-	-	-	6,932	2,192	-	**9,124**
ID4	-	-	-	-	-	-	32,069	1,268	-	4,483	-	-	40	-	-	-	-	-	36,592	1,268	-	**37,860**
KCWA	-	-	-	-	-	-	-	-	-	4,820	-	669	80	-	77	-	-	-	4,900	-	746	**5,647**
KERN DELTA	-	-	-	-	-	-	-	-	-	11,822	-	-	791	-	-	-	-	-	12,614	-	-	**12,614**
LOST HILLS	2,025	508	-	-	-	-	-	-	-	18,585	3,019	-	5	393	-	-	-	-	20,614	3,919	-	**24,534**
ROSEDALE-RIO BRAVO	-	-	-	-	-	-	-	-	-	-	20,206	181	-	3,831	-	-	-	-	-	24,037	181	**24,218**
SEMITROPIC	-	-	-	-	-	-	77,835	3,773	-	16,632	5,842	-	504	780	-	-	-	-	94,970	10,395	-	**105,365**
TEJON-CASTAC	-	-	-	-	-	-	3,048	290	-	279	-	-	5	-	-	-	-	-	3,333	290	-	**3,622**
WEST KERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WESTSIDE MUTUAL	-	-	-	-	-	-	83,446	20,214	-	-	-	-	-	-	-	-	-	-	83,446	20,214	-	**103,660**
WHEELER RIDGE-MARICOPA	-	882	-	-	-	-	68,932	12,542	-	21,891	5,322	-	-	721	-	-	-	-	90,823	19,467	-	**110,290**
TOTAL	**25,228**	**4,324**	**0**	**0**	**0**	**0**	**279,492**	**42,490**	**0**	**130,356**	**42,288**	**13,146**	**1,997**	**7,057**	**2,658**	**0**	**0**	**0**	**437,073**	**96,160**	**15,804**	**549,038**

2006 SPREADING PROGRAM

WATER DELIVERIES BY PHYSICAL SOURCE AND LOCATION

(QUANTITIES ACRE-FEET)

YEAR: **2006**

DISTRICT	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY NORTH			PIONEER PROPERTY CENTRAL			PIONEER PROPERTY SOUTH			KERN RIVER CHANNEL			POSO CREEK			SUBTOTAL			
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
BELRIDGE	2,791	504	770	7,966	81	678	26,260	662	4,412	2,979	123	-	1,463	36	-	2,382	75	-	-	9	-	-	-	-	**43,841**	**1,490**	**5,860**	**51,191**
BERRENDA MESA	9,500	2,188	3,914	7,403	81	624	13,313	662	-	2,238	123	-	1,062	36	-	1,982	75	-	-	9	-	-	-	-	**35,498**	**3,174**	**4,538**	**43,210**
BUENA VISTA	-	-	-	576	185	-	923	1,566	6,437	239	325	845	91	274	559	192	423	786	-	1	167	-	-	-	**2,021**	**2,774**	**8,794**	**13,589**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**	**-**	**0**
DUDLEY RIDGE	-	-	-	-	-	-	5,670	3,508	4,443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**5,670**	**3,508**	**4,443**	**13,621**
HENRY MILLER	-	-	-	-	18	-	-	-	-	-	252	845	-	261	561	-	385	786	-	-	-	-	-	-	**-**	**916**	**2,192**	**3,108**
IMPROVEMENT DISTRICT 4	-	-	-	4,073	-	122	16,422	3,454	5,393	1,596	3	-	835	183	-	1,392	2	-	-	-	-	-	-	-	**24,318**	**3,642**	**5,515**	**33,475**
KCWA	-	-	-	-	-	923	-	-	-	-	330	1,256	-	344	822	-	509	1,156	-	-	-	-	-	-	**-**	**1,183**	**4,157**	**5,340**
KERN DELTA	-	-	1,982	1,036	222	3,150	-	-	-	492	1,111	1,892	191	529	1,983	338	926	2,380	-	77	369	-	-	-	**2,057**	**2,865**	**11,756**	**16,678**
LOST HILLS	2,498	435	673	7,650	76	598	47,292	661	-	2,770	120	-	1,327	33	-	2,223	72	-	-	9	-	-	-	-	**63,760**	**1,406**	**1,271**	**66,437**
ROSEDALE-RIO BRAVO	-	-	-	1,156	464	875	-	-	-	936	2,064	1,171	1,324	808	747	572	1,508	1,124	-	162	-	-	-	-	**3,988**	**5,006**	**3,917**	**12,911**
SEMITROPIC	-	-	-	4,328	71	-	10,287	1,365	3,606	1,879	103	-	745	30	-	1,979	62	-	-	8	-	-	-	-	**19,218**	**1,639**	**3,606**	**24,463**
TEJON-CASTAC	-	-	-	45	-	-	3,505	770	931	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**3,550**	**770**	**931**	**5,251**
WEST KERN	-	-	-	-	-	-	8,395	721	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**8,395**	**721**	**-**	**9,116**
WESTSIDE MUTUAL	-	-	-	-	-	-	6,489	17,260	28,564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**6,489**	**17,260**	**28,564**	**52,313**
WHEELER RIDGE-MARICOPA	-	293	681	4,606	129	-	39,509	9,615	11,138	2,370	193	-	1,141	54	-	1,734	116	-	-	14	-	-	-	-	**49,360**	**10,414**	**11,819**	**71,593**
TOTAL	**14,789**	**3,420**	**8,020**	**38,839**	**1,327**	**6,970**	**178,065**	**40,244**	**64,924**	**15,499**	**4,747**	**6,009**	**8,179**	**2,588**	**4,672**	**12,794**	**4,153**	**6,232**	**0**	**289**	**536**	**0**	**0**	**0**	**268,165**	**56,768**	**97,363**	**422,296**

TYPE OF WATER	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY NORTH			PIONEER PROPERTY CENTRAL			PIONEER PROPERTY SOUTH			KERN RIVER CHANNEL			POSO CREEK			
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
SWP - CARRYOVER	**108**	**-**	**-**	**454**	**-**	**-**	**-**	**-**	**-**	**198**	**-**	**-**	**102**	**-**	**-**	**43**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**905**
BELRIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
BERRENDA MESA	108	-	-	158	-	-	-	-	-	59	-	-	102	-	-	43	-	-	-	-	-	-	-	-	**470**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
DUDLEY RIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
ID4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KERN DELTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
LOST HILLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
ROSEDALE-RIO BRAVO	-	-	-	296	-	-	-	-	-	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**435**
SEMITROPIC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SEMITROPIC BANKERS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
TEJON-CASTAC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WESTSIDE MUTUAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WHEELER RIDGE-MARICOPA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SWP - TABLE A	**7,555**	**-**	**-**	**23,489**	**-**	**-**	**97,572**	**-**	**-**	**8,117**	**-**	**-**	**5,334**	**-**	**-**	**6,413**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**148,480**
BELRIDGE	1,467	-	-	5,118	-	-	13,659	-	-	1,787	-	-	1,038	-	-	1,157	-	-	-	-	-	-	-	-	**24,226**
BERRENDA MESA	4,694	-	-	4,646	-	-	2,690	-	-	1,192	-	-	653	-	-	856	-	-	-	-	-	-	-	-	**14,731**
BUENA VISTA	-	-	-	-	-	-	621	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**621**
DUDLEY RIDGE	-	-	-	-	-	-	1,593	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**1,593**
HENRY MILLER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
ID4	-	-	-	2,743	-	-	8,609	-	-	1,093	-	-	684	-	-	663	-	-	-	-	-	-	-	-	**13,792**
KERN COUNTY WATER AGENCY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KERN DELTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
LOST HILLS	1,394	-	-	4,919	-	-	34,758	-	-	1,623	-	-	910	-	-	1,046	-	-	-	-	-	-	-	-	**44,650**
ROSEDALE-RIO BRAVO	-	-	-	932	-	-	-	-	-	317	-	-	1,027	-	-	394	-	-	-	-	-	-	-	-	**2,670**
SEMITROPIC	-	-	-	2,665	-	-	10,259	-	-	859	-	-	327	-	-	1,349	-	-	-	-	-	-	-	-	**15,459**
TEJON-CASTAC	-	-	-	45	-	-	2,224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**2,269**
WEST KERN	-	-	-	-	-	-	4,479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**4,479**
WESTSIDE MUTUAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WHEELER RIDGE-MARICOPA	-	-	-	2,421	-	-	18,680	-	-	1,246	-	-	695	-	-	948	-	-	-	-	-	-	-	-	**23,990**
SWP - ARTICLE 21	**7,126**	**-**	**-**	**14,471**	**-**	**-**	**78,132**	**-**	**-**	**5,726**	**-**	**-**	**2,743**	**-**	**-**	**6,338**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**114,536**
BELRIDGE	1,324	-	-	2,578	-	-	13,703	-	-	968	-	-	425	-	-	1,225	-	-	-	-	-	-	-	-	**20,223**
BERRENDA MESA	4,698	-	-	1,999	-	-	11,586	-	-	829	-	-	307	-	-	1,083	-	-	-	-	-	-	-	-	**20,502**
BUENA VISTA	-	-	-	576	-	-	-	-	-	239	-	-	91	-	-	192	-	-	-	-	-	-	-	-	**1,098**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
DUDLEY RIDGE	-	-	-	-	-	-	4,077	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**4,077**
HENRY MILLER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
ID4	-	-	-	1,330	-	-	7,595	-	-	503	-	-	151	-	-	729	-	-	-	-	-	-	-	-	**10,308**
KCWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KERN DELTA	-	-	-	969	-	-	-	-	-	408	-	-	191	-	-	338	-	-	-	-	-	-	-	-	**1,906**
LOST HILLS	1,104	-	-	2,469	-	-	16,063	-	-	929	-	-	417	-	-	1,177	-	-	-	-	-	-	-	-	**22,159**

										PIONEER PROPERTY															
	BERRENDA MESA			2800 ACRES			KERN WATER BANK			NORTH			CENTRAL			SOUTH			KERN RIVER CHANNEL			POSO CREEK			
TYPE OF WATER	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
ROSEDALE-RIO BRAVO	-	-	-	313	-	-	-	-	-	95	-	-	297	-	-	178	-	-	-	-	-	-	-	-	883
SEMITROPIC	-	-	-	1,899	-	-	-	-	-	784	-	-	418	-	-	630	-	-	-	-	-	-	-	-	3,731
TEJON-CASTAC	-	-	-	-	-	-	1,273	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,273
WEST KERN	-	-	-	-	-	-	2,408	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,408
WESTSIDE MUTUAL	-	-	-	-	-	-	697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	697
WHEELER RIDGE-MARICOPA	-	-	-	2,338	-	-	20,730	-	-	971	-	-	446	-	-	786	-	-	-	-	-	-	-	-	25,271
SWP/FK FLOOD EXCHANGE	**-**	**-**	**-**	**-**	**-**	**-**	**373**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**373**
DUDLEY RIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
ID4	-	-	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
SEMITROPIC	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
TEJON-CASTAC	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
WESTSIDE MUTUAL	-	-	-	-	-	-	198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	198
WHEELER RIDGE-MARICOPA	-	-	-	-	-	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99
SWP/KR KERN DELTA EXCHANGE	**-**	**-**	**-**	**1,883**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,883**
BELRIDGE	-	-	-	550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	550
BERRENDA MESA	-	-	-	798	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	798
LOST HILLS	-	-	-	535	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	535
SWP/KR WD/BV EXCHANGE	**-**	**-**	**-**	**-**	**-**	**-**	**1,508**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1,508**
WEST KERN	-	-	-	-	-	-	1,508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,508
SWP - LOWER RIVER - EXCHANGE	**-**	**-**	**-**	**-**	**-**	**-**	**480**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**480**
ID4	-	-	-	-	-	-	178	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	178
BUENA VISTA	-	-	-	-	-	-	302	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	302
FK - SECTION 215	**-**	**1,772**	**-**	**-**	**3,514**	**-**	**-**	**18,227**	**-**	**-**	**1,239**	**-**	**-**	**1,212**	**-**	**-**	**2,119**	**-**	**-**	**289**	**-**	**-**	**-**	**-**	**28,372**
BELRIDGE	-	315	-	-	151	-	-	3,134	-	-	53	-	-	36	-	-	75	-	-	9	-	-	-	-	3,773
BERRENDA MESA	-	1,185	-	-	151	-	-	3,134	-	-	53	-	-	36	-	-	75	-	-	9	-	-	-	-	4,643
BUENA VISTA	-	-	-	-	194	-	-	-	-	-	69	-	-	15	-	-	42	-	-	1	-	-	-	-	321
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
DUDLEY RIDGE	-	-	-	-	-	-	-	1,559	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,559
HENRY MILLER	-	-	-	-	18	-	-	-	-	-	4	-	-	3	-	-	4	-	-	-	-	-	-	-	29
ID4	-	-	-	-	2	-	-	1,485	-	-	1	-	-	183	-	-	2	-	-	-	-	-	-	-	1,673
KCWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
KERN DELTA	-	-	-	-	808	-	-	-	-	-	277	-	-	271	-	-	545	-	-	77	-	-	-	-	1,978
LOST HILLS	-	272	-	-	144	-	-	3,134	-	-	52	-	-	33	-	-	72	-	-	9	-	-	-	-	3,716
ROSEDALE-RIO BRAVO	-	-	-	-	1,680	-	-	-	-	-	600	-	-	551	-	-	1,126	-	-	162	-	-	-	-	4,119
SEMITROPIC	-	-	-	-	128	-	-	-	-	-	46	-	-	30	-	-	62	-	-	8	-	-	-	-	274
TEJON-CASTAC	-	-	-	-	-	-	-	361	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	361
WEST KERN	-	-	-	-	-	-	-	721	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	721
WESTSIDE MUTUAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
WHEELER RIDGE-MARICOPA	-	-	-	-	238	-	-	4,699	-	-	84	-	-	54	-	-	116	-	-	14	-	-	-	-	5,205
FK - FLOOD	**-**	**1,648**	**-**	**-**	**-**	**-**	**-**	**22,017**	**-**	**-**	**1,321**	**-**	**-**	**1,376**	**-**	**-**	**2,034**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**28,396**
BELRIDGE	-	189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	189
BERRENDA MESA	-	1,003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,003
BUENA VISTA	-	-	-	-	-	-	-	1,566	-	-	247	-	-	259	-	-	381	-	-	-	-	-	-	-	2,453
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
DUDLEY RIDGE	-	-	-	-	-	-	-	1,949	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,949
HENRY MILLER	-	-	-	-	-	-	-	-	-	-	248	-	-	258	-	-	381	-	-	-	-	-	-	-	887
ID4	-	-	-	-	-	-	-	1,969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,969
KCWA	-	-	-	-	-	-	-	-	-	-	330	-	-	344	-	-	509	-	-	-	-	-	-	-	1,183
KERN DELTA	-	-	-	-	-	-	-	-	-	-	248	-	-	258	-	-	381	-	-	-	-	-	-	-	887
LOST HILLS	-	163	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	163
ROSEDALE-RIO BRAVO	-	-	-	-	-	-	-	-	-	-	248	-	-	257	-	-	382	-	-	-	-	-	-	-	887
SEMITROPIC	-	-	-	-	-	-	-	1,365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,365
TEJON-CASTAC	-	-	-	-	-	-	-	409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	409
WEST KERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
WESTSIDE MUTUAL	-	-	-	-	-	-	-	9,843	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,843
WHEELER RIDGE-MARICOPA	-	293	-	-	-	-	-	4,916	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,209
KR	**-**	**-**	**250**	**-**	**-**	**3,150**	**-**	**-**	**490**	**-**	**-**	**1,048**	**-**	**-**	**1,422**	**-**	**-**	**1,594**	**-**	**-**	**536**	**-**	**-**	**-**	**8,490**
BUENA VISTA	-	-	-	-	-	-	-	-	490	-	-	-	-	-	-	-	-	-	-	-	167	-	-	-	657
KERN DELTA	-	-	250	-	-	3,150	-	-	-	-	-	1,048	-	-	1,422	-	-	1,594	-	-	369	-	-	-	7,833
KR - CITY MISCELLANEOUS	**-**	**-**	**638**	**-**	**-**	**-**	**-**	**-**	**6,282**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6,920**
BELRIDGE	-	-	113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	113
BERRENDA MESA	-	-	425	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	425
LOST HILLS	-	-	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100
WESTSIDE MUTUAL	-	-	-	-	-	-	-	-	6,282	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,282
KR-CITY OBLIGATION	**-**	**-**	**-**	**-**	**-**	**875**	**-**	**-**	**-**	**-**	**-**	**327**	**-**	**-**	**187**	**-**	**-**	**338**	**-**	**-**	**-**	**-**	**-**	**-**	**1,727**
ROSEDALE-RIO BRAVO	-	-	-	-	-	875	-	-	-	-	-	327	-	-	187	-	-	338	-	-	0	0	-	-	1,727

TYPE OF WATER	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY NORTH			PIONEER PROPERTY CENTRAL			PIONEER PROPERTY SOUTH			KERN RIVER CHANNEL			POSO CREEK			TOTAL
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	
KR-MANDATORY RELEASE	-	-	3,822	-	-	-	-	-	50,720	-	-	4,504	-	-	2,990	-	-	4,191	-	-	-	-	-	-	66,227
BELRIDGE	-	-	437	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	437
BERRENDA MESA	-	-	2,327	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,327
BUENA VISTA	-	-	-	-	-	-	-	-	4,371	-	-	845	-	-	559	-	-	786	-	-	-	-	-	-	6,561
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
DUDLEY RIDGE	-	-	-	-	-	-	-	-	4,443	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,443
HENRY MILLER	-	-	-	-	-	-	-	-	-	-	-	845	-	-	561	-	-	786	-	-	-	-	-	-	2,192
ID4	-	-	-	-	-	-	-	-	4,462	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,462
KCWA	-	-	-	-	-	-	-	-	-	-	-	1,126	-	-	749	-	-	1,047	-	-	-	-	-	-	2,922
KERN DELTA	-	-	-	-	-	-	-	-	-	-	-	844	-	-	561	-	-	786	-	-	-	-	-	-	2,191
LOST HILLS	-	-	377	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	377
ROSEDALE-RIO BRAVO	-	-	-	-	-	-	-	-	-	-	-	844	-	-	560	-	-	786	-	-	-	-	-	-	2,190
SEMITROPIC	-	-	-	-	-	-	-	-	3,093	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,093
TEJON-CASTAC	-	-	-	-	-	-	-	-	931	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	931
WEST KERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
WESTSIDE MUTUAL	-	-	-	-	-	-	-	-	22,282	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22,282
WHEELER RIDGE-MARICOPA	-	-	681	-	-	-	-	-	11,138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11,819
KR - LOWER RIVER BV/SWP EXCHANGE	-	-	-	-	-	302	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	302
BELRIDGE	-	-	-	-	-	209	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	209
LOST HILLS	-	-	-	-	-	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93
KR/SWP BV/WD EXCHANGE	-	-	-	-	-	-	-	-	1,508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,508
BUENA VISTA	-	-	-	-	-	-	-	-	1,508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,508
KR - LOWER RIVER	-	-	1,122	-	-	1,669	-	-	259	-	-	130	-	-	73	-	-	109	-	-	-	-	-	-	3,362
BERRENDA MESA	-	-	1,122	-	-	624	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,746
BUENA VISTA	-	-	-	-	-	-	-	-	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68
KCWA	-	-	-	-	-	923	-	-	-	-	-	130	-	-	73	-	-	109	-	-	-	-	-	-	1,235
ID4	-	-	-	-	-	122	-	-	191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	313
KR - LOWER RIVER KCWA/SWP EXC	-	-	218	-	-	883	-	-	5,665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,766
BELRIDGE	-	-	117	-	-	469	-	-	4,412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,998
ID4	-	-	-	-	-	-	-	-	740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	740
LOST HILLS	-	-	101	-	-	414	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	515
SEMITROPIC	-	-	-	-	-	-	-	-	513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	513
WESTSIDE MUTUAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
KR - KERN DELTA/SWP EXCHANGE	-	-	1,883	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,883
KERN DELTA	-	-	1,883	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,883
KR - LOWER RIVER ID4/SWP EXCHANGE	-	-	87	-	-	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	178
BELRIDGE	-	-	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47
LOST HILLS	-	-	40	-	-	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131
TOTAL	14,789	3,420	8,020	40,297	3,514	6,970	178,065	40,244	64,924	14,041	2,560	6,009	8,179	2,588	4,672	12,794	4,153	6,232	0	289	536	0	0	0	422,296

2006 SPREADING PROGRAM

CHANGE TABLE

PHYSICAL SOURCE AND LOCATION TO LEGAL SOURCE AND LOCATION ADJUSTMENT

(QUANTITIES ACRE-FEET)

YEAR: **2006**

DISTRICT	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY NORTH			PIONEER PROPERTY CENTRAL			PIONEER PROPERTY SOUTH			KERN RIVER CHANNEL			POSO CREEK			SUBTOTAL			
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	Total
BELRIDGE	714	-	-220	-7,966	-81	-678	-26,260	-662	-4,412	7,695	81	-	-	-	-	-	-	-	-	-	-	-	-	-	**-25,817**	**-662**	**-5,310**	**-31,789**
BERRENDA MESA	1,920	-	-1,162	-7,403	-81	-624	-13,313	-662	-	6,933	81	-	-	-	-	-	-	-	-	-	-	-	-	-	**-11,863**	**-662**	**-1,786**	**-14,311**
BUENA VISTA	-	-	-	-576	-185	-	-302	-	-1,206	576	185	-	-	-	-	-	-	-	-	-	-	-	-	-	**-302**	**-**	**-1,206**	**-1,508**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**	**-**	**0**
DUDLEY RIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**	**-**	**0**
HENRY MILLER	-	-	-	-	-18	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**	**-**	**0**
ID4	-	-	-	-4,073	-	-122	1,204	40	-931	3,882	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**1,013**	**40**	**-1,053**	**0**
KCWA	-	-	-	-	-	-923	-	-	-	-	-	923	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**	**-**	**0**
KERN DELTA	-	-	-1,982	-1,036	-222	-3,150	-	-	-	6,942	222	-655	1,595	-	-1,345	1,418	-	-1,418	-	-	-369	-	-	-	**8,919**	**-**	**-8,919**	**0**
LOST HILLS	676	-	-196	-7,650	-76	-598	-47,292	-661	-	7,301	76	-	-	-	-	-	-	-	-	-	-	-	-	-	**-46,965**	**-661**	**-794**	**-48,420**
ROSEDALE-RIO BRAVO	-	-	-	-1,156	-464	-875	-	-	-	1,156	464	875	-	-	-	-	-	-	-	-	-	-	-	-	**-**	**-**	**-**	**0**
SEMITROPIC	-	-	-	-4,328	-71	-	759	28	-513	4,054	71	-	-	-	-	-	-	-	-	-	-	-	-	-	**485**	**28**	**-513**	**0**
TEJON-CASTAC	-	-	-	-45	-	-	37	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-8**	**8**	**-**	**0**
WEST KERN	-	-	-	-	-	-	-191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-191**	**-**	**-**	**-191**
WESTSIDE MUTUAL	-	-	-	-	-	-	92,337	2,183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**92,337**	**2,183**	**-**	**94,520**
WHEELER RIDGE-MARICOPA	-	-	-	-4,606	-129	-	252	99	-	4,255	129	-	-	-	-	-	-	-	-	-	-	-	-	-	**-99**	**99**	**-**	**0**
TOTAL	**3,310**	**0**	**-3,560**	**-38,839**	**-1,327**	**-6,970**	**7,231**	**373**	**-7,062**	**42,794**	**1,327**	**1,143**	**1,595**	**0**	**-1,345**	**1,418**	**0**	**-1,418**	**0**	**0**	**-369**	**0**	**0**	**0**	**17,509**	**373**	**-19,581**	**-1,699**

TYPE OF WATER	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY NORTH			PIONEER PROPERTY CENTRAL			PIONEER PROPERTY SOUTH			KERN RIVER CHANNEL			POSO CREEK			
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
SWP - CARRYOVER	**-**	**-**	**-**	**-454**	**-**	**-**	**-**	**-**	**-**	**454**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0**
BELRIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
BERRENDA MESA	-	-	-	-158	-	-	-	-	-	158	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
DUDLEY RIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
ID4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KERN DELTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
LOST HILLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
ROSEDALE-RIO BRAVO	-	-	-	-296	-	-	-	-	-	296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SEMITROPIC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SEMITROPIC BANKERS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
TEJON-CASTAC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WESTSIDE MUTUAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WHEELER RIDGE-MARICOPA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SWP - TABLE A	**3,310**	**-**	**-**	**-23,489**	**-**	**-**	**9,592**	**-**	**-**	**29,348**	**-**	**-**	**1,595**	**-**	**-**	**1,418**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**21,774**
BELRIDGE	714	-	-	-5,118	-	-	-13,659	-	-	5,341	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-12,722**
BERRENDA MESA	1,920	-	-	-4,646	-	-	-2,690	-	-	4,934	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-482**
BUENA VISTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
DUDLEY RIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
HENRY MILLER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
ID4	-	-	-	-2,743	-	-	1,422	-	-	2,573	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**1,252**
KERN COUNTY WATER AGENCY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KERN DELTA	-	-	-	-	-	-	-	-	-	6,057	-	-	1,595	-	-	1,418	-	-	-	-	-	-	-	-	**9,070**
LOST HILLS	676	-	-	-4,919	-	-	-34,758	-	-	5,050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-33,951**
ROSEDALE-RIO BRAVO	-	-	-	-932	-	-	-	-	-	932	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SEMITROPIC	-	-	-	-2,665	-	-	787	-	-	2,391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**513**
TEJON-CASTAC	-	-	-	-45	-	-	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WEST KERN	-	-	-	-	-	-	1,317	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**1,317**
WESTSIDE MUTUAL	-	-	-	-	-	-	56,777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**56,777**
WHEELER RIDGE-MARICOPA	-	-	-	-2,421	-	-	351	-	-	2,070	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**

TYPE OF WATER	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY NORTH			PIONEER PROPERTY CENTRAL			PIONEER PROPERTY SOUTH			KERN RIVER CHANNEL			POSO CREEK			TOTAL
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	
SWP - ARTICLE 21	-	-	-	**-14,471**	-	-	-	-	-	**14,450**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-21**
BELRIDGE	-	-	-	-2,578	-	-	-13,703	-	-	2,578	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-13,703**
BERRENDA MESA	-	-	-	-1,999	-	-	-11,586	-	-	1,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-11,586**
BUENA VISTA	-	-	-	-576	-	-	-	-	-	576	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
DUDLEY RIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
HENRY MILLER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
ID4	-	-	-	-1,330	-	-	-	-	-	1,309	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-21**
KCWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KERN DELTA	-	-	-	-969	-	-	-	-	-	969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
LOST HILLS	-	-	-	-2,469	-	-	-16,063	-	-	2,469	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-16,063**
ROSEDALE-RIO BRAVO	-	-	-	-313	-	-	-	-	-	313	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SEMITROPIC	-	-	-	-1,899	-	-	-	-	-	1,899	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
TEJON-CASTAC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WEST KERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WESTSIDE MUTUAL	-	-	-	-	-	-	41,352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**41,352**
WHEELER RIDGE-MARICOPA	-	-	-	-2,338	-	-	-	-	-	2,338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SWP/FK FLOOD EXCHANGE	-	-	-	-	-	-	**-373**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-373**
DUDLEY RIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
ID4	-	-	-	-	-	-	-40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-40**
SEMITROPIC	-	-	-	-	-	-	-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-28**
TEJON-CASTAC	-	-	-	-	-	-	-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-8**
WESTSIDE MUTUAL	-	-	-	-	-	-	-198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-198**
WHEELER RIDGE-MARICOPA	-	-	-	-	-	-	-99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-99**
SWP/KR KERN DELTA EXCHANGE	-	-	-	**-1,883**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-1,883**
BELRIDGE	-	-	-	-550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-550**
BERRENDA MESA	-	-	-	-798	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-798**
LOST HILLS	-	-	-	-535	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-535**
SWP/KR WD/BV EXCHANGE	-	-	-	-	-	-	**-1,508**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-1,508**
WEST KERN	-	-	-	-	-	-	-1,508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-1,508**
SWP - LOWER RIVER - EXCHANGE	-	-	-	-	-	-	**-480**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-480**
ID4	-	-	-	-	-	-	-178	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-178**
BUENA VISTA	-	-	-	-	-	-	-302	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**-302**
FK - SECTION 215	-	-	-	-	**-3,514**	-	-	-	-	-	**3,514**	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
BELRIDGE	-	-	-	-	-151	-	-	-3,134	-	-	151	-	-	-	-	-	-	-	-	-	-	-	-	-	**-3,134**
BERRENDA MESA	-	-	-	-	-151	-	-	-3,134	-	-	151	-	-	-	-	-	-	-	-	-	-	-	-	-	**-3,134**
BUENA VISTA	-	-	-	-	-194	-	-	-	-	-	194	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
DUDLEY RIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
HENRY MILLER	-	-	-	-	-18	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
ID4	-	-	-	-	-2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KCWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KERN DELTA	-	-	-	-	-808	-	-	-	-	-	808	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
LOST HILLS	-	-	-	-	-144	-	-	-3,134	-	-	144	-	-	-	-	-	-	-	-	-	-	-	-	-	**-3,134**
ROSEDALE-RIO BRAVO	-	-	-	-	-1,680	-	-	-	-	-	1,680	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SEMITROPIC	-	-	-	-	-128	-	-	-	-	-	128	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
TEJON-CASTAC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WEST KERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WESTSIDE MUTUAL	-	-	-	-	-	-	-	9,402	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**9,402**
WHEELER RIDGE-MARICOPA	-	-	-	-	-238	-	-	-	-	-	238	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
FK - FLOOD	-	-	-	-	-	-	-	**373**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**373**
BELRIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
BERRENDA MESA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
BUENA VISTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
DUDLEY RIDGE	-	-	-	-	-	-	-	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**40**
HENRY MILLER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
ID4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KCWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
KERN DELTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
LOST HILLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
ROSEDALE-RIO BRAVO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SEMITROPIC	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**28**
TEJON-CASTAC	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**8**
WEST KERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**0**
WESTSIDE MUTUAL	-	-	-	-	-	-	-	198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**198**
WHEELER RIDGE-MARICOPA	-	-	-	-	-	-	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**99**

TYPE OF WATER	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY NORTH			PIONEER PROPERTY CENTRAL			PIONEER PROPERTY SOUTH			KERN RIVER CHANNEL			POSO CREEK			TOTAL
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	
KR	-	-	-250	-	-	-3,150	-	-	370	-	-	-655	-	-	-1,345	-	-	-1,418	-	-	-369	-	-	-	-6,817
BUENA VISTA	-	-	-	-	-	-	-	-	370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	370
KERN DELTA	-	-	-250	-	-	-3,150	-	-	-	-	-	-655	-	-	-1,345	-	-	-1,418	-	-	-369	-	-	-	-7,187
KR - CITY MISCELLANEOUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
BELRIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
BERRENDA MESA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
LOST HILLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
WESTSIDE MUTUAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
KR-CITY OBLIGATION	-	-	-	-	-	-875	-	-	-	-	-	875	-	-	-	-	-	-	-	-	-	-	-	-	0
ROSEDALE-RIO BRAVO	-	-	-	-	-	-875	-	-	-	-	-	875	-	-	-	-	-	-	-	-	0	0	-	-	0
KR-MANDATORY RELEASE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
BELRIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
BERRENDA MESA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
BUENA VISTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
DUDLEY RIDGE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
HENRY MILLER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
ID4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
KCWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
KERN DELTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
LOST HILLS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	15
ROSEDALE-RIO BRAVO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-15	-	-	-	-	-	-	-15
SEMITROPIC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
TEJON-CASTAC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
WEST KERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
WESTSIDE MUTUAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
WHEELER RIDGE-MARICOPA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
KR - LOWER RIVER BV/SWP EXCHAN	-	-	-	-	-	-302	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-302
BELRIDGE	-	-	-	-	-	-209	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-209
LOST HILLS	-	-	-	-	-	-93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-93
KR/SWP BV/WD EXCHANGE	-	-	-	-	-	-	-	-	-1,508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1,508
BUENA VISTA	-	-	-	-	-	-	-	-	-1,508	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1,508
KR - LOWER RIVER	-	-	-1,122	-	-	-1,669	-	-	-259	-	-	923	-	-	-	-	-	-	-	-	-	-	-	-	-2,127
BERRENDA	-	-	-1,122	-	-	-624	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1,746
BUENA VISTA	-	-	-	-	-	-	-	-	-68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-68
KCWA	-	-	-	-	-	-923	-	-	-	-	-	923	-	-	-	-	-	-	-	-	-	-	-	-	0
ID4	-	-	-	-	-	-122	-	-	-191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-313
KR - LOWER RIVER KCWA/SWP EXC	-	-	-218	-	-	-883	-	-	-5,665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-6,766
BELRIDGE	-	-	-117	-	-	-469	-	-	-4,412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-4,998
ID4	-	-	-	-	-	-	-	-	-740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-740
LOST HILLS	-	-	-101	-	-	-414	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-515
SEMITROPIC	-	-	-	-	-	-	-	-	-513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-513
WESTSIDE MUTUAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
KR - KERN DELTA/SWP EXCHANGE	-	-	-1,883	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1,883
KERN DELTA	-	-	-1,883	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-1,883
KR - LOWER RIVER ID4/SWP EXCHAN	-	-	-87	-	-	-91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-178
BELRIDGE	-	-	-47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-47
LOST HILLS	-	-	-40	-	-	-91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-131
TOTAL	3,310	0	-3,560	-40,297	-3,514	-6,970	7,231	373	-7,062	44,252	3,514	1,143	1,595	0	-1,345	1,418	0	-1,418	0	0	-369	0	0	0	-1,699

2006 SPREADING PROGRAM

6% LOSSES AFTER ADJUSTMENT FOR LEGAL SOURCE AND LOCATION

(QUANTITIES ACRE-FEET)

YEAR: **2006**

DISTRICT	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY			KERN RIVER CHANNEL			POSO CREEK			SUBTOTAL			
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
BELRIDGE	210	30	33	-	-	-	-	-	-	871	19	-	-	1	-	-	-	-	1,081	50	33	1,164
BERRENDA MESA...	685	131	165	-	-	-	-	-	-	733	19	-	-	1	-	-	-	-	1,418	151	165	1,734
BUENA VISTA	-	-	-	-	-	-	-	94	284	66	19	-	-	0	10	-	-	-	66	113	294	474
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
DUDLEY RIDGE	-	-	-	-	-	-	340	210	267	-	-	-	-	-	-	-	-	-	340	210	267	817
HENRY MILLER	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2	-	2
ID4	-	-	-	-	-	-	1,058	210	268	462	11	-	-	-	-	-	-	-	1,520	221	268	2,009
KCWA	-	-	-	-	-	-	-	-	-	-	-	74	-	-	-	-	-	-	-	-	74	74
KERN DELTA	-	-	-	-	-	-	-	-	-	447	104	-	-	5	-	-	-	-	447	108	-	555
LOST HILLS	190	26	29	-	-	-	-	-	-	817	18	-	-	1	-	-	-	-	1,008	45	29	1,081
ROSEDALE-RIO BRAVO	-	-	-	-	-	-	-	-	-	25	34	-	-	-	-	-	-	-	25	34	-	59
SEMITROPIC	-	-	-	-	-	-	663	84	186	519	16	-	-	0	-	-	-	-	1,182	100	186	1,468
TEJON-CASTAC	-	-	-	-	-	-	213	47	56	-	-	-	-	-	-	-	-	-	213	47	56	315
WEST KERN	-	-	-	-	-	-	492	43	-	-	-	-	-	-	-	-	-	-	492	43	-	536
WESTSIDE MUTUAL	-	-	-	-	-	-	5,930	1,167	1,714	-	-	-	-	-	-	-	-	-	5,930	1,167	1,714	8,810
WHEELER RIDGE-MARICOPA	-	18	41	-	-	-	2,386	583	668	570	30	-	-	1	-	-	-	-	2,956	631	709	4,296
TOTAL	1,086	205	268	0	0	0	11,081	2,437	3,442	4,511	271	74	0	8	10	0	0	0	16,677	2,921	3,794	23,392

2006 SPREADING PROGRAM

BANKING DELIVERIES SUMMARY

ADJUSTED FOR LEGAL SOURCE AND LOCATION AFTER 6% LOSSES

(QUANTITIES ACRE-FEET)

YEAR: **2006**

DISTRICT	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY			KERN RIVER CHANNEL			POSO CREEK			SUBTOTAL			
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
BELRIDGE	3,295	474	517	-	-	-	-	-	-	13,648	296	-	-	8	-	-	-	-	16,943	778	517	18,238
BERRENDA MESA	10,735	2,057	2,587	-	-	-	-	-	-	11,482	296	-	-	8	-	-	-	-	22,217	2,361	2,587	27,165
BUENA VISTA	-	-	-	-	-	-	-	1,472	4,457	1,032	301	-	-	1	157	-	-	-	1,032	1,774	4,614	7,419
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
DUDLEY RIDGE	-	-	-	-	-	-	5,330	3,298	4,176	-	-	-	-	-	-	-	-	-	5,330	3,298	4,176	12,804
HENRY MILLER	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-	-	-	-	27	-	27
ID4	-	-	-	-	-	-	16,568	3,284	4,194	7,243	177	-	-	-	-	-	-	-	23,811	3,461	4,194	31,467
KCWA	-	-	-	-	-	-	-	-	-	-	-	1,161	-	-	-	-	-	-	-	-	1,161	1,161
KERN DELTA	-	-	-	-	-	-	-	-	-	6,997	1,624	-	-	72	-	-	-	-	6,997	1,697	-	8,694
LOST HILLS	2,984	409	448	-	-	-	-	-	-	12,804	283	-	-	8	-	-	-	-	15,787	700	448	16,936
ROSEDALE-RIO BRAVO	-	-	-	-	-	-	-	-	-	392	536	-	-	-	-	-	-	-	392	536	-	928
SEMITROPIC	-	-	-	-	-	-	10,383	1,309	2,907	8,138	250	-	-	8	-	-	-	-	18,521	1,567	2,907	22,995
TEJON-CASTAC	-	-	-	-	-	-	3,329	731	875	-	-	-	-	-	-	-	-	-	3,329	731	875	4,936
WEST KERN	-	-	-	-	-	-	7,712	678	-	-	-	-	-	-	-	-	-	-	7,712	678	-	8,390
WESTSIDE MUTUAL	-	-	-	-	-	-	92,896	18,276	26,850	-	-	-	-	-	-	-	-	-	92,896	18,276	26,850	138,023
WHEELER RIDGE-MARICOPA	-	275	640	-	-	-	37,375	9,131	10,470	8,930	462	-	-	13	-	-	-	-	46,305	9,882	11,110	67,297
TOTAL	**17,013**	**3,215**	**4,192**	**0**	**0**	**0**	**173,595**	**38,180**	**53,930**	**70,665**	**4,253**	**1,161**	**0**	**119**	**157**	**0**	**0**	**0**	**261,273**	**45,767**	**59,440**	**366,480**

2006 SPREADING PROGRAM

4% RESERVE

AFTER ADJUSTMENT FOR LEGAL SOURCE AND LOCATION AND 6% LOSSES

(QUANTITIES ACRE-FEET)

YEAR: **2006**

DISTRICT	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY			KERN RIVER CHANNEL			POSO CREEK			SUBTOTAL			
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
BELRIDGE	132	19	21	-	-	-	-	-	-	546	12	-	-	0	-	-	-	-	678	31	21	730
BERRENDA MESA	429	82	103	-	-	-	-	-	-	459	12	-	-	0	-	-	-	-	889	94	103	1,087
BUENA VISTA	-	-	-	-	-	-	-	-	-	-	-	-	-	0	6	-	-	-	-	0	6	6
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
DUDLEY RIDGE	-	-	-	-	-	-	213	132	167	-	-	-	-	-	-	-	-	-	213	132	167	512
HENRY MILLER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ID4	-	-	-	-	-	-	663	131	168	290	7	-	-	-	-	-	-	-	952	138	168	1,259
KCWA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KERN DELTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOST HILLS	119	16	18	-	-	-	-	-	-	512	11	-	-	0	-	-	-	-	631	28	18	677
ROSEDALE-RIO BRAVO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SEMITROPIC	-	-	-	-	-	-	415	52	116	326	10	-	-	0	-	-	-	-	741	63	116	920
TEJON-CASTAC	-	-	-	-	-	-	133	29	35	-	-	-	-	-	-	-	-	-	133	29	35	197
WEST KERN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WESTSIDE MUTUAL...	-	-	-	-	-	-	3,716	731	1,074	-	-	-	-	-	-	-	-	-	3,716	731	1,074	5,521
WHEELER RIDGE-MARICOPA	-	11	26	-	-	-	1,495	365	419	357	18	-	-	1	-	-	-	-	1,852	395	444	2,692
TOTAL	681	129	168	0	0	0	6,635	1,441	1,979	2,490	71	0	0	2	6	0	0	0	9,806	1,642	2,153	13,601

2006 SPREADING PROGRAM

BANKING DELIVERIES SUMMARY

ADJUSTED FOR LEGAL SOURCE AND LOCATION AFTER 6% LOSSES AND 4% RESERVE CALCULATIONS

QUANTITIES ACRE-FEET

YEAR: **2006**

DISTRICT	BERRENDA MESA			2800 ACRES			KERN WATER BANK			PIONEER PROPERTY			KERN RIVER CHANNEL			POSO CREEK			SUBTOTAL			
	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	SWP	F-K	KR	TOTAL
BELRIDGE	3,163	455	496	-	-	-	-	-	-	13,102	284	-	-	8	-	-	-	-	16,265	747	496	17,508
BERRENDA MESA	10,305	1,974	2,483	-	-	-	-	-	-	11,023	284	-	-	8	-	-	-	-	21,328	2,267	2,483	26,078
BUENA VISTA	-	-	-	-	-	-	-	1,472	4,457	1,032	301	-	-	1	151	-	-	-	1,032	1,774	4,607	7,413
CAWELO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
DUDLEY RIDGE	-	-	-	-	-	-	5,117	3,166	4,009	-	-	-	-	-	-	-	-	-	5,117	3,166	4,009	12,292
HENRY MILLER	-	-	-	-	-	-	-	-	-	-	27	-	-	-	-	-	-	-	-	27	-	27
ID4	-	-	-	-	-	-	15,906	3,153	4,027	6,953	170	-	-	-	-	-	-	-	22,859	3,323	4,027	30,208
KCWA	-	-	-	-	-	-	-	-	-	-	-	1,161	-	-	-	-	-	-	-	-	1,161	1,161
KERN DELTA	-	-	-	-	-	-	-	-	-	6,997	1,624	-	-	72	-	-	-	-	6,997	1,697	-	8,694
LOST HILLS	2,864	393	430	-	-	-	-	-	-	12,292	272	-	-	8	-	-	-	-	15,156	672	430	16,259
ROSEDALE-RIO BRAVO	-	-	-	-	-	-	-	-	-	392	536	-	-	-	-	-	-	-	392	536	-	928
SEMITROPIC	-	-	-	-	-	-	9,968	1,257	2,791	7,812	240	-	-	7	-	-	-	-	17,780	1,504	2,791	22,075
TEJON-CASTAC	-	-	-	-	-	-	3,196	702	840	-	-	-	-	-	-	-	-	-	3,196	702	840	4,739
WEST KERN	-	-	-	-	-	-	7,712	678	-	-	-	-	-	-	-	-	-	-	7,712	678	-	8,390
WESTSIDE MUTUAL	-	-	-	-	-	-	89,181	17,545	25,776	-	-	-	-	-	-	-	-	-	89,181	17,545	25,776	132,502
WHEELER RIDGE-MARICOPA	-	264	615	-	-	-	35,880	8,766	10,051	8,573	444	-	-	13	-	-	-	-	44,453	9,487	10,665	64,606
TOTAL	16,333	3,086	4,025	0	0	0	166,959	36,739	51,951	68,176	4,182	1,161	0	118	151	0	0	0	251,467	44,124	57,287	352,879

BELRIDGE WATER STORAGE DISTRICT

BERRENDA MESA PROJECT - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1993			1994			1995			1996			1997			1998			1999			2002			2003			2004			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	3,560						782			97						344			312									322			1,375			2,050			8,842			**8,842**
TRANSACTIONS - SWP:																																								
4% RESERVE										(4)						(14)			(12)									(13)			(55)			(82)			(180)			**(180)**
SALE OF BANKED WATER TO EWA - 2003	(1,988)						(539)									(330)			(275)						3,714												582			**582**
5% OUT-OF-COUNTY LOSSS ON SALE OF BANKED WATER TO EWA - 2003																									(63)												(63)			**(63)**
TRANSFER TO PIONEER PROJECT - 2004																									(1,202)												(1,202)			**(1,202)**
TRANSFER FROM PIONEER PROJECT - 2004							846			356																											1,202			**1,202**
PHYSICAL RECOVERY - SWP:																																					0			
IN-DISTRICT - 1994	(832)																																				(832)			**(832)**
IN-DISTRICT - 2001	(359)						(243)																														(602)			**(602)**
IN-DISTRICT - 2004							(810)			(359)																											(1,169)			**(1,169)**
ACCOUNT BALANCE	**381**			**0**			**36**			**90**			**0**			**0**			**25**			**0**			**2,449**			**309**			**1,320**			**1,968**			**6,578**			**6,578**
PHYSICAL RECHARGE - SWP ARTICLE 21							461															95			69			522			2,064			1,245			4,456			**4,456**
TRANSACTIONS - SWP ARTICLE 21:																																								
4% RESERVE																						(4)			(3)			(21)			(83)			(50)			(161)			**(161)**
SALE OF BANKED WATER TO EWA - 2003							(152)																														(152)			**(152)**
5% OUT-OF-COUNTY LOSSS ON SALE OF BANKED WATER TO EWA - 2003							(122)																														(122)			**(122)**
ACCOUNT BALANCE	**0**			**0**			**187**			**0**			**0**			**0**			**0**			**91**			**66**			**501**			**1,981**			**1,195**			**4,021**			**4,021**
PHYSICAL RECHARGE - FK - FLOOD								175						385			211																		178			949		**949**
TRANSACTIONS - FK - FLOOD:																																								
4% RESERVE														(15)			(8)																		(7)			(30)		**(30)**
SALE OF BANKED WATER TO EWA - 2003														(256)																								(256)		**(256)**
PHYSICAL RECOVERY - FK - FLOOD:																																								
IN-DISTRICT - 2001								(174)																														(174)		**(174)**
ACCOUNT BALANCE		**0**			**0**			**1**			**0**			**114**			**203**			**0**			**0**			**0**			**0**			**0**			**171**			**489**		**489**
PHYSICAL RECHARGE - FK - 215								3																								186			296			299		**299**
TRANSACTIONS - FK - 215:																																								
4% RESERVE																																(7)			(12)			(12)		**(12)**
ACCOUNT BALANCE		0			0			3			0			0			0			0			0			0			0			179			284			287		**287**
PHYSICAL RECHARGE KR - FLOOD															43			446																		411			900	**900**
TRANSACTION - KR - FLOOD:																																								
4% RESERVE															(2)			(18)																		(16)			(36)	**(36)**
SALE OF BANKED WATER TO EWA - 2003																		(174)																				(174)	**(174)**
ACCOUNT BALANCE		0			0			0			0			41			254			0			0			0			0			0			395			690	**690**
PHYSICAL RECHARGE KR - CITY MISC											204			243			654			6														106			1,213	**1,213**
TRANSACTION - KR - CITY MISC:																																								
4% RESERVE											(8)			(9)			(26)																		(4)			(47)	**(47)**
PHYSICAL RECOVERY:																																								
IN-DISTRICT - 2001																	(200)																				(200)		**(200)**
ACCOUNT BALANCE		**0**			**0**			**0**			**196**			**234**			**428**			**6**			**0**			**0**			**0**			**0**			**102**			**966**		**966**
PHYSICAL RECHARGE - KR - HACIENDA																	789																				789		**789**
TRANSACTION - KR - HACIENDA																																								
4% RESERVE																	(32)																				(32)		**(32)**
ACCOUNT BALANCE		0			0			0			0			0			757			0			0			0			0			0			0			757		**757**
TOTAL ACCOUNT BALANCE	**381**	**0**	**0**	**0**	**0**	**0**	**223**	**4**	**0**	**90**	**0**	**196**	**0**	**114**	**275**	**0**	**203**	**1,439**	**25**	**0**	**6**	**91**	**0**	**0**	**2,515**	**0**	**0**	**810**	**0**	**0**	**3,301**	**179**	**0**	**3,163**	**455**	**497**	**10,599**	**955**	**2,413**	**13,967**

BERRENDA MESA WATER STORAGE DISTRICT

BERRENDA MESA PROJECT - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1986			1993			1994			1995			1996			1997			1998			1999			2000			2002			2003			2004			2005			2006			TOTAL			TOTAL
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	
PHYSICAL RECHARGE - SWP				5,398			1,866			15,123			644			58			2,601			1,178									282						9,630			6,319			43,099			**43,099**
TRANSACTIONS - SWP:																																														
4% RESERVE													(26)			(2)			(104)			(47)									(11)						(385)			(249)			(824)			**(824)**
SALE OF FRIANT-KERN BANKED WATER TO HARRIS RANCH - 1995										6,174																																	6,174			**6,174**
TRANSFER OF BANKED TO BERRENDA MESA PROJECT - 2001							1			9			10																														20			**20**
TRANSFER FROM KCWA FOR BANKED WATER IN 2800 ACRES - 2001	2,923																																										2,923			**2,923**
SALE OF SWP BANKED WATER TO EWA - 2003				(4,280)						(17,613)			(296)			(22)			(1,631)			(679)									25,951												1,430			**1,430**
5% OF-COUNTY-LOSSES ON SALE TO EWA - 2003																															(1,298)												(1,298)			**(1,298)**
SALE OF SWP BANKED WATER TO EWA - 2004										(9,291)						(29)			(194)															9,585									71			**71**
5% OF-COUNTY-LOSSES ON SALE TO EWA - 2004																																		(479)									(479)			**(479)**
TRANSFER TO KERN RIVER CHANNEL - 2004																															(1,561)												(1,561)			**(1,561)**
TRANSFER FROM KERN RIVER CHANNEL - 2004										44						1,026			72			419																					1,561			**1,561**
TRANSFER TO PIONEER PROJECT - 2004																															(23,092)												(23,092)			**(23,092)**
TRANSFER FROM PIONEER PROJECT - 2004				1,523						12,732			525						4,755			1,233			2,324																		23,092			**23,092**
SALE OF SWP BANKED WATER TO EWA - 2005										(5,327)									(117)																		5,705						261			**261**
5% OUT-OF-COUNTY LOSSES ON SALE TO EWA - 2005																																					(285)						(285)			**(285)**
PHYSICAL RECOVERY - SWP:																																														
IN-DISTRICT - 1994				(200)																																							(200)			**(200)**
IN-DISTRICT - 2001	(2,923)						(1)			(9)			(10)			(33)			(36)			(30)																					(3,042)			**(3,042)**
ACCOUNT BALANCE	**0**			**2,441**			**1,866**			**1,842**			**847**			**998**			**5,346**			**2,074**			**2,324**			**0**			**271**			**9,106**			**14,665**			**6,070**			**47,850**			**47,850**
PHYSICAL RECHARGE - SWP - ARTICLE 21																												350			267			1,359			11,101			4,416			17,493			**17,493**
TRANSACTION - SWP - ARTICLE 21																																														
4% RESERVE																												(14)			(11)			(54)			(444)			(177)			(700)			**(700)**
ACCOUNT BALANCE	**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**336**			**256**			**1,305**			**10,657**			**4,239**			**16,793**			**16,793**
PHYSICAL RECHARGE - FK - FLOOD											1,040						2,891			1,188																			943			6,062			**6,062**
TRANSACTIONS - FK - FLOOD:																																														
4% RESERVE																	(116)			(48)																			(38)			(202)			**(202)**
SALE OF FK FLOOD BANKED WATER TO EWA - 2003											(113)						(351)			(244)																							(708)			**(708)**
SALE OF FK FLOOD BANKED WATER TO EWA - 2004																	(28)			(19)																							(47)			**(47)**
PHYSICAL RECOVERY:																																														
IN-DISTRICT - 2001																				(19)																							(19)			**(19)**
ACCOUNT BALANCE		**0**			**0**			**0**			**1,040**			**0**			**2,396**			**858**			**0**			**0**			**0**			**0**			**0**	**0**		**0**			**905**			**5,199**			**5,199**
PHYSICAL RECHARGE - FK - 215											6,174																											2,871			1,114			7,288			**7,288**
TRANSACTIONS - FK - 215:																																														
4% RESERVE																																					(115)			(45)			(45)			**(45)**
SALE OF FRIANT-KERN BANKED WATER TO HARRIS RANCH - 1995											(6,174)																																(6,174)			**(6,174)**
ACCOUNT BALANCE		**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**2,756**			**1,069**			**1,069**			**1,069**
PHYSICAL RECHARGE KR - FLOOD																	326			2,647																			2,187			5,160			**5,160**
TRANSACTION - KR - FLOOD:																																														
4% RESERVE																	(13)			(106)																			(87)			(206)			**(206)**
TRANSFER FROM KCWA FOR BANKED WATER IN 2800 ACRES - 2001		6,071																																									6,071			**6,071**
SALE OF KR FLOOD BANKED WATER TO EWA - 2003																	(33)			(689)																							(722)			**(722)**
SALE OF KR FLOOD BANKED WATER TO EWA - 2004																	(17)			(7)																							(24)			**(24)**
SALE OF KR FLOOD BANKED WATER TO EWA - 2005																				(261)																							(261)			**(261)**
PHYSICAL RECOVERY:																																														
IN-DISTRICT - 2001		(6,071)																		(200)																							(6,271)			**(6,271)**
ACCOUNT BALANCE		**0**			**0**			**0**			**0**			**0**			**263**			**1,384**			**0**			**0**			**0**			**0**			**0**			**0**			**2,100**			**3,747**			**3,747**
PHYSICAL RECHARGE KR - CITY MISC														873			959			3,625			22																	400			5,879			**5,879**
TRANSACTION - KR - CITY MISC:																																														
4% RESERVE														(35)			(38)			(145)																					(16)			(234)			**(234)**
PHYSICAL RECOVERY:																																														
IN-DISTRICT - 2001														(77)			(115)			(29)			(1)																				(222)			**(222)**
ACCOUNT BALANCE		**0**			**0**			**0**			**0**			**761**			**806**			**3,451**			**21**			**0**			**0**			**0**			**0**			**0**			**384**			**5,423**			**5,423**
PHYSICAL RECHARGE - KR - HACIENDA																				2,210																							2,210			**2,210**
TRANSACTION - KR - HACIENDA																																														
4% RESERVE																				(88)																							(88)			**(88)**
ACCOUNT BALANCE		**0**			**0**			**0**			**0**			**0**			**0**			**2,122**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**2,122**			**2,122**
TOTAL ACCOUNT BALANCE	**0**	**0**	**0**	**2,441**	**0**	**0**	**1,866**	**0**	**0**	**1,842**	**1,040**	**0**	**847**	**0**	**761**	**998**	**2,396**	**1,069**	**5,346**	**858**	**6,957**	**2,074**	**0**	**21**	**2,324**	**0**	**0**	**336**	**0**	**0**	**527**	**0**	**0**	**10,411**	**0**	**0**	**25,322**	**2,756**	**0**	**10,309**	**1,974**	**2,484**	**64,643**	**9,024**	**11,292**	**84,959**

KERN COUNTY WATER AGENCY

BERRENDA MESA PROJECT - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1983			1984			1986			1995			1996			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	121						2,923			6,316			6,122									15,482			**15,482**
TRANSACTIONS - SWP:																									
TRANSFER TO BMWD FOR BANKED WATER IN 2800 ACRES - 2001							(2,923)															(2,923)			**(2,923)**
PHYSICAL RECOVERY - SWP:																									
IN-DISTRICT - 1991	(121)																					(121)			**(121)**
ACCOUNT BALANCE	0			0			0			6,316			6,122			0			0			12,438			**12,438**
PHYSICAL RECHARGE - FK - FLOOD		3,648																					3,648		**3,648**
PHYSICAL RECOVERY - FK - FLOOD:																									
IN-DISTRICT - 1991		(3,648)																					(3,648)		**(3,648)**
ACCOUNT BALANCE		0			0			0			0			0			0			0			0		**0**
PHYSICAL RECHARGE KR - FLOOD			9,608			393			15,480															25,481	**25,481**
TRANSACTION - KR - FLOOD:																									
TRANSFER TO CWD FOR BANKED WATER IN 2800 ACRES - 2001									(4,871)															(4,871)	**(4,871)**
TRANSFER TO BMWD FOR BANKED WATER IN 2800 ACRES - 2001									(6,071)															(6,071)	**(6,071)**
PHYSICAL RECOVERY - KR - FLOOD:																									
IN-DISTRICT - 1991			(9,608)			(393)			(2,314)															(12,315)	**(12,315)**
ACCOUNT BALANCE			0			0			2,224			0			0			0			0			2,224	**2,224**
TOTAL ACCOUNT BALANCE	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2,224**	**6,316**	**0**	**0**	**6,122**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12,438**	**0**	**2,224**	**14,662**

TABLE 3D-3

LOST HILLS WATER STORAGE DISTRICT

BERRENDA MESA PROJECT - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1993			1994			1995			1996			1997			1998			1999			2002			2003			2004			2005			2006			TOTAL			TOTAL
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	
PHYSICAL RECHARGE - SWP	4,203			338			459			503						924															537			1,946			8,910			8,910
TRANSACTIONS - SWP:																																								
4% RESERVE										(20)						(37)															(21)			(78)			(156)			(156)
TRANSFER OF BANKED WATER FROM 2800 ACRES - 2001							266			1,479			1,168																							2,913			2,913
TRANSFER OF BANKED WATER FROM KERN RIVER CHANNEL - 2003																62																					62			62
SALE OF BANKED SWP WATER TO EWA - 2003	(3,335)						(459)			(209)						(949)									4,952												0			0
TRANSFER TO PIONEER PROJECT - 2004				(338)																					(4,952)												(5,290)			(5,290)
TRANSFER FROM PIONEER PROJECT - 2004							7,043																														7,043			7,043
SALE OF BANKED SWP WATER TO EWA - 2005	(420)						(1,422)																								1,842						0			0
PHYSICAL RECOVERY - SWP:																																								
IN-DISTRICT - 2001							(266)			(1,479)			(1,168)																							(2,913)			(2,913)
ACCOUNT BALANCE	**448**			**0**			**5,621**			**274**			**0**			**0**			**0**			**0**			**0**			**0**			**2,358**			**1,868**			**10,569**			**10,569**
PHYSICAL RECHARGE - SWP ARTICLE 21							397															82			58			496			1,572			1,038			3,643			3,643
TRANSACTIONS - SWP ARTICLE 21:																																								
4% RESERVE																						(3)			(2)			(20)			(63)			(42)			(130)			(130)
TRANSFER TO PIONEER PROJECT																						(79)			(56)			(476)									(611)			(611)
ACCOUNT BALANCE	**0**			**0**			**397**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**1,509**			**996**			**2,902**			**2,902**
PHYSICAL RECHARGE - FK - FLOOD								150						332			192																		153			827		827
TRANSACTIONS - FK - FLOOD:																																								
4% RESERVE														(13)			(8)																		(6)			(27)		(27)
ACCOUNT BALANCE		**0**			**0**			**150**			**0**			**319**			**184**			**0**			**0**			**0**			**0**			**0**			**147**			**800**		**800**
PHYSICAL RECHARGE - FK - 215								83												268												529			256			607		607
TRANSACTIONS - FK - 215:																																								
4% RESERVE																				(11)												(21)			(10)			(21)		(21)
ACCOUNT BALANCE		**0**			**0**			**83**			**0**			**0**			**0**			**257**			**0**			**0**			**0**			**508**			**246**			**586**		**586**
PHYSICAL RECHARGE KR - FLOOD															38			430																		354			822	822
TRANSACTION - KR - FLOOD:																																								
4% RESERVE															(2)	0	0	(17)																		(14)			(33)	(33)
ACCOUNT BALANCE			**0**			**0**			**0**			**0**			**36**			**413**			**0**			**0**			**0**			**0**			**0**			**340**			**789**	**789**
PHYSICAL RECHARGE KR - CITY MISC												218			209			1,016			5															94			1,542	1,542
TRANSACTION - KR - CITY MISC:																																								
4% RESERVE												(9)			(8)			(41)																		(4)			(62)	(62)
5% OUT-OF-COUNTY LOSSS ON SALE OF BANKED WATER TO EWA - 2003												(209)			(39)																							(248)	(248)
TRANSFER TO PIONER PROJECT															(162)			(975)			(5)																	(1,142)	(1,142)
ACCOUNT BALANCE		**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**90**			**90**	**90**
TOTAL ACCOUNT BALANCE	**448**	**0**	**0**	**0**	**0**	**0**	**6,018**	**233**	**0**	**274**	**0**	**0**	**0**	**319**	**36**	**0**	**184**	**413**	**0**	**257**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3,867**	**508**	**0**	**2,864**	**393**	**430**	**13,471**	**1,894**	**879**	**16,244**

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

BERRENDA MESA PROJECT - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1993			1995			1996			1997			1998			1999			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	7,576			786			0						149												8,511			8,511
TRANSACTIONS - SWP:																												
4% RESERVE													(6)												(6)			(6)
TRANSFER FROM KERN RIVER CHANNEL - 2004													111			778									889			889
PHYSICAL RECOVERY - SWP:																												
IN-DISTRICT - 1994	(1,290)																								(1,290)			(1,290)
IN-DISTRICT - 2001	(1,384)																								(1,384)			(1,384)
ACCOUNT BALANCE	**4,902**			**786**			**0**			**0**			**254**			**778**			**0**			**0**			**6,720**			**6,720**
PHYSICAL RECHARGE - FK - FLOOD					272						599			343									275			1,489		1,489
TRANSACTIONS - FK - FLOOD:																												
4% RESERVE											(24)			(14)									(11)			(49)		(49)
ACCOUNT BALANCE		**0**			**272**			**0**			**575**			**329**			**0**			**0**			**264**			**1,440**		**1,440**
PHYSICAL RECHARGE - FK - 215					3															918						921		921
TRANSACTIONS - FK - 215:																												
4% RESERVE																				(37)						(37)		(37)
ACCOUNT BALANCE		**0**			**3**			**0**			**0**			**0**			**0**			**881**			**0**			**884**		**884**
PHYSICAL RECHARGE KR - FLOOD												68			773									640			1,481	1,481
TRANSACTION - KR - FLOOD:																												
4% RESERVE												(3)			(31)									(26)			(60)	(60)
ACCOUNT BALANCE			**0**			**0**			**0**			**65**			**742**			**0**			**0**			**614**			**1,421**	**1,421**
PHYSICAL RECHARGE KR - CITY MISC									320			19			586												925	925
TRANSACTION - KR - CITY MISC:																												
4% RESERVE									(13)						(23)												(36)	(36)
TRANSFER TO KERN RIVER CHANNEL - 2004									(307)			(19)			(563)												(889)	(889)
ACCOUNT BALANCE			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**	**0**
TOTAL ACCOUNT BALANCE	**4,902**	**0**	**0**	**786**	**275**	**0**	**0**	**0**	**0**	**0**	**575**	**65**	**254**	**329**	**742**	**778**	**0**	**0**	**0**	**881**	**0**	**0**	**264**	**614**	**6,720**	**2,324**	**1,421**	**10,465**

TABLE 3D-5

BELRIDGE WATER STORAGE DISTRICT

KERN RIVER CHANNEL - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1995			1996			1998			1999			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	274			83			86			25			478						946			**946**
TRANSACTIONS - SWP:																						
4% RESERVE				(3)			(3)			(1)			(19)						(26)			**(26)**
ACCOUNT BALANCE	274			80			83			24			459			0			920			**920**
PHYSICAL RECHARGE - FK 215														392			8			400		**400**
TRANSACTIONS - FK 215:																						
4% RESERVE														(16)			0			(16)		**(16)**
ACCOUNT BALANCE		0			0			0			0			376			8			384		**384**
TOTAL ACCOUNT BALANCE	**274**	**0**	**0**	**80**	**0**	**0**	**83**	**0**	**0**	**24**	**0**	**0**	**459**	**376**	**0**	**0**	**8**	**0**	**920**	**384**	**0**	**1,304**

TABLE 3D-6

BERRENDA MESA WATER STORAGE DISTRICT

KERN RIVER CHANNEL - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1995			1997			1998			1999			2003			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	44			1,070			84			447						118						1,763			**1,645**
TRANSACTIONS - SWP:																									
4% RESERVE				(43)			(3)			(18)						(5)						(69)			**(64)**
TRANSFER OF BANKED TO BERRENDA MESA PROJECT - 2001				(1)			(9)			(10)												(20)			**(20)**
TRANSFER TO BERRENDA MESA PROJECT - 2004	(44)			(1,026)			(72)			(419)												(1,561)			**(1,561)**
TRANSFER FROM BERRENDA MESA PROJECT - 2004													1,561									1,561			**1,561**
ACCOUNT BALANCE	0			0			0			0			1,561			113			0			1,674			**1,561**
PHYSICAL RECHARGE - FK 215		942															415			8			1,365		**942**
TRANSACTIONS - FK 215:																									
4% RESERVE																	(17)			0			(17)		**0**
ACCOUNT BALANCE		942			0			0			0			0			398			8			1,348		**942**
TOTAL ACCOUNT BALANCE	**0**	**942**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1561**	**0**	**0**	**113**	**398**	**0**	**0**	**8**	**0**	**1,561**	**1,348**	**0**	**3,022**

TABLE 3D-7

TABLE 3D-8

DUDLEY RIDGE WATER DISTRICT

KERN RIVER CHANNEL - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

	1996			2006			TOTAL			
WATER TYPE	**SWP**	**FK**	**KR**	**SWP**	**FK**	**KR**	**SWP**	**FK**	**KR**	**TOTAL**
PHYSICAL RECHARGE - SWP	894						894			**894**
TRANSACTIONS - SWP:										
4% RESERVE							0			**0**
ACCOUNT BALANCE	894			0			894			**894**
TOTAL ACCOUNT BALANCE	**894**	**0**	**0**	**0**	**0**	**0**	**894**			**894**

IMPROVEMENT DISTRICT NO. 4

KERN RIVER CHANNEL - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1995			1998			2005			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	212			52			41			305			**305**
TRANSACTIONS - SWP:													
4% RESERVE				(2)			(2)			(4)			**(4)**
ACCOUNT BALANCE	**212**			**50**			**39**			**301**			**301**
TOTAL ACCOUNT BALANCE	**212**	**0**	**0**	**50**	**0**	**0**	**39**	**0**	**0**	**301**			**301**

KERN COUNTY WATER AGENCY

KERN RIVER CHANNEL - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1981			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	31,874			80						31,954			**31,954**
TRANSACTIONS - SWP:													
4% RESERVE										0			**0**
TRANSFER TO 2800 ACRES FOR 1991 RECOVERY PROGRAM	(18,161)									(18,161)			**(18,161)**
TRANSFER TO 2800 ACRES FOR 1992 RECOVERY PROGRAM	(12,731)									(12,731)			**(12,731)**
ACCOUNT BALANCE	982			80			0			1,062			**1,062**
PHYSICAL RECHARGE - LOWER RIVER						77			0			77	**77**
TOTAL ACCOUNT BALANCE	**982**	**0**	**0**	**80**	**0**	**77**	**0**	**0**	**0**	**982**		**77**	**1,139**

TABLE 3D-10

KERN DELTA WATER DISTRICT

KERN RIVER CHANNEL - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1999			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP				791						791			**791**
PHYSICAL RECHARGE - FK 215		83						72			155		**155**
TOTAL ACCOUNT BALANCE	**0**	**83**	**0**	**791**	**0**	**0**	**0**	**72**	**0**	**791**	**155**		**946**

LOST HILLS WATER DISTRICT

KERN RIVER CHANNEL - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1995			1996			1997			1998			1999			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	274			1,586			2,674			77						5						4,616			**4,616**
TRANSACTIONS - SWP:																									
4% RESERVE				(63)			(107)			(3)						0						(173)			**(173)**
TRANSFER OF BANKED TO BERRENDA MESA PROJECT - 2001	(274)			(1,523)			(1,116)															(2,913)			**(2,913)**
TRANSFER OF BANKED TO BERRENDA MESA PROJECT - 2003										(62)												(62)			**(62)**
ACCOUNT BALANCE	**0**			**0**			**1,451**			**12**			**0**			**5**			**0**			**1,468**			**1,468**
PHYSICAL RECHARGE - FK 215		161												22			409			8			600		**600**
TRANSACTIONS - FK 215:																									
4% RESERVE														(1)			(16)			0			(17)		**(17)**
ACCOUNT BALANCE		161			0			0			0			21			393			8			583		**583**
TOTAL ACCOUNT BALANCE	**0**	**161**	**0**	**0**	**0**	**0**	**1,451**	**0**	**0**	**12**	**0**	**0**	**0**	**21**	**0**	**5**	**393**	**0**	**0**	**8**	**0**	**1,468**	**583**	**0**	**2,051**

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

KERN RIVER CHANNEL - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1996			2005			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - FK AE/RRB		3,225			3,831			7,056		7,056
TOTAL ACCOUNT BALANCE	**0**	**3,225**	**0**	**0**	**3,831**	**0**		**7,056**		**7,056**

SEMITROPIC WATER STORAGE DISTRICT

KERN RIVER CHANNEL-SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1996			1997			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP				1,786			525						2,311			**2,311**
TRANSACTIONS - SWP:																
4% RESERVE				(71)			(21)						(92)			**(92)**
TRANSFER OF BANKED WATER TO PIONEER PROJECT - 2001				(1,660)									(1,660)			**(1,660)**
ACCOUNT BALANCE	**0**			**55**			**504**			**0**			**559**			**559**
PHYSICAL RECHARGE - FK 215								812			8			820		**820**
TRANSACTIONS - FK 215:																
4% RESERVE								(32)			0			(32)		**(32)**
ACCOUNT BALANCE		**0**			**0**			**780**			**8**			**788**		**788**
PHYSICAL RECHARGE - FK SWID DIRECT		22												22		**22**
TRANSACTIONS - FK SWID DIRECT:																
4% RESERVE		(1)												(1)		**(1)**
TRANSFER OF BANKED WATER TO PIONEER PROJECT - 2001		(20)												(20)		**(20)**
ACCOUNT BALANCE		1			0			0			0			1		**1**
TOTAL ACCOUNT BALANCE	**0**	**1**	**0**	**55**	**0**	**0**	**504**	**780**	**0**	**0**	**8**	**0**	**559**	**789**	**0**	**1,348**

TABLE 3D-14

TEJON CASTAC WATER DISTRICT

KERN RIVER CHANNEL- SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1998			1999			2003			2005			TOTAL			TOTAL
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	
PHYSICAL RECHARGE - SWP	5			19						6			30			**30**
TRANSACTIONS - SWP:																
4% RESERVE				(1)						0			(1)			**(1)**
TRANSFER TO KERN WATER BANK - 2004	(5)			(18)									(23)			**(23)**
TRANSFER FROM KERN WATER BANK - 2004							23						23			**23**
TOTAL ACCOUNT BALANCE	**0**	**0**	**0**	**0**	**0**	**0**	**23**	**0**	**0**	**6**	**0**	**0**	**29**	**0**	**0**	**29**

TABLE 3D-16

WESTSIDE MUTUAL WATER COMPANY

KERN RIVER CHANNEL- SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

	1999			2006			TOTAL			
WATER TYPE	**SWP**	**FK**	**KR**	**SWP**	**FK**	**KR**	**SWP**	**FK**	**KR**	**TOTAL**
PHYSICAL RECHARGE - FK 215		478						478		**478**
TRANSACTIONS - FK 215:										
4% RESERVE		(19)						(19)		**(19)**
ACCOUNT BALANCE		459			0			459		**459**
TOTAL ACCOUNT BALANCE	**0**	**459**	**0**	**0**	**0**	**0**	**0**	**459**	**0**	**459**

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

KERN RIVER CHANNEL- SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1996			1997			1998			1999			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP							127			810									937			937
TRANSACTIONS - SWP:																						
4% RESERVE							(5)			(32)									(37)			(37)
TRANSFER TO BERRENDA MESA PROJECT - 2004							(111)			(778)									(889)			(889)
ACCOUNT BALANCE	**0**			**0**			**11**			**0**			**0**			**0**			**11**			**11**
PHYSICAL RECHARGE - FK 215														751			13			764		764
TRANSACTIONS - FK 215:																						
4% RESERVE														(30)			(1)			(31)		(31)
ACCOUNT BALANCE		**0**			**0**			**0**			**0**			**721**			**12**			**733**		**733**
PHYSICAL RECHARGE KR - CITY MISC																					0	0
TRANSACTION - KR - CITY MISC:																						
4% RESERVE																					0	0
TRANSFER FROM BERRENDA MESA PROJECT - 2004			307			19			563												889	889
ACCOUNT BALANCE			**307**			**19**			**563**				**0**			**0**					**889**	**889**
TOTAL ACCOUNT BALANCE	**0**	**0**	**307**	**0**	**0**	**19**	**11**	**0**	**563**	**0**	**0**	**0**	**0**	**721**	**0**	**0**	**12**	**0**	**11**	**733**	**889**	**1,633**

DUDLEY RIDGE WATER DISTRICT

KERN WATER BANK - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1995			1996			1997			1998			1999			2000			2001			2002			2003			2004			2005			2006			TOTAL			TOTAL
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	
PHYSICAL RECHARGE - SWP				4,625			846			4,629						153									329						2,395			1,497			14,474			**14,474**
TRANSACTIONS - SWP:																																								
4% RESERVE										(185)						(6)									(13)						(96)			(60)			(360)			**(360)**
TRANSFER FROM DWR FOR PURCHASE OF PROPERTY - 12/5/95				122																																	122			**122**
EXCHANGE OF SWP SURFACE WATER FOR BANKED WATER WITH DWR - 7/1/97							2,670																														2,670			**2,670**
EXCHANGE OF SWP SURFACE WATER FOR WMWC BANKED WATER - 01/03/00																1,500																					1,500			**1,500**
SALE OF BANKED WATER TO CVP - 2000																800																					800			**800**
5% LOSSES ON SALE OF BANKED WATER TO CVP - 2000				(40)																																	(40)			**(40)**
SALE OF BANKED WATER TO USBR - 2000																700																					700			**700**
5% LOSSES ON SALE OF BANKED WATER TO USBR - 2000				(35)																																	(35)			**(35)**
TRANSFER TO PASTORIA TRUST - 8/6/01				(1,443)																																	(1,443)			**(1,443)**
EXCHANGE OF SWP SURFACE WATER FOR BANKED WATER WITH WMWC - 2004																(2,140)																					(2,140)			**(2,140)**
PHYSICAL RECOVERY - SWP																																								
IN-DISTRICT 2001				(2,433)			(798)																														(3,231)			**(3,231)**
IN-DISTRICT 2002				(703)																																	(703)			**(703)**
IN-DISTRICT 2003				(93)																																	(93)			**(93)**
ACCOUNT BALANCE	0			0			2,718			4,444			0			1,007			0			0			316			0			2,299			1,437			12,221			**12,221**
PHYSICAL RECHARGE - SWP - ARTICLE 21				1,640			4,144			924			1,229			742			1,607			692			0			1,558			12,357			3,833			28,726	0	0	**28,726**
TRANSACTIONS - SWP ARTICLE 21:																																								
4% RESERVE										(37)			(49)			(30)			(64)			(28)						(62)			(494)			(153)			(917)			**(917)**
EXCHANGE OF BANKED WATER FOR SWP SURFACE WATER WITH WK - 10/15/04				(558)																																	(558)			**(558)**
EXCHANGE OF SWP SURFACE WATER FOR BANKED WATER WITH WMWC - 2004																(712)			(722)			(276)															(1,710)			**(1,710)**
PHYSICAL RECOVERY - SWP - ARTICLE 21																																								
IN-DISTRICT 2002																			(692)																		(692)			**(692)**
IN-DISTRICT 2003				(281)																																	(281)			**(281)**
IN-DISTRICT 2004				(537)																																	(537)			**(537)**
ACCOUNT BALANCE	0			264			4,144			887			1,180			0			129			388			0			1,496			11,863			3,680			24,031			**24,031**
PHYSICAL RECHARGE - FK - FLOOD		32						2,635			2,111																								1,833			6,611		**6,611**
TRANSACTIONS - FK FLOOD:																																								
4% RESERVE											(84)																								(73)			(157)		**(157)**
ACCOUNT BALANCE		32			0			2,635			2,027			0			0			0			0			0			0			0				1,760			6,454		**6,454**
PHYSICAL RECHARGE - FK - 215		1,460			7,048																										4,588			1,465			9,973			**9,973**
TRANSACTIONS - FK - 215:																																								
4% RESERVE																															(184)			(59)			(59)			**(59)**
TRANSFER OF BANKED WATER TO WMWC - 4/30/98		(1,290)			(6,769)																																(8,059)			**(8,059)**
SALE OF BANKED WATER TO USBR - 2000		(147)																																			(147)			**(147)**
ACCOUNT BALANCE		23			279			0			0			0			0			0			0			0			0			4,404			1,406			1,708			**1,708**
PHYSICAL RECHARGE - KR - FLOOD								2,007			7,252																								4,176			13,435		**13,435**
TRANSACTIONS KR - FLOOD:																																								
4% RESERVE											(290)																								(167)			(457)		**(457)**
SALE OF BANKED WATER TO USBR - 2000								(457)			(96)																										(553)			**(553)**
SALE OF BANKED WATER TO CVP - 2000											(800)																										(800)			**(800)**
ACCOUNT BALANCE		0			0			1,550			6,066			0			0			0			0			0			0			0				4,009			11,625		**11,625**
PHYSICAL RECHARGE - KR - BUENA VISTA/KWBA											1,425																										1,425			**1,425**
TRANSACTIONS KR - BUENA VISTA/KWBA:																																								
4% RESERVE											(57)																										(57)			**(57)**
ACCOUNT BALANCE		0			0			0			1,368			0			0			0			0			0			0			0				0			1,368		**1,368**
																																					0			
PHYSICAL RECHARGE - KR - HACIENDA/KWBA											5,017																										5,017			**5,017**
TRANSACTIONS - KR - HACIENDA/KWBA:																																								
4% RESERVE											(201)																										(201)			**(201)**
TRANSFER FROM DWR FOR PURCHASE OF PROPERTY - 12/5/95					3,998																																3,998			**3,998**
ACCOUNT BALANCE		0			3,998			0			4,816			0			0			0			0			0			0			0				0			8,814		**8,814**
TOTAL ACCOUNT BALANCE	0	55	0	264	279	3,998	6,862	2,635	1,550	5,331	2,027	12,250	1,180	0	0	1,007	0	0	129	0	0	388	0	0	316	0	0	1,496	0	0	14,162	4,404	0	5,117	3,166	4,009	36,252	12,566	21,807	**70,626**

IMPROVEMENT DISTRICT NO. 4

KERN WATER BANK - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1995			1996			1997			1998			1999			2000			2001			2002			2003			2004			2005			2006			TOTAL			TOTAL
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	
PHYSICAL RECHARGE - SWP	29,194			30,461			1,442			26,702																					24,797			9,429			122,025			122,025
TRANSACTIONS - SWP:																																								
4% RESERVE										(1,068)																					(992)			(377)			(2,437)			(2,437)
EXCH. OF SWP SURFACE WATER FOR WMWC BANKED WATER - 10/14/96	5,000																																				5,000			5,000
TRANSFER FROM DWR FOR PURCHASE OF PROPERTY - 12/5/95				122																																	122			122
EXCH. OF SWP SURFACE WATER FOR BANKED WATER WITH DWR - 7/1/97							2,670																														2,670			2,670
SALE OF BANKED WATER TO USBR - 2000																7,236																					7,236			7,236
SALE OF BANKED WATER TO CVP - 2000																10,000																					10,000			10,000
5% LOSSES ON SALE OF BANKED WATER TO USBR - 2000	(362)																																				(362)			(362)
SALE OF BANKED WATER TO MADERA - 2000																554																					554			554
5% LOSSES ON SALE OF BANKED WATER TO CVP - 2000	(500)																																				(500)			(500)
TRANSFER TO PASTORIA TRUST - 8/6/01	(1,443)																																				(1,443)			(1,443)
EXCH. OF BANKED WATER FOR WRMWSD SWP SURFACE WATER - 9/1/00																(10,000)																					(10,000)			(10,000)
SALE TO BANKED SWP WATER EWA - 2001	(2,564)																		2,564																		0			0
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2001	(500)																																				(500)			(500)
SALE OF BANKED SWP WATER EWA - 2002	(10,183)																					10,183															0			0
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2002	(750)																																				(750)			(750)
SALE OF BANKED SWP WATER EWA - 2003	(5,639)			(6,742)																					12,381												0			0
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2003				(619)																																	(619)			(619)
EXCH. OF BANKED WATER FOR SWP SURFACE WATER WITH WK - 10/15/04				(601)																																	(601)			(601)
SALE OF BANKED SWP WATER EWA - 2004				(4,663)																								4,663									0			0
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2004				(233)																																	(233)			(233)
TRANSFER TO PIONEER - 2004																			(2,564)			(10,183)			(12,381)												(25,128)			(25,128)
TRANSFER FROM PIONEER - 2004	15,458			5,352																																	20,810			20,810
SALE OF BANKED SWP WATER TO EWA - 2005	(3,685)																														3,685						0			0
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2005	(184)																																				(184)			(184)
PHYSICAL RECOVERY - SWP																																								
SALE OF GROUNDWATER TO EWA - 2001	(7,436)																																				(7,436)			(7,436)
SALE OF GROUNDWATER TO EWA - 2002	(4,817)																																				(4,817)			(4,817)
ACCOUNT BALANCE	11,589			23,077			4,112			25,634			0			7,790			0			0			0			4,663			27,490			9,052			113,407			113,407
PHYSICAL RECHARGE - SWP - ARTICLE 21				5,172									72												371						8,609			7,139			21,363	0	0	21,363
TRANSACTIONS - SWP ARTICLE 21:																																								
4% RESERVE													(3)												(15)						(344)			(286)			(648)			(648)
TRANSFER TO PIONEER - 2004																									(356)												(356)			(356)
TRANSFER FROM PIONEER - 2004				2,545																																	2,545			2,545
ACCOUNT BALANCE	0			7,717			0			0			69			0			0			0			0			0			8,265			6,853			22,904			22,904
PHYSICAL RECHARGE - FK - FLOOD		32						2,635			2,111																								1,888			6,666		6,666
TRANSACTIONS - FK - FLOOD:																																								
4% RESERVE											(84)																								(76)			(160)		(160)
SALE OF BANKED WATER TO USBR - 2000		(32)						(2,530)			(2,027)																											(4,589)		(4,589)
ACCOUNT BALANCE		0			0			105			0			0			0			0			0			0			0			0			1,812				1,917		1,917
FK - AE/ID4		0			2,063			0			0			0			0			0			0			0			0			0			0				2,063		2,063
PHYSICAL RECHARGE -FK - SECTION 215		1,460																													1,321			1,396				2,856		2,856
TRANSACTIONS - FK - SECTION:																																								
4% RESERVE																															(53)			(56)				(56)		(56)
SALE OF BANKED WATER TO USBR - 2000		(1,460)																																				(1,460)		(1,460)
TRANSFER FROM PIONEER - 2004		528																																				528		528
ACCOUNT BALANCE		528			0			0			0			0			0			0			0			0			0			1,268			1,340				1,868		1,868
PHYSICAL RECHARGE - KR - KTRG/ID4						496					1,010																											1,506		1,506
TRANSACTIONS - KR - KTRG/ID4:																																								
4% RESERVE											(40)																											(40)		(40)
TRANSFER FROM PIONEER - 2004		1,601																																				1,601		1,601
ACCOUNT BALANCE		1,601				496		0			970			0			0			0			0			0			0			0			0				3,067		3,067
PHYSICAL RECHARGE - KR - FLOOD								2,007			6,239																								4,194			12,440		12,440
TRANSACTIONS - KR - FLOOD:																																								
4% RESERVE											(250)																								(168)			(418)		(418)
SALE OF BANKED WATER TO USBR - 2000								(1,187)																														(1,187)		(1,187)
SALE OF BANKED WATER TO CVP - 2000								(513)			(5,489)																											(6,002)		(6,002)
SALE OF BANKED WATER TO MADERA - 2000								(227)			(327)																											(554)		(554)
ACCOUNT BALANCE		0			0			80			173			0			0			0			0			0			0			0			4,026				4,279		4,279
PHYSICAL RECHARGE - KR - HACIENDA						8,984																																8,984		8,984
TRANSACTIONS - KR - HACIENDA:																																								
TRANSFER FROM DWR FOR PURCHASE OF PROPERTY - 12/5/95						3,998																																3,998		3,998
SALE OF BANKED WATER TO CVP - 2000						(3,998)																																(3,998)		(3,998)
ACCOUNT BALANCE		0				8,984		0			0			0			0			0			0			0			0			0			0				8,984		8,984
KR - ID4/KERN TULARE SETTLEMENT		7,445																																				7,445		7,445
TOTAL	11,589	528	9,046	30,794	2,063	9,480	4,112	105	80	25,634	0	1,143	69	0	0	7,790	0	0	0	0	0	0	0	0	0	0	0	4,663	0	0	35,755	1,268	0	15,905	3,152	4,026	136,311	7,116	23,775	167,202

KERN COUNTY WATER AGENCY

KERN WATER BANK - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1995 SWP	1995 FK	1995 KR	1996 SWP	1996 FK	1996 KR	1999 SWP	1999 FK	1999 KR	2005 SWP	2005 FK	2005 KR	TOTAL SWP	TOTAL FK	TOTAL KR	TOTAL
PHYSICAL RECHARGE - SWP	647			16,985			326						17,958			17,958

TABLE 3D-20

SEMITROPIC WATER STORAGE DISTRICT

KERN WATER BANK - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1995			1996			1997			1998			1999			2000			2001			2002			2003			2004			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP				11,496			26,500			6,021			15,597												29,508						35,821			10,383			135,326			**135,326**
TRANSACTIONS - SWP:																																								
4% RESERVE										(241)			(624)												(1,180)						(1,433)			(415)			(3,893)			**(3,893)**
EXCH. OF SWP SURFACE WATER FOR WMWC BANKED WATER - 1/14/97	2,000																																				2,000			**2,000**
TRANSFER FROM DWR FOR PURCHASE OF PROPERTY - 12/5/95				84																																	84			**84**
EXCH. OF SWP SURFACE WATER FOR BANKED WATER WITH DWR - 7/1/97							1,851																														1,851			**1,851**
EXCH. OF SWP SURFACE WATER FOR WMWC BANKED WATER - 12/5/97	1,692																																				1,692			**1,692**
SALE OF BANKED WATER TO USBR - 2000																8,872																					8,872			**8,872**
5% LOSSES ON SALE OF BANKED WATER TO USBR - 2000				(444)																																	(444)			**(444)**
TRANSFER TO PASTORIA TRUST - 8/6/01				(1,000)																																	(1,000)			**(1,000)**
EXCH. OF BANKED WATER FOR WRMWSD SURFACE WATER - 9/1/00				(9,208)																																	(9,208)			**(9,208)**
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2001				(538)																																	(538)			**(538)**
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2004							(155)																														(155)			**(155)**
SALE OF BANKED WATER TO EWA - 2005										(3,685)																					3,685						0			**0**
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2005										(184)																											(184)			**(184)**
TRANSFER TO WHEELER RIDGE-MARICOPA - 6/20/05																															(10,000)						(10,000)			**(10,000)**
PHYSICAL RECOVERY - SWP																																								
SALE OF GROUNDWATER TO EWA - 2001	(3,692)			(390)			(6,685)																														(10,767)			**(10,767)**
IN-DISTRICT 2002																(1,727)																					(1,727)			**(1,727)**
IN-DISTRICT 2003							(15,893)																														(15,893)			**(15,893)**
IN-DISTRICT 2004							(2,509)						(11,226)												(28,328)												(42,063)			**(42,063)**
SALE TO EWA - 2004							(3,109)																														(3,109)			**(3,109)**
ACCOUNT BALANCE	0			0			0			1,911			3,747			7,145			0			0			0			0			28,073			9,968			50,844			**50,844**
PHYSICAL RECHARGE - SWP - ARTICLE 21													3,000						599			7,688			290			953			27,219						39,749			**39,749**
TRANSACTIONS - SWP ARTICLE 21:																																								
4% RESERVE													(120)						(24)			(308)			(12)			(38)			(1,089)						(1,591)			**(1,591)**
EXCH. OF SWP ARTICLE 21 FOR BANKED WATER WITH WMWC - 7/15/03																						251															251			**251**
PHYSICAL RECOVERY - SWP - ARTICLE 21																																								
IN-DISTRICT 2002																			(575)			(7,380)															(7,955)			**(7,955)**
ACCOUNT BALANCE	0			0			0			0			2,880			0			0			251			278			915			26,130			0			30,454			**30,454**
PHYSICAL RECHARGE - SWP - SEMITROPIC BANKERS																															18,038						18,038			**18,038**
TRANSACTIONS - SWP SEMITROPIC BANKERS:																																								
4% RESERVE																															(722)						(722)			**(722)**
ACCOUNT BALANCE	0			0			0			0			0			0			0			0			0			0			17,316			0			17,316			**17,316**
PHYSICAL RECHARGE - FK - FLOOD		22						1,826			1,464																								1,309			4,621		**4,621**
TRANSACTIONS - FK FLOOD:																																								
4% RESERVE											(59)																								(52)			(111)		**(111)**
SALE OF BANKED WATER TO USBR - 2000		(22)						(1,753)			(1,405)																											(3,180)		**(3,180)**
ACCOUNT BALANCE		0			0			73			0			0			0			0			0			0			0			0			1,257			1,330		**1,330**
PHYSICAL RECHARGE -FK - SWID DIRECT		0			4,076			0			0			0			0			0			0			0			0			0			0			4,076		**4,076**
PHYSICAL RECHARGE - FK - SECTION 215		1,012																													3,930						1,012			**1,012**
TRANSACTIONS - FK 215:																																								
4% RESERVE																															(157)						0			**0**
EXCH.OF BANKED WATER FOR SWP SURFACE WATER WITH WK - 10/15/04		(459)																																			(459)			**(459)**
ACCOUNT BALANCE		553			0			0			0			0			0			0			0			0			0			3,773			0			553		**553**
PHYSICAL RECHARGE - KR - FLOOD								1,390			5,028																								2,907			9,325		**9,325**
TRANSACTIONS - KR FLOOD:																																								
4% RESERVE											(201)																								(116)			(317)		**(317)**
SALE OF BANKED WATER TO USBR - 2000								(1,334)																														(1,334)		**(1,334)**
ACCOUNT BALANCE		0			0			56			4,827			0			0			0			0			0			0			0			2,791			7,674		**7,674**
PHYSICAL RECHARGE - KR - CITY MISCELLANEOUS											1,226																											1,226		**1,226**
TRANSACTIONS - KR CITY MISC:																																								
4% RESERVE											(49)																											(49)		**(49)**
PHYSICAL RECOVERY:																																								
IN-DISTRICT 2001											(1,140)																											(1,140)		**(1,140)**
ACCOUNT BALANCE		0			0			0			37			0			0			0			0			0			0			0			0			37		**37**
PHYSICAL RECHARGE - KR - BUENA VISTA/KWBA											990																											990		**990**
TRANSACTIONS - KR BUENA VISTA/KWBA:																																								
4% RESERVE											(40)																											(40)		**(40)**
ACCOUNT BALANCE		0			0			0			950			0			0			0			0			0			0			0			0			950		**950**
PHYSICAL RECHARGE - KR - HACIENDA					4,082						827																											4,909		**4,909**
TRANSACTIONS - KR - HACIENDA:																																								
4% RESERVE											(33)																											(33)		**(33)**
TRANSFER FROM DWR FOR PURCHASE OF PROPERTY - 12/5/95					2,772																																	2,772		**2,772**
SALE OF BANKED WATER TO USBR - 2000					(4,358)																																	(4,358)		**(4,358)**
PHYSICAL RECOVERY - KR - HACIENDA																																								
IN-DISTRICT 2001:											(770)																											(770)		**(770)**
ACCOUNT BALANCE		0			2,496			0			24			0			0			0			0			0			0			0			0			2,520		**2,520**
TOTAL ACCOUNT BALANCE	0	553	0	0	4,076	2,496	0	73	56	1,911	0	5,838	6,627	0	0	7,145	0	0	0	0	0	251	0	0	278	0	0	915	0	0	71,519	3,773	0	9,968	1,257	2,791	98,614	9,732	11,181	**119,527**

TEJON CASTAC WATER DISTRICT

KERN WATER BANK - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1995			1996			1997			1998			1999			2000			2001			2002			2003			2004			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	1,874			995			7			1,067			242			1,293												62						2,133			7,673			**7,673**
TRANSACTIONS - SWP:																																								
4% RESERVE										(43)			(10)			(52)												(2)						(85)			(192)			**(192)**
TRANSFER FROM DWR FOR PURCHASE OF PROPERTY - 12/5/95				25																																	25			**25**
EXCHANGE OF SWP SURFACE WATER FOR BANKED WATER WITH DWR - 7/1/97							555																														555			**555**
EXCHANGE OF SWP SURFACE WATER FOR BANKED WMWC WATER - 11/14/97	566																																				566			**566**
EXCHANGE OF SWP SURFACE WATER FOR BANKED WMWC WATER - 12/21/01										808																											808			**808**
SALE OF BANKED WATER TO USBR - 2000																1,250																					1,250			**1,250**
5% LOSSES ON SALE OF BANKED WATER TO USBR - 2000																			(63)																		(63)			**(63)**
SALE OF BANKED WATER TO CVP - 2000																3,500																					3,500			**3,500**
5% LOSSES ON SALE OF BANKED WATER TO CVP - 2000																			(175)																		(175)			**(175)**
SALE TO BANKED SWP WATER EWA - 2001	(1,000)																		1,000																		0			**0**
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2001																			(50)																		(50)			**(50)**
EXCHANGE OF SWP SURFACE WATER FOR BANKED WMWC WATER - 10/23/02																1,900																					1,900			**1,900**
SALE OF BANKED SWP WATER EWA - 2002	(586)			(1,020)			(562)						(232)									2,400															0			**0**
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2002																			(120)																		(120)			**(120)**
SALE OF BANKED SWP WATER EWA - 2003	(854)									(1,832)						(1,028)									3,714												0			**0**
5% LOSSES ON SALE OF BANKED WATRE TO EWA - 2003																			(186)																		(186)			**(186)**
TRANSFER TO PIONEER PROJECT - 2004																									(1,081)												(1,081)			**(1,081)**
TRANSFER FROM PIONEER PROJECT - 2004										51			92																								143			**143**
SALE OF BANKED SWP WATER EWA - 2004																(933)												933									0			**0**
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2004																			(47)																		(47)			**(47)**
SALE OF BANKED SWP WATER EWA - 2005																(2,574)															2,574						0			**0**
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2005																			(129)																		(129)			**(129)**
ACCOUNT BALANCE	0			0			0			51			92			3,356			230			2,400			2,633			993			2,574			2,048			14,377			**14,377**
PHYSICAL RECHARGE - SWP - ARTICLE 21																505			180			122			80			486			3,175			1,197			5,745	0	0	**5,745**
TRANSACTIONS - SWP ARTICLE 21:																																								
4% RESERVE																(20)			(7)			(5)			(3)			(19)			(127)			(48)			(229)			**(229)**
EXCHANGE OF SWP ARTICLE 21 FOR BANKED WATER WITH WMWC - 7/15/03																									50												50			**50**
TRANSFER FROM PIONEER PROJECT - 2004																			49																		49			**49**
ACCOUNT BALANCE	0			0			0			0			0			485			222			117			127			467			3,048			1,149			5,615			**5,615**
PHYSICAL RECHARGE - FK - FLOOD		7						548			438																								392			1,385		**1,385**
TRANSACTIONS - FK FLOOD:																																								
4% RESERVE											(17)																								(16)			(33)		**(33)**
ACCOUNT BALANCE		7			0			548			421			0			0			0			0			0			0			0			376			1,352		**1,352**
PHYSICAL RECHARGE - FK - SECTION 215		303			2,974																											302			339			3,616		**3,616**
TRANSACTIONS - FK 215:																																								
4% RESERVE																																(12)			(14)			(14)		**(14)**
SALE OF BANKED WATER TO USBR - 2000		(303)			(947)																																	(1,250)		**(1,250)**
TRANSFER FROM PIONEER PROJECT - 2004					792																																	792		**792**
ACCOUNT BALANCE		0			2,819			0			0			0			0			0			0			0			0			290			325			3,144		**3,144**
PHYSICAL RECHARGE - KR - FLOOD									418			1,507																								875			2,800	**2,800**
TRANSACTIONS - KR FLOOD:																																								
4% RESERVE												(60)																								(35)			(95)	**(95)**
SALE OF BANKED WATER TO CVP - 2000									(401)			(1,447)																										(1,848)	**(1,848)**
ACCOUNT BALANCE		0			0			17			0			0			0			0			0			0			0			0			840			857	**857**
PHYSICAL RECHARGE - KR - CITY MISCELLANEOUS					262			70			931																											1,263	**1,263**
TRANSACTIONS - KR CITY MISC:																																								
4% RESERVE												(37)																											(37)	**(37)**
TRANSFER TO PASTORIA TRUST - 8/6/01					(262)			(38)																															(300)	**(300)**
ACCOUNT BALANCE		0			0			32			894			0			0			0			0			0			0			0			0			926	**926**
PHYSICAL RECHARGE - KR - BUENA VISTA/KWBA											296																											296	**296**
TRANSACTIONS - KR BUENA VISTA/KWBA:																																								
4% RESERVE												(12)																											(12)	**(12)**
ACCOUNT BALANCE		0			0			0			284			0			0			0			0			0			0			0			0			284	**284**
PHYSICAL RECHARGE - KR - HACIENDA/KWBA											1,044																											1,044	**1,044**
TRANSACTIONS - KR - HACIENDA/KWBA:																																								
4% RESERVE												(42)																											(42)	**(42)**
TRANSFER FROM DWR FOR PURCHASE OF PROPERTY - 12/5/95					832																																	832		**832**
SALE OF BANKED WATER TO CVP - 2000					(832)							(820)																											(1,652)	**(1,652)**
TRANSFER FROM PIONEER PROJECT - 2004												97																											97	**97**
ACCOUNT BALANCE		0			0			0			279			0			0			0			0			0			0			0			0			279		279
TOTAL ACCOUNT BALANCE	0	7	0	0	2,819	0	0	548	49	51	421	1,457	92	0	0	3,841	0	0	452	0	0	2,517	0	0	2,760	0	0	1,460	0	0	5,622	290	0	3,197	701	840	19,992	4,786	2,346	**27,124**

WESTSIDE MUTUAL WATER COMPANY

KERN WATER BANK - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1983			1986			1993			1995			1996			1997			1998			1999			2000			2001			2002			2003			2004			2005			2006			TOTAL		
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP										37,572			10,949			3,272			29,115			4,230			523									3,760			1,959			4,823			53,370			149,573			**149,573**
TRANSACTIONS - SWP:																																																
4% RESERVE																			(1,165)			(169)			(21)									(150)			(78)			(193)			(2,135)			(3,911)			**(3,911)**
EXCHANGE FOR SWP SURFACE WATER WITH ID4 - 10/14/96										(5,000)																																				(5,000)			**(5,000)**
EXCHANGE FOR SWP SURFACE WATER WITH SWSD - 1/14/97										(2,000)																																				(2,000)			**(2,000)**
TRANSFER FROM DWR FOR PURCHASE OF PROPERTY - 12/5/95													608																																	608			**608**
EXCHANGE OF SWP SURFACE WATER FOR BANKED WATER WITH DWR - 7/1/97																13,339																														13,339			**13,339**
EXCHANGE FOR SWP SURFACE WATER WITH SWSD - 12/5/97										(1,692)																																				(1,692)			**(1,692)**
EXCHANGE FOR SWP SURFACE WATER WITH TJCWD - 11/14/97										(566)																																				(566)			**(566)**
EXCHANGE FOR SWP SURFACE WATER WITH DRWD - 01/03/00																									(1,500)																					(1,500)			**(1,500)**
EXCHANGE FOR SWP SURFACE WATER WITH TJCWD - 12/21/01																			(808)																											(808)			**(808)**
SALE OF FRIANT-KERN BANKED WATER TO HARRIS RANCH - 1998																			20,000																											20,000			**20,000**
SALE OF BANKED WATER TO USBR - 2000																									36,148																					36,148			**36,148**
5% LOSSES ON SALE OF BANKED WATER TO USBR - 2000										(1,807)																																				(1,807)			**(1,807)**
SALE OF BANKED WATER TO MADERA - 2000																									8,200																					8,200			**8,200**
SALE OF BANKED WATER TO CVP - 2000																									13,575																					13,575			**13,575**
5% LOSSES ON SALE OF BANKED WATER TO CVP - 2000										(679)																																				(679)			**(679)**
SALE OF BANKED SWP WATER EWA - 2001										(15,000)																		15,000																		0			**0**
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2001										(750)																																				(750)			**(750)**
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2001										(1,000)																																				(1,000)			**(1,000)**
EXCHANGE FOR SWP SURFACE WATER WITH WMWSD - 1/28/02																									(1,440)																					(1,440)			**(1,440)**
EXCHANGE FOR SWP SURFACE WATER WITH TJCWD - 10/23/02																									(1,900)																					(1,900)			**(1,900)**
SALE OF BANKED SWP WATER EWA - 2002										(8,395)						(771)			(4,134)												13,224			76												0			**0**
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2002																									(2,500)																					(2,500)			**(2,500)**
EXCH. OF SWP ARTICLE 21 FOR BANKED WATER WITH SWSD, TCWD, WRMWSD - 7/15/03																			(2,818)																											(2,818)			**(2,818)**
EXCHANGE OF SWP ARTICLE 21 FOR BANKED WATER FOR 2002 EWA SALE - 2002																			(4,362)																											(4,362)			**(4,362)**
SALE OF BANKED WATER TO EWA - 2003										(9)			(606)			(1,791)			(8,141)			(2,228)												32,191												19,416			**19,416**
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2003																												(1,610)																		(1,610)			**(1,610)**
SALE OF BANKED WATER TO KERN NATIONAL REFUGE - 2003																																		10,000												10,000			**10,000**
EXCHANGE OF BANKED WATER FOR SWP SURFACE WATER WITH WK - 10/15/04																																		(2,535)												(2,535)			**(2,535)**
EXCHANGE OF BANKED WATER FOR SWP SURFACE WATER WITH DRWD - 2004																																					3,850									3,850			**3,850**
EXCHANGE OF NICKEL WATER FOR BANKED SWP WATER - 2004																															(5,391)															(5,391)			**(5,391)**
TRANSFER TO PIONEER PROJECT - 2004 (LOST HILLS)																																		(23,907)												(23,907)			**(23,907)**
TRANSFER FROM PIONEER PROJECT - 2004 (LOST HILLS)							19,032			4,575			300																																	23,907			**23,907**
TRANSFER TO PIONEER PROJECT - 2004 (BELRIDGE)																																		(19,435)												(19,435)			**(19,435)**
TRANSFER FROM PIONEER PROJECT - 2004 (BELRIDGE)							10,814			5,627			229						1,027									585																		18,282			**18,282**
PURCHASE FROM THE CITY OF BAKERSFIELD - 9/30/2004	171																																													0			**0**
EXCHANGE OF BANKED WATER FOR KAWEAH RIVER WATER - 9/10/04																															(2,291)															(2,291)			**(2,291)**
SALE OF BANKED WATER TO EWA - 2004																									(7,772)												7,772									0			**0**
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2004																									(389)																					(389)			**(389)**
SALE OF BANKED WATER TO EWA -2005																									(14,737)															14,737						0			**0**
5% LOSSES ON SALE OF BANKED WATER TO EWA - 2005																									(737)																					(737)			**(737)**
PHYSICAL RECOVERY - SWP:																																																
IN-DISTRICT - BELRIDGE 2001																(5,674)																														(5,674)			**(5,674)**
SALE TO EWA - 2001										(674)			(10,951)			(8,375)																														(20,000)			**(20,000)**
SALE TO EWA - 2002																			(27,687)			(1,833)																								(29,520)			**(29,520)**
TRANSFER FROM PIONEER PROJECT - 2004 (BELRIDGE)										1,153																																				1,153			**1,153**
IN-DISTRICT - LOST HILLS 2003 (CVC LOSSES)																												(232)																		(232)			**(232)**
ACCOUNT BALANCE	**171**			**0**			**29,846**			**11,355**			**529**			**0**			**1,027**			**0**			**27,450**			**13,743**			**5,542**			**0**			**13,503**			**19,367**			**51,236**			**173,598**			**173,598**
PHYSICAL RECHARGE - SWP - ARTICLE 21													7,468			2,492									12,037			4,499			2,769			2,226			5,962			82,100			39,526			159,079	0	0	**159,079**
TRANSACTIONS - SWP ARTICLE 21:																																																
4% RESERVE																									(481)			(180)			(111)			(89)			(238)			(3,284)			(1,581)			(5,964)			**(5,964)**
TRANSFER OF SWP ARTICLE 21 BANKED WATER TO WRMWSD - 10/31/03													(3,530)																																	(3,530)			**(3,530)**
EXCHANGE OF SWP ARTICLE 21 FOR BANKED WATER FOR 2002 EWA SALE - 2002																																		4,362												4,362			**4,362**
SALE OF BANKED WATER TO EWA - 2003													(3,938)			(2,492)									(11,556)			(1,431)																		(19,417)			**(19,417)**
EXCHANGE OF BANKED WATER FOR SWP SURFACE WATER WITH WK - 10/15/04																																		(470)												(470)			**(470)**
ACCOUNT BALANCE	**0**			**0**						**0**			**0**			**0**			**0**			**0**			**0**			**2,888**			**2,658**			**6,029**			**5,724**			**78,816**			**37,945**			**134,060**			**134,060**
PHYSICAL RECHARGE - FK - FLOOD										161						13,166			10,544																								9,439			33,310			**33,310**
TRANSACTIONS - FK - FLOOD:																																																
4% RESERVE																			(422)																								(378)			(800)			**(800)**
SALE OF FRIANT-KERN BANKED WATER TO HARRIS RANCH - 1998																(3,365)																														(3,365)			**(3,365)**
5% LOSSES ON SALE OF BANKED WATER TO HARRIS RANCH - 1998																(168)																														(168)			**(168)**
SALE OF BANKED WATER TO USBR - 2000										(161)																																				(161)			**(161)**
PURCHASE FROM THE CITY OF BAKERSFIELD 9/30/2004		5,500																																												0			**0**
ACCOUNT BALANCE	**0**	**5,500**								**0**			**0**			**9,633**			**10,122**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**9,061**			**28,816**			**28,816**
PHYSICAL RECHARGE - FK - RIPARIAN										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,580		0			0			0			0			0			0			6,580			**6,580**
TRANSACTION FK - RIPARIAN:																																														0			
4% RESERVE																									(263)																					(263)			**(263)**
SALE OF BANKED WATER TO USBR - 2000																									(6,317)																					(6,317)			**(6,317)**
ACCOUNT BALANCE	**0**	**0**								**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**
PHYSICAL RECHARGE - FK - WWD/MADERA										0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,708		0			0			0			0			0			0			7,708			**7,708**
TRANSACTION - FK - WWD/MADERA:																																																
4% RESERVE																									(308)																					(308)			**(308)**
ACCOUNT BALANCE	**0**	**0**								**0**			**0**			**0**			**0**			**0**			**7,400**			**0**			**0**			**0**			**0**			**0**			**0**			**7,400**			**7,400**
PHYSICAL RECHARGE - FK - SECTION 215										7,289			2,349						2,170			2,703			1,023															21,056			8,838			45,428			**45,428**
TRANSACTION - FK - SECTION 215:																																																
4% RESERVE																			(87)			(108)			(41)															(842)			(354)			(1,432)			**(1,432)**
PURCHASE OF BANKED WATER FROM RRBWSD - 2/6/97													6,690																																	6,690			**6,690**
EXCHANGE OF LR SURFACE WATER FOR BANKED WATER FROM CITY - 10/29/97																604																														604			**604**
TRANSFER OF BANKED WATER FROM DRWD - 4/30/98										1,290			6,769																																	8,059			**8,059**
SALE OF FRIANT-KERN BANKED WATER TO HARRIS RANCH - 1998										(8,015)			(8,620)																																	(16,635)			**(16,635)**
5% LOSSES ON SALE OF BANKED WATER TO HARRIS RANCH - 1998										(401)			(431)																																	(832)			**(832)**
SALE OF BANKED WATER TO USBR - 2000										(163)			(94)						(2,044)			(2,587)			(982)																					(5,870)			**(5,870)**
SALE OF BANKED WATER TO KERN NATIONAL REFUGE - 2003													(6,663)			(27)																														(6,690)			**(6,690)**
ACCOUNT BALANCE	**0**	**0**								**0**			**0**			**577**			**39**			**8**			**0**			**0**			**0**			**0**			**0**			**20,214**			**8,484**			**29,322**			**29,322**

TABLE 3D-23b

WATER TYPE	1983			1986			1993			1995			1996			1997			1998			1999			2000			2001			2002			2003			2004			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSCIAL RECHARGE - FK - TID/WESTSIDE											2,914																																		2,914			**2,914**
TRANSACTION - FK - TID/WESTSIDE:																																																
SALE OF BANKED WATER TO USBR - 2000											(310)																																		(310)			**(310)**
ACCOUNT BALANCE		**0**			**0**						**2,604**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**2,604**			**2,604**
PHYSCIAL RECHARGE - FK - KAWEAH RIVER																																													0			**0**
TRANSACTION - FK - KAWEAH RIVER:																																																
EXCHANGE OF 2002 BANKED SWP WATER FOR SURFACE WATER - 9/10/04																																					2,291								2,291			**2,291**
ACCOUNT BALANCE		**0**			**0**						**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**0**			**2,291**			**0**			**0**			**2,291**			**2,291**
PHYSICAL RECHARGE - KR - FLOOD																	10,022			36,232																						20,945			67,199			**67,199**
TRANSACTION - KR - FLOOD:																																																
4% RESERVE																				(1,449)																						(838)			(2,287)			**(2,287)**
ACCOUNT BALANCE			**0**			**0**						**0**			**0**			**10,022**			**34,783**			**0**			**0**																**20,107**			**64,912**			**64,912**
PHYSICAL RECHARGE KR - CITY MISC															17,367			1,923			24,146																						5,905			49,341			**49,341**
TRANSACTION - KR - CITY MISC:																																																
4% RESERVE																				(966)																						(236)			(1,202)			**(1,202)**
TRANSFER TO PASTORIA TRUST - 8/6/01																				(7,209)																									(7,209)			**(7,209)**
SALE OF BANKED WATER TO KERN NATIONAL REFUGE - 2003																				(3,310)																									(3,310)			**(3,310)**
PHYSICAL RECOVERY:																																																
IN-DISTRICT BELRIDGE - 2001															(17,367)			(1,836)		(614)																									(19,817)			**(19,817)**
IN-DISTRICT BELRIDGE - 2002																		(87)		(10,191)																									(10,278)			**(10,278)**
ACCOUNT BALANCE			**0**			**0**						**0**			**0**			**0**			**1,856**			**0**			**0**																**5,669**			**7,525**			**7,525**
KR - BUENA VISTA/KWBA																				7,128																									7,128			**7,128**
TRANSACTION - BUENA VISTA/KWBA																																																
4% RESERVE																				(285)																									(285)			**(285)**
ACCOUNT BALANCE			**0**			**0**						**0**			**0**			**0**			**6,843**			**0**			**0**																			**6,843**			**6,843**
KR - HACIENDA/KWBA																				24,239																									24,239			**24,239**
TRANSACTION - KR - HACIENDA/KWBA																																																
4% RESERVE																				(969)																									(969)			**(969)**
TRANSFER FROM DWR FOR PURCHASE OF PROPERTY - 12/5/95															19,975																														19,975			**19,975**
ACCOUNT BALANCE			**0**			**0**						**0**			**19,975**			**0**			**23,270**			**0**			**0**																			**43,245**			**43,245**
KR - WESTSIDE/HACIENDA											78,511						18,792			8,292																									105,595			**105,595**
TRANSACTION - KR - WESTSIDE/HACIENDA:																																																
4% RESERVE																				(332)																									(332)			**(332)**
SALE OF BANKED WATER TO USBR - 2000											(23,490)																																		(23,490)			**(23,490)**
SALE OF BANKED WATER TO MADERA - 2000											(8,200)																																		(8,200)			**(8,200)**
SALE OF BANKED WATER TO CVP - 2000											(13,575)																																		(13,575)			**(13,575)**
EXCHANGE OF NICKEL WATER FOR BANKED SWP WATER - 2004																																					5,391								5,391			**5,391**
ACCOUNT BALANCE			0			0					33,246				0		18,792			7,960				0			0										5,391								65,389			**65,389**
TOTAL ACCOUNT BALANCE	**171**	**0**	**0**	**0**	**5,500**	**0**	**29,846**	**0**	**0**	**11,355**	**2,604**	**33,246**	**529**	**0**	**19,975**	**0**	**10,210**	**28,814**	**1,027**	**10,161**	**74,712**	**0**	**8**	**0**	**27,450**	**7,400**	**0**	**16,631**	**0**	**0**	**8,200**	**0**	**0**	**6,029**	**0**	**0**	**19,227**	**2,291**	**5,391**	**98,183**	**20,214**	**0**	**89,181**	**17,545**	**25,776**	**307,829**	**75,933**	**187,914**	**571,676**

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

KERN WATER BANK - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES IN ACRE-FEET

WATER TYPE	1993			1995			1996			1997			1998			1999			2000			2001			2002			2003			2004			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP				44,070			8,677			81			17,447			6,471															3,232			14,685			24,355			119,018			**119,018**
TRANSACTIONS - SWP:																																											
4% RESERVE													(698)			(259)															(130)			(587)			(974)			(2,648)			**(2,648)**
TRANSFER FROM DWR FOR PURCHASE OF PROPERTY - 12/5/95							304																																	304			**304**
EXCH. OF SWP SURFACE WATER FOR BANKED WATER WITH DWR - 7/1/97										6,670																														6,670			**6,670**
SALE OF BANKED WATER TO USBR - 2000																			18,074																					18,074			**18,074**
5% LOSSES ON SALE OF BANKED WATER TO USBR - 2000				(904)																																				(904)			**(904)**
SALE OF BANKED WATER TO CVP - 2000																			18,000																					18,000			**18,000**
5% LOSSES ON SALE OF BANKED WATER TO CVP - 2000				(900)																																				(900)			**(900)**
EXCH. OF SWP SURFACE WATER FOR ID4 BANKED WATER - 9/1/00																			10,000																					10,000			**10,000**
EXCH. OF SWP SURFACE WATER FOR SWSD BANKED WATER - 9/1/00							9,208																																	9,208			**9,208**
TRANSFER TO PASTORIA TRUST - 8/6/01				(3,605)																																				(3,605)			**(3,605)**
EXCH. OF SWP SURFACE WATER FOR WMWC BANKED WATER - 1/28/02																			1,440																					1,440			**1,440**
SALE OF BANKED WATER TO EWA - 2003				(17,334)																								17,334												0			**0**
5% OUT-OF-COUNTY LOSSES EWA SALE - 2003				(867)																																				(867)			**(867)**
TRANSFER TO THE PIONEER PROJECT - 2004																												(17,334)			(3,102)									(20,436)			**(20,436)**
TRANSFER FROM PIONEER PROJECT - 2004	19,347			5,022			11						75			3,432																								27,887			**27,887**
SALE OF BANKED WATER TO EWA - 2005				(11,053)																														11,053						0			**0**
5% OUT-OF-COUNTY LOSSES EWA SALE - 2005				(553)																																				(553)			**(553)**
TRANSFER TO WEST KERN WD - 10/26/05																																		(20,000)						(20,000)			**(20,000)**
TRANSFER FROM SEMITROPIC WSD - 6/20/05																																		10,000						10,000			**10,000**
PHYSICAL RECOVERY - SWP																																											
IN-DISTRICT 2001				(1,556)																																				(1,556)			**(1,556)**
ACCOUNT BALANCE	19,347			12,320			18,200			6,751			16,824			9,644			47,514			0			0			0			0			15,151			23,381			169,132			**169,132**
PHYSICAL RECHARGE - SWP - ARTICLE 21																			2,536			2,544			1,361			1,387			2,769			57,119			13,020			80,736	0	0	**80,736**
TRANSACTIONS - SWP ARTICLE 21:																																											
4% RESERVE																			(101)			(102)			(54)			(55)			(111)			(2,285)			(521)			(3,229)			**(3,229)**
EXCH. OF SWP ARTICLE 21 FOR BANKED WATER WITH WMWC - 7/15/03																												2,517												2,517			**2,517**
TRANSFER OF BANKED ARTICLE 21 FROM WMWC - 10/31/03							3,530																																	3,530			**3,530**
EXCH. OF BANKED WATER FOR SWP SURFACE WATER WITH WK - 10/15/04																						(1,502)																		(1,502)			**(1,502)**
TRANSFER TO THE PIONEER PROJECT - 2004																									(1,307)			(3,849)			(2,658)									(7,814)			**(7,814)**
ACCOUNT BALANCE	0			0			3,530			0			0			0			2,435			940			0			0			0			54,834			12,499			74,238			**74,238**
PHYSICAL RECHARGE - FK - FLOOD					81						6,583			5,272																								4,714			16,650		**16,650**
TRANSACTIONS - FK FLOOD:																																											
4% RESERVE														(211)																								(189)			(400)		**(400)**
SALE OF BANKED WATER TO USBR - 2000					(1)																																			(1)			**(1)**
ACCOUNT BALANCE		0			80			0			6,583			5,061			0			0			0			0			0			0			0			4,525			16,249		**16,249**
PHYSICAL RECHARGE - FK - SECTION 215					3,644															4,820															13,064			4,417			25,945		**25,945**
TRANSACTIONS - FK SECTION 215:																																											
4% RESERVE																				(193)															(523)			(177)			(893)		**(893)**
SALE OF BANKED WATER TO USBR - 2000					(3,644)															(4,627)																					(8,271)		**(8,271)**
ACCOUNT BALANCE		0			0			0			0			0			0			0			0			0			0			0			12,541			4,240			16,781		**16,781**
PHYSICAL RECHARGE - KR - FLOOD												5,012		18,116																									10,470		33,598	**33,598**
TRANSACTIONS - KR - FLOOD:																																											
4% RESERVE														(725)																								(419)			(1,144)		**(1,144)**
SALE OF BANKED WATER TO CVP - 2000												(4,812)		(13,188)																											(18,000)		**(18,000)**
TRANSFER FROM PIONEER PROJECT - 2004														516																											516		**516**
ACCOUNT BALANCE		0			0			0			200			4,719			0			0			0			0			0			0			0			10,051			14,970		**14,970**
PHYSICAL RECHARGE - KR - CITY MISCELLANEOUS								4,071			838			11,190																											16,099		**16,099**
TRANSACTIONS - KR CITY MISCELLANEOUS:																																											
4% RESERVE														(448)																											(448)		**(448)**
5% OUT-OF-COUNTY LOSSES EWA SALE - 2003																																									0		**0**
TRANSFER TO PIONEER PROJECT - 2004														(153)																											(153)		**(153)**
PHYSICAL RECOVERY - KR CITY MISCELLANEOUS																																											
IN-DISTRICT 2001								(4,071)			(838)			(10,182)																											(15,091)		**(15,091)**
IN-DISTRICT 2002														(407)																											(407)		**(407)**
ACCOUNT BALANCE		0			0			0			0			0			0			0			0			0			0			0			0			0			0		**0**
PHYSICAL RECHARGE - KR - BUENA VISTA/KWBA														3,564																											3,564		**3,564**
TRANSACTIONS - KR - BUENA VISTA/KWBA:																																											
4% RESERVE														(143)																											(143)		**(143)**
ACCOUNT BALANCE		0			0			0			0			3,421			0			0			0			0			0			0			0			0			3,421		**3,421**
PHYSICAL RECHARGE - KR - HACIENDA/KWBA														12,530																											12,530		**12,530**
TRANSACTIONS - KR HACIENDA/KWBA																																											
4% RESERVE														(500)																											(500)		**(500)**
TRANSFER FROM DWR FOR PURCHASE OF PROPERTY - 12/5/95								9,988																																	9,988		**9,988**
SALE OF BANKED WATER TO USBR - 2000								(9,802)																																	(9,802)		**(9,802)**
ACCOUNT BALANCE		0			0			186			0			12,030			0			0			0			0			0			0			0			0			12,216		**12,216**
ACCOUNT BALANCE	19,347	0	0	12,320	80	0	21,730	0	186	6,751	6,583	200	16,824	5,061	20,170	9,644	0	0	49,949	0	0	940	0	0	0	0	0	0	0	0	0	0	0	69,985	12,541	0	35,880	8,765	10,051	243,370	33,030	30,607	**307,007**

BELRIDGE WSD

PIONEER PROPERTY- SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1995			1996			1997			1998			1999			2000			2001			2002			2003			2004			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	6,632			820						3,755			2,438			1,772			699									1,214			17,724			8,764			43,818			**43,818**
TRANSACTIONS - SWP:																																								
4% RESERVE				(33)						(150)			(98)			(71)			(28)									(49)			(709)			(351)			(1,489)			**(1,489)**
TRANSFER FROM 2800 ACRES TO PIONEER PROPERTY - 2001	1,137																																				1,137			**1,137**
TRANSFER OF BANKED WATER FOR WRMWSD'S SURFACE WATER - 2002													(1,500)																								(1,500)			**(1,500)**
TRANSFER TO PIONEER PROJECT - 2004	(846)			(356)																																	(1,202)			**(1,202)**
TRANSFER FROM PIONEER PROJECT - 2004																									1,202												1,202			**1,202**
TRANSFER TO KERN WATER BANK - 2004	(4,780)			(229)						(1,027)									(585)																		(6,621)			**(6,621)**
TRANSFER FROM KERN WATER BANK - 2004																									6,621												6,621			**6,621**
TRANSFER FROM WHEELER RIDGE-MARICOPA WSD - 08/22/06																									2,700												2,700			**2,700**
PHYSICAL RECOVERY - SWP:																																								
IN-DISTRICT - 2001	(2,050)									(219)						(1,701)																					(3,970)			**(3,970)**
IN-DISTRICT - 2004													(405)						(86)						(1,202)												(1,693)			**(1,693)**
ACCOUNT BALANCE	93			202			0			2,359			435			0			0			0			9,321			1,165			17,015			8,413			39,003			**39,003**
PHYSICAL RECHARGE - SWP ARTICLE 21																2,878			746			505			269			462			11,766			4,884			21,510			**21,510**
TRANSACTION - SWP ARTICLE 21:																																								
4% RESERVE																(115)			(30)			(20)			(11)			(18)			(471)			(195)			(860)			**(860)**
PHYSICAL RECOVERY - SWP ARTICLE 21																																								
IN-DISTRICT 2001																(2,573)																					(2,573)			**(2,573)**
IN-DISTRICT 2004																			(17)						(187)												(204)			**(204)**
ACCOUNT BALANCE	0			0			0			0			0			190			699			485			71			444			11,295			4,689			17,873			**17,873**
PHYSICAL RECHARGE - FK - 215		0			0			0			0			0			0			0			0			0			0			3,124			296			3,420		**3,420**
TRANSACTIONS - FK - 215:																																								
4% RESERVE																															(125)			(12)			(137)			**(137)**
ACCOUNT BALANCE		0			0			0			0			0			0			0			0			0			0			2,999			284			3,283		**3,283**
PHYSICAL RECHARGE KR - CITY MISC						1,297			1,105			4,806			259																								7,467	**7,467**
TRANSACTION - KR - CITY MISC:																																								
4% RESERVE						(52)			(44)			(192)			(10)																								(298)	**(298)**
PHYSICAL RECOVERY:																																								
IN-DISTRICT - 2001						(12)																																	(12)	**(12)**
IN-DISTRICT - 2004						(298)			(165)			(836)																											(1,299)	**(1,299)**
ACCOUNT BALANCE			0			935			896			3,778			249			0			0			0			0			0			0			0			5,858	**5,858**
PHYSICAL RECHARGE - KR - HACIENDA												1,320																											1,320	**1,320**
TRANSACTION - KR - HACIENDA																																								
4% RESERVE												(53)																											(53)	**(53)**
ACCOUNT BALANCE			0			0			0			1,267			0			0			0			0			0			0			0			0			1,267	**1,267**
TOTAL ACCOUNT BALANCE	93	0	0	202	0	935	0	0	896	2,359	0	5,045	435	0	249	190	0	0	699	0	0	485	0	0	9,392	0	0	1,609	0	0	28,310	2,999	0	13,102	284	0	56,876	3,283	7,125	**67,284**

BERRENDA MESA WD

PIONEER PROPERTY - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1995			1996			1997			1998			1999			2000			2001			2002			2003			2004			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	1,092			1,484						5,916			1,316			2,421			854												11,896			7,517			32,496			**32,496**
TRANSACTIONS - SWP:																																								
4% RESERVE				(59)						(237)			(53)			(97)			(34)												(476)			(301)			(1,257)			**(1,257)**
SALE OF FRIANT-KERN BANKED WATER TO HARRIS RANCH - 5/21/96	7,986																																				7,986			**7,986**
EXCHANGE FOR SWP SURFACE WATER WITH ID4 - 8/16/96				(900)																																	(900)			**(900)**
TRANSFER TO BERRENDA MESA PROJECT - 2001	(1,734)									(904)			(30)						(124)																		(2,792)			**(2,792)**
TRANSFER TO BERRENDA MESA PROJECT - 2004	(7,344)			(525)						(4,755)			(1,233)			(2,324)																					(16,181)			**(16,181)**
TRANSFER FROM BERRENDA MESA PROJECT - 2004																									16,181												16,181			**16,181**
ACCOUNT BALANCE	0			0			0			20			0			0			696			0			16,181			0			11,420			7,216			35,533			**35,533**
PHYSICAL RECHARGE - SWP ARTICLE 21																			590			376			218			524			5,397			3,965			11,070			**11,070**
TRANSACTION - SWP ARTICLE 21:																																								
4% RESERVE																			(24)			(15)			(9)			(21)			(216)			(159)			(444)			**(444)**
ACCOUNT BALANCE	0			0			0			0			0			0			566			361			209			503			5,181			3,806			10,626			**10,626**
PHYSICAL RECHARGE - FK - 215		7,986																														3,403			296			11,685		**11,685**
TRANSACTIONS - FK - 215:																																								
4% RESERVE																																(136)			(12)			(148)		**(148)**
SALE OF FRIANT-KERN BANKED WATER TO HARRIS RANCH - 5/21/96		(7,986)																																				(7,986)		**(7,986)**
ACCOUNT BALANCE		0			0			0			0			0			0			0			0			0			0			3,267			284			3,551		**3,551**
PHYSICAL RECHARGE - KR FLOOD												329																											329	**329**
TRANSACTIONS - KR FLOOD:																																								
4% RESERVE												(13)																											(13)	**(13)**
ACCOUNT BALANCE			0			0			0			316			0			0			0			0			0			0			0			0			316	**316**
PHYSICAL RECHARGE KR - CITY MISC						680			1,105			7,824			259																								9,868	**9,868**
TRANSACTION - KR - CITY MISC:																																								
4% RESERVE						(27)			(44)			(313)			(10)																								(394)	**(394)**
TRANSFER TO BERRENDA MESA PROJECT - 2001						(59)			(108)			(57)																											(224)	**(224)**
ACCOUNT BALANCE			0			594			953			7,454			249			0			0			0			0			0			0			0			9,250	**9,250**
PHYSICAL RECHARGE - KR - HACIENDA												897																											897	**897**
TRANSACTION - KR - HACIENDA																																								
4% RESERVE												(36)																											(36)	**(36)**
ACCOUNT BALANCE			0			0			0			861			0			0			0			0			0			0			0			0			861	**861**
TOTAL ACCOUNT BALANCE	**0**	**0**	**0**	**0**	**0**	**594**	**0**	**0**	**953**	**20**	**0**	**8,631**	**0**	**0**	**249**	**0**	**0**	**0**	**1,262**	**0**	**0**	**361**	**0**	**0**	**16,390**	**0**	**0**	**503**	**0**	**0**	**16,601**	**3,267**	**0**	**11,022**	**284**	**0**	**46,159**	**3,551**	**10,427**	**60,137**

BUENA VISTA WSD

PIONEER PROPERTY - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1995			1996			2002			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE SWP - ARTICLE 21													1,032			1,032			**0**
PHYSICAL RECHARGE FK - 215		0			0			0			0			301			301		**301**
TRANSACTION																			
TRANSFER OF BANKED RRBWSD FK TO BVWSD FOR ODC - 2006											3,500						3,500		**3,500**
ACCOUNT BALANCE											**3,500**			**301**			**3,801**		**3,801**
PHYSICAL RECHARGE - KR BUENA VISTA			7,083			202			337			12,295						19,917	**19,917**
PHYSICAL RECOVERY - KR BUENA VISTA																			
IN-DISTRICT 2002			-2471															-2471	**-2471**
IN-DISTRICT 2003			-2781															-2781	**-2781**
TOTAL ACCOUNT BALANCE	**-**	**-**	**1,831**	**-**	**-**	**202**	**-**	**-**	**337**	**-**	**3,500**	**12,295**	**1,032**	**301**	**-**	**1,032**	**3,801**	**14,665**	**19,498**

HENRY MILLER WD

PIONEER PROPERTY - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1995			1996			1997			1998			1999			2002			2004			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	3,759																					1,868						5,627			5,627
PHYSICAL RECOVERY - SWP:																															
IN-DISTRICT - 2001	(210)																											(210)			(210)
ACCOUNT BALANCE	**3,549**			**0**			**0**			**0**			**0**			**0**			**0**			**1,868**			**0**			**5,417**			**5,417**
PHYSICAL RECHARGE SWP - ARTICLE 21																			751			5,064						5,815			0
PHYSICAL RECHARGE FK - 215		0			0			0			0			0			0			0			1,634			27			1,661		1,661
PHYSICAL RECHARGE KR - CITY MISC												1,772			1,394															3,166	3,166
PHYSICAL RECHARGE - KR - BUENA VISTA/HENRY MILLER						4,910																								4,910	4,910
PHYSICAL RECHARGE - KR - HENRY MILLER									624																					624	624
TOTAL ACCOUNT BALANCE	**3,549**	**0**	**0**	**0**	**0**	**4,910**	**0**	**0**	**624**	**0**	**0**	**1,772**	**0**	**0**	**1,394**	**0**	**0**	**0**	**751**	**0**	**0**	**6,932**	**1,634**	**0**	**0**	**27**	**0**	**11,232**	**1,661**	**8,700**	**21,593**

IMPROVEMENT DISTRICT NO. 4

PIONEER PROPERTY - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1995			1996			1997			1998			2000			2001			2002			2003			2004			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	24,537			4,638			233			897			2									16,295			3,431			2,591			4,712			57,336			**57,336**
TRANSACTIONS - SWP:																																					
4% RESERVE				(186)			(9)			(36)												(652)			(137)			(104)			(188)			(1,312)			**(1,312)**
EXCHANGE FOR SURFACE WATER WITH BMWD - 8/16/96				900																														900			**900**
TRANSFER TO KWB - 2004	(15,458)			(5,352)																														(20,810)			**(20,810)**
TRANSFER FROM KWB - 2004																2,564			10,183			12,381												25,128			**25,128**
PHYSICAL RECOVERY - SWP																																					
IN-DISTRICT 2001	(5,671)																																	(5,671)			**(5,671)**
IN-DISTRICT 2002	(3,358)																																	(3,358)			**(3,358)**
IN-DISTRICT 2003	(50)																																	(50)			**(50)**
IN-DISTRICT 2004							(224)			(697)																								(921)			**(921)**
ACCOUNT BALANCE	0			0			0			164			2			2,564			10,183			28,024			3,294			2,487			4,524			51,242			**51,242**
PHYSICAL RECHARGE - SWP ARTICLE 21				2,875																					151			2,079			2,530			7,635			**7,635**
TRANSACTION - SWP ARTICLE 21:																																					
4% RESERVE				(115)																					(6)			(83)			(101)			(305)			**(305)**
TRANSFER TO KWB - 2004				(2,545)																														(2,545)			**(2,545)**
TRANSFER FROM KWB - 2004																						356												356			**356**
ACCOUNT BALANCE	0			215			0			0			0			0			0			356			145			1,996			2,429			5,141			**5,141**
PHYSICAL RECHARGE - FK - AE/ID4					822																														822		**822**
TRANSACTIONS - FK - AE/ID4:																																					
4% RESERVE					(33)																														(33)		**(33)**
ACCOUNT BALANCE		0			789			0			0			0			0			0			0			0			0			0				789		**789**
PHYSICAL RECHARGE - FK - 215		528																														177			705		**705**
TRANSACTIONS - FK - 215:																																					
4% RESERVE																																(7)			(7)		**(7)**
TRANSFER TO KWB - 2004		(528)																																	(528)		**(528)**
ACCOUNT BALANCE		0			0			0			0			0			0			0			0			0			0			170				170		**170**
PHYSICAL RECHARGE - KR - HACIENDA																																				0	**0**
TRANSACTION - KR - HACIENDA																																					
4% RESERVE																																				0	**0**
TRANSFER OF KCWA BANKED WATER FROM 2800 ACRES - 2001																	3,354																		3,354	**3,354**
TRANSFER OF KCWA BANKED WATER FROM 2800 ACRES - 2002																				1,820															1,820	**1,820**
PHYSICAL RECOVERY - KR - HACIENDA																																					
IN-DISTRICT - 2001																	(3,354)																		(3,354)	**(3,354)**
IN-DISTRICT - 2002																				(1,820)															(1,820)	**(1,820)**
ACCOUNT BALANCE		0			0			0			0			0			0			0			0			0			0			0				0		**0**
PHYSICAL RECHARGE - KR - ID4/KTRG SETTLEMENT		1,601																																	1,601		**1,601**
TRANSACTION - KR - ID4/KTRG SETTLEMENT																																					
4% RESERVE																																			0		**0**
TRANSFER TO KWB - 2004		(1,601)																																	(1,601)		**(1,601)**
ACCOUNT BALANCE		0			0			0			0			0			0			0			0			0			0			0				0		0
TOTAL ACCOUNT BALANCE	**0**	**0**	**0**	**215**	**789**	**0**	**0**	**0**	**0**	**164**	**0**	**0**	**2**	**0**	**0**	**2,564**	**0**	**0**	**10,183**	**0**	**0**	**28,380**	**0**	**0**	**3,439**	**0**	**0**	**4,483**	**0**	**0**	**6,953**	**170**	**0**	**56,383**	**959**	**0**	**57,342**

KERN COUNTY WATER AGENCY

PIONEER PROPERTY - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1995			1996			1998			1999			2000			2001			2002			2003			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	20,296			7,717						7,292															4,820						40,125			**40,125**
TRANSACTIONS - SWP:																																		
RECLASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO NICKEL - 2003																						618									618			**0**
SALE OF BANKED SWP WATER TO EWA - 2004B PROGRAM	(11,584)																														(11,584)			**0**
SALE OF BANKED SWP WATER TO EWA - 2005 PROGRAM	(8,712)			(258)																											(8,970)			**0**
RECLASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO NICKEL - 2006																												54			54			**0**
ACCOUNT BALANCE	0			7,459			0			7,292			0			0			0			618			4,820			54			20,243			**20,243**
PHYSICAL RECHARGE - FK - 215														7,057																		7,057		**7,057**
TRANSACTIONS - FK - 215:																																		
ACCOUNT BALANCE		0			0			0			0			7,057			0			0			0			0			0			7,057		**7,057**
PHYSICAL RECHARGE KR - CITY MISC									5,987																								5,987	**5,987**
TRANSACTION - KR - CITY MISC:																																		
ACCOUNT BALANCE			0			0			5,987			0			0			0			0			0			0			0			5,987	**5,987**
PHYSICAL RECHARGE - KR - HACIENDA									302																		669			1,161			2,132	**2,132**
TRANSACTION - KR - HACIENDA																																		
TRANSFER OF BANKED WATER FROM 2800 ACRES TO PIONEER - 9/1/01																		3,354															3,354	**3,354**
CREDIT FOR KWB CANAL LOSSES - 2001																		256															256	**256**
TRANSFER OF BANKED WATER TO ID4 IN EXCHANGE FOR SWP - 9/1/01																		(3,354)															(3,354)	**(3,354)**
TRANSFER OF BANKED WATER FROM 2800 ACRES TO PIONEER - 2002																					1,820												1,820	**1,820**
CREDIT FOR KWB CANAL LOSSES - 2002																					60												60	**60**
TRANSFER OF BANKED WATER TO ID4 IN EXCHANGE FOR SWP - 2002																					(1,820)												(1,820)	**(1,820)**
RECLASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO NICKEL - 2003									(302)									(256)			(60)												(618)	**(618)**
SALE OF BANKED SWP WATER TO EWA - 2004B PROGRAM (FACILITATED WITH 2005 LOWER RIVER)																											11,584						11,584	**11,584**
SALE OF BANKED SWP WATER TO EWA - 2005 PROGRAM (FACILITATED WITH 2005 LOWER RIVER)																											8,970						8,970	**8,970**
RECLASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO NICKEL - 2006																														(54)			(54)	**(54)**
ACCOUNT BALANCE			0			0			0			0			0			0			0			0			21,223			1,107			22,330	**22,330**
PHYSICAL RECHARGE KR - RRBWSD																																	0	**0**
TRANSACTION - KR - RRBWSD:																																		
TRANSFER FROM RRBWSD TO KCWA - 2/6/97			5,575																														5,575	**5,575**
ACCOUNT BALANCE			5,575			0			0			0			0			0			0			0			0			0			5,575	**5,575**
TOTAL ACCOUNT BALANCE	**0**	**0**	**5,575**	**7,459**	**0**	**0**	**0**	**0**	**5,987**	**7,292**	**0**	**0**	**0**	**7,057**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**618**	**0**	**0**	**4,820**	**0**	**21,223**	**54**	**0**	**1,107**	**15,369**	**7,057**	**33,892**	**61,192**

KERN DELTA WD

PIONEER PROPERTY - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1998			1999			2003			2004			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP				419			72						9,049			5,205			14,745			**14,745**
PHYSICAL RECHARGE - SWP ARTICLE 21							115			2,054			2,773			1,792			6,734			**6,734**
PHYSICAL RECHARGE - FK 215																	1,624			1,624	0	**0**
PHYSICAL RECHARGE - KR - CITY MISCELLANEOUS			608																		608	**608**
TOTAL ACCOUNT BALANCE	**0**	**0**	**608**	**419**	**0**	**0**	**187**	**0**	**0**	**2,054**	**0**	**0**	**11,822**	**0**	**0**	**6,997**	**1,624**	**0**	**21,479**	**1,624**	**608**	**23,711**

LOST HILLS WATER DISTRICT

PIONEER PROPERTY - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1994			1995			1996			1997			1998			1999			2001			2002			2003			2004			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP				12,190			3,078			5,784			7,117			1,363									2,805						8,382			8,111			48,830			**48,830**
TRANSACTIONS - SWP:																																								
4% RESERVE							(123)			(231)			(285)			(55)									(112)						(335)			(324)			(1,465)			**(1,465)**
TRANSFER TO KERN WATER BANK - 2004							(300)																														(300)			**(300)**
TRANSFER FROM KERN WATER BANK - 2004																									300												300			**300**
TRANSFER TO BERRENDA MESA PROJECT - 2004				(7,043)																																	(7,043)			**(7,043)**
TRANSFER FROM BERRENDA MESA PROJECT - 2004	338																								4,952												4,952			**4,952**
PHYSICAL RECOVERY - SWP																																					0			
IN-DISTRICT 2001				(3,810)																																	(3,810)			**(3,810)**
ACCOUNT BALANCE	338			1,337			2,655			5,553			6,832			1,308			0			0			7,945			0			8,047			7,787			41,464			**41,464**
PHYSICAL RECHARGE - SWP ARTICLE 21																			756			646			279			1,988			10,977			4,692			19,338			**19,338**
TRANSACTION - SWP ARTICLE 21:																																								
4% RESERVE																			(30)			(26)			(11)			(80)			(439)			(188)			(774)			**(774)**
TRANSFER FROM BERRENDA MESA PROJECT - 2004																						79			56			476									611			**611**
ACCOUNT BALANCE	0			0			0			0			0			0			726			699			324			2,384			10,538			4,504			19,175			**19,175**
PHYSICAL RECHARGE - FK - 215					848												999															3,144			283			5,274		**5,274**
TRANSACTIONS - FK - 215:																																								
4% RESERVE																	(40)															(126)			(11)			(177)		**(177)**
ACCOUNT BALANCE		0			848			0			0			0			959			0			0			0			0			3,018			272			5,097		**5,097**
PHYSICAL RECHARGE - KR FLOOD															298																								298	**298**
TRANSACTIONS - KR FLOOD:																																								
4% RESERVE															(12)																								(12)	**(12)**
ACCOUNT BALANCE			0			0			0			0			286			0			0			0			0			0			0			0			286	**286**
PHYSICAL RECHARGE KR - CITY MISC									1,146			960			6,670			2,302																					11,078	**11,078**
TRANSACTION - KR - CITY MISC:																																								
4% RESERVE									(46)			(38)			(266)			(92)																					(442)	**(442)**
TRANSFER FROM BERRENDA MESA PROJECT - 2004									1,142																														1,142	**1,142**
ACCOUNT BALANCE			0			0			2,242			922			6,404			2,210			0			0			0			0			0			0			11,778	**11,778**
PHYSICAL RECHARGE - KR - HACIENDA															792																								792	**792**
TRANSACTION - KR - HACIENDA																																								
4% RESERVE															(32)																								(32)	**(32)**
ACCOUNT BALANCE			0			0			0			0			760			0			0			0			0			0			0			0			760	760
TOTAL ACCOUNT BALANCE	**338**	**0**	**0**	**1,337**	**848**	**0**	**2,655**	**0**	**2,242**	**5,553**	**0**	**922**	**6,832**	**0**	**7,450**	**1,308**	**959**	**2,210**	**726**	**0**	**0**	**699**	**0**	**0**	**8,269**	**0**	**0**	**2,384**	**0**	**0**	**18,585**	**3,018**	**0**	**12,291**	**272**	**0**	**60,639**	**5,097**	**12,824**	**78,560**

ROSEDALE-RIO BRAVO WSD

PIONEER PROPERTY - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1995			1996			1997			2001			2002			2003			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP				136																					136			**136**
PHYSICAL RECHARGE - SWP ARTICLE 21																						392			392			**392**
PHYSICAL RECHARGE - FK - AE/RRB					9,557			23			1,186						8,560			20,187						39,513		**39,513**
TRANSACTION - FK - AE/RRB:																												
SALE OF BANKED WATER TO WMWC - 2/6/97					(6,690)																					(6,690)		**(6,690)**
TRANSFER OF BANKED RRBWSD FK TO BVWSD FOR ODC - 2006																				(3,500)						(3,500)		**(3,500)**
ACCOUNT BALANCE		0			2,867			23			1,186			0			8,560			16,687			0			29,323		**29,323**
PHYSICAL RECHARGE - FK 215																							536			536		**536**
PHYSICAL RECHARGE - FK - KTRG/RRB																				19						19		**19**
PHYSICAL RECHARGE KR - RRBWSD			5,974			563			2,128			747			1,829			159			181						11,581	**11,581**
TRANSACTION - KR - RRBWSD:																												
TRANSFER FROM RRBWSD TO KCWA - 2/6/97			(5,575)																								(5,575)	**(5,575)**
TRANSFER FROM CITY OF BAKERSFIELD TO ROSEDALE - 12/31/2005																					7,292						7,292	**7,292**
ACCOUNT BALANCE			399			563			2,128			747			1,829			159			7,473			0			13,298	**13,298**
TOTAL ACCOUNT BALANCE	**0**	**0**	**399**	**136**	**2,867**	**563**	**0**	**23**	**2,128**	**0**	**1,186**	**747**	**0**	**0**	**1,829**	**0**	**8,560**	**159**	**0**	**16,706**	**7,473**	**392**	**536**	**0**	**528**	**29,878**	**13,298**	**43,704**

SEMITROPIC WSD

PIONEER PROPERTY - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1995			1996			1997			2001			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP				41			98						13,966			4,630			18,735			**18,735**
TRANSACTIONS - SWP:																						
4% RESERVE				(2)			(4)						(559)			(185)			(750)			**(750)**
TRANSFER OF BANKED WATER FROM 2800 ACRES - 2001	2,478																		2,478			**2,478**
TRANSFER OF BANKED WATER FROM KERN RIVER CHANNEL - 2001							1,660												1,660			**1,660**
PHYSICAL RECOVERY - SWP																						
IN-DISTRICT 2001	(2,478)			(38)			(1,751)												(4,267)			**(4,267)**
ACCOUNT BALANCE	0			1			3			0			13,407			4,445			17,856			**17,856**
PHYSICAL RECHARGE - SWP ARTICLE 21													3,359			3,507			6,866			**6,866**
TRANSACTIONS - SWP ARTICLE 21:																						
4% RESERVE													(134)			(140)			(274)			**(274)**
ACCOUNT BALANCE	0			0			0			0			3,225			3,367			6,592			**6,592**
PHYSICAL RECHARGE - FK 215														6,086			250			6,336		**6,336**
TRANSACTIONS - FK 215:																						
4% RESERVE														(243)			(10)			(253)		**(253)**
ACCOUNT BALANCE		0				0		0			0			5,843			240			6,083		**6,083**
PHYSICAL RECHARGE - FK - SWID DIRECT					509															509		**509**
TRANSACTIONS - FK - 215:																						
4% RESERVE					(20)															(20)		**(20)**
TRANSFER OF BANKED WATER FROM KERN RIVER CHANNEL - 2001					19															19		**19**
PHYSICAL RECOVERY - FK - SWID DIRECT																						
IN-DISTRICT 2001					(492)															(492)		**(492)**
ACCOUNT BALANCE		0			16			0			0			0			0			16		**16**
PHYSICAL RECHARGE - KR - HACIENDA						5,318															5,318	**5,318**
TRANSACTION - KR - HACIENDA																						
4% RESERVE						(213)															(213)	**(213)**
PHYSICAL RECOVERY - KR - HACIENDA																						
IN-DISTRICT 2001						(4,941)															(4,941)	**(4,941)**
ACCOUNT BALANCE			0			164			0			0			0			0			164	**164**
TOTAL ACCOUNT BALANCE	**0**	**0**	**0**	**1**	**16**	**164**	**3**	**0**	**0**	**0**	**0**	**0**	**16,632**	**5,843**	**0**	**7,812**	**240**	**0**	**24,448**	**6,099**	**164**	**30,711**

TEJON-CASTAC WATER DISTRICT

PIONEER PROPERTY - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1996			1998			1999			2001			2003			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP				48			77									216						341			**341**
TRANSACTIONS - SWP:																									
4% RESERVE				(2)			(3)									(9)						(14)			**(14)**
TRANSFER TO KERN WATER BANK - 2004				(46)			(74)															(120)			**(120)**
TRANSFER FROM KERN WATER BANK - 2004													1,058									1,058			**1,058**
ACCOUNT BALANCE	0			0			0			0			1,058			207			0			1,265			**1,265**
PHYSICAL RECHARGE - SWP ARTICLE 21										51						74						125			**125**
TRANSACTION - SWP ARTICLE 21:																									
4% RESERVE										(2)						(3)						(5)			**(5)**
TRANSFER TO KERN WATER BANK - 2004										(49)												(49)			**(49)**
ACCOUNT BALANCE	0			0			0			0			0			71			0			71			**71**
PHYSICAL RECHARGE - FK - 215		825																					825		**825**
TRANSACTIONS - FK - 215:																									
4% RESERVE		(33)																					(33)		**(33)**
TRANSFER TO KERN WATER BANK - 2004		(792)																					(792)		**(792)**
ACCOUNT BALANCE		0			0			0			0			0			0			0			0		**0**
PHYSICAL RECHARGE KR - CITY MISC						11																		11	**11**
TRANSACTION - KR - CITY MISC:																									
4% RESERVE																								0	**0**
ACCOUNT BALANCE			0			11			0			0			0			0			0			11	**11**
PHYSICAL RECHARGE - KR - HACIENDA						101																		101	**101**
TRANSACTION - KR - HACIENDA																									
4% RESERVE						(4)																		(4)	**(4)**
TRANSFER TO KERN WATER BANK - 2004						(97)																		(97)	**(97)**
ACCOUNT BALANCE			0			0			0			0			0			0			0			0	**0**
TOTAL ACCOUNT BALANCE	**0**	**0**	**0**	**0**	**0**	**11**	**0**	**0**	**0**	**0**	**0**	**0**	**1,058**	**0**	**0**	**278**	**0**	**0**	**0**	**0**	**0**	**1,336**	**0**	**11**	**1,347**

WHEELER RIDGE-MARICOPA WSD

PIONEER PROPERTY - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1995			1996			1997			1998			1999			2002			2003			2004			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	4,005			259						1,736			2,013						2,812						4,760			6,181			21,766			**21,766**
TRANSACTIONS - SWP:																																		
4% RESERVE				(10)						(69)			(81)						(112)						(190)			(247)			(709)			**(709)**
TRANSFER OF SURFACE WATER FOR BWSD GROUNDWATER - 2002													1,500																		1,500			**1,500**
TRANSFER TO KWB - 2004	(180)			(11)						(75)			(3,432)																		(3,698)			**(3,698)**
TRANSFER FROM KWB - 2004																						1,556									1,556			**1,556**
TRANSFER TO BELRIDGE WSD - 08/22/06																			(2,700)												(2,700)			**(2,700)**
PHYSICAL RECOVERY - SWP																																		
IN-DISTRICT 2001	(3,825)			(238)						(1,592)																					(5,655)			**(5,655)**
ACCOUNT BALANCE	0			0			0			0			0			0			0			1,556			4,570			5,934			12,060			**12,060**
PHYSICAL RECHARGE - SWP ARTICLE 21																686			621			4,117			18,043			2,750			26,217		0	**26,217**
TRANSACTIONS - SWP ARTICLE 21:																																		
4% RESERVE																(27)			(25)			(165)			(722)			(110)			(1,049)		0	**(1,049)**
TRANSFER FROM KWB - 2004																						2,658									2,658		0	**2,658**
ACCOUNT BALANCE	0			0			0			0			0			659			596			6,610			17,321			2,640			27,826		0	**27,826**
PHYSICAL RECHARGE - FK 215																										5,544			462			6,006		**6,006**
TRANSACTIONS - FK 215:																																		
4% RESERVE																										(222)			(18)			(240)		**(240)**
ACCOUNT BALANCE		0			0			0			0			0			0			0			0			5,322			444			5,766		**0**
PHYSICAL RECHARGE - KR FLOOD												537																					537	**537**
TRANSACTIONS - KR FLOOD:																																		
4% RESERVE												(21)																					(21)	**(21)**
TRANSFER TO KWB - 2004												(516)																					(516)	**(516)**
ACCOUNT BALANCE			0			0			0			0			0			0			0			0			0			0			0	**0**
PHYSICAL RECHARGE KR - CITY MISC						2,291			179			6,244																					8,714	**8,714**
TRANSACTION - KR - CITY MISC:																																		
4% RESERVE						(92)			(7)			(250)																					(349)	**(349)**
PHYSICAL RECOVERY - SWP																																		
IN-DISTRICT 2001						(2,100)			(164)			(1,030)																					(3,294)	**(3,294)**
ACCOUNT BALANCE			0			99			8			4,964			0			0			0			0			0			0			5,071	**5,071**
TOTAL ACCOUNT BALANCE	**0**	**0**	**0**	**0**	**0**	**99**	**0**	**0**	**8**	**0**	**0**	**4,964**	**0**	**0**	**0**	**659**	**0**	**0**	**596**	**0**	**0**	**8,166**	**0**	**0**	**21,891**	**5,322**	**0**	**8,574**	**444**	**0**	**39,886**	**5,766**	**5,071**	**50,723**

BELRIDGE WSD

2800 ACRES- SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1993			1994			1995			1996			1997			2003			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	9,942						5,131															15,073			**15,073**
TRANSACTIONS - SWP:																									
4% RESERVE																						0			**0**
EXCHANGE OF SURFACE WATER FOR ID4 BANKED WATER - 1994	100																					100			**100**
EXCHANGE OF SURFACE WATER FOR CAWELO BANKED WATER - 1994	44																					44			**44**
EXCHANGE OF SURFACE WATER FOR SEMITROPIC BANKED WATER - 1994	181																					181			**181**
EXCHANGE OF CAWELO BANKED WATER FOR WMWC BANKED WATER IN KWB - 2001	5,000																					5,000			**5,000**
EXCHANGE OF BANKED WATER FOR TJCWD SURFACE WATER - 2002	(1,175)																					(1,175)			**(1,175)**
TRANSFER OF BANKED WATER TO PIONEER PROJECT - 2001							(1,137)															(1,137)			**(1,137)**
TRANSFER TO KERN WATER BANK - 2004	(10,814)						(847)															(11,661)			**(11,661)**
TRANSFER FROM KERN WATER BANK - 2004																12,814						12,814			**12,814**
TRANSFER FROM WHEELER RIDGE-MARICOPA WSD - 08/22/06																1,300						1,300			**1,300**
PHYSICAL RECOVERY - SWP:																									
IN-DISTRICT - 1994	(1,197)																					(1,197)			**(1,197)**
IN-DISTRICT - 2001							(3,147)															(3,147)			**(3,147)**
KERN TULARE/RAG GULCH PER 1993 BANKING PROGRAM - 2004	(351)																					(351)			**(351)**
ACCOUNT BALANCE	1,730			0			0			0						14,114			0			15,844			**15,844**
PHYSICAL RECHARGE - SWP - ARTICLE 21							1,246															1,246			**1,246**
TRANSACTIONS - SWP ARTICLE 21:																									
4% RESERVE																						0			**0**
TRANSFER TO KERN WATER BANK - 2004							(1,153)															(1,153)			**(1,153)**
ACCOUNT BALANCE	0			0			93			0			0									93			**93**
PHYSICAL RECHARGE KR - CITY MISC												1,205			288									1,493	**1,493**
TRANSACTION - KR - CITY MISC:																									
4% RESERVE												(48)			(12)									(60)	**(60)**
PHYSICAL RECOVERY - SWP:																									
IN-DISTRICT - 2004												(267)												(267)	**(267)**
ACCOUNT BALANCE			0			0			0			890			276			0			0			1,166	**1,166**
TOTAL ACCOUNT BALANCE	**1,730**	**0**	**0**	**0**	**0**	**0**	**93**	**0**	**0**	**0**	**0**	**890**	**0**	**0**	**276**	**14,114**	**0**	**0**	**0**	**0**	**0**	**15,937**	**0**	**1,166**	**17,103**

BERRENDA MESA WATER DISTRICT

2800 ACRES- SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1981			1993			1994			1995			1996			1997			2003			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	9,500			2,115			4,363			8,945															24,923			**24,923**
TRANSACTIONS - SWP:																												
4% RESERVE																									0			**0**
SALE OF BANKED WATER TO DWR - 1981	(9,500)																								(9,500)			**(9,500)**
EXCHANGE OF SURFACE WATER FOR ID4 BANKED WATER - 1995				1,500																					1,500			**1,500**
SALE OF FRIANT-KERN BANKED WATER TO HARRIS RANCH - 5/21/96										9,840															9,840			**9,840**
EXCHANGE OF KCWA BANKED WATER IN BERRENDA MESA - 2001				(2,092)			(4,316)			(2,515)															(8,923)			**(8,923)**
TRANSFER TO BERRENDA MESA PROJECT - 2004				(1,523)						(5,388)															(6,911)			**(6,911)**
TRANSFER FROM BERRENDA MESA PROJECT - 2004																			6,911						6,911			**6,911**
PHYSICAL RECOVERY - SWP:																												
KERN TULARE/RAG GULCH PER 1993 BANKING PROGRAM - 2004							(40)																		(40)			**(40)**
ACCOUNT BALANCE	0			0			7			10,882			0						6,911			0			17,800			**17,800**
PHYSICAL RECHARGE - FK - 215											13,474															13,474		**13,474**
TRANSACTIONS - FK -215:																												
4% RESERVE																										0		**0**
SALE OF FRIANT-KERN BANKED WATER TO HARRIS RANCH - 5/21/96											(9,840)															(9,840)		**(9,840)**
ACCOUNT BALANCE		0			0			0			3,634			0			0			0			0			3,634		**3,634**
PHYSICAL RECHARGE KR - CITY MISC															464			288									752	**752**
TRANSACTION - KR - CITY MISC:																												
4% RESERVE															(19)			(12)									(31)	**(31)**
EXCHANGE OF KCWA BANKED WATER IN BERRENDA MESA - 2001															(43)			(28)									(71)	**(71)**
ACCOUNT BALANCE			0			0			0			0			402			248			0			0			650	**650**
TOTAL ACCOUNT BALANCE	**0**	**0**	**0**	**0**	**0**	**0**	**7**	**0**	**0**	**10,882**	**3,634**	**0**	**0**	**0**	**402**	**0**	**0**	**248**	**6,911**	**0**	**0**	**0**	**0**	**0**	**17,800**	**3,634**	**650**	**22,084**

CAWELO WATER DISTRICT

2800 ACRES - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1993			1995			1996			2003			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	12,311			1,831						321						14,463			**14,463**
TRANSACTIONS - SWP:																			
EXCHANGE OF BANKED WATER FOR BWSD SURFACE WATER - 1994	(44)															(44)			**(44)**
EXCHANGE OF BANKED WATER FOR WMWC BANKED WATER IN KWB - 2001	(5,000)															(5,000)			**(5,000)**
EXCHANGE OF BANKED WATER FOR KCWA BANKED WATER IN BERRENDA MESA - 2001	(4,871)															(4,871)			**(4,871)**
5% LOSSES ON SALE TO EWA - 2001	(250)															(250)			**(250)**
ACCOUNT BALANCE	2,146			1,831			0			321			0			4,298			**4,298**
PHYSICAL RECHARGE - FK - 215		1,054			1,219												2,273		**2,273**
TRANSACTIONS - FK -215:																			
4% RESERVE																	0		**0**
ACCOUNT BALANCE		1,054			1,219			0			0			0			2,273		**2,273**
PHYSICAL RECHARGE KR - CAWELO									1,880									1,880	**1,880**
TOTAL ACCOUNT BALANCE	**2,146**	**1,054**	**0**	**1,831**	**1,219**	**0**	**0**	**0**	**1,880**	**321**	**0**	**0**	**0**	**0**	**0**	**4,298**	**2,273**	**1,880**	**8,451**

IMPROVEMENT DISTRICT NO. 4

2800 ACRES- SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1986			1992			1993			1994			1995			1996			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	12,128						21,996			10,109			21,745			67						66,045			**66,045**
TRANSACTIONS - SWP:																									
4% RESERVE																(2)						(2)			**(2)**
TRANSFER FROM CITY OF BAKERSFIELD - 1992				3,500																		3,500			**3,500**
EXCHANGE FOR SURFACE WATER FROM BWSD - 1994							(100)															(100)			**(100)**
EXCHANGE FOR SURFACE WATER FROM BMWD - 1995													(1,500)									(1,500)			**(1,500)**
PHYSICAL RECOVERY - SWP:																									
IN-DISTRICT - 1992				(3,500)																		(3,500)			**(3,500)**
IN-DISTRICT - 2001	(2,801)																					(2,801)			**(2,801)**
IN-DISTRICT - 2004	(8)																								
ACCOUNT BALANCE	9,319			0			21,896			10,109			20,245			65			0			61,634			**61,634**
PHYSICAL RECHARGE - SWP - ARTICLE 21																3,192						3,192			**3,192**
TRANSACTIONS - SWP ARTICLE 21:																									
4% RESERVE																(128)						(128)			**(128)**
ACCOUNT BALANCE	0			0			0			0			0			3,064			0			3,064			**3,064**
PHYSICAL RECHARGE FK - 215														446									446		**446**
TRANSACTION - FK - 215:																									
4% RESERVE																							0		**0**
ACCOUNT BALANCE		0			0			0			0			446			0			0			446		**446**
PHYSICAL RECHARGE FK - AE/ID4																	311						311		**311**
TRANSACTION - FK - AE/ID4:																									
4% RESERVE																	(12)						(12)		**(12)**
ACCOUNT BALANCE		0			0			0			0			0			299			0			299		**299**
TOTAL ACCOUNT BALANCE	**9,319**	**0**	**0**	**0**	**0**	**0**	**21,896**	**0**	**0**	**10,109**	**0**	**0**	**20,245**	**446**	**0**	**3,129**	**299**	**0**	**0**	**0**	**0**	**64,698**	**745**	**0**	**65,443**

KERN COUNTY WATER AGENCY

2800 ACRES - SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1981			1985			1986			1991			1992			1993			1994			1995			1996			1997			2001			2002			2003			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	28,321			14,302			9,500									5,265									6,300																		63,688			**63,688**
TRANSACTIONS - SWP:																																													
TRANSFER TO WRMWSD - 1989				(15,019)																																							(15,019)			**(15,019)**
EXCHANGE OF KCWA BANKED WATER IN BERRENDA MESA FOR BMWD BANKED WATER IN 2800 ACRES- 2001																2,092			4,316			2,515																					8,923			**8,923**
EXCHANGE OF KCWA BANKED WATER IN BERRENDA MESA FOR CWD BANKED WATER IN 2800 ACRES- 2001																4,871																											4,871			**4,871**
RECLASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO WESTERN HILLS - 2001																															630												630			**630**
RECLASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO NICKEL - 2001																															2,490												2,490			**2,490**
RELCASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO WESTERN HILLS - 2002																																		773									773			**773**
RELCASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO WESTERN HILLS - 2003																																					917						917			**917**
RECLASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO NICKEL - 2003																																					5,910						5,910			**5,910**
PHYSICAL RECOVERY - SWP:																																													
IN-DISTRICT - 1989				(1,086)																																							(1,086)			**(1,086)**
IN-DISTRICT - 1991	(28,726)			(36)			(4,554)																																				(33,316)			**(33,316)**
IN-DISTRICT - 1992							(3,454)																																				(3,454)			**(3,454)**
ACCOUNT BALANCE	(405)			(1,839)			1,492			0			0			12,228			4,316			2,515			6,300			0			3,120			773			6,827			0			35,327			**35,327**
PHYSICAL RECHARGE FK - FLOOD																																												0		**0**
TRANSACTION - FK - FLOOD:																																													
PURCHASE FROM CITY OF BAKERSFIELD - 1991										20,000																																		20,000		**20,000**
PHYSICAL RECOVERY - FK - FLOOD:																																													**0**
IN-DISTRICT - 1992										(6,499)																																		(6,499)		**(6,499)**
ACCOUNT BALANCE		0			0			0		13,501			0			0			0			0			0			0			0			0			0			0			13,501			**13,501**
PHYSICAL RECHARGE KR - HACIENDA																																													**0**
TRANSACTION - KR - HACIENDA:																																													
PURCHASE FROM LA HACIENDA - 1991										22,096																																		22,096		**22,096**
TRANSFER FROM OLCESE WD - 1992														6,450																														6,450		**6,450**
RECLASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO WESTERN HILLS - 2001										(630)																																		(630)		**(630)**
RECLASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO NICKEL - 2001										(2,490)																																		(2,490)		**(2,490)**
TRANSFER OF BANKED WATER TO PIONEER - 2001 (NICKEL)										(3,354)																																		(3,354)		**(3,354)**
RECLASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO WESTERN HILLS - 2002										(773)																																		(773)		**(773)**
TRANSFER OF BANKED WATER TO PIONEER - 2002 (NICKEL)										(1,820)																																		(1,820)		**(1,820)**
RECLASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO WESTERN HILLS - 2003										(377)				(540)																														(917)		**(917)**
RECLASS OF LR ACCOUNT TO SWP ACCOUNT FOR DELIVERY TO NICKEL - 2003														(5,910)																														(5,910)		**(5,910)**
PHYSICAL RECOVERY - KR - HACIENDA:																																													
IN-DISTRICT - 2001 (NICKEL)										(4,412)																																		(4,412)		**(4,412)**
IN-DISTRICT - 2002 (NICKEL)										(8,240)																																		(8,240)		**(8,240)**
ACCOUNT BALANCE		0			0			0		0			0			0			0			0			0			0			0			0			0			0			0			**0**
PHYSICAL RECHARGE KR - CITY MISCELLANEOUS																																												0		**0**
TRANSACTION - KR - CITY MISCELLANEOUS:																																													
EXCHANGE OF KCWA BANKED WATER IN BERRENDA MESA FOR BMWD BANKED WATER IN 2800 ACRES- 2001																										43			28															71		**71**
ACCOUNT BALANCE		0			0			0		0			0			0			0			0				43			28			0			0			0			0			71		**71**
TOTAL ACCOUNT BALANCE	**(405)**	**0**	**0**	**(1,839)**	**0**	**0**	**1,492**	**0**	**0**	**0**	**13,501**	**0**	**0**	**0**	**0**	**12,228**	**0**	**0**	**4,316**	**0**	**0**	**2,515**	**0**	**0**	**6,300**	**0**	**43**	**0**	**0**	**28**	**3,120**	**0**	**0**	**773**	**0**	**0**	**6,827**	**0**	**0**	**0**	**0**	**0**	**35,327**	**13,501**	**71**	**48,899**

LOST HILLS WATER DISTRICT

2800 ACRES- SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1991			1993			1994			1995			1996			1997			2003			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP				25,403			3,251			8,178															36,832			**36,832**
TRANSACTIONS - SWP:																												
4% RESERVE																									0			**0**
TRANSFER OF WRMWSD BANKED WATER FOR LHWD SWP SURFACE WATER - 1994				1,500																					1,500			**1,500**
TRANSFER TO KWB - 2004				(19,032)						(4,575)															(23,607)			**(23,607)**
TRANSFER FROM KWB - 2004																			23,607						23,607			**23,607**
PHYSICAL RECOVERY - SWP																												
IN-DISTRICT 2001				(1,992)																					(1,992)			**(1,992)**
KERN TULARE/RAG GULCH PER 1993 BANKING PROGRAM - 2004				(439)																					(439)			**(439)**
ACCOUNT BALANCE	0			5,440			3,251			3,603			0			0			23,607			0			35,901			**35,901**
PHYSICAL RECHARGE - SWP - ARTICLE 21										1,017															1,017			**1,017**
TRANSACTIONS - SWP ARTICLE 21:																												
4% RESERVE																									0			**0**
ACCOUNT BALANCE	0			0			0			1,017			0			0			0			0			1,017			**1,017**
PHYSICAL RECHARGE - FK - 215											863															863		**863**
TRANSACTIONS - FK -215:																												
4% RESERVE																										0		**0**
ACCOUNT BALANCE		0			0			0			863			0			0			0			0			863		**863**
PHYSICAL RECHARGE KR - CITY MISC															1,064			247									1,311	**1,311**
TRANSACTION - KR - CITY MISC:																												
4% RESERVE															(43)			(10)									(53)	**(53)**
5% OUT-OF-COUNTY LOSSES ON SALE (FROM BM PROJECT) TO EWA - 2005															(92)												(92)	**(92)**
ACCOUNT BALANCE			0			0			0			0			929			237			0			0			1,166	**1,166**
PHYSICAL RECHARGE KR - NORTH KERN																											0	**0**
TRANSACTION - KR - NORTH KERN:																												
TRANSFER OF BANKED WATER FROM NKWSD ON BEHALF OF PARAMOUNT LANDS IN LHWD - 1991			2,035																								2,035	**2,035**
ACCOUNT BALANCE			2,035			0			0			0			0			0			0			0			2,035	**2,035**
TOTAL ACCOUNT BALANCE	**0**	**0**	**2,035**	**5,440**	**0**	**0**	**3,251**	**0**	**0**	**4,620**	**863**	**0**	**0**	**0**	**929**	**0**	**0**	**237**	**23,607**	**0**	**0**	**0**	**0**	**0**	**36,918**	**863**	**3,201**	**40,982**

SEMITROPIC WATER STORAGE DISTRICT

2800 ACRES- SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1993			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	18,973						18,973			**18,973**
TRANSACTIONS - SWP:										
4% RESERVE							0			**0**
EXCHANGE OF BANKED WATER FOR BWSD SURFACE WATER - 1994	(181)						(181)			**(181)**
TRANSFER OF 2800 ACRE BANKED WATER TO PIONEER - 2001	(2,560)						(2,560)			**(2,560)**
PHYSICAL RECOVERY - SWP										
IN-DISTRICT 2001	(4,388)						(4,388)			**(4,388)**
ACCOUNT BALANCE	11,844			0			11,844			**11,844**
TOTAL ACCOUNT BALANCE	**11,844**	**0**	**0**	**0**	**0**	**0**	**11,844**			**11,844**

TEJON-CASTAC WATER DISTRICT

2800 ACRES- SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1993			1994			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP				66						66			66
TRANSACTIONS - SWP:													
4% RESERVE										0			0
EXCHANGE OF SURFACE WATER FOR BWSD BANKED WATER - 2002	1,175									1,175			1,175
ACCOUNT BALANCE	1,175			66			0			1,241			1,241
TOTAL ACCOUNT BALANCE	**1,175**	**0**	**0**	**66**	**0**	**0**	**0**	**0**	**0**	**1,241**			**1,241**

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

2800 ACRES- SUMMARY OF BANK ACCOUNTS

THROUGH DECEMBER 2006

QUANTITIES ARE IN ACRE FEET

WATER TYPE	1981			1985			1993			1995			1996			1998			2002			2003			2004			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	5,320						47,820			4,842																					57,982			**57,982**
TRANSACTIONS - SWP:																																		
4% RESERVE																															0			**0**
TRANSFER TO KCWA - 1989				15,019																											15,019			**15,019**
TRANSFER OF WRMWSD BANKED WATER FOR LHWD SWP SURFACE WATER - 1994							(1,500)																								(1,500)			**(1,500)**
TRANSFER TO KWB - 2004							(19,347)			(4,842)																					(24,189)			**(24,189)**
TRANSFER FROM KWB - 2004																						17,334			1,546						18,880			**18,880**
TRANSFER TO BELRIDGE WSD - 08/22/06																						(1,300)									(1,300)			**(1,300)**
PHYSICAL RECOVERY - SWP																																		
IN-DISTRICT 1994							(4,761)																								(4,761)			**(4,761)**
IN-DISTRICT 2001	(4,380)																														(4,380)			**(4,380)**
KERN TULARE/RAG GULCH PER 1993 BANKING PROGRAM - 2004							(791)																								(791)			**(791)**
ACCOUNT BALANCE	940			15,019			21,421			0			0			0			0			16,034			1,546			0			54,960			**54,960**
																																		0
PHYSICAL RECHARGE - SWP - ARTICLE 21																															0	0	0	**0**
TRANSACTIONS - SWP ARTICLE 21:																																		
4% RESERVE																															0			**0**
TRANSFER FROM KWB - 2004																			1,307			3,849									5,156			**5,156**
ACCOUNT BALANCE	0			0			0			0			0			0			1,307			3,849			0			0			5,156			**5,156**
PHYSICAL RECHARGE KR - CITY MISC															1,132																		1,132	**1,132**
TRANSACTION - KR - CITY MISC:																																		
4% RESERVE															(45)																		(45)	**(45)**
TRANSFER FROM KWB - 2004																		153															153	**153**
ACCOUNT BALANCE			0			0			0			0			1,087			153			0			0			0			0			1,240	**1,240**
TOTAL ACCOUNT BALANCE	**940**	**0**	**0**	**15,019**	**0**	**0**	**21,421**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,087**	**0**	**0**	**153**	**1,307**	**0**	**0**	**19,883**	**0**	**0**	**1,546**	**0**	**0**	**0**	**0**	**0**	**60,116**	**0**	**1,240**	**61,356**

BERRENDA MESA PROJECT

STATUS OF 4% RESERVES

THRU DECEMBER 2006

QUANTITIES IN ACRE FEET

	2005	2006	TOTAL
BELRIDGE WSD	145	172	**317**
BERRENDA MESA WD	944	614	**1,558**
LOST HILLS WD	105	153	**258**
WHEELER RIDGE-MARICOPA WSD	37	37	**74**
TOTAL	**1,231**	**976**	**2,207**

PIONEER PROJECT

STATUS OF 4% RESERVES

THRU DECEMBER 2006

QUANTITIES IN ACRE FEET

PIONEER PROPERTY	2005	2006	TOTAL
BELRIDGE WSD	1,340	558	1,898
BERRENDA MESA WD	850	471	1,321
IMPROVEMENT DISTRICT NO 4	189	297	486
LOST HILLS WD	916	523	1,439
SEMITROPIC WSD	989	336	1,325
TEJON-CASTAC WD	12	0	12
WHEELER RIDGE-MARICOPA WSD	1,164	375	1,539
SUBTOTAL	**5,460**	**2,560**	**8,020**

2800 ACRES	2005	2006	TOTAL
BELRIDGE WSD	0	0	0
BERRENDA MESA WD	0	0	0
IMPROVEMENT DISTRICT NO 4	0	0	0
LOST HILLS WD	0	0	0
SEMITROPIC WSD	0	0	0
TEJON-CASTAC WD	0	0	0
WHEELER RIDGE-MARICOPA WSD	0	0	0
SUBTOTAL	**0**	**0**	**0**

KERN RIVER CHANNEL	2005	2006	TOTAL
BELRIDGE WSD	0	0	**0**
BERRENDA MESA WD	0	0	**0**
IMPROVEMENT DISTRICT NO 4	0	0	**0**
LOST HILLS WD	0	0	**0**
SEMITROPIC WSD	0	0	**0**
TEJON-CASTAC WD	0	0	**0**
WHEELER RIDGE-MARICOPA WSD	0	0	**0**
SUBTOTAL	**0**	**0**	**0**

TOTALS	2005	2006	TOTAL
BELRIDGE WSD	9	558	**567**
BERRENDA MESA WD	11	471	**482**
IMPROVEMENT DISTRICT NO 4	652	297	**949**
LOST HILLS WD	123	523	**646**
SEMITROPIC WSD	0	336	**336**
TEJON-CASTAC WD	0	0	**0**
WHEELER RIDGE-MARICOPA WSD	137	375	**512**
TOTAL	**932**	**2,560**	**3,492**

KERN WATER BANK

STATUS OF 4% RESERVES

THRU DECEMBER 2006

QUANTITIES IN ACRE FEET

	2005	2006	TOTAL
DUDLEY RIDGE WD	774	512	1,286
ID4	1,389	962	2,351
SEMITROPIC WSD	3,400	583	3,983
TEJON-CASTAC WD	139	197	336
WESTSIDE MUTUAL WC	4,319	5,521	9,840
WHEELER RIDGE-MARICOPA WSD	3,395	2,279	5,674
TOTAL	**13,416**	**10,054**	**23,470**

HENRY MILLER WD

BERRENDA MESA PROJECT - SUMMARY OF OVERDRAFT CORRECTIONS

THROUGH DECEMBER 2006

WATER TYPE	1996			1997			1998			1999			2002			2003			2005			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	0			0			0			0									0			0			**0**
TRANSACTIONS - SWP																									
PURCHASE OF 4% RESERVE	25			1			161			30												217			**217**
ACCOUNT BALANCE	25			1			161			30									0			217			**217**
PHYSICAL RECHARGE - SWP ARTICLE 21	0			0			0			0									0			0			**0**
TRANSACTIONS - SWP ARTICLE 21																									
PURCHASE OF 4% RESERVE													21									21			**21**
ACCOUNT BALANCE	0			0			0			0			21						0			21			**21**
PHYSICAL RECHARGE FK - SECTION 215		0			0			0			0									0			0		**0**
TRANSACTIONS - FK SECTION 215																									
PURCHASE OF 4% RESERVE											5												5		**5**
ACCOUNT BALANCE		0			0			0			5									0			5		**5**
PHYSICAL RECHARGE FK - FLOOD		0			0			0			0									0			0		**0**
TRANSACTIONS - FK FLOOD																									
PURCHASE OF 4% RESERVE					84			78															162		**162**
ACCOUNT BALANCE		0			84			78			0									0			162		**162**
PHYSICAL RECHARGE KR - FLOOD			0			0			0			0									0			0	**0**
TRANSACTIONS - KR - FLOOD																									
PURCHASE OF 4% RESERVE						9			172															181	**181**
ACCOUNT BALANCE			0			9			172			0									0			181	**181**
PHYSICAL RECHARGE KR - CITY MISCELLANEOUS			0			0			0			0									0			0	**0**
TRANSACTIONS - KR CITY MISCELLANEOUS																									
PURCHASE OF 4% RESERVE			33			28			235															296	**296**
ACCOUNT BALANCE			33			28			235			0									0			296	**296**
PHYSICAL RECHARGE KR - HACIENDA			0			0			0			0									0			0	**0**
TRANSACTIONS - KR HACIENDA																									
PURCHASE OF 4% RESERVE									120															120	**120**
ACCOUNT BALANCE			0			0			120			0									0			120	**120**
TOTAL ACCOUNT BALANCE	**25**	**0**	**33**	**1**	**84**	**37**	**161**	**78**	**527**	**30**	**5**	**0**	**21**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**238**	**167**	**597**	**1,002**

KERN DELTA WD

BERRENDA MESA PROJECT - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1996			1997			1998			1999			2003			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	0			0			0			0			0			0			0			**0**
TRANSACTIONS - SWP																						
PURCHASE OF 4% RESERVE	25			1						29			11						66			**66**
ACCOUNT BALANCE	25			1			0			29			11			0			66			**66**
PHYSICAL RECHARGE - SWP ARTICLE 21	0			0			0			0			0			0			0			**0**
TRANSACTIONS - SWP ARTICLE 21																						
PURCHASE OF 4% RESERVE													16						16			**16**
ACCOUNT BALANCE	0			0			0			0			16			0			16			**16**
PHYSICAL RECHARGE FK - SECTION 215		0			0			0			0			0			0			0		**0**
TRANSACTIONS - FK SECTION 215																						
PURCHASE OF 4% RESERVE											6			6						6		**6**
ACCOUNT BALANCE		0			0			0			6			6			0			6		**6**
PHYSICAL RECHARGE FK - FLOOD		0			0			0			0			0			0			0		**0**
TRANSACTIONS - FK FLOOD																						
PURCHASE OF 4% RESERVE					84															84		**84**
ACCOUNT BALANCE		0			84			0			0			0			0			84		**84**
PHYSICAL RECHARGE KR - FLOOD			0			0			0			0			0			0			0	**0**
TRANSACTIONS - KR - FLOOD																						
PURCHASE OF 4% RESERVE						10															10	**10**
ACCOUNT BALANCE			0			10			0			0			0			0			10	**10**
PHYSICAL RECHARGE KR - CITY MISCELLANEOUS			0			0			0			0			0			0			0	**0**
TRANSACTIONS - KR CITY MISCELLANEOUS																						
PURCHASE OF 4% RESERVE			32			28						1			1						61	**61**
ACCOUNT BALANCE			32			28			0			1			1			0			61	**61**
PHYSICAL RECHARGE KR - HACIENDA			0			0			0			0			0			0			0	**0**
TRANSACTIONS - KR HACIENDA																						
PURCHASE OF 4% RESERVE																					0	**0**
ACCOUNT BALANCE			0			0			0			0			0			0			0	**0**
TOTAL ACCOUNT BALANCE	**25**	**0**	**32**	**1**	**84**	**38**	**0**	**0**	**0**	**29**	**6**	**1**	**27**	**6**	**1**	**0**	**0**	**0**	**82**	**96**	**72**	**250**

HENRY MILLER WD

KERN RIVER CHANNEL - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

(QUANTITIES IN ACRE-FOOT)

WATER TYPE	1996			1997			1998			1999			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	0			0			0			0			0			**0**
TRANSACTIONS - SWP																
PURCHASE OF 4% RESERVE	33			110			16			27			186			**186**
ACCOUNT BALANCE	33			110			16			27			186			**186**
PHYSICAL RECHARGE - SWID DIRECT														0		**0**
TRANSACTIONS - FK - SWID DIRECT																
PURCHASE OF 4% RESERVE		1												1		**1**
ACCOUNT BALANCE		1			0			0			0			1		**1**
TOTAL ACCOUNT BALANCE	**33**	**1**	**0**	**110**	**0**	**0**	**16**	**0**	**0**	**27**	**0**	**0**	**186**	**1**	**0**	**187**

TABLE 3E-3

IMPROVEMENT DISTRICT NO. 4

KERN RIVER CHANNEL- SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1996			1997			1998			2000			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE SWP				0			0			169			169			169

TABLE 3E-4

KERN COUNTY WATER AGENCY

KERN RIVER CHANNEL - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1996			1997			1998			1999			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE SWP	7,485			0			0			0			7,485			**7,485**
PHYSICAL RECHARGE FK - 215								141			38			179		**179**
TOTAL ACCOUNT BALANCE	**7,485**	**0**	**0**	**0**	**0**	**0**	**0**	**141**	**0**	**0**	**38**	**0**	**7,485**	**179**	**0**	**7,664**

TABLE 3E-5

KERN DELTA WD

KERN RIVER CHANNEL - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1996			1997			1999			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	0			0			0			0			**0**
TRANSACTIONS - SWP													
PURCHASE OF 4% RESERVE	33			111			26			170			**170**
ACCOUNT BALANCE	**33**			**111**			**26**			**170**			**170**

TABLE 3E-6

BUENA VISTA WSD

KERN RIVER CHANNEL - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1996			1997			2005			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - KR BUENA VISTA									160			160	160

TABLE 3E-7

ROSEDALE-RIO BRAVO WSD

KERN RIVER CHANNEL - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1996			1997			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - FK AE/RRB								563			152			715		715

TABLE 3E-8

HENRY MILLER WD

KERN WATER BANK - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1998			1999			2000			2001			2002			2003			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	0			0			0			0			0			0			0			**0**
TRANSACTIONS - SWP																						
PURCHASE OF 4% RESERVE				538			79									1,064			1,681			**1,681**
ACCOUNT BALANCE	0			538			79			0			0			1,064			1,681			**1,681**
PHYSICAL RECHARGE - SWP ARTICLE 21	0			0			0			0			0			0			0			**0**
TRANSACTIONS - SWP ARTICLE 21																						
PURCHASE OF 4% RESERVE				86			537			189			506			174			1,492			**1,492**
ACCOUNT BALANCE	0			86			537			189			506			174			1,492			**1,492**
PHYSICAL RECHARGE FK - FLOOD		0			0			0			0			0			0			0		**0**
TRANSACTIONS - FK FLOOD																						
PURCHASE OF 4% RESERVE																				0		**0**
ACCOUNT BALANCE		0			0			0			0			0			0			0		**0**
PHYSICAL RECHARGE FK - SECTION 215		0			0			0			0			0			0			0		**0**
TRANSACTIONS - FK SECTION 215																						
PURCHASE OF 4% RESERVE					54															54		**54**
ACCOUNT BALANCE		0			54			0			0			0			0			54		**54**
PHYSICAL RECHARGE KR - FLOOD			0			0			0			0			0			0			0	**0**
TRANSACTIONS - KR - FLOOD																						
PURCHASE OF 4% RESERVE																					0	**0**
ACCOUNT BALANCE			0			0			0			0			0			0			0	**0**
PHYSICAL RECHARGE KR - CITY MISCELLANEOUS			0			0			0			0			0			0			0	**0**
TRANSACTIONS - KR CITY MISCELLANEOUS																						
PURCHASE OF 4% RESERVE																					0	**0**
ACCOUNT BALANCE			0			0			0			0			0			0			0	**0**
PHYSICAL RECHARGE KR - BUENA VISTA			0			0			0			0			0			0			0	**0**
TRANSACTIONS - KR BUENA VISTA																						
PURCHASE OF 4% RESERVE																					0	**0**
ACCOUNT BALANCE			0			0			0			0			0			0			0	**0**
PHYSICAL RECHARGE KR - HACIENDA			0			0			0			0			0			0			0	**0**
TRANSACTIONS - KR HACIENDA																						
PURCHASE OF 4% RESERVE																					0	**0**
ACCOUNT BALANCE			0			0			0			0			0			0			0	**0**
PHYSICAL RECHARGE KR - KTRG/ID4			0			0			0			0			0			0			0	**0**
TRANSACTIONS - KR KTRG/ID4																						
PURCHASE OF 4% RESERVE																					0	**0**
ACCOUNT BALANCE			0			0			0			0			0			0			0	**0**
TOTAL ACCOUNT BALANCE	**0**	**0**	**0**	**624**	**54**	**0**	**616**	**0**	**0**	**189**	**0**	**0**	**506**	**0**	**0**	**1,238**	**0**	**0**	**3,173**	**54**	**0**	**3,227**

KERN COUNTY WATER AGENCY

KERN WATER BANK - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1996			1997			1998			1999			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE SWP	12,553			0			0			0			12,553			12,553

TABLE 3E-10

KERN DELTA WD

KERN WATER BANK - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1998			1999			2000			2001			2003			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	0			0			0			0			0			0			**0**
TRANSACTIONS - SWP																			
PURCHASE OF 4% RESERVE	715			537			0			0			279			1,531			**1,531**
ACCOUNT BALANCE	715			537			0			0			279			1,531			**1,531**
PHYSICAL RECHARGE - SWP ARTICLE 21	0			0			0			0			0			0			**0**
TRANSACTIONS - SWP ARTICLE 21																			
PURCHASE OF 4% RESERVE				86			68			188						342			**342**
ACCOUNT BALANCE	0			86			68			188			0			342			**342**
PHYSICAL RECHARGE FK - FLOOD		0			0			0			0			0			0		**0**
TRANSACTIONS - FK FLOOD																			
PURCHASE OF 4% RESERVE		183															183		**183**
ACCOUNT BALANCE		183			0			0			0			0			183		**183**
PHYSICAL RECHARGE FK - RIPARIAN		0			0			0			0			0			0		**0**
TRANSACTIONS - FK FLOOD																			
PURCHASE OF 4% RESERVE								263									263		**263**
ACCOUNT BALANCE		0			0			263			0			0			263		**263**
PHYSICAL RECHARGE FK - WWD/MADERA		0			0			0			0			0			0		**0**
TRANSACTIONS - FK FLOOD																			
PURCHASE OF 4% RESERVE								308									308		**308**
ACCOUNT BALANCE		0			0			308			0			0			308		**308**
PHYSICAL RECHARGE FK - SECTION 215		0			0			0			0			0			0		**0**
TRANSACTIONS - FK SECTION 215																			
PURCHASE OF 4% RESERVE		18			54			234									306		**306**
ACCOUNT BALANCE		18			54			234			0			0			306		**306**
PHYSICAL RECHARGE KR - FLOOD			0			0			0			0			0			0	**0**
TRANSACTIONS - KR - FLOOD																			
PURCHASE OF 4% RESERVE			620															620	**620**
ACCOUNT BALANCE			620			0			0			0			0			620	**620**
PHYSICAL RECHARGE KR - CITY MISCELLANEOUS			0			0			0			0			0			0	**0**
TRANSACTIONS - KR CITY MISCELLANEOUS																			
PURCHASE OF 4% RESERVE			312															312	**312**
ACCOUNT BALANCE			312			0			0			0			0			312	**312**
PHYSICAL RECHARGE KR - BUENA VISTA			0			0			0			0			0			0	**0**
TRANSACTIONS - KR BUENA VISTA																			
PURCHASE OF 4% RESERVE			112															112	**112**
ACCOUNT BALANCE			112			0			0			0			0			112	**112**
PHYSICAL RECHARGE KR - HACIENDA			0			0			0			0			0			0	**0**
TRANSACTIONS - KR HACIENDA																			
PURCHASE OF 4% RESERVE			432															432	**432**
ACCOUNT BALANCE			432			0			0			0			0			432	**432**
PHYSICAL RECHARGE KR - KTRG/ID4			0			0			0			0			0			0	**0**
TRANSACTIONS - KR KTRG/ID4																			
PURCHASE OF 4% RESERVE			8															8	**8**
ACCOUNT BALANCE			8			0			0			0			0			8	**8**
TOTAL ACCOUNT BALANCE	**715**	**201**	**1,484**	**623**	**54**	**0**	**68**	**805**	**0**	**188**	**0**	**0**	**279**	**0**	**0**	**1,873**	**1,060**	**1,484**	**4,417**

ROSEDALE-RIO BRAVO WSD

KERN WATER BANK - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1998			2005			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	0			0			0			**0**
TRANSACTIONS - SWP										
PURCHASE OF 4% RESERVE	2,721						2,721			**2,721**
ACCOUNT BALANCE	2,721			0			2,721			**2,721**
PHYSICAL RECHARGE FK - FLOOD		0			0			0		**0**
TRANSACTIONS - FK FLOOD										
PURCHASE OF 4% RESERVE		695						695		**695**
ACCOUNT BALANCE		695			0			695		**695**
PHYSICAL RECHARGE FK - AE/RRB		0			15,046			15,046		**15,046**
TRANSACTIONS - FK AE/RRB										
PURCHASE OF 4% RESERVE								0		**0**
ACCOUNT BALANCE		0			15,046			15,046		**15,046**
PHYSICAL RECHARGE FK - KTRG/RRB		0			17,391			17,391		**17,391**
TRANSACTIONS - FK KTRG/RRB										
PURCHASE OF 4% RESERVE								0		**0**
ACCOUNT BALANCE		0			17,391			17,391		**17,391**
PHYSICAL RECHARGE FK - SECTION 215		0			0			0		**0**
TRANSACTIONS - FK SECTION 215										
PURCHASE OF 4% RESERVE		69						69		**69**
ACCOUNT BALANCE		69			0			69		**69**
PHYSICAL RECHARGE KR - FLOOD			0			0			0	**0**
TRANSACTIONS - KR - FLOOD										
PURCHASE OF 4% RESERVE			2,355						2,355	**2,355**
ACCOUNT BALANCE			2,355			0			2,355	**2,355**
PHYSICAL RECHARGE KR - CITY MISCELLANEOUS			0			0			0	**0**
TRANSACTIONS - KR CITY MISCELLANEOUS										
PURCHASE OF 4% RESERVE			1,188						1,188	**1,188**
ACCOUNT BALANCE			1,188			0			1,188	**1,188**
PHYSICAL RECHARGE KR - BUENA VISTA			0			0			0	**0**
TRANSACTIONS - KR BUENA VISTA										
PURCHASE OF 4% RESERVE			425						425	**425**
ACCOUNT BALANCE			425			0			425	**425**
PHYSICAL RECHARGE KR - HACIENDA			0			0			0	**0**
TRANSACTIONS - KR HACIENDA										
PURCHASE OF 4% RESERVE			1,645						1,645	**1,645**
ACCOUNT BALANCE			1,645			0			1,645	**1,645**
PHYSICAL RECHARGE KR - KTRG/ID4			0			0			0	**0**
TRANSACTIONS - KR KTRG/ID4										
PURCHASE OF 4% RESERVE			32						32	**32**
ACCOUNT BALANCE			32			0			32	**32**
TOTAL ACCOUNT BALANCE	**2,721**	**764**	**5,645**	**0**	**32,437**	**0**	**2,721**	**33,201**	**5,645**	**41,567**

BUENA VISTA WSD

PIONEER PROJECT - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1997			1998			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE FK - FLOOD											834			834		**834**
PHYSICAL RECHARGE KR - FLOOD			1,324			0			0			2,059			3,383	**3,383**
PHYSICAL RECHARGE KR - BUENA VISTA			2,406			4,979			7,323						14,708	**14,708**
TRANSACTIONS - KR:																
TRANSFER OF BVWSD ODC TO RRBWSD FOR BANKED FK-2006									(7,000)						(7,000)	
ACCOUNT BALANCE			2,406			4,979			323						7,708	**7,708**
TOTAL ACCOUNT BALANCE	**0**	**0**	**3,730**	**0**	**0**	**4,979**	**0**	**0**	**323**	**0**	**834**	**2,059**	**0**	**834**	**11,091**	**11,925**

HENRY MILLER WD

PIONEER PROJECT - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER	1995			1996			1997			1998			1999			2000			2001			2002			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RE	0			0			0			0			0			0			0			0									0			**0**
TRANSACTIONS - SWP																																		
PURCHASE OF 4% RESERVE				264			122			779			145			168			31												1,509			**1,509**
ACCOUNT BA	0			264			122			779			145			168			31			0			0			0			1,509			**1,509**
PHYSICAL RE	0			0			0			0			0			0			0			0									0			**0**
TRANSACTIONS - SWP ARTICLE 21																																		
PURCHASE OF 4% RESERVE																115			43			88									246			**246**
ACCOUNT BA	0			0			0			0			0			115			43			88			0			0			246			**246**
PHYSICAL RECHARGE - FK - AE/ID4																	0															0		**0**
TRANSACTIONS - FK - AE/ID4																																		
PURCHASE OF 4% RESERVE					17																											17		**17**
ACCOUNT BALANCE					17			0			0			0			0			0			0			0			0			17		**17**
PHYSICAL RECHARGE - FK - SWID DIRECT																	0															0		**0**
TRANSACTIONS - FK SWID DIRECT																																		
PURCHASE OF 4% RESERVE					10																											10		**10**
ACCOUNT BALANCE					10			0			0			0			0			0			0			0			0			10		**10**
PHYSICAL RECHARGE FI		1,013			0			2,184			264			0			0			0			0			0			834			4,295		**4,295**
PHYSICAL RECHARGE FI		501			0			0			0			0			0			0			0			0			0			501	0	**501**
TRANSACTIONS - FK - SECTION 215																																		
PURCHASE OF 4% RESERVE					16									20																		36		**36**
ACCOUNT BALANCE		501			16			0			0			20			0			0			0			0			0			537		**537**
PHYSICAL RECHARGE KR - FLOOD			0			0			1,797			3,188			0			0			0			0			0			2,060			7,045	**7,045**
TRANSACTIONS - KR - FLOOD																																		
PURCHASE OF 4% RESERVE												46																					46	**46**
ACCOUNT BALANCE			0			0			1,797			3,234			0			0			0			0			0			2,060			5,031	**5,031**
PHYSICAL RECHARGE KR - CITY MI			0			0			0			1,000			0			0			0			0			0			0			1,000	**1,000**
TRANSACTIONS - KR CITY MISCELLANEOUS																																		
PURCHASE OF 4% RESERVE						109			67			1,022			56																		1,254	**1,254**
ACCOUNT BALANCE			0			109			67			2,022			56			0			0			0			0			0			2,254	**2,254**
PHYSICAL RECHARGE KR - HACIEN			0			0			0			0			0			0			0			0			0			0			0	**0**
TRANSACTIONS - KR HACIENDA																																		
PURCHASE OF 4% RESERVE						106						125																					231	**231**
ACCOUNT BALANCE			0			106			0			125			0			0			0			0			0			0			231	**231**
PHYSICAL RECHARGE KR - BUENA			0						0			382			0			0			0			0			0			0			382	**382**
PHYSICAL RECHARGE KR - BUENA			0						0			3,739			0			0			0			0			0			0			3,739	**3,739**
TOTAL ACCO	**0**	**1,514**	**0**	**264**	**43**	**215**	**122**	**2,184**	**1,864**	**779**	**264**	**9,502**	**145**	**20**	**56**	**283**	**0**	**0**	**74**	**0**	**0**	**88**	**0**	**0**	**0**	**0**	**0**	**0**	**834**	**2,060**	**1,755**	**5,693**	**13,697**	**20,311**

KERN COUNTY WATER AGENCY

PIONEER PROJECT - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1996			1997			1998			1999			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE SWP	6,619			0			0			0			6,619			**6,619**
PHYSICAL RECHARGE FK - FLOOD		0			0			264			0			264		**264**
PHYSICAL RECHARGE FK SECTION 215		0			0			1,400			1,908			3,308		**3,308**
PHYSICAL RECHARGE KR - FLOOD			1,689			0			4,693			0			6,382	**6,382**
PHYSICAL RECHARGE KR - CITY MISCELLANEOUS			125			0			3,973			0			4,098	**4,098**
PHYSICAL RECHARGE KR - CITY MISCELLANEOUS			0			0			1,791			0			1,791	**1,791**
PHYSICAL RECHARGE KR - HACIENDA			0			0			1,371			0			1,371	**1,371**
TOTAL ACCOUNT BALANCE	**6,619**	**0**	**1,814**	**0**	**0**	**0**	**0**	**1,664**	**11,828**	**0**	**1,908**	**0**	**6,619**	**3,572**	**13,642**	**23,833**

KERN DELTA WD

PIONEER PROJECT - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER	1995			1996			1997			1998			1999			2002			2003			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RE	0			0			1,797			2,680			0			0			0			2,797			3,320			10,594			10,594
TRANSACTIONS - SWP																															
PURCHASE OF 4% RESERVE				264			122						145			31			876									1,293			1,293
ACCOUNT BA	0			264			1,919			2,680			145			31			876			2,797			3,320			11,887			11,887
PHYSICAL RE	0			0									0			0			0			0			0			0			0
TRANSACTIONS - SWP																															
PURCHASE OF 4% RESERVE																43			56									99			99
ACCOUNT BA	0			0			0			0			0			43			56			0			0			99			99
PHYSICAL RECHARGE - FK - AE/ID4																													0		0
TRANSACTIONS - FK - AE/ID4																															
PURCHASE OF 4% RESERVE					16																								16		16
ACCOUNT BALANCE					16			0			0			0			0			0			0			0			16		16
PHYSICAL RECHARGE - FK - SWID DIRECT																													0		0
TRANSACTIONS - FK SWID DIRECT																															
PURCHASE OF 4% RESERVE					10																								10		10
ACCOUNT BALANCE					10			0			0			0			0			0			0			0			10		10
PHYSICAL RECHARGE FI		1,014						2,184			259			0			0			0			0			996			4,453		4,453
PHYSICAL RECHARGE FI		500			0			0			0			0			0			0			0			0			500	0	500
TRANSACTIONS - FK - SECTION 215																															
PURCHASE OF 4% RESERVE					17									20															37		37
ACCOUNT BALANCE		500			17			0			0			20			0			0			0			0			537		537
PHYSICAL RECHARGE KR - FLOOD			0			0			0			3,735			0			0			0			0			2,060			5,795	5,795
TRANSACTIONS - KR - FLOOD																															
PURCHASE OF 4% RESERVE																														0	0
ACCOUNT BALANCE			0			0			0			3,735			0			0			0			0			2,060			5,795	5,795
PHYSICAL RECHARGE KR - CITY M			0			0			0			6,073			0			0			0			0			0			6,073	6,073
TRANSACTIONS - KR CITY MISCELLANEOUS																															
PURCHASE OF 4% RESERVE						108			66						56															230	230
ACCOUNT BALANCE			0			108			66			6,073			56			0			0			0			0			6,303	6,303
PHYSICAL RECHARGE KR - HACIEN			0			0			0			0			0			0			0			0			0			0	0
TRANSACTIONS - KR HACIENDA																															
PURCHASE OF 4% RESERVE						107																								107	107
ACCOUNT BALANCE			0			107			0			0			0			0			0			0			0			107	107
PHYSICAL RECHARGE KR - BUENA			0			0			0			1,438			0			0			0			0			0			1,438	1,438
PHYSICAL RECHARGE KR - KERN D			0			3,591			0			0			0			0			0			0			607			4,198	4,198
TOTAL ACCO	0	1,514	0	264	43	3,806	1,919	2,184	66	2,680	259	11,246	145	20	56	74	0	0	932	0	0	2,797	0	0	3,320	996	2,667	12,131	5,016	17,841	34,988

ROSEDALE-RIO BRAVO WSD

PIONEER PROJECT - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1996			1997			1998			2000			2005			2006			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE SWP	0			0			261			0			3,112			2,919			6,292			**6,292**
PHYSICAL RECHARGE SWP - ARTICLE 21	0			0			0			0			0			438			438			**438**
PHYSICAL RECHARGE FK - FLOOD		0			2,184			627			0			0			994			3,805		**3,805**
PHYSICAL RECHARGE FK - 215		0			0			0			0			0			3,024			3,024		**3,024**
PHYSICAL RECHARGE FK - AE/RRB		0			0			0			21,314			23,103						44,417		**44,417**
PHYSICAL RECHARGE FK - KTRG/RRB		0			0			0			627			5,152						5,779		**5,779**
PHYSICAL RECHARGE KR - FLOOD			0			1,797			3,941			0			0			2,059			7,797	**7,797**
PHYSICAL RECHARGE KR - CITY MISCELLANEOUS			0			0			5,403			0			0			0			5,403	**5,403**
PHYSICAL RECHARGE KR - ROSEDALE-RIO BRAVO			0			341			0			0			252			1,623			2,216	**2,216**
PHYSICAL RECHARGE KR - BUENA VISTA			0			0			1,923			0			0			0			1,923	**1,923**
TRANSACTIONS - KR:																						
TRANSFER OF BVWSD ODC TO RRBWSD FOR BANKED FK-2006															7,000						7,000	**7,000**
TOTAL ACCOUNT BALANCE	**0**	**0**	**0**	**0**	**2,184**	**2,138**	**261**	**627**	**11,267**	**0**	**21,941**	**0**	**3,112**	**28,255**	**7,252**	**3,357**	**4,018**	**3,682**	**6,730**	**54,001**	**24,339**	**88,094**

HENRY MILLER WD

2800 ACRES - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1996			1997			2004			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	0			0			0			0			0
TRANSACTIONS - SWP													
PURCHASE OF 4% RESERVE	65									65			65
ACCOUNT BALANCE	**65**			**0**			**0**			**65**			**65**
PHYSICAL RECHARGE - FK - AE/ID4											0		0
TRANSACTIONS - FK - AE/ID4													
PURCHASE OF 4% RESERVE		6									6		6
ACCOUNT BALANCE		**6**			**0**			**0**			**6**		**6**
PHYSICAL RECHARGE KR - CITY MISCELLANEOUS			0			0			0			0	0
TRANSACTIONS - KR CITY MISCELLANEOUS													
PURCHASE OF 4% RESERVE			78			17						95	95
ACCOUNT BALANCE			**78**			**17**			**0**			**95**	**95**
TOTAL ACCOUNT BALANCE	**65**	**6**	**78**	**0**	**0**	**17**	**0**	**0**	**0**	**65**	**6**	**95**	**166**

TABLE 3E-18

KERN COUNTY WATER AGENCY

2800 ACRES - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1996			1997			1998			2004			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE SWP	7,121			0			0			0			7,121			7,121

TABLE 3E-19

KERN DELTA WD

2800 ACRES - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1996			1997			2004			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE - SWP	0			0			0			0			0
TRANSACTIONS - SWP													
PURCHASE OF 4% RESERVE	65									65			65
ACCOUNT BALANCE	**65**			**0**			**0**			**65**			**65**
PHYSICAL RECHARGE - FK - AE/ID4											0		0
TRANSACTIONS - FK - AE/ID4													
PURCHASE OF 4% RESERVE		6									6		6
ACCOUNT BALANCE		**6**			**0**			**0**			**6**		**6**
PHYSICAL RECHARGE KR - CITY MISCELLANEOUS			0			0			0			0	0
TRANSACTIONS - KR CITY MISCELLANEOUS													
PURCHASE OF 4% RESERVE			77			17						94	94
ACCOUNT BALANCE			**77**			**17**			**0**			**94**	**94**
TOTAL ACCOUNT BALANCE	**65**	**6**	**77**	**0**	**0**	**17**	**0**	**0**	**0**	**65**	**6**	**94**	**165**

TABLE 3E-20

ROSEDALE-RIO BRAVO WSD

2800 ACRES - SUMMARY OF OVERDRAFT CORRECTION ACCOUNTS

THROUGH DECEMBER 2006

WATER TYPE	1995			1996			2004			TOTAL			
	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	SWP	FK	KR	TOTAL
PHYSICAL RECHARGE FK - AE/RRB		0			1,104			0			1,104		**1,104**
PHYSICAL RECHARGE KR - ROSEDALE-RIO BRAVO			1,452			0			0			1,452	**1,452**
TOTAL ACCOUNT BALANCE	**0**	**0**	**1,452**	**0**	**1,104**	**0**	**0**	**0**	**0**	**0**	**1,104**	**1,452**	**2,556**

TABLE 3E-21

Chapter 4

2005-2006 GROUNDWATER LEVEL INTERPRETIVE STUDIES

Water Levels

Groundwater levels are discussed in the following order:

A. Depth to Water Contours
B. Water-Level Elevation and Direction of Groundwater Flow Maps
C. Water-Level Profiles (1993-2007)
D. Water-Level Change Contours (2005-2007)
E. Water-Level Hydrographs

A. Depth to Water Contours

Plate 4A-1 shows depth to water for Spring 2006 in the middle zone (layer 2, intermediate zone). This map may not be representative of groundwater depths in the shallowest intervals in a specific area. Depth to water was less than 60 feet below ground surface (bgs) along a recharge ridge beneath most of the City of Bakersfield 2,800-acre recharge facility, the Pioneer Project, and the Kern Water Bank in Spring 2006. Depth to water was greater southeast of the recharge ridge reaching over 100 feet bgs in part of Kern Delta Water District near Greenfield. Depth to water also was also greater northwest of the ridge, reaching over 200 feet bgs in the northwest part of the study area, north of Highway 58.

Plate 4A-2 shows depth to water for Spring 2007. Depth to water was less than 40 feet bgs beneath the COB 2,800-acre recharge, the Pioneer Project, the Kern Water Bank, and some adjoining areas. Depth to water was greater to the north away from the Kern River reaching about 160 to 180 feet bgs near Highway 58 and more than 220 feet bgs near 7th Standard Road. Depth to water was also greater away from the Kern River to the southeast and east, reaching more than 140 feet bgs in most of the area east of Gosford Road.

B. Water-Level Elevations and Direction of Groundwater Flow

Plate 4B-1 shows water-level elevations and the direction of groundwater flow for Spring 2006 in the middle zone (layer 2). This map is considered representative of its strata tapped by most recovery wells, but may not be representative of groundwater depths in the shallowest intervals in a specific area. Water-level elevations were greater than 250 feet above mean sea level (ft amsl) beneath most of the City of Bakersfield 2,800-acre recharge facility, the Berrenda Mesa and Pioneer Projects, and the Kern Water Bank northeast of Interstate 5. North of Highway 58 and west of Enos Lane, water-level elevations were 80-130 ft amsl beneath a large area. Northwest of the recharge ridge, groundwater was primarily flowing toward the area north of Highway 58 and west of Enos Lane. Southeast of the ridge, groundwater was flowing to the southeast, toward the Kern Delta Water District.

Plate 4B-2 shows water-level elevations and the direction of groundwater flow for Spring 2007. Water-level elevations exceeded 300 ft amsl along a recharge ridge, oriented along the Kern River. Water-level elevations to the northwest of this ridge were approximately 100 ft amsl near 7th Standard Road. Groundwater was flowing away from the recharge area toward the Semitropic WSD to the northwest. Southeast of this recharge ridge, water-level elevations were about 200 to 220 ft amsl in most of the area southeast of the Buena Vista Canal. Groundwater was also flowing away from this recharge ridge in this area, and toward the Kern Delta Water District.

C. Water-Level Profiles

Figure 4C-1 shows spring water-level profiles along a section extending from northwest to southeast through the area. Figure 4C-2 shows the water-level profiles from the southwest to the northeast along the Kern River. The period covered by these profiles extends from Spring 1993 to Spring 2006. The water levels that are plotted generally correspond to the middle intervals of the cluster monitoring wells. These are considered representative of water levels in most recovery wells, but aren't necessarily representative of the shallowest groundwater in a specific area.

The peak spring water levels were present in Spring 2006, following extensive recharge in and along the Kern River. Beyond a distance of about four miles to the southeast of the river, there was little change in water level between Spring 2002 and Spring 2006. On the northwest side of the river, water levels rose between Spring 2002 and Spring 2006 within a distance of about six miles from the river.

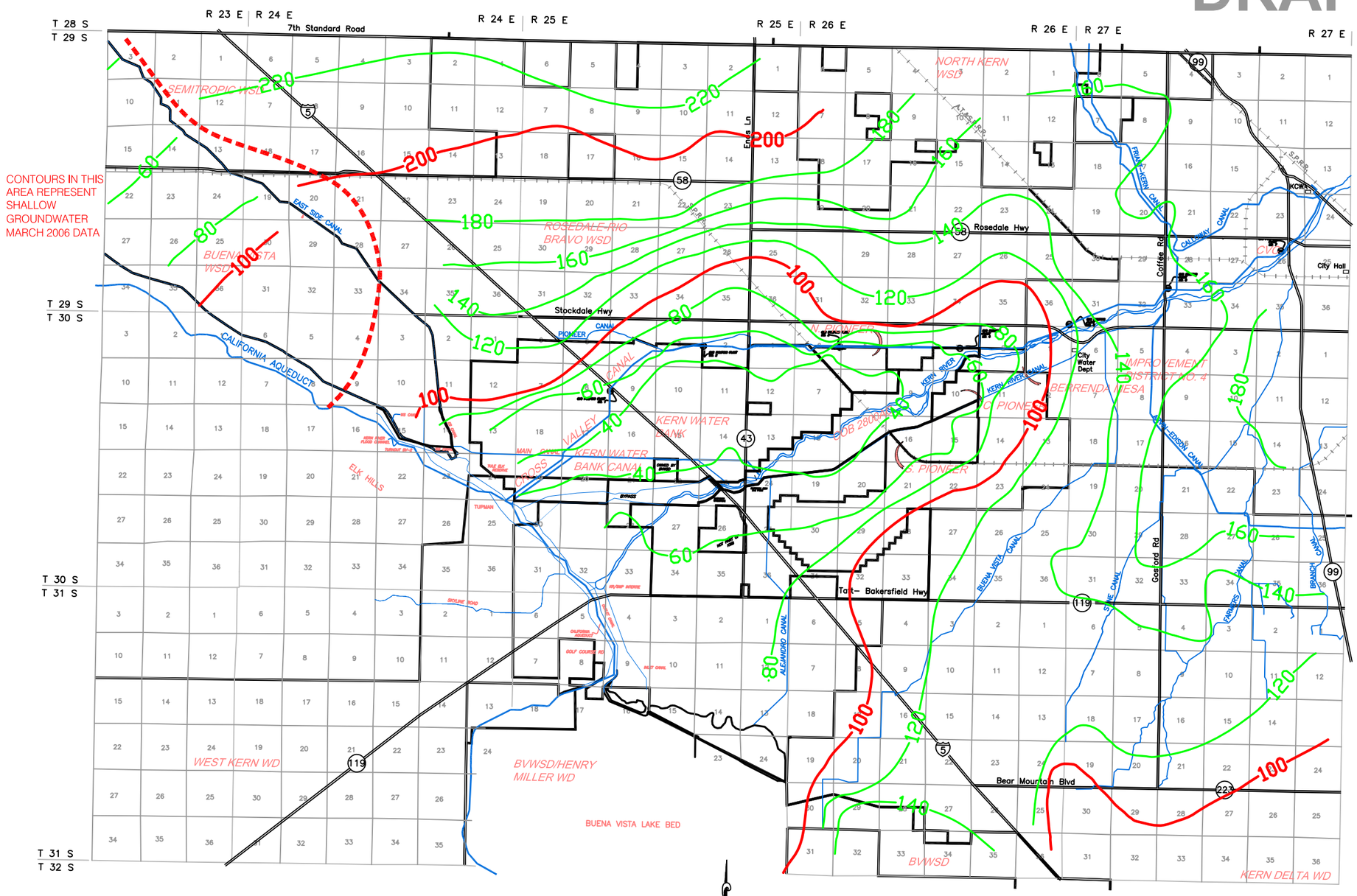
D. Water-Level Change Map

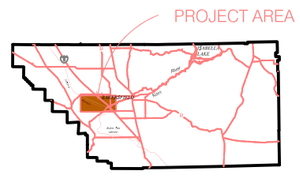
Plate 4D-1 represents water-level changes for Spring 2005 to Spring 2007. This map shows a water-level rise associated with Kern Fan recharge activities during this period. Water-level rises ranged from 80-130 feet beneath the KWB ponds, COB 2,800-acre recharge area, and North Pioneer project ponds. There was little change southeast of the Buena Vista canal in Kern Delta WD and to the north near Seventh Standard Road. Beneath much of the Rosedale-Rio Bravo WSD water levels rose 20-100 feet.

E. Water-Level Hydrographs

Section 4E contains groundwater level hydrographs for selected monitoring wells on the Kern Fan. Plate 4E-1 shows the location of selected monitoring wells. The first hydrograph, Figure 4E-1, is the long-term hydrograph for well T30S/R24E-02C01 that extends from 1935-2005. Areas covered by the following hydrographs, Figures 4E-2 – 4E-27, include the Kern Water Bank, North Pioneer Project, Berrenda Mesa Project, Rosedale-Rio Bravo Water Storage District, Buena Vista Water Storage District/West Kern Water District recharge area, and the westerly portion of Kern Delta Water District.

DRAFT





VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

DRAFT

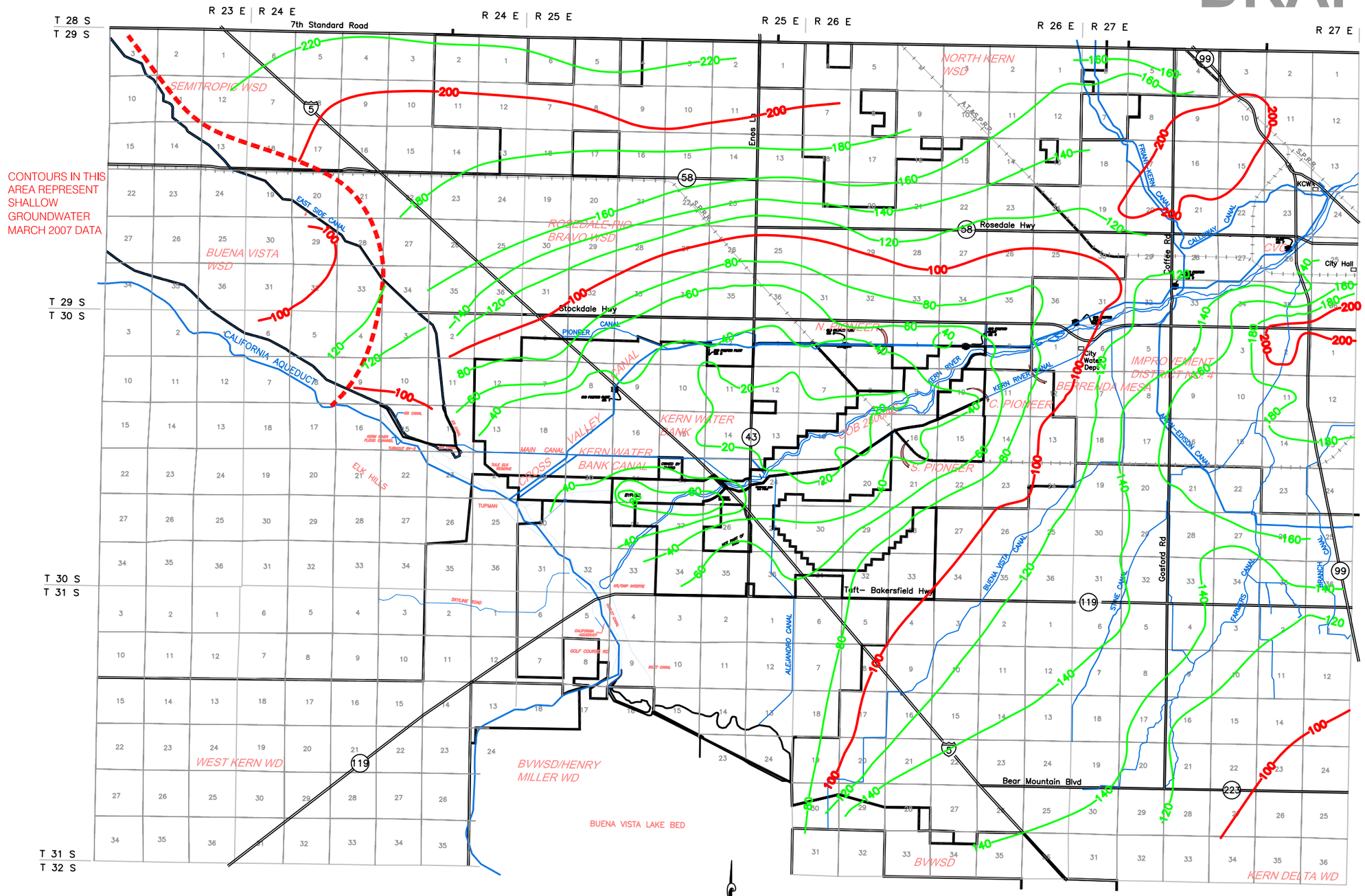
Kern Fan Monitoring Committee
Kern County, California

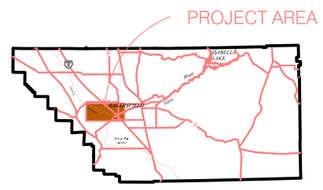
DEPTH TO WATER LEVEL
MIDDLE ZONE
SPRING 2006

K.D. SCHMIDT (hand contoured)

April 20, 2009

DRAFT





DRAFT

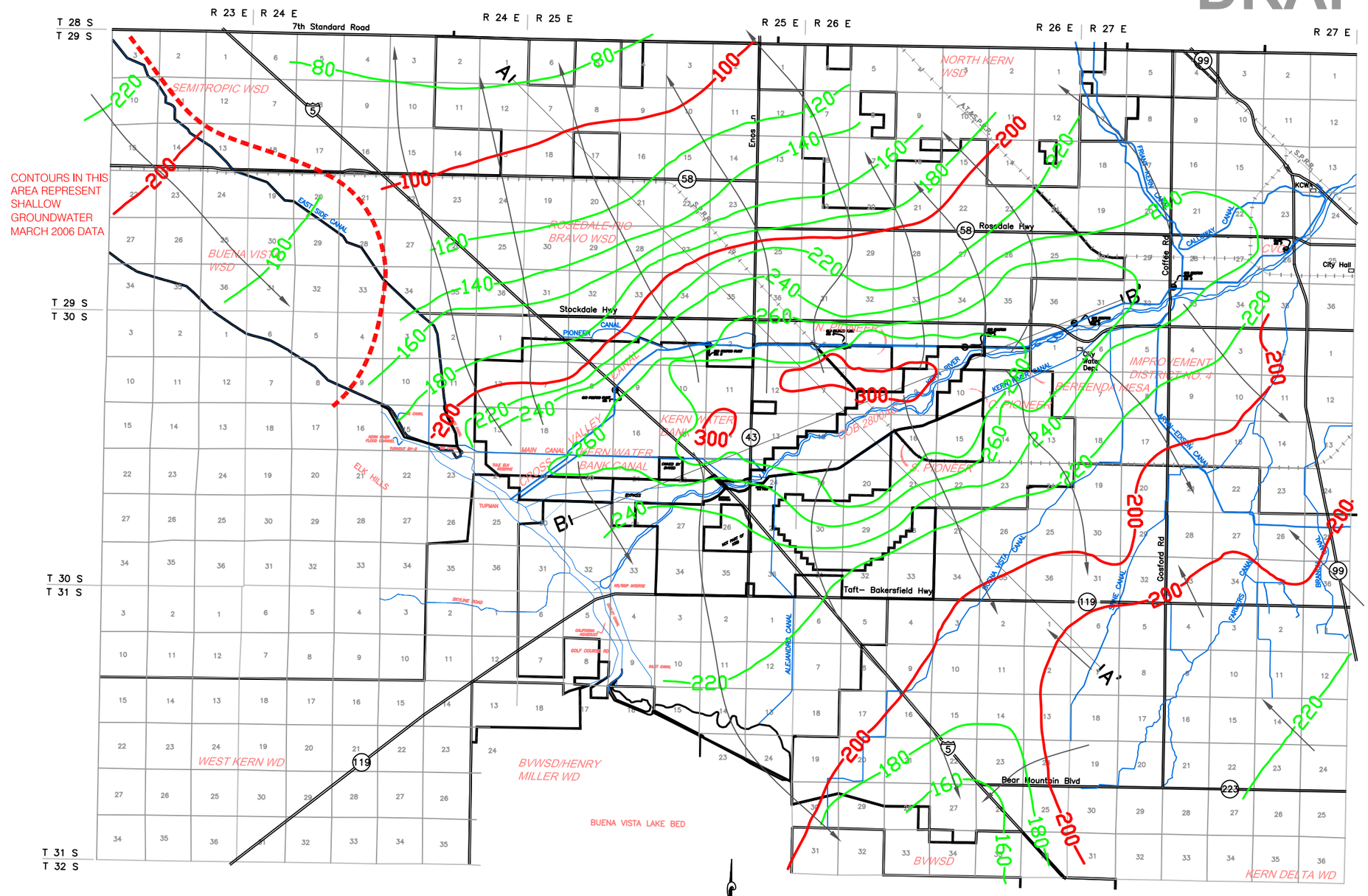
Kern Fan Monitoring Committee
Kern County, California

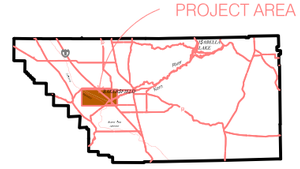
DEPTH TO WATER LEVEL
MIDDLE ZONE
SPRING 2007

K.D. SCHMIDT (hand contoured)

MAY 26,2008

DRAFT





VICINITY MAP

DRAFT

Kern Fan Monitoring Committee
Kern County, California

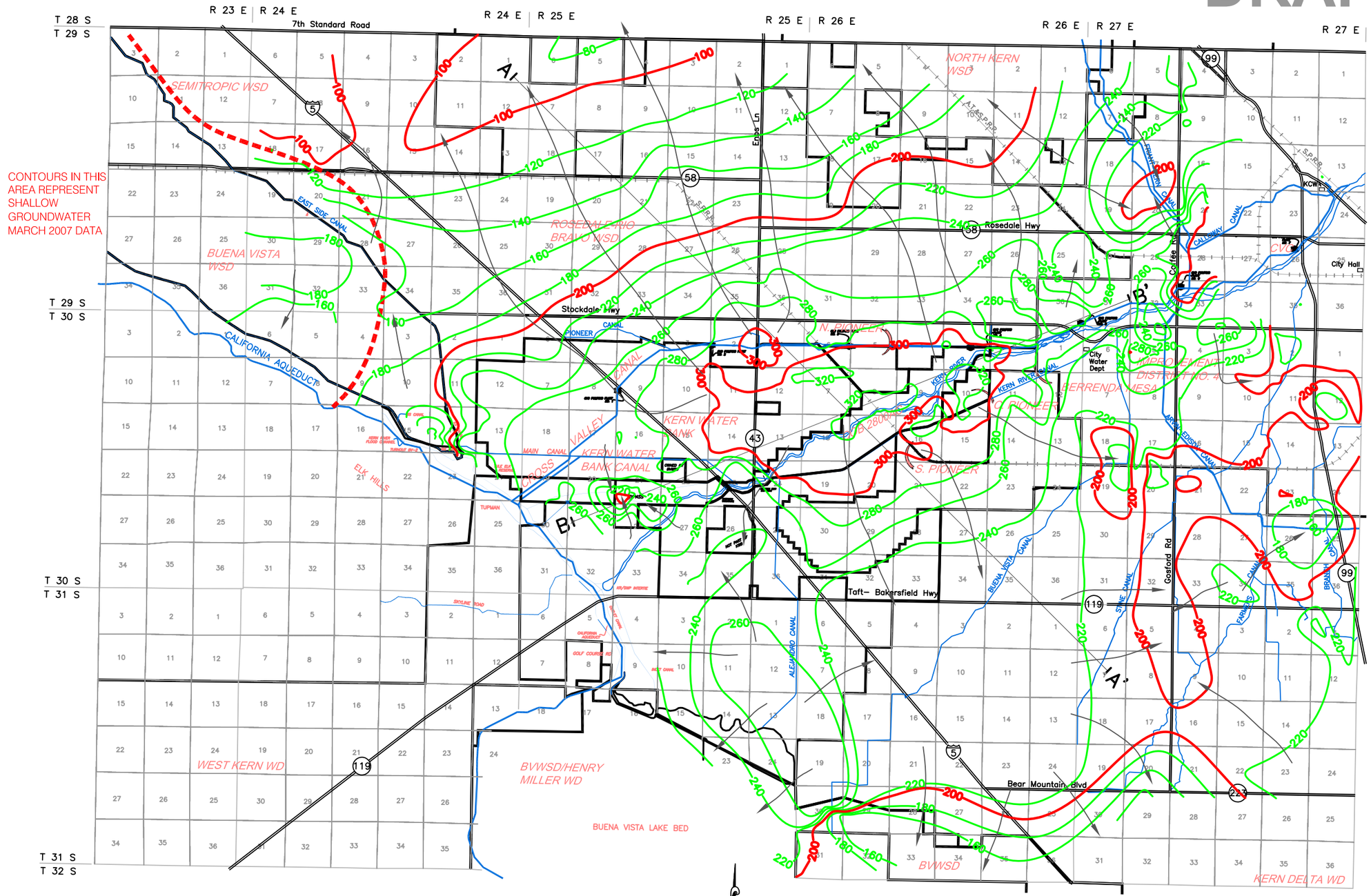
WATER LEVEL ELEVATIONS

DIRECTION OF GROUNDWATER FLOW
SPRING 2006

K.D. SCHMIDT (hand contoured)

MARCH 14, 2009

DRAFT



Kern Fan Monitoring Committee
Kern County, California

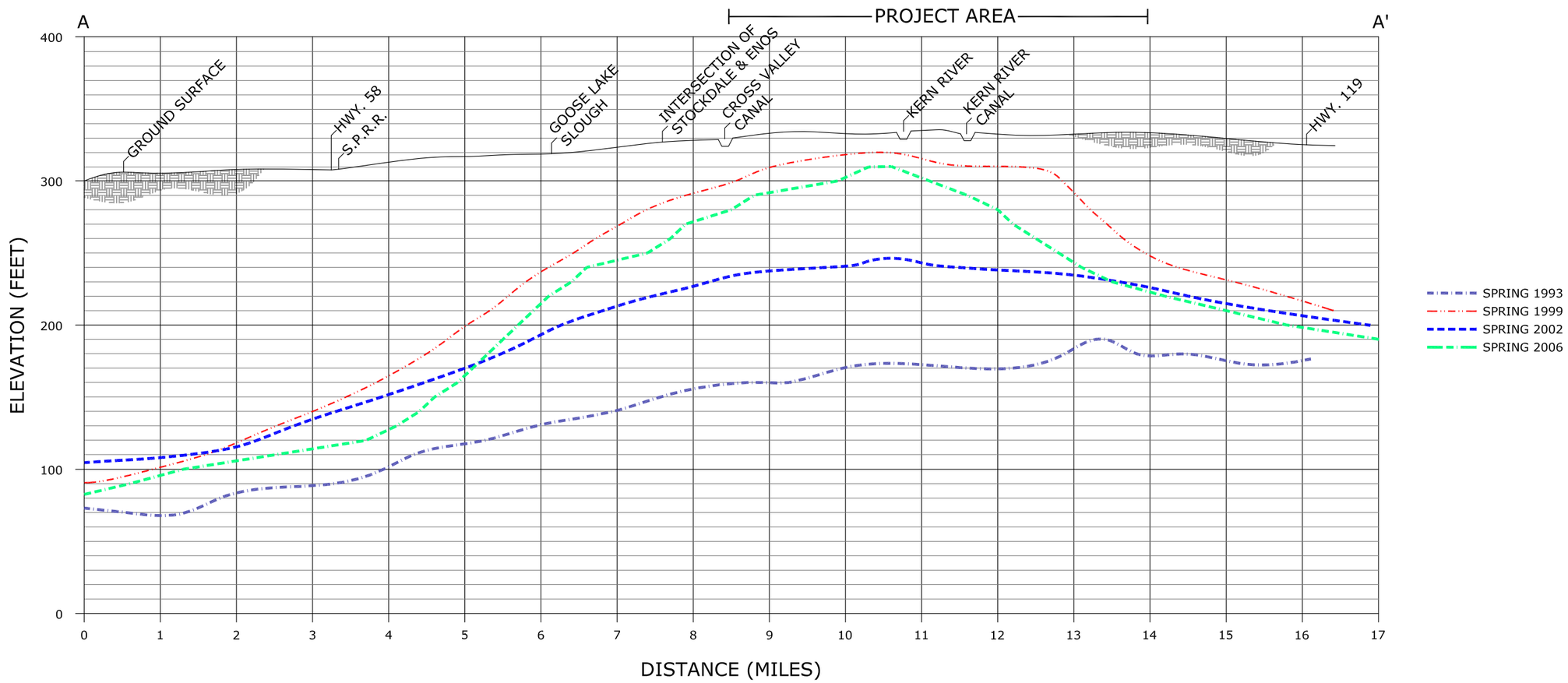
WATER LEVEL ELEVATION
DIRECTION OF GROUNDWATER FLOW
MIDDLE ZONE
SPRING 2007

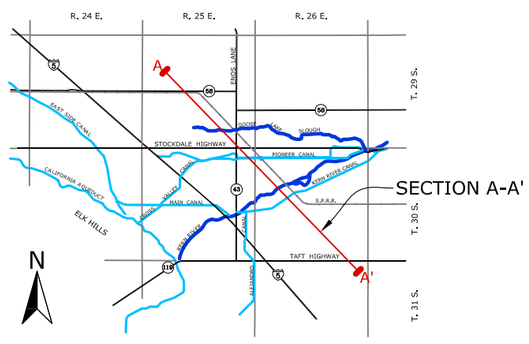
K.D. SCHMIDT (hand contoured)

OCTOBER, 2007

DRAFT

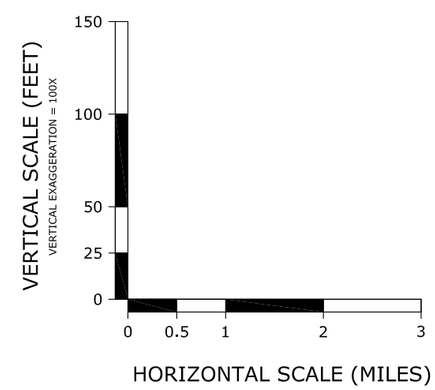
ELEVATION OF POTENTIOMETRIC SURFACE





VICINITY MAP
(NOT TO SCALE)

Note: The data used to develop this profile may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e. deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



KERN FAN OPERATIONS REPORT
HYDROLOGIC PROFILE A-A'

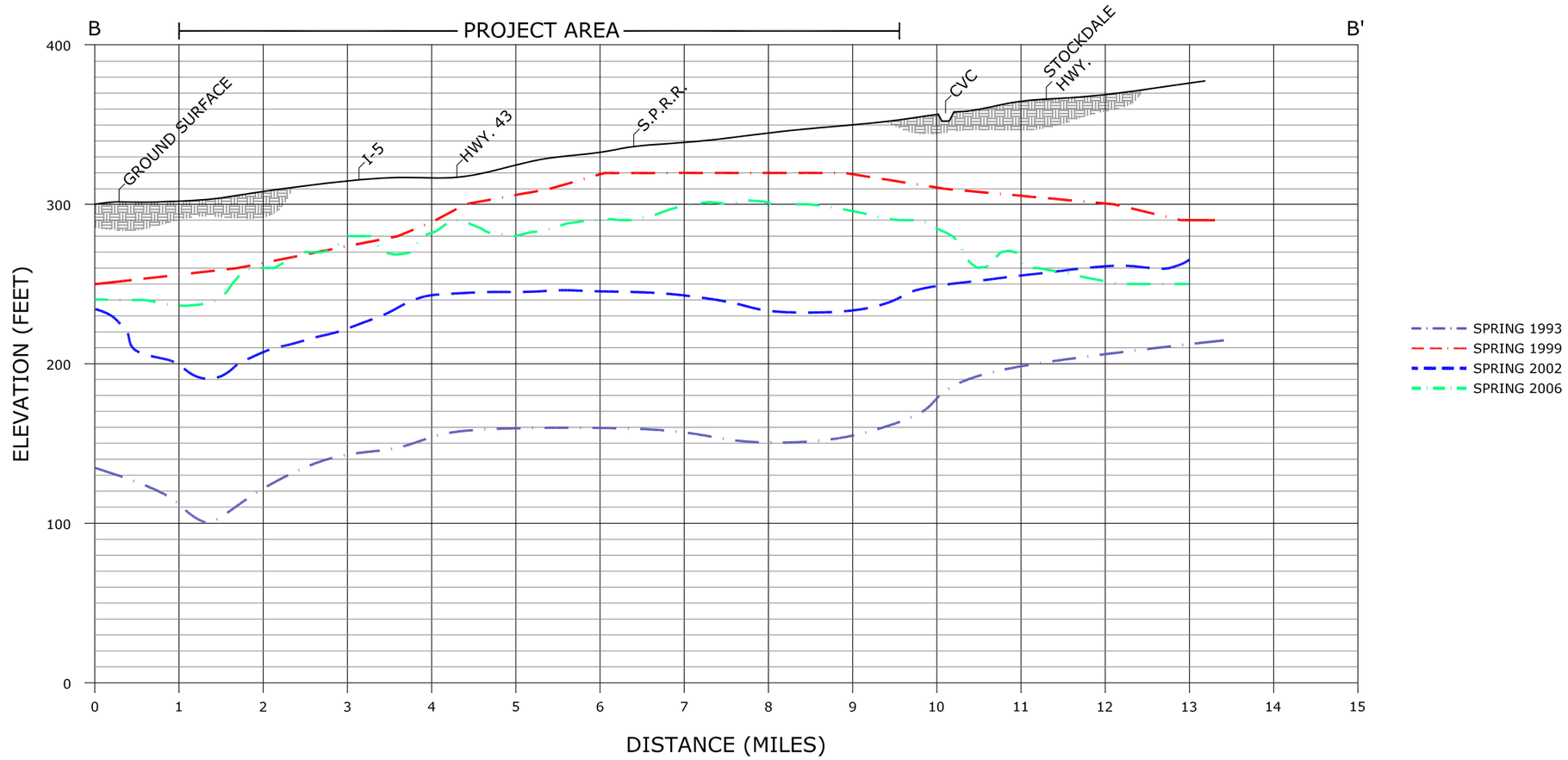
NO.	BY	DATE	DESCRIPTION

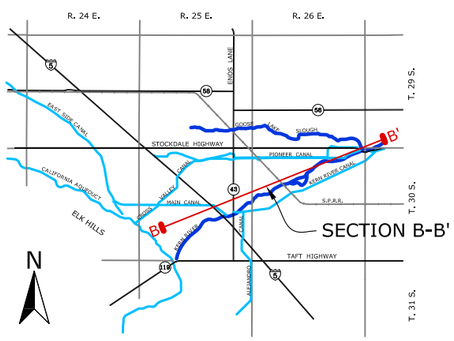
PROJECT: KERN FAN OPS REPORT
FILE NAME: Clean Profile A-A' 2006.dwg
DATE: 2009-08-06
DRAWN BY: S. CHAMBLESS
REVIEWED BY: M. CASTERLINE
APPROVED BY: T. HASLEBACHER

N
SCALE: AS SHOWN

PLATE x-2006

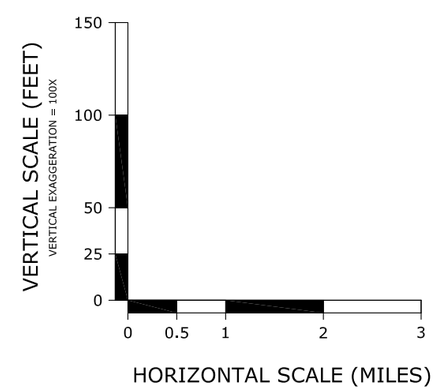
ELEVATION OF POTENTIOMETRIC SURFACE





VICINITY MAP
(NOT TO SCALE)

Note: The data used to develop this profile may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e. deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



KERN FAN OPERATIONS REPORT
HYDROLOGIC PROFILE B-B'

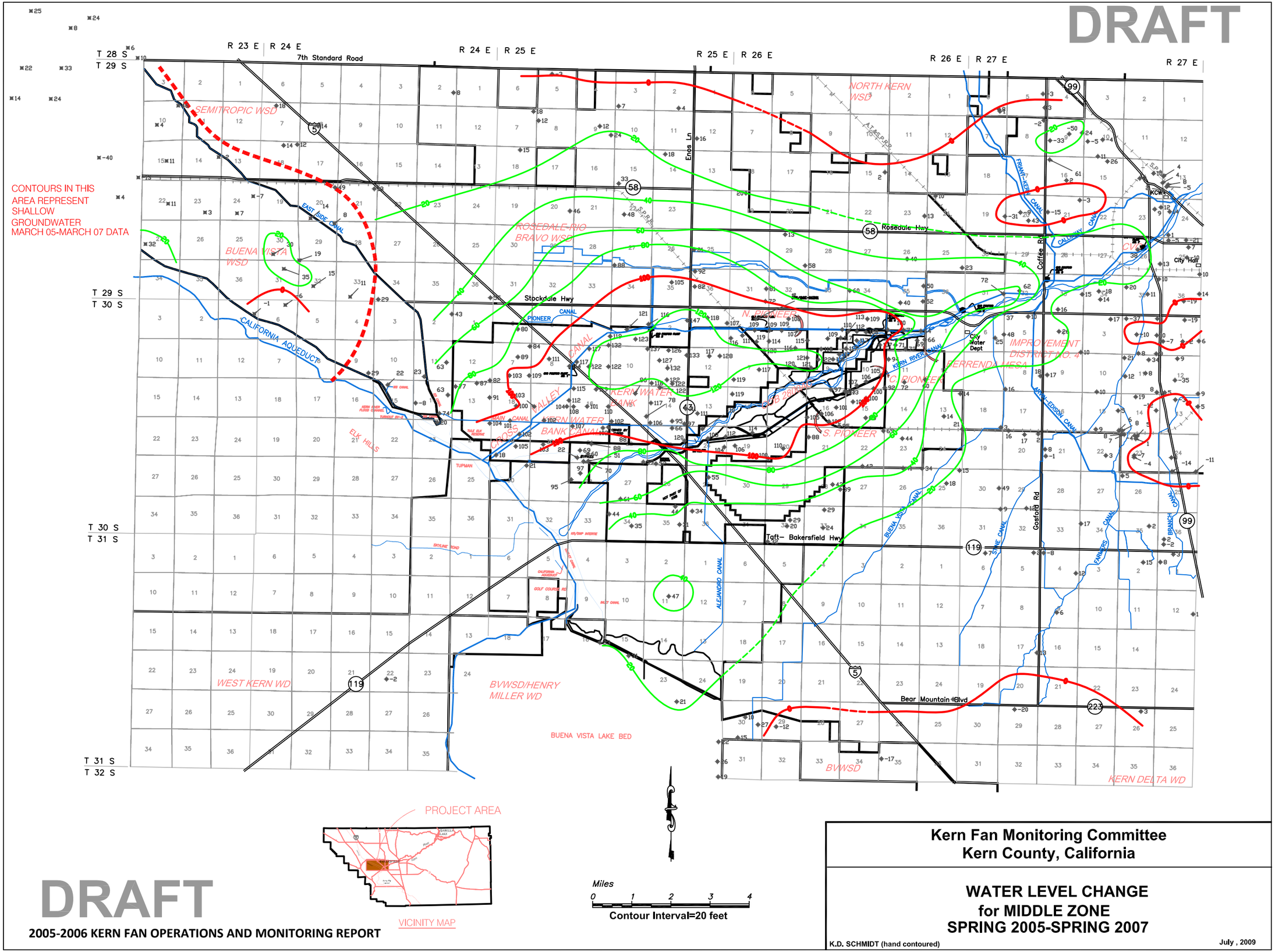
NO.	BY	DATE	DESCRIPTION

PROJECT: KERN FAN OPS REPORT
FILE NAME: Profile B-B' 2006.dwg
DATE: 2009-08-06
DRAWN BY: S. CHAMBLESS
REVIEWED BY: M. CASTERLINE
APPROVED BY: T. HASLEBACHER

N
SCALE: AS SHOWN

PLATE X-2006

DRAFT



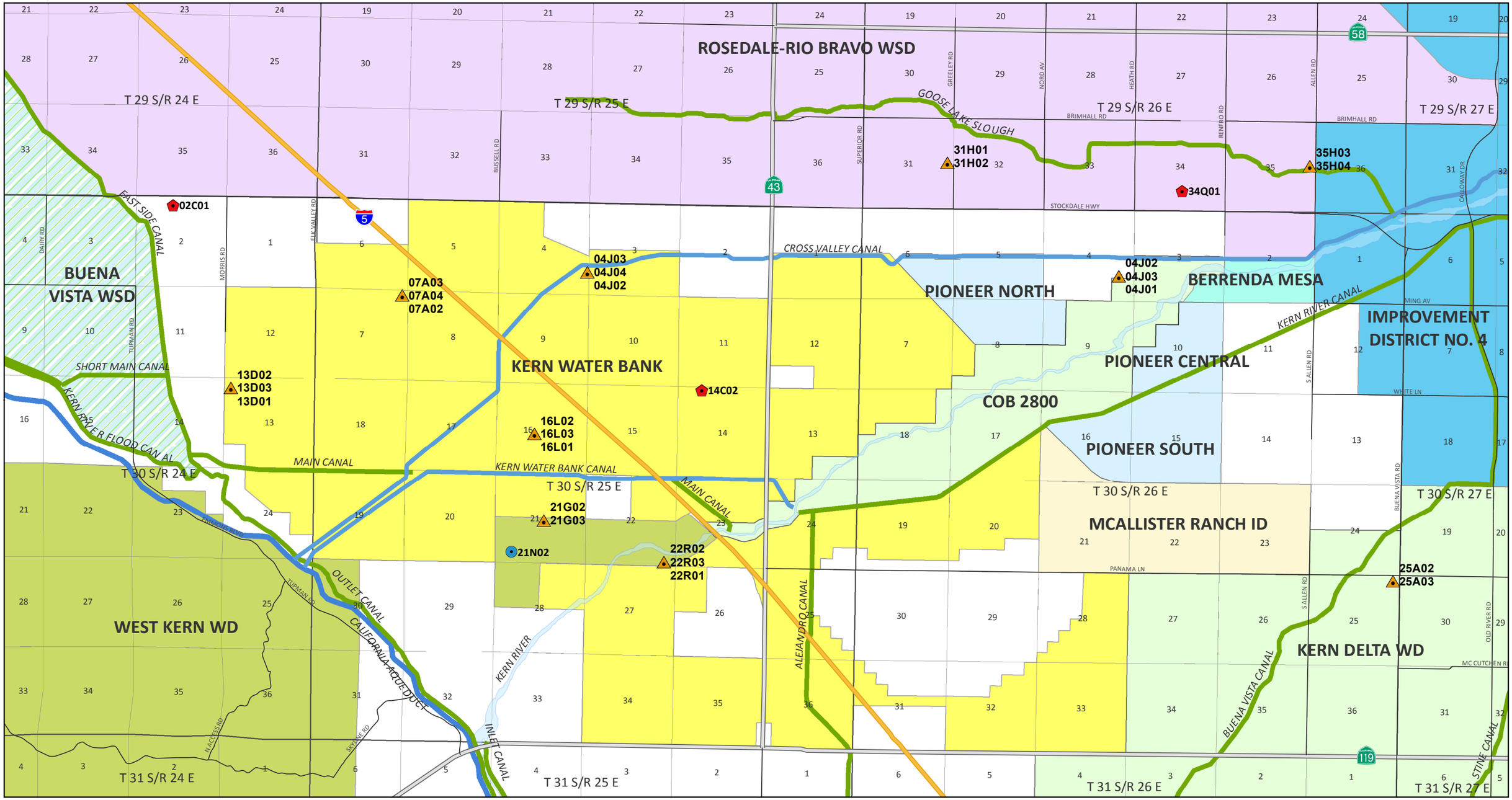
Kern Fan Monitoring Committee
Kern County, California

WATER LEVEL CHANGE
for MIDDLE ZONE
SPRING 2005-SPRING 2007

K.D. SCHMIDT (hand contoured)

July , 2009

DRAFT



KERN FAN UTILIZATION MAP
WELLS USED FOR HYDROGRAPHS

PLATE 4E-1

Created: 2010-1112, S. CHAMBLESS
Filename: Plate 4E-1 Wells Used for Hydrographs.mxd

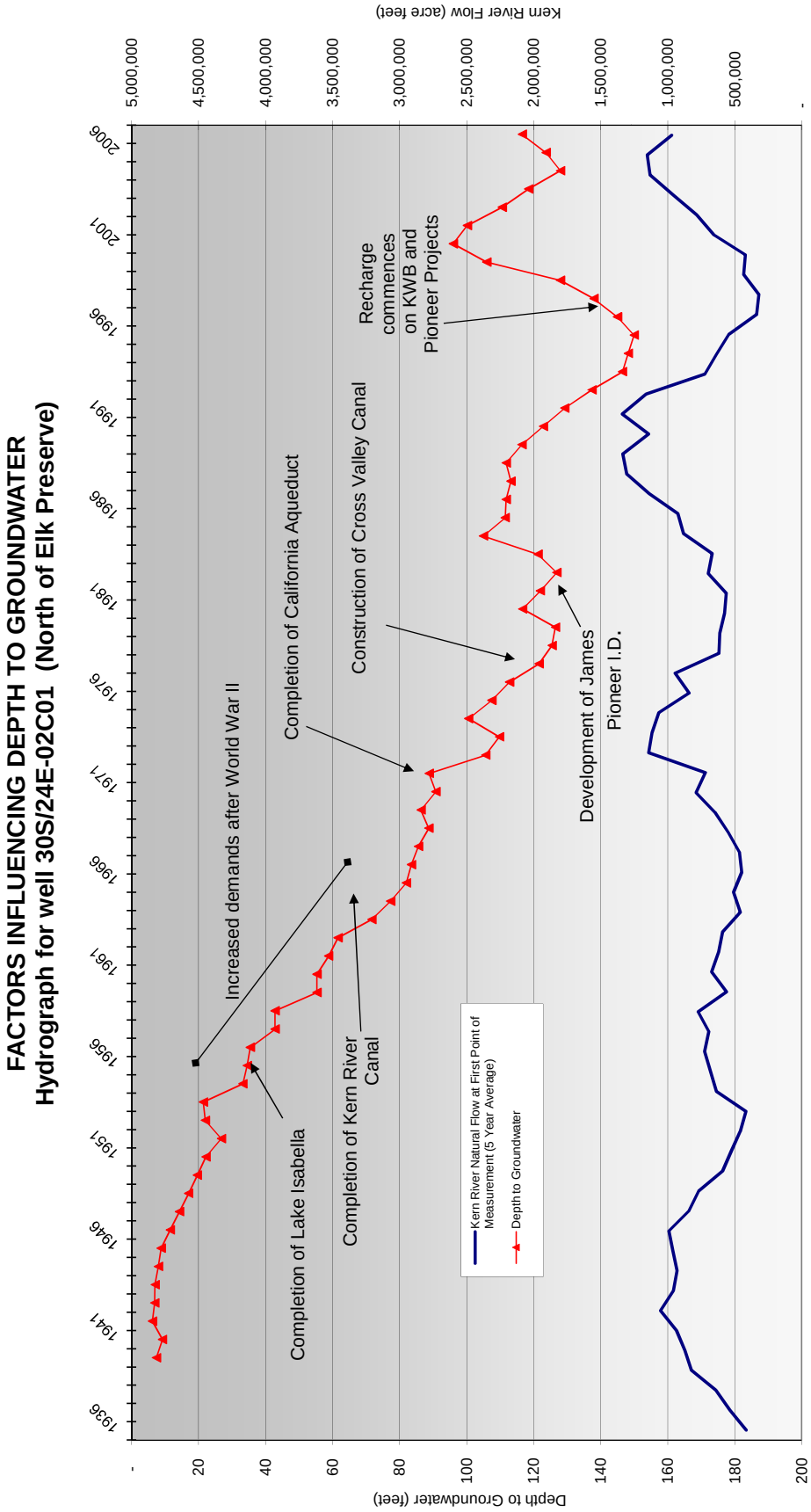
LEGEND

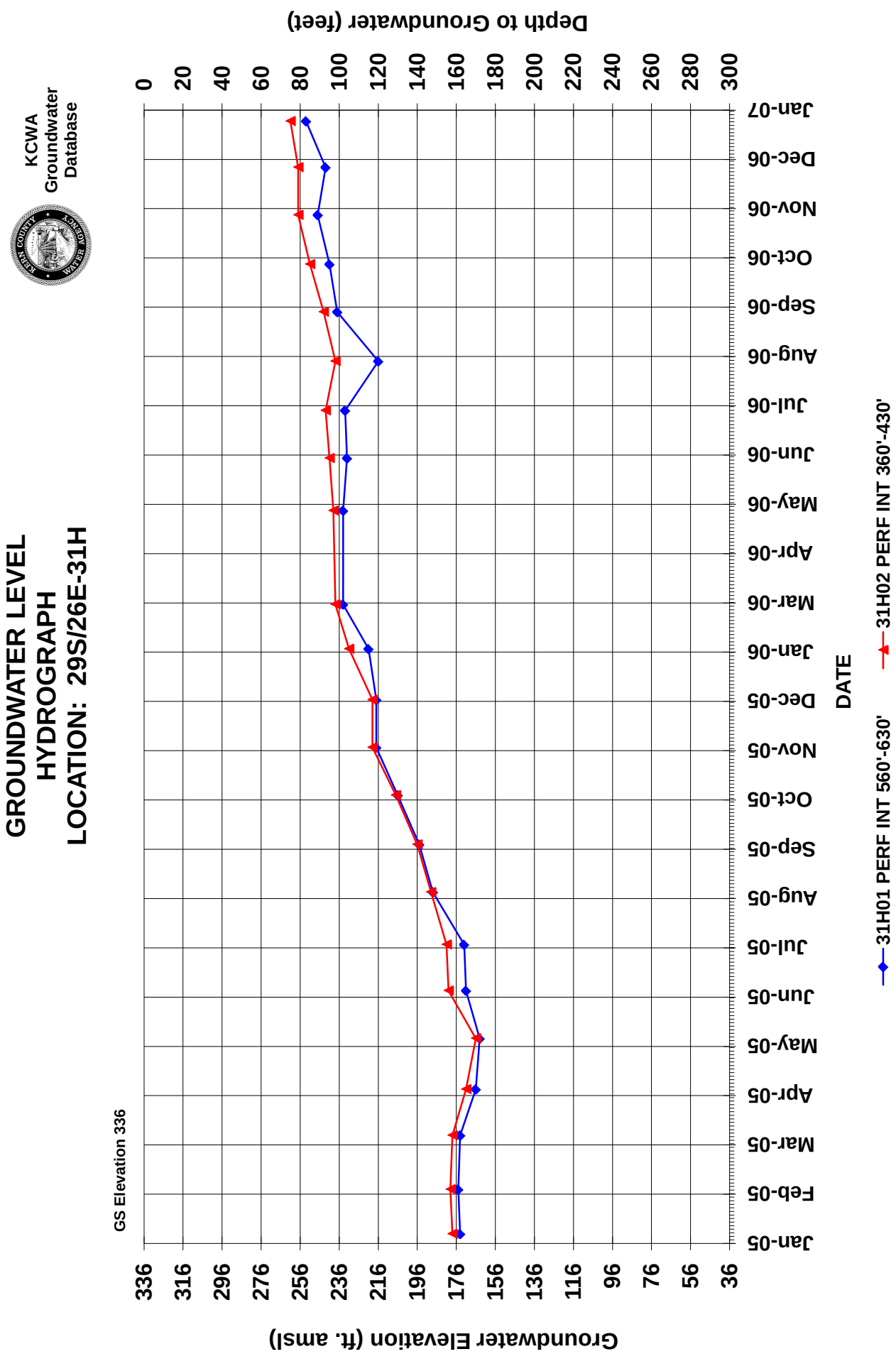
- WEST KERN WD PRODUCTION WELLS
- MULTI-COMPLETION MONITOR WELLS
- LONG TERM HYDROGRAPH WELLS

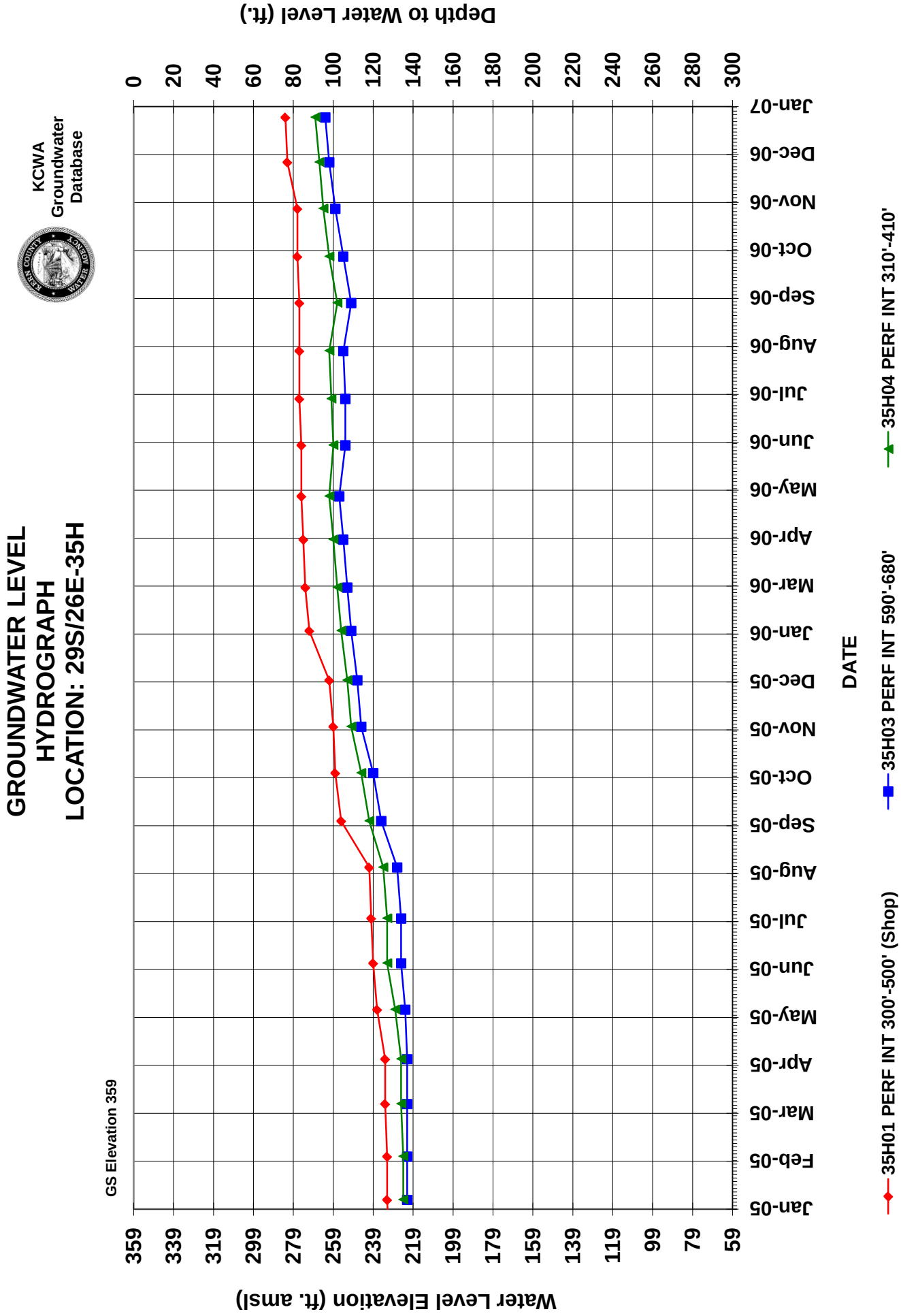
N

0 0.25 0.5 1 1.5 2 Miles

1 inch = 1 miles


FACTORS INFLUENCING DEPTH TO GROUNDWATER
Hydrograph for well 30S/24E-02C01 (North of Elk Preserve)
Depth to Groundwater (feet)
Kern River Flow (acre feet)
Increased demands after World War II
Completion of Lake Isabella
Completion of Kern River Canal
Completion of California Aqueduct
Construction of Cross Valley Canal
Recharge commences on KWB and Pioneer Projects
Development of James Pioneer I.D.
Kern River Natural Flow at First Point of Measurement (5 Year Average)
Depth to Groundwater


GROUNDWATER LEVEL
HYDROGRAPH
LOCATION: 29S/26E-31H
KCWA
Groundwater
Database
GS Elevation 336
Groundwater Elevation (ft. amsl)
336
316
296
276
256
236
216
196
176
156
136
116
96
76
56
36
Depth to Groundwater (feet)
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
Jan-05
Feb-05
Mar-05
Apr-05
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Dec-05
Jan-06
Mar-06
Apr-06
May-06
Jun-06
Jul-06
Aug-06
Sep-06
Oct-06
Nov-06
Dec-06
Jan-07
DATE
31H01 PERF INT 560'-630'
31H02 PERF INT 360'-430'


GROUNDWATER LEVEL
HYDROGRAPH
LOCATION: 29S/26E-35H
KCWA
Groundwater
Database
GS Elevation 359
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
359
339
319
299
279
259
239
219
199
179
159
139
119
99
79
59
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
Jan-05
Feb-05
Mar-05
Apr-05
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Dec-05
Jan-06
Mar-06
Apr-06
May-06
Jun-06
Jul-06
Aug-06
Sep-06
Oct-06
Nov-06
Dec-06
Jan-07
DATE
35H01 PERF INT 300'-500' (Shop)
35H03 PERF INT 590'-680'
35H04 PERF INT 310'-410'

GROUNDWATER LEVEL HYDROGRAPH
LOCATION: 30S/24E-13D

KCWA Groundwater Database

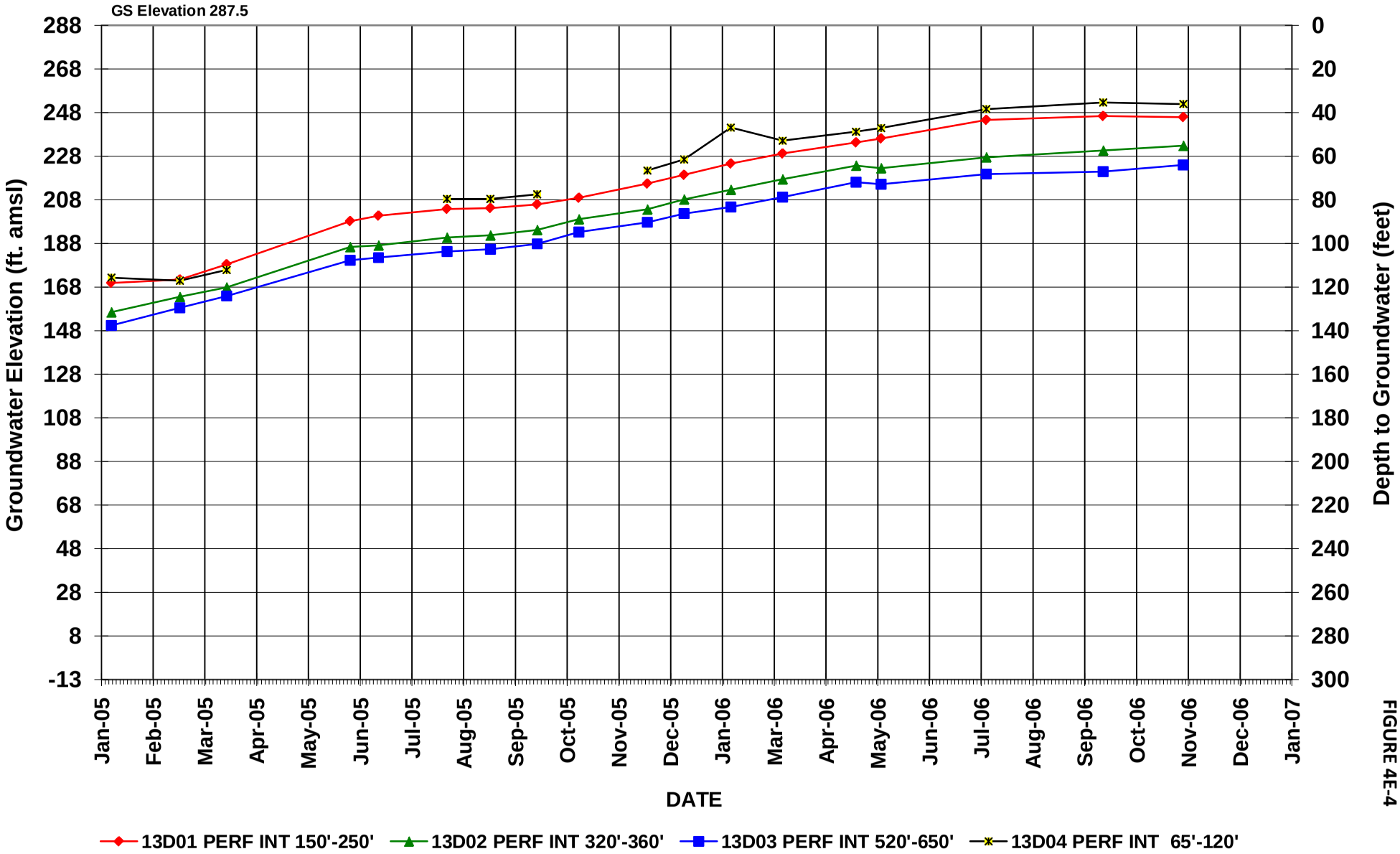


FIGURE 4E-4

GROUNDWATER LEVEL HYDROGRAPH
LOCATION: 30S/25E-04J

KCWA Groundwater Database

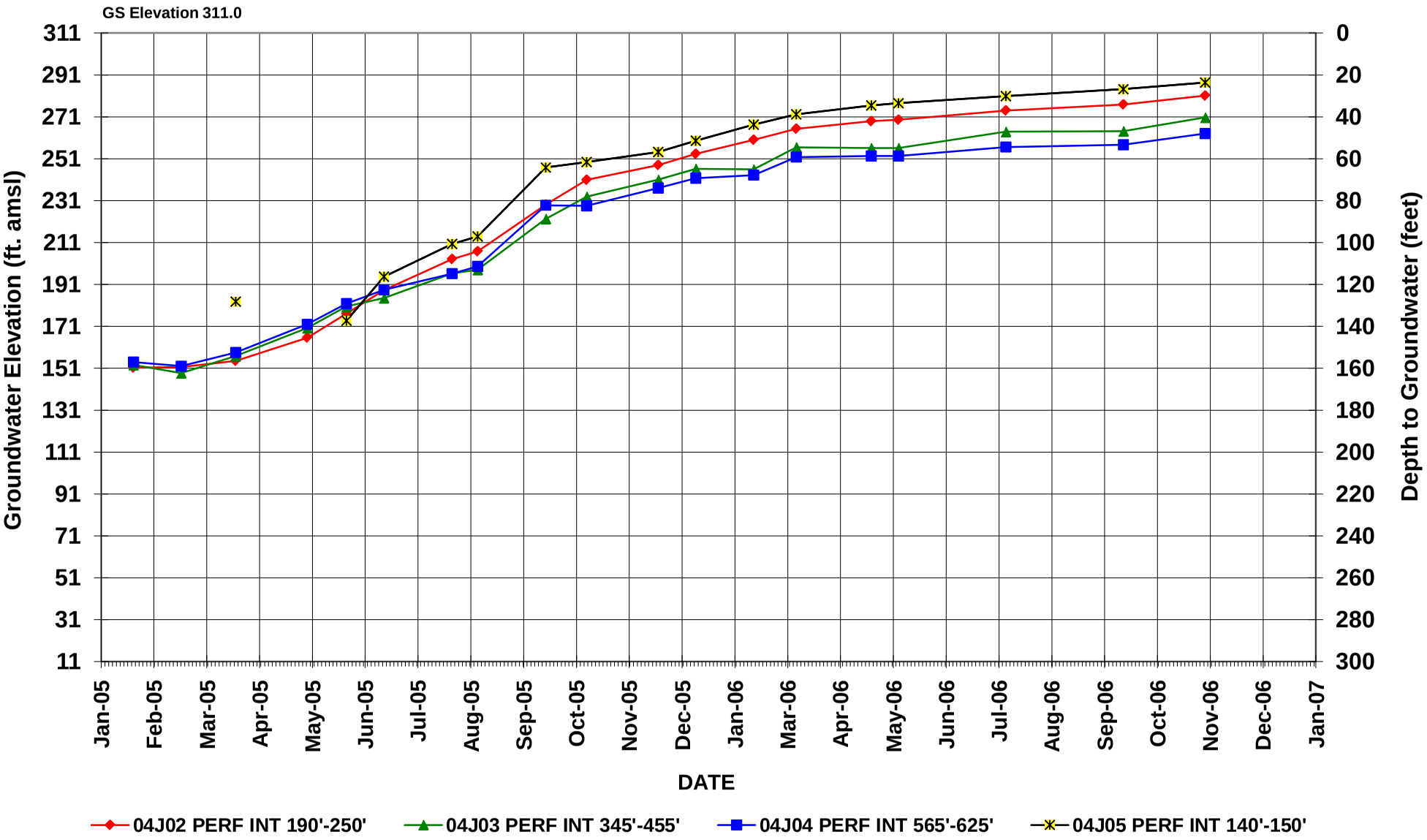
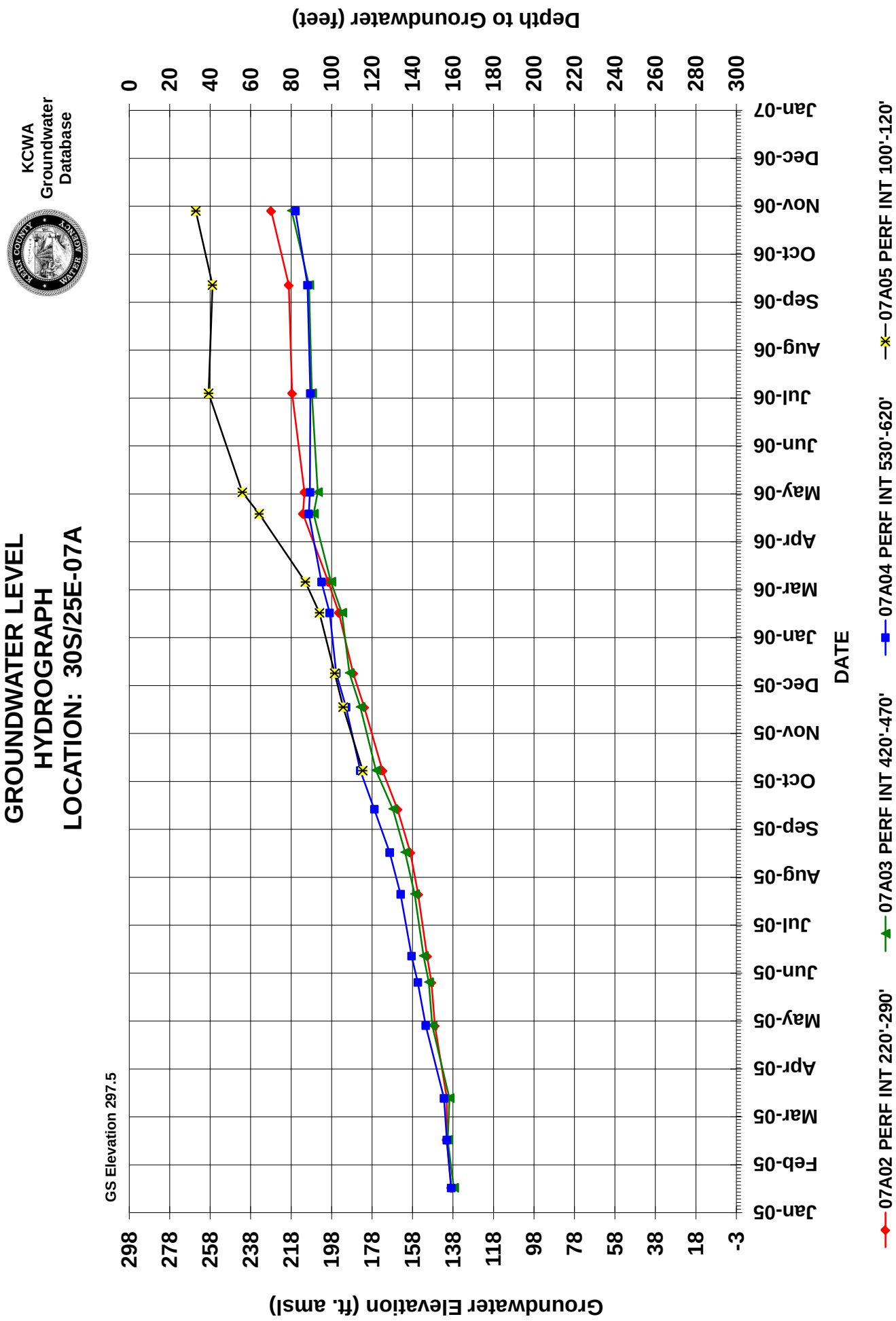
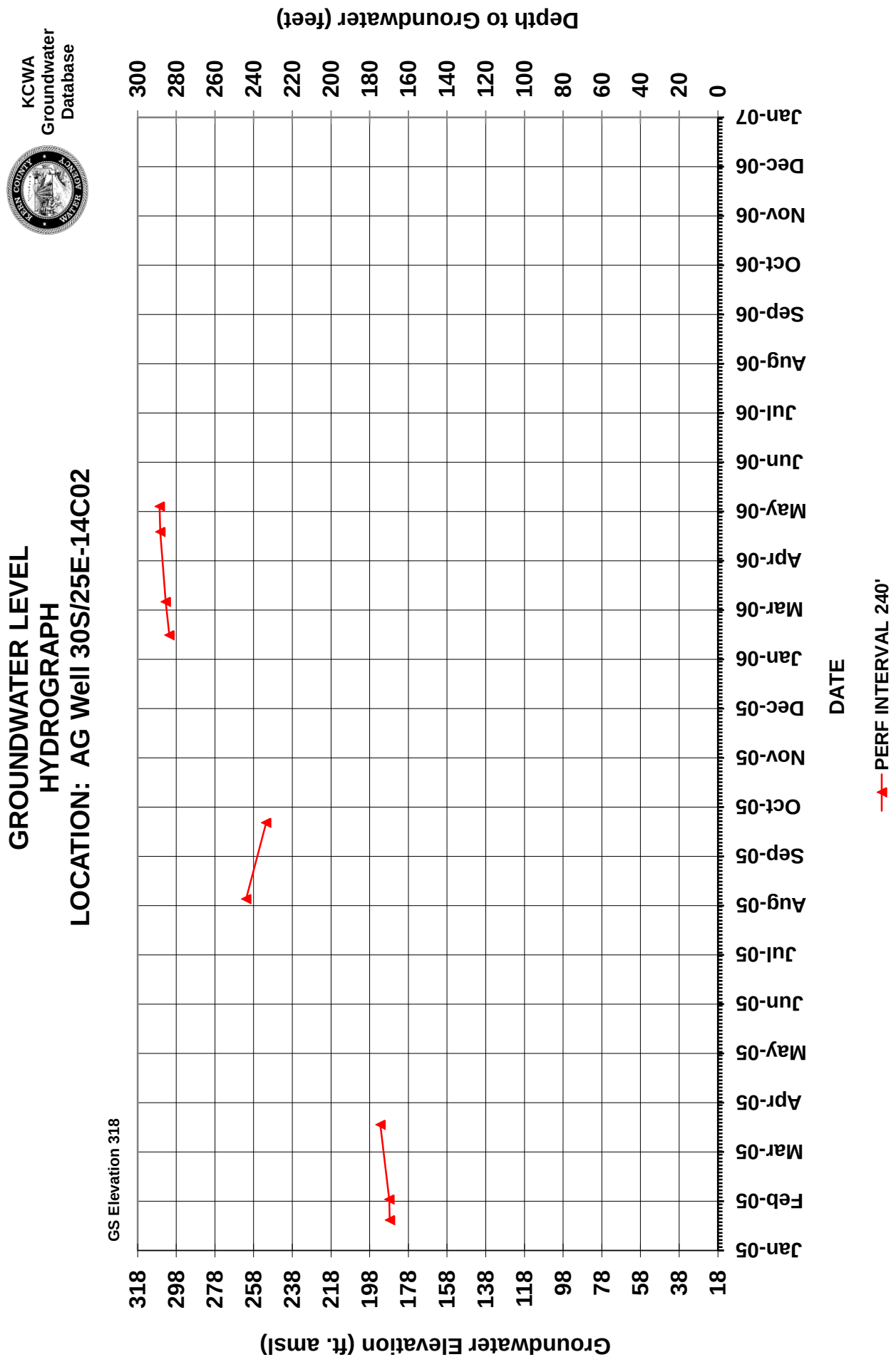
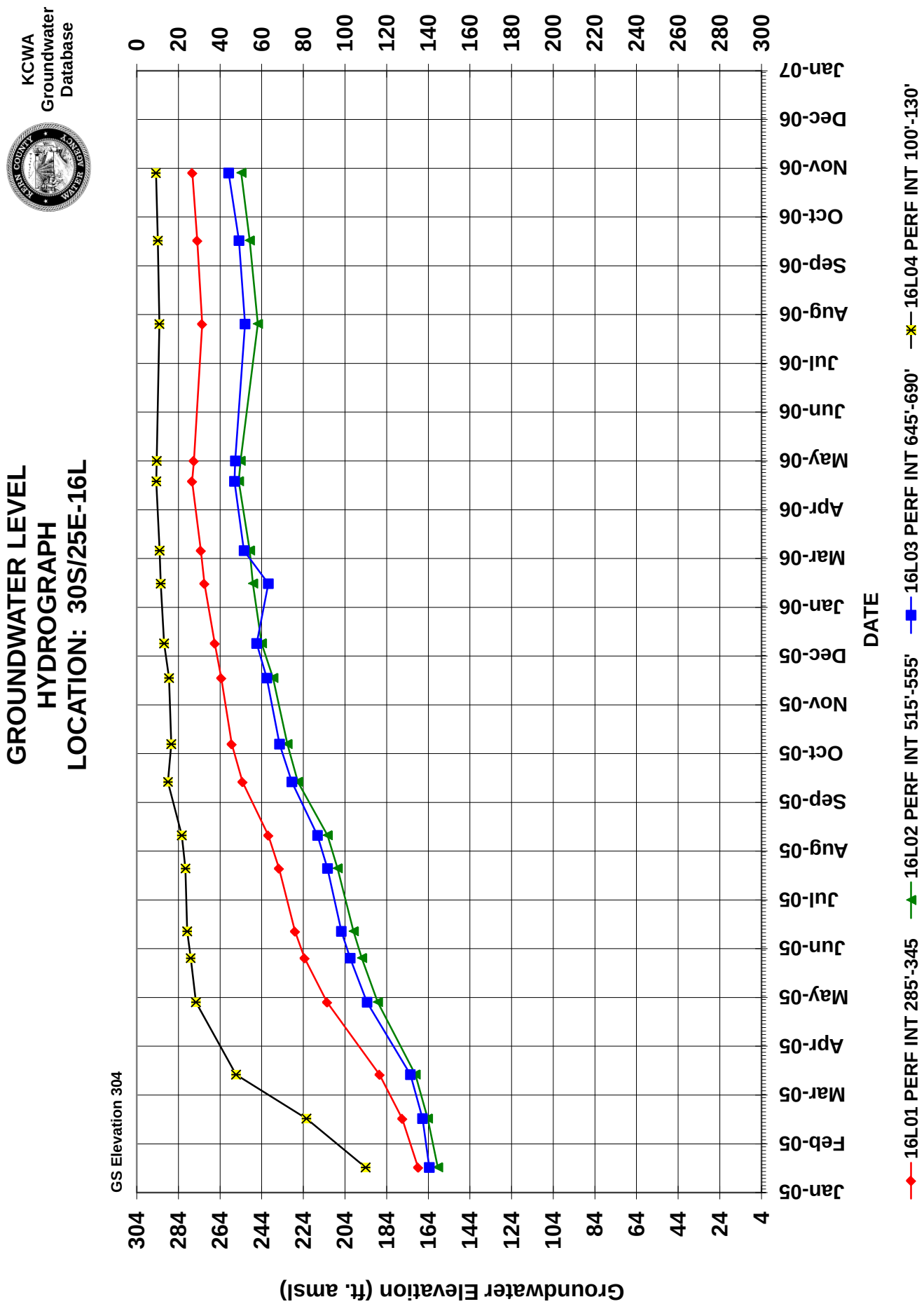
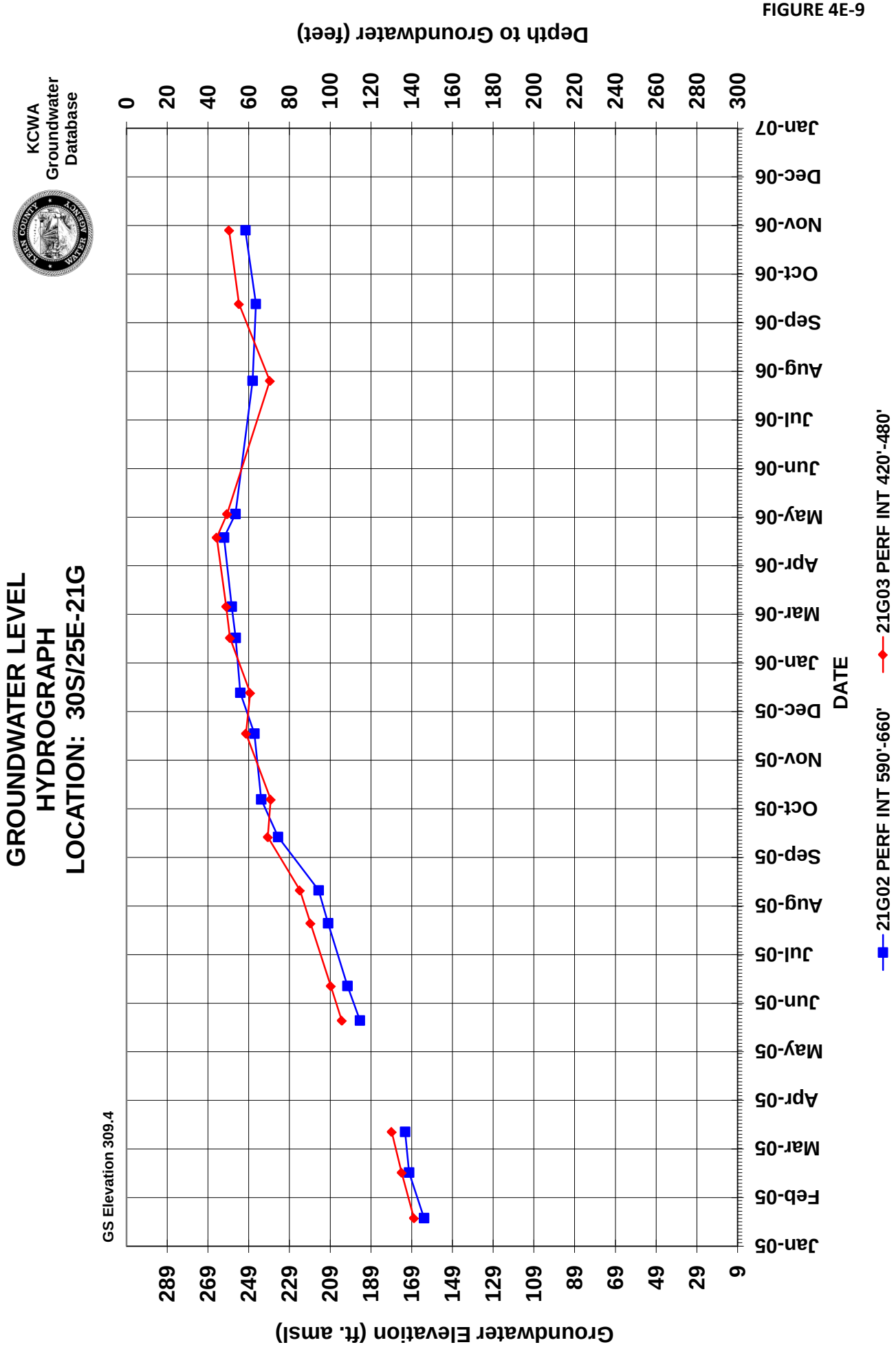


FIGURE 4E-5


GROUNDWATER LEVEL
HYDROGRAPH
LOCATION: 30S/25E-07A
KCWA
Groundwater
Database
GS Elevation 297.5
Groundwater Elevation (ft. amsl)
Depth to Groundwater (feet)
298
278
258
238
218
198
178
158
138
118
98
78
58
38
18
-3
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
Jan-05
Feb-05
Mar-05
Apr-05
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Dec-05
Jan-06
Mar-06
Apr-06
May-06
Jun-06
Jul-06
Aug-06
Sep-06
Oct-06
Nov-06
Dec-06
Jan-07
DATE
07A02 PERF INT 220'-290'
07A03 PERF INT 420'-470'
07A04 PERF INT 530'-620'
07A05 PERF INT 100'-120'


GROUNDWATER LEVEL
HYDROGRAPH
LOCATION: AG Well 30S/25E-14C02
KCWA
Groundwater
Database
GS Elevation 318
Depth to Groundwater (feet)
Groundwater Elevation (ft. amsl)
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
318
298
278
258
238
218
198
178
158
138
118
98
78
58
38
18
Jan-05
Feb-05
Mar-05
Apr-05
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Dec-05
Jan-06
Mar-06
Apr-06
May-06
Jun-06
Jul-06
Aug-06
Sep-06
Oct-06
Nov-06
Dec-06
Jan-07
DATE
PERF INTERVAL 240'


GROUNDWATER LEVEL
HYDROGRAPH
LOCATION: 30S/25E-16L
KCWA
Groundwater
Database
GS Elevation 304
Groundwater Elevation (ft. amsl)
Depth to Groundwater (feet)
304
284
264
244
224
204
184
164
144
124
104
84
64
44
24
4
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
Jan-05
Feb-05
Mar-05
Apr-05
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Dec-05
Jan-06
Mar-06
Apr-06
May-06
Jun-06
Jul-06
Aug-06
Sep-06
Oct-06
Nov-06
Dec-06
Jan-07
DATE
16L01 PERF INT 285'-345
16L02 PERF INT 515'-555'
16L03 PERF INT 645'-690'
16L04 PERF INT 100'-130'


GROUNDWATER LEVEL
HYDROGRAPH
LOCATION: 30S/25E-21G
KCWA
Groundwater
Database
GS Elevation 309.4
Groundwater Elevation (ft. amsl)
289
269
249
229
209
189
169
149
129
109
89
69
49
29
9
Depth to Groundwater (feet)
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
Jan-05
Feb-05
Mar-05
Apr-05
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Dec-05
Jan-06
Mar-06
Apr-06
May-06
Jun-06
Jul-06
Aug-06
Sep-06
Oct-06
Nov-06
Dec-06
Jan-07
DATE
21G02 PERF INT 590'-660'
21G03 PERF INT 420'-480'

GROUNDWATER LEVEL HYDROGRAPH
LOCATION: 30S/25E-21N02 WKWD 2-02

KCWA Groundwater Database

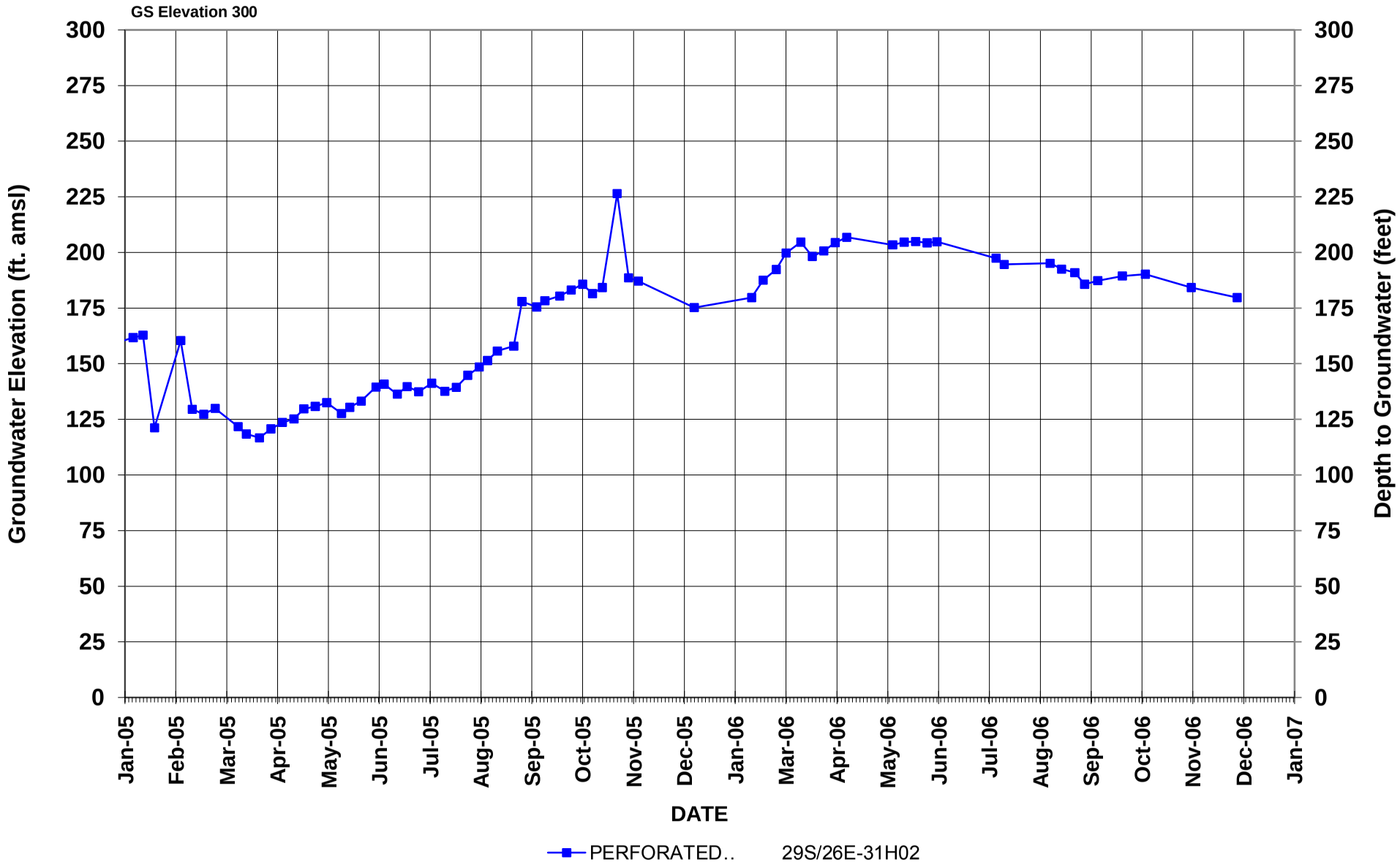


FIGURE 4E-10

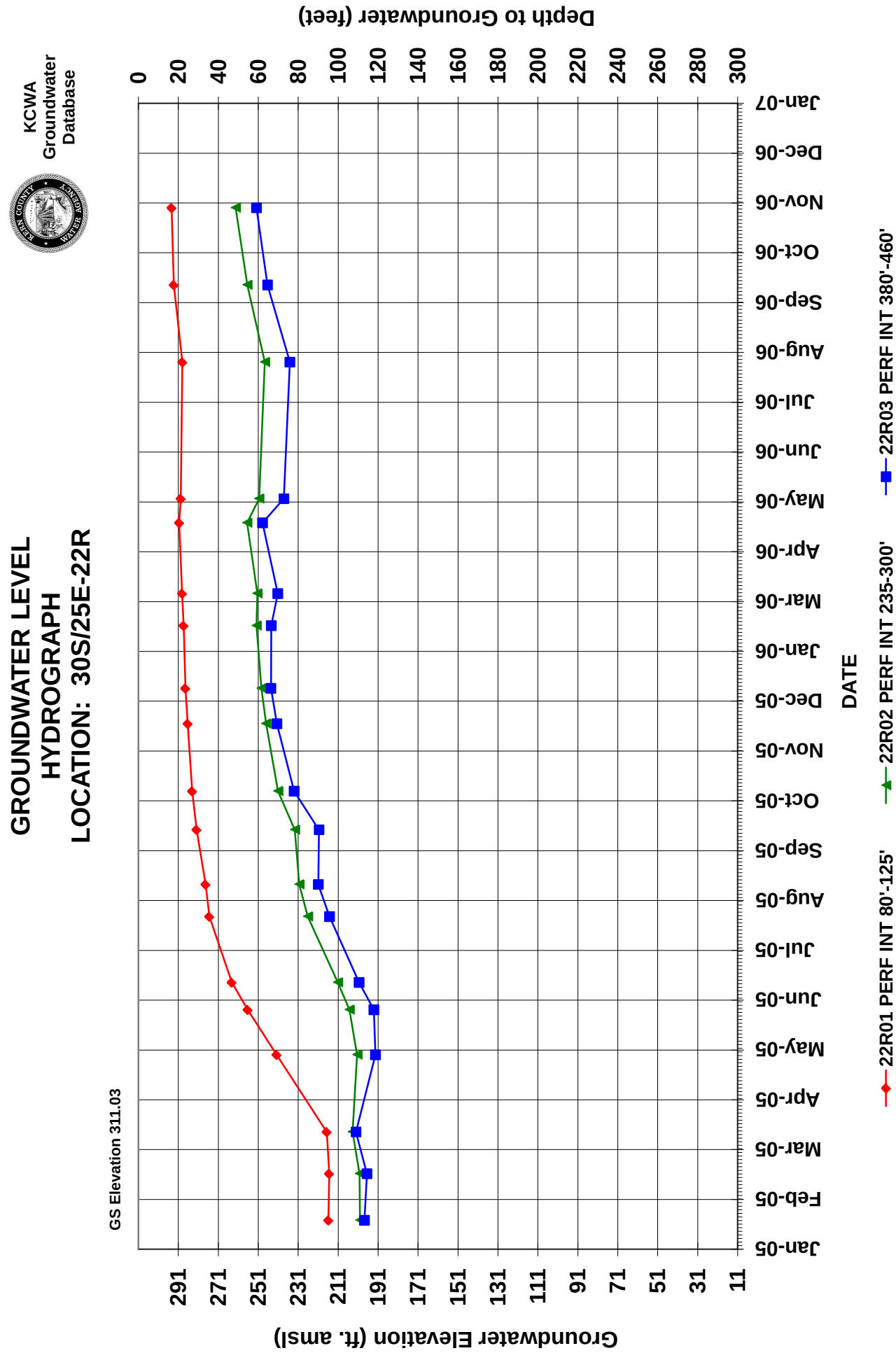
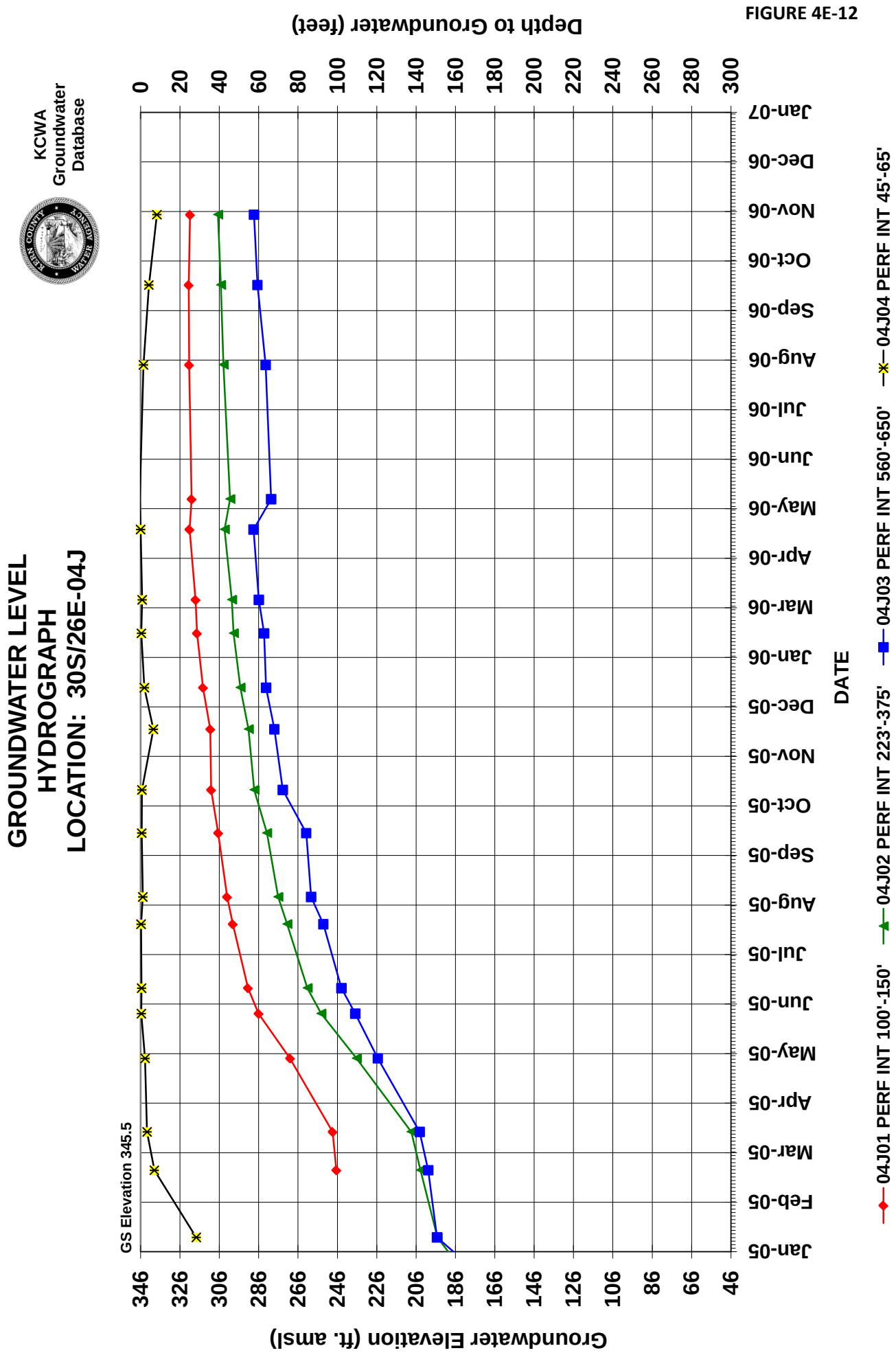
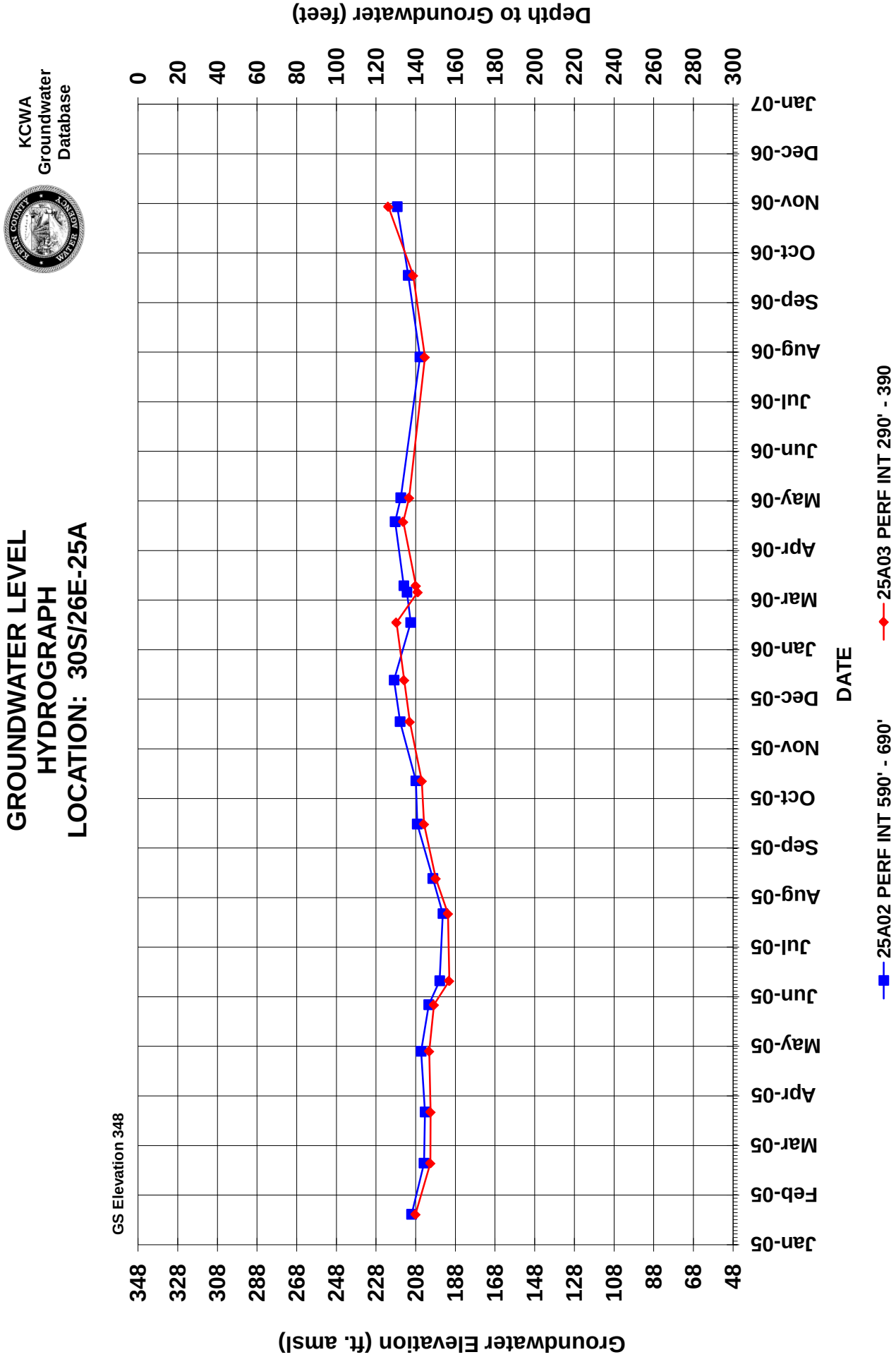
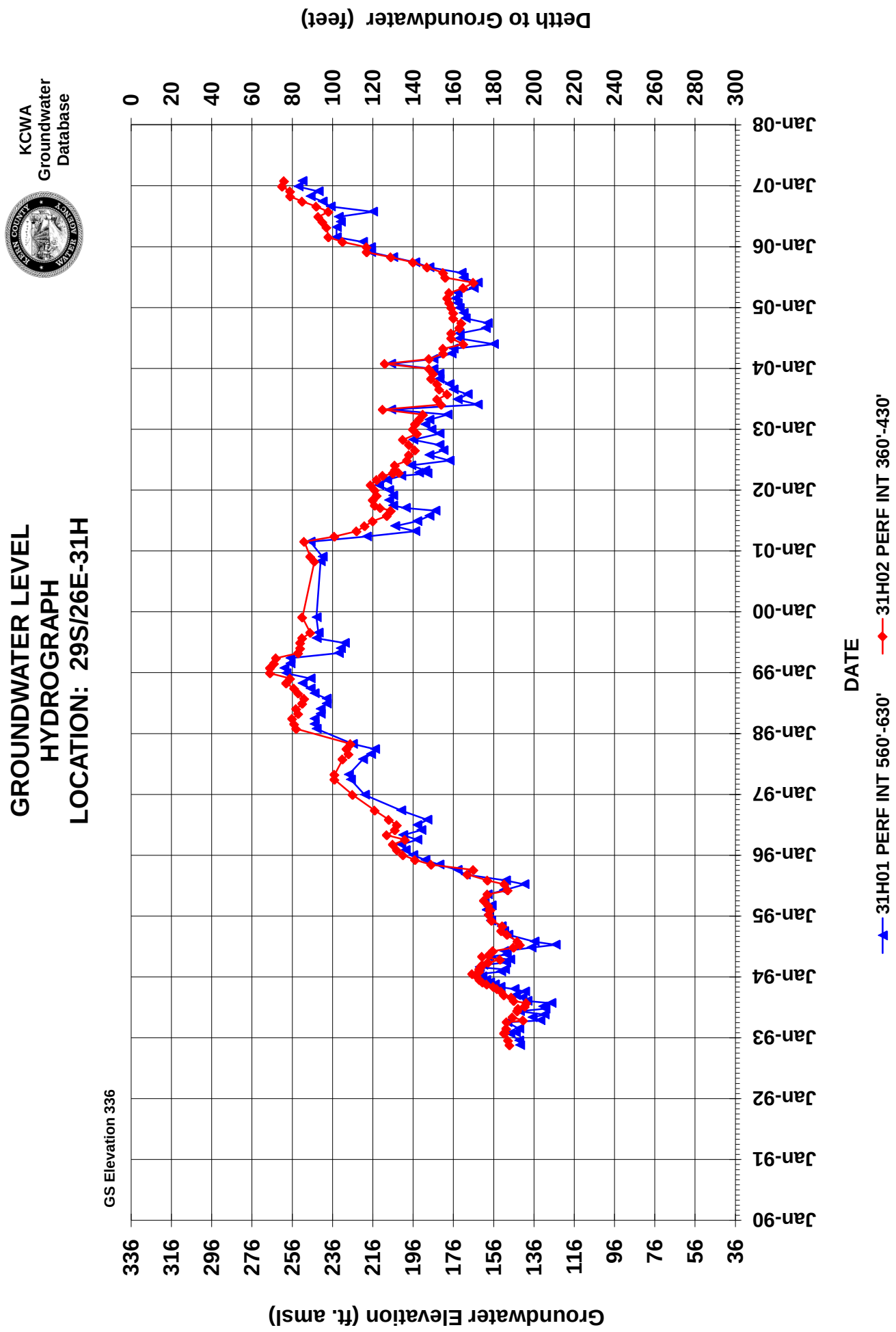

GROUNDWATER LEVEL
HYDROGRAPH
LOCATION: 30S/25E-22R
KCWA
Groundwater
Database
GS Elevation 311.03
Groundwater Elevation (ft. amsl)
291
271
251
231
211
191
171
151
131
111
91
71
51
31
11
Depth to Groundwater (feet)
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
Jan-05
Feb-05
Mar-05
Apr-05
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Dec-05
Jan-06
Mar-06
Apr-06
May-06
Jun-06
Jul-06
Aug-06
Sep-06
Oct-06
Nov-06
Dec-06
Jan-07
DATE
22R01 PERF INT 80'-125'
22R02 PERF INT 235-300'
22R03 PERF INT 380'-460'

FIGURE 4E-12


GROUNDWATER LEVEL
HYDROGRAPH
LOCATION: 30S/26E-04J
KCWA
Groundwater
Database
GS Elevation 345.5
Groundwater Elevation (ft. amsl)
Depth to Groundwater (feet)
346
326
306
286
266
246
226
206
186
166
146
126
106
86
66
46
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
Jan-05
Feb-05
Mar-05
Apr-05
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Dec-05
Jan-06
Mar-06
Apr-06
May-06
Jun-06
Jul-06
Aug-06
Sep-06
Oct-06
Nov-06
Dec-06
Jan-07
DATE
04J01 PERF INT 100'-150'
04J02 PERF INT 223'-375'
04J03 PERF INT 560'-650'
04J04 PERF INT 45'-65'


GROUNDWATER LEVEL
HYDROGRAPH
LOCATION: 30S/26E-25A
KCWA
Groundwater
Database
GS Elevation 348
Groundwater Elevation (ft. amsl)
Depth to Groundwater (feet)
348
328
308
288
268
248
228
208
188
168
148
128
108
88
68
48
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
Jan-05
Feb-05
Mar-05
Apr-05
May-05
Jun-05
Jul-05
Aug-05
Sep-05
Oct-05
Nov-05
Dec-05
Jan-06
Mar-06
Apr-06
May-06
Jun-06
Jul-06
Aug-06
Sep-06
Oct-06
Nov-06
Dec-06
Jan-07
DATE
25A02 PERF INT 590' - 690'
25A03 PERF INT 290' - 390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Database
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20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
336
316
296
276
256
236
216
196
176
156
136
116
96
76
56
36
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
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Jan-06
Jan-07
Jan-08
DATE
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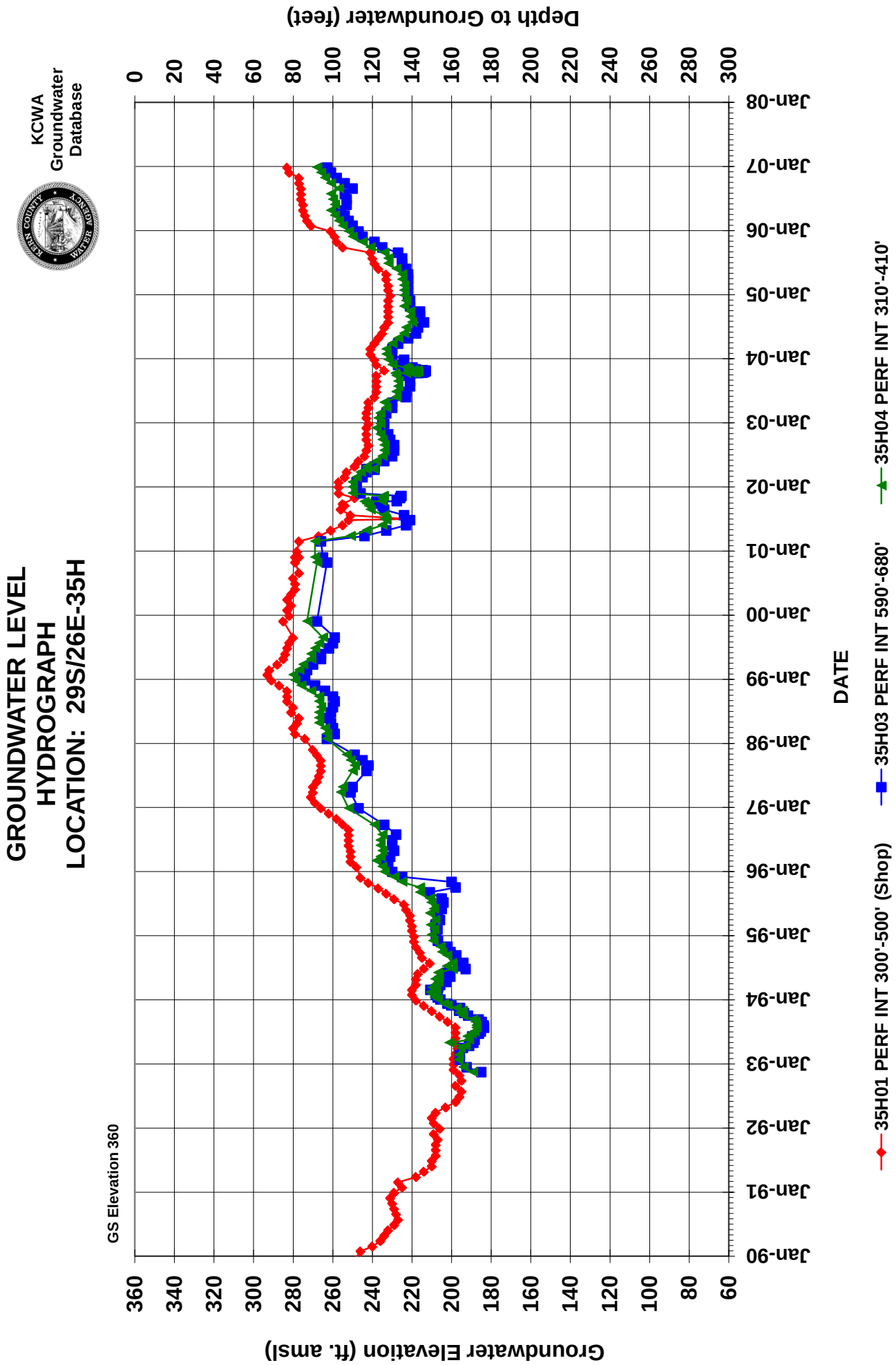
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Groundwater
Database
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Depth to Groundwater (feet)
Groundwater Elevation (ft. amsl)
DATE
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35H03 PERF INT 590'-680'
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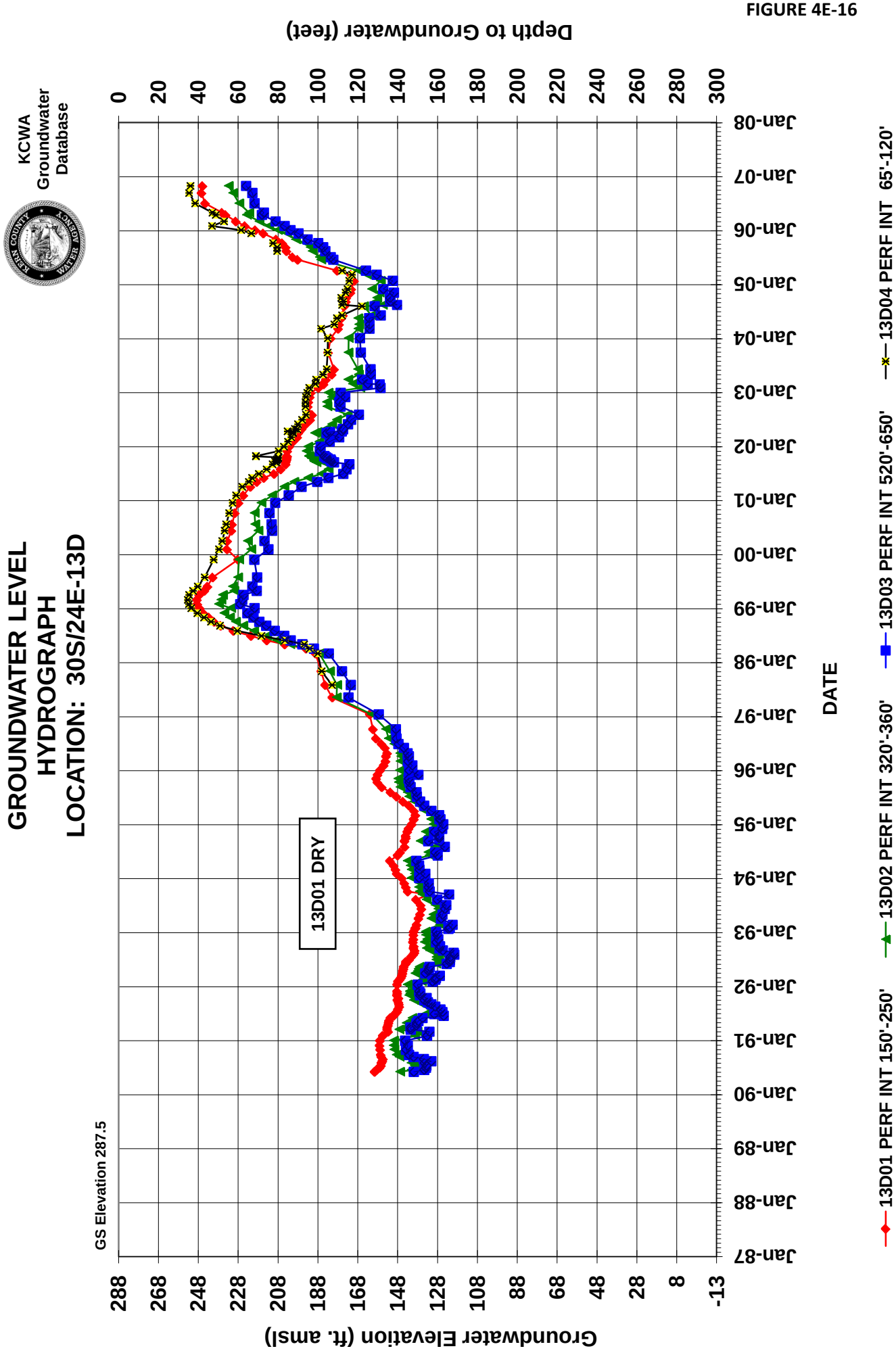
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Database
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13D01 DRY
Groundwater Elevation (ft. amsl)
Depth to Groundwater (feet)
288
268
248
228
208
188
168
148
128
108
88
68
48
28
8
-13
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
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Jan-08
DATE
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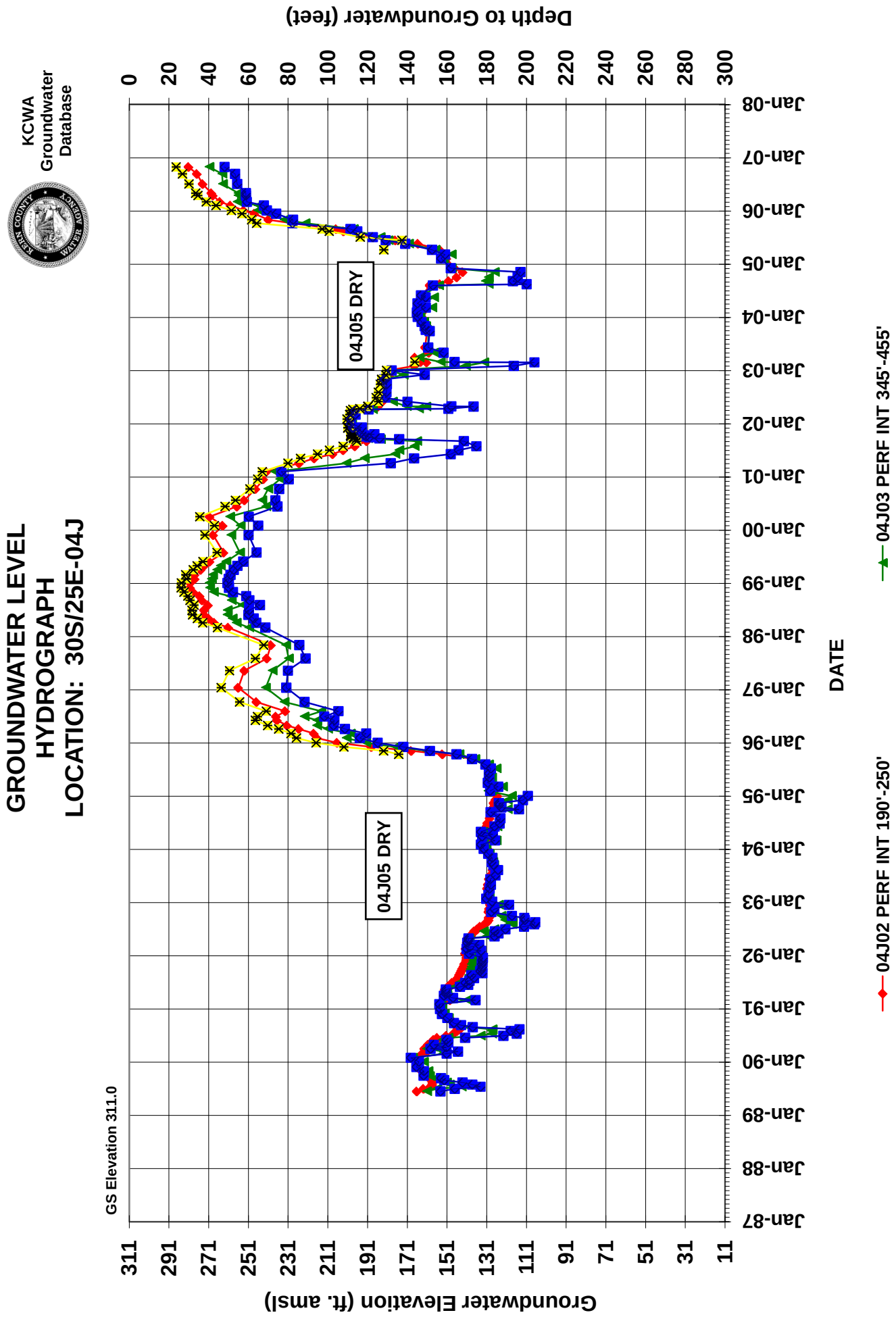
13D03 PERF INT 520'-650'
13D04 PERF INT 65'-120'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HYDROGRAPH
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KCWA
Groundwater
Database
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04J05 DRY
04J05 DRY
Groundwater Elevation (ft. amsl)
Depth to Groundwater (feet)
311
291
271
251
231
211
191
171
151
131
111
91
71
51
31
11
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
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Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
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DATE
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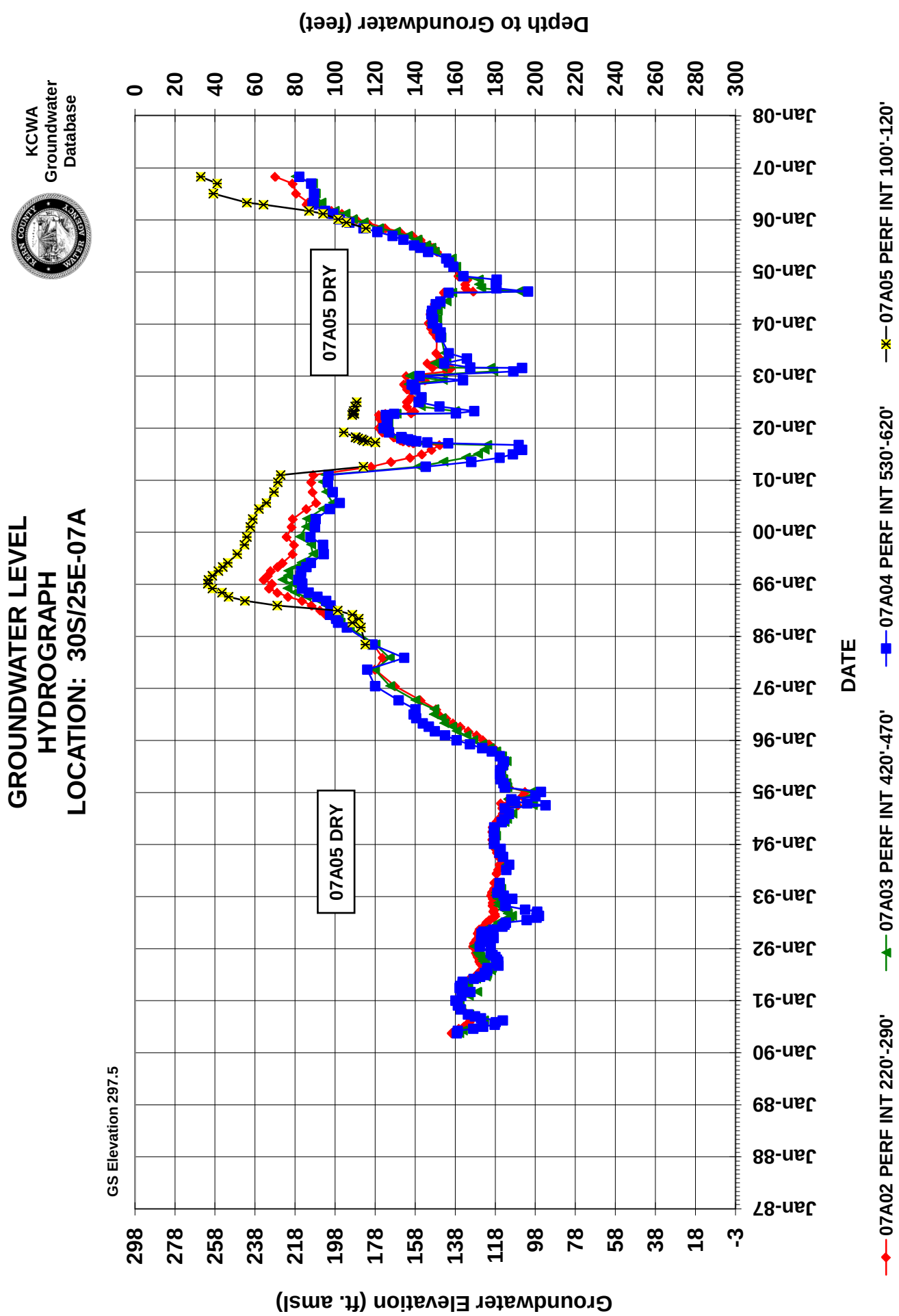
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KCWA
Groundwater
Database
GS Elevation 297.5
07A05 DRY
07A05 DRY
Depth to Groundwater (feet)
Groundwater Elevation (ft. amsl)
DATE
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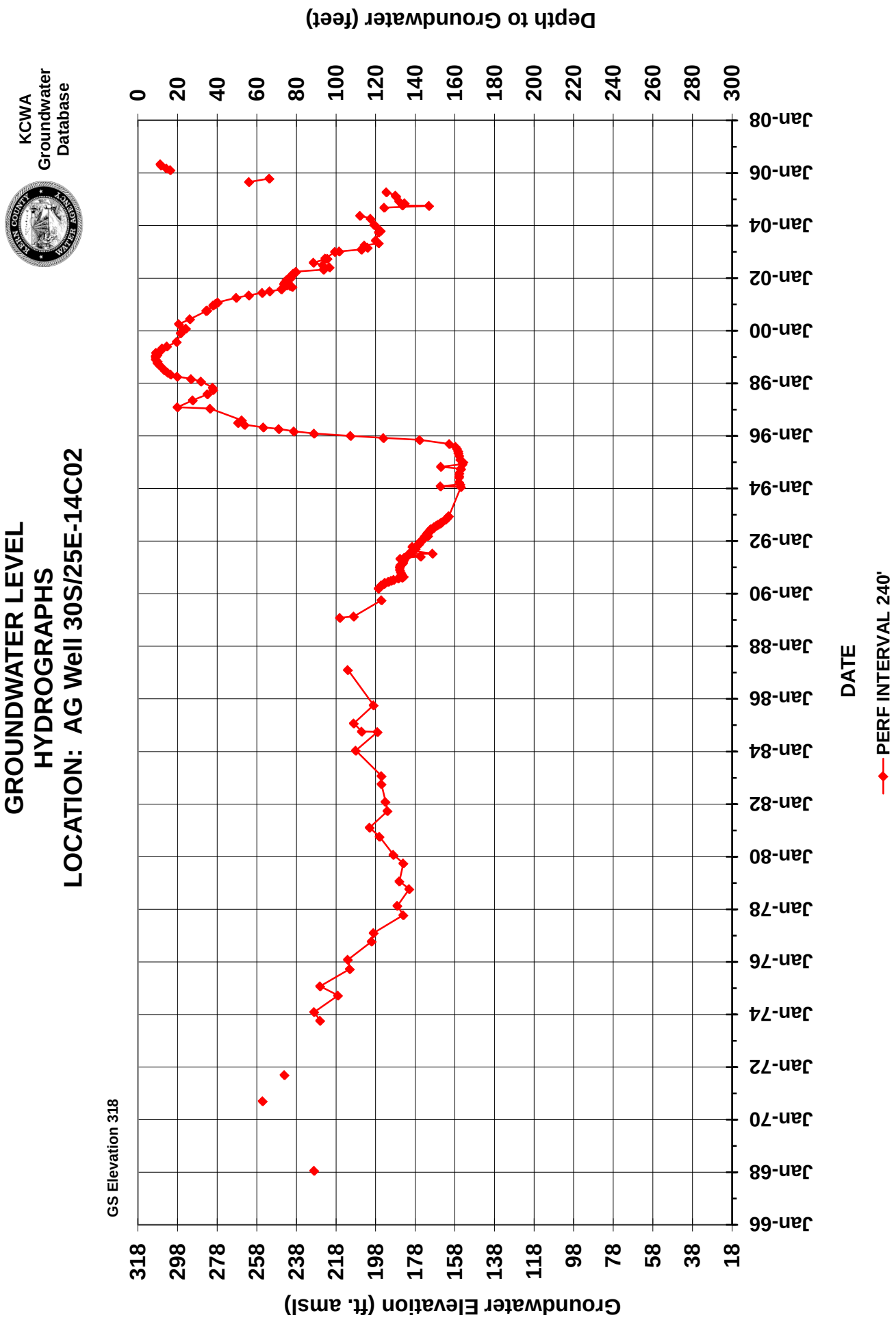
07A05 PERF INT 100'-120'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HYDROGRAPHS
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Depth to Groundwater (feet)
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40
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100
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140
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180
200
220
240
260
280
300
Groundwater Elevation (ft. amsl)
318
298
278
258
238
218
198
178
158
138
118
98
78
58
38
18
Jan-66
Jan-68
Jan-70
Jan-72
Jan-74
Jan-76
Jan-78
Jan-80
Jan-82
Jan-84
Jan-86
Jan-88
Jan-90
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Jan-02
Jan-04
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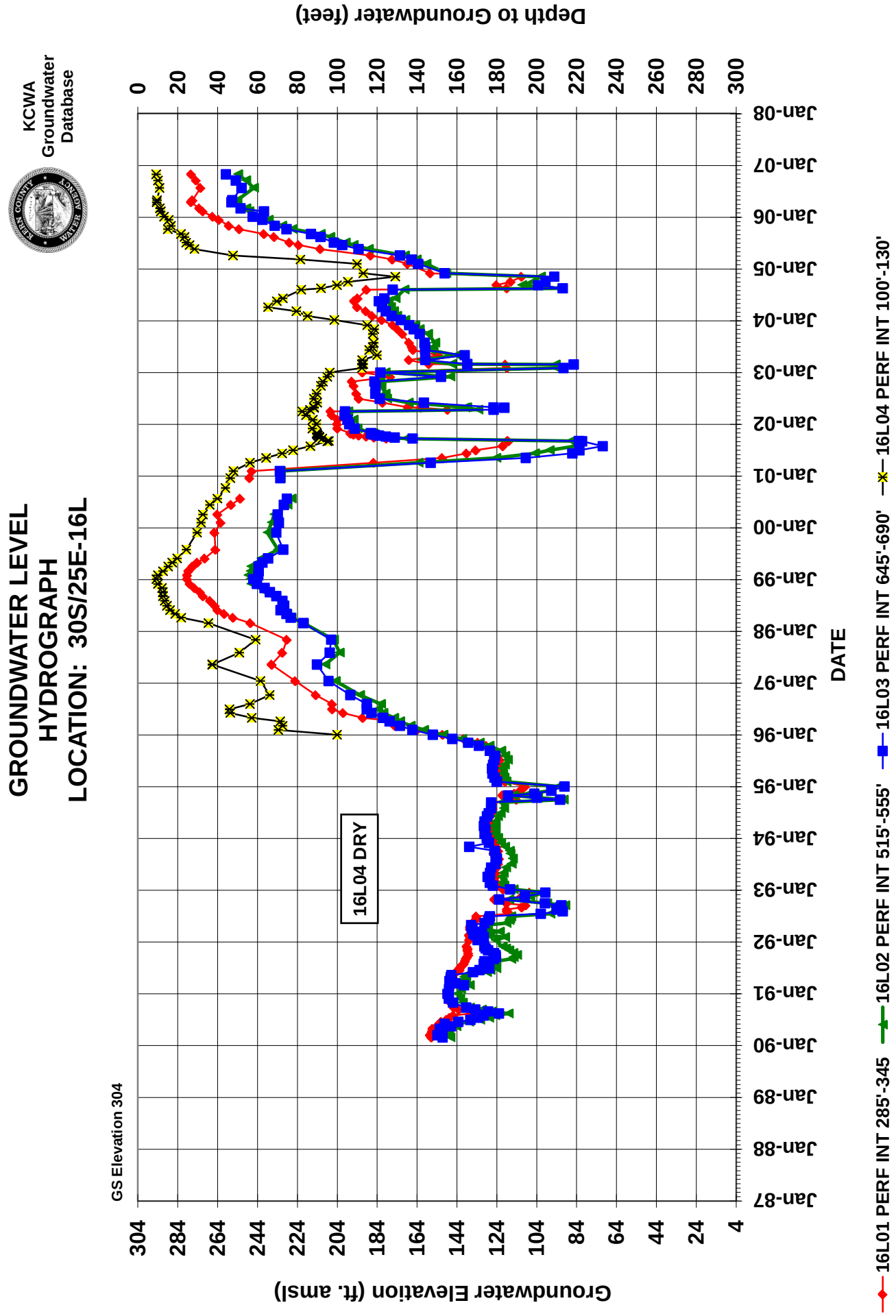
Jan-08
DATE
PERF INTERVAL 240'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HYDROGRAPH
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KCWA
Groundwater
Database
GS Elevation 304
16L04 DRY
Groundwater Elevation (ft. amsl)
Depth to Groundwater (feet)
DATE
304
284
264
244
224
204
184
164
144
124
104
84
64
44
24
4
0
20
40
60
80
100
120
140
160
180
200
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240
260
280
300
Jan-87
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Jan-04
Jan-05
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16L01 PERF INT 285'-345
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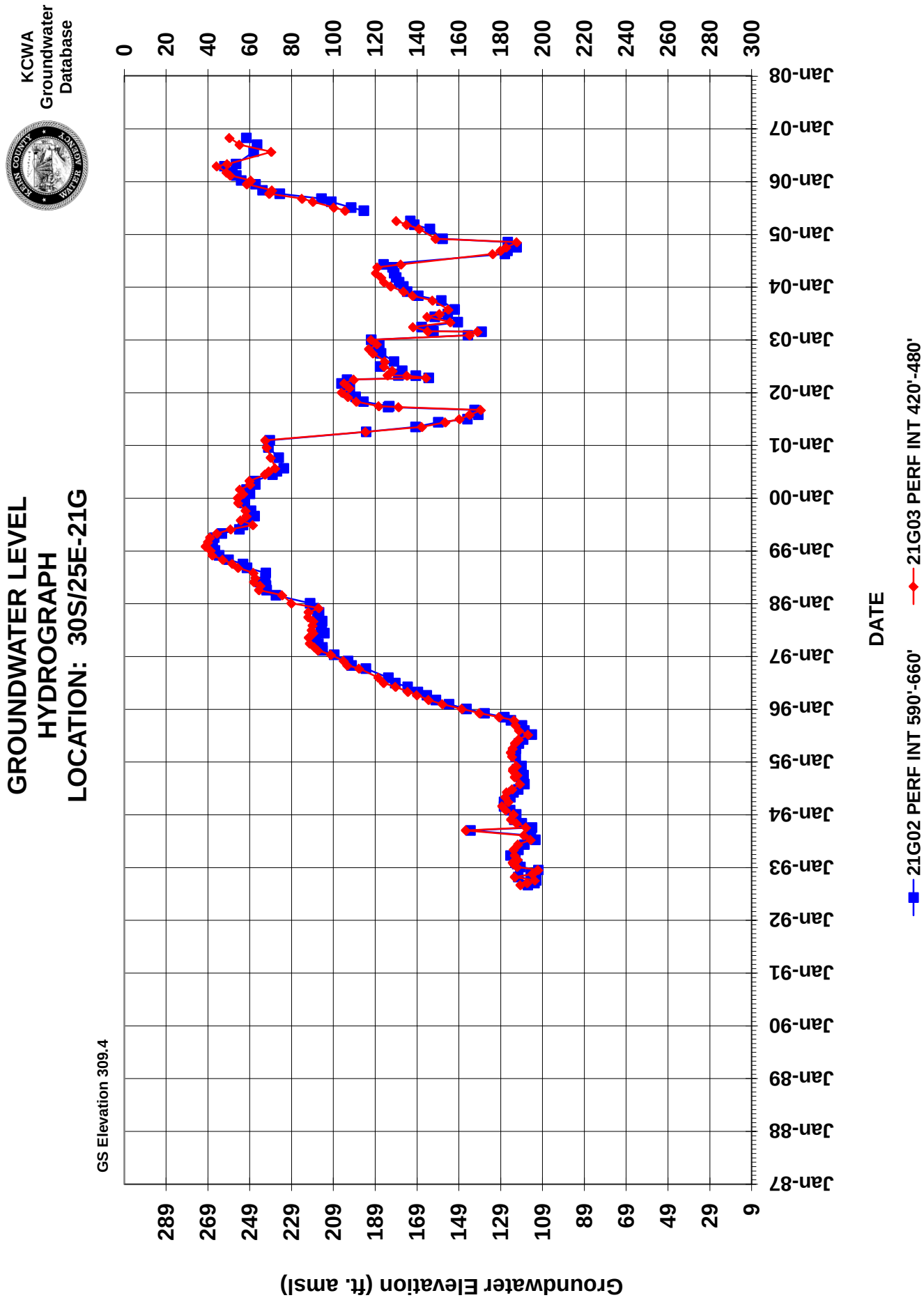
16L03 PERF INT 645'-690'
16L04 PERF INT 100'-130'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HYDROGRAPH
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KCWA
Groundwater
Database
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Depth to Groundwater (feet)
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60
80
100
120
140
160
180
200
220
240
260
280
300
Groundwater Elevation (ft. amsl)
289
269
249
229
209
189
169
149
129
109
89
69
49
29
9
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
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Jan-08
DATE
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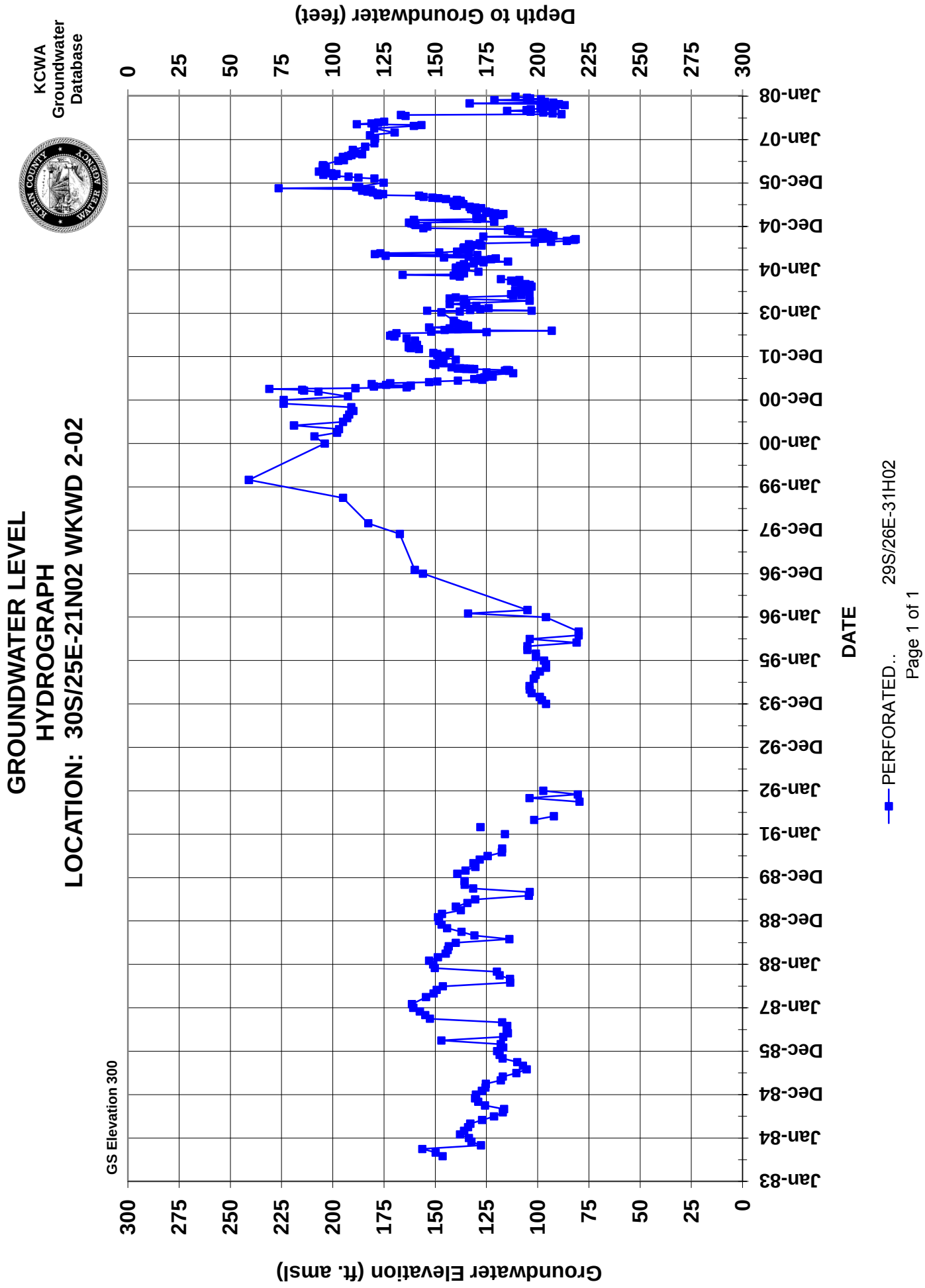
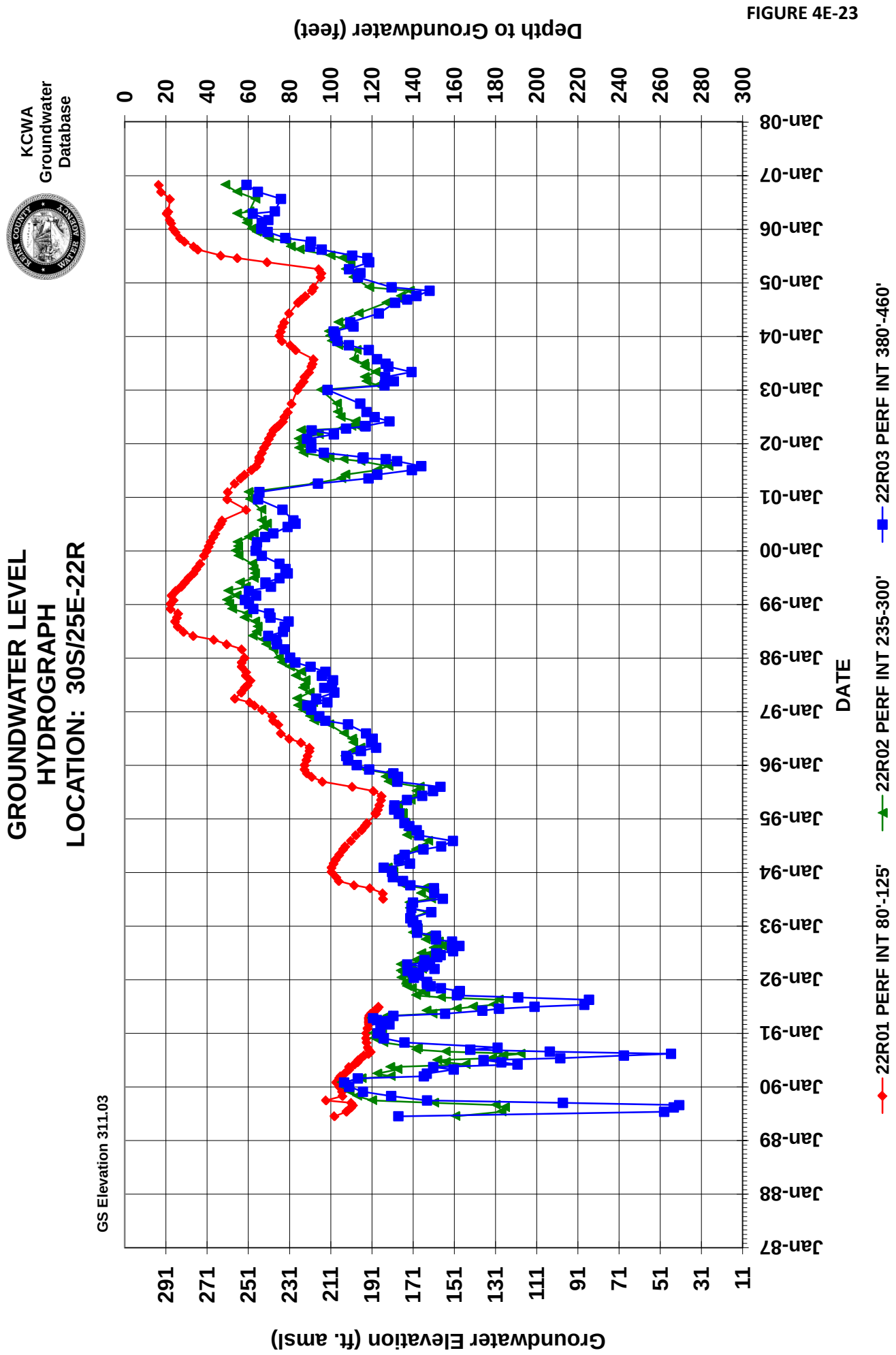

GROUNDWATER LEVEL
HYDROGRAPH
LOCATION: 30S/25E-21N02 WKWD 2-02
KCWA
Groundwater
Database
GS Elevation 300
Depth to Groundwater (feet)
Groundwater Elevation (ft. amsl)
DATE
PERFORATED..
29S/26E-31H02
Page 1 of 1


GROUNDWATER LEVEL
HYDROGRAPH
LOCATION: 30S/25E-22R
KCWA
Groundwater
Database
GS Elevation 311.03
Depth to Groundwater (feet)
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40
60
80
100
120
140
160
180
200
220
240
260
280
300
Groundwater Elevation (ft. amsl)
291
271
251
231
211
191
171
151
131
111
91
71
51
31
11
Jan-87
Jan-88
Jan-89
Jan-90
Jan-91
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Jan-99
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Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
DATE
22R01 PERF INT 80'-125'
22R02 PERF INT 235-300'
22R03 PERF INT 380'-460'

GROUNDWATER LEVEL HYDROGRAPH
LOCATION: 30S/26E-04J

KCWA Groundwater Database

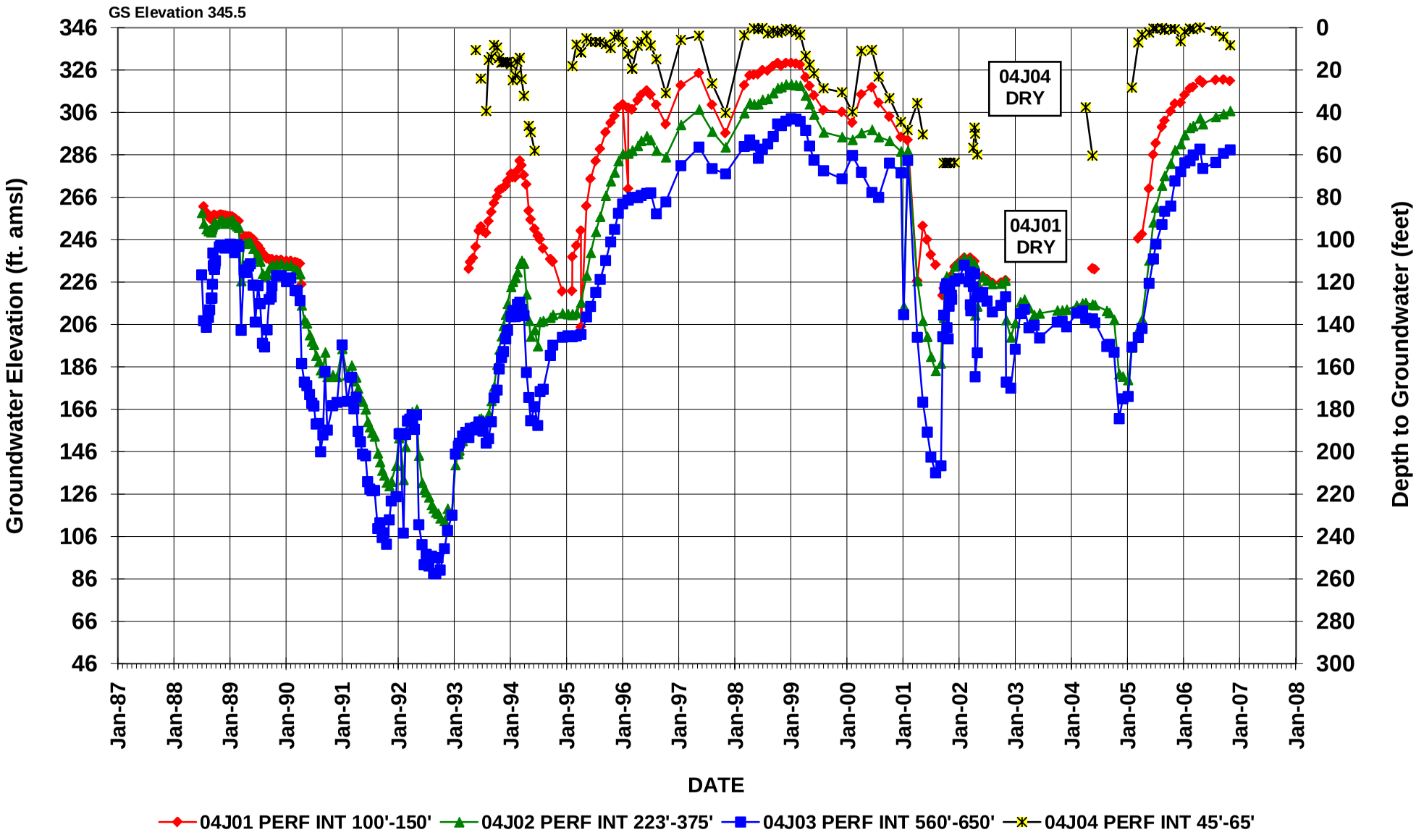
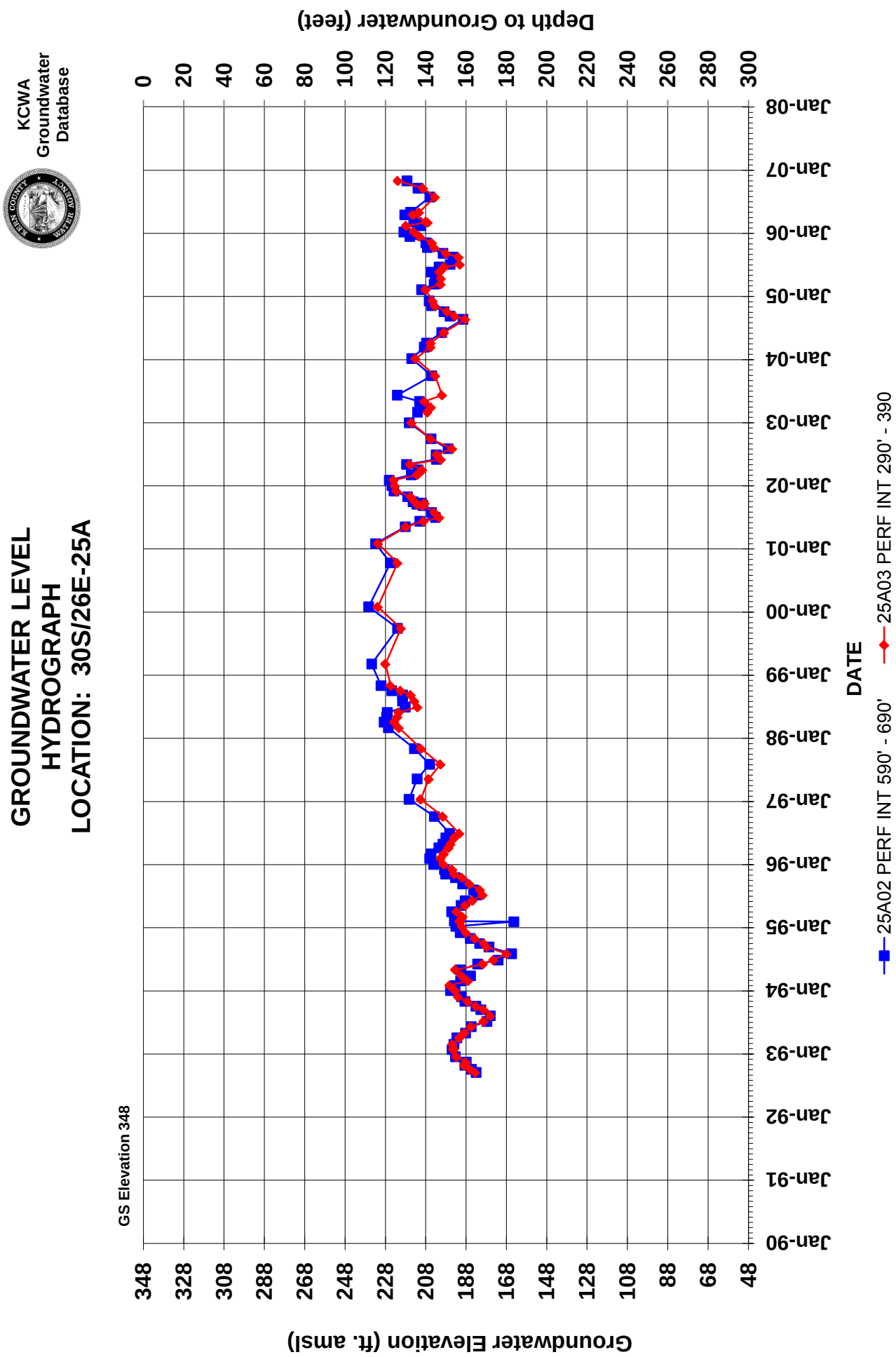


FIGURE 4E-24


GROUNDWATER LEVEL
HYDROGRAPH
LOCATION: 30S/26E-25A
KCWA
Groundwater
Database
GS Elevation 348
Depth to Groundwater (feet)
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20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
Groundwater Elevation (ft. amsl)
348
328
308
288
268
248
228
208
188
168
148
128
108
88
68
48
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
Jan-07
Jan-08
DATE
25A02 PERF INT 590' - 690'
25A03 PERF INT 290' - 390

Chapter 5
WATER QUALITY

Water quality was determined for monitoring wells, recovery wells, and canals prior to 2006 and during banking operations in 2006. This data is evaluated and summarized with maps and graphs. In addition, a comparison of the concentrations of total dissolved solids (TDS) in the recharge water and the recovered water is provided.

A. Sampling Programs

Groundwater Quality Monitoring Program – The semi-annual Groundwater Quality Monitoring Program was completed by Fall 2006. Approximately 80 monitoring wells were sampled using the Kern Water Bank purge pump unit. Prior to sampling of each well, three-to-five casing volumes were pumped and frequent measurements were obtained for electrical conductivity, pH, and temperature. The water quality samples are taken when these parameters stabilize. Concentrations of various constituents were determined, including gross alpha activity, uranium activity, dibromochloropropane (DBCP), ethylene dibromide (EDB), nitrate, and irrigation suitability analyses. The results from the water quality sampling were used to generate water quality graphs for some of the wells.

Statistical analyses that have been performed on monitoring well water quality data are included in this chapter. These analyses are not limited to 2005-2006 but include data up to June 2009. The statistical analyses that were determined to most adequately demonstrate whether any statistical trends were evident were the Mann-Kendall test and the Sens Slope analysis. The Mann-Kendall test determines if a trend exists in a time-ordered data set. It is a non parametric procedure which is useful because missing values are allowed and the data need not conform to a particular distribution (Gilbert, 1987, p 208). In addition, this test is not sensitive to outliers because only the relative magnitudes, rather than the absolute measurements, are considered. If it is determined that a trend exists, Sen's Slope Estimator can be used to estimate the magnitude of that trend. Because the approach is again nonparametric, it is not sensitive to outliers or gross data errors (Gilbert, 1987, p 218). Figure 5B-5 shows the summary of these two analyses on the monitoring wells. The boxes that are grayed out do not have enough data points to adequately perform the analysis and the boxes with an asterisk have no statistical trend. The Mann-Kendall box tells if there is an upward or downward trend. If a trend is present, the Sens Slope box displays the median Q value, also referred to as Sen's Estimator of Slope. Overall, only 4 wells had confirmed trends out of the 50 wells that had enough data for TDS. Likewise 5 of the 66 wells with adequate data for nitrate analysis showed a confirmed trend. 3 out of 46 wells with adequate data for arsenic showed a trend and 3 out of 32 wells with adequate data for alpha activity showed a trend.

Recovery Well Sampling – 2005-2006 was largely dominated by recharge activities on the fan with recovery occurring only in January 2005 on the Pioneer Property.

B . Data Evaluation

Groundwater Quality Areas of Concern (AOC) Map - Plate 5A-1 shows a map identifying Areas of Concern (AOCs), which has not been modified from the last operations report. An AOC represents an area where the concentration of a particular constituent approaches or exceeds a Maximum Contaminant Level (MCL). This map summarizes historical concentrations of selected constituents in water from shallow and deep monitoring wells and water bank project recovery wells. There are two areas of relatively high TDS concentrations, compared to the recommended secondary MCL of 500 mg/l. The largest was beneath the west edge of the study area near Elk Hills. TDS concentrations generally

exceeded 700 mg/l in shallow groundwater in this area. For deep wells, TDS concentrations in this area exceeded about 500 mg/l. Much higher TDS concentrations are indicated to be present beneath part of the Elk Hills. High sulfate concentrations are also generally present in this high TDS area, and the source of these constituents was likely the presence of sulfate minerals, such as gypsum in the Coast Range deposits. Sulfate concentrations are higher in the deeper groundwater in this area and exceed 200 mg/l, compared to the recommended MCL of 250 mg/l. Marine deposits to the west contribute both to TDS and sulfate to the groundwater. High sulfate minerals are also present in the Coast Range deposits. In addition, past disposal of oil field brines in part of the Elk Hills Oil Field west of the California Aqueduct (Aqueduct) has contributed TDS, chloride, and other constituents to groundwater in this area. TDS concentrations have exceeded 3,000 mg/l in shallow groundwater near a former brine pond. A second area of relatively high TDS was in a localized area near the tank farm in the KWB recharge area east of Enos Lane, about two miles south of Stockdale Highway. TDS concentrations exceeding 3,300 mg/l have been found in water from a shallow monitoring well in this localized area. TDS concentrations in water from two recovery wells in the tank farm vicinity that tap groundwater from both shallow and deep strata are about 500 mg/l and are elevated compared to other more distant wells in the area.

The arsenic AOC was mapped using the former MCL of 50 ug/L. Arsenic concentrations exceeding 10 µg/L (the current MCL) are present in both shallow and deep groundwater in the deep groundwater northwest of the identified area. A smaller area of high arsenic concentrations is present in groundwater near Elk Hills, generally in the area where relatively high TDS groundwater is present.

Available data for uranium indicate that it is present at higher uranium activities in the shallow groundwater and is usually present at low concentrations in the deep groundwater. At least two areas of widespread high uranium activities have been determined. One is north of Tupman and the other is primarily south of Taft Highway, between Highways 99 and I-5.

The boundaries of the AOC areas for DBCP and nitrate have not been revised for many years due to lack of private well sampling data in the area north of the water banking project recharge sites along the Kern River. Nitrate concentrations in groundwater from most of the water banking project recovery wells are less than 25 mg/l, well below the MCL of 45 mg/l.

The fluoride AOC is south of Taft Highway and west of Gosford Road. Much of this area is in the western part of the Kern Delta Water District. Fluoride concentrations exceeding 1.4 mg/l appear to be associated with fine-grained deposits associated with the old lake beds. Fluoride concentrations in water from most of the water banking project recovery wells are well below 1.4 mg/l.

Water Quality Graphs – Monitoring results for numerous cluster monitoring wells are used in this evaluation for several reasons. First, substantial sampling results are available for some of these wells prior to 1995 (California Department of Water Resources). Second, more frequent water quality analyses are available for these monitoring wells than for the individual recovery wells. Lastly, the monitoring wells tap groundwater in discrete depth intervals in the aquifer system.

Water quality graphs were prepared for several constituents of concern, including TDS, alpha activity, nitrate, and arsenic. Time trends in constituent concentrations were evaluated particularly in terms of influences of recharge and recovery operations for the Kern Fan water banking projects. Nitrate, TDS, and uranium concentrations are generally higher in the shallow groundwater. Arsenic concentrations, in contrast, are generally higher in the deep groundwater.

Total Dissolved Solids - Figure 5B-1 shows TDS trends in a number of shallow monitoring wells. TDS concentrations increased in 2005 - 2006 for well T30S/R24E-13D01 (13D01). Well 13D01 is near the west edge of the KWB recharge area. Records indicate that the far West Ponds were used for recharge in 2005 and 2006. The recharge in the Kern Water Bank for 2005 was 387,557 acre-feet, while 283,233

acre-feet were recharged in 2006. No recovery occurred concurrently. TDS concentrations in Well 13D01 increased more than 300 mg/l during 2005-2006. For the other wells, TDS concentrations were relatively stable during 2005-2006.

Nitrate - Figure 5B-2 shows time trends for nitrate concentrations for shallow monitoring wells. Nitrate concentrations in water from Well T30S/R25E-4J02 decreased from about 45 mg/l to 35 mg/l during 1993-95 to about 12 mg/l in 1999. Since 1999, nitrate concentrations in water from this well have fluctuated and been relatively stable. Nitrate concentrations in water from Well T30S/R25E-16L01 were less than the 2 mg/l during 1991-94 and increased to about 20 mg/l by 1999. Following 1999, nitrate concentrations in water from this well have generally decreased. Nitrate concentrations trends for T30S/R24E-13D01 decreased through about 1998 and then increased. In the area north of well 4J02, high nitrate concentrations were indicated to be present in shallow groundwater by the results of the West Bakersfield toxics study. The nitrate concentrations in water from T30S/R26E-16B01 increased during recovery pumping in 1993, from about 5 mg/l to 15 mg/l, then decreased after recovery pumping stopped to the previous range of concentrations. As of 2006, all of the monitoring wells in this graph had nitrate concentrations values ranging from about 5 mg/l to 30 mg/l, below the MCL of 45 mg/l.

Arsenic - Figure 5B-3 shows trends in arsenic concentrations in water from selected deep monitoring wells. Previous studies have indicated that for groundwater deeper than about 700 ft in most of the Kern Fan area, arsenic concentrations have been greater. Arsenic concentrations in water from Well T30S/R26E-06L03 were very low prior to 1993. Arsenic concentrations in water from this well increased to over 80 µg/L by 1994. After this peak, arsenic concentrations dropped to less than 20µg/L through 2002. There was a second peak arsenic concentration of 60 µg/L in 2003, thereafter arsenic concentrations dropped. There were notable decreases in arsenic concentrations in water from Wells T30S/R25E-04J04 and T30S/R25E-16L03 after 1994 and through 2003. Overall, arsenic concentrations in water from Well 04J04 remained relatively constant, whereas the arsenic concentration in Well 16L03 spiked in early 2004 at approximately 50 µg/L. Arsenic concentrations in water from Well T30S/R26E-32N03 rose after 1995 to about 140 to 165 ug/L thereafter. Arsenic concentrations in water from Well T30S/R25E-22R03 increased since 1998 from approximately 17 µg/l to over 120 µg/L by 2005. Arsenic concentrations in water from 30S/25E-12B04 were relatively constant after 1998 with values below 40 µg/L. Arsenic concentration in water from 30S/24E-13D03 remained stable with values well below 10 µg/L. Arsenic concentrations in water from 30S/26E-28J03 have usually been 60 µg/L. Overall, arsenic concentrations were relatively stable or increased in water from most deep monitoring wells.

Alpha Activity - Figure 5B-4 shows trends in alpha activity for three monitoring wells. Alpha activity is an indicator of uranium activity in the groundwater of the Kern Fan area. Well T30S/R24E-13D01 is located in an area where the shallow groundwater has alpha activity exceeding the MCL of 15 pCi/L. Alpha activities in water from this well was relatively constant through 2001. After 2001, the alpha activities in this well have generally increased. The lower occurred during the winter and the highs in the summer. The lowest value was in 1999, and the highest value was in 2005. Alpha activities in water from T30S/R26E-32N01 have been relatively stable and well below the MCL. Such activity is considered typical of much of the Kern Fan area, where uranium activities are low. Alpha activities in water from T30S/R26E-28J01 were generally below the MCL prior to 2000 but increased significantly after 1999 to about 55 pCi/l or near the average value for water from Well T30S/R24E-13D1. By 2003, alpha activities in water from Well 28J01 had decreased to below the MCL.

C. Pump-In Operations Blending Calculations

The Kern Water Bank Authority developed a "Pump-In Blending Calculations" model to estimate theoretical concentrations of certain constituents in the Aqueduct during recovery from the Kern Fan area (Table 5C-1, Figures 5C-1 to 5C-4) which the Kern County Water Agency maintains. No model update was performed during 2005-2006 as only 1,476 AF of recovery occurred. The table and figures provided are historical, from 2003, and are intended as a placeholder for future reports.

D. Total Dissolved Solids (Salts) Ratio

The procedure used by the Kern Fan Monitoring Committee for evaluation of TDS imported into the basin is as follows. Gross quantities of water delivered for recharge from the State Water Project (SWP), Friant Kern Canal (FK), and the Kern River (KR) were tabulated on a monthly basis for each of the following projects – Berrenda Mesa Project, City of Bakersfield 2800 Acres, KWB, and the Pioneer Property. Buena Vista, Rosedale-Rio Bravo, and Kern Delta projects were not included in the analysis. Overall monthly recharge quantities were compiled from Kern County Water Agency (KCWA) records.

The TDS in mg/L for SWP was assumed to be as set forth in Table 32 at the Check 29 location of the California Aqueduct of the State Water Project Operations Data published monthly by the State of California. The TDS for FK water was taken from two different sources. Prior to 1998, the TDS for FK was calculated to be an average of 43 mg/l based on 10 samples collected by KCWA between November 1994 and February 2002 (samples ranged from 19 mg/l to 112 mg/l). TDS values for FK from after 1998 was quarterly TDS data available in the "Friant Kern Canal Total Dissolved Solids: Data Tables" published through the Bureau of Reclamation, Mid-Pacific Region, Environmental Monitoring Branch. TDS values for the KR were available in the "Henry C. Garnett Water Purification Plant Monthly General Mineral, Physical and Inorganic Report" prepared by KCWA laboratory staff. Occasionally, monthly data for the KR is not available; in those cases, the annual average value for the KR as reported in the "Henry C. Garnett Water Purification Plant Annual Source Water Quality Laboratory Report" was utilized.

Total dissolved solids is calculated on a monthly basis (from mg/l to tons/acre-foot) and summed on an annual basis for each water source and project. The equation is:

Solids/Salts Load (Tons) =

$$\frac{\text{Gross Recharge(Acre-feet) X 43560 (ft}^3\text{/acre-foot) X 7.48 (gallons/ft}^3\text{) X 8.3451 (pounds/gallon) X TDS (mg/l)}}{\text{2000 (pounds/ton) X 1,000,000 (mg/l)}}$$

Solids in tons is added for all of the projects and divided by the total recharge to provide tons/acre-foot.

Total Dissolved Solids concentration (Tons/Acre-foot) = $\frac{\text{Solids/Salts Load (Tons)}}{\text{Volume(Recharge/Recovery in Acre-feet)}}$

One of the mandates of the KWB MOU is that "each project within the Kern Fan Area should be operated with the objective that the average concentration of total dissolved solids in the recovered water will exceed the average concentration of TDS in the recharged water." The TDS in "all-project" recharge water for 1995-2006 was 0.20 tons/acre-foot (Figure 5D-1). The TDS in the cumulative "all-project" recovered water was 0.31 tons/acre-foot. Figure 5D-2 is a new addition to this report and looks at the three different sources of recharge water and the recovered water. Additionally this displays the volumes of recharge versus recovery for 1995-2006. High recharge periods include 1995-1999 and 2005-2006. Recovery dominated the 2001-2004. The years with higher recharge volumes tend to correlate to lower TDS ratios and vice versa (Table 5D-1). This trend should keep the overall solids importation relatively stable although there may be more variability on an annual basis. Additionally Figure 5D-3 shows cumulative recharge and recovery by source water type. During recharge the Kern Fan projects tend to have higher volumes of Kern River water for recharge which tends to keep TDS values low.

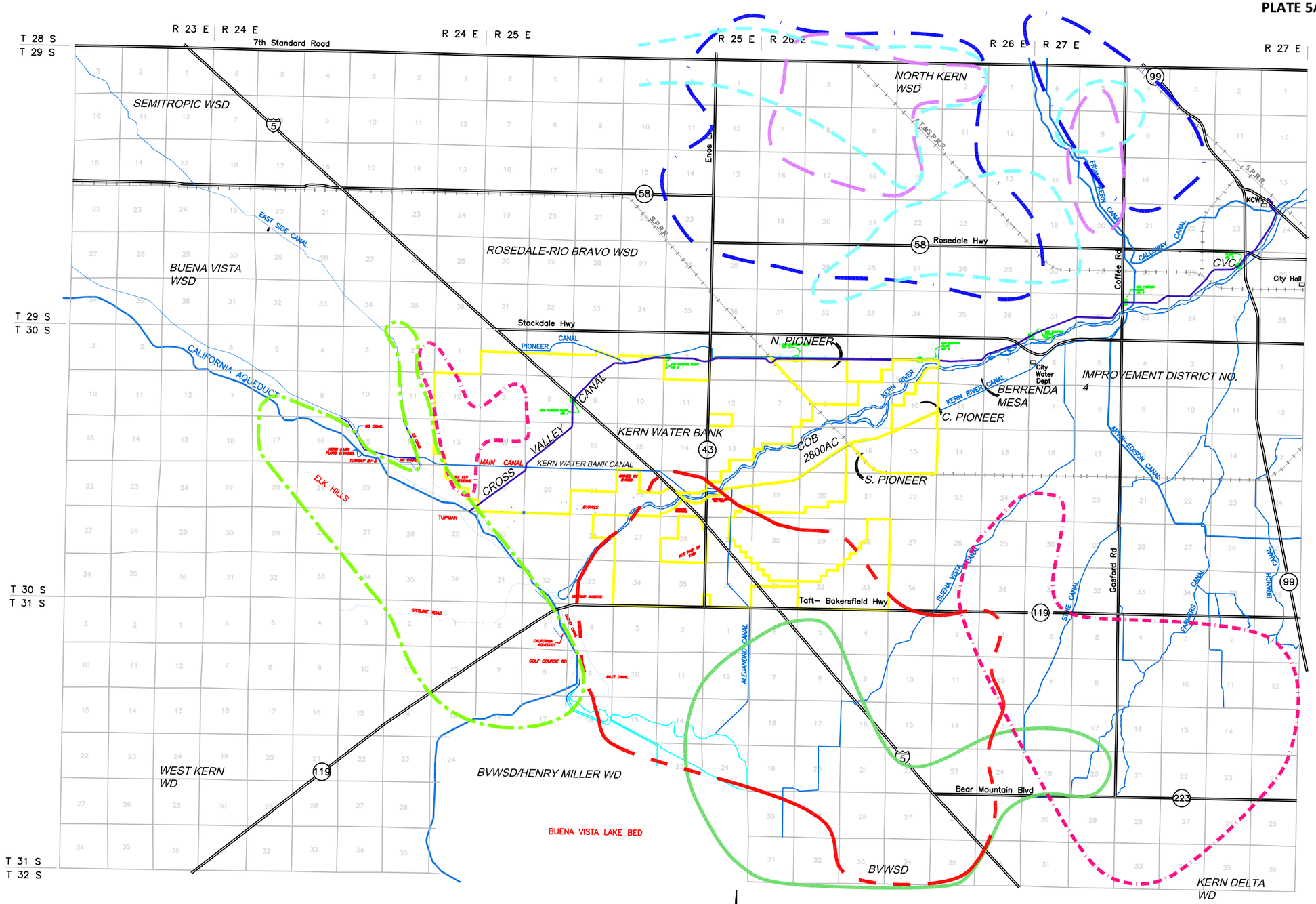
Recovery Program Water Quality Evaluations – The Department of Water Resources (DWR), downstream stakeholders in the Aqueduct, and Kern County banking interests developed water quality

guidelines under which banked groundwater can be introduced into the Aqueduct (Appendix D; "Interim Department of Water Resources Water Quality Criteria for Acceptance of Non-Project Water into the State Water Project, March 1, 2001"). These guidelines require that water introduced from recovery operations not significantly alter background Aqueduct water quality. The Pioneer Project recovered in only January of 2005 a total of 1,476 acre-feet.

Works Cited

Gilbert, R. O., 1987. Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold, New York.

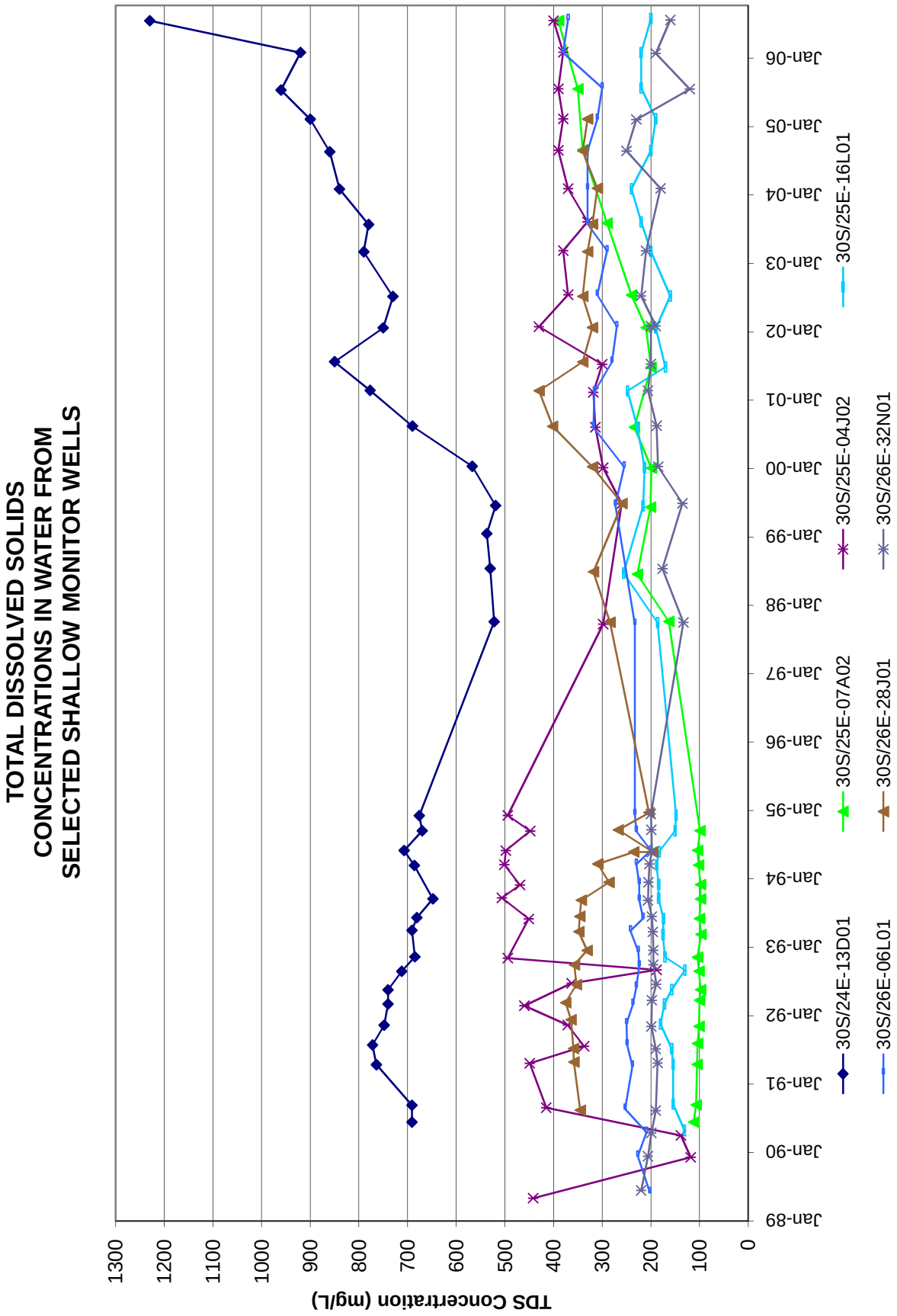
PLATE 5A-1

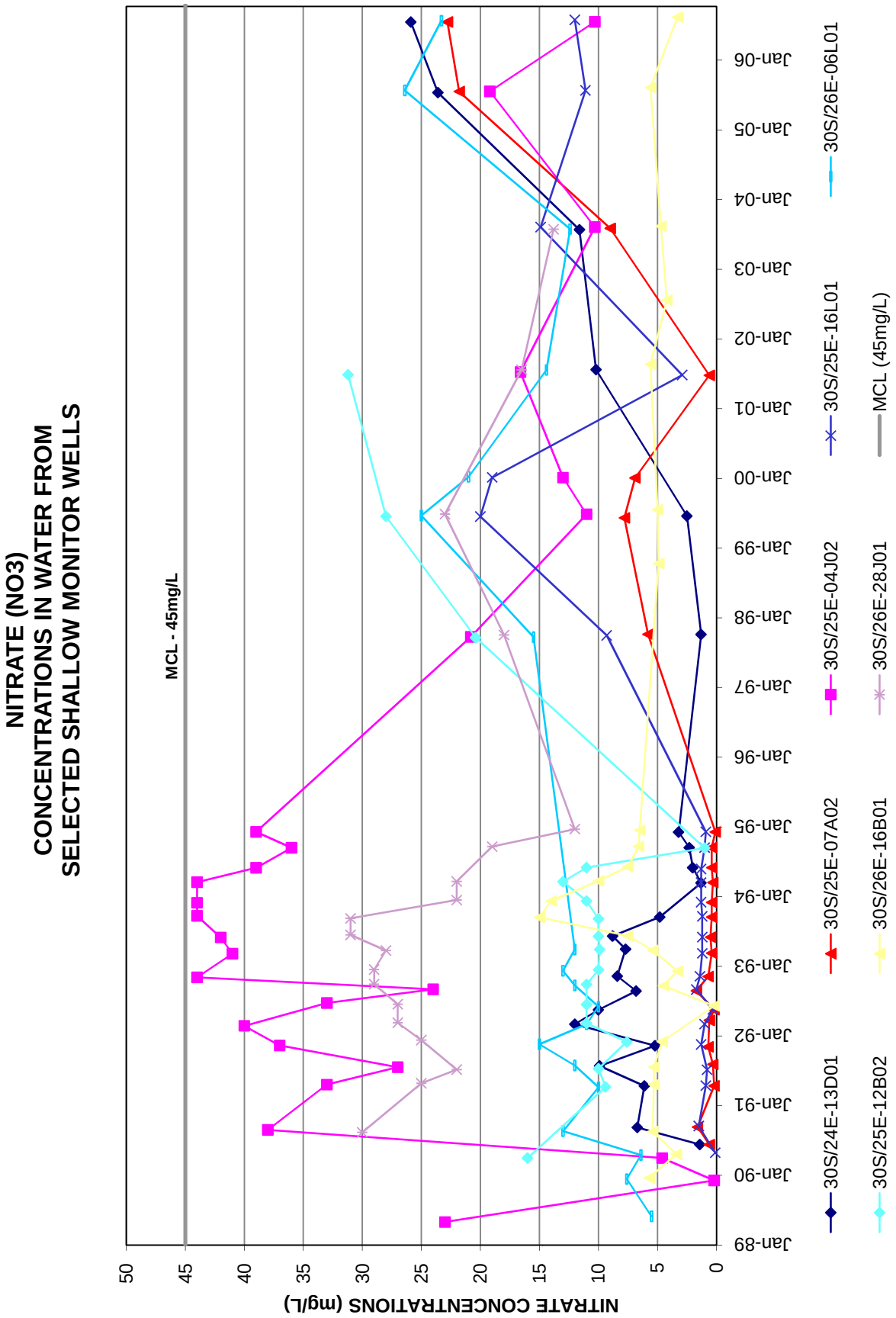


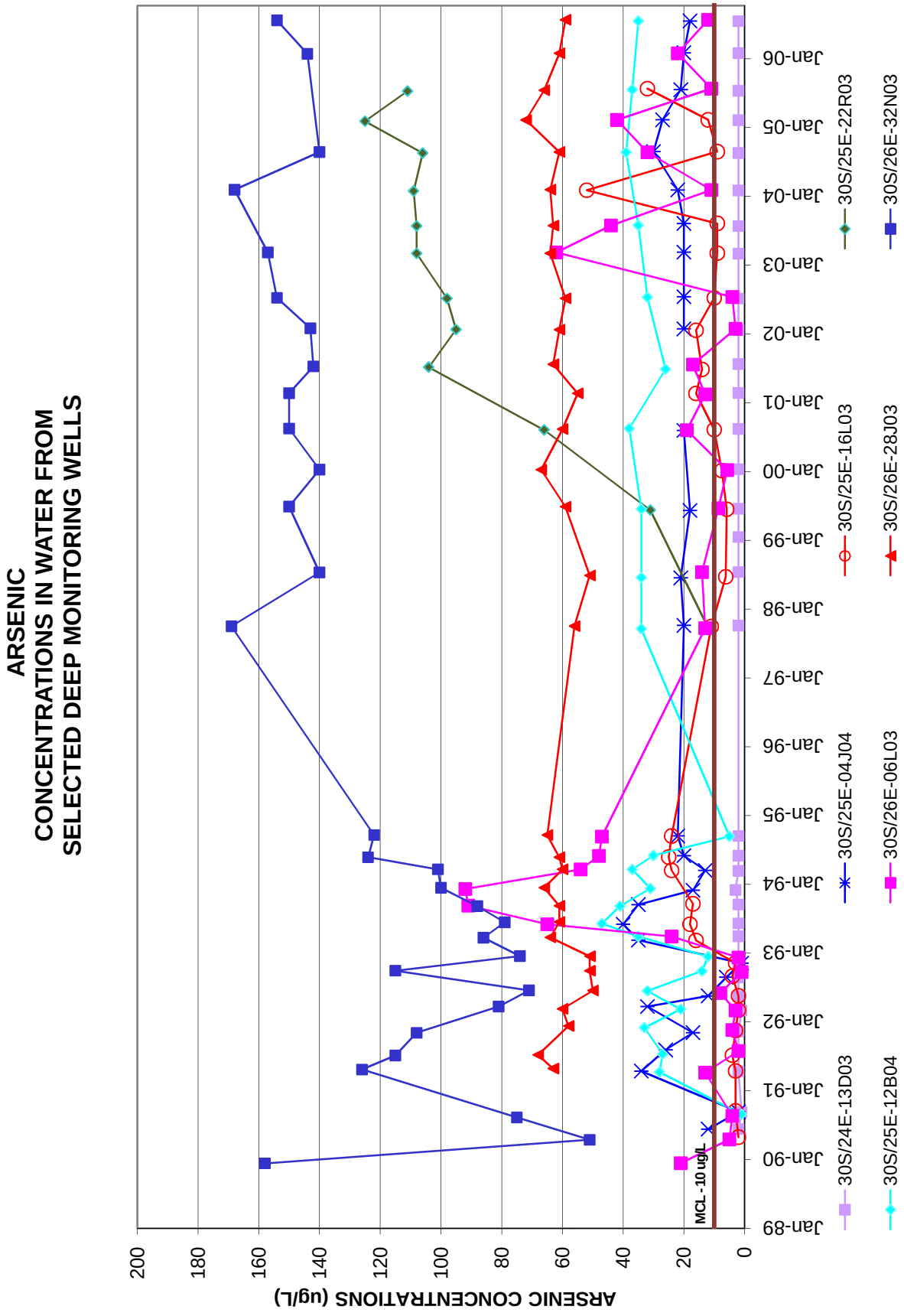
Kern Fan Monitoring Committee
Kern County, California

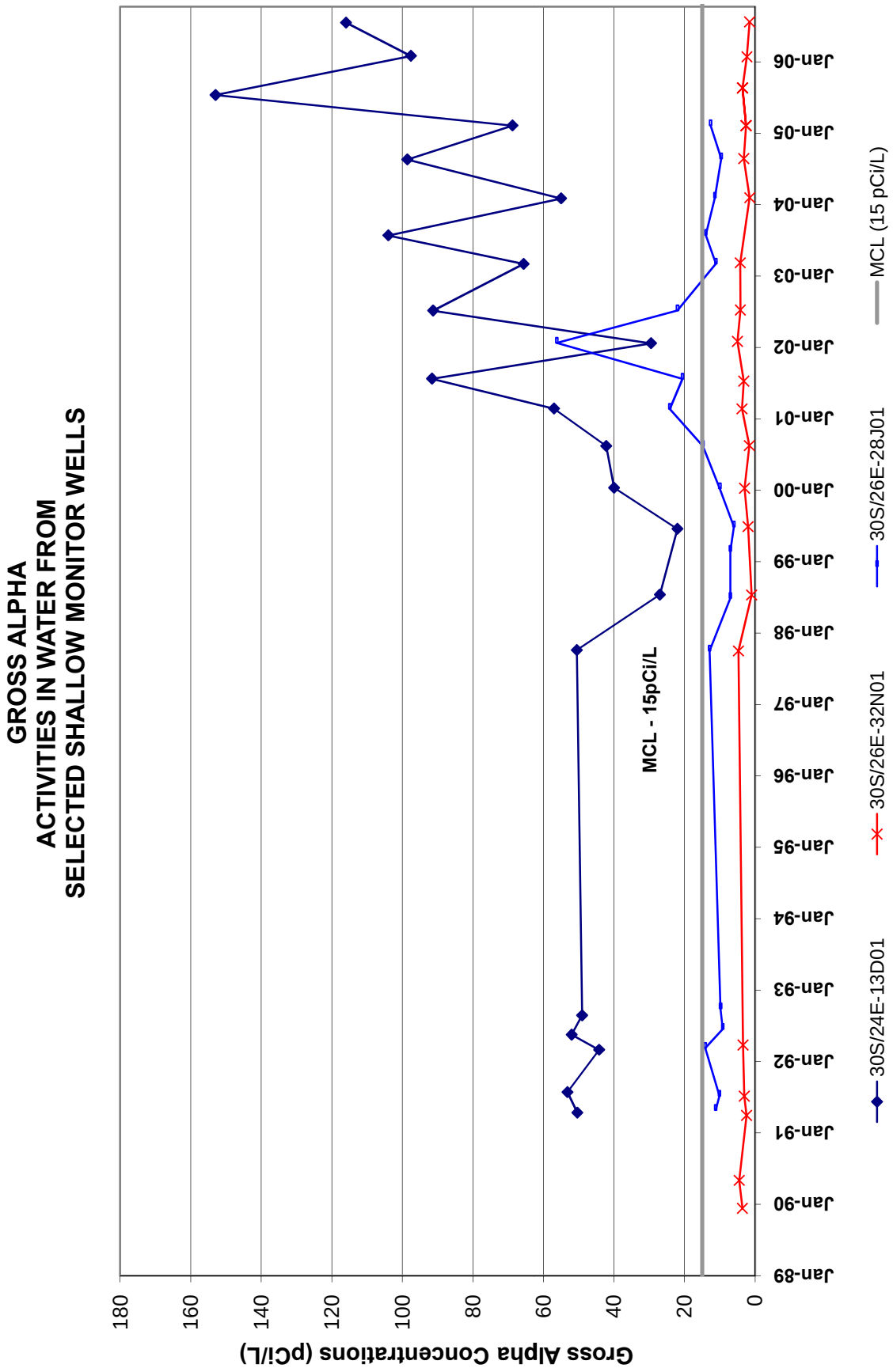
KERN FAN AREA
WATER QUALITY AREA OF CONCERN MAP

D:\My Docs\ZWF\Kern Fan\KF Base\KF WQ Area of Concern (072502).dwg


TOTAL DISSOLVED SOLIDS
CONCENTRATIONS IN WATER FROM
SELECTED SHALLOW MONITOR WELLS
TDS Concertration (mg/L)
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
30S/24E-13D01
30S/25E-07A02
30S/25E-04J02
30S/25E-16L01
30S/26E-06L01
30S/26E-28J01
30S/26E-32N01


NITRATE (NO3)
CONCENTRATIONS IN WATER FROM
SELECTED SHALLOW MONITOR WELLS
MCL - 45mg/L
NITRATE CONCENTRATIONS (mg/L)
50
45
40
35
30
25
20
15
10
5
0
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
30S/24E-13D01
30S/25E-12B02
30S/25E-07A02
30S/26E-16B01
30S/25E-04J02
30S/26E-28J01
30S/25E-16L01
30S/26E-06L01
MCL (45mg/L)


ARSENIC
CONCENTRATIONS IN WATER FROM
SELECTED DEEP MONITORING WELLS
ARSENIC CONCENTRATIONS (ug/L)
200
180
160
140
120
100
80
60
40
20
0
MCL - 10 ug/L
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
30S/24E-13D03
30S/25E-12B04
30S/25E-04J04
30S/26E-06L03
30S/25E-16L03
30S/26E-28J03
30S/25E-22R03
30S/26E-32N03


GROSS ALPHA
ACTIVITIES IN WATER FROM
SELECTED SHALLOW MONITOR WELLS
Gross Alpha Concentrations (pCi/L)
180
160
140
120
100
80
60
40
20
0
Jan-89
Jan-90
Jan-91
Jan-92
Jan-93
Jan-94
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Jan-05
Jan-06
MCL - 15pCi/L
30S/24E-13D01
30S/26E-32N01
30S/26E-28J01
MCL (15 pCi/L)

Statistical Analysis of Selected Water Quality Constituents, Kern Fan Monitoring Wells through June 2009

		Total Dissolved Solids		Nitrate		Arsenic		Total Alpha	
Well	*Perf. Int. (ft)*	*Mann-Kendall*	*Sens slope*	*Mann-Kendall*	*Sens slope*	*Mann-Kendall*	*Sens slope*	*Mann-Kendall*	*Sens slope*
29S/24E-08L02	525-625			*		*			
29S/24E-08L03	360-440			*		*			
29S/24E-34N01	560-660	*		*					
29S/24E-34N02	370-470	*		*					
29S/25E-25M01	600-700	*		upward	Q=0.1	*		*	
29S/25E-25M02	260-350	*		upward	Q= 2.8	*		*	
29S/25E-27N01	610-700	*		*		*		*	
29S/25E-27N02	210-310	*		upward	Q= 2.0	*		*	
29S/26E-31H01	560-630	*		*		*		*	
29S/26E-31H02	360-430	*		*		*		*	
29S/26E-35H03	590-680	*		*		*		*	
29S/26E-35H04	310-410	upward	Q= 3.3	*				*	
30S/24E-06B02	550-650	*		*		*			
30S/24E-06B03	370-450	*		*					
30S/24E-13D01	150-250	upward	Q= 6.01	*		*		*	
30S/24E-13D02	320-360	*		*		*		*	
30S/24E-13D03	520-650	upward	Q= 6.7	*		downward	*	upward	Q= 0.1
30S/24E-14M02	600-700	upward	Q=587.5	*		*		*	
30S/24E-14M03	355-455	*		*		*		*	
30S/24E-24C01		*							
30S/24E-24C02		*						*	
30S/24E-24C03		*							
30S/25E-04J02	190-250	*		*		*		*	
30S/25E-04J03	345-455	*		*		upward	*	*	
30S/25E-04J04	565-625	*		*		*		upward	Q= 0.6
30S/25E-07A02	220-290	*		*		*			
30S/25E-07A03	420-470	*		*		*			
30S/25E-07A04	530-620	*		*		*			
30S/25E-11P01	150-210	*		*		*			
30S/25E-11P02	330-470			*					
30S/25E-11P03	520-570	*		*		*			
30S/25E-12B02	150-250	*							
30S/25E-12B03	360-500			*					
30S/25E-12B04	590-690	*		*		*			
30S/25E-16L01	285-345	*		upward	Q= 0.2	*		upward	Q= 0.4
30S/25E-16L02	515-555	*		*		*			
30S/25E-16L03	645-690	*		*		upward	Q= 0.5	*	
30S/25E-19N03	190-230			*					
30S/25E-19R01	485-555	*		*		*		*	
30S/25E-19R02	336-376	*		*		upward	*	*	
30S/25E-21G02	590-660	*		*		*			
30S/25E-21G03	420-480	*		*		*			
30S/25E-22R01	80-125	*		*		*			
30S/25E-22R03	380-460	*		*		upward	Q= 1.0		
30S/25E-24C04	445-525			*					
30S/25E-36R01	600-640	*		*		*			
30S/25E-36R02		*		*		upward	Q= 0.4		
30S/26E-04J01	100-150			*		*			
30S/26E-04J02	223-375			*					
30S/26E-04J03	560-650			*					
30S/26E-06L01	210-270	*		*		*		*	
30S/26E-06L02	360-536			*					
30S/26E-06L03	585-620	*		*		*		*	
30S/26E-08P04	600-680			*					
30S/26E-16B01	140-250	*		*		*		*	
30S/26E-16B02	330-390	*		*		downward	*	*	
30S/26E-16B03	530-660	*		*		upward	*	*	
30S/26E-16B04	35-50					*			
30S/26E-18H04	440-540			*					
30S/26E-18N01	150-250			*					
30S/26E-19B01	120-220			*					
30S/26E-19B03	500-590			*					
30S/26E-25A02	590-690			*				*	
30S/26E-25A03	290-390			upward	Q= 1.3			*	
30S/26E-28J01	120-220	*		*		*			
30S/26E-28J02	280-330			*				*	
30S/26E-28J03	540-615	*		*		*		*	
30S/26E-32N01	210-330	*		*		*		*	
30S/26E-32N02	390-440			*					
30S/26E-32N03	570-610	*		*		*		*	

* = no statistical trend
Empty cells indicate Sens Slope not performed.
Sens Slope only performed if Mann-Kendall showed a trend. Sens Slope considered verification of trend.
Grayed out boxes indicate not enough data to run analysis
Q = median slope of the trend

Pump-in Operations Blending Calculations

February 28, 2003

Values in blue are for user entry.
Values in black are calculated results or labels.

	Demand	Constituent Concentrations								
		As	Br	Cr	Cr+6	NO3	TDS	DOC	SO4	U
Units	cfs	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	pCi/l
MCL		50	None	50	None	45	500	None	250	20
Aqueduct	2192	2.0	290	1.0	0.10	2.9	349	6.0	43	0.8
Kern River (into RC)	0	-	-	-	-	-	-	-	-	-
Kern River (into CVC)*	0	-	-	-	-	-	-	-	-	-
Friant (into CVC)*	0	-	-	-	-	-	-	-	-	-

* These Kern River & Friant flows modeled into CVC Pool 5. Enter Kern River and Friant data on "Well Data by Pool" sheet.

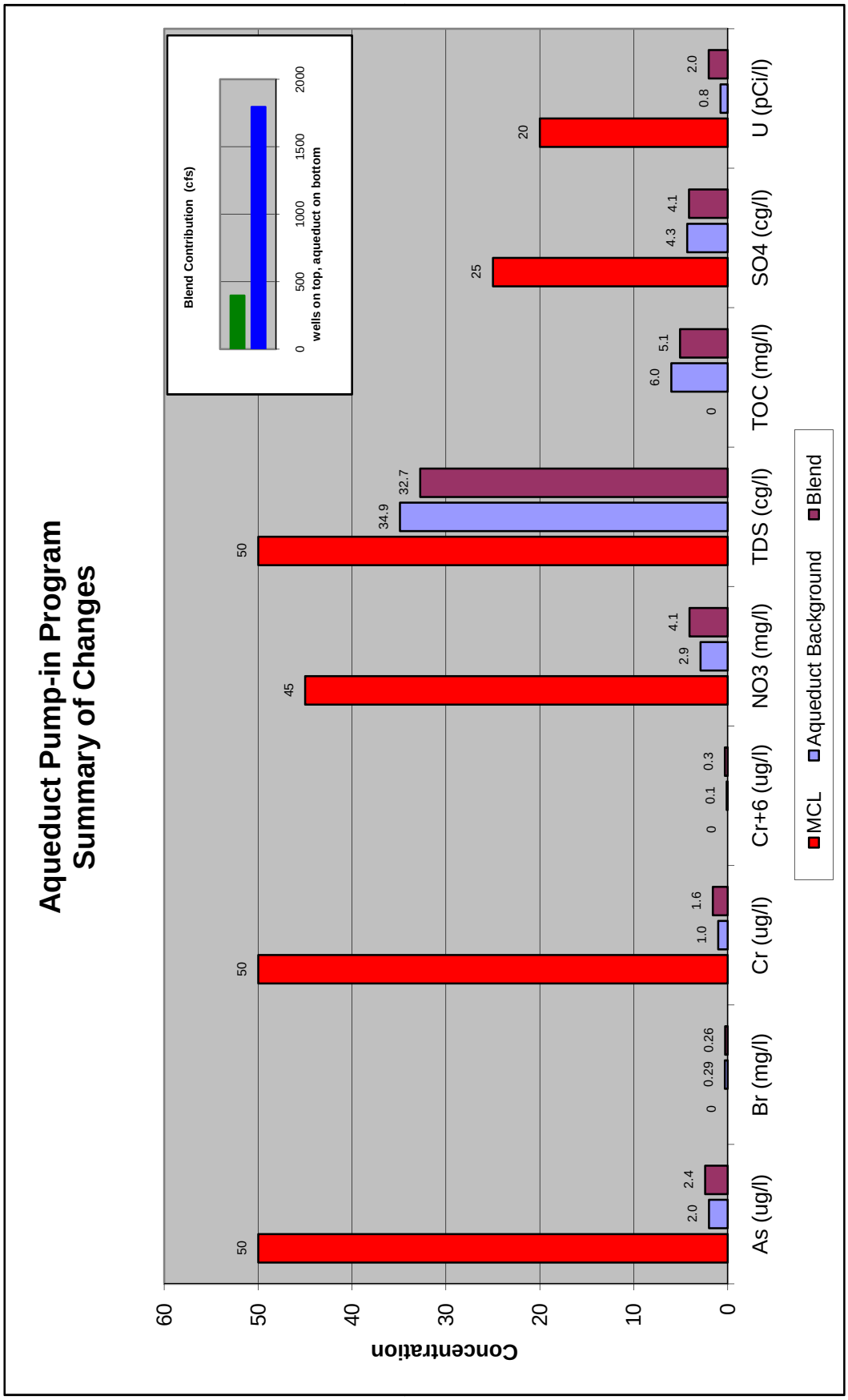
Well Manifold Blends

Manifold	Flow	As	Br	Cr	Cr+6	NO3	TDS	DOC	SO4	U
	cfs	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	pCi/l
Semitropic	0	-	-	-	-	-	-	-	-	-
CVC Pool 1	41	4.8	134	3.5	1.6	10.5	248	0.8	59	7.9
CVC Pool 2	15	2.1	166	3.7	1.6	10.4	249	1.0	41	8.9
CVC Pool 3	11	2.3	652	3.2	1.6	9.5	532	0.6	27	9.3
CVC Pool 4	0	-	-	-	-	-	-	-	-	-
CVC Pool 5 & 6	0	-	-	-	-	-	-	-	-	-
CVC Subtotals East	10	2.3	652	3.2	1.6	9.5	532	0.6	27	9.3
West	57	4.0	154	3.5	1.6	10.5	255	0.8	54	8.2
River Canal	19	5.0	60	2.3	1.6	6.5	178	0.7	35	1.7
KWB Canal	213	4.5	162	3.6	1.6	12.6	253	0.9	38	11.8
Aquatic Lakes	0	-	-	-	-	-	-	-	-	-
WRM6	0	-	-	-	-	-	-	-	-	-
WRM7	0	-	-	-	-	-	-	-	-	-
WRM8	0	-	-	-	-	-	-	-	-	-
WRM9	0	-	-	-	-	-	-	-	-	-
WRM9A-10	0	-	-	-	-	-	-	-	-	-
WRMWSD Subtotal	0	-	-	-	-	-	-	-	-	-
Arvin-Edison	116	3.5	68	5.8	-	3.2	186	0.9	15.9	1.2
Well Blend in Aqueduct	405	4.2	129	4.1	1.14	9.4	230	0.9	34	7.8

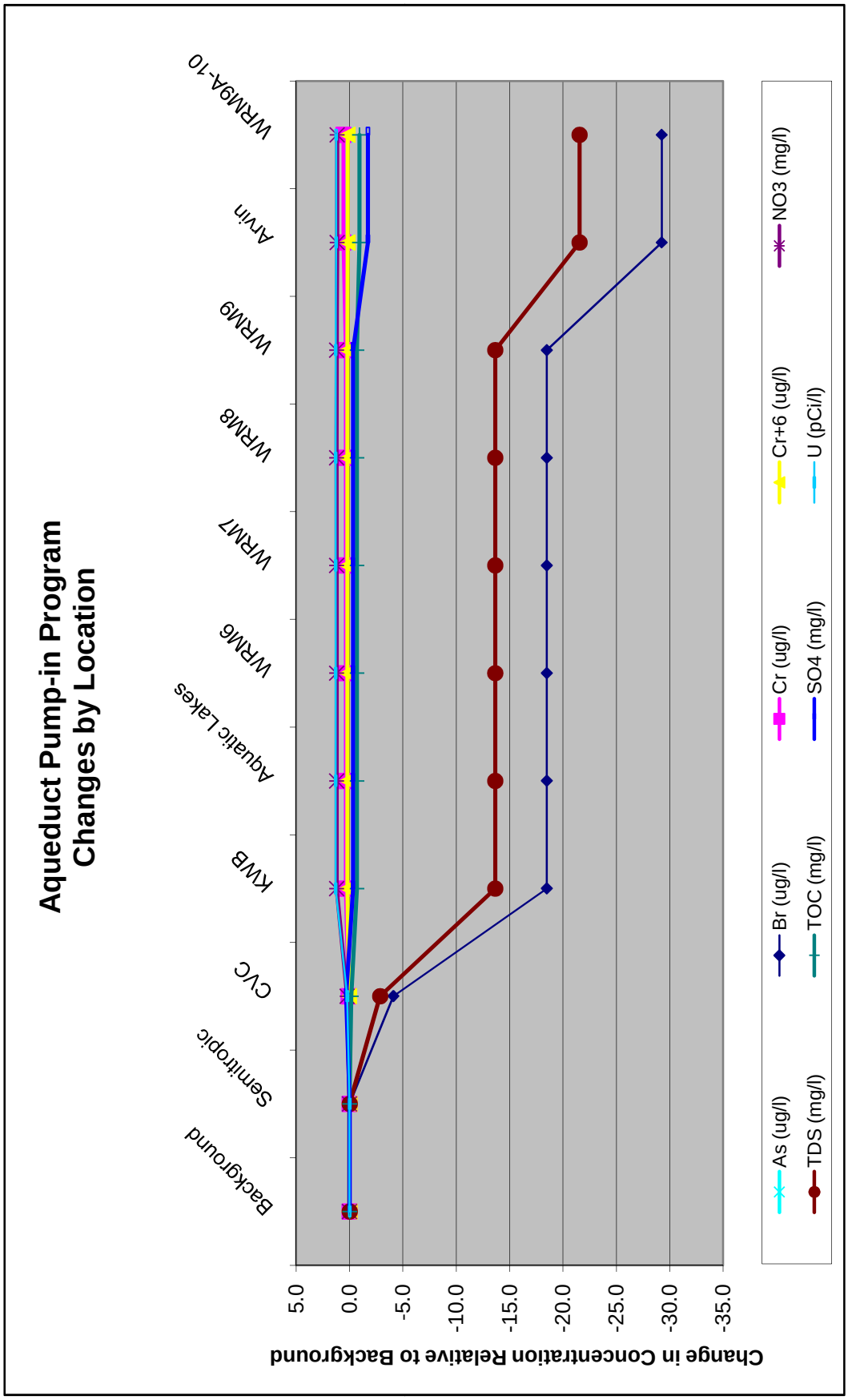
Note: Enter Semitropic and Arvin data on "Daily Input & Inflow Summaries" sheet. Enter Aquatic Lakes on "Well Data by Pool" sheet.

Canal Blends

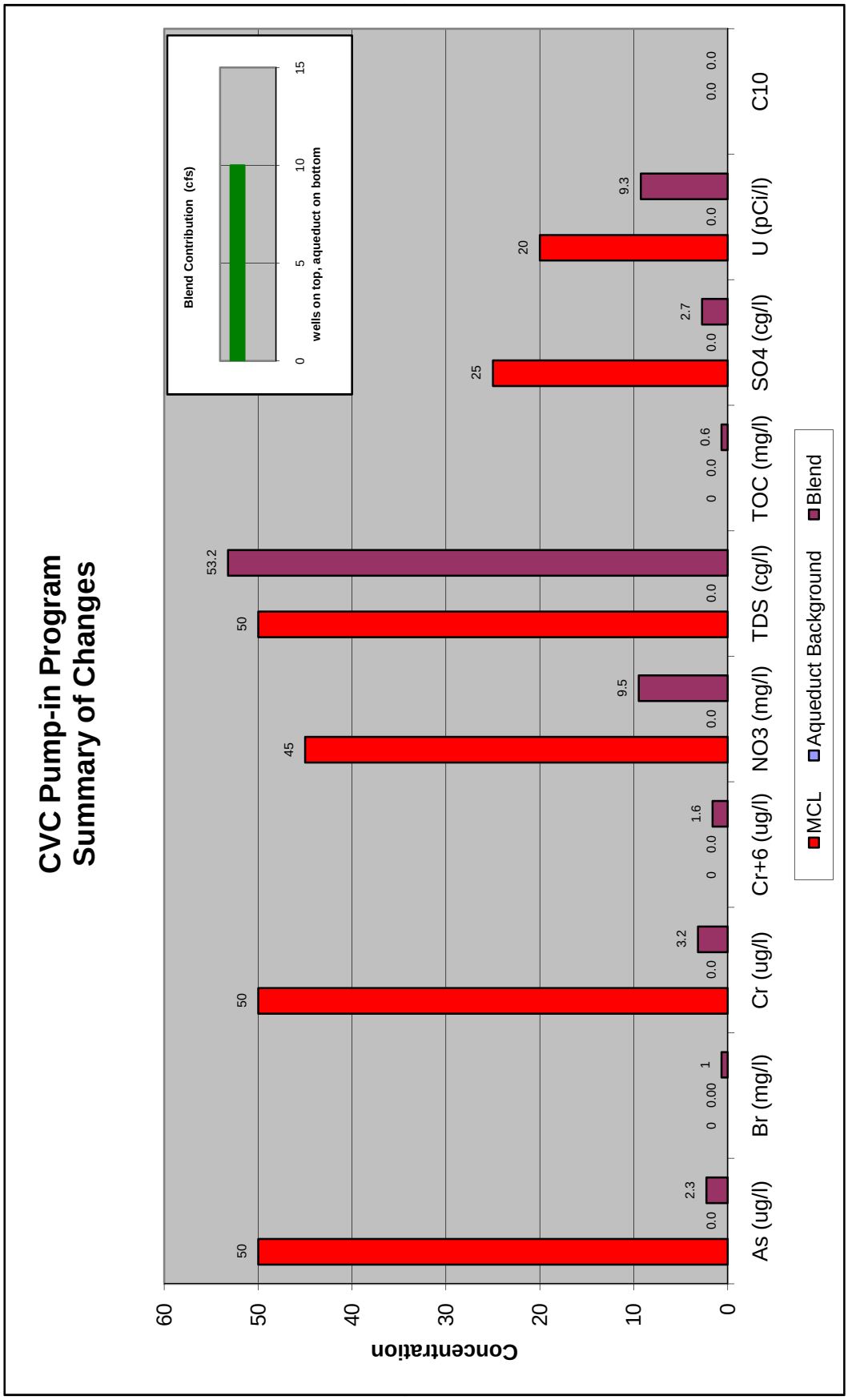
	Total Flow	Constituent Concentrations								
		As	Br	Cr	Cr+6	NO3	TDS	DOC	SO4	U
Units	cfs	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	pCi/l
MCL		50	None	50	None	45	500	None	250	20
CVC Blend	10	2.3	652	3.2	1.6	9.5	532	0.6	27	9.3
Change	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
% of the MCL	NA	5%	NA	6%	NA	21%	106%	NA	11%	46%
Aqueduct Blends										
Background	2026	2.0	290	1.0	0.10	2.9	349	6.0	43	0.8
After Semitropic	1886	2.0	290	1.0	0.10	2.9	349	6.0	43	0.8
After CVC	1896	2.1	286	1.1	0.15	3.1	346	5.8	43	1.0
After KWB	2127	2.3	272	1.3	0.30	4.1	335	5.3	43	2.1
After Aquatic Lakes	2127	2.3	272	1.3	0.30	4.1	335	5.3	43	2.1
After WRMWSD 6	2097	2.3	272	1.3	0.30	4.1	335	5.3	43	2.1
After WRMWSD 7	2089	2.3	272	1.3	0.30	4.1	335	5.3	43	2.1
After WRMWSD 8	2077	2.3	272	1.3	0.30	4.1	335	5.3	43	2.1
After WRMWSD 9	2076	2.3	272	1.3	0.30	4.1	335	5.3	43	2.1
After Arvin-Edison	2192	2.4	261	1.6	0.29	4.1	327	5.1	41	2.0
After WRMWSD 9A-10	2192	2.4	261	1.6	0.29	4.1	327	5.1	41	2.0
Total Change	167	0.4	-29	0.6	0.19	1.2	-22	-0.9	-2	1.3
% of the MCL	NA	5%	NA	3%	NA	9%	65%	NA	17%	10%



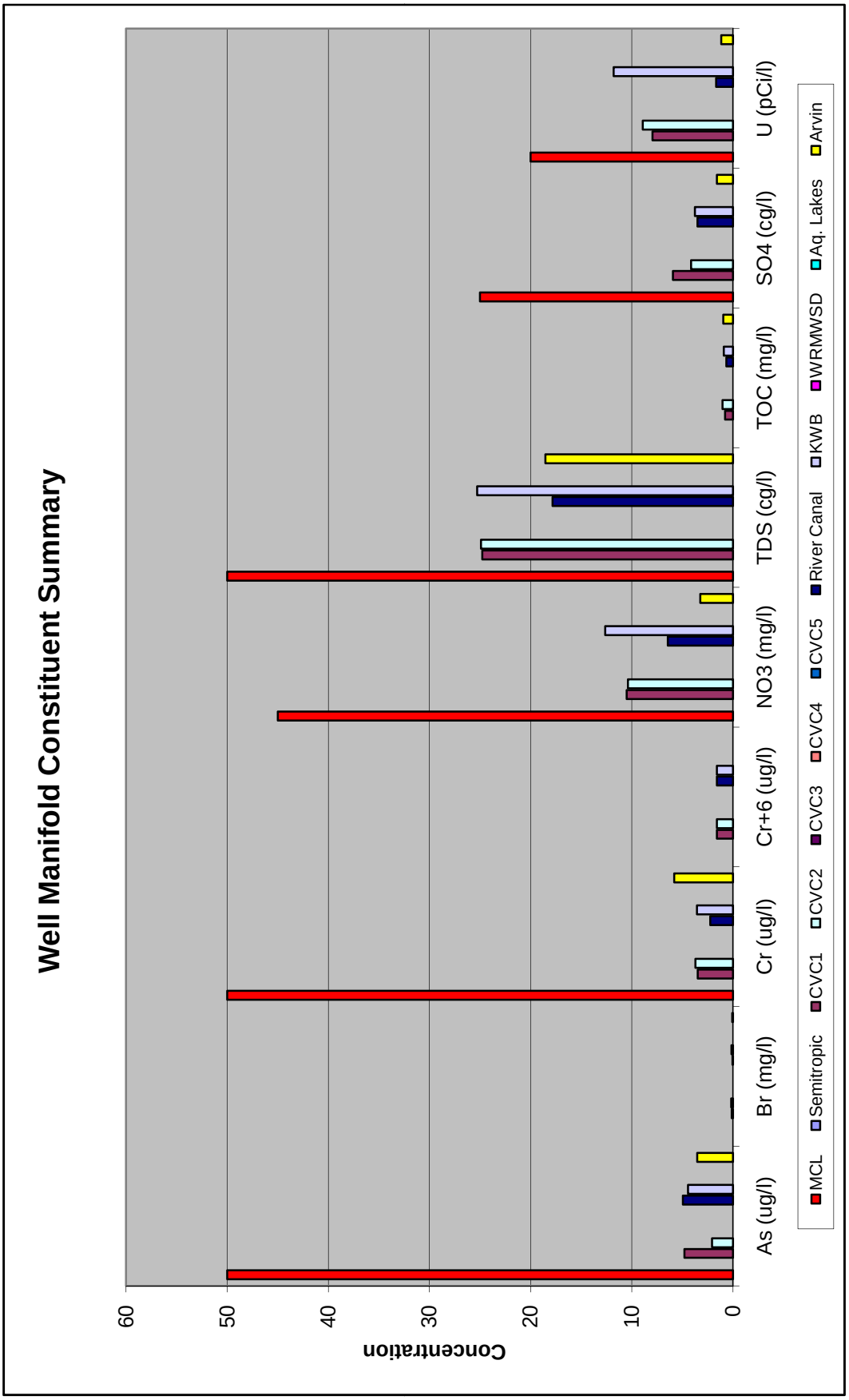
February 28, 2003



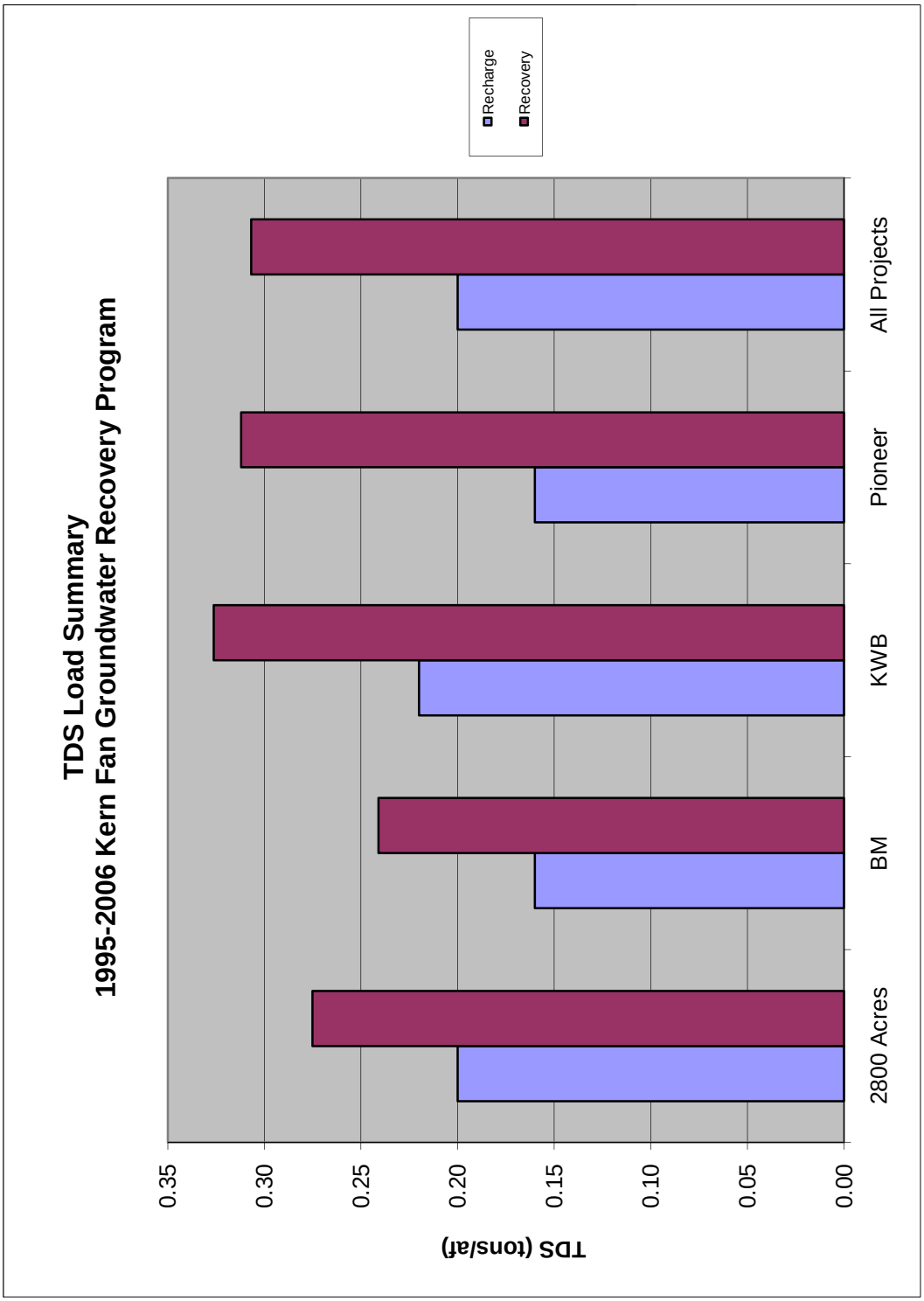
February 28, 2003

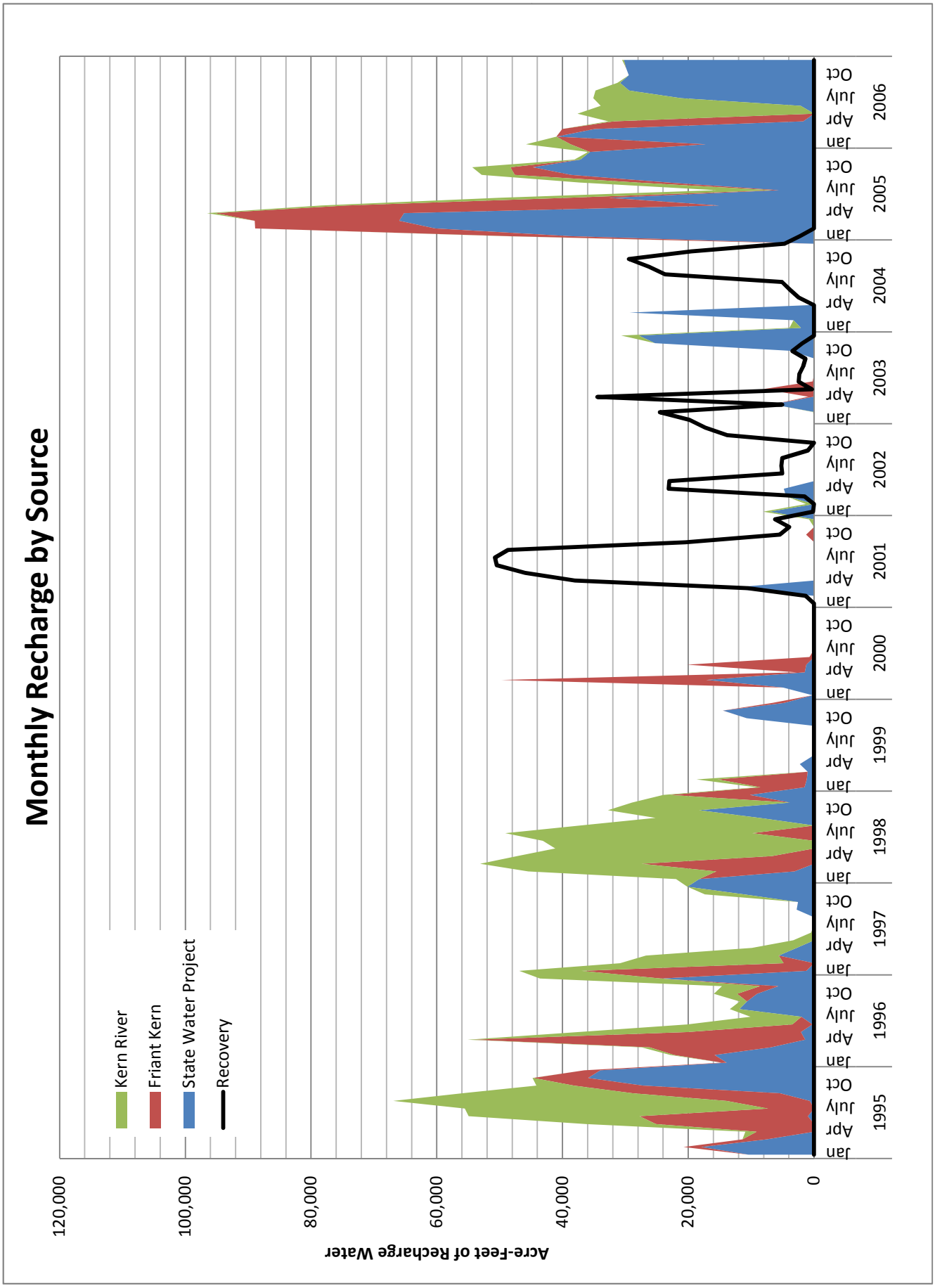


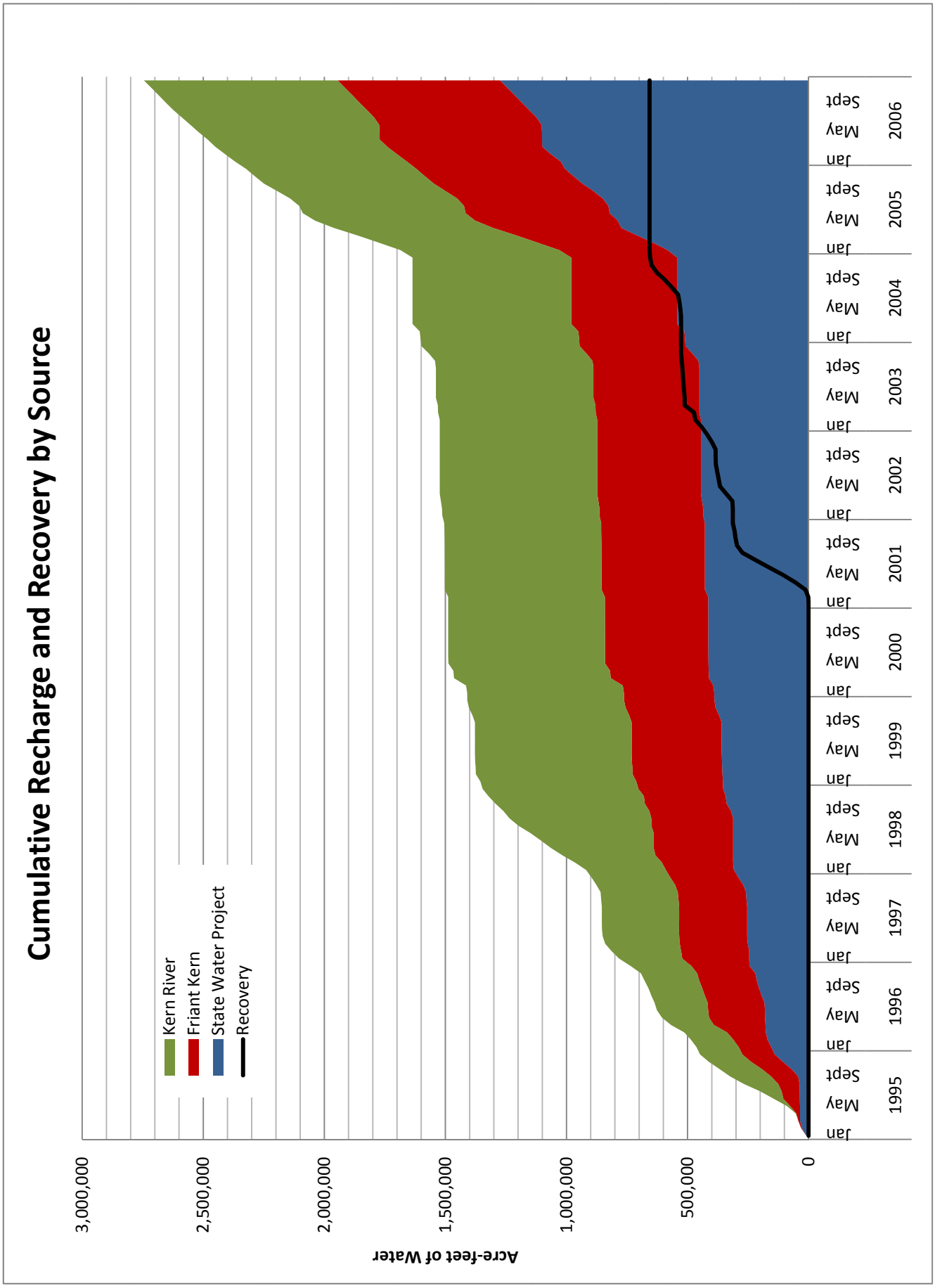
February 28, 2003



February 28, 2003


TDS Load Summary
1995-2006 Kern Fan Groundwater Recovery Program
TDS (tons/af)
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
2800 Acres
BM
KWB
Pioneer
All Projects
Recharge
Recovery


Monthly Recharge by Source
Kern River
Friant Kern
State Water Project
Recovery
Acre-Feet of Recharge Water
120,000
100,000
80,000
60,000
40,000
20,000
0
Jan
Apr
July
Oct
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006


Cumulative Recharge and Recovery by Source
Kern River
Friant Kern
State Water Project
Recovery
Acre-feet of Water
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
Jan
May
Sept
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006

KERN FAN MONITORING COMMITTEE

TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN WITH RECHARGE WATER SUPPLIES - SUMMARY

PROJECT	GROSS RECHARGE (AF)	NET RECHARGE (AF)	SALT LOAD (TONS)	AVERAGE TDS (MG/L) GROSS (MG/L)	NET (MG/L)	NET (TONS/AF)
BERRENDA MESA						
1995	34,486	32,417	5,840	125	133	0.18
1996	9,966	9,368	1,033	76	81	0.11
1997	6,555	6,162	500	56	60	0.08
1998	20,349	19,128	1,918	69	74	0.10
1999	633	595	22	26	28	0.04
2000	1,027	965	36	26	28	0.04
2001	0	0	0	---	---	---
2002	0	0	0	---	---	---
2003	719	676	288	295	314	0.43
2004	2,872	2,700	1,053	270	287	0.39
2005	34,896	32,802	5,302	112	119	0.16
2006	26,229	24,655	4,554	128	136	0.18
TOTAL	137,732	129,468	20,547	110	117	0.16
2800 ACRE FACILITY						
1995	109,215	102,662	19,896	134	143	0.19
1996	39,483	37,114	5,627	105	112	0.15
1997	5,740	5,396	1,332	171	182	0.25
1998	56,397	53,013	7,424	97	103	0.14
1999	10,263	9,647	1,751	126	134	0.18
2000	30,918	29,063	2,131	51	54	0.07
2001	2,539	2,387	966	280	298	0.40
2002	1,480	1,391	581	289	307	0.42
2003	1,788	1,681	407	167	178	0.24
2004	6,956	6,539	2,479	262	279	0.38
2005	123,410	116,005	28,573	170	181	0.25
2006	50,781	47,734	10,701	155	165	0.22
TOTAL	438,970	412,632	81,867	137	146	0.20
KERN WATER BANK						
1995	222,260	208,924	28,092	93	99	0.13
1996	173,875	163,443	33,216	141	150	0.20
1997	112,262	105,526	20,582	135	144	0.20
1998	302,715	284,552	37,604	91	97	0.13
1999	36,753	34,548	9,270	186	197	0.27
2000	27,579	25,924	5,769	154	164	0.22
2001	10,030	9,428	3,817	280	298	0.40
2002	13,439	12,633	5,120	280	298	0.41
2003	40,374	37,952	17,895	326	347	0.47
2004	18,065	16,981	6,436	262	279	0.38
2005	387,557	364,304	114,436	217	231	0.31
2006	283,233	266,239	51,311	133	142	0.19
TOTAL	1,628,142	1,530,453	333,548	151	160	0.22

PROJECT	GROSS RECHARGE (AF)	NET RECHARGE (AF)	SALT LOAD (TONS)	AVERAGE TDS (MG/L) GROSS (MG/L)	NET (MG/L)	NET (TONS/AF)
PIONEER PROPERTY						
1995	79,513	74,742	6,975	65	69	0.09
1996	45,676	42,935	5,471	88	94	0.13
1997	30,085	28,280	4,002	98	104	0.14
1998	69,115	64,968	8,566	91	97	0.13
1999	13,732	12,908	2,750	147	157	0.21
2000	15,296	14,378	2,355	113	121	0.16
2001	1,253	1,178	477	280	298	0.40
2002	1,434	1,348	561	288	306	0.42
2003	8,372	7,870	3,771	331	353	0.48
2004	6,811	6,402	2,527	273	290	0.39
2005	111,199	104,527	20,265	134	143	0.19
2006	61,228	57,554	10,660	128	136	0.19
TOTAL	443,714	417,091	68,380	113	121	0.16
KERN RIVER CHANNEL						
1995	3,258	3,063	193	44	46	0.06
1996	18,325	17,226	1,426	57	61	0.08
1997	6,471	6,083	802	91	97	0.13
1998	872	820	47	40	43	0.06
1999	2,043	1,920	77	28	30	0.04
2000	4,073	3,829	144	26	28	0.04
2001	2,214	2,081	180	60	64	0.09
2002	2,305	2,167	443	141	150	0.20
2003	24,441	22,975	6,723	202	215	0.29
2004	1,863	1,751	239	94	100	0.14
2005	29,997	28,197	1,664	41	43	0.06
2006	825	776	53	47	50	0.07
TOTAL	96,687	90,886	11,992	91	97	0.13
COMBINED AREAS						
1995	448,732	421,808	60,995	100	106	0.14
1996	287,325	270,086	46,773	120	127	0.17
1997	161,113	151,446	27,219	124	132	0.18
1998	449,448	422,481	55,559	91	97	0.13
1999	63,424	59,619	13,871	161	171	0.23
2000	78,893	74,159	10,435	97	104	0.14
2001	16,036	15,074	5,440	250	266	0.36
2002	18,658	17,539	6,705	264	281	0.38
2003	75,694	71,152	29,084	283	301	0.41
2004	36,567	34,373	12,734	256	273	0.37
2005	687,059	645,835	170,241	182	194	0.26
2006	422,296	396,958	77,278	135	143	0.19
TOTAL	2,745,245	2,580,530	516,333	138	147	0.20

TABLE 5D-1

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

YEAR: **1995**

PROJECT/SOURCE	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)
BERRENDA MESA												
SWP	3,008	417	1,705	3,774	219	1,123	1,255	263	449	-	274	-
FK	-	43	-	734	43	43	1,150	43	67	2,327	43	136
KR	-		-	-		-	-	104	-	-	78	-
TOTALS	**3,008**		**1,705**	**4,508**		**1,166**	**2,405**		**516**	**2,327**		**136**
2800 ACRES												
SWP	7,432	417	4,212	14,181	219	4,221	6,303	263	2,253	-	274	-
FK	-	43	-	2,100	43	123	175	43	10	264	43	15
KR	-		-	-		-	-	104	-	-	78	-
TOTALS	**7,432**		**4,212**	**16,281**		**4,344**	**6,478**		**2,263**	**264**		**15**
KERN WATER BANK												
SWP	-	417	-	-	219	-	-	263	-	-	274	-
FK	-	43	-	-	43	-	43	43	3	-	43	-
KR	-		-	-		-	-	104	-	714	78	76
TOTALS	**0**		**0**	**0**		**0**	**43**		**3**	**714**		**76**
PIONEER PROPERTY												
SWP	-	417	-	-	219	-	-	263	-	-	274	-
FK	-	43	-	-	43	-	2,253	43	132	6,551	43	383
KR	-		-	-		-	-	104	-	1,067	78	113
TOTALS	**0**		**0**	**0**		**0**	**2,253**		**132**	**7,618**		**496**
KERN RIVER CHANNEL												
SWP	-	417	-	-	219	-	-	263	-	-	274	-
FK	-	43	-	-	43	-	226	43	13	-	43	-
KR	-		-	-		-	-	104	-	-	78	-
TOTALS	**0**		**0**	**0**		**0**	**226**		**13**	**0**		**0**

PROJECT/SOURCE	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)
BERRENDA MESA												
SWP	-	144	-	-	152	-	-	158	-	-	178	-
FK	1,787	43	104	2,214	43	129	1,984	43	116	2,341	43	137
KR	523	87	62	1,036	62	87	581	43	34	319	38	16
TOTALS	**2,310**		**166**	**3,250**		**217**	**2,565**		**150**	**2,660**		**153**
2800 ACRES												
SWP	-	144	-	-	152	-	-	158	-	-	178	-
FK	7,658	43	448	7,804	43	456	1,079	43	63	4,558	43	266
KR	4,543	87	537	7,267	62	612	8,118	43	474	8,090	38	418
TOTALS	**12,201**		**985**	**15,071**		**1,068**	**9,197**		**537**	**12,648**		**684**
KERN WATER BANK												
SWP	-	144	-	988	152	204	-	158	-	708	178	171
FK	8,659	43	506	10,933	43	639	577	43	34	3,557	43	208
KR	1,461	87	173	12,254	62	1,033	32,945	43	1,925	35,816	38	1,850
TOTALS	**10,120**		**679**	**24,175**		**1,876**	**33,522**		**1,959**	**40,081**		**2,229**
PIONEER PROPERTY												
SWP	-	144	-	-	152	-	-	158	-	-	178	-
FK	6,442	43	376	4,966	43	290	3,669	43	214	2,780	43	162
KR	4,586	87	542	6,514	62	549	5,785	43	338	8,782	38	454
TOTALS	**11,028**		**919**	**11,480**		**839**	**9,454**		**552**	**11,562**		**616**
KERN RIVER CHANNEL												
SWP	-	144	-	-	152	-	-	158	-	-	178	-
FK	589	43	34	889	43	52	-	43	-	-	43	-
KR	-	87	-	88	62	7	803	43	47	-	38	-
TOTALS	**589**		**34**	**977**		**59**	**803**		**47**	**0**		**0**

PROJECT/SOURCE	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA														
SWP	-	165	-	73	141	14	778	160	169	2,549	270	935	**11,437**	**4,395**
FK	3,616	43	211	-	43	-	2,699	43	158	65	43	4	**18,917**	**1,106**
KR	-	61	-	1,626	61	135	47	73	5	-	117	-	**4,132**	**339**
TOTALS	**3,616**		**211**	**1,699**		**149**	**3,524**		**332**	**2,614**		**939**	**34,486**	**5,840**
2800 ACRES														
SWP	2,988	165	670	6,452	141	1,236	4,971	160	1,081	5,960	270	2,187	**48,287**	**15,860**
FK	5,930	43	347	377	43	22	75	43	4	-	43	-	**30,020**	**1,754**
KR	2,890	61	240	-	61	-	-	73	-	-	117	-	**30,908**	**2,281**
TOTALS	**11,808**		**1,256**	**6,829**		**1,258**	**5,046**		**1,085**	**5,960**		**2,187**	**109,215**	**19,896**
KERN WATER BANK														
SWP	2,421	165	543	15,481	141	2,967	26,844	160	5,837	23,887	270	8,765	**70,329**	**18,487**
FK	9,527	43	557	10,351	43	605	2,668	43	156	720	43	42	**47,035**	**2,749**
KR	19,386	61	1,607	2,320	61	192	-	73	-	-	117	-	**104,896**	**6,856**
TOTALS	**31,334**		**2,707**	**28,152**		**3,764**	**29,512**		**5,993**	**24,607**		**8,807**	**222,260**	**28,092**
PIONEER PROPERTY														
SWP	20	165	4	5,208	141	998	3,342	160	727	1,607	270	590	**10,177**	**2,319**
FK	4,052	43	237	254	43	15	3,164	43	185	1,548	43	90	**35,679**	**2,085**
KR	4,807	61	399	2,027	61	168	89	73	9	-	117	-	**33,657**	**2,571**
TOTALS	**8,879**		**640**	**7,489**		**1,181**	**6,595**		**920**	**3,155**		**680**	**79,513**	**6,975**
KERN RIVER CHANNEL														
SWP	-	165	-	-	141	-	-	160	-	-	270	-	**0**	**0**
FK	324	43	19	-	43	-	121	43	7	218	43	13	**2,367**	**138**
KR	-	61	-	-	61	-	-	73	-	-	117	-	**891**	**54**
TOTALS	**324**		**19**	**0**		**0**	**121**		**7**	**218**		**13**	**3,258**	**193**
													448,732	**60,995**

AVG TDS
100 MG/L

Water Quality Data Sources:

SWP - Table 32 of State Water Project Operations Data published monthly by State of California.

FK - 43 mg/l represents average of 10 samples collected by KCWA between Nov 94 and Feb 02 (range 19 mg/l to 112 mg/l).

KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

YEAR: **1996**

PROJECT/SOURCE	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)
BERRENDA MESA															
SWP	111	284	43	184	251	63	-	236	-	-	211	-	-	265	-
FK	107	43	6	135	43	8	636	43	37	3,156	43	184	2,098	43	123
KR	-	95	-	-	92	-	-	102	-	-	92	-	-	80	-
TOTALS	**218**		**49**	**319**		**71**	**636**		**37**	**3,156**		**184**	**2,098**		**123**
2800 ACRES															
SWP	1,307	284	504	2,860	251	976	46	236	15	-	211	-	-	265	-
FK	-	43	-	644	43	38	3,289	43	192	11,428	43	668	664	43	39
KR	-	95	-	601	92	75	1,301	102	180	98	92	12	-	80	-
TOTALS	**1,307**		**504**	**4,105**		**1,088**	**4,636**		**387**	**11,526**		**680**	**664**		**39**
KERN WATER BANK															
SWP	11,587	284	4,472	10,740	251	3,664	6,497	236	2,084	1,409	211	404	2,103	265	757
FK	32	43	2	2,677	43	156	8,585	43	502	27,123	43	1,585	9,437	43	551
KR	-	95	-	-	92	-	-	102	-	-	92	-	12,259	80	1,333
TOTALS	**11,619**		**4,474**	**13,417**		**3,820**	**15,082**		**2,586**	**28,532**		**1,989**	**23,799**		**2,642**
PIONEER PROPERTY															
SWP	903	284	349	1,803	251	615	355	236	114	-	211	-	-	265	-
FK	466	43	27	2,703	43	158	4,334	43	253	7,070	43	413	3,904	43	228
KR	-	95	-	-	92	-	-	102	-	-	92	-	3,048	80	331
TOTALS	**1,369**		**376**	**4,506**		**773**	**4,689**		**367**	**7,070**		**413**	**6,952**		**560**
KERN RIVER CHANNEL															
SWP	-	284	-	254	251	87	-	236	-	-	211	-	-	265	-
FK	165	43	10	252	43	15	2,389	43	140	4,173	43	244	1,920	43	112
KR	-	95	-	-	92	-	-	102	-	649	92	81	2,097	80	228
TOTALS	**165**		**10**	**506**		**101**	**2,389**		**140**	**4,822**		**325**	**4,017**		**340**

PROJECT/SOURCE	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA																							
SWP	-	260	-	-	214	-	-	197	-	-	146	-	-	152	-	-	195	-	625	266	226	**920**	**332**
FK	293	43	17	-	43	-	-	43	-	-	43	-	379	43	22	-	43	-	-	43	-	**6,804**	**398**
KR	-	50	-	-	50	-	-	60	-	-	77	-	524	75	53	321	99	43	1,397	109	207	**2,242**	**304**
TOTALS	**293**		**17**	**0**		**0**	**0**		**0**	**0**		**0**	**903**		**76**	**321**		**43**	**2,022**		**433**	**9,966**	**1,033**
2800 ACRES																							
SWP	-	260	-	-	214	-	-	197	-	-	146	-	-	152	-	-	195	-	4,586	266	1,658	**8,799**	**3,153**
FK	-	43	-	-	43	-	-	43	-	-	43	-	603	43	35	1,109	43	65	-	43	-	**17,737**	**1,037**
KR	2,614	50	178	2,541	50	173	105	60	9	-	77	-	-	75	-	2,311	99	311	3,376	109	500	**12,947**	**1,438**
TOTALS	**2,614**		**178**	**2,541**		**173**	**105**		**9**	**0**		**0**	**603**		**35**	**3,420**		**376**	**7,962**		**2,158**	**39,483**	**5,627**
KERN WATER BANK																							
SWP	255	260	90	2,015	214	586	11,456	197	3,067	10,695	146	2,122	9,079	152	1,876	5,601	195	1,484	16,055	266	5,804	**87,492**	**26,411**
FK	2,039	43	119	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	**49,893**	**2,916**
KR	10,369	50	705	2,282	50	155	-	60	-	-	77	-	-	75	-	1,398	99	188	10,182	109	1,508	**36,490**	**3,889**
TOTALS	**12,663**		**914**	**4,297**		**741**	**11,456**		**3,067**	**10,695**		**2,122**	**9,079**		**1,876**	**6,999**		**1,672**	**26,237**		**7,312**	**173,875**	**33,216**
PIONEER PROPERTY																							
SWP	-	260	-	-	214	-	447	197	120	-	146	-	-	152	-	58	195	15	3,054	266	1,104	**6,620**	**2,317**
FK	838	43	49	-	43	-	-	43	-	-	43	-	605	43	35	601	43	35	-	43	-	**20,521**	**1,199**
KR	3,258	50	221	2,403	50	163	1,409	60	115	1,150	77	120	980	75	100	2,020	99	272	4,267	109	632	**18,535**	**1,955**
TOTALS	**4,096**		**270**	**2,403**		**163**	**1,856**		**235**	**1,150**		**120**	**1,585**		**135**	**2,679**		**322**	**7,321**		**1,736**	**45,676**	**5,471**
KERN RIVER CHANNEL																							
SWP	22	260	8	-	214	-	-	197	-	-	146	-	-	152	-	-	195	-	64	266	23	**340**	**118**
FK	-	43	-	-	43	-	-	43	-	-	43	-	1,546	43	90	1,239	43	72	-	43	-	**11,684**	**683**
KR	457	50	31	884	50	60	-	60	-	-	77	-	2,214	75	226	-	99	-	-	109	-	**6,301**	**626**
TOTALS	**479**		**39**	**884**		**60**	**0**		**0**	**0**		**0**	**3,760**		**316**	**1,239**		**72**	**64**		**23**	**18,325**	**1,426**
																						287,325	**46,773**

AVG TDS **120** MG/L

Water Quality Data Sources:

SWP - Table 32 of State Water Project Operations Data published monthly by State of California.

FK - 43 mg/l represents average of 10 samples collected by KCWA between Nov 94 and Feb 02 (range 19 mg/l to 112 mg/l).

KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

YEAR: **1997**

PROJECT/SOURCE	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)
BERRENDA MESA															
SWP	52	66	5	-	88	-	-	147	-	-	225	-	-	227	-
FK	2,932	43	171	1,544	43	90	-	43	-	-	43	-	-	43	-
KR	139	86	16	506	87	60	1,366	84	156	16	72	2	-	74	-
TOTALS	**3,123**		**192**	**2,050**		**150**	**1,366**		**156**	**16**		**2**	**0**		**0**
2800 ACRES															
SWP	65	66	6	-	88	-	-	147	-	-	225	-	-	227	-
FK	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-
KR	875	86	102	-	87	-	-	84	-	623	72	61	1,680	74	169
TOTALS	**940**		**108**	**0**		**0**	**0**		**0**	**623**		**61**	**1,680**		**169**
KERN WATER BANK															
SWP	987	66	89	-	88	-	5,627	147	1,124	2,772	225	848	-	227	-
FK	25,506	43	1,491	3,300	43	193	-	43	-	-	43	-	-	43	-
KR	6,418	86	750	18,330	87	2,167	13,771	84	1,572	4,781	72	468	107	74	11
TOTALS	**32,911**		**2,329**	**21,630**		**2,360**	**19,398**		**2,696**	**7,553**		**1,315**	**107**		**11**
PIONEER PROPERTY															
SWP	131	66	12	-	88	-	-	147	-	-	225	-	-	227	-
FK	7,304	43	427	-	43	-	24	43	1	-	43	-	-	43	-
KR	2,501	86	292	7,185	87	850	5,965	84	681	1,534	72	150	1,450	74	146
TOTALS	**9,936**		**731**	**7,185**		**850**	**5,989**		**682**	**1,534**		**150**	**1,450**		**146**
KERN RIVER CHANNEL															
SWP	-	66	-	-	88	-	-	147	-	-	225	-	-	227	-
FK	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-
KR	-	86	-	-	87	-	-	84	-	188	72	18	79	74	8
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**188**		**18**	**79**		**8**

PROJECT/SOURCE	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)
BERRENDA MESA												
SWP	-	219	-	-	210	-	-	224	-	-	154	-
FK	-	43	-	-	43	-	-	43	-	-	43	-
KR	-	74	-	-	60	-	-	57	-	-	54	-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
2800 ACRES												
SWP	-	219	-	-	210	-	-	224	-	-	154	-
FK	-	43	-	-	43	-	-	43	-	-	43	-
KR	-	74	-	-	60	-	-	57	-	-	54	-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
KERN WATER BANK												
SWP	-	219	-	-	210	-	-	224	-	2,769	154	580
FK	-	43	-	-	43	-	-	43	-	-	43	-
KR	-	74	-	-	60	-	-	57	-	-	54	-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**2,769**		**580**
PIONEER PROPERTY												
SWP	-	219	-	-	210	-	-	224	-	-	154	-
FK	-	43	-	-	43	-	-	43	-	-	43	-
KR	490	74	49	-	60	-	-	57	-	-	54	-
TOTALS	**490**		**49**	**0**		**0**	**0**		**0**	**0**		**0**
KERN RIVER CHANNEL												
SWP	-	219	-	-	210	-	-	224	-	-	154	-
FK	-	43	-	-	43	-	-	43	-	-	43	-
KR	-	74	-	-	60	-	-	57	-	-	54	-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**

PROJECT/SOURCE	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA											
SWP	-	180	-	-	331	-	-	293	-	**52**	**5**
FK	-	43	-	-	43	-	-	43	-	**4,476**	**262**
KR	-		-	-	92	-	-		-	**2,027**	**234**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**6,555**	**500**
2800 ACRES											
SWP	-	180	-	-	331	-	2,497	293	994	**2,562**	**1,000**
FK	-	43	-	-	43	-	-	43	-	**0**	**0**
KR	-		-	-	92	-	-		-	**3,178**	**332**
TOTALS	**0**		**0**	**0**		**0**	**2,497**		**994**	**5,740**	**1,332**
KERN WATER BANK											
SWP	2,563	180	627	11,165	331	5,023	14,166	293	5,641	**40,049**	**13,931**
FK	-	43	-	-	43	-	-	43	-	**28,806**	**1,683**
KR	-		-	-	92	-	-		-	**43,407**	**4,968**
TOTALS	**2,563**		**627**	**11,165**		**5,023**	**14,166**		**5,641**	**112,262**	**20,582**
PIONEER PROPERTY											
SWP	-	180	-	-	331	-	3,501	293	1,394	**3,632**	**1,406**
FK	-	43	-	-	43	-	-	43	-	**7,328**	**428**
KR	-		-	-	92	-	-		-	**19,125**	**2,168**
TOTALS	**0**		**0**	**0**		**0**	**3,501**		**1,394**	**30,085**	**4,002**
KERN RIVER CHANNEL											
SWP	-	180	-	-	331	-	-	293	-	**0**	**0**
FK	-	43	-	-	43	-	-	43	-	**0**	**0**
KR	-		-	6,204	92	776	-		-	**6,471**	**802**
TOTALS	**0**		**0**	**6,204**		**776**	**0**		**0**	**6,471**	**802**
										161,113	**27,219**

AVG TDS **124** MG/L

Water Quality Data Sources:

SWP - Table 32 of State Water Project Operations Data published monthly by State of California.

FK - 43 mg/l represents average of 10 samples collected by KCWA between Nov 94 and Feb 02 (range 19 mg/l to 112 mg/l).

KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

YEAR: **1998**

PROJECT/SOURCE	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)
BERRENDA MESA												
SWP	-	297	-	-	227	-	-	218	-	-	108	-
FK	-	20	-	412	20	11	1,505	20	41	857	20	23
KR	-	92	-	2,331	92	291	609	111	92	66	129	12
TOTALS	**0**		**0**	**2,743**		**303**	**2,114**		**133**	**923**		**35**
2800 ACRES												
SWP	1,631	297	658	-	227	-	-	218	-	-	108	-
FK	-	20	-	1,335	20	36	-	20	-	-	20	-
KR	2,539	92	317	12,949	92	1,619	10,965	111	1,654	8,495	129	1,489
TOTALS	**4,170**		**976**	**14,284**		**1,655**	**10,965**		**1,654**	**8,495**		**1,489**
KERN WATER BANK												
SWP	13,952	297	5,632	3,118	227	962	-	218	-	-	108	-
FK	-	20	-	10,259	20	279	24,391	20	663	5,717	20	155
KR	887	92	111	9,625	92	1,203	10,020	111	1,512	26,924	129	4,720
TOTALS	**14,839**		**5,743**	**23,002**		**2,444**	**34,411**		**2,175**	**32,641**		**4,876**
PIONEER PROPERTY												
SWP	2,677	297	1,081	-	227	-	-	218	-	-	108	-
FK	-	20	-	421	20	11	1,573	20	43	159	20	4
KR	-	92	-	5,018	92	627	4,055	111	612	5,037	129	883
TOTALS	**2,677**		**1,081**	**5,439**		**639**	**5,628**		**654**	**5,196**		**887**
KERN RIVER CHANNEL												
SWP	-	297	-	-	227	-	-	218	-	-	108	-
FK	-	20	-	-	20	-	-	20	-	-	20	-
KR	264	92	33	-	92	-	-	111	-	-	129	-
TOTALS	**264**		**33**	**0**		**0**	**0**		**0**	**0**		**0**

PROJECT/SOURCE	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)
BERRENDA MESA												
SWP	-	78	-	-	78	-	-	124	-	-	186	-
FK	-	20	-	-	20	-	424	20	12	-	20	-
KR	2,015	76	208	1,698	90	208	1,246	64	108	1,809	51	125
TOTALS	**2,015**		**208**	**1,698**		**208**	**1,670**		**120**	**1,809**		**125**
2800 ACRES												
SWP	-	78	-	-	78	-	-	124	-	-	186	-
FK	-	20	-	-	20	-	-	20	-	-	20	-
KR	-	76	-	-	90	-	6,271	64	545	-	51	-
TOTALS	**0**		**0**	**0**		**0**	**6,271**		**545**	**0**		**0**
KERN WATER BANK												
SWP	-	78	-	-	78	-	-	124	-	-	186	-
FK	-	20	-	-	20	-	9,404	20	256	-	20	-
KR	30,701	76	3,171	33,968	90	4,155	24,710	64	2,149	29,615	51	2,053
TOTALS	**30,701**		**3,171**	**33,968**		**4,155**	**34,114**		**2,405**	**29,615**		**2,053**
PIONEER PROPERTY												
SWP	-	78	-	-	78	-	-	124	-	-	186	-
FK	-	20	-	-	20	-	-	20	-	-	20	-
KR	8,452	76	873	7,456	90	912	7,073	64	615	5,826	51	404
TOTALS	**8,452**		**873**	**7,456**		**912**	**7,073**		**615**	**5,826**		**404**
KERN RIVER CHANNEL												
SWP	-	78	-	-	78	-	-	124	-	-	186	-
FK	-	20	-	-	20	-	-	20	-	-	20	-
KR	-	76	-	-	90	-	-	64	-	-	51	-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**

PROJECT/SOURCE	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA														
SWP	607	206	170	60	142	12	-	130	-	319	207	90	**986**	**271**
FK	-	20	-	-	20	-	-	15	-	1,034	15	21	**4,232**	**108**
KR	1,380	54	101	2,070	76	214	1,889	69	177	18	97	2	**15,131**	**1,539**
TOTALS	**1,987**		**271**	**2,130**		**225**	**1,889**		**177**	**1,371**		**113**	**20,349**	**1,918**
2800 ACRES														
SWP	-	206	-	986	142	190	-	130	-	30	207	8	**2,647**	**857**
FK	-	20	-	-	20	-	-	15	-	2,910	15	59	**4,245**	**96**
KR	-	54	-	4,471	76	462	3,137	69	294	678	97	89	**49,505**	**6,471**
TOTALS	**0**		**0**	**5,457**		**652**	**3,137**		**294**	**3,618**		**157**	**56,397**	**7,424**
KERN WATER BANK														
SWP	6,447	206	1,805	15,270	142	2,947	3,804	130	672	8,564	207	2,409	**51,155**	**14,427**
FK	-	20	-	-	20	-	-	15	-	5,477	15	112	**55,248**	**1,465**
KR	10,305	54	756	3,987	76	412	15,298	69	1,435	272	97	36	**196,312**	**21,713**
TOTALS	**16,752**		**2,561**	**19,257**		**3,359**	**19,102**		**2,107**	**14,313**		**2,557**	**302,715**	**37,604**
PIONEER PROPERTY														
SWP	1,644	206	460	1,989	142	384	43	130	8	1,293	207	364	**7,646**	**2,296**
FK	-	20	-	-	20	-	-	15	-	2,682	15	55	**4,835**	**113**
KR	4,836	54	355	3,961	76	409	4,797	69	450	123	97	16	**56,634**	**6,156**
TOTALS	**6,480**		**815**	**5,950**		**793**	**4,840**		**457**			**435**	**69,115**	**8,566**
KERN RIVER CHANNEL														
SWP	-	206	-	-	142	-	-	130	-	8	207	2	**8**	**2**
FK	-	20	-	-	20	-	-	15	-	600	15	12	**600**	**12**
KR	-	54	-	-	76	-	-	69	-	-	97	-	**264**	**33**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**608**		**14**	**872**	**47**
													449,448	**55,559**

AVG TDS 91 MG/L

Water Quality Data Sources:

SWP - Table 32 of State Water Project Operations Data published monthly by State of California.

FK - 20 mg/L value reported on Henry C. Garnett Water Purification Plant Annual Report. 15 mg/L value (Nov.) reported in Friant Kern Canal Total Dissolved Solids Data Tables, U.S. Bureau of Reclamation, Mid-Pacific Region.

KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

YEAR: **1999**

PROJECT/SOURCE	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)
BERRENDA MESA															
SWP	-	315	-	-	216	-	-	158	-	-	231	-	-	232	-
FK	401	15	8	198	33	9	-	33	-	-	33	-	-	36	-
KR	34	116	5	-	100	-	-	114	-	-	125	-	-	107	-
TOTALS	**435**		**14**	**198**		**9**	**0**		**0**	**0**		**0**	**0**		**0**
2800 ACRES															
SWP	-	315	-	-	216	-	-	158	-	-	231	-	-	232	-
FK	1,313	15	27	2,639	33	118	-	33	-	-	33	-	-	36	-
KR	650	116	102	2,093	100	284	-	114	-	-	125	-	-	107	-
TOTALS	**1,963**		**129**	**4,732**		**403**	**0**		**0**	**0**		**0**	**0**		**0**
KERN WATER BANK															
SWP	1,525	315	653	1,149	216	337	1,022	158	219	2,274	231	714	347	232	109
FK	3,002	15	61	7,561	33	339	-	33	-	-	33	-	-	36	-
KR	-	116	-	179	100	24	-	114	-	-	125	-	-	107	-
TOTALS	**4,527**		**714**	**8,889**		**701**	**1,022**		**219**	**2,274**		**714**	**347**		**109**
PIONEER PROPERTY															
SWP	-	315	-	-	216	-	-	158	-	-	231	-	-	232	-
FK	2,119	15	43	3,773	33	169	-	33	-	-	33	-	-	36	-
KR	-	116	-	1,104	100	150	-	114	-	-	125	-	-	107	-
TOTALS	**2,119**		**43**	**4,877**		**319**	**0**		**0**	**0**		**0**	**0**		**0**
KERN RIVER CHANNEL															
SWP	-	315	-	-	216	-	-	158	-	-	231	-	-	232	-
FK	160	15	3	-	33	-	-	33	-	-	33	-	-	36	-
KR	-	116	-	-	100	-	-	114	-	-	125	-	-	107	-
TOTALS	**160**		**3**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**

PROJECT/SOURCE	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA																							
SWP	-	228	-	-	199	-	-	153	-	-	164	-	-	258	-	-	242	-	-	291	-	**0**	**0**
FK	-	36	-	-	36	-	-	20	-	-	20	-	-	20	-	-	29	-	-	29	-	**599**	**17**
KR	-	95	-	-	76	-	-	66	-	-	95	-	-	111	-	-	105	-	-		-	**34**	**5**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**633**	**22**
2800 ACRES																							
SWP	-	228	-	-	199	-	-	153	-	-	164	-	2,073	258	727	1,495	242	492	-	291	-	**3,568**	**1,219**
FK	-	36	-	-	36	-	-	20	-	-	20	-	-	20	-	-	29	-	-	29	-	**3,952**	**145**
KR	-	95	-	-	76	-	-	66	-	-	95	-	-	111	-	-	105	-	-		-	**2,743**	**387**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**2,073**		**727**	**1,495**		**492**	**0**		**0**	**10,263**	**1,751**
KERN WATER BANK																							
SWP	-	228	-	-	199	-	-	153	-	-	164	-	5,758	258	2,019	10,780	242	3,545	3,156	291	1,248	**26,011**	**8,846**
FK	-	36	-	-	36	-	-	20	-	-	20	-	-	20	-	-	29	-	-	29	-	**10,563**	**400**
KR	-	95	-	-	76	-	-	66	-	-	95	-	-	111	-	-	105	-	-		-	**179**	**24**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**5,758**		**2,019**	**10,780**		**3,545**	**3,156**		**1,248**	**36,753**	**9,270**
PIONEER PROPERTY																							
SWP	-	228	-	-	199	-	-	153	-	-	164	-	2,890	258	1,013	2,206	242	726	1,640	291	649	**6,736**	**2,387**
FK	-	36	-	-	36	-	-	20	-	-	20	-	-	20	-	-	29	-	-	29	-	**5,892**	**212**
KR	-	95	-	-	76	-	-	66	-	-	95	-	-	111	-	-	105	-	-		-	**1,104**	**150**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**2,890**		**1,013**	**2,206**		**726**	**1,640**		**649**	**13,732**	**2,750**
KERN RIVER CHANNEL																							
SWP	-	228	-	-	199	-	-	153	-	-	164	-	-	258	-	-	242	-	-	291	-	**0**	**0**
FK	-	36	-	-	36	-	-	20	-	-	20	-	-	20	-	35	29	1	1,848	29	73	**2,043**	**77**
KR	-	95	-	-	76	-	-	66	-	-	95	-	-	111	-	-	105	-	-		-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**35**		**1**	**1,848**		**73**	**2,043**	**77**
																						63,424	**13,871**

AVG TDS **161** MG/L

Water Quality Data Sources:

SWP - Table 32 of State Water Project Operations Data published monthly by State of California.

FK - value taken from Friant Kern Canal Total Dissolved Solids Data Tables, U.S. Bureau of Reclamation, Mid-Pacific Region.

KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

YEAR: **2000**

PROJECT/SOURCE	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)
BERRENDA MESA												
SWP	-	295	-	-	250	-	-	187	-	-	206	-
FK	-	29	-	-	29	-	1,027	26	36	-	26	-
KR	-	119	-	-	117	-	-	144	-	-	105	-
TOTALS	**0**		**0**	**0**		**0**	**1,027**		**36**	**0**		**0**
2800 ACRES												
SWP	-	295	-	-	250	-	79	187	20	-	206	-
FK	-	29	-	-	29	-	16,958	26	599	968	26	34
KR	-	119	-	-	117	-	-	144	-	-	105	-
TOTALS	**0**		**0**	**0**		**0**	**17,037**		**619**	**968**		**34**
KERN WATER BANK												
SWP	224	295	90	4,896	250	1,664	14,002	187	3,559	-	206	-
FK	-	29	-	-	29	-	7,448	26	263	-	26	-
KR	-	119	-	-	117	-	-	144	-	-	105	-
TOTALS	**224**		**90**	**4,896**		**1,664**	**21,450**		**3,822**	**0**		**0**
PIONEER PROPERTY												
SWP	2	295	1	-	250	-	3,062	187	778	1,472	206	412
FK	-	29	-	-	29	-	3,288	26	116	127	26	4
KR	-	119	-	-	117	-	-	144	-	-	105	-
TOTALS	**2**		**1**	**0**		**0**	**6,350**		**894**	**1,599**		**417**
KERN RIVER CHANNEL												
SWP	-	295	-	-	250	-	-	187	-	-	206	-
FK	-	29	-	-	29	-	3,858	26	136	215	26	8
KR	-	119	-	-	117	-	-	144	-	-	105	-
TOTALS	**0**		**0**	**0**		**0**	**3,858**		**136**	**215**		**8**

PROJECT/SOURCE	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)
BERRENDA MESA												
SWP	-	239	-	-	239	-	-	189	-	-	213	-
FK	-	82	-	-	82	-	-	82	-	-	15	-
KR	-	99	-	-	79	-	-	65	-	-	74	-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
2800 ACRES												
SWP	179	239	58	-	239	-	-	189	-	-	213	-
FK	12,247	82	1,365	487	82	54	-	82	-	-	15	-
KR	-	99	-	-	79	-	-	65	-	-	74	-
TOTALS	**12,426**		**1,423**	**487**		**54**	**0**		**0**	**0**		**0**
KERN WATER BANK												
SWP	-	239	-	-	239	-	-	189	-	-	213	-
FK	676	82	75	-	82	-	-	82	-	-	15	-
KR	-	99	-	-	79	-	-	65	-	-	74	-
TOTALS	**676**		**75**	**0**		**0**	**0**		**0**	**0**		**0**
PIONEER PROPERTY												
SWP	1,053	239	342	-	239	-	-	189	-	-	213	-
FK	6,050	82	674	242	82	27	-	82	-	-	15	-
KR	-	99	-	-	79	-	-	65	-	-	74	-
TOTALS	**7,103**		**1,016**	**242**		**27**	**0**		**0**	**0**		**0**
KERN RIVER CHANNEL												
SWP	-	239	-	-	239	-	-	189	-	-	213	-
FK	-	82	-	-	82	-	-	82	-	-	15	-
KR	-	99	-	-	79	-	-	65	-	-	74	-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**

PROJECT/SOURCE	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA														
SWP	-	164	-	-	248	-	-	262	-	-	301	-	**0**	**0**
FK	-	15	-	-	15	-	-	16	-	-	16	-	**1,027**	**36**
KR	-	95	-	-	121	-	-	129	-	-	123	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**1,027**	**36**
2800 ACRES														
SWP	-	164	-	-	248	-	-	262	-	-	301	-	**258**	**78**
FK	-	15	-	-	15	-	-	16	-	-	16	-	**30,660**	**2,053**
KR	-	95	-	-	121	-	-	129	-	-	123	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**30,918**	**2,131**
KERN WATER BANK														
SWP	-	164	-	-	248	-	333	262	119	-	301	-	**19,455**	**5,430**
FK	-	15	-	-	15	-	-	16	-	-	16	-	**8,124**	**339**
KR	-	95	-	-	121	-	-	129	-	-	123	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**333**		**119**	**0**		**0**	**27,579**	**5,769**
PIONEER PROPERTY														
SWP	-	164	-	-	248	-	-	262	-	-	301	-	**5,589**	**1,533**
FK	-	15	-	-	15	-	-	16	-	-	16	-	**9,707**	**822**
KR	-	95	-	-	121	-	-	129	-	-	123	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**15,296**	**2,355**
KERN RIVER CHANNEL														
SWP	-	164	-	-	248	-	-	262	-	-	301	-	**0**	**0**
FK	-	15	-	-	15	-	-	16	-	-	16	-	**4,073**	**144**
KR	-	95	-	-	121	-	-	129	-	-	123	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**4,073**	**144**
													78,893	**10,435**

AVG TDS **97 MG/L**

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - value taken from Friant Kern Canal Total Dissolved Solids Data Tables, U.S. Bureau of Reclamation, Mid-Pacific Region.
KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

YEAR: **2001**

PROJECT/SOURCE	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)
BERRENDA MESA												
SWP	-	374	-	-	337	-	-	280	-	-	275	-
FK	-	16	-	-	29	-	-	29	-	-	29	-
KR	-		-	-		-	-	122	-	-		-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
2800 ACRES												
SWP	-	374	-	-	337	-	2,539	280	966	-	275	-
FK	-	16	-	-	29	-	-	29	-	-	29	-
KR	-		-	-		-	-	122	-	-		-
TOTALS	**0**		**0**	**0**		**0**	**2,539**		**966**	**0**		**0**
KERN WATER BANK												
SWP	-	374	-	-	337	-	10,030	280	3,817	-	275	-
FK	-	16	-	-	29	-	-	29	-	-	29	-
KR	-		-	-		-	-	122	-	-		-
TOTALS	**0**		**0**	**0**		**0**	**10,030**		**3,817**	**0**		**0**
PIONEER PROPERTY												
SWP	-	374	-	-	337	-	1,253	280	477	-	275	-
FK	-	16	-	-	29	-	-	29	-	-	29	-
KR	-		-	-		-	-	122	-	-		-
TOTALS	**0**		**0**	**0**		**0**	**1,253**		**477**	**0**		**0**
KERN RIVER CHANNEL												
SWP	-	374	-	-	337	-	139	280	53	-	275	-
FK	-	16	-	-	29	-	-	29	-	-	29	-
KR	-		-	-		-	-	122	-	-		-
TOTALS	**0**		**0**	**0**		**0**	**139**		**53**	**0**		**0**

PROJECT/SOURCE	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)
BERRENDA MESA												
SWP	-	239	-	-	227	-	-	291	-	-	245	-
FK	-	29	-	-	29	-	-	29	-	-	15	-
KR	-	94	-	-	72	-	-		-	-		-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
2800 ACRES												
SWP	-	239	-	-	227	-	-	291	-	-	245	-
FK	-	29	-	-	29	-	-	29	-	-	15	-
KR	-	94	-	-	72	-	-		-	-		-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
KERN WATER BANK												
SWP	-	239	-	-	227	-	-	291	-	-	245	-
FK	-	29	-	-	29	-	-	29	-	-	15	-
KR	-	94	-	-	72	-	-		-	-		-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
PIONEER PROPERTY												
SWP	-	239	-	-	227	-	-	291	-	-	245	-
FK	-	29	-	-	29	-	-	29	-	-	15	-
KR	-	94	-	-	72	-	-		-	-		-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
KERN RIVER CHANNEL												
SWP	-	239	-	-	227	-	-	291	-	-	245	-
FK	-	29	-	-	29	-	-	29	-	-	15	-
KR	-	94	-	-	72	-	-		-	-		-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**

PROJECT/SOURCE	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA														
SWP	-	323	-	-	365	-	-	333	-	-	310	-	**0**	**0**
FK	-	15	-	-	15	-	-	30	-	-	30	-	**0**	**0**
KR	-		-	-		-	-	92	-	-	92	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**
2800 ACRES														
SWP	-	323	-	-	365	-	-	333	-	-	310	-	**2,539**	**966**
FK	-	15	-	-	15	-	-	30	-	-	30	-	**0**	**0**
KR	-		-	-		-	-	92	-	-	92	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**2,539**	**966**
KERN WATER BANK														
SWP	-	323	-	-	365	-	-	333	-	-	310	-	**10,030**	**3,817**
FK	-	15	-	-	15	-	-	30	-	-	30	-	**0**	**0**
KR	-		-	-		-	-	92	-	-	92	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**10,030**	**3,817**
PIONEER PROPERTY														
SWP	-	323	-	-	365	-	-	333	-	-	310	-	**1,253**	**477**
FK	-	15	-	-	15	-	-	30	-	-	30	-	**0**	**0**
KR	-		-	-		-	-	92	-	-	92	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**1,253**	**477**
KERN RIVER CHANNEL														
SWP	-	323	-	-	365	-	-	333	-	-	310	-	**139**	**53**
FK	-	15	-	1,262	15	26	-	30	-	-	30	-	**1,262**	**26**
KR	-		-	-		-	8	92	1	805	92	101	**813**	**102**
TOTALS	**0**		**0**	**1,262**		**26**	**8**		**1**	**805**		**101**	**2,214**	**180** AVG TDS
													16,036	**5,440** **250 MG/L**

Water Quality Data Sources:

SWP - Table 32 of State Water Project Operations Data published monthly by State of California.

FK - value taken from Friant Kern Canal Total Dissolved Solids Data Tables, U.S. Bureau of Reclamation, Mid-Pacific Region.

KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

YEAR: **2002**

PROJECT/SOURCE	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)
BERRENDA MESA												
SWP	-	273	-	-	237	-	-	290	-	-	287	-
FK	-	30	-	-	30	-	-	30	-	-	30	-
KR	-	127	-	-	153	-	-	118	-	-	124	-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
2800 ACRES												
SWP	-	273	-	-	237	-	929	290	366	551	287	215
FK	-	30	-	-	30	-	-	30	-	-	30	-
KR	-	127	-	-	153	-	-	118	-	-	124	-
TOTALS	**0**		**0**	**0**		**0**	**929**		**366**	**551**		**215**
KERN WATER BANK												
SWP	7,059	273	2,619	-	237	-	3,039	290	1,198	3,341	287	1,303
FK	-	30	-	-	30	-	-	30	-	-	30	-
KR	-	127	-	-	153	-	-	118	-	-	124	-
TOTALS	**7,059**		**2,619**	**0**		**0**	**3,039**		**1,198**	**3,341**		**1,303**
PIONEER PROPERTY												
SWP	-	273	-	-	237	-	506	290	199	928	287	362
FK	-	30	-	-	30	-	-	30	-	-	30	-
KR	-	127	-	-	153	-	-	118	-	-	124	-
TOTALS	**0**		**0**	**0**		**0**	**506**		**199**	**928**		**362**
KERN RIVER CHANNEL												
SWP	-	273	-	-	237	-	-	290	-	-	287	-
FK	-	30	-	-	30	-	-	30	-	-	30	-
KR	1,038	127	179	1,267	153	263	-	118	-	-	124	-
TOTALS	**1,038**		**179**	**1,267**		**263**	**0**		**0**	**0**		**0**

PROJECT/SOURCE	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)
BERRENDA MESA												
SWP	-	316	-	-	295	-	-	245	-	-	309	-
FK	-	38	-	-	38	-	-	38	-	-	22	-
KR	-	100	-	-		-	-		-	-	91	-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
2800 ACRES												
SWP	-	316	-	-	295	-	-	245	-	-	309	-
FK	-	38	-	-	38	-	-	38	-	-	22	-
KR	-	100	-	-		-	-		-	-	91	-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
KERN WATER BANK												
SWP	-	316	-	-	295	-	-	245	-	-	309	-
FK	-	38	-	-	38	-	-	38	-	-	22	-
KR	-	100	-	-		-	-		-	-	91	-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
PIONEER PROPERTY												
SWP	-	316	-	-	295	-	-	245	-	-	309	-
FK	-	38	-	-	38	-	-	38	-	-	22	-
KR	-	100	-	-		-	-		-	-	91	-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
KERN RIVER CHANNEL												
SWP	-	316	-	-	295	-	-	245	-	-	309	-
FK	-	38	-	-	38	-	-	38	-	-	22	-
KR	-	100	-	-		-	-		-	-	91	-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**

PROJECT/SOURCE	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA														
SWP	-	309	-	-	412	-	-	412	-	-	355	-	**0**	**0**
FK	-	22	-	-	22	-	-	30	-	-	30	-	**0**	**0**
KR	-	132	-	-	120	-	-		-	-		-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**
2800 ACRES														
SWP	-	309	-	-	412	-	-	412	-	-	355	-	**1,480**	**581**
FK	-	22	-	-	22	-	-	30	-	-	30	-	**0**	**0**
KR	-	132	-	-	120	-	-		-	-		-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**1,480**	**581**
KERN WATER BANK														
SWP	-	309	-	-	412	-	-	412	-	-	355	-	**13,439**	**5,120**
FK	-	22	-	-	22	-	-	30	-	-	30	-	**0**	**0**
KR	-	132	-	-	120	-	-		-	-		-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**13,439**	**5,120**
PIONEER PROPERTY														
SWP	-	309	-	-	412	-	-	412	-	-	355	-	**1,434**	**561**
FK	-	22	-	-	22	-	-	30	-	-	30	-	**0**	**0**
KR	-	132	-	-	120	-	-		-	-		-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**1,434**	**561**
KERN RIVER CHANNEL														
SWP	-	309	-	-	412	-	-	412	-	-	355	-	**0**	**0**
FK	-	22	-	-	22	-	-	30	-	-	30	-	**0**	**0**
KR	-	132	-	-	120	-	-		-	-		-	**2,305**	**443**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**2,305**	**443**
													18,658	**6,705**

AVG TDS **264 MG/L**

Water Quality Data Sources:
- SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
- FK - value taken from Friant Kern Canal Total Dissolved Solids Data Tables, U.S. Bureau of Reclamation, Mid-Pacific Region.
- KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

YEAR: **2003**

PROJECT/SOURCE	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)
BERRENDA MESA															
SWP	-	306	-	-	273	-	419	231	132	-	242	-	-	316	-
FK	-	30	-	-	33	-	-	33	-	-	33	-	-	19	-
KR	-	133	-	-	117	-	-	122	-	-	128	-	-	109	-
TOTALS	**0**		**0**	**0**		**0**	**419**		**132**	**0**		**0**	**0**		**0**
2800 ACRES															
SWP	-	306	-	-	273	-	589	231	185	71	242	23	-	316	-
FK	-	30	-	-	33	-	-	33	-	-	33	-	787	19	20
KR	-	133	-	-	117	-	-	122	-	-	128	-	-	109	-
TOTALS	**0**		**0**	**0**		**0**	**589**		**185**	**71**		**23**	**787**		**20**
KERN WATER BANK															
SWP	-	306	-	-	273	-	4,632	231	1,454	-	242	-	-	316	-
FK	-	30	-	-	33	-	-	33	-	-	33	-	-	19	-
KR	-	133	-	-	117	-	-	122	-	-	128	-	-	109	-
TOTALS	**0**		**0**	**0**		**0**	**4,632**		**1,454**	**0**		**0**	**0**		**0**
PIONEER PROPERTY															
SWP	-	306	-	-	273	-	611	231	192	6	242	2	-	316	-
FK	-	30	-	-	33	-	-	33	-	-	33	-	-	19	-
KR	-	133	-	-	117	-	-	122	-	-	128	-	-	109	-
TOTALS	**0**		**0**	**0**		**0**	**611**		**192**	**6**		**2**	**0**		**0**
KERN RIVER CHANNEL															
SWP	-	306	-	-	273	-	398	231	125	-	242	-	-	316	-
FK	-	30	-	-	33	-	-	33	-	828	33	37	7,252	19	187
KR	-	133	-	169	117	27	-	122	-	-	128	-	-	109	-
TOTALS	**0**		**0**	**169**		**27**	**398**		**125**	**828**		**37**	**7,252**		**187**

PROJECT/SOURCE	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)
BERRENDA MESA												
SWP	-	167	-	-	231	-	-	178	-	-	175	-
FK	-	19	-	-	19	-	-	29	-	-	29	-
KR	-	85	-	-		-	-		-	-		-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
2800 ACRES												
SWP	-	167	-	-	231	-	-	178	-	-	175	-
FK	-	19	-	-	19	-	-	29	-	-	29	-
KR	-	85	-	-		-	-		-	-		-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
KERN WATER BANK												
SWP	-	167	-	-	231	-	-	178	-	-	175	-
FK	-	19	-	-	19	-	-	29	-	-	29	-
KR	-	85	-	-		-	-		-	-		-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
PIONEER PROPERTY												
SWP	-	167	-	-	231	-	-	178	-	-	175	-
FK	-	19	-	-	19	-	-	29	-	-	29	-
KR	-	85	-	-		-	-		-	-		-
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**
KERN RIVER CHANNEL												
SWP	-	167	-	-	231	-	-	178	-	-	175	-
FK	239	19	6	-	19	-	-	29	-	-	29	-
KR	-	85	-	-		-	-		-	-		-
TOTALS	**239**		**6**	**0**		**0**	**0**		**0**	**0**		**0**

PROJECT/SOURCE	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)	
BERRENDA MESA												
SWP	-	273	-	-	303	-	300	384	157	**719**	**288**	
FK	-	29	-	-	26	-	-	26	-	**0**	**0**	
KR	-		-	-		-	-	92	-	**0**	**0**	
TOTALS	**0**		**0**	**0**		**0**	**300**		**157**	**719**	**288**	
2800 ACRES												
SWP	-	273	-	-	303	-	341	384	178	**1,001**	**386**	
FK	-	29	-	-	26	-	-	26	-	**787**	**20**	
KR	-		-	-		-	-	92	-	**0**	**0**	
TOTALS	**0**		**0**	**0**		**0**	**341**		**178**	**1,788**	**407**	
KERN WATER BANK												
SWP	2,413	273	895	16,789	303	6,914	16,540	384	8,632	**40,374**	**17,895**	
FK	-	29	-	-	26	-	-	26	-	**0**	**0**	
KR	-		-	-		-	-	92	-	**0**	**0**	
TOTALS	**2,413**		**895**	**16,789**		**6,914**	**16,540**		**8,632**	**40,374**	**17,895**	
PIONEER PROPERTY												
SWP	1,277	273	474	2,521	303	1,038	3,957	384	2,065	**8,372**	**3,771**	
FK	-	29	-	-	26	-	-	26	-	**0**	**0**	
KR	-		-	-		-	-	92	-	**0**	**0**	
TOTALS	**1,277**		**474**	**2,521**		**1,038**	**3,957**		**2,065**	**8,372**	**3,771**	
KERN RIVER CHANNEL												
SWP	-	273	-	6,002	303	2,472	6,740	384	3,517	**13,140**	**6,114**	
FK	-	29	-	-	26	-	-	26	-	**8,319**	**231**	
KR	-		-	-		-	2,813	92	352	**2,982**	**379**	
TOTALS	**0**		**0**	**6,002**		**2,472**	**9,553**		**3,869**	**24,441**	**6,723**	AVG TDS
										75,694	**29,084**	**283 MG/L**

Water Quality Data Sources: SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - value taken from Friant Kern Canal Total Dissolved Solids Data Tables, U.S. Bureau of Reclamation, Mid-Pacific Region.
KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

YEAR: **2004**

PROJECT/SOURCE	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)	
BERRENDA MESA																																							
SWP	343	306	143	-	238	-	2,529	265	911	-	210	-	-	275	-	-	261	-	-	158	-	-	208	-	-	234	-	-	292	-	-	317	-	-	284	-	**2,872**	**1,053**	
FK	-	26	-	-	26	-	-	26	-	-	26	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	-	20	-	-	17	-	-	17	-	**0**	**0**	
KR	-	92	-	-		-	-		-	-	101	-	-	82	-	-	72	-	-	84	-	-	79	-	-	116	-	-	99	-	-		-	-		-	**0**	**0**	
TOTALS	**343**		**143**	**0**		**0**	**2,529**		**911**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**2,872**	**1,053**	
2800 ACRES																																							
SWP	50	306	21	797	238	258	6,109	265	2,200	-	210	-	-	275	-	-	261	-	-	158	-	-	208	-	-	234	-	-	292	-	-	317	-	-	284	-	**6,956**	**2,479**	
FK	-	26	-	-	26	-	-	26	-	-	26	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	-	20	-	-	17	-	-	17	-	**0**	**0**	
KR	-	92	-	-		-	-		-	-	101	-	-	82	-	-	72	-	-	84	-	-	79	-	-	116	-	-	99	-	-		-	-		-	**0**	**0**	
TOTALS	**50**		**21**	**797**		**258**	**6,109**		**2,200**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**6,956**	**2,479**	
KERN WATER BANK																																							
SWP	-	306	-	1,914	238	619	16,151	265	5,817	-	210	-	-	275	-	-	261	-	-	158	-	-	208	-	-	234	-	-	292	-	-	317	-	-	284	-	**18,065**	**6,436**	
FK	-	26	-	-	26	-	-	26	-	-	26	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	-	20	-	-	17	-	-	17	-	**0**	**0**	
KR	-	92	-	-		-	-		-	-	101	-	-	82	-	-	72	-	-	84	-	-	79	-	-	116	-	-	99	-	-		-	-		-	**0**	**0**	
TOTALS	**0**		**0**	**1,914**		**619**	**16,151**		**5,817**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**18,065**	**6,436**	
PIONEER PROPERTY																																							
SWP	1,696	306	705	559	238	181	4,556	265	1,641	-	210	-	-	275	-	-	261	-	-	158	-	-	208	-	-	234	-	-	292	-	-	317	-	-	284	-	**6,811**	**2,527**	
FK	-	26	-	-	26	-	-	26	-	-	26	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	-	20	-	-	17	-	-	17	-	**0**	**0**	
KR	-	92	-	-		-	-		-	-	101	-	-	82	-	-	72	-	-	84	-	-	79	-	-	116	-	-	99	-	-		-	-		-	**0**	**0**	
TOTALS	**1,696**		**705**	**559**		**181**	**4,556**		**1,641**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**6,811**	**2,527**	
KERN RIVER CHANNEL																																							
SWP	-	306	-	-	238	-	24	265	9	-	210	-	-	275	-	-	261	-	-	158	-	-	208	-	-	234	-	-	292	-	-	317	-	-	284	-	**24**	**9**	
FK	-	26	-	-	26	-	-	26	-	-	26	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	-	20	-	-	17	-	-	17	-	**0**	**0**	
KR	1,839	92	230	-		-	-		-	-	101	-	-	82	-	-	72	-	-	84	-	-	79	-	-	116	-	-	99	-	-		-	-		-	**1,839**	**230**	
TOTALS	**1,839**		**230**	**0**		**0**	**24**		**9**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**1,863**	**239**	AVG TDS
																																					36,567	**12,734**	**256 MG/L**

Water Quality Data Sources:
- SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
- FK - value taken from Friant Kern Canal Total Dissolved Solids Data Tables, U.S. Bureau of Reclamation, Mid-Pacific Region.
- KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

YEAR: **2005**

PROJECT/SOURCE	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)
BERRENDA MESA												
SWP	1,057	343	493	3,077	306	1,280	589	311	249	169	186	43
FK	-	17	-	1,158	26	41	3,539	26	125	3,636	26	128
KR	-	92	-	-	139	-	-	132	-	-	121	-
TOTALS	**1,057**		**493**	**4,235**		**1,321**	**4,128**		**374**	**3,805**		**171**
2800 ACRES												
SWP	5,238	343	2,442	10,358	306	4,308	11,189	311	4,729	9,384	186	2,372
FK	5,244	17	121	11,977	26	423	2,581	26	91	5,572	26	197
KR	133	92	17	-	139	-	-	132	-	-	121	-
TOTALS	**10,615**		**2,580**	**22,335**		**4,731**	**13,770**		**4,820**	**14,956**		**2,569**
KERN WATER BANK												
SWP	29,486	343	13,745	39,919	306	16,601	50,106	311	21,178	49,900	186	12,614
FK	-	17	-	545	26	19	6,446	26	228	9,891	26	350
KR	-	92	-	-	139	-	-	132	-	-	121	-
TOTALS	**29,486**		**13,745**	**40,464**		**16,621**	**56,552**		**21,406**	**59,791**		**12,964**
PIONEER PROPERTY												
SWP	3,291	343	1,534	6,910	306	2,874	4,106	311	1,735	5,763	186	1,457
FK	20	17	0	4,334	26	153	9,832	26	347	8,537	26	302
KR	-	92	-	-	139	-	-	132	-	1,281	121	211
TOTALS	**3,311**		**1,535**	**11,244**		**3,027**	**13,938**		**2,083**	**15,581**		**1,969**
KERN RIVER CHANNEL												
SWP	-	343	-	-	306	-	-	311	-	-	186	-
FK	4,852	17	112	10,642	26	376	599	26	21	2,416	26	85
KR	454	92	57	-	139	-	-	132	-	-	121	-
TOTALS	**5,306**		**169**	**10,642**		**376**	**599**		**21**	**2,416**		**85**

PROJECT/SOURCE	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)
BERRENDA MESA												
SWP	329	245	110	391	161	86	1,031	203	284	268	209	76
FK	3,483	24	114	636	24	21	512	24	17	1,434	24	47
KR	22	86	3	1,577	61	131	1,720	70	164	1,460	61	121
TOTALS	**3,834**		**226**	**2,604**		**237**	**3,263**		**465**	**3,162**		**244**
2800 ACRES												
SWP	-	245	-	-	161	-	1,974	203	545	9,051	209	2,571
FK	13,710	24	447	-	24	-	-	24	-	579	24	19
KR	-	86	-	-	61	-	-	70	-	2,390	61	198
TOTALS	**13,710**		**447**	**0**		**0**	**1,974**		**545**	**12,020**		**2,788**
KERN WATER BANK												
SWP	14,278	245	4,754	30,897	161	6,761	234	203	65	11,025	209	3,132
FK	28,099	24	917	5,734	24	187	301	24	10	-	24	-
KR	-	86	-	900	61	75	-	70	-	-	61	-
TOTALS	**42,377**		**5,671**	**37,531**		**7,022**	**535**		**74**	**11,025**		**3,132**
PIONEER PROPERTY												
SWP	474	245	158	1,316	161	288	2,364	203	652	2,862	209	813
FK	8,758	24	286	421	24	14	236	24	8	2,793	24	91
KR	1,973	86	231	8,288	61	687	6,666	70	634	4,808	61	399
TOTALS	**11,205**		**674**	**10,025**		**989**	**9,266**		**1,294**	**10,463**		**1,303**
KERN RIVER CHANNEL												
SWP	-	245	-	-	161	-	-	203	-	-	209	-
FK	5,210	24	170	-	24	-	-	24	-	83	24	3
KR	2,055	86	240	170	61	14	467	70	44	535	61	44
TOTALS	**7,265**		**410**	**170**		**14**	**467**		**44**	**618**		**47**

PROJECT/SOURCE	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA														
SWP	293	229	91	709	204	197	401	230	125	2,112	329	944	**10,426**	**3,977**
FK	1,139	24	37	-	24	-	-	28	-	-	28	-	**15,537**	**529**
KR	1,500	63	128	2,113	67	192	541	77	57	-	92	-	**8,933**	**795**
TOTALS	**2,932**		**257**	**2,822**		**389**	**942**		**182**	**2,112**		**944**	**34,896**	**5,302**
2800 ACRES														
SWP	8,743	229	2,721	8,142	204	2,257	7,611	230	2,379	5,512	329	2,465	**77,202**	**26,788**
FK	1,541	24	50	-	24	-	-	28	-	-	28	-	**41,204**	**1,349**
KR	833	63	71	1,648	67	150	-	77	-	-	92	-	**5,004**	**436**
TOTALS	**11,117**		**2,843**	**9,790**		**2,407**	**7,611**		**2,379**	**5,512**		**2,465**	**123,410**	**28,573**
KERN WATER BANK														
SWP	25,520	229	7,943	32,256	204	8,943	21,818	230	6,820	21,979	329	9,828	**327,418**	**112,383**
FK	4,692	24	153	3,531	24	115	-	28	-	-	28	-	**59,239**	**1,978**
KR	-	63	-	-	67	-	-	77	-	-	92	-	**900**	**75**
TOTALS	**30,212**		**8,096**	**35,787**		**9,058**	**21,818**		**6,820**	**21,979**		**9,828**	**387,557**	**114,436**
PIONEER PROPERTY														
SWP	4,114	229	1,280	3,593	204	996	6,358	230	1,987	5,970	329	2,669	**47,121**	**16,444**
FK	1,476	24	48	-	24	-	-	28	-	-	28	-	**36,407**	**1,249**
KR	2,843	63	243	1,641	67	149	171	77	18	-	92	-	**27,671**	**2,572**
TOTALS	**8,433**		**1,572**	**5,234**		**1,146**	**6,529**		**2,005**	**5,970**		**2,669**	**111,199**	**20,265**
KERN RIVER CHANNEL														
SWP	-	229	-	50	204	14	978	230	306	99	329	44	**1,127**	**364**
FK	90	24	3	-	24	-	-	28	-	-	28	-	**23,892**	**770**
KR	89	63	8	705	67	64	235	77	25	268	92	34	**4,978**	**530**
TOTALS	**179**		**11**	**755**		**78**	**1,213**		**330**	**367**		**78**	**29,997**	**1,664**
													687,059	**170,241**

AVG TDS **182 MG/L**

Water Quality Data Sources:
- SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
- FK - value taken from Friant Kern Canal Total Dissolved Solids Data Tables, U.S. Bureau of Reclamation, Mid-Pacific Region.
- KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

YEAR: **2006**

PROJECT/SOURCE	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)
BERRENDA MESA															
SWP	737	171	171	2,267	203	625	1,838	178	445	-	148	-	-	151	-
FK	1,097	28	42	-	28	-	524	28	20	1,799	28	68	-	12	-
KR	638	92	80	-	95	-	-	98	-	109	104	15	2,158	74	217
TOTALS	**2,472**		**293**	**2,267**		**625**	**2,362**		**465**	**1,908**		**84**	**2,158**		**217**
2800 ACRES															
SWP	1,458	171	339	5,456	203	1,505	4,659	178	1,127	-	148	-	-	151	-
FK	2,187	28	83	-	28	-	960	28	37	367	28	14	-	12	-
KR	-	92	-	-	95	-	-	98	-	-	104	-	-	74	-
TOTALS	**3,645**		**422**	**5,456**		**1,505**	**5,619**		**1,164**	**367**		**14**	**0**		**0**
KERN WATER BANK															
SWP	13,084	171	3,041	27,903	203	7,698	24,527	178	5,933	1,732	148	348	-	151	-
FK	14,325	28	545	-	28	-	2,879	28	110	23,040	28	877	-	12	-
KR	6,282	92	785	-	95	-	-	98	-	526	104	74	29,088	74	2,925
TOTALS	**33,691**		**4,371**	**27,903**		**7,698**	**27,406**		**6,043**	**25,298**		**1,299**	**29,088**		**2,925**
PIONEER PROPERTY															
SWP	1,945	171	452	5,374	203	1,483	3,898	178	943	-	148	-	-	151	-
FK	3,602	28	137	-	28	-	770	28	29	4,929	28	188	-	12	-
KR	-	92	-	-	95	-	-	98	-	215	104	30	6,387	74	642
TOTALS	**5,547**		**589**	**5,374**		**1,483**	**4,668**		**972**	**5,144**		**218**	**6,387**		**642**
KERN RIVER CHANNEL															
SWP	-	171	-	-	203	-	-	178	-	-	148	-	-	151	-
FK	289	28	11	-	28	-	-	28	-	-	28	-	-	12	-
KR	167	92	21	-	95	-	-	98	-	-	104	-	-	74	-
TOTALS	**456**		**32**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**

PROJECT/SOURCE	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)
BERRENDA MESA															
SWP	-	118	-	433	198	117	453	159	98	1,985	154	415	2,198	160	478
FK	-	12	-	-	12	-	-	23	-	-	23	-	-	23	-
KR	1,868	43	109	1,515	43	89	1,732	55	129	-	92	-	-	96	-
TOTALS	**1,868**		**109**	**1,948**		**205**	**2,185**		**227**	**1,985**		**415**	**2,198**		**478**
2800 ACRES															
SWP	-	118	-	3,546	198	954	5,289	159	1,143	5,250	154	1,099	4,457	160	969
FK	-	12	-	-	12	-	-	23	-	-	23	-	-	23	-
KR	1,484	43	87	3,507	43	205	1,694	55	127	-	92	-	-	96	-
TOTALS	**1,484**		**87**	**7,053**		**1,159**	**6,983**		**1,270**	**5,250**		**1,099**	**4,457**		**969**
KERN WATER BANK															
SWP	2,114	118	339	16,243	198	4,371	18,972	159	4,100	20,077	154	4,202	19,646	160	4,272
FK	-	12	-	-	12	-	-	23	-	-	23	-	-	23	-
KR	22,609	43	1,321	4,911	43	287	1,097	55	82	411	92	51	-	96	-
TOTALS	**24,723**		**1,660**	**21,154**		**4,658**	**20,069**		**4,182**	**20,488**		**4,253**	**19,646**		**4,272**
PIONEER PROPERTY															
SWP	-	118	-	955	198	257	4,708	159	1,017	3,561	154	745	3,186	160	693
FK	-	12	-	-	12	-	-	23	-	-	23	-	-	23	-
KR	5,855	43	342	3,635	43	212	821	55	61	-	92	-	-	96	-
TOTALS	**5,855**		**342**	**4,590**		**469**	**5,529**		**1,079**	**3,561**		**745**	**3,186**		**693**
KERN RIVER CHANNEL															
SWP	-	118	-	-	198	-	-	159	-	-	154	-	-	160	-
FK	-	12	-	-	12	-	-	23	-	-	23	-	-	23	-
KR	-	43	-	369	43	22	-	55	-	-	92	-	-	96	-
TOTALS	**0**		**0**	**369**		**22**	**0**		**0**	**0**		**0**	**0**		**0**

PROJECT/SOURCE	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)	
BERRENDA MESA									
SWP	2,486	167	564	2,392	269	874	**14,789**	**3,788**	
FK	-	23	-	-	23	-	**3,420**	**130**	
KR	-		-	-		-	**8,020**	**639**	
TOTALS	**2,486**		**564**	**2,392**		**874**	**26,229**	**4,557**	
2800 ACRES									
SWP	5,123	167	1,163	5,059	269	1,850	**40,297**	**10,149**	
FK	-	23	-	-	23	-	**3,514**	**134**	
KR	-		-	285		-	**6,970**	**418**	
TOTALS	**5,123**		**1,163**	**5,344**		**1,850**	**50,781**	**10,701**	
KERN WATER BANK									
SWP	17,037	167	3,867	16,730	269	6,116	**178,065**	**44,288**	
FK	-	23	-	-	23	-	**40,244**	**1,531**	
KR	-		-	-		-	**64,924**	**5,527**	
TOTALS	**17,037**		**3,867**	**16,730**		**6,116**	**283,233**	**51,346**	
PIONEER PROPERTY									
SWP	5,307	167	1,205	6,080	269	2,223	**35,014**	**9,017**	
FK	-	23	-	-	23	-	**9,301**	**354**	
KR	-		-	-		-	**16,913**	**1,289**	
TOTALS	**5,307**		**1,205**	**6,080**		**2,223**	**61,228**	**10,660**	
KERN RIVER CHANNEL									
SWP	-	167	-	-	269	-	**0**	**0**	
FK	-	23	-	-	23	-	**289**	**11**	
KR	-		-	-		-	**536**	**42**	
TOTALS	**0**		**0**	**0**		**0**	**825**	**53**	AVG TDS
							422,296	**77,318**	**135 MG/L**

Water Quality Data Sources:
- SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
- FK - value taken from Friant Kern Canal Total Dissolved Solids Data Tables, U.S. Bureau of Reclamation, Mid-Pacific Region.
- KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

State Water Project
California Aqueduct Near Highway 119 (Check 29)
Water Quality - Total Dissolved Solids (TDS) (1)

Year	Month	TDS (mg/l)	Year	Month	TDS (mg/l)	Year	Month	TDS (mg/l)	Year	Month	TDS (mg/l)	Year	Month	TDS (mg/l)
1990	Jan	382	1993	Jan	499	1996	Jan	284	1999	Jan	315	2002	Jan	273
	Feb	369		Feb	472		Feb	251		Feb	216		Feb	237
	Mar	306		Mar	470		Mar	236		Mar	158		Mar	290
	Apr	335		Apr	441		Apr	211		Apr	231		Apr	287
	May	355		May	326		May	265		May	232		May	316
	Jun	343		Jun	346		Jun	260		Jun	228		Jun	295
	Jul	338		Jul	334		Jul	214		Jul	199		Jul	245
	Aug	319		Aug	339		Aug	197		Aug	153		Aug	309
	Sep	280		Sep	174		Sep	146		Sep	164		Sep	309
	Oct	310		Oct	206		Oct	152		Oct	258		Oct	412
	Nov	357		Nov	214		Nov	195		Nov	242		Nov	412
	Dec	438		Dec	311		Dec	266		Dec	291		Dec	355
1991	Jan	469	1994	Jan	297	1997	Jan (2)	66	2000	Jan	295	2003	Jan	306
	Feb	448		Feb	328		Feb (2)	88		Feb	250		Feb	273
	Mar	433		Mar	363		Mar	147		Mar	187		Mar	231
	Apr	382		Apr	357		Apr	225		Apr	206		Apr	242
	May	No Rec.		May	340		May	227		May	239		May	316
	Jun	361		Jun	339		Jun	219		Jun	239		Jun	167
	Jul	363		Jul	333		Jul	210		Jul	189		Jul	231
	Aug	359		Aug	310		Aug	224		Aug	213		Aug	178
	Sep	326		Sep	395		Sep	154		Sep	164		Sep	175
	Oct	329		Oct	479		Oct	180		Oct	248		Oct	273
	Nov	329		Nov	480		Nov	331		Nov	262		Nov	303
	Dec	356		Dec	427		Dec	293		Dec	301		Dec	384
1992	Jan	439	1995	Jan	417	1998	Jan	297	2001	Jan	374	2004	Jan	306
	Feb	485		Feb	219		Feb	227		Feb	337		Feb	238
	Mar	563		Mar	263		Mar	218		Mar	280		Mar	265
	Apr	358		Apr	274		Apr (2)	108		Apr	275		Apr	210
	May	366		May	144		May (2)	78		May	239		May	275
	Jun	353		Jun	152		Jun (2)	78		Jun	227		Jun	261
	Jul	377		Jul	158		Jul (2)	124		Jul	291		Jul	199
	Aug	410		Aug	178		Aug	186		Aug	245		Aug	208
	Sep	361		Sep	165		Sep	206		Sep	323		Sep	234
	Oct	337		Oct	141		Oct	142		Oct	365		Oct	292
	Nov	464		Nov	160		Nov	130		Nov	333		Nov	317
	Dec	456		Dec	270		Dec	207		Dec	310		Dec	284
2005	Jan	343	2006	Jan	171									
	Feb	306		Feb	203									
	Mar	311		Mar	178									
	Apr	186		Apr	148									
	May	245		May	151									
	Jun	161		Jun	118									
	Jul	203		Jul	198									
	Aug	209		Aug	159									
	Sep	229		Sep	154									
	Oct	204		Oct	160									
	Nov	230		Nov	167									
	Dec	329		Dec	269									

Notes:
1. Source of data: Table 32 of State Water Project Operations Data published monthly by State of California, Department of Water Resources, Division of Operations and Maintenance.
2. Kern River Intertie opened to divert Kern River and Friant-Kern floodwaters into California Aqueduct.

Kern Fan Monitoring Committee
2800 Acres
Recovery Summary and Solids Content

Year: **2001-2006**

WELL	2001	2002	2003	2004	2005	2006	TOTAL	TDS (mg/l)	Salt/Solids Recovered (tons)	TDS (tons/af)
KCWA 1	1,757	571	0	996	252	0	3,576	250	1,215	0.34
KCWA 2	1,763	677	0	0	0	0	2,440	170	564	0.23
KCWA 3	1,894	0	22	918	242	0	3,076	200	836	0.27
KCWA 4	1,761	1,093	278	1,019	260	0	4,411	150	899	0.20
KCWA 5	1,815	604	0	586	170	0	3,175	150	647	0.20
KCWA 7	1,884	1,115	268	0	0	0	3,267	210	932	0.29
KCWA 8	2,163	1,049	278	0	0	0	3,490	290	1,376	0.39
KCWA 9	1,884	1,089	278	1,012	174	0	4,437	210	1,266	0.29
KCWA 10	1,787	708	247	0	0	0	2,742	280	1,043	0.38
Olcese 1	2,210	2,156	329	658	0	0	5,353	210	1,528	0.29
Olcese 2	2,277	2,288	386	857	0	0	5,808	170	1,342	0.23
Olcese 3	2,291	2,203	394	1,890	0	0	6,778	200	1,842	0.27
Olcese 4	2,758	2,465	439	1,947	0	0	7,609	200	2,068	0.27
Olcese 5	2,741	2,701	2,055	2,117	0	0	9,615	220	2,875	0.30
Olcese 6	2,581	2,286	2,097	2,006	0	0	8,970	200	2,438	0.27
Olcese 7	2,404	2,161	2,038	1,815	0	0	8,418	210	2,403	0.29
Olcese 8	2,301	1,428	1,070	1,977	0	0	6,776	160	1,473	0.22
TOTAL	36,271	24,594	10,179	17,798	1,098	0	89,940	---	24,748	0.28
	TDS (tons/af) of recharged water*									0.20
	ratio of salt removed/salt loaded									1.4

Kern Fan Monitoring Committee
Berrenda Mesa Project
Recovery Summary and Solids Content

Year: **2001-2006**

WELL	2001	2002	2003	2004	2005	2006	TOTAL	TDS (mg/l)	Salt/Solids Recovered (tons)	TDS (tons/af)
BK 1	2,071	0	0	0	0	0	2,071	150	422	0.20
BK 2	1,721	0	0	0	0	0	1,721	140	327	0.19
BK 3	2,185	0	0	0	0	0	2,185	150	445	0.20
BK 4	1,984	0	0	0	0	0	1,984	230	620	0.31
BK 5	2,073	0	0	0	0	0	2,073	160	451	0.22
BK 6	2,377	0	0	0	0	0	2,377	130	420	0.18
BK 7	1,175	0	0	0	0	0	1,175	228	364	0.31
BK 8	2,180	0	0	0	0	0	2,180	312	924	0.42
BK 9	0	0	0	142	0	0	142	173	33	0.24
BK 10	1,114	0	0	156	0	0	1,270	240	414	0.33
BK 11	1,015	0	0	146	0	0	1,161	214	338	0.29
BK 12	705	0	0	145	0	0	850	202	233	0.27
BM 1	2,352	0	0	0	0	0	2,352	110	352	0.15
BM 3	1,966	0	0	0	0	0	1,966	120	321	0.16
TOTAL	22,918			589	0		23,507	---	5,665	0.24
	TDS (tons/af) of recharged water*									0.16
	ratio of salt removed/salt loaded									1.5

Kern Fan Monitoring Committee
Pioneer Property
Recovery Summary and Solids Content

Year: **2001-2006**

WELL	2001	2002	2003	2004	2005	2006	TOTAL	TDS (mg/l)	Salt/Solids Recovered (tons)	TDS (tons/af)
KCWA 6	2,048	0	0	839	94	0	2,981	240	972	0.33
KCWA 11	2,983	1,047	238	0	0	0	4,268	270	1,566	0.37
KCWA 12	1,565	0	0	0	0	0	1,565	310	659	0.42
KCWA 13	1,349	0	0	0	0	0	1,349	290	532	0.39
KCWA 14	2,057	1,000	334	0	0	0	3,391	270	1,244	0.37
KCWA 15	2,139	1,004	316	0	0	0	3,459	240	1,128	0.33
KCWA 16	2,235	1,014	295	965	26	0	4,535	278	1,714	0.38
KCWA 17	1,665	987	292	0	0	0	2,944	270	1,080	0.37
KCWA 18	2,008	1,045	304	0	0	0	3,357	200	912	0.27
KCWA 19	1,864	1,015	302	0	0	0	3,181	242	1,046	0.33
KCWA 20	1,691	981	295	0	0	0	2,967	216	871	0.29
KCWA 21	1,085	0	0	810	0	0	1,895	230	592	0.31
KCWA 22	986	0	0	825	0	0	1,811	170	418	0.23
KCWA 23	732	0	0	839	0	0	1,571	190	406	0.26
KCWA 24	699	0	0	796	0	0	1,495	170	345	0.23
REHAB 1	1,903	902	267	0	0	0	3,072	260	1,086	0.35
REHAB 2	1,970	924	271	1,011	258	0	4,434	260	1,567	0.35
REHAB 3	1,101	0	0	676	0	0	1,777	170	411	0.23
REHAB 4	1,277	0	0	744	0	0	2,021	130	357	0.18
REHAB 5	1,006	0	0	757	0	0	1,763	180	431	0.24
REHAB 6	1,148	0	0	666	0	0	1,814	175	431	0.24
3B1	620	0	0	0	0	0	620	190	160	0.26
4B1	737	0	0	0	0	0	737	220	220	0.30
4E1	227	0	0	0	0	0	227	230	71	0.31
4L1	0	0	0	0	0	0	0	180	0	0.00
11D1	673	0	0	0	0	0	673	270	247	0.37
11P1	808	0	0	0	0	0	808	280	307	0.38
12D1	1,170	0	0	0	0	0	1,170	160	254	0.22
12N1	974	0	0	0	0	0	974	170	225	0.23
CBK 40	1,255	0	0	0	0	0	1,255	76	130	0.10
TOTAL	39,975	9,919	2,914	8,928	378	0	62,114	---	19,385	0.31
									TDS (tons/af) of recharged water*	0.16
									ratio of salt removed/salt loaded	2.0

Kern Fan Monitoring Committee
Kern Water Bank
Recovery Summary and Solids Content

Year: **2001-2006**

WELL	2001	2002	2003	2004	2005	2006	Total	TDS (mg/l)	Salt/Solids Recovered (tons)	TDS (tons/af)
30S/24E-24A01	824	463	346	74	0	0	1,707	650	1,508	0.88
30S/25E-03Q01	546	637	1,032	1,098	0	0	3,313	300	1,351	0.41
30S/25E-03Q02	0	0	0	1,173	0	0	1,173	295	470	0.40
30S/25E-03R01	0	0	0	1,151	0	0	1,151	345	540	0.47
30S/25E-04L01	2,040	736	685	222	0	0	3,683	250	1,251	0.34
30S/25E-05K01	1,745	746	741	235	0	0	3,467	131	617	0.18
30S/25E-06K01	2,769	691	943	311	0	0	4,714	140	897	0.19
30S/25E-07G01	2,809	1,379	1,084	337	0	0	5,609	200	1,525	0.27
30S/25E-07P01	1,131	0	475	471	0	0	2,077	310	875	0.42
30S/25E-07R01	1,442	0	493	575	0	0	2,510	340	1,160	0.46
30S/25E-08F01	1,806	755	663	220	0	0	3,444	390	1,825	0.53
30S/25E-08J01	1,517	785	541	178	0	0	3,021	140	575	0.19
30S/25E-08P01	1,334	0	516	504	0	0	2,354	200	640	0.27
30S/25E-09A01	1,542	348	562	605	0	0	3,057	300	1,247	0.41
30S/25E-09J01	1,865	563	0	0	0	0	2,428	320	1,056	0.43
30S/25E-09L01	1,985	915	710	237	0	0	3,847	320	1,673	0.43
30S/25E-10K01	0	622	1,031	1,116	0	0	2,769	290	1,091	0.39
30S/25E-11A01	1,091	455	758	832	0	0	3,136	127	541	0.17
30S/25E-11C01	79	582	518	0	0	0	1,179	530	850	0.72
30S/25E-11E01	13	522	781	937	0	0	2,253	270	827	0.37
30S/25E-11L01	0	0	519	547	0	0	1,066	285	413	0.39
30S/25E-11N01	56	350	575	608	0	0	1,589	380	820	0.52
30S/25E-11Q01	0	720	1,134	666	0	0	2,520	350	1,199	0.48
30S/25E-12C01	0	797	586	196	0	0	1,578	450	965	0.61
30S/25E-13L01	0	0	0	0	0	0	0	140	0	-
30S/25E-14E01	1,156	827	1,337	1,520	0	0	4,840	330	2,171	0.45
30S/25E-14J01	2,618	621	990	1,055	0	0	5,284	90	646	0.12
30S/25E-14K01	0	0	0	1,092	0	0	1,092	520	772	0.71
30S/25E-14N01	1,764	334	498	514	0	0	3,110	130	550	0.18
30S/25E-14Q01	0	0	0	0	0	0	0	94	0	-
30S/25E-14R01	1,621	394	656	723	0	0	3,394	140	646	0.19
30S/25E-15B01	1,741	446	69	88	0	0	2,344	230	733	0.31
30S/25E-15C01	1,782	445	36	164	0	0	2,427	270	890	0.37
30S/25E-15N01	606	96	433	452	0	0	1,587	170	367	0.23
30S/25E-15Q01	1,637	480	255	516	0	0	2,888	200	785	0.27
30S/25E-15R01	461	353	621	662	0	0	2,097	190	541	0.26
30S/25E-16B01	1,363	1,160	708	212	0	0	3,443	180	842	0.24
30S/25E-16D01	1,738	1,185	781	265	0	0	3,969	280	1,510	0.38
30S/25E-16F01	1,554	836	626	173	0	0	3,189	310	1,344	0.42
30S/25E-16J01	876	286	496	563	0	0	2,221	170	513	0.23
30S/25E-16M01	1,024	0	1,010	1,271	0	0	3,305	200	898	0.27
30S/25E-16P01	1,810	453	776	898	0	0	3,937	210	1,124	0.29
30S/25E-16R01	1,398	263	0	0	0	0	1,661	180	406	0.24
30S/25E-17F01	1,626	0	734	821	0	0	3,181	270	1,167	0.37
30S/25E-17H01	3,225	133	1,850	2,044	0	0	7,252	250	2,464	0.34
30S/25E-17J01	3,179	974	1,726	1,918	0	0	7,797	170	1,802	0.23
30S/25E-17M01	0	0	1,617	1,742	0	0	3,359	190	867	0.26
30S/25E-17P01	3,562	800	1,404	1,537	0	0	7,303	180	1,787	0.24
30S/25E-18A01	1,255	0	441	463	0	0	2,159	350	1,027	0.48
30S/25E-18C01	1,483	0	643	681	0	0	2,807	300	1,144	0.41
30S/25E-18K01	0	0	1,697	1,847	0	0	3,544	360	1,734	0.49
30S/25E-18P01	2,139	527	146	1,071	0	0	3,883	350	1,847	0.48
30S/25E-18R01	1,886	488	907	1,008	0	0	4,289	210	1,224	0.29
30S/25E-19P01	0	0	0	0	0	0	0	1190	0	-
30S/25E-20A01	2,691	206	1,124	1,299	0	0	5,320	240	1,735	0.33
30S/25E-20C01	2,565	625	81	1,072	0	0	4,343	170	1,004	0.23
30S/25E-20L01	3,041	223	1,224	1,345	0	0	5,833	290	2,299	0.39
30S/25E-21A02	1,569	144	591	624	0	0	2,928	170	676	0.23
30S/25E-21D01	3,447	250	1,347	1,409	0	0	6,453	200	1,754	0.27
30S/25E-21G01	2,002	201	997	1,131	0	0	4,331	190	1,118	0.26
30S/25E-23B01	0	0	0	0	0	0	0	120	0	-
30S/25E-23H01	1,249	370	628	195	0	0	2,442	130	431	0.18
30S/25E-24K01	0	0	0	757	0	0	757	160	165	0.22
30S/25E-36D01	816	0	0	0	0	0	816	230	255	0.31
30S/26E-06N01	457	1,280	978	0	0	0	2,715	480	1,771	0.65
30S/26E-07J01	0	0	0	0	0	0	0	180	0	-
30S/26E-07N01	0	0	0	0	0	0	0	200	0	-
30S/26E-17Q01	0	0	0	1,259	0	0	1,259	240	411	0.33
30S/26E-18D01	0	0	0	0	0	0	0	170	0	-
30S/26R-19G01	0	0	0	1,153	0	0	1,153	220	345	0.30
30S/26E-19M01	1,470	508	915	1,015	0	0	3,908	170	903	0.23
30S/26E-20L01	1,841	0	1,129	1,322	0	0	4,292	210	1,225	0.29
30S/26E-20N02	1,449	0	958	1,115	0	0	3,522	150	718	0.20
TOTAL	88,695	26,974	45,122	49,289			210,079	---	68,527	0.33
									TDS (tons/af) of recharged water*	0.22
									ratio of salt removed/salt loaded	1.5

Kern Fan Monitoring Committee
All Projects
Recovery Summary and Solids Content

Quantities in acre-feet except where noted

Year: 2001-2006

WELL	2001	2002	2003	2004	2005	2006	TOTAL	TDS (mg/l)	Salt/Solids Recovered (tons)	TDS (tons/af)
11D1	673	0	0	0	0	0	673	270	247	0.37
11P1	808	0	0	0	0	0	808	280	307	0.38
12D1	1,170	0	0	0	0	0	1,170	160	254	0.22
12N1	974	0	0	0	0	0	974	170	225	0.23
3B1	620	0	0	0	0	0	620	190	160	0.26
4B1	737	0	0	0	0	0	737	220	220	0.30
4E1	227	0	0	0	0	0	227	230	71	0.31
4L1	0	0	0	0	0	0	0	180	0	0.00
BK 1	2,071	0	0	0	0	0	2,071	150	422	0.20
BK 2	1,721	0	0	0	0	0	1,721	140	327	0.19
BK 3	2,185	0	0	0	0	0	2,185	150	445	0.20
BK 4	1,984	0	0	0	0	0	1,984	230	620	0.31
BK 5	2,073	0	0	0	0	0	2,073	160	451	0.22
BK 6	2,377	0	0	0	0	0	2,377	130	420	0.18
BK 7	1,175	0	0	0	0	0	1,175	228	364	0.31
BK 8	2,180	0	0	0	0	0	2,180	312	924	0.42
BK 9	0	0	0	0	0	0	142	173	33	0.24
BK 10	1,114	0	0	0	0	142	1,270	240	414	0.33
BK 11	1,015	0	0	0	0	146	1,161	214	338	0.29
BK 12	705	0	0	0	0	145	850	202	233	0.27
BM 1	2,352	0	0	0	0	0	2,352	110	352	0.15
BM 3	1,966	0	0	0	0	0	1,966	120	321	0.16
CBK 40	1,255	0	0	0	0	0	1,255	76	130	0.10
KCWA 1	1,757	571	0	0	0	996	3,576	250	1,215	0.34
KCWA 10	1,787	708	247	0	0	0	2,742	280	1,043	0.38
KCWA 11	2,983	1,047	238	0	0	0	4,268	270	1,566	0.37
KCWA 12	1,565	0	0	0	0	0	1,565	310	659	0.42
KCWA 13	1,349	0	0	0	0	0	1,349	290	532	0.39
KCWA 14	2,057	1,000	334	0	0	0	3,391	270	1,244	0.37
KCWA 15	2,139	1,004	316	0	0	0	3,459	240	1,128	0.33
KCWA 16	2,235	1,014	295	965	26	0	4,535	278	1,714	0.38
KCWA 17	1,665	987	292	0	0	0	2,944	270	1,080	0.37
KCWA 18	2,008	1,045	304	0	0	0	3,357	200	912	0.27
KCWA 19	1,864	1,015	302	0	0	0	3,181	242	1,046	0.33
KCWA 2	1,763	677	0	0	0	0	2,440	170	564	0.23
KCWA 20	1,691	981	295	0	0	0	2,967	216	871	0.29
KCWA 21	1,085	0	0	810	0	0	1,895	230	592	0.31
KCWA 22	986	0	0	825	0	0	1,811	170	418	0.23
KCWA 23	732	0	0	839	0	0	1,571	190	406	0.26
KCWA 24	699	0	0	796	0	0	1,495	170	345	0.23
KCWA 3	1,894	0	22	918	242	0	3,076	200	836	0.27
KCWA 4	1,761	1,093	278	1,019	260	0	4,411	150	899	0.20
KCWA 5	1,815	604	0	586	170	0	3,175	150	647	0.20
KCWA 6	2,048	1,115	0	839	94	0	4,096	240	1,336	0.33
KCWA 7	1,894	1,049	288	0	0	0	3,201	210	914	0.29
KCWA 8	2,163	1,089	278	1,012	0	0	3,530	290	1,391	0.39
KCWA 9	1,884	1,884	329	658	0	174	5,232	210	1,493	0.29
Olcese 1	2,210	2,156	386	857	0	0	5,609	210	1,528	0.29
Olcese 2	2,277	2,288	394	1,890	0	0	6,848	170	1,342	0.23
Olcese 3	2,291	2,203	439	1,947	0	0	6,778	200	1,842	0.27
Olcese 4	2,758	2,465	604	2,117	0	0	7,609	200	2,068	0.27
Olcese 5	2,741	2,701	2,055	2,006	0	0	9,615	220	2,875	0.30
Olcese 6	2,581	2,286	2,097	1,815	0	0	8,970	200	2,438	0.27
Olcese 7	2,404	2,161	2,038	1,977	0	0	8,418	210	2,403	0.29
Olcese 8	2,301	1,428	1,070	0	0	0	6,776	160	1,473	0.22
REHAB 1	1,903	902	267	1,011	0	258	4,434	260	1,086	0.35
REHAB 2	1,970	924	271	676	0	0	3,072	260	1,597	0.35
REHAB 3	1,101	0	0	744	0	0	1,777	170	411	0.23
REHAB 4	1,277	0	0	757	0	0	2,021	130	357	0.18
REHAB 5	1,006	0	0	666	0	0	1,763	160	431	0.24
REHAB 6	1,148	0	0	0	0	0	1,814	175	431	0.24
30S/25E-24A01	924	463	346	1,098	0	0	2,707	650	1,508	0.88
30S/25E-03Q01	546	637	1,032	1,173	0	0	3,388	300	1,351	0.41
30S/25E-03Q02	0	0	0	1,151	0	0	1,151	345	540	0.47
30S/25E-04Q01	0	0	0	222	0	0	222	250	151	0.34
30S/25E-04U01	2,040	736	686	235	0	0	3,661	250	617	0.34
30S/25E-05K01	1,745	746	741	311	0	0	3,467	131	897	0.19
30S/25E-06K01	2,789	691	943	337	0	0	4,764	140	1,525	0.27
30S/25E-07Q01	2,809	1,379	1,084	471	0	0	5,609	200	1,875	0.42
30S/25E-07R01	1,131	0	493	575	0	0	2,077	310	1,198	0.46
30S/25E-07R01	1,442	0	663	220	0	0	2,510	340	1,826	0.53
30S/25E-08F01	1,806	755	541	178	0	0	3,444	390	575	0.19
30S/25E-08J01	1,517	785	516	504	0	0	3,021	140	640	0.27
30S/25E-08P01	1,334	348	562	604	0	0	2,354	200	649	0.27
30S/25E-09A01	1,542	563	320	0	0	0	3,057	300	1,247	0.41
30S/25E-09J01	1,862	915	320	237	0	0	3,847	320	1,056	0.43
30S/25E-09L01	1,985	622	290	1,116	0	0	3,013	290	1,673	0.43
30S/25E-10K01	0	455	127	832	0	0	1,414	290	1,091	0.39
30S/25E-11A01	1,091	758	530	0	0	0	3,136	127	541	0.17
30S/25E-11C01	79	518	850	937	0	0	2,384	530	850	0.72
30S/25E-11E01	13	582	827	547	0	0	2,253	270	827	0.37
30S/25E-11J01	0	522	781	608	0	0	1,911	270	413	0.39
30S/25E-11N01	56	0	519	666	0	0	1,066	285	413	0.39
30S/25E-11Q01	0	350	575	196	0	0	1,589	380	820	0.52
30S/25E-12C01	0	720	1,134	0	0	0	2,520	350	1,199	0.48
30S/25E-13L01	0	797	586	0	0	0	1,578	450	965	0.61
30S/25E-14J01	1,156	827	1,337	1,520	0	0	4,840	330	2,171	0.45
30S/25E-14K01	2,618	621	990	1,055	0	0	5,284	90	646	0.12
30S/25E-14N01	0	0	0	1,092	0	0	1,092	520	772	0.71
30S/25E-14Q01	1,764	334	498	514	0	0	3,110	130	550	0.18
30S/25E-14R01	0	0	0	0	0	0	0	94	0	0.00
30S/25E-15C01	1,621	394	656	723	0	0	3,394	140	646	0.19
30S/25E-15B01	1,741	446	69	88	0	0	2,344	230	733	0.31
30S/25E-15D01	1,782	445	36	164	0	0	2,427	270	890	0.37
30S/25E-15N01	606	96	433	452	0	0	1,587	170	367	0.23
30S/25E-15Q01	1,637	480	255	516	0	0	2,888	200	785	0.27
30S/25E-15R01	461	353	621	662	0	0	2,097	190	541	0.26
30S/25E-16B01	1,363	1,160	708	212	0	0	3,443	180	842	0.24
30S/25E-16D01	1,738	1,185	781	265	0	0	3,969	280	1,510	0.38
30S/25E-16F01	1,554	836	626	173	0	0	3,189	310	1,344	0.42
30S/25E-16J01	876	286	496	563	0	0	2,221	170	513	0.23
30S/25E-16M01	1,024	0	1,010	1,271	0	0	3,305	200	898	0.27
30S/25E-16P01	1,810	453	776	898	0	0	3,937	210	1,124	0.29
30S/25E-16R01	1,398	263	0	0	0	0	1,661	180	406	0.24
30S/25E-17F01	1,626	0	734	821	0	0	3,181	270	1,167	0.37
30S/25E-17H01	3,225	133	1,850	2,044	0	0	7,252	250	2,464	0.34
30S/25E-17J01	3,179	974	1,726	1,918	0	0	7,797	170	1,802	0.23
30S/25E-17M01	0	0	1,617	1,742	0	0	3,359	190	867	0.26
30S/25E-17P01	3,562	800	1,404	1,537	0	0	7,303	180	1,787	0.24
30S/25E-18A01	1,255	0	441	463	0	0	2,159	350	1,027	0.48
30S/25E-18C01	1,483	0	643	681	0	0	2,807	300	1,144	0.41
30S/25E-18K01	0	0	1,697	1,847	0	0	3,544	380	1,734	0.49
30S/25E-18P01	2,139	527	146	1,071	0	0	3,883	350	1,847	0.48
30S/25E-18R01	1,886	488	907	1,008	0	0	4,289	210	1,224	0.29
30S/25E-19P01	0	0	0	0	0	0	0	1190	0	0.00
30S/25E-20A01	2,691	206	1,124	1,299	0	0	5,320	240	1,735	0.33
30S/25E-20C01	2,565	625	81	1,072	0	0	4,343	170	1,004	0.23
30S/25E-20L01	3,041	223	1,224	1,345	0	0	5,833	290	2,299	0.39
30S/25E-21A02	1,569	144	591	624	0	0	2,928	170	676	0.23
30S/25E-21D01	3,447	250	1,347	1,409	0	0	6,453	200	1,754	0.27
30S/25E-21G01	2,002	201	997	1,131	0	0	4,331	190	1,118	0.26
30S/25E-23B01	0	0	0	0	0	0	0	120	0	0.00
30S/25E-23H01	1,249	370	628	195	0	0	2,442	130	431	0.18
30S/25E-24J01	0	0	0	757	0	0	757	130	134	0.18
30S/25E-36D01	816	0	0	0	0	0	816	230	255	0.31
30S/26E-06N01	457	1,280	978	0	0	0	2,715	480	1,771	0.65
30S/26E-07J01	0	0	0	0	0	0	0	180	0	0.00
30S/26E-07N01	0	0	0	0	0	0	0	200	0	0.00
30S/26E-17Q01	0	0	0	0	0	0	0	170	0	0.00
30S/26E-18D01	0	0	0	1,259	0	0	1,259	240	411	0.33
30S/26E-19G01	0	0	0	0	0	0	0	170	0	0.00
30S/26E-19M01	1,470	508	915	1,015	0	0	1,153	220	345	0.30
30S/26E-20C01	0	0	0	0	0	0	0	170	903	0.23
30S/26E-20L01	1,841	0	1,129	1,322	0	0	4,292	230	0	0.00
30S/26E-20N02	1,449	0	958	1,115	0	0	3,522	210	1,225	0.29
TOTAL	187,859	63,370	58,215	76,604	1,476	0	387,524	--	118,882	0.31
								TDS (tons/af) of recharged water*		0.20
								ratio of salt removed/salt loaded		1.5

WATER DELIVERY SCHEDULE

This section provides three tables per year summarizing State Water Project supply and deliveries. The tables are organized by year from 2005 and 2006. Within each year, the tables are presented in the following order:

The first table for each year entitled "SWP Supply and Delivery Summary" is prepared to track and summarize all State Water Project related supplies (columns 1 through 6) available to the Kern County Water Agency (Agency) member units. The supplies coupled with any transfers and/or exchanges result in a total water supply available for each district (column 13). The total water supply available is monitored against the physical deliveries to each district (column 16). The status of the comparison is shown in column 17. Note that this table does not attempt to classify by water type any of the waters delivered.

Tables 2 through 4 for each year show monthly detail regarding deliveries and transfers, supporting the totals shown in columns 14, 15, and 16 of Table 1.

The fifth table for each year entitled "Water Delivery Schedule" is similar in purpose to the above-described table, however it tracks water on an Agency wide basis, not a member unit basis, and is prepared for Department of Water Resources as called for under the Agency water service contract. This schedule differs from Table 1 whereby it provides additional detail as to the type of water delivered by the Agency each month.

2005
Kern County Water Agency
SWP Supply and Delivery Summary

(Quantities in Acre-Feet)

Deliveries through December 31, 2005 (subject to change)

Entity:	(1) 2005 State Water Project Supply: Current 2005 Ent Allocation (90% Firm)	(2) 2005 State Water Project Supply: 2004 Carryover Into 2005	(3) 2005 State Water Project Supply: Article 21 Water Program	(4) 2005 State Water Project Supply: DWR Turn-Back Pool A Purchase	(5) 2005 State Water Project Supply: DWR Turn-Back Pool B Purchase	(6) 2005 State Water Project Supply: Total SWP Supply (Col 1...6)	(7) KCWA Lower River Exchange For SWP *Block 1*	(8) 2005 Local Pool & Agency Ent. Pool: Sellers	(9) 2005 Local Pool & Agency Ent. Pool: Buyers	(10) Agency Approved Transfers: Misc. Trans / Exch Out of Kern County	(11) Agency Approved Transfers: Misc. Transfers Into Kern County	(12) Agency Approved Transfers: Misc. Transfers, Exchanges, Other	(13) Agency Approved Transfers: Misc. Transfers, Exchanges, Other	(14) Agency Approved Transfers: Misc. Transfers, Exchanges, Other	(15) Agency Approved Transfers: Misc. Transfers, Exchanges, Other	(16) Agency Approved Transfers: EWA Purchases via SWP Exchange	(17) Total Water Supply Available (Col 7..18)	(18) Year to Date Deliveries	(19) Balance to be Delivered
Berrenda Mesa	97,740	1,954	40,083	412	2,134	142,323	(5,657)		331		4,684 [14]	2,000 [13]	2,314 [21]	(6,000) [12]	(199)	(14,636)	125,160	124,597	563
Lost Hills	107,199	1,360	62,896	452	2,340	174,247	(2,964)		363			(14,737) [15]	(4,316) [21]	(6,990) [12]	(14,118) [20]	(1,842)	129,643	129,712	(69)
Belridge	109,357	3,134	48,897	462	2,388	164,238	(2,238)		1,263			(2,000) [13]	7,002 [16]	(8,951) [12]	14,199 [20]		173,513	173,343	170
Semitropic	139,500	1,363	100,269	589	3,046	244,767	(8,504)		1,599		145,615 [2]	10,000 [7]	1,607 [5]	21,941 [12]	118 [20]	(6,581)	410,562	411,963	(1,401)
Cawelo	34,380	154	2,393		751	37,678	(2,191)						(27,000) [11]		(6,094) [19]		2,393	2,393	0
Imp Dist #4	74,652	1,717	56,277	315	1,630	134,591	(10,000)		253			11,221 [1]	8,393 [5]	(52,136) [6]	3,002 [19]	(3,685)	91,639	91,249	390
Rosedale-Rio Bravo	26,910		3,807		587	31,304				(20,000) [8]	20,000 [22]			6,731	(3,948) [17]		34,087	33,652	435
Buena Vista	19,170	2,672	39,271	81	418	61,612						38,548 [10]	27,000 [11]			(10,958)	116,202	116,202	0
Kern Delta	22,950		3,242	97	501	26,790					15,576 [9]	(38,548) [10]					3,818	3,818	0
Henry Miller	31,950	1,953	9,454	135	698	44,190			108								44,298	42,507	1,791
West Kern	28,350	231	1,632	120	619	30,952							(5,000) [16]				25,952	25,794	158
Wheeler Ridge	177,379	2,949	81,167	749	3,873	266,117						(10,000) [7]				(11,053)	245,064	241,629	3,435
Tehachapi - AG	3,870		296			4,166											4,166	4,166	0
Tehachapi - M&I	13,500					13,500						(11,221) [1]					2,279	2,279	0
Tejon Castac - M&I	1,800	254	385			2,439		(1,524)									915	923	(8)
Tejon Castac - AG	2,950		3,009			5,959		(376)								(2,574)	3,009	3,009	0
																	0		
Natl. Wildlife Refuges						0				20,000 [8]							20,000	20,000	0
MWD						0											0	0	0
Arvin-Edison WSD						0				(7,000) [18]				30,519 [6]	3,948 [17]		27,467	27,467	0
North Kern WSD						0								14,886 [6]			14,886	14,886	0
Westlands WD						0				7,000 [18]							7,000	7,000	0
Westside Mutual						0						14,737 [15]		0 [12]		(14,737)	0	0	0
SLDMWA						0									0		0	0	0
Dudley Ridge WD			13,146			13,146					2,548 [3]						15,694	15,694	0
KCWA	7,200	50				7,250	31,554	(2,017)		(1,046)		(10,000) [4]				(20,554)	5,187	5,225	(38)
KCWA / Nickel						0						10,000 [4]	(10,000) [5]		3,092 [19]	(3,092)	0	0	0
KTWD / RGWD						0											0	0	0
Western Hills WD						0				1,046							1,046	1,046	0
EWA						0										89,712	89,712	89,712	0
Total	898,857	17,791	466,224	3,412	18,985	1,405,269	0	(3,917)	3,917	0	188,423	0	0	0	0	0	1,593,692	1,588,266	5,426
			453,078																
			13,146																

[1] - Transfer of TCCWD 2005 SWP water (8,620 AF) to ID4 under the Long Term M&I Pool agreement.
[2] - Includes transfers of 2004 c/o from Alameda County WD (4,600 AF), Alameda County - Zone 7 (5,740 AF) and Santa Clara Valley WD (11,633 AF) to Semitropic WSD for storage; Article 21 water (3,115 AF) from SCVWD; 2005 SWP from: MWD (31,210 AF), Alameda (25,700 AF), SCVWD SWP (30,833 AF); 2005 CVP from SCVWD (20,000 AF); and 2005 CVP from WWD (10,717 AF).
[3] - Transfer of 2004 c/o from Dudley Ridge WD (48 AF) and 2005 SWP (1,500 AF) to banking.
[4] - Transfer of KCWA LR River water (10,000 AF) by exchange (SWP) acquired from the Lower River/MU SWP Exchange (31,554 AF) to Nickel to meet the annual Nickel obligation.
[5] - Includes exchange of LR water (8,393 AF) by exchange (SWP) to ID-4 for a like amount of water in a future year; and transfer of LR water (1,607 AF) by exchange (SWP) to Semitropic WSD banking facilities on behalf of Newhall Ranch.
[6] - Includes exchange of ID-4 SWP (14,886 AF) for a like amount of North Kern Category A or B water; and transfer of ID-4 SWP (27,250 AF) to AEWSD pursuant to ID-4/KTRG/(AE) annual exchange.
[7] - Exchange of Wheeler Ridge-Maricopa WSD SWP (10,000 AF) to Semitropic WSD for a like amount of a GW account in KWB.
[8] - Exchange of RRB 2005 SWP water to various San Joaquin Valley Wildlife Refuges for a like amount of KT/RG CVP water.
[9] - Transfer of MWD 2005 SWP water (15,000 AF) for delivery to Kern Delta banking facilities.
[10] - Includes exchange of KDWD/MWD 2005 SWP water (15,000 AF) to BVWSD for a like amount of KR water to facilitate MWD banking in KDWD; and exchange of KDWD 2005 SWP water (23,548 AF) to BVWSD for a like amount of KR water.
[11] - Exchange of CWD 2005 SWP water (27,000 AF) to BVWSD for a like amount of KR water.
[12] - Transfer of WMWC 2005 SWP water (21,941 AF) as payback for 2000-year exchange with San Luis Delta Mendota WA facilitated through an operational exchange with SWSD & SCVWD.
[13] - Landowner transfer of BMWD 2005 SWP water (1,000 AF) to BWSD on behalf of common landowner Chaparral Farms; and L/O transfer of BWSD 2005 SWP water (3,000 AF) to BMWD on behalf of Paramount Farming Co.
[14] - Transfer exchange of Dudley Ridge WD 2005 SWP water (4,686 AF) to BMWD on a 3:2 basis payback in a future year.
[15] - Transfer of WMWC/LHWD 2005 SWP water (14,737 AF) to WMWC to facilitate sale to EWA.
[16] - Exchange of WKWD 2005 SWP water (5,000 AF) to Belridge WSD for a like amount of 2005 City Miscellaneous Kern River water; a common L/O transfer (1,686 AF) from LH to BWSD; and a common L/O transfer (318 AF) from LHWD to BWSD.
[17] - Transfer of prior year exchange payback water (3,921 AF) to Arvin Edison WSD from RRBWSD under long term exchange agreement.
[18] - Exchange 2005 SWP water (7,000 AF) to Westlands WD from AEWSD for a like amount of Tulare Irrigation District Friant Class 1 water.
[19] - Exchange of ID-4 SWP water (3,092 AF) to Nickel Family, LLC for a like amount of Hacienda Kern River Water and exchange of CWD 2005 SWP water (6,094 AF) to ID4 for a like amount to be paid back in a future year.
[20] - Landowner transfer of LHWD 2005 SWP water (14,000 AF) to BWSD on behalf of common landowner Paramount Farming Co.; and L/O transfer of LHWD 2005 SWP water (118 AF) to SWSD on behalf of common landowner Lost Hills Utility District.
[21] - Transfer of LHWD 2005 SWP water (2,314 AF) to BMWD to facilitate a common L/O trans. (Paramount) to DRWD and 3:2 trans/ex from DRWD to BMWD (4,686 AF); a common L/O trans. (1,686 AF) from LHWD to BWSD; and a common L/O trans. (318 AF) from LHWD to BWSD.
[22] - Transfer of CLWA 2005 SWP water (20,000 AF) to RRBWSD for banking.

TABLE A-1

2005
Kern County Water Agency
In-District and / or Transfer Deliveries

(Quantities in Acre-Feet)
Deliveries through December 31, 2005 (subject to change)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Berrenda Mesa	818	1,504	1,753	4,956	8,533	12,376	14,131	13,247	7,712	5,090	887	1,867	72,874
Lost Hills	563	1,665	2,084	4,903	6,606	10,496	12,788	12,492	6,134	3,493	290	2,526	64,040
Belridge	639	3,495	5,478	10,415	11,103	18,224	22,405	17,823	10,521	6,765	1,147	3,417	111,432
Semitropic	2,609	14,888	19,945	31,011	25,892	48,553	60,754	52,170	25,752	19,122	11,717	2,067	314,480
Cawelo	478	1,046	869										2,393
Imp Dist #4	186	150	15,090	6,302	876	3,074	97	0	0	1,560	1,949	8,861	38,145
Rosedale-Rio Bravo										3,887	15,728	10,351	29,966
Buena Vista	2,900	12,068	7,663	7,139	1,138	6,765	31,075	28,925		4,720		1,089	103,482
Kern Delta	0	0								0		0	0
Henry Miller	1,498	1,408	1,831	2,392		6,352	4,623	5,783	1,294		1,644	8,305	35,130
West Kern	212	234	196	209	227	149	423	482	421	373	250	309	3,485
Wheeler Ridge	713	2,606	9,034	11,676	12,962	23,323	27,393	24,425	13,540	7,783	4,054	3,423	140,932
Tehachapi - AG	3			750	839	1,161	1,207	206					4,166
Tehachapi - M&I								1,014	817	448			2,279
Tejon Castac - M&I		6	12	12	20	30	34	33	28	19	17	10	221
Tejon Castac - AG	7			7		2							16
KN Wildlife Refuge									20,000				20,000
MWD													0
Arvin-Edison WSD	9	10	16	60	93	14	4,528	7,970	3,188	2,532	9,020	27	27,467
North Kern WSD		541	5,090	9,199	56								14,886
Westlands WD								7,000					7,000
Westside Mutual													0
SLDMWA													0
Dudley Ridge WD													0
KCWA													0
KCWA / Nickel													0
KTWD / RGWD													0
Western Hills WD	5	15	14	53	76	131	158	194	121	119	132	28	1,046
EWA						29,712		30,000	30,000				89,712
Total Deliveries	10,640	39,636	69,075	89,084	68,421	160,362	179,616	201,764	119,528	55,911	46,835	42,280	1,083,152
	10,640	50,276	119,351	208,435	276,856	437,218	616,834	818,598	938,126	994,037	1,040,872	1,083,152	

TABLE A-2

2005
Kern County Water Agency
KCWA Project Recharge Deliveries

(Quantities in Acre-Feet)

Deliveries through December 31, 2005 (subject to change)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Berrenda Mesa	5,191	6,885	7,454	6,342	2,097	5,562	1,648	2,898	5,447	3,932	1,649	2,618	51,723
Lost Hills	5,443	5,562	11,805	19,018	2,704	5,637	3,993	1,054		3,004		7,452	65,672
Belridge	6,019	9,339	11,754	6,838	2,596	6,106		1,869	4,004	2,817	7,538	3,031	61,911
Semitropic	10,413	18,927	9,701	5,950	1,675	3,846		6,435	7,149	11,377	16,249	5,761	97,483
Cawelo	0												0
Imp Dist #4	3,754	8,624	1,845	3,664	988	907		3,051	7,909	17,647	3,617	1,098	53,104
Rosedale-Rio Bravo	369										3,118	199	3,686
Buena Vista		2,547	4,449	3,940								1,784	12,720
Kern Delta	341	2,164								576		737	3,818
Henry Miller	407	1,320	1,509	2,148								1,993	7,377
West Kern	258	385			129			5,702	7,438	5,207	863	2,327	22,309
Wheeler Ridge	8,124	13,166	18,007	18,803	4,248	9,205		3,261	12,373		3,000	10,510	100,697
Tehachapi - AG													0
Tehachapi - M&I													0
Tejon Castac - M&I	232										85	385	702
Tejon Castac - AG	243	541	939	801	147	322							2,993
Natl. Wildlife Refuges													0
MWD													0
Arvin-Edison WSD													0
North Kern WSD													0
Westlands WD													0
Westside Mutual													0
SLDMWA													0
Dudley Ridge WD	893	2,323	3,377	2,954	649	1,064				1,500	1,000	1,934	15,694
KCWA									327	3,957	941		5,225
KCWA / Nickel													0
KTWD / RGWD													0
Western Hills WD													0
EWA													0
Total Deliveries	41,687	71,783	70,840	70,458	15,233	32,649	5,641	24,270	44,647	50,017	38,060	39,829	505,114
	41,687	113,470	184,310	254,768	270,001	302,650	308,291	332,561	377,208	427,225	465,285	505,114	

TABLE A-3

2005
Kern County Water Agency
CVC / Alejandro GW Deliveries

(Quantities in Acre-Feet)
Deliveries through December 31, 2005 (subject to change)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Berrenda Mesa													0
Lost Hills													0
Belridge													0
Semitropic													0
Cawelo													0
Imp Dist #4													0
Rosedale-Rio Bravo													0
Buena Vista													0
Kern Delta													0
Henry Miller													0
West Kern													0
Wheeler Ridge													0
Tehachapi - AG													0
Tehachapi - M&I													0
Tejon Castac - M&I													0
Tejon Castac - AG													0
Natl. Wildlife Refuges													0
MWD													0
Arvin-Edison WSD													0
North Kern WSD													0
Westlands WD													0
Westside Mutual													0
SLDMWA													0
Dudley Ridge WD													0
KCWA													0
KCWA / Nickel													0
KTWD / RGWD													0
Western Hills WD													0
EWA													0
Total Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	

TABLE A-4

2005
Kern County Water Agency
Total Deliveries

(Quantities in Acre-Feet)
Deliveries through December 31, 2005 (subject to change)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
										0	0	0	
Berrenda Mesa	6,009	8,389	9,207	11,298	10,630	17,938	15,779	16,145	13,159	9,022	2,536	4,485	124,597
Lost Hills	6,006	7,227	13,889	23,921	9,310	16,133	16,781	13,546	6,134	6,497	290	9,978	129,712
Belridge	6,658	12,834	17,232	17,253	13,699	24,330	22,405	19,692	14,525	9,582	8,685	6,448	173,343
Semitropic	13,022	33,815	29,646	36,961	27,567	52,399	60,754	58,605	32,901	30,499	27,966	7,828	411,963
Cawelo	478	1,046	869	0	0	0	0	0	0	0	0	0	2,393
Imp Dist #4	3,940	8,774	16,935	9,966	1,864	3,981	97	3,051	7,909	19,207	5,566	9,959	91,249
Rosedale-Rio Bravo	369	0	0	0	0	0	0	0	0	3,887	18,846	10,550	33,652
Buena Vista	2,900	14,615	12,112	11,079	1,138	6,765	31,075	28,925	0	4,720	0	2,873	116,202
Kern Delta	341	2,164	0	0	0	0	0	0	0	576	0	737	3,818
Henry Miller	1,905	2,728	3,340	4,540	0	6,352	4,623	5,783	1,294	0	1,644	10,298	42,507
West Kern	470	619	196	209	356	149	423	6,184	7,859	5,580	1,113	2,636	25,794
Wheeler Ridge	8,837	15,772	27,041	30,479	17,210	32,528	27,393	27,686	25,913	7,783	7,054	13,933	241,629
Tehachapi - AG	3	0	0	750	839	1,161	1,207	206	0	0	0	0	4,166
Tehachapi - M&I	0	0	0	0	0	0	0	1,014	817	448	0	0	2,279
Tejon Castac - M&I	232	6	12	12	20	30	34	33	28	19	102	395	923
Tejon Castac - AG	250	541	939	808	147	324	0	0	0	0	0	0	3,009
	0	0	0	0	0	0	0	0	20,000	0	0	0	20,000
MWD	0	0	0	0	0	0	0	0	0	0	0	0	0
Arvin-Edison WSD	9	10	16	60	93	14	4,528	7,970	3,188	2,532	9,020	27	27,467
North Kern WSD	0	541	5,090	9,199	56	0	0	0	0	0	0	0	14,886
Westlands WD	0	0	0	0	0	0	0	7,000	0	0	0	0	7,000
Westside Mutual	0	0	0	0	0	0	0	0	0	0	0	0	0
SLDMWA	0	0	0	0	0	0	0	0	0	0	0	0	0
Dudley Ridge WD	893	2,323	3,377	2,954	649	1,064	0	0	0	1,500	1,000	1,934	15,694
KCWA	0	0	0	0	0	0	0	0	327	3,957	941	0	5,225
KCWA / Nickel	0	0	0	0	0	0	0	0	0	0	0	0	0
KTWD / RGWD	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Hills WD	5	15	14	53	76	131	158	194	121	119	132	28	1,046
EWA	0	0	0	0	0	29,712	0	30,000	30,000	0	0	0	89,712
Total Deliveries	52,327	111,419	139,915	159,542	83,654	193,011	185,257	226,034	164,175	105,928	84,895	82,109	1,588,266
	52,327	163,746	303,661	463,203	546,857	739,868	925,125	1,151,159	1,315,334	1,421,262	1,506,157	1,588,266	

TABLE A-5

2006
Kern County Water Agency
SWP Supply and Delivery Summary

(Quantities in Acre-Feet)

Deliveries through December 31, 2006 (subject to change)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	
	2006 State Water Project Supply						KCWA	Kern	KCWA	Agency Approved Transfers						Total			
Entity:	Current 2006 Ent Allocation (100% Firm)	2005 Carryover Into 2006	Article 21 Water Program	DWR Turn-Back Pool A Purchase	DWR Turn-Back Pool B Purchase	Total SWP Supply (Cols 1...6)	Article 21 Reclass Water [25]	River Intertie Water [22]	Lower River Exchange For SWP *Blocks 2&5*	Misc. Trans / Exch Out of Kern County	Misc. Transfers Into Kern County	Misc. Transfers, Exchanges, Other	Misc. Transfers, Exchanges, Other	Misc. Transfers, Exchanges, Other	Misc. Transfers, Exchanges, Other	Water Supply Available (Cols 6..14)	Year to Date Deliveries	Balance to be Delivered	
Berrenda Mesa	108,600	563	20,417	735	2,037	132,352	1,601		(3,810)			(500) [8]	(5,750) [21]	(1,695) [24]		122,198	122,020	178	BM
Lost Hills	119,110	(69)	26,689	806		146,536	8,714					(235) [11]	(10,310)	(1,100) [24]	(515) [14]	143,090	141,995	1,095	LH
Belridge	121,508	170	26,845	823		149,346	1,912		(701)			500 [8]	16,060 [21]	550 [24]	(4,998) [14]	162,669	161,669	1,000	BEL
Semitropic	155,000	(1,401)	62,735	1,050	3,188	220,572					102,223 [2]	235 [11]			(513) [14]	322,517	322,080	437	ST
Cawelo	38,200					38,200			(6,615)		10,001 [16]	(13,000) [13]	(6,000) [17]			22,586	22,586	0	CAW
Imp Dist #4	82,946	390	37,670	562	1,487	123,055	3,285		(6,615)			13,219 [1]	(21,127) [3]	(19,221) [10]	(740) [14]	91,856	90,431	1,425	ID4
Rosedale-Rio Bravo	29,900	435	1,868			32,203					40,239 [4]	(19,575) [7]	10,000 [3]	(417) [9]		62,450	62,450	0	RRB
Buena Vista	21,300		33,229	144	444	55,117						13,000 [13]	26,205 [12]	1,966 [10]		96,288	92,573	3,715	BV
Kern Delta	25,500		1,912	173	532	28,117			(2,580)		5,065 [19]		(26,205) [12]			4,397	4,397	0	KD
Henry Miller	35,500	1,791	4,066	240	740	42,337								6,500 [24]		48,837	47,908	929	HM
West Kern	31,500	158	2,898	213		34,769						(21,500) [20]				13,269	13,085	184	WK
Wheeler Ridge	197,088	3,435	30,046	1,335	4,101	236,005	(15,512)							(4,255) [24]		216,238	214,415	1,823	WRM
Tehachapi - AG	4,300		370			4,670										4,670	4,670	0	THC-Ag
Tehachapi - M&I	15,000					15,000						(13,219) [1]				1,781	1,781	0	THM-M&I
Tejon Castac - M&I	2,000	(8)	1,271			3,263										3,263	3,263	0	TJC-M&I
Tejon Castac - AG	3,278					3,278										3,278	527	2,751	TJC-Ag
						0										0		0	
Kern Natl. Wild. Ref.						0						19,575 [7]				19,575	19,575	0	KNWR
DWR						0		101,740								101,740	101,740	0	DWR
Arvin-Edison WSD			2,815			2,815					5,440 [23]	16,233 [20]	17,250 [3]	417 [9]	3,205 [18]	45,360	45,360	0	AEWSD
North Kern WSD						0						5,267 [20]	6,000 [17]	17,255 [10]	5,188 [18]	33,710	33,710	0	NKWSD
Westlands WD						0										0	0	0	Co. of Kern
Westside Mutual						0										0	0	0	WMWC
SLDMWA						0										0	0	0	SLDMWA
Dudley Ridge WD			4,077			4,077					1,593 [15]					5,670	5,670	0	DRWD
KCWA	8,000	(46)				7,954			20,321	(1,103) [6]		(10,000) [5]	(6,123) [3]		6,766 [14]	17,815	0	17,815	KCWA
KCWA / Nickel						0						10,000 [5]			(8,393) [18]	1,607	0	1,607	KCWA/Nick
KTWD / RGWD						0										0	0	0	KTWD
Western Hills WD						0				1,103 [6]						1,103	1,103	0	WHWD
EWA						0										0	0	0	EWA
Total	998,730	5,418	256,908	6,081	12,529	1,279,666	0	101,740	0	0	164,561	0	0	0	0	1,545,967	1,513,008	32,959	
			252,831	252,831	0														

[1] - Transfer of Tehachapi-Cummings CWD 2006 SWP water (13,219 AF) to ID4 under 1-yr. extension of the Long Term M&I Pool agreement.
[2] - Includes transfers of 2005 c/o from Alameda County WD (504 AF), and Alameda Zone 7 (197 AF); transfer of 2006 Article 21 water from SCVWD (10,463 AF) and Alameda Co. (1,922 AF); transfer of 2006 Table A water from Alameda (25,021 AF), Zone 7 (5,543 AF); transfer of 2006 CVP water (53,573 AF); transfer 2006 SWP water (5,000 AF) from Dudley Ridge WD to Semitropic WSD on behalf of common landowner DeAnza Properties.
[3] - Includes transfer of ID-4 2006 SWP/Art 21 water (17,250 AF) to AEWSD and RRB (10,000 AF) pursuant to ID-4/KTRG/(AE) annual exchange, and transfer of KCWA 2006 SWP Table A water (6,123 AF) to ID4 in exchange for a GW account.
[4] - Transfer of 2005 c/o water (1,450 AF) from Castaic Lake WA to RRBWSD for banking; transfer/exchange of Panoche WD 2006 CVP water (20,239 AF); transfer of Castaic Lake WA 2006 SWP water (18,550 AF) to RRBWSD for banking.
[5] - Transfer of KCWA LR River water (10,000 AF) by SWP exchange (acquired from the Lower River/MU SWP Block 2 Exchange) to Nickel to meet the annual Nickel obligation.
[6] - Transfer of KCWA SWP (2,832 AF) to Western Hills WD to meet the annual WHWD obligation.
[7] - Exchange of RRBWSD 2006 SWP water (19,575 AF) to USBR for KNWR in exchange for a like amount of Panoche WD CVP water.
[8] - Transfer of BMWD 2006 SWP water (500 AF) to BWSD on behalf of common landowner Chaparral.
[9] - Transfer of RRBWSD 2006 SWP water (417 AF) to AEWSD as payback for a prior year exchange.
[10] - Exchange of ID4 2006 SWP/Art 21 water (Cat. A=10,253 AF& Cat. B=879 AF) to NKWD for a like amount of Kern River water and exchange of ID4 2006 SWP water (1,966 AF) to BVWSD for a like amount of Kern River water and exchange of ID4 2006 SWP water (6,123 AF) to NKWD for a like amount of KR water in the future.
[11] - Landowner transfer of LHWD 2006 SWP water (235 AF) to SWSD on behalf of common landowner Lost Hills Utility District.
[12] - Exchange of KDWD 2006 SWP water (26,205 AF) to BVWSD for a like amount of Kern River water.
[13] - Exchange of CWD 2006 SWP water (13,000 AF) to BVWSD for a like amount of Kern River water.
[14] - Operational Exchange of 2006 SWP recharge water (LH=515 AF, BEL=4,998 AF, ST=513 AF & ID4=740 for KCWA Lower River water (6,766 AF) in San Luis Reservoir in June & July.
[15] - Transfer of Dudley Ridge WD 2006 SWP water (652 AF) for banking in Kern Water bank.
[16] - Transfer of Alameda Zone 7 2006 SWP water (10,001 AF) to Cawelo WD for banking.
[17] - Transfer of CWD 2006 SWP water (6,000 AF) to North Kern WSD pursuant to long-term exchange.
[18] - Transfer of KCWA/Nickel water (8,393 AF) to North Kern WSD for banking.
[19] - Transfer of MWD 2006 SWP water (5,065 AF) to Kern Delta WD for banking.
[20] - Exchange of West Kern WD 2006 SWP water (21,500 AF) to North Kern WSD/AEWSD in exchange for a like amount of Kern River water to ID4 and a like amount of banked groundwater from ID4 to to West Kern.
[21] - Landowner transfer of BMWD 2006 SWP water (1,150 AF) to BWSD on behalf of common landowner Sandridge Partners.
[22] - Delivery of Isabella Reservoir Kern River mandatory release water (70,624 AF) and water Friant Kern (31,116 AF)to the Aqueduct via the Kern River Intertie.
[23] - Transfer of MWD 2006 SWP water (5,028 AF) to Arvin-Edison WSD for banking.
[24] - Transfer/sale of 6,500 AF (BM=2,245 AF & WRM=4,255 AF) of 2006 SWP water to Henry Miller WD and landowner transfers from Lost Hiils WD to Berrenda Mesa WD (550 AF) and Belridge WSD (550 AF) on behalf of common landowner Sandridge Partners.
[25] - Wheeler-Ridge Maricopa WSD internal Article 21 water reclassification request (15,512 AF). LHWD requested 6,800 AF on behalf of WMWC and the balance 8,712 AF was reclassed among MUs (BM=1,601 AF, LH=1,914 AF, BEL=1,912 AF & ID4=3,285 AF) taking Article 21 water in December.

2006
Kern County Water Agency
In-District and / or Transfer Deliveries

(Quantities in Acre-Feet)
Deliveries through December 31, 2006 (subject to change)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Berrenda Mesa	85	2,748	1,513	3,782	10,261	12,789	17,925	16,079	11,843	4,326	1,710	2,153	85,214
Lost Hills	901	2,451	2,832	2,929	7,794	11,049	15,581	14,943	8,633	3,435	2,900	691	74,139
Belridge	1,773	3,865	3,472	5,290	14,962	19,254	23,358	19,584	12,259	6,075	3,672	2,528	116,092
Semitropic	3,042	23,814	17,283	13,459	35,145	46,384	57,049	45,969	28,841	15,418	15,137	1,312	302,853
Cawelo							4,449	5,604	2,780	5,660	3,622	471	22,586
Imp Dist #4	3,407	6,992	5,624	0			6,248	10,711	7,373	8,215	7,607	7,405	63,582
Rosedale-Rio Bravo	1,457	10,663	8,481	718			4,061	5,342	10,343	7,988	5,636	3,392	58,081
Buena Vista	21,485	10,491	14			748	25,922	26,692	3,350		200	432	89,334
Kern Delta	0	0	0						766	1,719			2,485
Henry Miller	1,791	1,962	1,734	370		1,034	8,836	8,663			8,844	14,674	47,908
West Kern	263	299	281	245	266	288	484	464	437	459	296	287	4,069
Wheeler Ridge	1,965	7,841	9,444	10,415	20,245	26,445	28,997	24,610	16,475	8,722	5,130	4,800	165,089
Tehachapi - AG					370	1,231	1,190	1,235	644				4,670
Tehachapi - M&I									554	1,198	29		1,781
Tejon Castac - M&I	9	14	12	15	27	26	30	31	29	24	21	12	250
Tejon Castac - AG													0
Kern Natl. Wild. Ref				255	493		40	1,561	4,656	4,698	5,135	2,737	19,575
DWR					81,669	20,071							101,740
Arvin-Edison WSD	175		48				5,853	10,354	11,570	9,362	4,771	3,227	45,360
North Kern WSD		3,116	7,137				605	4,324	2,413	3,814	5,952	6,349	33,710
Westlands WD													0
Westside Mutual													0
SLDMWA													0
Dudley Ridge WD													0
KCWA													0
KCWA / Nickel													0
KTWD / RGWD													0
Western Hills WD	10	32	30	46	121	181	196	161	136	95	54	41	1,103
EWA													0
Total Deliveries	36,363	74,288	57,905	37,524	171,353	139,500	200,824	196,327	123,102	81,208	70,716	50,511	1,239,621
	36,363	110,651	168,556	206,080	377,433	516,933	717,757	914,084	1,037,186	1,118,394	1,189,110	1,239,621	

Print Boundary

2006
Kern County Water Agency
KCWA Project Recharge Deliveries

(Quantities in Acre-Feet)

Deliveries through December 31, 2006 (subject to change)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Berrenda Mesa	2,060	6,620	6,040	234			1,777	2,991	2,961	3,525	4,523	6,075	36,806
Lost Hills	4,389	6,439	5,962	231		224	1,770	12,592	11,574	11,166	8,573	4,936	67,856
Belridge	1,997	6,581	6,064	233		1,611	10,854	2,818	2,976	3,333	3,927	5,183	45,577
Semitropic	552	1,710	1,480			159	2,984	2,126	1,818	1,377	3,508	3,513	19,227
Cawelo													0
Imp Dist #4	1,126	3,997	2,126	141			2,270	3,184	3,479	3,699	3,663	3,164	26,849
Rosedale-Rio Bravo	904	92	325	377					701	36	405	1,529	4,369
Buena Vista	2,141	546	552				0						3,239
Kern Delta	196	1,135	581										1,912
Henry Miller													0
West Kern	510	1,385	487	26			928	906	1,348	1,385	1,268	773	9,016
Wheeler Ridge	4,568	10,468	9,921	348			934	4,828	5,656	4,626	4,013	3,964	49,326
Tehachapi - AG													0
Tehachapi - M&I													0
Tejon Castac - M&I	236	501	508	26			455	409	393	364		121	3,013
Tejon Castac - AG											317	210	527
Kern Natl. Wild. Ref													0
DWR													0
Arvin-Edison WSD													0
North Kern WSD													0
Westlands WD													0
Westside Mutual													0
SLDMWA													0
Dudley Ridge WD	718	1,574	1,530	122		150					502	1,074	5,670
KCWA													0
KCWA / Nickel													0
KTWD / RGWD													0
Western Hills WD													0
EWA													0
Total Deliveries	19,397	41,048	35,576	1,738	0	2,144	21,972	29,854	30,906	29,511	30,699	30,542	273,387
	19,397	60,445	96,021	97,759	97,759	99,903	121,875	151,729	182,635	212,146	242,845	273,387	

2006
Kern County Water Agency
CVC / Alejandro GW Deliveries

(Quantities in Acre-Feet)

Deliveries through December 31, 2006 (subject to change)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Berrenda Mesa													0
Lost Hills													0
Belridge													0
Semitropic													0
Cawelo													0
Imp Dist #4													0
Rosedale-Rio Bravo													0
Buena Vista													0
Kern Delta													0
Henry Miller													0
West Kern													0
Wheeler Ridge													0
Tehachapi - AG													0
Tehachapi - M&I													0
Tejon Castac - M&I													0
Tejon Castac - AG													0
Kern Natl. Wild. Ref													0
DWR													0
Arvin-Edison WSD													0
North Kern WSD													0
Westlands WD													0
Westside Mutual													0
SLDMWA													0
Dudley Ridge WD													0
KCWA													0
KCWA / Nickel													0
KTWD / RGWD													0
Western Hills WD													0
EWA													0
Total Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	

2006
Kern County Water Agency
Total Deliveries

(Quantities in Acre-Feet)

Deliveries through December 31, 2006 (subject to change)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Berrenda Mesa	2,145	9,368	7,553	4,016	10,261	12,789	19,702	19,070	14,804	7,851	6,233	8,228	122,020
Lost Hills	5,290	8,890	8,794	3,160	7,794	11,273	17,351	27,535	20,207	14,601	11,473	5,627	141,995
Belridge	3,770	10,446	9,536	5,523	14,962	20,865	34,212	22,402	15,235	9,408	7,599	7,711	161,669
Semitropic	3,594	25,524	18,763	13,459	35,145	46,543	60,033	48,095	30,659	16,795	18,645	4,825	322,080
Cawelo	0	0	0	0	0	0	4,449	5,604	2,780	5,660	3,622	471	22,586
Imp Dist #4	4,533	10,989	7,750	141	0	0	8,518	13,895	10,852	11,914	11,270	10,569	90,431
Rosedale-Rio Bravo	2,361	10,755	8,806	1,095	0	0	4,061	5,342	11,044	8,024	6,041	4,921	62,450
Buena Vista	23,626	11,037	566	0	0	748	25,922	26,692	3,350	0	200	432	92,573
Kern Delta	196	1,135	581	0	0	0	0	0	766	1,719	0	0	4,397
Henry Miller	1,791	1,962	1,734	370	0	1,034	8,836	8,663	0	0	8,844	14,674	47,908
West Kern	773	1,684	768	271	266	288	1,412	1,370	1,785	1,844	1,564	1,060	13,085
Wheeler Ridge	6,533	18,309	19,365	10,763	20,245	26,445	29,931	29,438	22,131	13,348	9,143	8,764	214,415
Tehachapi - AG	0	0	0	0	370	1,231	1,190	1,235	644	0	0	0	4,670
Tehachapi - M&I	0	0	0	0	0	0	0	0	554	1,198	29	0	1,781
Tejon Castac - M&I	245	515	520	41	27	26	485	440	422	388	21	133	3,263
Tejon Castac - AG	0	0	0	0	0	0	0	0	0	0	317	210	527
Kern Natl. Wild. Ref	0	0	0	255	493	0	40	1,561	4,656	4,698	5,135	2,737	19,575
DWR	0	0	0	0	81,669	20,071	0	0	0	0	0	0	101,740
Arvin-Edison WSD	175	0	48	0	0	0	5,853	10,354	11,570	9,362	4,771	3,227	45,360
North Kern WSD	0	3,116	7,137	0	0	0	605	4,324	2,413	3,814	5,952	6,349	33,710
Westlands WD	0	0	0	0	0	0	0	0	0	0	0	0	0
Westside Mutual	0	0	0	0	0	0	0	0	0	0	0	0	0
SLDMWA	0	0	0	0	0	0	0	0	0	0	0	0	0
Dudley Ridge WD	718	1,574	1,530	122	0	150	0	0	0	0	502	1,074	5,670
KCWA	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA / Nickel	0	0	0	0	0	0	0	0	0	0	0	0	0
KTWD / RGWD	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Hills WD	10	32	30	46	121	181	196	161	136	95	54	41	1,103
EWA	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries	55,760	115,336	93,481	39,262	171,353	141,644	222,796	226,181	154,008	110,719	101,415	81,053	1,513,008
	55,760	171,096	264,577	303,839	475,192	616,836	839,632	1,065,813	1,219,821	1,330,540	1,431,955	1,513,008	

2005-2006 WATER LEVEL MONITORING PROGRAM

Groundwater levels in the Kern Fan Banking Projects (Projects) were monitored regularly in the 2005-2006 period. Groundwater level measurements were taken in more than 300 production and monitoring wells located throughout the Projects and surrounding lands. Variations of the groundwater level monitoring run were completed on a monthly basis. The monitoring runs were adjusted monthly to capture changes in groundwater levels based on the size of the recharge operations. Additionally, continuous measurements are taken on monitoring wells at various locations within West Kern and the Kern Water Bank.

STATE WELL NUMBER	29S/26E-31H01		STATE WELL NUMBER	29S/26E-31H02	
WELL NAME	31H1 - Deep - EAST		WELL NAME	31H2 - Shallow - WEST	
PERFORATED INTERVAL	31H01 PERF INT 560'-630'		PERFORATED INTERVAL	31H02 PERF INT 360'-430'	
REFERENCE POINT ELEVATION (ft.)	337.0		REFERENCE POINT ELEVATION (ft.)	337.0	
GROUND SURFACE ELEVATION (ft.)	336.0		GROUND SURFACE ELEVATION (ft.)	336.0	
READING DATE	ELEV.	DEPTH	READING DATE	ELEV.	DEPTH
28-Jan-05	174.0	162.0	28-Jan-05	178.0	158.0
25-Feb-05	175.0	161.0	25-Feb-05	179.0	157.0
31-Mar-05	174.0	162.0	31-Mar-05	178.0	158.0
29-Apr-05	166.0	170.0	29-Apr-05	171.0	165.0
31-May-05	164.0	172.0	31-May-05	166.0	170.0
30-Jun-05	171.0	165.0	30-Jun-05	180.0	156.0
29-Jul-05	172.0	164.0	29-Jul-05	181.0	155.0
31-Aug-05	188.0	148.0	31-Aug-05	189.0	147.0
30-Sep-05	195.0	141.0	30-Sep-05	196.0	140.0
31-Oct-05	206.0	130.0	31-Oct-05	207.0	129.0
30-Nov-05	217.0	119.0	30-Nov-05	219.0	117.0
30-Dec-05	217.0	119.0	30-Dec-05	219.0	117.0
31-Jan-06	221.0	115.0	31-Jan-06	231.0	105.0
28-Feb-06	234.0	102.0	28-Feb-06	238.0	98.0
31-Mar-06	238.0	98.0	31-Mar-06	243.0	93.0
28-Apr-06	234.0	102.0	28-Apr-06	239.0	97.0
31-May-06	232.0	104.0	31-May-06	241.0	95.0
30-Jun-06	233.0	103.0	30-Jun-06	243.0	93.0
31-Jul-06	216.0	120.0	31-Jul-06	238.0	98.0
31-Aug-06	237.0	99.0	31-Aug-06	244.0	92.0
30-Sep-06	241.0	95.0	30-Sep-06	251.0	85.0
31-Oct-06	247.0	89.0	31-Oct-06	257.0	79.0
30-Nov-06	243.0	93.0	30-Nov-06	257.0	79.0
29-Dec-06	253.0	83.0	29-Dec-06	261.0	75.0

STATE WELL NUMBER	29S/26E-35H01			STATE WELL NUMBER	29S/26E-35H03			STATE WELL NUMBER	29S/26E-35H04		
WELLNAME	Shop			WELLNAME	35H3-Deep-S.E.			WELLNAME	35H4-Shallow-N.W.		
PERFORATED INTERVAL	35H01 PERF INT 300'-500' (Shop)			PERFORATED INTERVAL	35H03 PERF INT 590'-680'			PERFORATED INTERVAL	35H04 PERF INT 310'-410'		
REFERENCE POINT ELEVATION (ft.)	361.0			REFERENCE POINT ELEVATION (ft.)	360.0			REFERENCE POINT ELEVATION (ft.)	360.0		
GROUND SURFACE ELEVATION (ft.)	360.0			GROUND SURFACE ELEVATION (ft.)	359.0			GROUND SURFACE ELEVATION (ft.)	359.0		
	READING DATE	ELEV.	DEPTH		READING DATE	ELEV.	DEPTH		READING DATE	ELEV.	DEPTH
29S/26E-35H01	28-Jan-05	232.0	128.0	29S/26E-35H03	28-Jan-05	222.0	137.0	29S/26E-35H04	28-Jan-05	224.0	135.0
29S/26E-35H01	25-Feb-05	232.0	128.0	29S/26E-35H03	25-Feb-05	222.0	137.0	29S/26E-35H04	25-Feb-05	224.0	135.0
29S/26E-35H01	31-Mar-05	233.0	127.0	29S/26E-35H03	31-Mar-05	222.0	137.0	29S/26E-35H04	31-Mar-05	225.0	134.0
29S/26E-35H01	29-Apr-05	233.0	127.0	29S/26E-35H03	29-Apr-05	222.0	137.0	29S/26E-35H04	29-Apr-05	225.0	134.0
29S/26E-35H01	31-May-05	237.0	123.0	29S/26E-35H03	31-May-05	223.0	136.0	29S/26E-35H04	31-May-05	228.0	131.0
29S/26E-35H01	30-Jun-05	239.0	121.0	29S/26E-35H03	30-Jun-05	225.0	134.0	29S/26E-35H04	30-Jun-05	232.0	127.0
29S/26E-35H01	29-Jul-05	240.0	120.0	29S/26E-35H03	29-Jul-05	225.0	134.0	29S/26E-35H04	29-Jul-05	232.0	127.0
29S/26E-35H01	31-Aug-05	241.0	119.0	29S/26E-35H03	31-Aug-05	227.0	132.0	29S/26E-35H04	31-Aug-05	234.0	125.0
29S/26E-35H01	30-Sep-05	255.0	105.0	29S/26E-35H03	30-Sep-05	235.0	124.0	29S/26E-35H04	30-Sep-05	241.0	118.0
29S/26E-35H01	31-Oct-05	258.0	102.0	29S/26E-35H03	31-Oct-05	239.0	120.0	29S/26E-35H04	31-Oct-05	245.0	114.0
29S/26E-35H01	30-Nov-05	259.0	101.0	29S/26E-35H03	30-Nov-05	245.0	114.0	29S/26E-35H04	30-Nov-05	250.0	109.0
29S/26E-35H01	30-Dec-05	261.0	99.0	29S/26E-35H03	30-Dec-05	247.0	112.0	29S/26E-35H04	30-Dec-05	252.0	107.0
29S/26E-35H01	31-Jan-06	271.0	89.0	29S/26E-35H03	31-Jan-06	250.0	109.0	29S/26E-35H04	31-Jan-06	255.0	104.0
29S/26E-35H01	28-Feb-06	273.0	87.0	29S/26E-35H03	28-Feb-06	252.0	107.0	29S/26E-35H04	28-Feb-06	257.0	102.0
29S/26E-35H01	31-Mar-06	274.0	86.0	29S/26E-35H03	31-Mar-06	254.0	105.0	29S/26E-35H04	31-Mar-06	259.0	100.0
29S/26E-35H01	28-Apr-06	275.0	85.0	29S/26E-35H03	28-Apr-06	256.0	103.0	29S/26E-35H04	28-Apr-06	261.0	98.0
29S/26E-35H01	31-May-06	275.0	85.0	29S/26E-35H03	31-May-06	253.0	106.0	29S/26E-35H04	31-May-06	259.0	100.0
29S/26E-35H01	30-Jun-06	276.0	84.0	29S/26E-35H03	30-Jun-06	253.0	106.0	29S/26E-35H04	30-Jun-06	260.0	99.0
29S/26E-35H01	31-Jul-06	276.0	84.0	29S/26E-35H03	31-Jul-06	254.0	105.0	29S/26E-35H04	31-Jul-06	261.0	98.0
29S/26E-35H01	31-Aug-06	276.0	84.0	29S/26E-35H03	31-Aug-06	250.0	109.0	29S/26E-35H04	31-Aug-06	257.0	102.0
29S/26E-35H01	30-Sep-06	277.0	83.0	29S/26E-35H03	30-Sep-06	254.0	105.0	29S/26E-35H04	30-Sep-06	261.0	98.0
29S/26E-35H01	31-Oct-06	277.0	83.0	29S/26E-35H03	31-Oct-06	258.0	101.0	29S/26E-35H04	31-Oct-06	264.0	95.0
29S/26E-35H01	30-Nov-06	282.0	78.0	29S/26E-35H03	30-Nov-06	261.0	98.0	29S/26E-35H04	30-Nov-06	266.0	93.0
29S/26E-35H01	29-Dec-06	283.0	77.0	29S/26E-35H03	29-Dec-06	263.0	96.0	29S/26E-35H04	29-Dec-06	268.0	91.0

STATE WELL NUMBER	30S/24E-13D01		30S/24E-13D02		30S/24E-13D03		30S/24E-13D04				
WELL NAME	13D1-Shallow		13D2-Middle		13D3-Deep		13D4-S. Shallow				
PERFORATED INTERVAL	13D01 PERF INT 150'-250'		13D02 PERF INT 320'-360'		13D03 PERF INT 520'-650'		13D04 PERF INT 65'-120'		13D04 DRY		
REFERENCE POINT ELEVATION (ft.)	287.5		287.5		287.5		288.0		DRY READINGS		
GROUND SURFACE ELEVATION (ft.)	289.5		289.0		288.5		289.0		30S/24E-13D04		
READING DATE	ELEV.	DEPTH	ELEV.	DEPTH	ELEV.	DEPTH	ELEV.	DEPTH	READING DATE	DRY AT ELEV	DRY AT
28-Jan-05	169.4	118.1	156.0	131.5	149.9	137.6	171.8	116.2			
10-Mar-05	170.9	116.6	163.0	124.5	158.0	129.5	170.4	117.6			
07-Apr-05	177.9	109.6	167.4	120.1	163.4	124.1	175.3	112.7			
23-May-05	193.1	94.4	183.4	104.1	177.6	109.9	227.1	60.9			
20-Jun-05	197.7	89.8	185.9	101.6	179.8	107.7					
07-Jul-05	200.2	87.3	186.6	100.9	181.0	106.5					
17-Aug-05	203.3	84.2	190.2	97.3	183.8	103.7	207.9	80.1			
12-Sep-05	203.7	83.8	191.2	96.3	184.8	102.7	207.9	80.1			
10-Oct-05	205.4	82.1	193.7	93.8	187.3	100.2	210.0	78.0			
04-Nov-05	208.4	79.1	198.6	88.9	192.7	94.8					
15-Dec-05	214.9	72.6	203.1	84.4	197.2	90.3	220.9	67.1			
06-Jan-06	218.9	68.6	207.7	79.8	201.2	86.3	226.0	62.0			
03-Feb-06	224.1	63.4	212.1	75.4	204.2	83.3	240.6	47.4			
06-Mar-06	228.7	58.8	216.9	70.6	208.7	78.8	234.6	53.4			
19-Apr-06	233.8	53.7	223.2	64.3	215.6	71.9	238.7	49.3			
04-May-06	235.6	51.9	222.0	65.5	214.6	72.9	240.4	47.6			
06-Jul-06	244.1	43.4	227.0	60.5	219.3	68.2	249.1	38.9			
14-Sep-06	245.9	41.6	230.1	57.4	220.4	67.1	252.1	35.9			
01-Nov-06	245.4	42.1	232.3	55.2	223.5	64.0	251.4	36.6			

STATE WELL NUMBER	30S/25E-04J02		30S/25E-04J03		30S/25E-04J04		30S/25E-04J05				
WELL NAME	Shallow		Middle		Deep		S.Shallow				
PERFORATED INTERVAL	04J02 PERF INT 190'-250'		04J03 PERF INT 345'-455'		04J04 PERF INT 565'-625'		04J05 PERF INT 140'-150'		04J05 DRY		
REFERENCE POINT ELEVATION (ft.)	313.0		312.5		312.0		313.0		30S/25E-04J05 DRY		
GROUND SURFACE ELEVATION (ft.)	311.0		311.0		311.0		311.0		DRY READINGS		
READING DATE	ELEV.	DEPTH	ELEV.	DEPTH	ELEV.	DEPTH	ELEV.	DEPTH	READING DATE	DRY AT ELEV	DRY AT
10-Feb-05	151.3	159.7	152.6	158.4	154.0	157.0					
10-Mar-05	151.6	159.4	148.7	162.3	152.0	159.0					
11-Apr-05	154.5	156.5	156.8	154.2	158.5	152.5	182.8	128.2			
23-May-05	165.6	145.4	170.2	140.8	172.0	139.0					
15-Jun-05	177.0	134.0	180.5	130.5	181.9	129.1	173.7	137.3			
07-Jul-05	188.3	122.7	184.5	126.5	188.4	122.6	194.7	116.3			
16-Aug-05	203.1	107.9	196.3	114.7	196.2	114.8	210.3	100.7			
31-Aug-05	206.8	104.2	198.0	113.0	199.6	111.4	213.9	97.1			
10-Oct-05	229.1	81.9	222.3	88.7	228.8	82.2	246.8	64.2			
03-Nov-05	240.9	70.1	232.9	78.1	228.5	82.5	249.4	61.6			
15-Dec-05	248.0	63.0	241.0	70.0	237.0	74.0	254.2	56.8			
06-Jan-06	253.3	57.7	246.2	64.8	241.7	69.3	259.6	51.4			
09-Feb-06	260.0	51.0	245.9	65.1	243.2	67.8	267.3	43.7			
06-Mar-06	265.3	45.7	256.5	54.5	251.8	59.2	272.2	38.8			
19-Apr-06	268.9	42.1	256.1	54.9	252.3	58.7	276.4	34.6			
05-May-06	269.6	41.4	256.1	54.9	252.3	58.7	277.5	33.5			
07-Jul-06	274.0	37.0	263.9	47.1	256.6	54.4	280.9	30.1			
14-Sep-06	276.9	34.1	264.2	46.8	257.7	53.3	284.2	26.8			
01-Nov-06	281.1	29.9	270.7	40.3	263.0	48.0	287.4	23.6			

STATE WELL NUMBER	30S/25E-07A02		30S/25E-07A03		30S/25E-07A04		30S/25E-07A05				
WELL NAME	SHALLOW		MIDDLE		DEEP		S. SHALLOW				
PERFORATED INTERVAL	07A02 PERF INT 220'-290'		07A03 PERF INT 420'-470'		07A04 PERF INT 530'-620'		07A05 PERF INT 100'-120'		07A05 DRY		
REFERENCE POINT ELEVATION (ft.)	299.5		299.0		298.5		299.0		DRY READINGS		
GROUND SURFACE ELEVATION (ft.)	297.5		297.5		297.5		298.0		30S/25E-07A05		
READING DATE	ELEV.	DEPTH	ELEV.	DEPTH	ELEV.	DEPTH	ELEV.	DEPTH	READING DATE	DRY AT ELEV	DRY AT
07-Feb-05	138.4	159.1	137.1	160.4	138.4	159.1			07-Feb-05	177.5	121.5
10-Mar-05	140.7	156.8	140.1	157.4	140.6	156.9			10-Mar-05	177.0	121.0
06-Apr-05	140.6	156.9	139.3	158.2	142.0	155.5			06-Apr-05	177.7	121.3
23-May-05	146.5	151.0	147.8	149.7	151.0	146.5			23-May-05	176.2	121.8
20-Jun-05	148.2	149.3	149.5	148.0	154.9	142.6					
07-Jul-05	150.3	147.2	152.1	145.4	158.0	139.5					
16-Aug-05	154.7	142.8	156.4	141.1	163.4	134.1			16-Aug-05	177.4	121.6
12-Sep-05	158.6	138.9	161.2	136.3	168.8	128.7			12-Sep-05	176.9	121.1
10-Oct-05	164.9	132.6	167.2	130.3	176.4	121.1			10-Oct-05	178.3	119.7
04-Nov-05	172.3	125.2	175.6	121.9	183.3	114.2	182.1	115.9			
15-Dec-05	181.4	116.1	183.3	114.2	190.4	107.1	191.8	106.2			
06-Jan-06	186.8	110.7	188.7	108.8	195.2	102.3	196.0	102.0			
14-Feb-06	193.9	103.6	192.4	105.1	198.5	99.0	203.5	94.5			
06-Mar-06	199.1	98.4	197.8	99.7	202.5	95.0	210.5	87.5			
19-Apr-06	211.7	85.8	206.4	91.1	208.8	88.7	233.3	64.7			
03-May-06	210.9	86.6	204.4	93.1	208.2	89.3	241.6	56.4			
06-Jul-06	217.0	80.5	207.3	90.2	208.0	89.5	258.3	39.7			
14-Sep-06	218.7	78.8	208.7	88.8	209.4	88.1	256.4	41.6			
01-Nov-06	227.4	70.1	217.3	80.2	215.4	82.1	264.6	33.4			

STATE WELL NUMBER	30S/25E-14C02	
WELL NAME	MUNZER	
PERFORATED INTERVAL	PERF INTERVAL 240'	
REFERENCE POINT ELEVATION (ft.)	319.00	
GROUND SURFACE ELEVATION (ft.)	318.00	
READING DATE	ELEV.	DEPTH
10-Feb-05	187.6	130.4
23-Feb-05	187.9	130.1
11-Apr-05	192.5	125.5
15-Jun-05		
31-Aug-05	261.9	56.1
18-Oct-05	251.6	66.4
03-Nov-05		
15-Dec-05		
13-Feb-06	301.6	16.4
06-Mar-06	303.5	14.5
19-Apr-06	306.3	11.7
05-May-06	306.6	11.4
28-Jul-06		
14-Sep-06		
03-Oct-06		
01-Nov-06		

STATE WELL NUMBER	30S/25E-16L01		30S/25E-16L02		30S/25E-16L03		30S/25E-16L04				
WELL NAME	Shallow		Middle		Deep		S.Shallow				
PERFORATED INTERVAL	16L01 PERF INT 285'-345		16L02 PERF INT 515'-555'		16L03 PERF INT 654'-690'		16L04 PERF INT 100'-130'				
REFERENCE POINT ELEVATION (ft.)	305.5		305.0		304.5		305.0		DRY READINGS		
GROUND SURFACE ELEVATION (ft.)	304.0		304.0		304.0		304.0		30S/25E-16L04		
READING DATE	ELEV.	DEPTH	ELEV.	DEPTH	ELEV.	DEPTH	ELEV.	DEPTH	READING DATE	DRY AT ELEV	DRY AT
07-Feb-05	168.9	135.1	159.4	144.6	163.5	140.5	194.1	109.9			
10-Mar-05	176.5	127.5	164.3	139.7	166.8	137.2	222.5	81.5			
07-Apr-05	187.4	116.6	170.2	133.8	172.6	131.4	256.3	47.7			
23-May-05	212.6	91.4	188.3	115.7	193.4	110.6	275.6	28.4			
20-Jun-05	223.4	80.6	195.9	108.1	201.5	102.5	278.1	25.9			
07-Jul-05	228.0	76.0	199.9	104.1	205.8	98.2	279.8	24.2			
16-Aug-05	235.7	68.3	207.6	96.4	212.4	91.6	280.6	23.4			
06-Sep-05	240.8	63.2	212.4	91.6	217.2	86.8	282.4	21.6			
10-Oct-05	253.2	50.8	226.6	77.4	229.5	74.5	289.0	15.0			
03-Nov-05	258.4	45.6	231.7	72.3	235.4	68.6	287.4	16.6			
15-Dec-05	263.4	40.6	238.5	65.5	241.6	62.4	288.5	15.5			
06-Jan-06	266.5	37.5	244.0	60.0	246.4	57.6	290.9	13.1			
13-Feb-06	271.5	32.5	248.2	55.8	240.8	63.2	292.5	11.5			
06-Mar-06	273.2	30.8	249.7	54.3	252.5	51.5	293.0	11.0			
19-Apr-06	277.4	26.6	255.0	49.0	257.1	46.9	294.6	9.4			
02-May-06	276.6	27.4	254.2	49.8	256.7	47.3	294.4	9.6			
28-Jul-06	272.6	31.4	245.9	58.1	252.0	52.0	293.1	10.9			
19-Sep-06	274.9	29.1	249.8	54.2	254.9	49.1	293.9	10.1			
01-Nov-06	277.3	26.7	253.8	50.2	259.9	44.1	294.8	9.2			

STATE WELL NUMBER	30S/25E-21G02		30S/25E-21G03	
WELL NAME	21G2-South-Deep		21G3-North-Shallow	
PERFORATED INTERVAL	21G02 PERF INT 590'-660'		21G03 PERF INT 420'-480'	
REFERENCE POINT ELEVATION (ft.)	310.9		310.9	
GROUND SURFACE ELEVATION (ft.)	309.4		309.4	
READING DATE	ELEV.	DEPTH	ELEV.	DEPTH
09-Feb-05	163.3	146.1	168.3	141.1
10-Mar-05	170.7	138.7	174.3	135.1
05-Apr-05	172.6	136.8	179.2	130.2
23-May-05				
15-Jun-05	194.8	114.6	203.7	105.7
07-Jul-05	200.9	108.5	209.1	100.3
16-Aug-05	210.4	99.0	219.1	90.3
06-Sep-05	215.1	94.3	224.3	85.1
10-Oct-05	235.0	74.4	240.0	69.4
03-Nov-05	243.3	66.1	238.6	70.8
15-Dec-05	246.6	62.8	250.7	58.7
10-Jan-06	253.5	55.9	248.7	60.7
14-Feb-06	255.8	53.6	258.6	50.8
06-Mar-06	257.7	51.7	260.4	49.0
19-Apr-06	261.5	47.9	265.1	44.3
04-May-06	255.9	53.5	260.0	49.4
28-Jul-06	247.5	61.9	239.0	70.4
15-Sep-06	245.9	63.5	254.2	55.2
01-Nov-06	251.0	58.4	259.0	50.4

STATE WELL NUMBER	30S/25E-21N02	
WELL NAME	WKWD 2-02	
PERFORATED INTERVAL	PERF INTERVAL 196'-818'	
REFERENCE POINT ELEVATION (ft.)	301.0	
GROUND SURFACE ELEVATION (ft.)	300.0	
READING DATE	ELEV.	DEPTH
13-Jan-05	159.6	140.4
21-Jan-05	160.3	139.7
27-Jan-05	161.7	138.3
02-Feb-05	162.8	137.2
09-Feb-05	121.2	178.8
25-Feb-05	160.4	139.6
04-Mar-05	129.5	170.5
11-Mar-05	127.3	172.7
18-Mar-05	129.9	170.1
01-Apr-05	121.7	178.3
06-Apr-05	118.4	181.6
14-Apr-05	116.7	183.3
21-Apr-05	120.7	179.3
28-Apr-05	123.6	176.4
05-May-05	125.2	174.8
11-May-05	129.7	170.3
18-May-05	130.8	169.2
25-May-05	132.5	167.5
03-Jun-05	127.6	172.4
08-Jun-05	130.4	169.6
15-Jun-05	133.2	166.8
24-Jun-05	139.5	160.5
29-Jun-05	140.8	159.2
07-Jul-05	136.3	163.7
13-Jul-05	139.7	160.3
20-Jul-05	137.4	162.6
28-Jul-05	141.2	158.8
05-Aug-05	137.6	162.4

STATE WELL NUMBER	30S/25E-21N02	
WELL NAME	WKWD 2-02	
PERFORATED INTERVAL	PERF INTERVAL 196'-818'	
REFERENCE POINT ELEVATION (ft.)	301.0	
GROUND SURFACE ELEVATION (ft.)	300.0	
READING DATE	ELEV.	DEPTH
12-Aug-05	139.4	160.6
19-Aug-05	144.8	155.2
26-Aug-05	148.5	151.5
31-Aug-05	151.4	148.6
06-Sep-05	155.7	144.3
16-Sep-05	157.9	142.1
21-Sep-05	177.9	122.1
30-Sep-05	175.5	124.5
05-Oct-05	178.3	121.7
14-Oct-05	180.4	119.6
21-Oct-05	183.1	116.9
28-Oct-05	185.7	114.3
03-Nov-05	181.5	118.5
09-Nov-05	184.2	115.8
18-Nov-05	226.4	73.6
25-Nov-05	188.6	111.4
01-Dec-05	187.1	112.9
04-Jan-06	175.2	124.8
08-Feb-06	179.7	120.3
15-Feb-06	187.5	112.5
23-Feb-06	192.3	107.7
01-Mar-06	199.7	100.3
10-Mar-06	204.6	95.4
17-Mar-06	198.2	101.8
24-Mar-06	200.7	99.3
31-Mar-06	204.4	95.6
07-Apr-06	206.8	93.2
05-May-06	203.4	96.6

STATE WELL NUMBER	30S/25E-21N02	
WELL NAME	WKWD 2-02	
PERFORATED INTERVAL	PERF INTERVAL 196'-818'	
REFERENCE POINT ELEVATION (ft.)	301.0	
GROUND SURFACE ELEVATION (ft.)	300.0	
READING DATE	ELEV.	DEPTH
12-May-06	204.6	95.4
19-May-06	204.9	95.1
26-May-06	204.3	95.7
01-Jun-06	204.8	95.2
07-Jul-06	197.4	102.6
12-Jul-06	194.6	105.4
09-Aug-06	195.1	104.9
16-Aug-06	192.5	107.5
24-Aug-06	190.9	109.1
30-Aug-06	185.7	114.3
07-Sep-06	187.3	112.7
22-Sep-06	189.4	110.6
06-Oct-06	190.2	109.8
03-Nov-06	184.2	115.8
01-Dec-06	179.7	120.3

STATE WELL NUMBER	30S/25E-22R01		30S/25E-22R02		30S/25E-22R03	
WELL NAME	22R1-Shallow		22R2-Middle		22R3-Deep	
PERFORATED INTERVAL	22R01 PERF INT 80'-125'		22R02 PERF INT 235-300'		22R03 PERF INT 380'-460'	
REFERENCE POINT ELEVATION (ft.)	312.0		311.5		311.0	
GROUND SURFACE ELEVATION (ft.)	311.0		310.5		310.0	
READING DATE	ELEV.	DEPTH	ELEV.	DEPTH	ELEV.	DEPTH
09-Feb-05	215.9	95.1	200.1	110.4	197.9	112.1
10-Mar-05	215.5	95.5	200.3	110.2	196.6	113.4
05-Apr-05	216.7	94.3	203.8	106.7	202.1	107.9
23-May-05	241.8	69.2	201.5	109.0	192.4	117.6
20-Jun-05	256.3	54.7	205.4	105.1	193.2	116.8
07-Jul-05	264.3	46.7	211.2	99.3	200.6	109.4
17-Aug-05	275.5	35.5	226.2	84.3	215.4	94.6
06-Sep-05	277.4	33.6	230.5	80.0	221.0	89.0
10-Oct-05	281.9	29.1	232.7	77.8	220.6	89.4
03-Nov-05	284.1	26.9	241.1	69.4	233.1	76.9
15-Dec-05	286.3	24.7	247.1	63.4	241.7	68.3
06-Jan-06	287.5	23.5	249.4	61.1	244.7	65.3
14-Feb-06	288.4	22.6	251.9	58.6	244.5	65.5
06-Mar-06	289.1	21.9	251.5	59.0	241.3	68.7
19-Apr-06	290.6	20.4	256.6	53.9	248.9	61.1
04-May-06	289.8	21.2	250.6	59.9	238.2	71.8
28-Jul-06	289.0	22.0	247.7	62.8	235.2	74.8
14-Sep-06	293.3	17.7	256.5	54.0	246.4	63.6
01-Nov-06	294.4	16.6	262.3	48.2	251.9	58.1

STATE WELL NUMBER	30S/26E-04J01				30S/26E-04J02		30S/26E-04J03		30S/26E-04J04				
WELL NAME	SHALLOW				MIDDLE		DEEP		S. SHALLOW				
PERFORATED INTERVAL	04J01 PERF INT 100'-150'		DRY 04J01		04J02 PERF INT 223'-375'		04J03 PERF INT 560'-650'		04J04 PERF INT 45'-65'		DRY 04J04		
REFERENCE POINT ELEVATION (ft.)	345.5		DRY READINGS		345.5		345.5		345.5		DRY READINGS		
GROUND SURFACE ELEVATION (ft.)	350.8		30S/26E-04J01		350.8		350.8		351.0		30S/26E-O4J04		
READING DATE	ELEV.	DEPTH	DRY AT ELEV	DRY AT	ELEV.	DEPTH	ELEV.	DEPTH	ELEV.	DEPTH	READING DATE	DRY AT ELEV	DRY AT
06-Jan-05			221.4	124.1	179.3	166.2	171.5	174.0			06-Jan-05	282.0	69.0
31-Jan-05			221.5	124.0	194.6	150.9	194.8	150.7	317.2	33.8			
14-Mar-05	246.0	99.5			203.2	142.3	199.3	146.2	338.5	7.0			
07-Apr-05	247.9	97.6			207.9	137.6	203.6	141.9	342.2	3.3			
23-May-05	269.5	76.0			235.7	109.8	224.9	120.6	343.2	2.3			
20-Jun-05	285.5	60.0			253.7	91.8	236.4	109.1	345.1	0.4			
06-Jul-05	290.9	54.6			260.7	84.8	243.4	102.1	345.0	0.5			
15-Aug-05	298.6	46.9			271.0	74.5	252.6	92.9	345.3	0.2			
01-Sep-05	301.5	44.0			275.6	69.9	258.8	86.7	344.4	1.1			
11-Oct-05	306.0	39.5			281.3	64.2	261.3	84.2	344.9	0.6			
07-Nov-05	309.6	35.9			287.7	57.8	273.2	72.3	344.8	0.7			
15-Dec-05	310.0	35.5			290.6	54.9	277.5	68.0	339.0	6.5			
10-Jan-06	313.7	31.8			294.8	50.7	281.7	63.8	343.6	1.9			
13-Feb-06	316.8	28.7			298.2	47.3	282.7	62.8	345.1	0.4			
06-Mar-06	317.5	28.0			299.1	46.4	285.4	60.1	344.7	0.8			
19-Apr-06	320.6	24.9			302.8	42.7	288.1	57.4	345.5	0.0			
08-May-06	319.5	26.0			300.0	45.5	279.1	66.4	345.9	-0.4			
31-Jul-06	320.8	24.7			303.4	42.1	281.9	63.6	344.0	1.5			
19-Sep-06	321.0	24.5			304.7	40.8	286.1	59.4	341.3	4.2			
02-Nov-06	320.3	25.2			306.2	39.3	287.8	57.7	337.2	8.3			

STATE WELL NUMBER	30S/26E-25A02		30S/26E-25A03	
WELL NAME	DEEP SOUTH		SHALLOW NORTH	
PERFORATED INTERVAL	25A02 PERF INT 590' - 690'		25A03 PERF INT 290' - 390	
REFERENCE POINT ELEVATION (ft.)	348.0		348.0	
GROUND SURFACE ELEVATION (ft.)	349.0		349.0	
READING DATE	ELEV.	DEPTH	ELEV.	DEPTH
10-Feb-05	210.1	137.9	208.1	139.9
14-Mar-05	203.8	144.2	200.6	147.4
15-Apr-05	203.3	144.7	200.5	147.5
23-May-05	205.3	142.7	201.2	146.8
21-Jun-05	201.4	146.6	198.8	149.2
06-Jul-05	195.9	152.1	191.1	156.9
17-Aug-05	194.3	153.7	191.7	156.3
08-Sep-05	199.4	148.6	197.9	150.1
12-Oct-05	207.2	140.8	203.8	144.2
08-Nov-05	207.9	140.1	204.9	143.1
15-Dec-05	215.9	132.1	211.0	137.0
10-Jan-06	218.9	129.1	213.8	134.2
15-Feb-06	210.5	137.5	217.7	130.3
06-Mar-06	212.4	135.6	207.0	141.0
10-Mar-06	214.0	134.0	207.9	140.1
19-Apr-06	218.4	129.6	214.3	133.7
04-May-06	215.5	132.5	211.3	136.7
31-Jul-06	205.9	142.1	203.4	144.6
20-Sep-06	211.8	136.2	209.3	138.7
02-Nov-06	217.3	130.7	221.8	126.2

NEW WELL WATER QUALITY MONITORING SCHEDULE
Community System, > 3300 population, groundwater/agricultural (CLGA) **APPENDIX D**
UPDATED JANUARY 1999

This Monitoring Schedule is effective for the period January 1, 1999 · December 31, 2001.
This schedule supersedes all previous monitoring schedules.

Chemical - Title 22 Section	MCL (mg/l)	EPA Method	Frequency
Primary Inorganics - Section 64432			
Aluminum	1		Every 3 years
Antimony	0.006		Every 3 years
Arsenic	0.05		Every 3 years
Barium	1		Every 3 years
Beryllium	0.004		Every 3 years
Cadmium	0.005		Every 3 years
Chromium	0.05		Every 3 years
Cyanide	0.2		Waived
Mercury	0.002		Every 3 years
Nickel	0.1		Every 3 years
Selenium	0.05		Every 3 years
Thallium	0.002		Every 3 years
Lead	Lead Rule		Every 3 years
Fluoride - Section 64432			
Fluoride	1.4 · 2.4		Every 3 years
Asbestos - Section 64432.2			
Asbestos - Source Water	7 MFL		Waived
Asbestos - Distribution System sampling if Asbestos-Cement pipe used	7 MFL		Every 9 years if Aggressive Index ≤ 11.5
Nitrate/Nitrite - Section 64432.1			
Nitrate (as NO3)*	45		Annually if < 23 mg/l*
Nitrite (as nitrogen)**	1		Every 3 years if <0.5 mg/l**
Nitrate + Nitrite (sum as nitrogen)	10		N/A
Secondary Standards - Table 64449-A			
Aluminum	0.2		Every 3 years
Color	15		Every 3 years
Copper	1		Every 3 years
Corrosivity	non-corrosive		Every 3 years
Foaming Agents	0.5		Every 3 years
Iron	0.3		Every 3 years
Manganese	0.05		Every 3 years
Methyl-tert-butyl ether (MTBE)	**0.005**	**502.2, 524.2**	**Every 3 years**
Odor	3		Every 3 years
Silver	0.1		Every 3 years
Thiobencarb	0.001		Waived
Turbidity	5		Every 3 years
Zinc	5		Every 3 years
General Minerals - Section 64449			
Bicarbonate	N/A		Every 3 years
Carbonate	N/A		Every 3 years
Hydroxide Alkalinity	N/A		Every 3 years
Calcium	N/A		Every 3 years
Magnesium	N/A		Every 3 years
Sodium	N/A		Every 3 years
Hardness	N/A		Every 3 years
pH	N/A		Every 3 years
Secondary Standards - Table 64449-B			
TDS	500-1000;1500		Every 3 years
Specific Conductance	900-1600; 2200		Every 3 years
Chloride	250-500;600		Every 3 years
Sulfate	250-500;600		Every 3 years

MCL = Maximum Contaminant Level

***Nitrate** sampling shall be increased to quarterly following any result ≥ 23 mg/l.
This may be reduced to annual, upon request, if all 4 quarterly results are < 45 mg/l.

****Nitrite** sampling shall be increased to quarterly following any result ≥ 0.5 mg/l.
This may be reduced to annual, upon request, if all 4 quarterly results are < 1.0 mg/l.

BSL/WQMONITORING/99WAIVER/99CLGA.XLS 1/99

NEW WELL WATER QUALITY MONITORING SCHEDULE

Community System, > 3300 population, groundwater/agricultural (CLGA) **APPENDIX D**

UPDATED JANUARY 1999

Chemical - Title 22 Section	MCL (mg/l)	EPA Method	Frequency**
VOCs - Table 64444-A (a)			
Benzene	0.001	502.2, 524.2	2 consec quarters, then every 3 years
Carbon Tetrachloride	0.0005	502.2, 524.2	2 consec quarters, then every 3 years
1,2-Dichlorobenzene	0.6	502.2, 524.2	2 consec quarters, then every 3 years
1,4-Dichlorobenzene	0.005	502.2, 524.2	2 consec quarters, then every 3 years
1,1-Dichloroethane	0.005	502.2, 524.2	2 consec quarters, then every 3 years
1,2-Dichloroethane	0.0005	502.2, 524.2	2 consec quarters, then every 3 years
1,1-Dichloroethylene	0.006	502.2, 524.2	2 consec quarters, then every 3 years
cis-1,2-Dichloroethylene	0.006	502.2, 524.2	2 consec quarters, then every 3 years
trans-1,2-Dichloroethylene	0.01	502.2, 524.2	2 consec quarters, then every 3 years
Dichloromethane	0.005	502.2, 524.2	2 consec quarters, then every 3 years
1,2-Dichloropropane	0.005	502.2, 524.2	2 consec quarters, then every 3 years
1,3-Dichloropropene	0.0005	502.2, 524.2	2 consec quarters, then every 3 years
Ethylbenzene	0.7	502.2, 524.2	2 consec quarters, then every 3 years
Methyl-tert-butyl ether (MTBE)	**To be adopted in '99**	**502.2, 524.2**	2 consec quarters, then every 3 years
Monochlorobenzene	0.07	502.2, 524.2	2 consec quarters, then every 3 years
Styrene	0.1	502.2, 524.2	2 consec quarters, then every 3 years
1,1,2,2-Tetrachloroethane	0.001	502.2, 524.2	2 consec quarters, then every 3 years
Tetrachloroethylene (PCE)	0.005	502.2, 524.2	2 consec quarters, then every 3 years
Toluene	0.15	502.2, 524.2	2 consec quarters, then every 3 years
1,2,4-Trichlorobenzene	0.07	502.2, 524.2	2 consec quarters, then every 3 years
1,1,1-Trichloroethane	0.2	502.2, 524.2	2 consec quarters, then every 3 years
1,1,2-Trichloroethane	0.005	502.2, 524.2	2 consec quarters, then every 3 years
Trichloroethylene (TCE)	0.005	502.2, 524.2	2 consec quarters, then every 3 years
Trichlorofluoromethane	0.15	502.2, 524.2	2 consec quarters, then every 3 years
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.2	502.2, 524.2	2 consec quarters, then every 3 years
Vinyl Chloride	0.0005	502.2, 524.2	2 consec quarters, then every 3 years
Xylenes (total)	1.75	502.2, 524.2	2 consec quarters, then every 3 years
SOCs - Table 64444-A (b)			
Alachlor	0.002	505, 508	2 consec quarters, then every 3 years
Atrazine	0.003	505, 507, 508.1,	2 consec quarters, then every 3 years
Bentazon	0.018		2 consec quarters, then WAIVED
Benzo(a)pyrene	0.0002		Waived
Carbofuran	0.018		2 consec quarters, then WAIVED
Chlordane	0.0001		Waived
2,4-D	0.07		2 consec quarters, then WAIVED
Dalapon	0.2		Waived
Dibromochloropropane (DBCP)	0.0002	504.1, 551	2 consec quarters, then every 3 years
Di(2-ethylhexyl)adipate	0.4		Waived
Di(2-ethylhexyl)phthalate	0.004		Waived
Dinoseb	0.007		Waived
Diquat	0.02		Waived
Endothall	0.1		2 consec quarters, then WAIVED
Endrin	0.002		Waived
Ethylene Dibromide (EDB)	0.00005	504.1, 551	2 consec quarters, then every 3 years
Glyphosate	0.7		Waived
Heptachlor	0.00001		Waived
Heptachlor Epoxide	0.00001		Waived
Hexachlorobenzene	0.001		Waived
Hexachlorocyclopentadiene	0.05		Waived
Lindane	0.0002		Waived
Methoxychlor	0.04		2 consec quarters, then WAIVED
Molinate	0.02		Waived
Oxamyl	0.2		Waived
Pentachlorophenol	0.001		2 consec quarters, then WAIVED
Picloram	0.5		Waived
Polychlorinated Biphenyls	0.0005		Waived
Simazine	0.004	505, 507, 508.1,	2 consec quarters, then every 3 years
Thiobencarb	0.07		Waived
Toxaphene	0.003		Waived
2,3,7,8-TCDD (Dioxin)	0.00000003		Waived
2,4,5-TP (Silvex)	0.05		Waived

**This frequency applies only to chemicals for which previous results have shown no detectable results (ND).
Contact DWFOB for a special monitoring schedule when positive results are found.

NEW WELL WATER QUALITY MONITORING SCHEDULE

Community System, > 3300 population, groundwater/agricultural (CLGA) **APPENDIX D**

UPDATED JANUARY 1999

Chemical - Title 22 Section	MCL (mg/l)	EPA Method	Frequency
Unregulated VOCs - Table 64450-A			
Bromobenzene	N/A		Waived
Bromodichloromethane	N/A		Waived
Bromoform	N/A		Waived
Bromomethane	N/A		Waived
Chlorodibromomethane	N/A		Waived
Chloroethane	N/A		Waived
Chloroform	N/A		Waived
Chloromethane	N/A		Waived
2-Chlorotoluene	N/A		Waived
4-Chlorotoluene	N/A		Waived
Dibromomethane	N/A		Waived
1,3-Dichlorobenzene	N/A		Waived
Dichlorodifluoromethane	N/A		Waived
1,3-Dichloropropane	N/A		Waived
2,2-Dichloropropane	N/A		Waived
1,1-Dichloropropene	N/A		Waived
1,1,1,2-Tetrachloroethane	N/A		Waived
1,2,3-Trichloropropane	N/A		Waived
Unregulated VOCs & SOCs - Table 64450-			
Bromacil	**N/A**	**507**	2 consec quarters, then every 5 years
Bromochloromethane	N/A		Waived
n-Butylbenzene	N/A		Waived
sec-Butylbenzene	N/A		Waived
tert-Butylbenzene	N/A		Waived
Chlorothalonil	N/A		Waived
Dimethoate	N/A		Waived
Diuron	**N/A**	**632**	2 consec quarters, then every 5 years
Ethyl-tertiary-butyl ether (ETBE)	N/A		Sample only if MTBE is detected
Hexachlorobutadiene	N/A		Waived
Isopropylbenzene	N/A		Waived
p-Isopropyltoluene	N/A		Waived
Naphthalene	N/A		Waived
1-Phenylpropane	N/A		Waived
Prometryn	N/A		Waived
Tertiary-amyl-methyl ether (TAME)	N/A		Sample only if MTBE is detected
1,2,3-Trichlorobenzene	N/A		Waived
1,2,4-Trimethylbenzene	N/A		Waived
1,3,5-Trimethylbenzene	N/A		Waived
Unregulated SOCs - Table 64450-C			
Aldicarb	N/A		Waived
Aldicarb sulfone	N/A		Waived
Aldicarb sulfoxide	N/A		Waived
Aldrin	N/A		Waived
Butachlor	N/A		Waived
Carbaryl	N/A		Waived
Dicamba	N/A		Waived
Dieldrin	N/A		Waived
3-Hydroxycarbofuran	N/A		Waived
Methomyl	N/A		Waived
Metolachlor	N/A		Waived
Metribuzin	N/A		Waived
Propachlor	N/A		Waived
Unregulated Inorganics - Table 64450-D			
Perchlorate	N/A		Waived
Radioactivity - Section 64441			
Gross Alpha	15 pCi/L		4 quarters every 4 years
Radium 226 + 228***	3 pCi/L		Only when GA > 5 pCi/L***
Uranium***	20 pCi/L		Only when GA > 5 pCi/L***
Man Made Radioactivity - Section 64443			
Tritium	20000 pCi/L		Not Required
Strontium	8 pCi/L		Not Required
Gross Beta	50 pCi/L		Not Required

***Sampling for **Radium 226, 228** and **Uranium** is required only when the Gross Alpha exceeds 5 pCi/L.

INTERIM
DEPARTMENT OF WATER RESOURCES WATER QUALITY CRITERIA FOR ACCEPTANCE OF NON-PROJECT WATER INTO THE STATE WATER PROJECT
MARCH 1, 2001

In accordance with the Water Code, non-project water may be conveyed, wheeled, or transferred in the State Water Project provided that water quality is protected.

GENERAL PROVISIONS

The proponent of any non-project water input proposal shall demonstrate that the water is of consistent, predictable, and acceptable quality.

The Department of Water Resources shall consider all non-project water input proposals based upon the criteria established in this document.

DWR will consult with State Water Project contractors and the Department of Health Services on drinking water quality issues relating to non-project water as needed to assure the protection of SWP water quality.

Nothing in this document shall be considered as authorizing the objectives of Article 19 of the water supply contracts or drinking water maximum contaminant levels to be exceeded.

These criteria shall not constrain DWR's ability to operate the SWP for its intended purposes or to protect its integrity during emergencies. There shall not be any adverse impacts to SWP water deliveries, operations or facilities.

DWR will use a two-tier approach for accepting non-project water into the California Aqueduct. Tier 1 programs have a "no adverse impact" criteria and shall be tied to historical water quality levels in the California Aqueduct. Programs meeting Tier 1 critieria shall be approved by DWR. Tier 2 programs, have water quality levels that exceed the historical water quality levels in the California Aqueduct and have the potential to cause adverse impacts to state water contractors. Tier 2 programs shall be referred to a state water contractor facilitation group for review. The facilitation group would review the program and if needed make recommendations to DWR to use during consideration of the project.

SPECIFIC PROVISIONS

Tier 1

Under Tier 1, all constituents of non-project water shall not exceed the historical water quality levels measured at the O'neill Forebay Outlet (formerly Check 13) on the SWP as measured by DWR's water quality monitoring program (Table 1).

Blending of multiple water sources prior to inflow into the SWP is acceptable. As part of a non-project water proposal, water may be introduced into the aqueduct that by itself might cause the ambient baseline to be exceeded, provided that the sum total of all introduced waters from a defined project do not exceed the historical baseline for the Aqueduct on an instantaneous flow weighted basis. Blending (mixing) within the aqueduct must be between and cannot overlap any active municipal and industrial delivery locations, without approval of DWR. The proponent shall demonstrate by model or an approach acceptable to DWR and the state water contractor facilitation group, that the water is adequately mixed before reaching the first M&I customer.

Non-project water proposals meeting Tier 1 water quality standards shall be approved by DWR without further review by other agencies except as is required by law. However, upon approval by DWR of any pumpin under Tier 1, the state water contractor facilitation group will be notified by DWR of the action.

Tier 2

Non-project water exceeding Tier 1 standards or contributing to aqueduct levels that exceed the historical water quality baseline may be considered for input into the SWP on a case-by-case basis by the SWP contractors and DWR. Proposals that would impact SWP water quality delivered to downstream state water contractors will be reviewed by state water contractors. The intent is that proposals that produce an overall net water quality benefit will be approved.

A state water contractor non-project inflow ***facilitation group*** will be established and will review all requests for non-project inflow that do not meet the Tier 1 water quality criteria. This group will consist of representatives from each state water contractor, that chooses to participate. DWR may participate as an observer. The group will consider the merits, impacts, mitigation, cost/benefits or other issues of each Tier 2 non-project water proposal(s) and provide recommendations to DWR. The DWR will consider the ***facilitation group*** and any individual SWP contractor recommendations in reviewing the proposal. DWR will make the final decision to approve, modify or deny the non-project water proposal. Any decision must be in compliance with law and existing contracts.

The **facilitation group** would consider the range of potential impacts along with potential benefits, mitigation, and other issues associated with the program.

A consensus recommendation from the facilitation group would be sought regarding a potential exceedance of the historical water quality levels. In the absence of consensus from the **facilitation group**, DWR will base its decision on the merits of the program and its ability to provide overall benefits to the state water project.

WATER QUALITY CHANGES

Once a program for delivery of non-project water to the Aqueduct has been approved, an annual review of the program with the state water contractors will occur.

As needed, DWR, DHS or state water contractors may recommend changes or additions to these water quality criteria governing non-project water proposals. Proposed changes or additions will be reviewed by the ***facilitation group*** prior to consideration by DWR.

MONITORING

Non-project inflow proponents are responsible for monitoring the quality of the water at the point of introduction into the Aqueduct for the duration of the program.

IMPLEMENTATION

DWR will develop procedures to implement these criteria.

Table 1 HISTORICAL WATER QUALITY CONDITIONS 1988-2001 AT O'NEILL FOREBAY OUTLET (mg/L)

Metals, Minerals and others					
	Mean	Min	Max	Stand Dev	Count
Aluminum	0.029	0.004	0.527	0.050	137
Antimony	0.005*	0.005*	0.005*	0.000	10
Arsenic	0.002	0.001*	0.004	0.000	215
Barium	0.050*	0.037	0.068	0.002	139
Beryllium	0.001*	0.001*	0.001*	0.000	11
Bromide	0.21	0.05	0.54	0.11	121
Cadmium	0.004	0.001*	0.005	0.002	139
Chromium	0.005*	0.005*	0.011	0.001	189
Copper	0.005	0.001*	0.028	0.003	214
Fluoride	0.09	0.01*	0.40	0.05	225
Iron	0.049	0.005*	0.416	0.058	214
Manganese	0.007	0.003	0.06	0.004	17
Mercury	0.0008	0.0002*	0.0010	0.0004	163
Nickel	0.002	0.001*	0.004	0.001	11
Nitrate	3.5	0.6	9.6	1.8	192
Nitrate-Nitrite	0.6	0.1	1.2	0.3	22
Nitrite	0.5	0.3	1.1	0.2	21
Selenium	0.001*	0.001*	0.001*	0	208
Silver	0.004	0.001*	0.005	0.002	139
Sulfate	43	16	99	15	228
Total Organic Carbon	4	3	10	2	131
Zinc	0.009	0.005*	0.210	0.016	206

* These values represent reporting limits, actual values would be lower.

Pesticides, herbicides and synthetic organic chemicals are not detected in water samples at this location. Therefore, historical conditions are considered to be represented by less than detection levels for these compounds.

Salinity Criteria 1979-2000 (specific conductance, us/cm)

Year Type*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Wet	454	401	393	363	355	351	338	340	299	302	350	343
Near Normal*	474	430	511	302	415	520	462	371	430	474	528	623
Dry	566	510	472	469	403	424	441	486	613	498	715	495
Critical	673	728	642	578	548	597	586	609	648	668	604	756

* Year type is based on water year classification, below normal and above normal have been combined into one designation as near normal.

Implementation Procedures for the Review of Water Quality from Non-Project Water Introduced into the State Water Project
March 14, 2001

This document describes the approval and implementation procedures, as well as, responsibilities of the various parties involved in the introduction of Non-Project water into the State Water Project under the ***Department of water Resources Water Quality Criteria for Acceptance of Non-Project Water into the State Water Project*.**

This document does not in anyway affect, modify or have any bearing upon any provisions of law, contract, policy or procedure governing water resources or the State Water Project other than stated above. Non-project inflow shall not constrain the ability of DWR to operate the SWP for its intended purposes or to protect the SWP integrity during emergencies and it shall not adversely impact SWP operations, deliveries, existing contracts or any other agreements.

DWR shall consider all non-project water input proposals based upon the approved water quality ***Criteria*** and the procedures established in this document. This document describes the procedures and responsibilities of the Project Proponent, Department of Water Resources, and the Facilitation Group as identified in the ***Criteria***.

Project Proponent

The proponent of a program that will introduce Non-Project water into the SWP will submit a complete detailed proposal to the Department of Water Resources for purposes of evaluating the water quality impacts .The proponent shall demonstrate that the non-project water is of consistent, predictable and reliable quality.

The Proponent is responsible for preparation of and compliance with any and all contracts, environmental documents, permits or licenses that are necessary consistent with applicable laws, regulations, agreements, procedures, or policies external to this document.

Project Description

The proponent will submit to DWR a document describing the proposed program, identifying the water source(s), planned operation, characterizing the inflow water quality and any anticipated impacts to SWP water quality and/or operations.
The proposal will at a minimum include:

- Identify names, locations, addresses, and contact person(s) for all participants.
- Detailed information including maps identifying all sources of water, point of inflow to the SWP and ultimate fate of the introduced water.
- All terms and conditions of inflow, timing, rates and volumes of inflow, pumping, conveyance and storage requirements will be described.
- All construction details adjacent to SWP facilities will be described including valves, meters, pumps and piping size, location, etc.
- All potential impacts and/or benefits to downstream users will be identified
- Detailed water quality data will be provided for all sources of water and any blend of sources that will be introduced into the SWP.
- Describe anticipated water quality changes within the SWP.
- Identify other relevant environmental issues such as subsidence, ground water overdraft or, presence of endangered species.

Water Quality Monitoring

In order to demonstrate that the source(s) of water are of consistent, predictable, and acceptable quality the Proponent will monitor water quality. The proponent is responsible for all costs associated with characterizing and monitoring water quality up to and including the point of discharge into the SWP for the duration of the program. The proponent will, for the duration of the program, regularly report on operations as they affect water quality, monitoring data and water quality changes. One of three water quality monitoring schedules will be used and all information will be submitted to DWR on a regular basis (within 30 days of sampling).

Projects proponents shall select one of the testing options below and perform and provide all water quality testing described therein.

Option 1 - *Baseline tests*: Title 22 tests of record are required for all wells (sources), but a post inflow Title 22 test is allowed for any well near a similar well with a Title 22 test of record. *Periodic tests*: Constituents of Concern tests are required upon startup and quarterly for each discharge point.

Option 2 - *Baseline tests*: Constituents of Concern tests of record are required for all wells (sources) and Title 22 tests of record are required for representative wells comprising a subset of all wells. Representative wells shall be identified on a case-by-case basis to be representative of the manifold area; proximity, water levels, and agricultural water tests are significant for this purpose. The proponent shall identify representative wells subject to approval. *Start up tests in any year*: Title 22 tests are required for all discharge points upon startup. Constituents of Concern tests are required for all wells within two weeks of inflow startup. *Periodic tests*: Constituents of Concern tests are required monthly for each discharge point.

Option 3 – A project proponent may propose a monitoring schedule that is fully protective of water quality and consistent with the *Criteria*. The proposed monitoring schedule will be submitted to the Facilitation Group for review and approval.

Under any of the three testing options all Title 22 tests will be repeated every three years or as otherwise acceptable to the Department of Health Services to be compliant with Title 22. Sampling for pathogens (including giardia and cryptosporidium) may be required for any waters under the influence of surface water at the discretion of DWR and/or the Facilitation Group

Flow Measurements
The proponent will provide flow measurements and analytical data for all sources and discharges into the SWP to demonstrate compliance with the *Criteria*.

- The proponent will maintain current, accurate records of production rate and volume from each source, as well as, each point of discharge into the SWP.
- Meters will be properly calibrated and maintained.
- All flow measurements will be regularly submitted to DWR.

Reconsideration
If a proponent disagrees with the DWR decision of compliance with the Non-Project inflow *criteria* or feels that there is overriding benefit of the proposal, the proponent may seek review from the Facilitation Group.

- The SWC Facilitation Group may recommend to DWR that a proposal has some overriding benefit(s) and DWR may reconsider the proposal.
- Reconsideration by DWR will be on a case-by-case basis and DWR may waive or modify the inflow *criteria* for specific proposals if conditions warrant.

DWR

DWR, in consultation with the State Water Contractors, DHS, and other appropriate parties, will develop the ***Department of water Resources Water Quality Criteria for Acceptance of Non-Project Water into the State Water Project*** *and* ***Implementation Procedures for the Review of Water Quality from Non-Project Water Introduced into the State Water Project***. The *criteria* and *procedures* will be reviewed annually and revised as needed to protect SWP water quality.

DWR will seek, as needed DHS or State Water Contractor recommendations on changes or additions to the *criteria* and *procedures* documents governing Non-Project water inflow proposals. The Facilitation Group will review proposed changes or additions prior to implementation by DWR.

DWR will have ultimate responsibility for approving the water quality of all non-project inflow, as well as, the oversight of monitoring and tracking the water quality of operating programs.

Project Proposal
Upon receipt of a proposal for Non-Project water inflow DWR will review the proposal for adequacy. DWR shall consider all non-project water inflow proposals based upon the approved *Criteria*. If necessary, DWR will convene timely meetings with the Facilitation Group during the review of a proposal. At the minimum the review will include

- Examination of all documents and data for completeness of the submittal.
- Affected Field Divisions, the Facilitation group and all affected downstream users will be immediately notified of the submittal.
- Comments from all parties may be considered by DWR before the final decision.
- Upon completion of the review, DWR will notify the proponent and downstream users of the acceptance of the proposal, the need for modification of a proposal, or explain the reason(s) for rejecting the proposal.
- DWR may reconsider a decision on a proposal based upon a recommendation from the Facilitation Group. Reconsideration by DWR will be on a case-by-case basis and DWR may waive or modify the *Criteria* for specific proposals if conditions warrant

Annual Review
Once a program for delivery of non-Project water to the Aqueduct has been approved, an annual review of the program will occur with input from the Facilitation Group. As part of the review, program proponents will provide the following information:

- Summary of deliveries to the Aqueduct.
- Water quality monitoring results.
- Proposed changes in the program operation.

The review may result in changes in program operations, monitoring and testing required of the program proponent as a result of;

- New constituents being added to the EPA /DHS list of primary drinking water standards.
- Changes in the maximum contaminant levels for the EPA/DHS list of primary drinking water standards.
- Identification of new constituents of concern
- Changes in the water quality provided by the program.
- Changes in concentrations in the California Aqueduct.

This procedure shall recognize emerging contaminants as they are identified by the regulatory agencies and shall set appropriate standards for introduction based upon ambient levels in the California Aqueduct or State Action Levels, which ever is lower. Emerging contaminants are those that may pose significant risk to public health, but as yet do not have an MCL. Currently the Office of Environmental Health Hazard Assessment and the Department of Health Services establish Public Health Goals and Action Levels, respectively. These levels, though not regulated, do provide health-based guidance to water utilities and can require public notification if exceeded.

Water Quality Review

For operating projects DWR will track and annually report on water quality impacts to the SWP from Non-Project water inflow.

- DWR will review analyze and maintain records of water quality testing conducted by the proponent of the well(s), source(s) and discharge(s) into the SWP.
- DWR will determine what additional water quality monitoring, if any, is necessary within the SWP to assure compliance with the Criteria. DWR will conduct all water quality monitoring within the SWP
- DWR will prepare an annual report of water quality impacts in the SWP from Non-Project water and make all water quality data available to interested parties.

On-site Surveillance

The appropriate Field Division within DWR will be responsible for review and approval of all construction activities within the SWP right-of-way. Plans showing the discharge system piping, valves, sampling point, meters and locations must be submitted and approved prior to any construction. In addition, the appropriate Field Division will be responsible for confirmation of all meter readings and water quality monitoring conducted by the proponent.

- Field division staff may visit, inspect, calibrate meters and measure flow conditions at each source or point of discharge into the SWP.
- Flow meters, sampling ports and anti-siphon valves must be conveniently located near the SWP right-of-way.
- Field division staff may collect water samples at each source or point of discharge into the SWP.
- The appropriate Field Division will conduct additional water quality monitoring within the SWP, if deemed necessary, to assure compliance with the Non-Project Inflow Criteria.

SWC Facilitation Group

Upon initial review of a Non-project water inflow proposal, DWR shall notify the State Water Contractors of its receipt, its contents, and the possible need for a Facilitation Group. The State Water Contractors may form a Facilitation Group to advise DWR on any or all proposals for introduction of Non-Project water into the SWP.

- It is the responsibility of the State Water Contractors to form and coordinate the activities of the Facilitation Group. DWR will assist in coordination of Facilitation Group activities as requested.
- The SWC Facilitation Group can consult with State Water Contractors, DWR, the project proponent, other state or federal agencies, private consultants or other interested parties as needed to fully evaluate a Non-project Inflow Proposal.

The Facilitation Group is an advisory body that will review the *criteria* and *Procedures* for approval of water quality for Non-project inflow. The Facilitation Group will review and recommend action on Proposals that could degrade SWP water quality. Also, if a proponent proposes a monitoring Schedule under Option 3, above, the Facilitation Group will review the proposal and make appropriate monitoring recommendations.

Recommendations of the Facilitation Group
The Facilitation Group will consider the merits, impacts, mitigation, cost/benefits or other issues, in addition water quality, in an effort to develop a consensus recommendation for action on Non- Project Inflow Proposals.

- State Water Contractors will make all decisions on the direction and actions of Facilitation Group activities or development of a recommendation on any proposal.
- The facilitation group may provide comment or recommendations to DWR at any time, on any aspect, of any proposal. The facilitation group can also provide comment or recommendations to DWR on the *Criteria* or *Procedures* at any time.
- The Facilitation Group will provide DWR recommendations for formal approval, disapproval or modification of each individual Non-Project Inflow Project submitted for consideration. The recommendation shall include an explanation of the reasons for the recommendation.
- If consensus among State Water Contractors is not possible the Facilitation Group may submit both majority and minority opinions and recommendations.

Bulletin 132-07

Management of the California State Water Project

Covers Activities during Calendar Year 2006

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State of California

Mike Chrisman *Secretary for Natural Resources*
Natural Resources Agency

Lester A. Snow *Director*
Department of Water Resources

metals, pesticides, and other constituents were all found to be at very low levels and were not a factor in water treatment. TDS and bromide levels at SWP locations were low from January through December. Dissolved organic carbon and turbidity were moderately low, except for a few highs from March to May. Taste and odor compounds were generally low projectwide, with moderate concentrations observed in September at Lake Perris. Table 4-1 displays laboratory results from these analyses, and additional SWP water quality data are available electronically through DWR's website at http://www.water.ca.gov/swp/waterquality.

Water Turn-ins

Turn-ins of non-project or local water are authorized by the SWP to facilitate activities such as groundwater banking recovery and providing short-term means to address urgent irrigation needs. Turn-ins of local water tend to be much less frequent or nonexistent in wet years when the SWP Table A allocation is high (For more about Table A, see Chapter 9, Water Contracts and Deliveries).

In 2001, DWR established new interim criteria to review the water quality of the turn-ins using a two-tiered approach. Tier 1 programs have a "no adverse impact" criteria and are tied to historical water quality levels in California. Programs meeting Tier 1 criteria are generally approved by DWR without referral to the State Water Contractor facilitation group. Tier 2 programs involve water quality levels that exceed the historical water quality in the SWP and have the potential to cause adverse impacts to the SWP water contractors. Tier 2 programs are referred to the State Water Contractor facilitation group for review and recommendations to DWR. DWR considers all factors before making a decision on the proposed water turn-in.

Turn-ins not only add versatility to SWP water operations, but can also improve SWP water quality for some constituents. Turn-ins can reduce total dissolved solids, conductivity, bromide, and organic carbon in the SWP. Slight increases in nitrate, sulfate, and arsenic often result. In 2006, a total of 6,762 af of floodwater was turned-in and then turned-out of Reach 5 of the California Aqueduct in May and June by Westlands Water District during a high flow period. There were no significant associated water quality issues to report.

Non-Project Inflows to the California Aqueduct from the Kern River Intertie

Releases from Lake Isabella down the Kern River (Tulare Basin) were conveyed directly into the SWP during May and June 2006. The releases were mandated by the U.S. Army Corps of Engineers (Corps) due to recently discovered defects in Isabella Dam and the potential for catastrophic breach. Because of higher-than-normal runoff conditions and an abundance of water in the San Joaquin and Tulare basins, the releases were conveyed into the SWP via the Kern River Intertie (Milepost 241). Inflows started on May 4, 2006, and continued daily until June 21 when the maximum pool elevation reached 20 feet or 64 percent capacity, as required by the Corps. Inflows totaled 81,669 af in May and 20,071 af in June.

Kern River water quality was exceptional, with low levels of salt and other dissolved minerals. Conductivity (a measure of salinity) in Kern River inflows was

Table 4-1. 2006 Mean Water Quality at Selected State Water Project Grab Sample Locations

							California Aqueduct				
Constituent	**Units[a]**	**Detection Limit**	**Thermalito Afterbay at Outlet**	**North Bay Aqueduct, Barker Slough Pumping Plant**	**Delta-Mendota Canal Upstream of McCabe Road**	Banks Delta Pumping Plant	O'Neill Forebay Outlet (Check 13)	Kettleman City (Check 21)	Near Highway 119 (Check 29)	Tehachapi Afterbay (Check 41)	Devil Canyon Head Works
Alkalinity	mg/L as $CaCO_3$	1	34	88	54	49	57	57	55	56	57
Antimony	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	NR	NR
Arsenic	mg/L	0.001	<0.001	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Beryllium	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	mg/L	0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Bromide	mg/L	0.01	<0.01	<0.04	0.11	0.09	0.13	0.13	0.14	0.11	0.12
Calcium	mg/L	1	8	15	17	13	16	16	15	16	16
Chloride	mg/L	1	<1	18	38	31	44	42	39	39	43
Chromium	mg/L	0.001	<0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Copper	mg/L	0.001	<0.001	0.003	0.001	0.002	0.002	0.002	0.002	0.002	0.003
Fluoride	mg/L	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Hardness	mg/L as $CaCO_3$	1	31	84	75	63	76	77	71	76	76
Iron	mg/L	0.005	0.006	0.062	0.011	0.020	0.011	0.010	0.013	0.010	0.012
Lead	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	1	3	12	8	7	9	9	8	9	9
Manganese	mg/L	0.005	<0.005	0.025	<0.005	0.013	0.005	<0.005	<0.005	<0.005	0.048
Nitrite + Nitrate	mg/L as N	0.01	0.01	0.20	NR	0.41	0.56	0.59	0.56	0.57	0.54
Organic Carbon, Dissolved	mg/L as C	0.5	NR	7.0	3.2	3.0	3.1	3.0	3.1	3.1	3.4
Organic Carbon, Total	mg/L as C	0.5	NR	7.3	3.3	3.2	3.2	3.1	3.1	3.4	3.4
Phosphate-Ortho	mg/L as P	0.01	<0.01	0.11	NR	0.06	0.06	0.07	NR	0.06	0.07
Phosphorus-Total	mg/L	0.01	<0.01	0.21	NR	0.09	0.09	0.09	0.09	0.09	0.09
Selenium	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Sodium	mg/L	1	3	24	31	25	33	33	30	31	33
Specific Conductance	µS/cm	1	74	267	309	247	320	318	298	304	319
Sulfate	mg/L	1	2	19	33	21	28	28	26	27	26
Total Dissolved Solids	mg/L	1	49	161	177	141	181	180	169	173	181
Turbidity	N.T.U.	1	4	41	13	8	7	6	8	9	5
Zinc	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

[a] mg/L = milligrams per liter; µS/cm = microSiemens per centimeter; N.T.U. = Nephelometric turbidity unit; NR = No data recorded at this location

NOTE: A grab sample is a single sample chosen to represent the conditions in a given matrix (usually natural water) at a specific location, depth, and time. All reported constituents are the yearly mean of laboratory analytical values sampled monthly from January to December. The yearly mean may be based upon one to twelve samples for the list of constituents.

consistently near or below 100 μS/cm and as a result reduced conductivity in the SWP by 23 percent to 75 percent during the 2-month period. Total organic carbon (TOC, an indicator of undesirable trihalomethane [THM] formation potential in drinking water) was also reduced in the SWP by up to 37 percent (median=12 percent). Two parameters that did increase in the SWP as a result of the inflows were turbidity and coliforms—common constituents in raw water that are easily removed or neutralized during the water treatment process.

Municipal Water Quality Investigations Program

The Sacramento-San Joaquin Delta provides drinking water for more than 25 million people in California. Because the Delta and its tributaries are located in a relatively unprotected watershed, water quality degradation is possible from many sources, including industrial and municipal wastewater discharges, storm water runoff from cities, agricultural discharges, recreational activities, abandoned mines, and illegal dumping. The Municipal Water Quality Investigations (MWQI) Program was established to evaluate the suitability of Delta water as a drinking water source, to identify sources of water quality degradation, and to evaluate means of eliminating or preventing degradation.

Participants in the program include the municipal water contractors of the SWP and Contra Costa Water District. Program advisors include representatives of participating agencies, the U.S. Environmental Protection Agency (EPA), DHS, and California Urban Water Agencies.

Components of the MWQI Program include the following:

- collection of discrete and real-time water quality data from key locations in the Delta on constituents of concern for water quality;
- the study and fractionation of organic carbon molecules from Delta carbon sources;
- evaluation of proposed CALFED restoration actions in terms of drinking water impacts;
- working with the State and regional water quality control boards to develop drinking water policy as part of basin plans;
- evaluation of water quality effects from the Jones Tract flood;
- integration of real-time water quality data with computer models to develop forecasting tools for changing water quality conditions in the Delta and SWP; and
- continued investigation of new and increasing sources of pollution, including urban sources and agricultural drainage.

Collectively, these and other MWQI Program studies and activities are designed and conducted to address major water quality issues. Each study or activity serves to discover, test, and assess possible solutions to problems in the Delta and other watersheds of the SWP. Overall, the results of these studies and activities are intended to assure that future demands for safe, potable water supplies can be met.

Because water quality concerns change rapidly with new drinking water regulations and water quality issues,

CONSTRUCTION ACTIVITIES

The following is a description of the construction activities occurring during 2005-2006 for recharge and recovery facilities as a part of banking programs on the Kern Fan and within adjoining entities.

Improvement District No. 4 Construction Activities.
On November 4, 2005, the Notice to Proceed was issued for the construction of the Rosedale-Rio Bravo/ID4 Joint Use Recovery Project (JURP) for the drilling and casing of seven water recovery wells as part of the District's groundwater banking program. These wells are located on the Rosedale-Rio Bravo Recharge Facility, which is east and west of Allen Road and North of Stockdale Highway. Actual construction was delayed due to Rosedale-Rio Bravo operations. Construction began in November, 2006 with final completion expected in February of 2008.

Kern Water Bank Authority Construction Activities.
The Kern Water Bank Authority's River Area Recharge and Recovery Project began in February 2004. It included the construction of eight new recovery wells, pipelines for the new wells and seven other wells, and a large-diameter conveyance pipeline to route the recovered water from these wells to the Kern Water Bank Canal or Cross Valley Canal. The additional wells are located throughout the northeastern portion of the water bank, known informally as the River Area. The project also included the construction of a lift station (≈90 cfs capacity) to convey water for recharge purposes to River Area ponds. The project was funded in part by a Proposition 13 Grant.

At the beginning of 2005, the eight wells were complete except for some minor work on well enclosures and motor controls, and construction of the lift station, CVC turnout, and large diameter pipeline was underway. The project was completed in September 2005.

Buena Vista Water Storage District Construction Activities
During 2005 BVWSD and WKWD made diversion improvements to the BV/WK Recharge Project in the Kern River Bypass area. Improvements included a new diversion structure and canal connecting the ponds to directly to the KWB Canal just west of the Interstate-5 crossing. New diversion structures were also completed at 2nd Point in order to provide more efficient diversion and measurement of flows to the cross river pipeline which feeds into the Kern Water Bank Canal.

Rosedale-Rio Bravo Water Storage District Construction Activities
During 2005 and 2006, the RRBWSD acquired and developed additional recharge property along the District's channel east and west of Superior Road. Recharge basins were also constructed as a part of RRBWSD's demonstration program with the Irvine Ranch Water District on their property in Section 2, T30S, R35E. Approximately 460 acres of new recharge basins were put into use by the end of 2006.

DEFINITIONS

Acre-Foot (AF)	The quantity of water required to cover one acre of land to a depth of one foot (325,851 gallons).
Agency	Kern County Water Agency (KCWA)
Aquifer	Geologic formations or parts of formations which store and convey water through pore spaces and/or fractures and when tapped (as by a well) may yield water.
Bank Account	An amount of water that is recoverable by a Participant as a result of such Participant's spreading and banking or transfer of water.
Berrenda Mesa Participants	The group of Water Districts that entered into the "Agreement Regarding Joint Water Banking Project on the Berrenda Mesa Property" with the Kern County Water Agency and Berrenda Mesa Water District in October 1999. The Districts include: Berrenda Mesa WD, Belridge WSD, Lost Hills WD and Wheeler Ridge-Maricopa WSD.
Berrenda Mesa Project	Facilities available for use by the Berrenda Mesa Participants which include recharge on the 369 acre Berrenda Mesa WD property located in the Kern Fan west of Allen Road and generally east of Renfro Road, north of Ming Avenue and ½ mile south of Stockdale Hwy. The project also includes six water production (recovery) wells located on the Berrenda Mesa property and six water production (recovery) wells located on the Pioneer Property.
cfs	Cubic feet per second, a rate of flow. = 448.8 gallons per minute = 646,317 gallons per day = 1.98347 acre-feet per day
Change in Groundwater Storage	The change in volume of water stored in aquifers within the groundwater basin.
Groundwater Storage	A volume of water stored in aquifers within the groundwater basin.
City	City of Bakersfield
Composite Well	A well tapping two or more major water producing zones.
Confined Aquifer	Groundwater bearing strata constrained at its upper and lower surfaces by impervious units (aquitards).
Confining Bed	The least permeable bed, below the water level, in a stratigraphic sequence; beds may be permeable enough to transmit water vertically, but their permeability is generally not sufficient to allow the completion of production (recovery) wells within them. Formerly referred to as an aquitard.
Corcoran Clay	A thick, low permeability layer of clay, of middle to lower Pleistocene age, which lies under much of the western San Joaquin Valley. This clay layer

	separates the water producing strata into two aquifers. The ■unconfined• aquifer, lies above the Corcoran Clay. The ■confined• aquifer, lies below the Corcoran Clay.
CVC	The Cross Valley Canal
CVP	The federal Central Valley Project. The Friant-Kern Canal is its major feature in Kern County.
Delivery	The amount of water conveyed or act of conveying water to recharge projects.
DWR	California Department of Water Resources. The operators of the State Water Project (California Aqueduct).
Electrical Conductivity (EC) (also called Conductance)	A measure of the ability of water to conduct an electrical current, which can be related to the concentration of total dissolved solids (TDS). The normal unit of measurement is microsiemens per centimeter. This term is also referred to as Specific Electrical Conductivity (SEC).
EPA	United States Environmental Protection Agency.
Evapotranspiration	The combination of evaporation from soil surfaces, and transpiration of water by plants.
ft/yr	Feet per year, often referring to recharge rates derived from acre-feet per acre-year.
gpm	Gallons per minute, rate of flow.
Groundwater	Water that occurs beneath the water table in geologic materials that are fully saturated.
Groundwater Level Profile	A line along a given vertical plane, which shows the water level at a specific point in time. Also referred to as Hydrologic Profile and Subsurface Hydrologic Cross-Section.
Head	Pressure of water upon a unit area due to the height at which the surface of the water stands above the point where the pressure is determined.
Hydraulic Conductivity	The quantity of water that will flow through a unit cross-sectional area of a porous medium per unit time under a hydraulic gradient of 1 (100 percent) at a specified temperature. Usually expressed as the flow in gallons per day through a cross section of one square foot of water bearing medium under a hydraulic gradient of 1 at a temperature of 60 degrees Fahrenheit.
Hydraulic Gradient	The vertical change in head divided by the horizontal distance of flow. Also termed the water level slope.
Infiltration	The entry into the soil of water from the ground surface.

In-lieu Recharge	The process of recharging groundwater supplies by substituting surface water for groundwater that would otherwise have been pumped.
Irrigation Efficiency	The amount of applied irrigation water that actually goes to satisfy net crop water demands, (i.e. evapotranspiration), expressed as a percent of the applied water.
Kern Fan	The portion of the Kern River alluvial fan west of Buena Vista Road, east of the California Aqueduct, north of Bear Mountain Blvd., and south of Rosedale Highway that includes the following Projects: Kern Water Bank, City of Bakersfield 2800 Acre Spreading Facility, Pioneer Project, Kern River Channel, Berrenda Mesa Spreading Facility, West Kern Water District and Buena Vista Recharge Facilities, Buena Vista Canal (Kern Delta Water District), and Rosedale-Rio Bravo Water District Spreading Facilities.
Kern Fan Monitoring Committee	A group comprised of representatives from adjoining entities, water banking entities and an independent groundwater specialist initially as per the MOU.
Kern Water Bank	The water recharge and recovery project owned by the Kern Water Bank Authority
Kern Water Bank Adjoining Entities	The water districts that encompass lands and/or operate existing projects lying adjacent to the boundaries of the Kern Water Bank. Those water districts include: Buena Vista Water Storage District (BVWSD), Rosedale-Rio Bravo Water Storage District (RRBWSD), Kern Delta Water District (KDWD), Henry Miller Water District (HMWD) and West Kern Water District (WKWD).
Kern Water Bank Participants	The group of water districts and other water entities that have collectively formed the Kern Water Bank Authority (KWBA). The group includes: Dudley Ridge Water District (DRWD), Kern County Water Agency/Improvement District 4 (KCWA/ID4), Semitropic Water Storage District (SWSD), Tejon-Castac Water District (TJWD), Westside Mutual Water Company, LLC (WMWC), and Wheeler Ridge-Maricopa Water Storage District (WRMWSD).
Kern Water Bank Project	19,900 acres of land located west of the Southern Pacific Railroad, east of Elk Hills Naval Petroleum Reserve, south of Stockdale Highway and north of Taft Highway transferred from the State of California Department of Water Resources to the Kern Water Bank Authority in August, 1996.
Losses	Water that is considered non-bankable and non-recoverable. A. Surface Recharge Losses ▪ An agreed upon percentage (6%) of water diverted for recharge that does not add to groundwater storage as established in the MOU. B. Other Losses ▪ An agreed upon percentage (4%) of the water recharged (Deliveries minus Surface Recharge Losses) to account for all other actual or potential losses (including migration losses) as established in the MOU.

MOU	Memorandum of Understanding signed by participants of the Kern Water Bank Authority and adjoining entities. This MOU establishes the Kern Fan Monitoring Committee.
Overdraft	A long-term condition in which groundwater extractions exceed groundwater recharge.
Overdraft Correction	The delivery and recharge of surface water for the replacement of groundwater previously overdrafted.
Overdraft Correction Account	An amount of water that is recharged by a participant for the purpose of overdraft correction. Special conditions apply to the management of this water as described in the Pioneer Project Participant Agreement.
Pioneer Project	The Pioneer Property and the Agency•s rights to spread or recover water, or both, in 1) the 2800-Acres; 2) the Kern River channel east of the 2800-Acres; and 3) any land, other than the Pioneer Property, which the Agency has or acquires the use of in Sections 4, 5, 6, 11, 12, 13, and 14 of T30S, R26E, and Section 9, T30S, R25E, MDB&M for similar purposes.
Pioneer Project Participants	The group of Water Districts that entered into the "Pioneer Project Participation Agreement" in 1998. The group includes Kern County Water Agency, Buena Vista WSD, Henry Miller WD, Kern Delta WS, Rosedale-Rio Bravo WSD, Wheeler Ridge-Maricopa WSD, Tejon-Castac WD, Semitropic WSD, Lost Hills WD, Belridge WSD, Berrenda Mesa WS and Kern County Water Agency on behalf of Improvement District 4.
Potentiometric Surface	The surface to which the ground water in a confined aquifer rises when tapped by a well.
ppm	Parts per million, practically equivalent to one milligram per liter.
Recharge	Water percolating from spreading facilities to the underlying groundwater.
Recharge Water	A quantity of water that adds to groundwater storage.
Sacramento River Index	An index used by the California Department of Water Resources to forecast available water supplies and SWP delivery capabilities. The index consists of the forecasted or computed unimpaired flows of the Sacramento River near Red Bluff, Feather River at Oroville Reservoir, Yuba River and Smartville and American River at Folsom Reservoir.
Specific Electrical Conductivity (SEC)	A measure of the ability of water to conduct an electrical current, which is related to the concentration of total dissolved solids. The normal unit of measurement is microsiemens per centimeter. (see also Electrical Conductivity)
Specific Yield	The volume of water that an unconfined aquifer releases from storage per unit surface area of aquifer per unit decline in the water table.

Spreading	The amount of water delivered or act of delivering water into recharge facilities.
SWP	The State Water Project.
TDS	Total dissolved solids. A measurement of the dissolved matter in water, consisting mainly of inorganic salts. Usually expressed in parts per million (ppm).
Transmissivity	A value that equates to the saturated thickness of an aquifer, multiplied by the hydraulic conductivity. The transmissivity governs the amount of groundwater flow through a given width of the aquifer at a unit hydraulic gradient (100%).
Turbidity	A measure of the presence of suspended and colloidal matter that causes light to be scattered in water. Usually reported in NTU•s (Nephelometric Turbidity Units).
2800-Acres	Approximately 2800-acres of land owned by the City along the Kern River channel between Renfro Road and Interstate 5 used for groundwater recharge and banking projects.
Unconfined Aquifer	A groundwater bearing geologic formation that is not constrained at is upper surface by an impervious or semi-impervious stratum, such as a confining bed.
Unsaturated Zone	That portion of the soil below ground surface that is above the water table and capillary fringe, and in which the soil pores are only partially filled with water. Also referred to as the Vadose Zone or Zone of Acration.
USBR	United States Bureau of Reclamation. The operators of the Federal Central Valley Project.
Water Budget	A mathematical accounting of water in a system or watershed. Also referred to as Water Balance or Hydrologic Budget.
Water Board	City of Bakersfield, Water Board.
Water Table	The surface on which the fluid pressure in the subsurface pores is exactly atmospheric. The location of this surface is revealed by the level at which water stands in a shallow well open along its length and penetrating the surficial deposits just deeply enough to encounter the shallowest groundwater.

150.1.1- WR-Water Districts-MU-
BVWSD

RECEIVED - Kern County Water Agency
JMB ☐ ATM ☐
BEW ☐ DNR ☐
~~DMB~~ ☐ DRB ☐
CLC ☐ MMV ☐
DWM ☐ OCT 01 2009 JWP ☐
HLM ☐ SMR ☐
MLC ☐
SE mm ☑ All ☐ Orig to file ☑ Scan ☑

BUENA VISTA WSD WATER BALANCE

YEAR	[1] KR A-J RUNOFF % OF AVG	[2] WATER SUPPLY: KR SUPPLY (AF)	[3] FK SUPPLY (AF)	[4] SWP SUPPLY (AF)	[5] SWP - A21 SUPPLY (AF)	[6] OTHER SUPPLY (AF)	[8] SAFE YIELD: MINOR STREAMS (AF)	[9] SAFE YIELD: PRECIP (AF)	[10] TOTAL WATER SUPPLY (AF)
1970	69	120,361	7,310	10,284				17,647	155,602
1971	53	81,466	7,787	14,638				18,860	122,751
1972	28	32,853		35,206	2,700			9,879	80,638
1973	156	149,082	746	5,548				24,884	180,260
1974	115	160,269	14,771	20,875				25,217	221,132
1975	83	138,779		32,464				15,850	187,093
1976	23	40,747		25,137				18,086	83,970
1977	21	5,310		4,912				19,061	29,283
1978	236	238,040		969				36,914	275,923
1979	90	132,920	9,913	30,009	24,391			22,018	219,251
1980	213	271,540		856				20,889	293,285
1981	54	64,454		62,000	11,692			21,506	159,652
1982	172	182,654	34,882	14,200	15,976			25,581	273,293
1983	333	270,855	26,084	1,579				32,075	330,593
1984	91	154,914	2,289	55,937				11,821	224,961
1985	91	132,534		23,138	205			13,122	168,999
1986	191	230,925	10,276	1,438				18,601	261,240
1987	46	78,835		21,896				19,433	120,164
1988	35	50,470		25,328				14,655	90,453
1989	51	59,021		26,893				9,446	95,360
1990	25	21,124		4,885				11,723	37,732
1991	60	56,983		1,288				21,617	79,888
1992	39	42,594		1,824				27,647	72,065
1993	126	90,385	9,832	57,230				26,198	183,645
1994	41	73,712		11,267	5,403			22,341	112,723
1995	200	293,072	12,451	21,300				33,072	359,895
1996	129	222,028	15,938	29,900				27,299	295,165
1997	123	221,942	19,456	21,300				20,172	282,870
1998	245	307,672	22,339	21,300				45,206	396,517
1999	54	55,237	13,701	46,300	1,107			20,472	136,817
2000	66	61,535		27,837	2,703			18,052	110,127
2001	54	44,697		8,786	480	1,693		23,722	79,378
2002	46	58,203		13,451	1,511			12,725	85,890
2003	70	88,191		22,284	655			16,119	127,249
2004	48	78,550		10,987	3,341			17,507	110,385
2005	168	222,670	1,811	22,341	36,398			21,380	304,600
2006	169	177,597	20,714	18,848	32,792			20,278	270,229

YEAR	[11] WATER DEMANDS: CROP USE (AF)	[12] INDUSTRIAL USE (AF)	[14] PROJECT USE (AF)	[15] EVAP LOSS (AF)	[16] GOOSE LAKE OUTFLOW (AF)	[17] MOU LOSS (AF)	[18] WATER USE (AF)	[19] ANNUAL BALANCE (AF)	[20] ACCUM BALANCE (AF)
1970	105,076			2,332	9,086		116,494	39,108	39,108
1971	105,076			2,177	4,897		112,150	10,601	49,709
1972	99,391			2,288	740		102,419	(21,781)	27,927
1973	111,640			2,128	12,137		125,905	54,355	82,282
1974	115,768			2,122	6,121		124,011	97,121	179,403
1975	121,174			2,153	7,384		130,711	56,382	235,784
1976	115,063			2,138	4,463		121,664	(37,694)	198,090
1977	111,616			2,068	420		114,104	(84,821)	113,270
1978	120,059			2,017	13,877		135,953	139,970	253,240
1979	111,286			1,935	12,807		126,028	93,223	346,463
1980	112,780			1,880	18,295		132,955	160,330	506,793
1981	112,536			2,157	12,351		127,044	32,608	539,401
1982	112,883	703		1,852	15,904		131,342	141,951	681,351
1983	97,927	1,103	20,888	1,955	13,264		135,137	195,456	876,808
1984	109,366	1,148		2,252	16,478		129,244	95,717	972,524
1985	106,262	1,363		1,965	16,123		125,713	43,286	1,015,810
1986	103,154	960	2,041	2,043	24,589		132,787	128,453	1,144,264
1987	99,168	927	6,000	1,937	14,916		122,948	(2,784)	1,141,479
1988	103,320	690	5,000	2,103	16,309		127,422	(36,969)	1,104,511
1989	100,317	643	3,138	2,037	5,080		111,215	(15,855)	1,088,655
1990	105,159	555	2,242	2,039	4,165		114,160	(76,428)	1,012,227
1991	105,075	663	4,410	2,055	4,558		116,761	(36,873)	975,354
1992	110,298	549	4,004	2,082	3,927		120,860	(48,796)	926,558
1993	113,622	529		1,968	8,641		124,760	58,885	985,443
1994	103,758	536		2,167	8,404		114,865	(2,142)	983,302
1995	112,902	649	2,000	1,895	28,394	3,997	149,837	210,059	1,193,360
1996	113,409	1,241	7,467	2,114	23,555	1,474	149,260	145,905	1,339,265
1997	106,883	1,406	7,080	1,974	28,118	2,813	148,274	134,596	1,473,861
1998	113,188	1,384	1,309	1,901	31,760	5,503	155,045	241,472	1,715,334
1999	106,919	1,232		1,796	23,067	13	133,027	3,790	1,719,124
2000	102,937	1,500	8,613	1,803	23,083		137,936	(27,809)	1,691,315
2001	99,924	571	29,915	1,908	7,060	1,020	140,398	(61,020)	1,630,295
2002	93,321	1,264	33,073	1,302	5,035	771	134,766	(48,876)	1,581,419
2003	97,971	1,372	42,187	1,343	9,913	825	153,611	(26,363)	1,555,056
2004	102,224	1,328	28,005	1,415	9,098	310	142,380	(31,995)	1,523,061
2005	99,375	1,303	14,458	2,452	7,864	9,783	135,235	169,365	1,692,426
2006	102,145	1,569	1,966	2,343	12,591	6,314	126,928	143,301	1,835,727

NOTES:
[1] April-July Runoff of the Kern River in % of average (1894-2005 = 464,430 AF)
[2] BV KR Supply (Surface deliveries to KR Intertie and surface sales to other in county jurisdictions downstream of 2nd Point taken out)
[3] FK supplies (NO BANKING FOR 3RD PARTY)
[4] SWP + pool purchases (NO BANKING FOR 3RD PARTY)
[5] Art 21 purchases
[6] Other purchased supplies

[8] Proportionate share of unappropriated minor local streams (#'s in discussion so left out for now)
[9] Gross Precip estimated at Meadows Field x cropped acreage + effective precip on other surfaces.
[10] = Sum of [2] through [9].

[11] Estimated crop water use (transpiration and soil evap) per CSPU.
[12] Industrial recovery contracts from BVWSD to westside oilfields

[14] Special project deliveries and Kern Fan pumping
[15] Water surface evaporation losses.
[16] Flows north of Hwy 46 (not including wheeling but including sales)
[17] = MOU agreed to project losses start in 1995
[18] = Sum of [11] through [17].

BV GW Operations (7-21-09).xlsx BV Balance

Prepared by: DWB 9/25/2009

BUENA VISTA WATER STORAGE DISTRICT
GROUNDWATER SUB-ACCOUNT BALANCES

YEAR	TOTAL BV Balance (AF)	Project #101 GW Sale Non-Dedicated (AF)	Project #102 GW Sale Chevron (AF)	Project #103 GW Sale Union (AF)	Project #104 GW Sale PXP (AF)	Project #105 GW Sale BV/RRB IN BV (AF)	Project #201 Exchange ID4 (AF)	Project #202 Exchange WKWD 2003- (AF)	Project #203 Exchange WWD (AF)	Project #301 KF Banking 2800 Acres (AF)	Project #302a KF Banking Pioneer (AF)	Project #302b KF Banking Pioneer ODC (AF)	Project #303 KF Banking RRB (AF)	Project #304 KF Banking KWB (AF)	Project #001 GW Account Non-Dedicated (AF)
1970	39,108														39,108
1971	49,709														49,709
1972	27,927														27,927
1973	82,282														82,282
1974	179,403														179,403
1975	235,784														235,784
1976	198,090														198,090
1977	113,270														113,270
1978	253,240									6056					247,184
1979	346,463									15,969					330,494
1980	506,793									15,969					490,824
1981	539,401	0	20,000	20,000						15,969					483,432
1982	681,351	0	19,357	19,940						40,434					601,620
1983	876,808	0	18,674	19,520						40,434					798,180
1984	972,524	40,000	18,019	19,027						40,434					855,044
1985	1,015,810	40,000	17,364	18,319						40,434					899,693
1986	1,144,264	40,000	16,769	17,954						50,434					1,019,107
1987	1,141,479	40,000	16,180	17,616						44,434					1,023,249
1988	1,104,511	40,000	15,618	17,488						39,434					991,971
1989	1,088,655	40,000	15,027	17,436						36,296					979,896
1990	1,012,227	40,000	14,474	17,434						34,054					906,265
1991	975,354	40,000	13,901	17,344						29,644					874,465
1992	926,558	40,000	13,356	17,340						25,640					830,222
1993	985,443	40,000	12,866	17,301						33,489					881,787
1994	983,302	40,000	12,543	17,088						33,489					880,182
1995	1,193,360	87,976	12,135	16,847			54,622			53,489	6,800	283		0	961,208
1996	1,339,265	107,925	11,594	16,147			67,377		0	73,489	6,800	283		0	1,055,651
1997	1,473,861	142,620	10,938	15,397			67,377		(7080)	73,489	6,994	3,994		0	1,160,133
1998	1,715,334	197,156	10,201	14,750			67,377		(7793)	88,412	6,994	12,161		0	1,326,077
1999	1,719,124	197,156	9,517	14,202			67,377		(3034)	88,609	6,994	12,161		0	1,326,143
2000	1,691,315	197,156	8,776	13,443			58,764		(3034)	88,609	6,994	12,161		0	1,308,447
2001	1,630,295	175,760	8,205	13,443			58,764		(3034)	79,071	7,010	12,161		0	1,278,915
2002	1,581,419	160,010	6,941	13,443		0	51,264		(3034)	70,969	4,862	12,175	0	0	1,264,789
2003	1,555,056	28,949	5,569	13,443		113,728	42,383	(8,944)	(3034)	66,419	2,081	12,175	0	0	1,282,288
2004	1,523,061	22,828	4,241	13,443		113,728	34,883	(18,944)	(3034)	61,743	2,081	12,175	294	0	1,279,623
2005	1,692,426	39,846	2,938	13,443		113,728	34,883	14,833	(3034)	61,743	19,005	12,768	53,792	0	1,328,481
2006	1,835,727	66,851	1,715	13,443	2,974	113,728	34,861	27,881	(3034)	61,743	20,209	16,782	90,640	0	1,387,934

BV GW Operations (7-21-09).xlsx SUB-ACCOUNT BALANCES

Prepared by: DWB 9/25/2009

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #101 NON-DEDICATED GROUNDWATER SALE
GENERAL ACCOUNT

YEAR	RECHARGE (EVAP ALREADY OUT)				MOU RECHARGE LOSS			OTHER LOSS			OUT-OF-COUNTY LOSS			TOTAL LOSS
	KR (AF)	FK (AF)	SWP (AF)	Total (AF)	KR 3% (AF)	FK 3% (AF)	SWP 3% (AF)	KR 4% (AF)	FK 4% (AF)	SWP 4% (AF)	KR 5% (AF)	FK 5% (AF)	SWP 5% (AF)	(AF)
1981	40,000			40,000										
1982														
1983														
1984	40,000			40,000										
1985														
1986														
1987														
1988														
1989														
1990														
1991														
1992														
1993														
1994														
1995	30,000		21,521	51,521	(900)		(846)	(1,184)		(935)				(3,545)
1996	5,000		16,422	21,422	(150)		(493)	(194)		(637)				(1,474)
1997	35,000		2,259	37,259	(1,050)		(68)	(1,358)		(88)				(2,563)
1998	50,000		8,585	58,585	(1,500)		(257)	(1,940)		(332)				(4,029)
1999														
2000														
2001													(1,019)	(1,019)
2002													(750)	(750)
2003											(600)		(225)	(825)
2004											(190)		(101)	(291)
2005	6,631		24,000		(199)		(720)	(257)		(931)	(548)			(2,655)
2006			29,000				(870)			(1,125)				(1,995)

YEAR	OUT-OF-COUNTY SALE				IN COUNTY SALE				TRANSFER OF ACCOUNTS				ACCOUNT BALANCE			
	KR (AF)	FK (AF)	SWP (AF)	Total (AF)	KR (AF)	FK (AF)	SWP (AF)	Total (AF)	KR (AF)	FK (AF)	SWP (AF)	Total (AF)	KR (AF)	FK (AF)	SWP (AF)	TOTAL (AF)
1981									(40,000)							
1982																
1983																
1984													40,000			40,000
1985													40,000			40,000
1986													40,000			40,000
1987													40,000			40,000
1988													40,000			40,000
1989													40,000			40,000
1990													40,000			40,000
1991													40,000			40,000
1992													40,000			40,000
1993													40,000			40,000
1994													40,000			40,000
1995													67,936		20,040	87,976
1996													72,592		35,333	107,925
1997													105,154		37,436	142,620
1998													151,744		45,412	197,156
1999													151,744		45,412	197,156
2000													151,744		45,412	197,156
2001			(20,377)	(20,377)									151,744		24,016	175,760
2002			(15,000)	(15,000)									151,744		8,266	160,010
2003	(12,000)		(4,506)	(16,506)					(113,728)			(113,728)	25,416		3,533	28,949
2004	(3,803)		(2,026)	(5,829)									21,423		1,405	22,828
2005	(10,958)			(10,958)									16,092		23,754	39,846
2006													16,092		50,759	66,851

Recharge Notes:
1981 - 40,000 AF Pre-consolidation water from Nickel banked in BV for Chevron and Union
1984 - 40,000 AF Pre-consolidation water from Nickel banked in BV for BVRRB start-up (2002 BV/RRB EIR)
1995-98 - 120,000 AF High Flow KR recharged by BV for BVRR start-up (2002 BV/RRB EIR)
1995-98 - 48,787 AF of High Flow SWP recharged by BV for 2001- sales (WK Program and 2002 Neg Dec)
2005-06 - 53,000 AF of "unallocated" Art 21 recharged by BV for 2006- sales (2006 Neg Dec)
2005 - 6631 AF of KR recharged for WKWD per paragraph 3 of 2000 Amendment
2006 - 6548 AF of "other" loss was offered per the BV MOU and all was purchased

Recovery/Transfer Notes:
2001 - 20,377 AF SWP transferred to WKWD to accomidate 2001 EWA sale (20,377 AF of 1995-98 SWP)
2002 - 15,000 AF SWP transferred to EWA (15,000 AF of 1995-98 SWP)
2003 - 16,506 AF SWP transferred to EWA (12,000 AF from 1995-98 KR & 4506 AF from 1995-98 SWP)
2003 - 113,728 af of recharge transferred to Project#105 RRB
2004 - 5829 AF SWP transferred to EWA (2465 AF from 1995-98 KR & 3364 AF from 1995-98 KR)
2005 - 10,958 AF SWP transfer
2007 - 5,000 AF SWP transferred to EWA (5,000 from 1995-98 KR)

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #102 GROUNDWATER SALE
CHEVRON ACCOUNT

YEAR	ACCOUNT (AF)	SALE (AF)	BALANCE (AF)
1981	20,000	0	20000
1982		(643)	19357
1983		(683)	18674
1984		(655)	18019
1985		(655)	17364
1986		(595)	16769
1987		(589)	16180
1988		(562)	15618
1989		(591)	15027
1990		(553)	14474
1991		(573)	13901
1992		(545)	13356
1993		(490)	12866
1994		(323)	12543
1995		(408)	12135
1996		(541)	11594
1997		(656)	10938
1998		(737)	10201
1999		(684)	9517
2000		(741)	8776
2001		(571)	8205
2002		(1264)	6941
2003		(1372)	5569
2004		(1328)	4241
2005		(1303)	2938
2006		(1223)	1715

BV GW Operations (7-21-09).xlsx Project#102 GW Sale Chevron

Prepared by: DWB 9/25/2009

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #103 GROUNDWATER SALE
UNION ACCOUNT

YEAR	ACCOUNT (AF)	RECOVERY (AF)	BALANCE (AF)
1981	20,000	0	20000
1982		(60)	19940
1983		(420)	19520
1984		(493)	19027
1985		(708)	18319
1986		(365)	17954
1987		(338)	17616
1988		(128)	17488
1989		(52)	17436
1990		(2)	17434
1991		(90)	17344
1992		(4)	17340
1993		(39)	17301
1994		(213)	17088
1995		(241)	16847
1996		(700)	16147
1997		(750)	15397
1998		(647)	14750
1999		(548)	14202
2000		(759)	13443
2001		0	13443
2002		0	13443
2003		0	13443
2004		0	13443
2005		0	13443
2006		0	13443
2006		0	13443

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #104 GROUNDWATER SALE
PXP

YEAR	ACCOUNT (AF)	HISTORICAL (AF)	RECOVERY (AF)	SALE	BALANCE (AF)
2006	3,320	(219)	(565)	(346)	2974

BV GW Operations (7-21-09).xlsx Project#104 GW Sale PXP

Prepared by: DWB 9/29/2009

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #105
BVWSD/RRBWSD PROGRAM "BANK" ACCOUNT IN BVWSD

YEAR	ACCOUNT				OUT OF COUNTY LOSS				SALE				ACCOUNT BALANCE			
	KR HAC (AF)	KR HQ (AF)	(AF)	TOTAL (AF)	KR HAC 0% (AF)	KR HQ 5% (AF)		TOTAL (AF)	KR HAC (AF)	KR HQ (AF)		TOTAL (AF)	KR HAC (AF)	KR HQ (AF)		**TOTAL (AF)**
2002								0				0				
2003	40,000	73,728		113,728				0				0	40,000	73,728		**113,728**
2004				0				0				0	40,000	73,728		**113,728**
2005				0				0				0	40,000	73,728		**113,728**
2006				0				0				0	40,000	73,728		**113,728**

Recovery Notes: NO 5% OR OTHER LOSSES TO BE ASSESSED TO 40K IN 1984
2007 Recovery consists of 2750 AF delivery to CLWA and 5500 AF transfer to CLWA account in RRB per Addendum #3 with CLWA

BV GW Operations (7-21-09).xlsx Project#105 RRB in BV

Prepared by: DWB 9/25/2009

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #201 EXCHANGE
IMPROVEMENT DISTRICT #4 ACCOUNT

YEAR	BVWSD DELIVERIES TO ID4 (AF)	ID4 DELIVERIES TO BVWSD (AF)	TO BV (AF)	FROM BV (AF)	BALANCE (AF)
1995	56,622	(2000)			54,622
1996	20,222	(7467)			67,377
1997					67,377
1998					67,377
1999					67,377
2000		(8613)			58,764
2001					58,764
2002		(5000)		(2500)	51,264
2003		(8881)			42,383
2004		(5000)		(2500)	34,883
2005					34,883
2006	1944	(1966)			34,861

Notes:

BV GW Operations (7-21-09).xlsx Project#201 Exchange ID4

Prepared by: DWB 9/25/2009

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #202 EXCHANGE
WEST KERN WD ACCOUNT

PERIOD	BVWSD DELIVERIES TO WKPV							WK DELIVERIES TO BVWSD	BALANCE
	RIVER AREA			MAIN CANAL AREA			TOTAL	BVWSD SERVICE AREA	
	BYPASS	RIVER	SUBTOTAL	MAIN	KWB	SUBTOTAL			
	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)
2003	0	181	181	342	0	342	523	(9467)	(8,944)
2004	0	0	0	0	0	0	0	(10000)	(18,944)
2005	16,711	6,059	22,770	1,227	9,780	11,007	33,777	0	14,833
2006	4,796	5,704	10,500	1,647	901	2,548	13,048	0	27,881

BV GW Operations (7-21-09).xlsx Project#202 Exchange WK 03-

Prepared by: DWB 9/25/2009

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #203 EXCHANGE
WESTLANDS ACCOUNT

YEAR	BVWSD DELIVERIES TO WWD (AF)	WWD DELIVERIES TO BVWSD (AF)	BALANCE (AF)
1995			
1996			
1997	(7080)		(7080)
1998	(1309)	596	(7793)
1999		4759	(3034)
2000			(3034)
2001			(3034)
2002			(3034)
2003			(3034)
2004			(3034)
2005			(3034)
2006			(3034)

BV GW Operations (7-21-09).xlsx Project#203 Exchange WWD

Prepared by: DWB 9/25/2009

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #301
2800 ACRE ACCOUNT

YEAR	RECHARGE KR (AF)	RECHARGE FK (AF)	RECHARGE SWP (AF)	RECHARGE Total (AF)	MOU RECHARGE LOSS KR 6% (AF)	MOU RECHARGE LOSS FK 6% (AF)	MOU RECHARGE LOSS SWP 6% (AF)	MIGRATION LOSS KR 0% (AF)	MIGRATION LOSS FK 0% (AF)	MIGRATION LOSS SWP 0% (AF)	OUT OF COUNTY LOSS KR 5% (AF)	OUT OF COUNTY LOSS FK 5% (AF)	OUT OF COUNTY LOSS SWP 5% (AF)	TOTAL LOSS (AF)	RECOVERY OR TRANSFER KR (AF)	RECOVERY OR TRANSFER FK (AF)	RECOVERY OR TRANSFER SWP (AF)	RECOVERY OR TRANSFER Total (AF)	ACCOUNT BALANCE KR (AF)	ACCOUNT BALANCE FK (AF)	ACCOUNT BALANCE SWP (AF)	ACCOUNT BALANCE TOTAL (AF)
1978	6,056			6,056										0					6,056	0	0	**6,056**
1979		9,913		9,913										0					6,056	9,913	0	**15,969**
1980				0										0					6,056	9,913	0	**15,969**
1981				0										0					6,056	9,913	0	**15,969**
1982	5,433	15,521	3,511	24,465										0					11,489	25,434	3,511	**40,434**
1983				0										0					11,489	25,434	3,511	**40,434**
1984				0										0					11,489	25,434	3,511	**40,434**
1985				0										0					11,489	25,434	3,511	**40,434**
1986	10,000			10,000										0					21,489	25,434	3,511	**50,434**
1987				0										0	(6,000)			(6,000)	15,489	25,434	3,511	**44,434**
1988				0										0	(5,000)			(5,000)	10,489	25,434	3,511	**39,434**
1989				0										0	(3,138)			(3,138)	7,351	25,434	3,511	**36,296**
1990				0										0	(2,242)			(2,242)	5,109	25,434	3,511	**34,054**
1991				0										0	(4,410)			(4,410)	699	25,434	3,511	**29,644**
1992				0										0	(699)	(3,305)		(4,004)	0	22,129	3,511	**25,640**
1993	865	6,984		7,849										0				0	865	29,113	3,511	**33,489**
1994				0										0				0	865	29,113	3,511	**33,489**
1995	20,000			20,000										0				0	20,865	29,113	3,511	**53,489**
1996	17,002	2,998		20,000										0				0	37,867	32,111	3,511	**73,489**
1997				0										0				0	37,867	32,111	3,511	**73,489**
1998	15,875			15,875	(953)	0	0	0	0	0				(953)				0	52,790	32,111	3,511	**88,412**
1999	210			210	(13)	0	0	0	0	0				(13)				0	52,987	32,111	3,511	**88,609**
2000				0	0	0	0	0	0	0				0				0	52,987	32,111	3,511	**88,609**
2001				0	0	0	0	0	0	0				0		(6,027)	(3,511)	(9,538)	52,987	26,084	0	**79,071**
2002				0	0	0	0	0	0	0				0	(5,732)	(2,370)		(8,102)	47,255	23,714	0	**70,969**
2003				0	0	0	0	0	0	0				0	(3,211)	(1,339)		(4,550)	44,044	22,375	0	**66,419**
2004				0	0	0	0	0	0	0				0	(4,676)			(4,676)	39,368	22,375	0	**61,743**
2005				0	0	0	0	0	0	0				0				0	39,368	22,375	0	**61,743**
2006				0	0	0	0	0	0	0				0				0	39,368	22,375	0	**61,743**

BV GW Operations (7-21-09).xlsx Project#301 2800

Prepared by: DWB 9/25/2009

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #302a
PIONEER PROJECT "BANK" ACCOUNT

YEAR	RECHARGE KR (AF)	RECHARGE FK (AF)	RECHARGE SWP (AF)	RECHARGE Total (AF)	MOU RECHARGE LOSS KR 6% (AF)	MOU RECHARGE LOSS FK 6% (AF)	MOU RECHARGE LOSS SWP 6% (AF)	MIGRATION LOSS KR 4% (AF)	MIGRATION LOSS FK 4% (AF)	MIGRATION LOSS SWP 4% (AF)	OUT OF COUNTY LOSS KR 5% (AF)	OUT OF COUNTY LOSS FK 5% (AF)	OUT OF COUNTY LOSS SWP 5% (AF)	TOTAL LOSS (AF)	RECOVERY OR TRANSFER KR (AF)	RECOVERY OR TRANSFER FK (AF)	RECOVERY OR TRANSFER SWP (AF)	RECOVERY OR TRANSFER Total (AF)	ACCOUNT BALANCE KR (AF)	ACCOUNT BALANCE FK (AF)	ACCOUNT BALANCE SWP (AF)	ACCOUNT BALANCE TOTAL (AF)
1995	7,535			7,535	(452)	0	0	(283)	0	0				(735)				0	6,800	0	0	**6,800**
1996				0	0	0	0	0	0	0				0				0	6,800	0	0	**6,800**
1997	215			215	(13)	0	0	(8)	0	0				(21)				0	6,994	0	0	**6,994**
1998				0	0	0	0	0	0	0				0				0	6,994	0	0	**6,994**
1999				0	0	0	0	0	0	0				0				0	6,994	0	0	**6,994**
2000				0	0	0	0	0	0	0				0				0	6,994	0	0	**6,994**
2001	18			18	(1)	0	0	(1)	0	0				(2)				0	7,010	0	0	**7,010**
2002	358			358	(21)	0	0	(13)	0	0				(35)	(2,471)			(2,471)	4,862	0	0	**4,862**
2003				0	0	0	0	0	0	0				0	(2,781)			(2,781)	2,081	0	0	**2,081**
2004				0	0	0	0	0	0	0				0				0	2,081	0	0	**2,081**
2005	14,876			14,876	(893)	0	0	(559)	0	0				(1,452)	3,500			3,500	19,005	0	0	**19,005**
2006	302		1,032	1,334	(18)	0	(62)	(11)	0	(39)				(130)				0	19,278	0	931	**20,209**
SUM	7,768	0	0	7,768	(466)	0	0	(292)	0	0	0	0	0	(758)	0	0	0	0				

Recharge Notes:
2005 BV and RRB did a 2:1 Pioneer ODC for Banking exchange

BV GW Operations (7-21-09).xlsx Project#302a Pioneer - BANK

Prepared by: DWB 9/25/2009

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #302b
PIONEER PROJECT "Over Draft Correction" ACCOUNT

YEAR	RECHARGE KR (AF)	RECHARGE FK (AF)	RECHARGE SWP (AF)	RECHARGE Total (AF)	MOU RECHARGE LOSS KR 6% (AF)	MOU RECHARGE LOSS FK 6% (AF)	MOU RECHARGE LOSS SWP 6% (AF)	MIGRATION LOSS KR 4% (AF)	MIGRATION LOSS FK 4% (AF)	MIGRATION LOSS SWP 4% (AF)	OUT OF COUNTY LOSS KR 5% (AF)	OUT OF COUNTY LOSS FK 5% (AF)	OUT OF COUNTY LOSS SWP 5% (AF)	TOTAL LOSS (AF)	TRANSFER KR (AF)	TRANSFER FK (AF)	TRANSFER SWP (AF)	TRANSFER Total (AF)	ACCOUNT BALANCE KR (AF)	ACCOUNT BALANCE FK (AF)	ACCOUNT BALANCE SWP (AF)	ACCOUNT BALANCE TOTAL (AF)
1995				0	0	0	0	283	0	0				283				0	283	0	0	**283**
1996				0	0	0	0	0	0	0				0				0	283	0	0	**283**
1997	3,939			3,939	(236)	0	0	8	0	0				(228)				0	3,994	0	0	**3,994**
1998	8,688			8,688	(521)	0	0	0	0	0				(521)				0	12,161	0	0	**12,161**
1999				0	0	0	0	0	0	0				0				0	12,161	0	0	**12,161**
2000				0	0	0	0	0	0	0				0				0	12,161	0	0	**12,161**
2001				0	0	0	0	1	0	0				1				0	12,161	0	0	**12,161**
2002				0	0	0	0	13	0	0				13				0	12,175	0	0	**12,175**
2003				0	0	0	0	0	0	0				0				0	12,175	0	0	**12,175**
2004				0	0	0	0	0	0	0				0				0	12,175	0	0	**12,175**
2005	7,483			7,483	(449)	0	0	559	0	0				110	(7,000)			(7,000)	12,768	0	0	**12,768**
2006	3,383	834		4,217	(203)	(50)	0	11	0	39				(203)				0	15,960	784	39	**16,782**
SUM	12,627	0	0	12,627	(758)	0	0	292	0	0	0	0	0	(466)	0	0	0	0				

Recharge Notes:
2005 BV and RRB did a 2:1 Pioneer ODC for Banking exchange
4% Migration losses from Pioneer banking need to be added in

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #303
BVWSD/RRBWSD PROGRAM "BANK" ACCOUNT IN RRBWSD

YEAR	RECHARGE				MOU RECHARGE LOSS			MIGRATION LOSS			OUT OF COUNTY LOSS			TOTAL LOSS	RECOVERY OR TRANSFER OR SALE				ACCOUNT BALANCE			
	KR (AF)	FK (AF)	SWP (art 21) (AF)	Total (AF)	KR 6% (AF)	FK 6% (AF)	SWP 6% (AF)	KR 4% (AF)	FK 4% (AF)	SWP 4% (AF)	KR 5% (AF)	FK 5% (AF)	SWP 5% (AF)	(AF)	KR (AF)	FK (AF)	SWP (AF)	Total (AF)	KR (AF)	FK (AF)	SWP (AF)	**TOTAL (AF)**
2002				0	0	0	0	0	0	0				0				0	0	0	0	**0**
2003				0	0	0	0	0	0	0				0				0	0	0	0	**0**
2004			313	313	0	0	(19)	0	0	0				(19)				0	0	0	294	**294**
2005	56,411		2,873	59,284	(3,385)	0	(172)	(2,121)	0	(108)				(5,786)				0	50,905	0	2,887	**53,792**
2006	38,087	144	2,602	40,833	(2,285)	(9)	(156)	(1,432)	(5)	(98)				(3,985)				0	85,275	130	5,235	**90,640**

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #304
KWB ACCOUNT

YEAR	RECHARGE KR (AF)	RECHARGE FK (AF)	RECHARGE SWP (AF)	RECHARGE Total (AF)	MOU RECHARGE LOSS KR 6% (AF)	MOU RECHARGE LOSS FK 6% (AF)	MOU RECHARGE LOSS SWP 6% (AF)	MIGRATION LOSS KR 4% (AF)	MIGRATION LOSS FK 4% (AF)	MIGRATION LOSS SWP 4% (AF)	OUT OF COUNTY LOSS KR 5% (AF)	OUT OF COUNTY LOSS FK 5% (AF)	OUT OF COUNTY LOSS SWP 5% (AF)	TOTAL LOSS (AF)	RECOVERY OR TRANSFER KR (AF)	RECOVERY OR TRANSFER FK (AF)	RECOVERY OR TRANSFER SWP (AF)	RECOVERY OR TRANSFER Total (AF)	ACCOUNT BALANCE KR (AF)	ACCOUNT BALANCE FK (AF)	ACCOUNT BALANCE SWP (AF)	ACCOUNT BALANCE **TOTAL (AF)**
1995				0	0	0	0	0	0	0				0				0	0	0	0	**0**
1996				0	0	0	0	0	0	0				0				0	0	0	0	**0**
1997				0	0	0	0	0	0	0				0				0	0	0	0	**0**
1998				0	0	0	0	0	0	0				0				0	0	0	0	**0**
1999				0	0	0	0	0	0	0				0				0	0	0	0	**0**
2000				0	0	0	0	0	0	0				0				0	0	0	0	**0**
2001				0	0	0	0	0	0	0				0				0	0	0	0	**0**
2002				0	0	0	0	0	0	0				0				0	0	0	0	**0**
2003				0	0	0	0	0	0	0				0				0	0	0	0	**0**
2004				0	0	0	0	0	0	0				0				0	0	0	0	**0**
2005				0	0	0	0	0	0	0				0				0	0	0	0	**0**
2006				0	0	0	0	0	0	0				0				0	0	0	0	**0**

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

KERN DELTA WATER DISTRICT GROUNDWATER BANKING PROGRAM

SUMMARY 2003 - 2006

(QUANTITIES ACRE-FEET)

SOURCE	2003	2004	2005	2006	TOTAL
KERN ISLAND					
MWD WATER DIVERTED	5,441	-	2,757	1,131	**9,329**
MWD WATER DELIVERED (IRRIGATION)	4,760	-	2,694	1,121	**8,575**
LOSS/SPREADING	-681	-	-63	10	**-754**
EASTSIDE					
MWD WATER DIVERTED	1,798	-	2,361	383	**4,542**
MWD WATER DELIVERED (IRRIGATION)	1,798	-	2,241	368	**4,407**
CANAL LOSS	-	-	-120	-15	**-135**
BUENA VISTA					
MWD WATER DIVERTED	5,461	-	2,677	89	**8,227**
MWD WATER DELIVERED (IRRIGATION)	4,406	-	622	-	**5,028**
LOSS/SPREADING	-1,055	-	-2,055	-89	**-3,199**
STINE					
MWD WATER DIVERTED	4,207	-	6,846	2,487	**13,540**
MWD WATER DELIVERED (IRRIGATION)	2,345	-	1,267	1,340	**4,952**
CANAL LOSS	-	-		844	**844**
LOSS/SPREADING	-1,862	-	-5,579	-1,147	**-8,588**
FARMERS					
MWD WATER DIVERTED	3,211	-	933	119	**4,263**
MWD WATER DELIVERED (IRRIGATION)	1,956	-	362	34	**2,352**
CANAL LOSS	-	-		85	**85**
LOSS/SPREADING	-1,255	-	-571	-	**-1,826**
SUMMARY					
MWD WATER DIVERTED	20,118	-	15,574	4,209	**39,901**
MWD WATER DELIVERED (IRRIGATION)	15,265	-	7,186	2,863	**25,314**
CANAL LOSS	-	-	120	944	**1,064**
LOSS/SPREADING	-4,853	-	-8,268	-402	**-13,523**

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

KERN DELTA WATER DISTRICT GROUNDWATER BANKING PROGRAM

(QUANTITIES ACRE-FEET)

YEAR: **2005**

SOURCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
KERN ISLAND													
MWD WATER DIVERTED	-	-	-	-	-	-	-	1,615	1,079	-	63	-	**2,757**
MWD WATER DELIVERED (IRRIGATION)	-	-	-	-	-	-	-	1,615	1,079	-	-	-	**2,694**
LOSS/SPREADING	-	-	-	-	-	-	-	-	-	-	-63	-	**-63**
EASTSIDE													
MWD WATER DIVERTED	-	-	-	-	-	-	-	1,204	1,092	65	-	-	**2,361**
MWD WATER DELIVERED (IRRIGATION)	-	-	-	-	-	-	-	1,146	1,030	65	-	-	**2,241**
CANAL LOSS	-	-	-	-	-	-	-	-58	-62	-	-	-	**-120**
BUENA VISTA													
MWD WATER DIVERTED	-	-	-	-	829	248	178	180	653	589	-	-	**2,677**
MWD WATER DELIVERED (IRRIGATION)	-	-	-	-	-	-	-	-	274	348	-	-	**622**
LOSS/SPREADING	-	-	-	-	-829	-248	-178	-180	-379	-241	-	-	**-2,055**
STINE													
MWD WATER DIVERTED	-	-	-	-	1,347	778	651	1,178	2,249	643	-	-	**6,846**
MWD WATER DELIVERED (IRRIGATION)	-	-	-	-	-	-	-	361	906	-	-	-	**1,267**
LOSS/SPREADING	-	-	-	-	-1,347	-778	-651	-817	-1,343	-643	-	-	**-5,579**
FARMERS													
MWD WATER DIVERTED	-	-	-	-	-	-	-	214	656	63	-	-	**933**
MWD WATER DELIVERED (IRRIGATION)	-	-	-	-	-	-	-	-	362	-	-	-	**362**
LOSS/SPREADING	-	-	-	-	-	-	-	-214	-294	-63	-	-	**-571**
SUMMARY													
MWD WATER DIVERTED	-	-	-	-	2,176	1,026	829	4,391	5,729	1,360	63	-	**15,574**
MWD WATER DELIVERED (IRRIGATION)	-	-	-	-	-	-	-	3,122	3,651	413	-	-	**7,186**
CANAL LOSS	-	-	-	-	-	-	-	58	62	-	-	-	**120**
LOSS/SPREADING	-	-	-	-	-2,176	-1,026	-829	-1,211	-2,016	-947	-63	-	**-8,268**

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

KERN DELTA WATER DISTRICT GROUNDWATER BANKING PROGRAM

(QUANTITIES ACRE-FEET)

YEAR: **2006**

SOURCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
KERN ISLAND													
MWD WATER DIVERTED	-	-	-	-	-	-	629	492	-	10	-	-	**1,131**
MWD WATER DELIVERED (IRRIGATION)	-	-	-	-	-	-	629	492	-	-	-	-	**1,121**
MWD WATER DELIVERED (LOSS/SPREADING)	-	-	-	-	-	-	-	-	-	-10	-	-	**-10**
EASTSIDE													
MWD WATER DIVERTED	-	-	-	-	-	-	105	171	42	65	-	-	**383**
MWD WATER DELIVERED (IRRIGATION)	-	-	-	-	-	-	105	171	42	50	-	-	**368**
CANAL LOSS	-	-	-	-	-	-	-	-	-	-15	-	-	**-15**
BUENA VISTA													
MWD WATER DIVERTED	-	-	-	-	-	-	18	14	6	51	-	-	**89**
MWD WATER DELIVERED (IRRIGATION)	-	-	-	-	-	-	-	-	-	-	-	-	**0**
MWD WATER DELIVERED (LOSS/SPREADING)	-	-	-	-	-	-	-18	-14	-6	-51	-	-	**-89**
STINE													
MWD WATER DIVERTED	-	-	-	-	-	-	188	115	716	1,468	-	-	**2,487**
MWD WATER DELIVERED (IRRIGATION)	-	-	-	-	-	-	-	-	430	910	-	-	**1,340**
CANAL LOSS	-	-	-	-	-	-	-	-	286	558	-	-	**844**
MWD WATER DELIVERED (LOSS/SPREADING)	-	-	-	-	-	-	-188	-115	-	-	-	-	**-1,147**
FARMERS													
MWD WATER DIVERTED	-	-	-	-	-	-	-	-	-	119	-	-	**119**
MWD WATER DELIVERED (IRRIGATION)	-	-	-	-	-	-	-	-	-	34	-	-	**34**
CANAL LOSS	-	-	-	-	-	-	-	-	-	85	-	-	**85**
MWD WATER DELIVERED (LOSS/SPREADING)	-	-	-	-	-	-	-	-	-	-	-	-	**0**
SUMMARY													
MWD WATER DIVERTED	-	-	-	-	-	-	940	792	764	1,713	-	-	**4,209**
MWD WATER DELIVERED (IRRIGATION)	-	-	-	-	-	-	734	663	472	994	-	-	**2,863**
CANAL LOSS	-	-	-	-	-	-	-	-	286	658	-	-	**944**
MWD WATER DELIVERED (LOSS/SPREADING)	-	-	-	-	-	-	-206	-129	-6	-61	-	-	**-402**

Rosedale-Rio Bravo Water Storage District/Buena Vista Water Storage District Program
Groundwater Banking in RRBWSD

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Direct Recharge			1st Year	2nd Year	3rd Year	Reserve	Net Rech.	5% Out of	To BV	Return	Groundwtr	Account
Year	Gross Ac-Ft	6% Loss Ac-Ft	Net Ac-Ft	Reserve Ac-Ft	Reserve Ac-Ft	Reserve Ac-Ft	Purchased Ac-Ft	- Reser Ac-Ft	County Ac-Ft	Account Ac-Ft	by Exch. Ac-Ft	Recovery Ac-Ft	Balance Ac-Ft
2004	313	19	294	0	0	0	0	294	15	280	0	0	280
2005	59284	3,557	55,727	0	0	0	0	55,727	2,786	52,941	0	0	53,220
2006	40833	2,450	38,383	0	0	0	1,535	36,848	1,842	35,006	0	0	88,226
2007	0	0	0	0	0	0	0	0	0	0	24,750	0	63,476
2008	0	0	0	0	0	0	0	0	0	0	8,250	0	55,226

* Return in 2007 includes a groundwater transfer of 16,500 AF to CLWA's bank account and a delivery of 8,250 AF to CLWA by exchange.

Rosedale-Rio Bravo Water Storage District Groundwater Banking Program
For Castaic Lake Water Agency

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Direct Recharge			1st Year	2nd Year	3rd Year	Reserve	Net Rech.	5% Out of	To CL	Return	Groundwtr	Account
Year	Gross Ac-Ft	6% Loss Ac-Ft	Net Ac-Ft	Reserve Ac-Ft	Reserve Ac-Ft	Reserve Ac-Ft	Purchased Ac-Ft	- Reser Ac-Ft	County Ac-Ft	Account Ac-Ft	by Exch. Ac-Ft	Recovery Ac-Ft	Balance Ac-Ft
2004	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	20000	1,200	18,800	0	0	0	752	18,048	902	17,146	0	0	17,146
2006	20000	1,200	18,800	0	0	0	752	18,048	902	17,146	0	0	34,291
2007	8200	492	7,708	0	0	0	0	7,708	385	29,323	0	0	63,614
2008	0	0	0	0	0	0	0	0	0	0	0	0	63,614

* To CL Account in 2007 includes groundwater transfer of 22,000 AF from BV/RRB banking program
(16,500 AF from RRB portion, 5,500 AF from BV portion)

Rosedale-Rio Bravo Water Storage District Groundwater Banking Program
For Kern Tulare and Rag Gulch Water Districts

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
								Direct Program Recharge					
Year	Total Delivery Ac-Ft	RRBWSD 1/2 Share Ac-Ft	1st Year Reserve Ac-Ft	2nd Year Reserve Ac-Ft	3rd Year Reserve Ac-Ft	Reserve Purchased Ac-Ft	RRB Share - Reser Ac-Ft	Gross Ac-Ft	6% Loss Ac-Ft	Net Ac-Ft	Return by Exch. Ac-Ft	JURP Recovery Ac-Ft	Account Balance Ac-Ft
													1,304
2004	0	0	0	0	0	0	0	0	0	0	0	0	1,304
2005	49747	24874	0	0	0	935	23,939	24873	1,492	23,381	0	0	24,685
2006	10000	5000	0	0	0	188	4,812	5000	300	4,700	0	0	29,385
2007	0	0	0	0	0	0	0	0	0	0	10,000	2,302	17,083
2008	0	0	0	0	0	0	0	0	0	0	0	0	17,083

* Return in 2007 includes a groundwater transfer of 10,000 AF to RRBWSD.

Rosedale-Rio Bravo Water Storage District Groundwater Banking Program
For Arvin Edison Water Storage District

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Year	Total Delivery Ac-Ft	RRBWSD 1/2 Share Ac-Ft	Banking Loss (6%) Ac-Ft	RRB Share - Loss Ac-Ft	1st Year Reserve Ac-Ft	2nd Year Reserve Ac-Ft	3rd Year Reserve Ac-Ft	Reserve Purchased Ac-Ft	RRB Share - Reser Ac-Ft	Program Recharge Ac-Ft	Return by Exch. Ac-Ft	Groundwtr Recovery Ac-Ft	Account Balance Ac-Ft
													50,488
2004	0	0	0	0	0	0	0	0	0	0	17938	0	32,550
2005	86046	43023	2581	40,442	0	0	0	1,618	38,824	43,023	3943	0	71,630
2006	0	0	0	0	0	0	0	0	0	0	417	0	71,213
2007	0	0	0	0	0	0	0	0	0	0	7051	0	64,162
2008	0	0	0	0	0	0	0	0	0	0	1,188	7,983	54,991

Table A
West Kern Water District Groundwater Recharge and Recovery Program
Accounting for 1965-1976

August 15, 2007

Year	Total Annual Water Production	Prescriptive Right	Net Extraction	Recharge Detail	Recharge Annual	Net Storage Change	Storage Balance	References	Delivery Point
1965	4,299.30	3,000	N/A	10,000.0 [1]	10,000.0		10,000.00	A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x.	End of River Canal Section 24, T30S, R25E
1966	4,776.14	3,000	1,776.14	3,551.0 [2]	3,551.0	1,774.86	11,774.86	A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x.	
1967	5,428.41	3,000	2,428.41	14,413.5 [2]	14,413.5	11,985.09	23,759.95	A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x	
1968	7,871.27	3,000	4,871.27	2,035.7 [2]	2,035.7	(2,835.57)	20,924.38	A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x.	
1969	8,679.80	3,000	5,679.80		-	(5,679.80)	15,244.58	A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x.	
1970	8,712.67	3,000	5,712.67		-	(5,712.67)	9,531.91	A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x.	
1971	9,606.06	3,000	6,606.06	1,340.0 [3] 1,781.0 [3]	3,121.0	(3,485.06)	6,046.85	A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x. A-1005.3 for detail of delivery. A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x. A-1005.2 for detail of delivery.	
1972	9,772.83	3,000	6,772.83	4,402.0 [4] 2,455.5 [5]	6,857.5	84.67	6,131.52	A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x. A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x.	
1973	10,466.36	3,000	7,466.36	2,544.8 [5] 1,898.0 [4] 10,000.0 [6] 8,907.8 [7]	23,350.6	15,884.24	22,015.76	A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x. A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x. A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x. A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x.	
1974	10,656.87	3,000	7,656.87	325.3 [7] 2,001.3 [8] 10,001.7 [9]	12,328.3	4,671.43	26,687.19	A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x. A-1001.1 for recharge record. Detail of recharge shown in footnotes and detail of A-1002.x. A-1001.1 for recharge record. A-1011.2 for detail of delivery.	
1975	11,567.35	3,000	8,567.35	4,782.0 [10] 3,473.0 [10]	8,255.0	(312.35)	26,374.84	A-1001.1 for recharge record. A-1013.3 for detail of delivery. A-1001.1 for recharge record. A-1013.3 for detail of delivery.	
Transition to 1976/77-2002 Accounting First Half of 1976 1976	5,833.50	3,000	2,833.50	561.0 [10]	561.0	(2,272.50)	24,102.34	A-1001.1 for recharge record. A-1013.4 fro detail of delivery. A-1014.1 for detail of balance.	

Notes:

[1] Kern County Canal & Water Company water purchase. Current year and previous year net extraction not included in balance.
Initial balance at end of year established as 10,000 acre-feet.
[2] Anderson Canal water purchase. Total purchase of 20,000 acre-feet.
[3] Hacienda Water District water exchange. Total exchange of 3,121 acre-feet.
[4] Buena Vista Water Storage Distric water exchange. Total exchange of 6,300 acre-feet.
[5] Kern County Canal & Water Company water purchase. Total purchase of 5,000 acre-feet.
[6] Buena Vista Water Storage Distric water exchange. Total exchange of 10,000 acre-feet.
[7] Kern County Canal & Water Company water purchase. Total purchase of 9,233.1 acre-feet.
[8] Kern County Canal & Water Company water purchase. Total purchase of 2,001.3 acre-feet
[9] Kern County Canal & Water Company water purchase. Total purchase of 10,001.2 acre-feet.
[10] Kern County Canal & Water Company water purchase. Total purchase of 20,000 acre-feet.
8,255 acre-feet recharged in 1975, remaining 11,745 acre-feet recharged in subsequent years.
561 acre-feet recharged in first half of 1976, 11,184 remaining and carried into 1976-2002 sheet.

Water production record for 1965-1975 documented in "West Kern County Water District Groundwater Recharge Program" summary sheet for 1963-1979. First half of 1976 documented in West Kern Water District monthly water production sheets.

A-1003.x. Point of Delivery (POD): End of River Canal

A-1004.x. POD: End of River Canal
A-1005.x. POD: End of River Canal — A-1015.1. West Kern SWP water delivered to Hacienda. West Kern receives Kern River water.
A-1006.x. POD: Vicinity of West Kern WD well field. — A-1015.1. West Kern SWP water deliveryed to Buena Vista.
A-1007.1. (Missing agreement and detail)
A-1008.x. POD: Vicinity of West Kern WD well field. — A-1015.1. KCWA shows 3,514 delivery of WKWD SWP water to BVWSD.
A-1009.x. A-1010.x. POD: End of River Canal
A-1010.x. POD: End of River Canal
A-1011.x. POD: End of River Canal
A-1012.x. A-1013.x

A-1001.1 for 1965-75. Appendix D for 1976.

Sub-accounting

84,474	1965-76 Returned to Basin (1st half of 1976)
0	Losses
84,474	Returned after Losses
33,000	Prescriptive Right (does not include 1965, did not go into balance)
93,371	Extraction (does not include 1965, did not go into balance)
24,102	Net Balance

Table B

West Kern Water District Groundwater Recharge and Recover Program

Accounting for 1976-2002

August 15, 2007

Calendar Year	West Kern Water District Delivery to Buena Vista Water Storage District or Credit	Fiscal Year	West Kern Water District Delivery to Buena Vista Water Storage District (1)	West Kern Water District Direct Recharge (2)	Not Delivered to BVWSD but Credited WKWD Account (3)	5 Percent Reduction (4)	Net State Water Project Recharged (5)	Additional Purchases Exchanges (6)	Transfers In (7)	Recharge (8)	Well Field Production (9)	Transfers Out (10)	Net Extraction (11)	Change in Storage (12)	Balance (13)
															24,102.34
1976		**1976-77**						504		504.00	6,153.63		6,153.63	-5,649.63	
										0.00	5,627.08		2,627.08	-2,627.08	15,825.63
1977		**1977-78**						196		196.00	6,379.68		6,379.68	-6,183.68	
								1,988		1,988.00	6,021.58		3,021.58	-1,033.58	8,608.37
1978		**1978-79**						7,660		7,660.00	6,802.28		6,802.28	857.72	
			7,400				7,400.00	836		8,236.00	6,632.58		3,632.58	4,603.42	14,069.51
1979	14,800	**1979-80**	7,400				7,400.00			7,400.00	7,071.81		7,071.81	328.19	
			4,275				4,275.00	10,926		15,201.00	6,896.98		3,896.98	11,304.02	25,701.72
1980	8,550	**1980-81**	4,275				4,275.00			4,275.00	7,848.66		7,848.66	-3,573.66	
			6,100				6,100.00	5,897		11,997.00	7,961.83		4,961.83	7,035.17	29,163.23
1981	17,000	**1981-82**	10,900				10,900.00			10,900.00	9,029.47		9,029.47	1,870.53	
			7,286				7,286.00			7,286.00	7,740.49		4,740.49	2,545.51	33,579.27
1982	22,148	**1982-83**	14,862				14,862.00			14,862.00	7,714.98		7,714.98	7,147.02	
					10,444	522.20	9,921.80			9,921.80	7,509.98		4,509.98	5,411.82	46,138.11
1983	20,888	**1983-84**			10,444	522.20	9,921.80			9,921.80	8,152.60		8,152.60	1,769.20	
			15,629			781.45	14,847.55			14,847.55	7,834.78		4,834.78	10,012.77	57,920.08
1984	21,536	**1984-85**	5,907			295.35	5,611.65			5,611.65	8,770.73		8,770.73	-3,159.08	
			10,000			500.00	9,500.00			9,500.00	8,632.71		5,632.71	3,867.29	58,628.29
1985	20,959	**1985-86**	10,959			547.95	10,411.05			10,411.05	8,938.51		8,938.51	1,472.54	
			9,700			485.00	9,215.00			9,215.00	7,791.49		4,791.49	4,423.51	64,524.34
1986	22,792	**1986-87**	11,098		1,994	654.60	12,437.40			12,437.40	7,502.33		7,502.33	4,935.07	
			9,720			486.00	9,234.00			9,234.00	8,001.70		5,001.70	4,232.30	73,691.71
1987	23,291	**1987-88**	13,571			678.55	12,892.45			12,892.45	9,144.88		9,144.88	3,747.57	
			12,852			642.60	12,209.40			12,209.40	8,439.37		5,439.37	6,770.03	84,209.31
1988	24,711	**1988-89**	11,859			592.95	11,266.05			11,266.05	7,996.38		7,996.38	3,269.67	
			10,104			505.20	9,598.80			9,598.80	5,071.75		2,071.75	7,527.05	95,006.03
1989	28,959	**1989-90**	18,855			942.75	17,912.25			17,912.25	5,870.07		5,870.07	12,042.18	
			16,448			822.40	15,625.60			15,625.60	4,357.47		1,357.47	14,268.13	121,316.34
1990	30,429	**1990-91**	13,981			699.05	13,281.95			13,281.95	5,283.87		5,283.87	7,998.08	
			283			14.15	268.85			268.85	5,663.80		2,663.80	-2,394.95	126,919.47
1991	6,700	**1991-92**	6,417			320.85	6,096.15			6,096.15	8,741.05		8,741.05	-2,644.90	
			3,418			170.90	3,247.10			3,247.10	6,013.61		3,013.61	233.49	124,508.06
1992	12,414	**1992-93**	8,996			449.80	8,546.20			8,546.20	6,481.57		6,481.57	2,064.63	
			16,969			848.45	16,120.55			16,120.55	5,853.83		2,853.83	13,266.72	139,839.41
1993	30,426	**1993-94**	13,457			672.85	12,784.15			12,784.15	6,718.45		6,718.45	6,065.70	
			9,729			486.45	9,242.55			9,242.55	5,389.34		2,389.34	6,853.21	152,758.32
1994	20,474	**1994-95**	10,745			537.25	10,207.75			10,207.75	6,096.34		6,096.34	4,111.41	
			19,935			996.75	18,938.25			18,938.25	5,237.92		2,237.92	16,700.33	173,570.06
1995	40,379	**1995-96**	20,444			1,022.20	19,421.80			19,421.80	6,911.80		6,911.80	12,510.00	
			11,911			595.55	11,315.45			11,315.45	6,327.59		3,327.59	7,987.86	194,067.92
1996	25,597	**1996-97**	13,686			684.30	13,001.70			13,001.70	7,196.54		7,196.54	5,805.16	
			13,246			662.30	12,583.70			12,583.70	6,637.20		3,637.20	8,946.50	208,819.58
1997	17,920	**1997-98**	4,674			233.70	4,440.30			4,440.30	7,744.44		7,744.44	-3,304.14	
			0			0.00	0.00			0.00	5,722.11		2,722.11	-2,722.11	202,793.33
1998	23,602	**1998-99**	23,602			1,180.10	22,421.90			22,421.90	7,790.91		7,790.91	14,630.99	
			13,758			687.90	13,070.10			13,070.10	6,635.48		3,635.48	9,434.62	226,858.94
1999	29,758	**1999-00**	16,000			800.00	15,200.00			15,200.00	8,406.89		8,406.89	6,793.11	
			10,286			514.30	9,771.70			9,771.70	8,214.21		5,214.21	4,557.49	238,209.54
2000	22,480	**2000-01**	12,194			609.70	11,584.30			11,584.30	8,835.85		8,835.85	2,748.45	
			2,500			125.00	2,375.00		17,746	20,121	7,070.17	22,335.00	26,405.17	-6,284.17	234,673.82
2001	10,736	**2001-02**	8,236			411.80	7,824.20		2,631	10,455	8,654.13	2,631.00	11,285.13	-829.93	
			3,637			181.85	3,455.15			3,455.15	7,608.91		4,608.91	-1,153.76	232,690.13
2002	17,027	**2002 Jul-Dec**	13,390	424		690.70	13,123.30			13,123.30	8,400.77		8,400.77	4,722.53	237,412.66
			490,694		22,882				20,377.00		379,532.58	24,966.00		Rounded	237,413
												4,589.00		PV	54,919
														Non-PV	182,494

Column Notes:

(1) Water delivered to Buena Vista Water Storage District (BVWSD) from all sources for account of West Kern Water District (WKWD), prior to losses if applicable.
(2) Water credited to recharge account of WKWD from operation other than BVWSD.
(3) Water credited to account of WKWD by BVWSD but not delivered to BVWSD by WKWD. Transfer occurs from groundwater account of BVWSD.
(4) Five percent reduction, if applicable, applied to BVWSD facilitated recharge of BVWSD State Water Project (SWP) water (begins Calendar Year 1983).
(5) Net SWP water recharged or credited for WKWD, after losses if applicable.
(6) Non-SWP water recharged for WKWD, primarily facilitated through the City of Bakersfield.
(7) Environmental Water Account transfer accounting.
(8) Net water recharged or credited for WKWD, after losses if applicable.
(9) WKWD water production (extraction from acquifer).
(10) Environmental Water Account transfer accounting.
(11) Sumation of water production and transfers. Withdrawal is credited by 3,000 acre-feet each 2nd 6-month period for prescriptive right of groundwater recharge.
(12) Difference between net water recharged or credited and net water extracted or transferred.
(13) Acumulated balance of groundwater storage.

The math for PV v Non-PV

301,532.58	Net physical extraction from PV
-24,102.34	PV carry-over from 1965-1976
-28,007.00	PV from 1976-2002 COB
249,423.24	Need for BV PV credits during 1976-2002 (for extraction)
263,705.00	BV Record of Credit ("River Area - 2nd Pt to KR Outlet")
40,637.00	BV Record of Credit ("Main Canal Area")
304,342.00	Total Credit to PV for 1978-2002
-249,423.24	Need for BV PV credits during 1976-2002 (for extraction)
54,918.76	Inferred remaining PV credit

Table C-1
West Kern Water District Groundwater Recharge and Recovery Program

August 15, 2007

Accounting for 2003

		SWP Supply					Other Supplies - PV Adjustments					Balances			
		SWP Supply Recharged to PV	SWP Supply Recharged to PV Net Losses	SWP Supply Delivered to Others	La Paloma Delivery	SWP Account Balance	Other Recharge to PV	Other Recharge to PV Net Losses	Groundwater Exchange Net In	Groundwater Exchange Net Out	Wellfield Production	WKWD GW Balance	BV/WKWD PV Balance Loss not Incl	Other Assets Stored Balance Loss not Incl	WKWD Non-PV Balance
Beginning/Carryover Balance						30,332						54,919	0	0	182,494
SWP via KWBA to PV	Jan	1,064	1,011			29,268						55,930			
Well Production & La Paloma	Jan				123	29,145					986	54,944			
Well Production & La Paloma	Feb				139	29,006					820	54,124			
Well Production & La Paloma	Mar				288	28,718					1,033	53,091			
SWP Art 21 via KWBA to PV	Mar	430	409			28,288						53,500			
Well Production & La Paloma	Apr				145	28,143					1,246	52,254			
SWP via KWBA to PV	May	1,354	1,286			26,789						53,540			
Well Production & La Paloma	May				115	26,674					1,796	51,744			
Well Production & La Paloma	Jun				81	26,593					1,978	49,766			
SWP via KWBA to PV	Jun	1,656	1,573			24,937						51,339			
Prescriptive Right	Jun					24,937	3,000	3,000				54,339			
BV from K River and Main to PV	Jan-Jun					24,937	523	497				54,836	523		
BV Exchange	Jan-Jun			2,000		22,937		1,900				56,736	-1,477		
Well Production & La Paloma	Jul				166	22,771					2,391	54,345			
SWP via KWBA to PV	Jul	6,005	5,705			16,766						60,050			
SWP BM via KWBA to PV	Jul	2,135	2,007			14,631						62,057			
Well Production & La Paloma	Aug				264	14,367					2,213	59,844			
SWP BM via KWBA to PV	Aug	3,716	3,493			10,651						63,337			
Well Production & La Paloma	Sep				402	10,249					1,917	61,420			
Well Production & La Paloma	Oct				386	9,863					1,818	59,602			
Well Production & La Paloma	Nov				266	9,597					1,296	58,306			
Well Production & La Paloma	Dec				208	9,389					1,417	56,889			
BV Exchange	Jul-Dec			7,467		1,922		7,094				63,983	-8,944		
2003 Total / Balance		16,360	15,484	9,467	2,583	1,922	3,523	5,397	0	0	18,911	56,889	-8,944	0	182,494

Notes:

90% Allocation	SWP	22,500	Table A		
		1,270	Carryover from 2002		
		499	Art 21		
		189	Pool A		
		24	Pool B		
		5,850	Berenda Mesa		
		30,332	SWP Supply	Carryover into 2004	1,922

WKWD Current Balance in PV	***56,889***
BV Adjustment for BV/WKWD PV Delivery (Net)*	***8,497***
Additional Assets Balance (not including losses)	***0***
Total Effective Assets in PV	***65,386***
** Assumes 5 percent reduction when delivered*	
Total Assets including Western Non-PV	***247,880***

Table C-2
West Kern Water District Groundwater Recharge and Recovery Program

August 15, 2007

Accounting for 2004

		SWP Supply					Other Supplies - PV Adjustments					Balances			
		SWP Supply Recharged to PV	SWP Supply Recharged to PV Net Losses	SWP Supply Delivered to Others	La Paloma Delivery	SWP Account Balance	Other Recharge to PV	Other Recharge to PV Net Losses	Groundwater Exchange Net In	Groundwater Exchange Net Out	Wellfield Production	WKWD GW Balance	BV/WKWD PV Balance Loss not Incl	Other Assets Stored Balance Loss not Incl	WKWD Non-PV Balance
Beginning/Carryover Balance						24,424						56,889	-8,944		182,494
Rosedale Rio Bravo Exchange	Jan									100,000 [1]		56,889		33,333	82,494
Well Production & La Paloma	Jan				294	24,130					1,222	55,667			
SWP via KWBA to PV	Jan	1,922	1,826			22,208						57,493			
Well Production & La Paloma	Feb				341	21,867					1,186	56,307			
SWP 21 via KWBA to PV	Mar	1,397	1,327			20,470						57,634			
SWP via KWBA to PV	Mar	194	184			20,276						57,818			
Well Production & La Paloma	Mar				372	19,904					1,520	56,298			
Well Production & La Paloma	Apr				374	19,530					1,623	54,675			
Well Production & La Paloma	May				136	19,394					1,853	52,822			
Well Production & La Paloma	Jun				289	19,105					2,124	50,698			
BV Exchange	Jun			2,000		17,105		1,900				52,598	-10,944		
Prescriptive Right	Jun					17,105	3,000	3,000				55,598			
Well Production & La Paloma	Jul				416	16,689					2,393	53,205			
BV Exchange	Jul			6,000		10,689		5,700				58,905	-16,944		
SWP to KWBA Participants	Jul			6,493		4,196			6,125			65,030			
Well Production & La Paloma	Aug				482	3,714					2,312	62,718			
BV Exchange	Aug			2,000		1,714		1,900				64,618	-18,944		
Well Production & La Paloma	Sep				446	1,268					2,046	62,572			
Well Production & La Paloma	Oct				414	854					1,741	60,831			
Well Production & La Paloma	Nov				349	505					1,404	59,427			
Well Production & La Paloma	Dec				274	231					1,459	57,968			
2004 Totals		3,513	3,337	16,493	4,187	231	3,000	12,500	6,125	100,000	20,883	57,968	-18,944	33,333	82,494

Notes:

65% Allocation	SWP	20,475	Table A
		1,922	Carryover from 2003
		1,397	Art 21
		78	Pool A
		87	Pool B
		465	Local Pools
		24,424	SWP Supply

Carryover into 2005 231

Notes: 1 Exchange from Western Non-PV area

WKWD Current Balance in PV	***57,968***
BV Adjustment for BV/WKWD PV Delivery (Net)*	***17,997***
Additional Assets Balance (not including losses)	***33,333***
Total Effective Assets in PV	***109,298***
** Assumes 5 percent reduction when delivered*	
Total Assets including Western Non-PV	***191,792***

Table C-3
West Kern Water District Groundwater Recharge and Recovery Program
Accounting for 2005

August 15, 2007

		SWP Supply					Other Supplies - PV Adjustments					Balances			
		SWP Supply Recharged to PV	SWP Supply Recharged to PV Net Losses	SWP Supply Delivered to Others	La Paloma Delivery	SWP Account Balance	Other Recharge to PV	Other Recharge to PV Net Losses	Groundwater Exchange Net In	Groundwater Exchange Net Out	Wellfield Production	WKWD GW Balance	BV/WKWD PV Balance Loss not Incl	Other Assets Stored Balance Loss not Incl	WKWD Non-PV Balance
Beginning/Carryover Balance						30,952						57,968	-18,944		82,494
Well Production & La Poloma	Jan				212	30,740					1,160	56,808			
SWP via KWBA to PV	Jan	258	244			30,482						57,052			
Well Production & La Poloma	Feb				234	30,248					1,215	55,837			
SWP via KWBA to PV	Feb	385	362			29,863						56,199			
BV Recharge to PV	Feb					29,863	2,547	2,420				56,199	-16,397		
Well Production & La Poloma	Mar				196	29,667					1,436	54,763			
BV Recharge to PV	Mar					29,667	4,449	4,227				54,763	-11,948		
Well Production & La Poloma	Apr				209	29,458					1,715	53,048			
BV Recharge to PV	Apr					29,458	3,940	3,743				53,048	-8,008		
Well Production & La Poloma	May				227	29,231					1,632	51,416			
SWP via KWBA to PV	May	129	121			29,102						51,537			
BV Recharge to PV	May					29,102	3,570	3,392				51,537	-4,438		
Friant-Kern 215 to PV	May					29,102	1,908	1,813				53,350			
Well Production & La Poloma	Jun				149	28,953					2,030	51,320			
Starrh/City of Bakersfield	Jun					28,953	3,231	3,231				54,551			
BV Recharge to PV	Jun					28,953	4,923	4,677				54,066	485		
Prescriptive Right	Jun					28,953	3,000	3,000				57,066			
Well Production & La Poloma	Jul				423	28,530					2,445	54,621			
Starrh/City of Bakersfield	Jul					28,530	7,271	7,271				61,892			
BV Recharge to PV	Jul					28,530	3,649	3,467				61,892	4,134		
BV Water Purchase (KR water)	Jul					28,530	1,000	950				62,842			
Starrh/City of Bakersfield				5,000		23,530						62,842			
Well Production & La Poloma	Aug				482	23,048					2,510	60,332			
SWP via KWBA to PV	Aug	5,702	5,417			17,346						65,749			
BV Kern Recharge to PV	Aug					17,346	3,461	3,288				65,749	7,595		
Starrh Storage	Aug					17,346	2,230	2,230				67,979			
Well Production & La Poloma	Sep				421	16,925					2,094	65,885			
BV Kern Recharge to PV	Sep					16,925	3,406	3,236				65,885	11,001		
SWP via KWBA to PV	Sep	7,438	7,066			9,487						72,951			
Well Production & La Poloma	Oct				373	9,114					1,713	71,238			
BV Kern Recharge to PV	Oct					9,114	2,866	2,723				71,238	13,867		
SWP via KWBA to PV	Oct	5,207	4,947			3,907						76,185			
BV Kern Recharge to PV	Oct					3,907	966	918				76,185	14,833		
Well Production & La Poloma	Nov				250	3,657					1,721	74,464			
SWP via KWBA to PV	Nov	863	820			2,794						75,284			
Well Production & La Poloma	Dec				309	2,485					1,568	73,716			
SWP via KWBA to PV	Dec	686	652			1,799						74,368			
SWP via KWBA to PV	Dec	1,641	1,559			158						75,927			
Rosedale Rio Bravo Exchange														33,333	
Starrh Stored Water														-2,732	
2005 Totals		22,309	21,188	5,000	3,485	158	52,417	50,586	0	0	21,239	75,927	14,833	30,601	82,494

Notes:

90% Allocation	SWP	28,350	Table A					
		231	Carryover from 2004			15,640	15,495	
		1,632	Art 21					
		120	Pool A					
		619	Pool B					
		30,952	SWP Supply	Carryover into 2006	158			

WKWD Current Balance in PV	***75,927***
BV Adjustment for BV/WKWD PV Delivery (Net)*	***-14,091***
Additional Assets Balance (not including losses)	***30,601***
Total Effective Assets in PV	***92,437***
** Assumes 5 percent reduction when delivered*	
Total Assets including Western Non-PV	***174,931***

Table C-4
West Kern Water District Groundwater Recharge and Recovery Program

August 15, 2007

Accounting for 2006

		SWP Supply					Other Supplies - PV Adjustments					Balances			
		SWP Supply Recharged to PV	SWP Supply Recharged to PV Net Losses	SWP Supply Delivered to Others	La Paloma Delivery	SWP Account Balance	Other Recharge to PV	Other Recharge to PV Net Losses	Groundwater Exchange Net In	Groundwater Exchange Net Out	Wellfield Production	WKWD GW Balance	BV/WKWD PV Balance Loss not Incl	Other Assets Stored Balance Loss not Incl	WKWD Non-PV Balance
Beginning/Carryover Balance						34,769						75,927	14,833		82,494
Well Production & La Paloma	Jan				263	34,506					1,375	74,552			
SWP via KWBA to PV	Jan	510	485			33,996						75,037			
Friant-Kern 215 to PV	Jan					33,996	398	378				75,415			
Well Production & La Paloma	Feb				299	33,697					1,432	73,983			
SWP via KWBA to PV	Feb	1,385	1,316			32,312						75,299			
Well Production & La Paloma	Mar				281	32,031					1,491	73,808			
SWP via KWBA to PV	Mar	487	463			31,544						74,271			
Well Production & La Paloma	Apr				245	31,299					1,255	73,016			
SWP via KWBA to PV	Apr	26	25			31,273						73,041			
BV Kern Recharge to PV	Apr					31,273	3,501	3,326				73,041	18,334		
Well Production & La Paloma	May				266	31,007					1,989	71,052			
BV Kern Recharge to PV	May					31,007	2,813	2,672				71,052	21,147		
Well Production & La Paloma	Jun				288	30,719					2,202	68,850			
BV Kern Recharge to PV	Jun					30,719	2,075	1,971				68,850	23,222		
Prescriptive Right	Jun					30,719	3,000	3,000				71,850			
Well Production & La Paloma	Jul				484	30,235					2,592	69,258			
SWP via KWBA to PV	Jul	928	882			29,307						70,140			
BV Kern Recharge to PV	Jul					29,307	2,852	2,709				70,140	26,074		
Well Production & La Paloma	Aug				464	28,843					2,477	67,663			
SWP via KWBA to PV	Aug	906	861			27,937						68,524			
BV Kern Recharge to PV	Aug					27,937	1,807	1,717				68,524	27,881		
Well Production & La Paloma	Sep				437	27,500					2,294	66,230			
SWP via KWBA to PV	Sep	1,348	1,281			26,152						67,511			
BV Kern Recharge to PV	Sep					26,152	0	0				67,511	27,881		
Wheeler Ridge - Maricopa	Sep					26,152			20,000			87,511			
Well Production & La Paloma	Oct				459	25,693					1,977	85,534			
SWP via KWBA to PV	Oct	1,385	1,316			24,308						86,850			
Well Production & La Paloma	Nov				296	24,012					1,740	85,110			
SWP via KWBA to PV	Nov	1,268	1,205			22,744						86,315			
Belridge/Starrh Stored Water	Nov					22,744			3,708			90,023			
Well Production & La Paloma	Dec				287	22,457					1,633	88,390			
SWP via KWBA to PV	Dec	773	734			21,684						89,124			
North Kern (off-site)	Dec			21,500		184						89,124		16,125	
Rosedale Rio Bravo Exchange														33,333	
Starrh Stored Water														-6,440	
2006 Totals		9,016	8,568	21,500	4,069	184	16,446	15,773	23,708	0	22,457	89,124	27,881	43,018	82,494

Notes:

100% Allocation	SWP	31,500	Table A		
		158	Carryover from 2005		
		2,898	Art 21		
		213	Pool A		
			Pool B		
			Local Pools		
		34,769	SWP Supply	Carryover into 2007	184

WKWD Current Balance in PV	***89,124***
BV Adjustment for BV/WKWD PV Delivery (Net)*	***-26,487***
Additional Assets Balance (not including losses)	***43,018***
Total Effective Assets in PV	***105,655***
** Assumes 5 percent reduction when delivered*	
Total Assets including Western Non-PV	***188,149***

Table C-5
West Kern Water District Groundwater Recharge and Recovery Program
Accounting for 2007

revised 1/28/08

		SWP Supply					Other Supplies - PV Adjustments					Balances			
		SWP Supply Recharged to PV	SWP Supply Recharged to PV Net Losses	SWP Supply Delivered to Others	La Paloma Delivery	SWP Account Balance	Other Recharge to PV	Other Recharge to PV Net Losses	Groundwater Exchange Net In	Groundwater Exchange Net Out	Wellfield Production	WKWD GW Balance	BV/WKWD PV Balance Loss not Incl	Other Assets Stored Balance Loss not Incl	WKWD Non-PV Balance
Beginning/Carryover Balance						19,836						89,124	27,881		82,494
Well Production & La Paloma	Jan				300	19,536					1,654	87,470			
SWP via KWBA to PV	Jan	682	648			18,854						88,118			
BV Recharge to PV	Jan	0	0			18,854	0	0				88,118			
BV Exchange	Jan			0		18,854						88,118			
Well Production & La Paloma	Feb				292	18,562					1,155	86,963			
SWP via KWBA to PV	Feb	0	0			18,562						86,963			
BV Recharge to PV	Feb	0	0			18,562	0	0				86,963			
BV Exchange	Feb			0		18,562						86,963			
Well Production & La Paloma	Mar				337	18,225					1,755	85,208			
SWP via KWBA to PV	Mar	101	96			18,124						85,304			
BV Recharge to PV	Mar	0	0			18,124	0	0				85,304			
BV Exchange	Mar			0		18,124						85,304			
Well Production & La Paloma	Apr				320	17,804					1,750	83,554			
SWP via KWBA to PV	Apr	0	0			17,804						83,554			
BV Recharge to PV	Apr	0	0			17,804	0	0				83,554			
BV Exchange	Apr			0		17,804						83,554			
Well Production & La Paloma	May				346	17,458					2,161	81,393			
SWP via KWBA to PV	May	0	0			17,458						81,393			
BV Recharge to PV	May	0	0			17,458	0	0				81,393			
BV Exchange	May			0		17,458						81,393			
Well Production & La Paloma	Jun				359	17,099					2,285	79,108			
SWP via KWBA to PV	Jun	0	0			17,099						79,108			
BV Recharge to PV	Jun	0	0			17,099	241	229				79,108	28,122		
BV Exchange	Jun			3,000		14,099		2,850				81,958	25,122		
Prescriptive Right	Jun					14,099	3,000	3,000				84,958			
Well Production & La Paloma	Jul				413	13,686					2,434	82,524			
SWP via KWBA to PV	Jul	0	0			13,686						82,524			
BV Recharge to PV	Jul	0	0			13,686	0	0				82,524			
BV Exchange	Jul			3,000		10,686		2,850				85,374	22,122		
Well Production & La Paloma	Aug				443	10,243					2,429	82,945			
SWP via KWBA to PV	Aug	0	0			10,243						82,945			
BV Recharge to PV	Aug	0	0			10,243	0	0				82,945			
BV Exchange	Aug			2,500		7,743		2,375				85,320	19,622		
Well Production & La Paloma	Sep				444	7,299					2,133	83,187			
SWP via KWBA to PV	Sep	0	0			7,299						83,187			
Palmdale exchange	Sep			4,926		2,373						83,187			
BV Recharge to PV	Sep	0	0			2,373	0	0				83,187			
BV Exchange	Sep			0		2,373						83,187			
Well Production & La Paloma	Oct				419	1,954					1,809	81,378			
SWP via KWBA to PV	Oct	0	0			1,954						81,378			
BV Recharge to PV	Oct	0	0			1,954	0	0				81,378			
BV Exchange	Oct			0		1,954						81,378			
Well Production & La Paloma	Nov				395	1,559					1,584	79,794			
SWP via KWBA to PV	Nov	0	0			1,559						79,794			
BV Recharge to PV	Nov	0	0			1,559	0	0				79,794			
BV Exchange	Nov			0		1,559						79,794			
Well Production & La Paloma	Dec				380	1,179					1,463	78,331			
SWP via KWBA to PV	Dec	0	0			1,179						78,331			
BV Recharge to PV	Dec	0	0			1,179	0	0				78,331			
BV Exchange	Dec			0		1,179						78,331			
North-Kern														16,125	
Rosedale Rio Bravo Exchange														33,333	
Starrh Stored Water														-6,440	
WKWD/Palmdale Exchange														10,000	
2007 Totals		783	744	13,426	4,448	1,179	3,241	11,304	0	0	22,612	78,331	19,622	53,018	82,494

Notes:

60% Allocation	SWP	18,900	Table A		
		184	Carryover from 2006		
		599	Art 21		
		153	Pool A		
			Pool B		
		19,836	SWP Supply	Carryover into 2008	1,179

WKWD Current Balance in PV	***78,331***
BV Adjustment for BV/WKWD PV Delivery (Net)*	***-18,641***
Additional Assets Balance (not including losses)	***53,018***
Total Effective Assets in PV	***112,708***
** Assumes 5 percent reduction when delivered*	
Total Assets including Western Non-PV	***195,202***

Table C-6
West Kern Water District Groundwater Recharge Program
Accounting for 2008

		2008 SWP Supply						Other Supplies - PV Adjustments					Balances			
		SWP Supply Recharged to PV	SWP Supply Recharged to PV Net Losses	SWP Supply Delivered to Others	La Paloma Delivery	SWP Account Balance		Other Recharge to PV	Other Recharge to PV Net Losses	Groundwater Exchange Net In	Groundwater Exchange Net Out	Wellfield Production Delivery	WKWD GW PV Balance	BV/WKWD PV Balance Loss not Incl	Other Assets Stored Balance Loss not Incl	WKWD Non-PV Balance
Beginning/Carryover Balance						12,922							78,331	19,622		82,494
Well Production & La Paloma	Jan				314	12,608						1,457	76,874			
SWP via KWBA to PV	Jan	0	0			12,608							76,874			
BV Recharge to PV	Jan	0	0			12,608		0	0				76,874			
BV Exchange	Jan			0		12,608							76,874			
Well Production & La Paloma	Feb				308	12,300						1,324	75,550			
SWP Exchange with KWBA	Feb			600		11,700			564				76,114			
SWP via KWBA to PV	Feb	0	0			11,700							76,114			
BV Recharge to PV	Feb	0	0			11,700		0	0				76,114			
BV Exchange	Feb			0		11,700							76,114			
Well Production & La Paloma	Mar				228	11,472						1,696	74,418			
SWP via KWBA to PV	Mar	0	0			11,472							74,418			
BV Recharge to PV	Mar	0	0			11,472		0	0				74,418			
BV Exchange	Mar			0		11,472							74,418			
Well Production & La Paloma	Apr				414	11,058						1,822	72,596			
SWP Pool A Purchase	Apr					11,058		0	0				72,596			
SWP via KWBA to PV	Apr	0	0			11,058							72,596			
BV Recharge to PV	Apr	0	0			11,058		0	0				72,596			
BV Exchange	Apr			0		11,058							72,596			
Well Production & La Paloma	May				333	10,725						1,967	70,629			
KCWA Table A Purchase	May					10,725		0	0				70,629			
SWP via KWBA to PV	May	0	0			10,725		0					70,629			
BV Recharge to PV	May	0	0			10,725		68	65				70,629	19,690		
BV Exchange	May			0		10,725							70,629			
Well Production & La Paloma	Jun				322	10,403						2,230	68,399			
SWP via KWBA to PV	Jun	0	0			10,403							68,399			
BV Recharge to PV	Jun	0	0			10,403		31	29				68,399	19,721		
BV Exchange	Jun			0		10,403							68,399			
BV Replacement Purchase	Jun					10,403							68,399			6,175
Prescriptive Right	Jun					10,403		3,000	3,000				71,399			
Well Production & La Paloma	Jul				288	10,115	409					2,441	68,958			
Yuba Component Water Purch.	Jul				121	9,994							68,958			
SWP via KWBA to PV	Jul	0	0			9,994							68,958			
BV Recharge to PV	Jul	0	0			9,994		172	163				68,958	19,893		
BV Exchange	Jul			2,250		7,744			2,138				71,096	17,643		
Starrh Stored Water Returned	Jul			2,732		5,012							71,096			
Well Production & La Paloma	Aug				108	4,904	425					2,373	68,723			
Yuba Component Water Purch.	Aug				317	4,587							68,723			
SWP via KWBA to PV	Aug	0	0			4,587							68,723			
BV Recharge to PV	Aug	0	0			4,587		0	0				68,723			
BV Exchange	**Aug**			**0**		**4,587**							**68,723**			
Well Production & La Paloma	Sep				578	4,009	578					2,174	66,549			
Yuba Component Water Purch.	Sep				0	4,009							66,549			
SWP via KWBA to PV	Sep	0	0			4,009							66,549			
BV Recharge to PV	Sep	0	0			4,009		0	0				66,549			
ID4/WKWD 2006 Exchange	Sep		0			4,009			0	10,213			76,762			
BV Exchange	Sep			0		4,009							76,762			
Well Production & La Paloma	Oct				408	3,601						1,809	74,953			
SWP via KWBA to PV	Oct	0	0			3,601							74,953			
BV Recharge to PV	Oct	0	0			3,601		0	0				74,953			
BV Exchange	Oct			0		3,601							74,953			
Well Production & La Paloma	Nov				453	3,148						1,239	73,714			
SWP via KWBA to PV	Nov	0	0			3,148							73,714			
BV Recharge to PV	Nov	0	0			3,148		0	0				73,714			
BV Exchange	Nov			0		3,148							73,714			
Return water from Inergy	Nov	0	0			3,148		47	45				73,759			
Well Production & La Paloma	Dec				322	2,826						1,256	72,503			
SWP via KWBA to PV	Dec	0	0			2,826							72,503			
BV Recharge to PV	Dec	0	0			2,826		0	0				72,503			
ID4/Belridge Transfer (KR water)	Dec			0		2,826				3,708			76,211			
North-Kern															5,375	
Rosedale Rio Bravo Exchange															33,333	
Starrh Stored Water															-3,708	
WKWD/Palmdale Exchange															10,000	
2008 Totals		0	0	5,582	4,514	**2,826**		3,318	6,004	13,921	0	**21,788**	**76,211**	17,643	45,000	88,669

Notes:
35% Allocation SWP

11,025	Table A	
1,179	SWP Carryover from 2007	
2	Westlands Mitigation Water	
29	Pool A	
138	Kern Tulare Rag Gulch Purchase	
121	Yuba C2 Purchase	
317	Yuba C3 & C4 Purchase	
111	KCWA Table A Purchase	
12,922	Total Supply	Carryover into 2009 2,826

271 26,302

WKWD Current Balance in PV	**76,211**
BV Adjustment for BV/WKWD PV Delivery (Net)*	**-16,761**
Additional Assets Balance (not including losses)	**45,000**
Total Effective Assets	**104,450**
* Assumes 5 percent reduction when delivered	
Total Assets including WKWD Non-PV	**193,119**

Table C-7
West Kern Water District Groundwater Recharge Program
Accounting for 2009

		SWP Supply					Other Supplies - PV Adjustments					Balances			
		SWP Supply Recharged to PV	SWP Supply Recharged to PV Net Losses	SWP Supply Delivered to Others	La Paloma Delivery	SWP Account Balance	Other Recharge to PV	Other Recharge to PV Net Losses	Groundwater Exchange Net In	Groundwater Exchange Net Out	Wellfield Production	WKWD GW PV Balance	BV/WKWD PV Balance Loss not Incl	Other Assets Stored Balance Loss not Incl	**WKWD Non-PV Balance**
Beginning/Carryover Balance						16,945						76,211	17,643		88,669
Well Production & La Paloma	Jan				297	16,648					1,232	74,979			
SWP via KWBA to PV	Jan	0	0			16,648						74,979			
BV Recharge to PV	Jan	0	0			16,648	0	0				74,979			
BV Exchange	Jan			0		16,648						74,979			
Well Production & La Paloma	Feb				309	16,339					1,112	73,867			
SWP via KWBA to PV	Feb	0	0			16,339						73,867			
BV Recharge to PV	Feb	0	0			16,339	0	0				73,867			
BV Exchange	Feb			0		16,339						73,867			
Well Production & La Paloma	Mar				408	15,931					1,699	72,168			
SWP via KWBA to PV	**Mar**	**0**	**0**			**15,931**						**72,168**			
BV Recharge to PV	Mar	0	0			15,931	0	0				72,168			
BV Exchange	Mar			0		15,931						72,168			
Well Production & La Paloma	Apr				310	15,621					1,573	70,595			
SWP via KWBA to PV	Apr	0	0			15,621						70,595			
BV Recharge to PV	Apr	0	0			15,621	0	0				70,595			
BV Exchange	Apr			0		15,621						70,595			
Well Production & La Paloma	May				309	15,312					2,065	68,530			
SWP via KWBA to PV	May	0	0			15,312						68,530			
WKWD Purchase of COB water	May					15,312	28	27				68,557			
BV Recharge to PV	May	0	0			15,312	0	0				68,557			
BV Exchange	May			0		15,312						68,557			
Well Production & La Paloma	Jun				263	15,049					2,105	66,452			
SWP via KWBA to PV	Jun	0	0			15,049						66,452			
BV Recharge to PV	Jun	0	0			15,049	1,349	1,282				66,452	18,992		
BV Exchange	Jun			0		15,049						66,452			
Prescriptive Right	Jun					15,049		3,000			0	69,452			
Well Production & La Paloma	Jul				557	14,492					2,618	66,834			
SWP via KWBA to PV	Jul	0	0			14,492						66,834			
BV Replacement Purchase	Jul					14,492						66,834			6,175
BV Recharge to PV	Jul	0	0			14,492	972	923				66,834	19,964		
BV Exchange	Jul			0		14,492						66,834			
Well Production & La Paloma	Aug				564	13,928					2,559	64,275			
SWP via KWBA to PV	Aug	0	0			13,928						64,275			
WKWD Purchase of BV KR water	Aug					13,928	3,000	2,850				67,125			
WKWD Purchase of KDWSD wtr	Aug					13,928	2,000	1,900				69,025			
BV Recharge to PV	Aug	0	0			13,928	0	0				69,025			
BV Exchange	Aug			3,500		10,428		3,325				72,350	16,464		
SWP Exchange with KWBA	Aug			2,600		7,828			2,444			74,794			
Belridge/Starrh return water	Aug			2,800		5,028						74,794			
Well Production & La Paloma	Sep				522	4,506					2,354	72,440			
SWP via KWBA to PV	Sep	0	0			4,506						72,440			
BV Recharge to PV	**Sep**	**0**	**0**			**4,506**	**0**	**0**				**72,440**			
BV Exchange	Sep			0		4,506						72,440			
Well Production & La Paloma	Oct				433	4,073					1,930	70,510			
SWP via KWBA to PV	Oct	0	0			4,073						70,510			
BV Recharge to PV	Oct	0	0			4,073	0	0				70,510			
BV Exchange	Oct			0		4,073						70,510			
WKWD purchase of BV In Place	Oct					4,073	1,053	1,000				71,510	15,411		
NKWSD return of 2006 SWP	Oct					4,073	4,000	3,800				75,310			
Rosedale 2004 Exchange return	Oct					4,073	1,000	950				76,260			
Well Production & La Paloma	Nov				443	3,630					1,273	74,987			
SWP via KWBA to PV	Nov	0	0			3,630						74,987			
BV Recharge to PV	Nov	0	0			3,630	0	0				74,987			
BV Exchange	Nov			0		3,630						74,987			
Well Production & La Paloma	Dec				423	3,207					1,220	73,767			
SWP via KWBA to PV	Dec	0	0			3,207						73,767			
BV Recharge to PV	Dec	0	0			3,207	0	0				73,767			
BV Exchange	Dec			0		3,207						73,767			
North-Kern														1,375	
Rosedale Rio Bravo Exchange														32,333	
Starrh Stored Water														-908	
WKWD/Palmdale Exchange														10,000	
2009 Totals		0	0	8,900	4,838	3,207	13,402	19,057	2,444	0	21,740	73,767	15,411	42,800	94,844

Notes:

SWP Allocation	40%	12,600	Table A		
		2,826	Carryover from 2008		
		1,375	NK 2006 return water delivered to Aqueduct		
		7	Pool A	$28/AF	$196
		11	Pool B	KCWA will not bill until 12/09	
		126	KCWA 2009 Table A purchase	$190/AF $23940	
		16,945	SWP Supply	Current Carryover into 2010	3,207

10,028

WKWD Current Balance in PV	***73,767***
BV Adjustment for BV/WKWD PV Delivery (Net)*	***-14,640***
Additional Assets Balance (not including losses)	***42,800***
Total Effective Assets in PV	***101,926***
** Assumes 5 percent reduction when delivered*	
Total Assets including WKWD Non-PV	**196,770**

Table C-8
West Kern Water District Groundwater Recharge Program
Accounting for 2010

			SWP Supply					Other Supplies - PV Adjustments					Balances			
			SWP Supply Recharged to PV	SWP Supply Recharged to PV Net Losses	SWP Supply Delivered to Others	La Paloma Delivery	SWP Account Balance	Other Recharge to PV	Other Recharge to PV Net Losses	Groundwater Exchange Net In	Groundwater Exchange Net Out	Wellfield Production	WKWD GW PV Balance South Well Field	BV/WKWD PV Balance Loss not Incl	Other Assets Stored Balance Loss not Incl	**WKWD Non-PV North Well Field**
Beginning/Carryover Balance							19,062						73,767	15,411		94,844
Well Production & La Paloma	Jan					283	18,779					1,119	72,648			
SWP via KWBA to PV	Jan		0	0			18,779						72,648			
BV Recharge to PV	Jan		0	0			18,779	0	0				72,648			
BV Exchange	Jan				0		18,779						72,648			
Well Production & La Paloma	Feb					380	18,399					976	71,672			
SWP via KWBA to PV	Feb		0	0			18,399						71,672			
BV Recharge to PV	Feb		0	0			18,399	0	0				71,672			
BV Exchange	Feb				0		18,399						71,672			
Well Production & La Paloma	Mar					356	18,043					1,172	70,500			
SWP via KWBA to PV	Mar		0	0			18,043						70,500			
BV Recharge to PV	Mar		0	0			18,043	0	0				70,500			
BV Exchange	Mar				0		18,043						70,500			
Well Production & La Paloma	Apr					444	17,599					1,243	69,257			
SWP via KWBA to PV	Apr		0	0			17,599						69,257			
BV Recharge to PV	Apr		0	0			17,599	0	0				69,257			
BV Exchange	Apr				0		17,599						69,257			
Well Production & La Paloma	May					145	17,454					1,391	67,866			
SWP via KWBA to PV	May		0	0			17,454						67,866			
	May						17,454	0	0				67,866			
BV Recharge to PV	May		0	0			17,454	0	0				67,866			
BV Exchange	May				0		17,454						67,866			
Rosedale 2004 Exchange return	May						17,454	700	665				68,531			
Well Production & La Paloma	Jun					45	17,409					1,200	67,331			
SWP via KWBA to PV	Jun		700	665			16,709						67,996			
BV Recharge to PV	Jun		0	0			16,709	0	0				67,996			
BV Exchange	Jun			0	6,000		10,709		5,700				73,696	9,411		
WKWD Purchase of KDWSD wtr	Jun						10,709	2,000	1,900				75,596			
Rosedale 2004 Exchange return	Jun						10,709	400	380				75,976			
Prescriptive Right	Jun						10,709	3,000	3,000			0	78,976			
Well Production & La Paloma	Jul					428	10,281					2,402	76,574			
SWP via KWBA to PV	Jul		0	0			10,281						76,574			
Belridge/Starrh return water	Jul				908		9,373						76,574			
WK purchase of Tehachapi wtr	Jul						9,373	2,000	1,900				78,474			
BV Recharge to PV	Jul		0	0			9,373	0	0				78,474			
BV Exchange	Jul				3,000		6,373		2,850				81,324	6,411		
Well Production & La Paloma	Aug					0	6,373					0	81,324			
SWP via KWBA to PV	Aug		0	0			6,373						81,324			
	Aug						6,373	0	0				81,324			
	Aug						6,373	0	0				81,324			
BV Recharge to PV	Aug		0	0			6,373	0	0				81,324			
BV Exchange	Aug				0		6,373						81,324			
SWP Exchange with KWBA	Aug				0		6,373			0			81,324			
	Aug				0		6,373						81,324			
Well Production & La Paloma	Sep					0	6,373					0	81,324			
SWP via KWBA to PV	Sep		0	0			6,373						81,324			
BV Recharge to PV	Sep		0	0			6,373	0	0				81,324			
BV Exchange	Sep				0		6,373						81,324			
Well Production & La Paloma	Oct					0	6,373					0	81,324			
SWP via KWBA to PV	Oct		0	0			6,373						81,324			
BV Recharge to PV	Oct		0	0			6,373	0	0				81,324			
BV Exchange	Oct				0		6,373						81,324			
	Oct						6,373			0	0		81,324			
	Oct						6,373	0	0				81,324			
Rosedale 2004 Exchange return	Oct						6,373	0					81,324			
Well Production & La Paloma	Nov					0	6,373					0	81,324			
SWP via KWBA to PV	Nov		0	0			6,373						81,324			
BV Recharge to PV	Nov		0	0			6,373	0	0				81,324			
BV Exchange	Nov				0		6,373						81,324			
Well Production & La Paloma	Dec					0	6,373					0	81,324			
SWP via KWBA to PV	Dec		0	0			6,373						81,324			
BV Recharge to PV	Dec		0	0			6,373	0	0				81,324			
BV Exchange	Dec				0		6,373						81,324			
North-Kern															1,375	
Rosedale Rio Bravo Exchange															31,233	
Starrh Stored Water															0	
WKWD/Palmdale Exchange															10,000	
2009 Totals			700	665	9,908	2,081	6,373	8,100	16,395	0	0	9,503	81,324	6,411	42,608	94,844

Total water available within North and South Well Fields		***176,168***
WKWD Current Balance in South Well Field		***81,324***
BV Adjustment for BV/WKWD PV Delivery (Net)*		***-6,090***
Additional Assets Balance (not including losses)		***42,608***
Total Effective Assets in PV		***117,841***
** Assumes 5 percent reduction when delivered*		
Total Assets		**212,685**

Notes:

SWP Allocation	50%	15,750	Table A
		3,207	Carryover from 2009 to 2010
		11	Pool A
		94	Pool B
		0	KCWA 2009 Table A purchase
		19,062	SWP Supply

Current Carryover into 2011 6,373

BUENA VISTA WATER STORAGE DISTRICT
PROJECT #202 EXCHANGE
WEST KERN WD ACCOUNT

	BVWSD DELIVERIES TO WKPV							WK DELIVERIES TO BVWSD	
PERIOD	RIVER AREA			MAIN CANAL AREA			TOTAL	BVWSD SERVICE AREA	BALANCE
	BYPASS	RIVER	SUBTOTAL	MAIN	KWB	SUBTOTAL			
	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)	(AF)
2003	0	181	181	342	0	342	523	(9467)	(8,944)
2004	0	0	0	0	0	0	0	(10000)	(18,944)
2005	16,711	6,059	22,770	1,227	9,780	11,007	33,777	0	14,833
2006	4,796	5,704	10,500	1,647	901	2,548	13,048	0	27,881
2007	0	67	67	174	0	174	241	(8500)	19,622
2008	0	84	84	187	0	187	271	(2250)	17,643
2009	0	35	35	2,286	0	2,286	2,321	(4553)	15,411

Notes"
9/2009 West Kern purchased 1053 AF from BV "bank ahead" account
Water Enters BV Balance when it was delivered to WKWD