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BULLETIN No. 130-66

HYDROLOGIC DATA: 1966

Volume III: CENTRAL COASTAL AREA

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Director
Department of Water Resources

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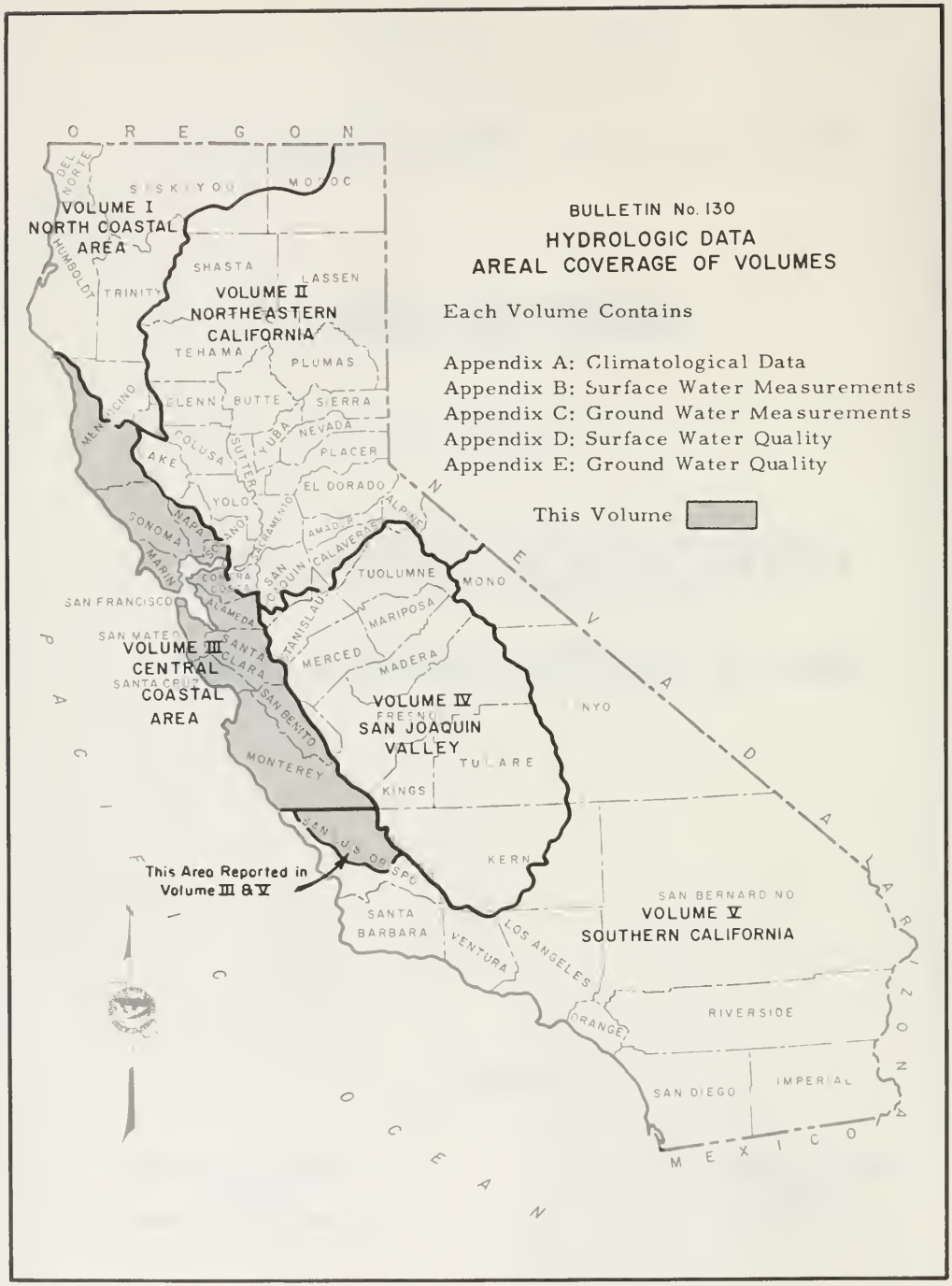
BULLETIN No. 130
HYDROLOGIC DATA
AREAL COVERAGE OF VOLUMES
Each Volume Contains
Appendix A: Climatological Data
Appendix B: Surface Water Measurements
Appendix C: Ground Water Measurements
Appendix D: Surface Water Quality
Appendix E: Ground Water Quality
This Volume
OREGON
NEVADA
ARIZONA
MEXICO
PACIFIC OCEAN
VOLUME I
NORTH COASTAL
AREA
VOLUME II
NORTHEASTERN
CALIFORNIA
VOLUME III
CENTRAL
COASTAL
AREA
VOLUME IV
SAN JOAQUIN
VALLEY
VOLUME V
SOUTHERN CALIFORNIA
This Area Reported in
Volume III & V
DEL NORTE
HUMBOLDT
TRINITY
SISKIYOU
MODOC
SHASTA
LASSEN
TEHAMA
PLUMAS
GLENN
BUTTE
SIERRA
MENDOCINO
COLUSA
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AMADOR
ALPINE
MARIN
CONTRA COSTA
SAN JOAQUIN
CALAVERAS
TUOLUMNE
MONO
SAN FRANCISCO
ALAMEDA
STANISLAUS
MARIPOSA
SAN MATEO
SANTA CLARA
MERCED
MADERA
SANTA CRUZ
SAN BENITO
FRESNO
NYO
MONTEREY
TULARE
KINGS
SAN LUIS OBISPO
KERN
SANTA BARBARA
VENTURA
LOS ANGELES
SAN BERNARDINO
ORANGE
RIVERSIDE
SAN DIEGO
IMPERIAL

FOREWORD

The data collection programs of the Department of Water Resources have been designed to supplement the activities of other agencies to satisfy specific needs of the State. Bulletin No. 130-66 presents useful, comprehensive, accurate, and timely hydrologic data which are prerequisites for effective planning, design, construction, and operation of water facilities.

The Bulletin No. 130 series is published annually in five volumes. Each volume presents hydrologic data for one of five reporting areas of the State. These areas are delineated on the map to the left.

William R. Gianelli

William R. Gianelli, Director
Department of Water Resources
State of California
March 29, 1968

METRIC CONVERSION TABLE

ENGLISH UNIT	EQUIVALENT METRIC UNIT
Inch (in)	2.54 Centimeters
Foot (ft)	0.3048 Meter
Mile (mi)	1.609 Kilometers
Acre	0.405 Hectare
Square mile (sq. mi.)	2.590 Square kilometer
U. S. gallon (gal)	3.785 Liters
Acre foot (acre-ft)	1,233.5 Cubic meters
U. S. gallon per minute (gpm)	0.0631 Liters per second
Cubic feet per second (cfs)	1.7 Cubic meters per minute
1 part per million (ppm)	1 milligram per liter (mg/l)
1 part per billion (ppb)	1 microgram per liter (ug/l)
1 part per trillion (ppt)	1 nanogram per liter (ng/l)
1 equivalent per million (epm)	1 milliequivalent per liter (me/l)

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2	Ground Water Basins or Units in the Central Coastal Area, 1966.
3	Surface Water Stations in the Central Coastal Area, 1966.

State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

RONALD REAGAN, Governor, State of California
WILLIAM R. GIANELLI, Director, Department of Water Resources
JOHN R. TEERINK, Deputy Director

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Data Coordination Branch

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Federal

United States Army Corps of Engineers

United States Army, Post Engineer, Fort Ord

United States Bureau of Reclamation

United States Coast Guard

United States Geological Survey

United States Soil Conservation Service

United States Weather Bureau

State

California Department of Public Health

California Department of Veterans Affairs

California Division of Highways

California Division of Forestry

University of California, Agricultural Extension Service

Local

Alameda County Flood Control and Water Conservation District

Alameda County Water District

Marin County

Mendocino County

Monterey County Flood Control and Water Conservation District

Napa County

San Benito County

San Luis Obispo County Flood Control and Water Conservation District

Santa Clara County Flood Control and Water District

Santa Clara Valley Water Conservation District

Santa Cruz County, Department of Public Works

Solano Irrigation District

Sonoma County Flood Control and Water Conservation District

South Santa Clara Valley Water Conservation District

ABSTRACT

Tables show data on climate, surface water flow, ground water levels, and surface and ground water quality in the Central Coastal Area during the 1965-66 water year. Figures show fluctuation of water levels in wells, specific conductance at five stations, and status of sea water intrusion in the Santa Clara Valley East Bay area. Plates show location of climatological stations, ground water basins or units, and surface water measurement and quality stations.

Appendix A

CLIMATOLOGICAL DATA

INTRODUCTION

This appendix is a summary of monthly precipitation, temperature, wind movement, and evaporation data for the Central Coastal Area from July 1, 1965 to September 30, 1966. Eighteen cooperating agencies and twenty-three local observers supplied the data. More detailed daily and hourly data for some of the stations are available in the files of the Department of Water Resources.

To insure accuracy, stations are inspected regularly to see that equipment is properly maintained and that, generally, observations are taken in accordance with U. S. Weather Bureau standards.

Each station for which data has been included in this appendix has been assigned an identification number. The first two digits denote the drainage basin; the remaining digits denote the alphabetical sequence of the station. The drainage basin designations are as follows:

Central Coastal Area	San Francisco Bay Area	North Coastal Area
D0 Santa Cruz Coast	E0 San Francisco Bay Area	F8 Mendocino Coast
D1 Pajaro-San Benito Rivers	E1 Coast-Marin	F9 Russian River
D2 Lower Salinas River	E2 Marin-Sonoma	
D3 Upper Salinas River	E3 Napa-Solano	
D4 Monterey Coast	E4 East Bay	
	E5 Alameda Creek	
	E6 Santa Clara Valley	
	E7 Bayside-San Mateo	
	E8 Coast-San Mateo	

Index of Climatological Stations

An explanation of the column headings and the code symbols used in connection with the climatological station listing follows:

<u>40-Acre Tract</u> - This denotes the location of the station within the section in which it is located. The letter code is derived from this diagram.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

<u>Base and Meridian</u> - The code for this column is as follows:

M - Mount Diablo Base and Meridian

<u>Cooperator Number</u> - This number is assigned from the following list:

000 Private Cooperator
403 Sonoma County Flood Control and Water Conservation District
407 San Benito County
411 Marin County
413 Marin Municipal Water District
414 Santa Clara Valley Water Conservation District
418 Vallejo Water Department
426 Santa Clara County Flood Control and Water District
801 Pomology Department, U. C. Davis
804 State Department of Beaches and Parks
806 State Department of Water Resources
808 State Division of Forestry
809 State Division of Highways
900 U. S. Weather Bureau
901 Corps of Engineers, San Francisco District
907 State Climatologist (unpublished USWB)
909 U. S. Soil Conservation Service

<u>Cooperator's Index Number</u> - This indicates the number assigned to the station by the agency responsible for, or handling, the records of the station.

<u>County</u> - The code for counties included in the index of climatological stations is as follows:

Alameda	60	San Francisco	80
Contra Costa	07	San Luis Obispo	40
Marin	21	San Mateo	41
Mendocino	23	Santa Clara	43
Monterey	27	Santa Cruz	44
Napa	28	Solano	48
San Benito	35	Sonoma	49

TABLE A-1

INDEX OF CLIMATOLOGICAL STATIONS FOR 1965-66

CENTRAL COASTAL AREA

Station Number	Station Name	Elevation (in Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude °	Latitude '	Latitude "	Longitude °	Longitude '	Longitude "	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
E6 0053	ALAMITOS PERC POND	185						37	15	18	121	52	18	414		1959			43
E4 0064	ALAMO 1 N	410						37	52		122	02		900		1957			07
E6 0125	ALMADEN RESERVOIR	640	SEC 11	T09S	R01E	E	M	37	10	00	121	50	00	414		1936			43
F9 0135	ALPINE DAM	680		T01N	R07W		M	37	56	30	122	38	18	413		1925			21
E3 0212	ANGWIN P U C	1815	SEC 05	T08N	R05W		M	38	34	18	122	26	12	900		1939			28
D2 0322	ARROYO SECO	800	SEC 36	T19S	R04E		M	36	14	00	121	29	00	900		1931			27
D3 0360-01	ATASCADERO MAINT STA	940	SEC 26	T28S	R12E	R	M	35	27	30	120	38	24	809	L145	1948			40
E3 0372	ATLAS ROAD	1735	SEC 25	T07N	R04W		M	38	25	00	122	15	00	900		1940			28
D0 0674	BEN LOMOND	504	SEC 09	T10S	R02W		M	37	05	00	122	06	00	900		1937	1965		44
D0 0676	BEN LOMOND #2	375	SEC 04	T10S	R02W		M	37	06	00	122	05	00	900		1965			44
E4 0693	BERKELEY	299		T01S	R03W		M	37	52	00	122	15	00	900		1887			60
D4 0790	BIG SUR STATE PARK	240	SEC 30	T19S	R02E		M	36	15	00	121	47	00	900		1914			27
E6 0850	BLACK MTN 2 SW	2331	SEC 36	T07S	R03W		M	37	18	00	122	10	00	900		1943			43
F9 0876	BLAKES LANDING	40	SEC 13	T04N	R10W		M	38	11	42	122	55	00	000		1956			21
F9 0969	BON TEMPE DAM	723	SEC 11	T01N	R07W		M	37	57	24	122	36	36	413		1958			21
F8 0973	BOONVILLE HMS	340	SEC 02	T13N	R14W	F	M	39	00	54	123	22	18	900	PN0971	1936			23
F8 0973-02	BOONVILLE FARRER	395		T13N	R14W		M	39	00	48	123	22	12	901		1951			23
D0 1005	BOULDER CK LOCATELLI	2180	SEC 16	T09S	R03W		M	37	09	00	122	12	00	900		1943			44
D3 1034	BRADLEY	540	SEC 08	T24S	R11E		M	35	52		120	48		900		1946			27
D3 1142	BRYSON	925	SEC 34	T24S	R08E		M	35	48	00	121	05	00	900		1946			27
D1 1170	BUENA VISTA	1640	SEC 27	T13S	R07E	R	M	36	46	00	121	11	00	900		1932			35
E7 1206	BURLINGAME	10		T04S	R05W		M	37	35	00	122	21	00	900		1946			41
E4 1216	BURTON RANCH	530	SEC 09	T01S	R02W		M	37	52	00	122	05	00	900		1955			07
D1 1247	BUZZARD LAGOON	1275	SEC 26	T10S	R01E	M	M	37	02	00	121	50	00	000		1959			44
E5 1281	CALAVERAS RESERVOIR	805	SEC 24	T05S	R01E		M	37	29	12	121	49	06	900		1874			60
E6 1285	CALERO RESERVOIR	500	SEC 04	T09S	R02E	E	M	37	10	48	121	45	48	414		1958			43
E3 1312	CALISTOGA	365	SEC 36	T09N	R07W		M	38	35	00	122	35	00	900		1873			28
E6 1341-10	CAMBRIAN PARK						M	37	15	12	121	55	24	426					43
E6 1377-01	CAMPBELL WATER CO	192	SEC 35	T01S	R01W	C	M	37	17	00	121	57	00	000		1897		09	43
D4 1534	CARMEL VALLEY	425		T17S	R02E		M	36	29	00	121	44	00	900		1957			27
E3 1537	CARNEROS VALLEY	300	SEC 13	T05N	R05W		M	38	17	00	122	21	30	901		1931			28
F9 1602	CAZADERO	1040	SEC 13	T08N	R12W		M	38	32	00	123	07	00	900		1939			49
D1 1739	CHITTENDEN PASS	125	SEC 12	T12S	R03E		M	36	54	00	121	36	00	900		1945			35
D1 1739-01	CHITTENDEN	104	SEC 11	T12S	R03E	K	M	36	54	08	121	36	17	909		1960			44
D3 1743	CHOLAME HATCH RANCH	1975	SEC 12	T26S	R16E		M	35	41	00	120	12	00	900		1925			40
D1 1766	CIENEGA	900	SEC 18	T14S	R06E	B	M	36	42	54	121	20	48	407		1950			35
F9 1838	CLOVERDALE 3 SSE	320	SEC 29	T11N	R10W		M	38	46	00	122	59	00	900		1950			49
F9 1840	CLOVERDALE 11 W	1820	SEC 17	T11N	R12W		M	38	46	00	123	13	00	900		1939			49
E3 1919	COLLINSVILLE	34	SEC 22	T03N	R01E	F	M	38	05	26	121	51	17	000		1947			48
E4 1962	CONCORD 3 E	200		T01N	R01W		M	37	58	00	121	59	00	900		1954			07
D0 2048	CORRALITOS	260						36	59		121	48		900		1958			43
F9 2105	COYOTE DAM	720	SEC 34	T16N	R12W		M	39	11	00	123	11	00	901		1960			23
E6 2109	COYOTE RESERVOIR	800	SEC 09	T10S	R04E	C	M	37	05	06	121	32	24	414		1938			43
D0 2159	CREST RANCH	2640					M	37	05	06	122	08	00	000		1948			44
E4 2177	CROCKETT	12	SEC 32	T03N	R03W		M	38	02	00	122	13	00	900		1918			07
D0 2290	DAVENPORT	273	SEC 32	T10S	R03W	Q	M	37	01		122	12		900		1910			44
D2 2362	DEL MONTE	46		T15S	R01E		M	36	36	00	121	52	00	900		1911			27
E3 2399-48	DENVERTON 1 S	22	SEC 08	T04N	R01E	F	M	38	12	23	121	53	28	000		1950			48
E3 2580	DUTTONS LANDING	20						38	12	00	122	18	00	900		1955			28
E6 2919	EVERGREEN	340	SEC 20	T07S	R02E	G	M	37	19	00	122	02	00	000		1942	1965		43
E3 2933	FAIRFIELD	15	SEC 25	T05N	R02W		M	38	15	00	122	03	00	900		1940			48
E3 2934	FAIRFIELD POLICE STA	19	SEC 26	T05N	R02W		M	38	15	00	122	03	00	900		1951			48
F8 3161	FORT BRAGG	80	SEC 07	T18N	R17W		M	39	27	00	123	48	00	900		1895			23
F8 3164	FORT BRAGG AVIATION	61						39	24	00	123	49	00	900		1940			23
F8 3191	FORT ROSS	116	SEC 30	T08N	R12W	D	M	38	31		123	15		900		1874			49
D1 3232	FREEDOM 8 NNW	1495	SEC 24	T10S	R01E		M	37	03	00	121	49	00	900		1952			44
D1 3238	FREMONT PEAK	2500						36	45	36	121	29	54	000		1950			35
E5 3387	GERBER RCH	2140	SEC 36	T06S	R04E	P	M	37	22	00	121	29	12	900		1912			43
F9 3395-07	GEYSERVILLE HOCKING	200	SEC 18	T10N	R09W	J	M	38	43	00	122	53	30	806		1965			49
D1 3417	GILROY	194	SEC 06	T11S	R04E		M	37	00	00	121	34	00	900		1957			43
D1 3419	GILROY 8 NE	1050	SEC 28	T10S	R05E		M	37	02	00	121	26	00	900		1942			43
D1 3422	GILROY 14 ENE	1350	SEC 05	T10S	R06E		M	37	06	00	121	20	00	900		1940			43
D2 3502	GONZALES 9 ENE	2350	SEC 15	T16S	R06E		M	36	33	00	121	18	00	900		1943			35
F9 3577	GRATON	200	SEC 21	T07N	R09W		M	38	25	54	122	51	48	000		1928			49
F9 3578	GRATON 1 W	210		T07N	R09W		M	38	26	00	122	53	00	900		1896			49
D2 3591	GREENFIELD BAKER	280					M	36	19	24	121	14	36	901					27
E3 3612-01	GREEN VALLEY	414	SEC 03	T05N	R03W		M	38	17	00	122	10	00	418		1893		18	48
E6 3681	GUADALUPE RESERVOIR	450	SEC 29	T08S	R01E	Q	M	37	12	00	121	53	00	414		1936			43
F9 3683	GUERNEVILLE	115	SEC 25	T08N	R10W		M	38	30	00	123	00	00	900		1939			49
E8 3714	HALF MOON BAY 2 NNW	60	SEC 19	T05S	R05W		M	37	29	00	122	27	00	900		1939	1965		41

TABLE A-1

INDEX OF CLIMATOLOGICAL STATIONS FOR 1965-66

CENTRAL COASTAL AREA

Station Number	Station Name	Elevation (in Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude °	Latitude '	Latitude "	Longitude °	Longitude '	Longitude "	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
E8 3714	HALF MOON BAY	60	SEC 29	T05S	R05W		M	37	28	00	122	26	00	900		1965			41
D3 3722	HAMES VALLEY	725	SEC 32	T23S	R10E											1963			27
E4 3863	HAYWARD 6 ESE	925	SEC 28	T03S	R01W		M	37	39	00	121	58	00	900		1940			60
F9 3875	HEALDSBURG	101	SEC 19	T09N	R09W		M	38	37		122	50		900		1877			49
F9 3878	HEALDSBURG 2E	102		T09N	R09W		M	38	37		122	50		900		1943			49
D1 3925	HERNANDEZ 2 NW	2160	SEC 29	T17S	R10E		M	36	25	00	120	55	00	900		1940			35
D1 3928	HERNANDEZ 7 SE	2765	SEC 06	T19S	R12E		M	36	18	00	120	42	00	900		1940			35
D1 4022	HOLLISTER	285		T12S	R05E		M	36	51	00	121	24	00	900		1874			35
D1 4022-10	HOLLISTER COSTA	170	SEC 32	T11S	R05E		M	36	55	15	121	26	46	806		1962	1965		35
D1 4025	HOLLISTER 2	284		T12S	R05E		M	36	51	00	121	24	00	900		1938			35
D1 4027	HOLLISTER MOURA		SEC 32	T11S	R05E	H	M	36	56	00	121	27	00	806		1965	1966		35
D1 4035	HOLLISTER 10 ENE	3000	SEC 05	T12S	R07E		M	36	55	00	121	14	00	900					35
F9 4100	HOPLAND LARGO STA	550		T13N	R12W		M	39	01	00	123	07	00	900		1948			23
F9 4277	INVERNESS MERY	150						38	05	24	122	51	06	000		1951			21
F9 4480	KELLOGG	1800	SEC 09	T09N	R07W		M	38	40	00	122	40	00	900		1936			49
E2 4500	KENTFIELD	50					M	37	57	00	122	33	00	900		1888			21
F9 4502	KENT LAKE	360		T02N	R08W		M	37	59	54	122	42	30	413		1954			21
D2 4555	KING CITY	320	SEC 18	T20S	R08E		M	36	12	00	121	08	00	900		1887			27
F9 4593	KNIGHTS VALLEY	480	SEC 18	T09N	R07W		M	38	37	00	122	40	00	900		1964			49
E4 4633	LAFAYETTE 2 NNE	540					M	37	55	00	122	06	00	900		1956			07
F9 4652	LAGUNITAS LAKE	785		T01N	R07W		M	37	56	48	122	35	42	413		1881			21
E8 4660	LA HONDA	670	SEC 14	T07S	R04W		M	37	19	00	122	16	00	900		1950			41
E3 4677	LAKE CURRY	396	SEC 19	T06N	R02W		M	38	21	18	122	07	18	418		1926		09	28
D3 4767	LA PANZA RANCH	1550	SEC 20	T29S	R17E		M	35	23	00	120	10	00	900		1948			40
E6 4916	LEROY ANDERSON DAM	700	SEC 10	T09S	R03E	K	M	37	09	48	121	37	48	414		1950			43
E6 4922	LEXINGTON RESERVOIR	700	SEC 05	T09S	R01W	J	M	37	10	36	121	59	18	414		1951			43
D3 4963	LINN RANCH	870	SEC 07	T26S	R12E	F	M	35	41	06	120	43	24	000		1925			40
E5 4996	LIVERMORE SEWAGE PLT	405	SEC 12	T03S	R01E	A	M	37	41	28	121	48	20	000		1961			60
E5 4997	LIVERMORE 2 SSW	545	SEC 20	T03S	R02E		M	37	39	00	121	47	00	900		1871			60
D3 5017	LOCKWOOD 2 N	1104	SEC 34	T22S	R08E		M	35	58	00	121	05	00	900		1940			27
B6 5123	LOS GATOS	428		T08S	R01W		M	37	13	00	121	59	00	900		1885			43
B6 5123-04	LOS GATOS WRIGHT	1610	SEC 26	T09S	R01W	H	M	37	07	24	121	56	00	000		1947			43
D0 5125	LOS GATOS 4 SW	2215	SEC 01	T09S	R02W		M	37	11		122	02		900		1957			43
D4 5184	LUCIA WILLOW SPRINGS	360	SEC 05	T24S	R05E		M	35	53	00	121	27	00	900		1941			27
E3 5333	MARE ISLAND NAVY	52		T03N	R03W		M	38	06		122	16	12	900		1867			48
E4 5371	MARTINEZ 3 S	225		T02N	R02W		M	37	58	00	122	08	00	900		1941			07
E4 5372	MARTINEZ 3 SSE	280						37	58		122	06		900		1956			07
E4 5377	MARTINEZ FIRE STN	26		T02N	R02W		M	38	01	00	122	08	00	900		1891			07
E2 5647	MILL VALLEY	10	SEC 31	T01N	R06W		M	37	53	48	122	31	36	411		1944			21
D4 5795	MONTEREY	335		T15S	R01E		M	36	36	00	121	54	00	900		1878			27
E6 5844	MORGAN HILL 2 E	225		T09S	R03E		M	37	08	00	121	37	00	900		1943			43
E6 5846	MORGAN HILL 6 WNW	660						37	09		121	46		900					43
D1 5853	MORGAN HILL SCS	350	SEC 28	T09S	R03E		M	37	08	00	121	39	00	900		1945			43
E4 5915	MOUNT DIABLO N GATE	2100	SEC 12	T01S	R01W		M	37	52	00	121	56	00	900		1952			07
E5 5933	MOUNT HAMILTON	4206		T07S	R03E		M	37	20	00	121	39	00	900		1881			43
D1 5973	MOUNT MADONNA	1800	SEC 35	T10S	R02E		M	37	01	00	121	43	00	900		1945			44
D1 5973-11	MT MADONNA CO PK	1880	SEC 01	T11S	R02E	B	M	37	00	42	121	42	12	909		1937			43
E2 5996	MT TAMALPAIS 2 SW	1480						37	54		122	36		900		1959			21
E2 6027	MUIR WOODS	170					M	37	54	00	122	34	00	900		1940			21
D3 6056	NACIMIENTO DAM	770	SEC 15	T25S	R10E		M	35	46	00	120	53	00	900		1957			40
E3 6065	NAPA	16	SEC 03	T05N	R04W		M	38	18	00	122	17	00	900		1945	1966		28
E3 6067	NAPA 5 NNW	30	SEC 16	T06N	R04W		M	38	22	00	122	18	00	900		1966			28
E3 6074	NAPA STATE HOSPITAL	60	SEC 14	T05N	R04W	H	M	38	17	00	122	16	00	900		1877			28
F9 6105	NAVARRO 1 NW	220						39	10		123	34		900		1958			23
E5 6144	NEWARK	14	SEC 01	T05S	R02W	Q	M	37	31	18	122	01	43	900		1891			60
F9 6187	NICASIO													413					21
E5 6199-10	NILES PINNA	75		T04S	R01N		M									1962			60
E2 6290	NOVATO 8 WNW	350	SEC 24	T04N	R08W		M	38	08	00	122	43	00	900		1943			21
E2 6290-02	NOVATO FIRE HOUSE	18						38	06	30	122	33	42	411		1957			21
E4 6332-01	OAKLAND 39TH AVE			T02S	R03W		M							907		1960			60
E4 6333	OAKLAND CITY HALL	40	SEC 35	T01S	R04W		M	37	48	00	122	16	00	900		1949			60
E4 6335	OAKLAND WB AP	3					M	37	44	00	122	12	00	900		1939			60
E3 6351	OAKVILLE 1 WNW	160	SEC 21	T07N	R05W		M	38	27	00	122	25	00	900		1906			28
E3 6356	OAKVILLE 4 SW NO 2	1685	SEC 01	T06N	R06W		M	38	24	00	122	28	00	900		1963			28
F9 6370	OCCIDENTAL	1000	SEC 33	T07N	R10W		M	38	25	00	122	59	00	900		1940			49
D1 6610	PAICINES OHRWALL RCH	950	SEC 12	T14S	R05E		M	36	44	00	121	22	00	900		1924			35
E6 6646	PALO ALTO CITY HALL	23	SEC 01	T06S	R03W		M	37	27	00	122	08	00	900		1953			43
D2 6650	PALOMA	1835	SEC 23	T18S	R04E		M	36	21	00	121	30	00	900		1940			27
D3 6703	PARKFIELD	1482	SEC 35	T23S	R14E		M	35	53	00	120	26	00	900		1938			27
D3 6706	PARKFIELD 7 NNW	3590	SEC 21	T22S	R14E	N	M	36	59	46	120	28	26	900		1948			27

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INDEX OF CLIMATOLOGICAL STATIONS FOR 1965-66

CENTRAL COASTAL AREA

Station Number	Station Name	Elevation (in Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude ° ' "	Longitude ° ' "	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
D3 6730	PASO ROBLES	700	SEC 33	T26S	R12E		M	35 38 00	120 41 00	900		1887			40
D3 6736	PASO ROBLES 5 NW	995	SEC 13	T26S	R11E		M	35 41 00	120 45 00	900		1940			40
D3 6742	PASO ROBLES FAA AP	803	SEC 13	T26S	R12E		M	35 40 00	120 38 00	900		1944			40
E6 6791-43	PENITENCIA RAIN GAGE			T06S	R01E		M	37 24 00	121 49 54	426					43
E2 6826	PETALUMA FS NO 2	16	SEC 33	T05N	R07W		M	38 14 00	122 38 00	900		1871			49
E2 6826-01	PETALUMA BURNS	240	SEC 02	T04N	R08W		M	38 13 00	122 42 48	901		1959			49
F8 6851-01	PHILO 2 NW	240		T14N	R15W		M	39 05 30	123 28 30	000		1953			23
F8 6851-02	PHILO 4 NW	240	SEC 33	T15N	R15W			39 01 00	123 37 00	403					23
F9 6853	PHOENIX LAKE DAM	175					M	37 57 18	122 34 24	413		1937			21
D2 6926	PINNACLES NAT MON	1310	SEC 02	T17S	R07E		M	36 29 00	121 11 00	900		1937			35
E5 6991-05	PLEASANTON NURSERY	345	SEC 20	T03S	R01E		M	37 40 00	122 53 00	000		1939			60
F8 7009	POINT ARENA	122	SEC 12	T12N	R17W		M	38 55 00	123 42 00	900		1940			23
E4 7070	PORT CHICAGO NAD	50		T02N	R01W		M	38 01 00	122 01 00	900		1946			07
E8 7086	PORTOLA STATE PARK	422	SEC 08	T08S	R03W	Q	M	37 14 42	122 12 42	901		1959			41
F9 7108	POTTER VALLEY 3 SE	1100	SEC 27	T17N	R11W		M	39 18 00	123 04 00	900		1952			23
F9 7109	POTTER VALLEY PH	1014	SEC 06	T17N	R11W		M	39 22 00	123 08 00	900		1911			23
D2 7150	PRIEST VALLEY	2300	SEC 21	T20S	R12E		M	36 11 00	140 42 00	900		1898			27
D1 7190	QUIEN SABE HAY CAMP	1630	SEC 27	T12S	R07E	M	M	36 51 30	121 11 48	000		1949			35
D1 7249	RANCHO QUIEN SABE	1800	SEC 04	T13S	R07E	D	M	36 50 12	121 12 48	000		1931			35
E6 7339	REDWOOD CITY	31		T05S	R03W		M	37 29 00	122 14 00	900		1899			41
F9 7351	REDWOOD VALLEY	718	SEC 09	T16N	R12W		M	39 16 00	123 12 00	900		1937			23
E4 7414	RICHMOND	55						37 56 00	122 21 00	900		1950			07
D4 7539-01	ROOSEVELT RANCH	1100	SEC 24	T20S	R02E		M	36 10 48	121 41 48	000		1946			27
E3 7643	SAINT HELENA	255	SEC 31	T08N	R05W	N	M	38 30	122 28	900		1907			28
E3 7646	SAINT HELENA 4 WSW	1792	SEC 04	T07N	R06W		M	38 30 00	122 32 00	900		1939			21
E4 7661	SAINT MARYS COLLEGE	625	SEC 17	T01S	R02W		M	37 50 00	122 06 00	900		1942			07
D2 7668	SALINAS 2 E	80						36 40 00	121 37 00	900		1958			27
D2 7669	SALINAS FAA AP	80		T14S	R03E		M	36 40 00	121 36 00	900		1873			27
D3 7672	SALINAS DAM	D 1380	SEC 08	T30S	R14E		M	35 20 00	120 30 00	900		1942			40
E2 7707-01	SAN ANSELMO	100						37 58 36	122 33 42	411		1957			21
D3 7714	SAN ANTONIO MISSION	1060	SEC 18	T22S	R07E		M	36 01 00	121 15 00	900		1959			27
D2 7716	SAN ARDO	440	SEC 16	T22S	R10E	K	M	36 00 48	120 54 06	900		1894			27
D1 7719	SAN BENITO	1355	SEC 27	T16S	R08E	H	M	36 30 30	121 04 54	900		1936			35
D4 7731	SAN CLEMENTE DAM	600	SEC 23	T17S	R02E		M	36 26 12	121 42 30	900	NFGS18	1940			27
D1 7755	SAN FELIPE HGHWY STN	365		T10S	R06E		M	37 01 00	121 20 00	900		1943			43
E8 7767	SAN FRANCISCO SUNSET	300		T02S	R06W		M	37 46 00	122 30 00	900		1948			80
E7 7769	SAN FRANCISCO WB AP	8						37 37 00	122 23 00	900		1928			41
E7 7772	SAN FRANCISCO F O B	52						37 47 00	122 25 00	900		1931			80
E8 7807	SAN GREGORIO 3 SE	355	SEC 30	T07S	R04W		M	37 18 00	122 20 00	900		1954	1964		41
E8 7807	SAN GREGORIO 2 SE	275	SEC 23	T07S	R05W		M	37 18 00	122 22 00	900		1964			41
E6 7821	SAN JOSE	70		T07S	R01E		M	37 21 00	121 54 00	900		1874			43
E6 7824-01	SAN JOSE DECID FFS	90	SEC 15	T07S	R01W	J	M	37 19 00	121 57 00	801		1935			43
D1 7834	SAN JUAN BAUTIST 3 SSE	615	SEC 10	T13S	R04E		M	36 49 00	121 31 00	900		1943			35
D1 7835	SAN JUAN BAUTISTA MI	200						36 50 42	121 32 00	804		1900		02	35
D2 7845-10	SAN LUCAS GUIDICI	380	SEC 08	T21S	R09E	B	M	36 07 25	121 01 09	806		1962			27
E7 7864	SAN MATEO	30	SEC 29	T04S	R04W		M	37 34 00	122 19 00	900		1874			41
E2 7880	SAN RAFAEL	31						37 58 00	122 32 00	900		1948			21
E2 7880-08	SAN RAFAEL NO 1	25		T02N	R06W		M	37 58 24	122 31 30	413		1876			21
E6 7912	SANTA CLARA UNIV	88		T07S	R01W		M	37 21 00	121 56 00	900		1881			43
D0 7916	SANTA CRUZ	125					M	36 59 00	122 01 00	900		1866			44
D3 7930	SANTA MARGARITA 2 SW	1200	SEC 36	T29S	R12E		M	35 22 00	120 38 00	900		1940			40
D3 7933	SANTA MARGARITA BSTR	1100	SEC 25	T29S	R12E		M	35 22 00	120 38 00	900		1931		03	40
D2 7959-10	SANTA RITA MUTHER	80	SEC 12	T14S	R03E	H	M	36 45 00	121 41 24	806		1962	1965		27
F9 7964	SANTA ROSA SEWAGE PT	20	SEC 21	T07N	R08W	P	M	38 26 24	122 45 12	000		1956			49
F9 7965	SANTA ROSA	167		T07N	R08W		M	38 27 00	122 42 00	900		1888			49
E6 7998-01	SARATOGA CLARK	272		T07S	R01W		M	37 16 48	121 59 42	414		1956			43
E6 7998-02	SARATOGA GAP MAINT									809					43
E6 7998-03	SARATOGA KRIEGE			T08S	R02W		M	37 15 00	122 02 00			1960			43
E6 8068	SEARSVILLE LAKE	350	SEC 12	T06S	R03W		M	37 24 00	122 14 00	900		1949			41
F9 8072	SEBASTOPOL 4 SSE	150	SEC 06	T06N	R09W		M	38 21 00	122 49 00	900		1935			49
F9 8272	SKAGGS SPR LAS LOMAS	1930	SEC 36	T10N	R12W		M	38 41 00	123 08 00	900		1939			49
D2 8276	SLACK CANYON	1730	SEC 22	T21S	R12E		M	36 05 00	120 40 00	900		1955			27
D2 8338	SOLEDAD	204		T17S	R06E		M	36 26 00	121 19 00	900		1874			27
D2 8338-01	SOLEDAD CTF	230	SEC 12	T17S	R05E	B	M	36 28 26	121 22 34	000		1961			27
E2 8351	SONOMA	20					M	38 17 00	122 27 00	900		1952			49
E0 8376	S E FARALLON	27					M	37 42 00	123 00 00	900		1941			80
D2 8446	SPRECKELS HWY BRIDGE	60		T15S	R03E		M	36 36 00	121 41 00	900		1905			27
D2 8446-01	SPRECKELS	48	SEC 16	T15S	R03E			36 37	121 39	000		1905			27
E6 8447	SPRECKELS HILL-LAG.SE	384		T09S	R03E		M	37 12 00	121 44 00	414					43
E6 8519	STEVENS CREEK RES	600	SEC 28	T07S	R02W	H	M	37 18 00	122 05 00	414		1937			43

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CENTRAL COASTAL AREA

Station Number	Station Name	Elevation (in Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude ° ' "	Longitude ° ' "	Cooperator Number	Cooperator's Index Number	Record Began	Record Ended	Years Missing	County Code
D1 8680	SUNSET BEACH ST PARK	85						36 54 00	121 50 00	900		1956			44
E2 8779	TAMALPAIS VALLEY	250						37 52 42	122 32 36	901		1959			21
D3 8849	TEMPLETON	773	SEC 29	T27S	R12E		M	35 32 56	120 42 21	000		1886		05	40
F9 8885	THE GEYSERS	1600	SEC 23	T11N	R09W		M	38 48 00	122 49 00	900		1939			49
E2 8920-21	TIBURON TOPHAM	400		T01S	R05W		M	37 52 24	122 27 12	000		1960			21
F9 9122	UKIAH	623	SEC 17	T15N	R12W		M	39 09 00	123 12 00	900		1877			23
F9 9124	UKIAH 4 WSW	1900						39 08	123 17	900		1951	1955		23
E4 9185	UPPER SAN LEANDRO FIL	390	SEC 11	T02S	R03W	G	M	37 46 00	122 10 00	900		1944			07
D1 9189	UPPER TRES PINOS	2050	SEC 07	T15S	R09E		M	36 38	121 02	900		1940			35
D3 9221	VALLETON	950	SEC 32	T23S	R12E		M	35 53 00	120 42 00	900		1940			27
E6 9270	VASONA RESERVOIR	300					M	37 14 36	121 58 00	426					43
F9 9273	VENADO	1260	SEC 19	T09N	R10W		M	38 37 00	123 01 00	900		1939			49
E3 9305	VETERANS HOME	170	SEC 01	T06N	R05W		M	38 23	122 22	000		1912			28
E4 9420	WALMAR SCHOOL	128					M	37 57 00	122 05 00	900		1954			07
E4 9423	WALNUT CREEK 2 ESE	245	SEC 36	T01N	R02W		M	37 53 00	122 02 00	900		1887			07
E4 9426	WALNUT CREEK 2 ENE	220	SEC 30	T01N	R02W		M	37 54 00	122 01 00	900		1944			07
E4 9427	WALNUT CREEK 4 E	400						37 54 00	121 59 00	900		1954			07
D1 9473	WATSONVILLE WATERWKS	95						36 56 00	121 46 00	900		1880			44
D0 9675	WILDER RANCH	50					M	36 57 36	122 05 24			1924			44
E3 9675-41	WILD HORSE VALLEY	1240	SEC 10	T05N	R03W	D	M	38 17 53	122 11 13	418					48
F9 9770	WOODACRE	430						38 00 24	122 38 30	808	049770	1950	1956		21
E6 9814	WRIGHTS	1600	SEC 23	T09S	R01W		M	37 08 00	121 57 00	900		1918			43
F8 9851	YORKVILLE	1100	SEC 02	T12N	R13W		M	38 55 00	123 16 00	900		1939			23
E3 9861	YOUNTVILLE GAMBLE	120	SEC 24	T07N	R05W	P	M	38 26 05	122 22 05	806		1962			28

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PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																	
	Total July I To June 30	1965						1966									Total Oct. I To Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
CENTRAL COASTAL AREA																	
SANTA CRUZ COAST																	
Ben Lomond	-	0.00	0.04	T	0.00	12.11	7.57E	RE									-
Ben Lomond No 2	-						RB	5.83	6.85	0.41	0.84	0.04	T	0.24	T	0.30	-
Boulder Ck Locatelli	43.22	0.00	0.20	0.09	0.25	14.10	9.27	9.11	7.19	1.08	1.76	0.17	0.00	0.00	0.00	0.25	43.18
Corralitos	16.04E	0.00	0.29E	0.00	0.07E	6.13E	4.89	1.52	2.12E	0.29E	0.63E	0.10E	0.00	0.00	0.00	0.00	15.75E
Crest Ranch	42.66	0.00	0.00	0.00	0.30	14.00	8.65	9.06	7.56	1.37	1.37	0.29	0.06	0.15	0.05	0.50	43.36
Davenport	20.28	0.00	0.05	0.00	0.19	7.56	4.17	3.49	3.45	0.49	0.64	0.16	0.08	0.08	0.14	0.32	20.77
Santa Cruz	20.02	0.00	0.11	0.00	0.12	6.93	4.54	2.17	4.72	0.39	0.79	0.10	0.15	0.32	0.10	0.15	20.48
Sunset Beach St Park	13.52	0.00	0.20	0.00	0.05	5.08	4.75	1.41	1.54	0.19	0.26	0.04	0.00	0.55	0.00	0.14	14.01
Wilder Ranch	19.51	0.00	0.10	0.00	0.14	7.19	4.70	2.04	3.99	0.58	0.57	0.06	0.14	0.24	0.06	0.09	19.80
PAJARO-SAN BENITO RIVERS																	
Buena Vista	12.43E	0.00	0.19E	0.04	0.15	5.44	3.57E	1.22E	1.20	0.33	0.19	0.10	0.00	0.63	0.00	0.58	13.41E
Buzzard Lagoon	22.05	0.00	0.27	0.00	0.10	7.65	6.41	2.89	2.62	0.38	0.88	0.26	0.59	0.00	0.00	0.23	22.01
Chittenden Pass	16.55	0.00	0.66	0.03	0.10	5.90	5.00	1.92	1.92	0.21	0.75	0.05	0.01	0.22	0.00	0.10	16.18
Chittenden	15.76	0.00	0.65	0.02	0.09	5.93	4.78	1.87	1.52	0.08	0.73	0.09	0.00	0.20	0.00	0.09	15.38
Cienega	16.97	0.00	0.46	0.00	0.00	8.09	4.81	1.93	1.10	0.32	0.22	0.04	T	0.51	0.00	0.42	17.44
Freedom 8NNW	-	0.00	-	0.00	-	-	-	2.00	3.16	0.21E	0.75E	0.18E	0.00	0.34E	0.00	0.00	-
Gilroy	14.39	T	0.58	0.00	0.06	5.58	4.03	1.61	1.62	0.12	0.54	0.25	T	0.38	0.00	0.15	14.34
Gilroy 14 ENE	15.40	T	0.27	T	0.00	6.39	4.61	1.42	1.51	0.12	0.77	0.31	0.00	0.30	0.00	0.04	15.47
Hernandez 2 NW	12.87	0.22	0.06	0.00	0.05	6.62	3.43	1.23	0.86	0.19	0.12	0.02	0.07	0.65	0.00	0.74	13.98
Hernandez 7 SE	16.15	0.17	0.00	0.05	0.05	9.43	3.63	1.10	1.27	0.26	0.15	0.00	0.04	0.68	0.00	0.74	17.35
Hollister	11.22	T	0.31	0.02	0.04	4.68	3.53	1.18	0.91	0.14	0.30	0.11	0.00	0.43	T	0.17	11.49
Hollister Moura	-	0.00	0.15	0.01	0.10	4.96	-	-	-	RE							
Hollister 2	11.25	0.00	0.31	0.02	0.04	5.46	3.22	1.04	0.75	0.10	0.22	0.09	0.00	0.43	0.00	0.30	11.65
Hollister 10 ENE	15.02E	0.02	0.30	0.07	0.25	6.81	3.67E	1.61	1.58	0.27	0.23	0.21	0.00	0.53	0.00	0.18	15.34E
Morgan Hill 2 E	14.65	T	0.50	0.00	0.21	5.67	4.49	1.43	1.60	0.18	0.37	0.14	0.06	0.32	0.00	0.15	14.62
Morgan Hill SCS	14.8	0.0	0.4	0.0	0.2	5.7	4.8	1.6	1.4	0.2	0.3	0.1	0.1	0.3	0.0	0.1	14.8
Mount Madonna	20.88	0.00	0.40	0.00	0.10	7.32	6.62	1.75	3.08	0.39	1.00	0.22	0.00	0.31	0.00	0.26	21.05
Mt Madonna Co Pk	21.57	0.01	0.37	0.07	0.10	7.46	6.22	2.13	3.25	0.54	1.16	0.25	0.01	0.35	0.00	0.16	21.63
Paicines Ohrwall Rch	12.44	0.05	0.50	0.00	0.00	5.60	3.93	1.23	0.77	0.13	0.23	0.00	0.00	0.36	T	0.32	12.57
Quien Sabe Hay Camp	13.70	0.05	0.18	T	0.14	5.78	3.68	1.71	1.28	0.29	0.35	0.24	T	0.56	0.00	0.28	14.31
Rancho Quien Sabe	14.17	0.00	0.19	0.00	0.14	6.08	3.87	1.62	1.43	0.26	0.35	0.23	0.00	0.56	0.00	0.28	14.82
San Benito	11.19E	0.00	0.03	0.06	0.08	6.14E	2.74	1.15	0.77	0.15	0.07	0.00	0.00	0.42	0.00	0.26	11.78E
San Felipe Hghwy Stn	-	0.00	0.28E	0.05	0.06	5.59	4.73	1.24	-	-	-	-	0.00	-	0.00	-	-
San Juan Bautist 3 SSE	13.87	0.00	0.10	0.00	0.06	5.25	5.18	1.37	1.31	0.11	0.45	0.04	0.00	0.25	0.00	0.19	14.21
San Juan Bautista Mi	13.83	0.02	0.32	0.00	0.05	5.25	4.41	1.87	1.29	0.18	0.44	0.00	0.00	0.23	0.03	0.25	13.97

- No record or record incomplete
T Trace
RE Record ends
RB Record begins
E Estimated

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation in Inches																
	Total July 1 To June 30	1965						1966									Total Oct. 1 To Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
CENTRAL COASTAL AREA																	
PAJARO-SAN BENITO RIVERS																	
Spreckels Hill Lag. Se	11.29	T	0.21	0.00	0.12	3.72	3.61	1.51	1.29	0.23	0.25	0.20	0.15	0.32	0.00	0.22	11.62
Upper Tres Pinos	12.76E	0.02	0.11E	0.24	0.05	6.73	3.23E	1.27	0.58	0.15	0.16	0.22	0.00	0.40E	0.00	0.40	13.19E
Watsonville Waterwks	14.63	0.00	0.28	0.00	0.07	5.21	4.60	1.77	2.01	0.23	0.41	0.05	0.00	0.32	T	0.08	14.75
LOWER SALINAS RIVER																	
Arroyo Seco	15.54E	0.00	0.07	0.00	0.00	7.06	4.83	1.65	1.13	0.35	0.43E	0.00	0.02	0.35	0.00	0.60E	16.42E
Del Monte	12.94E	0.00	0.26	0.00	0.07	4.95	4.48E	1.54E	1.34E	0.15	0.13	0.00	0.02	0.17	0.00	0.18	13.03E
Fremont Peak	15.58	T	0.31	0.18	0.17	5.64	5.70	1.13	1.56	0.19	0.66	0.04	0.00	0.18	0.00	0.28	15.55
Gonzales 9 ENE	11.95E	0.03	0.17	0.05	0.08	5.44	3.33E	1.57	0.90E	0.21	0.17	0.00	0.00	0.40	0.00	0.22	12.32E
Greenfield Baker	9.79	0.04	0.09	0.00	0.04	5.24	2.24	1.55	0.39	0.15	0.05	0.00	0.00	0.18	0.00	0.11	9.95
Hames Valley	13.62	0.10	T	0.00	0.00	8.35	3.06	1.43	0.48	0.18	0.01	0.00	0.01	0.26	0.00	1.00	14.78
King City	8.29	0.00	0.00	0.00	0.00	5.28	1.50	1.04	0.30	0.15	0.02	0.00	0.00	0.00	0.00	0.21	8.50
Monterey	17.66	0.05	0.16	0.02	0.23	6.49	5.56	2.32	1.88	0.43	0.27	0.13	0.12	0.28	0.09	0.32	18.12
Paloma	17.71	T	0.31	0.00	0.08	7.79	4.14	2.52	1.88	0.69	0.28	T	0.02	0.46	0.09	0.20	18.15
Pinnacles Nat Mon	13.92	0.22	0.22	0.04	0.13	6.77	3.53	1.62	0.78	0.51	0.09	0.00	0.01	0.47	0.00	0.23	14.14
Priest Valley	17.82	0.19	T	T	0.04	9.82	4.35	1.72	1.26	0.15	0.19	T	0.10	1.00	0.00	0.48	19.11
Salinas 2 E	11.71	0.00	0.42	0.02	0.13	4.20	4.25	1.26	1.17	0.10	0.14	0.01	0.01	0.23	0.00	0.18	11.68
Salinas FAA Ap	11.04	T	0.31	0.03	0.11	4.11	4.07	1.04	1.10	0.11	0.15	T	0.01	0.23	0.03	0.23	11.19
San Ardo	10.95	0.00	0.05	0.02	0.00	6.70	2.59	1.18	0.32	0.09	0.00	0.00	0.00	0.17	0.00	0.44	11.49
San Lucas Guidicl	-	0.02	T	0.00	0.03	5.28	RE										
Slack Canyon	12.67E	0.02	0.00	0.09	0.04	7.96	2.74E	1.00	0.72	0.10	0.00	0.00	0.00	0.00	0.00	0.25	12.81E
Soledad	10.38	0.20	0.11	0.00	0.02	4.91	3.01	1.28	0.47	0.37	T	0.00	0.01	0.25	0.00	0.06	10.38
Soledad CTF	10.38	0.08	0.22	0.00	0.01	4.82	2.80	1.26	0.53	0.60	0.06	0.00	0.00	0.19	0.00	0.53	10.80
Spreckels Hwy Bridge	12.45	0.00	0.36	0.03	0.19	4.24	4.10	1.69	1.24	0.32	0.23	T	0.05	0.70	0.00	0.30	13.06
Spreckels	11.57	0.00	0.40	0.02	0.16	4.25	4.01	1.25	1.10	0.20	0.18	0.00	0.00	0.54	0.00	0.28	11.97
UPPER SALINAS RIVER																	
Atascadero Maint Stn	14.21	0.04	0.00	0.00	0.03	7.55	3.70	1.73	0.69	0.22	0.11	0.00	0.14	0.04	0.00	0.29	14.50
Bradley	10.69	0.23	0.00	0.02	0.00	6.41	2.23	1.12	0.60	0.07	0.01	0.00	0.00	0.15	0.00	0.06	10.65
Bryson	21.89	0.15	0.05	0.00	0.00	12.14	5.69	2.24	1.36	0.10	0.07	0.00	0.09	0.22	0.00	0.20	22.11
Cholame Hatch Ranch	7.91E	0.29	0.05	0.07	0.00	3.44	2.26	0.85	0.78E	0.00	0.04	0.00	0.13	0.19	0.00	0.13	7.82E
La Panza Ranch	-	0.10	0.00	0.82	0.00	-	-	1.14E	0.85E	0.10	0.01	0.00	0.09	0.08	0.00	0.71	-
Linn Ranch	12.30	0.02	T	0.09	0.00	7.23	3.11	1.27	0.43	0.03	0.00	0.00	0.12	0.10	0.00	0.08	12.37
Lockwood 2 N	12.63	0.00	0.09	0.00	0.00	7.16	3.11	1.33	0.86	0.08	0.00	0.00	0.00	0.22	0.00	0.90	13.66
Nacimiento Dam	13.00	0.04	0.00	0.00	0.00	7.81	2.92	1.53	0.46	0.12	T	0.00	0.12	0.30	0.00	0.27	13.53
Parkfield	12.92	0.32	T	0.43	T	6.68	3.34	1.12	0.66	0.07	0.08	0.03	0.19	0.24	0.00	0.15	12.56
Parkfield 7 NNW	11.28E	0.25	0.00	0.40	0.09	7.04	1.91	0.60	0.58	0.06E	0.15	0.12	0.08	0.53	0.00	0.14E	11.30E

- No record or record incomplete
T Trace
RE Record ends
E Estimated

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																
	Total July 1 To June 30	1965						1966									Total Oct. 1 To Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
CENTRAL COASTAL AREA																	
UPPER SALINAS RIVER																	
Paso Robles	11.97	0.04	0.03	0.15	0.00	6.43	3.24	1.17	0.68	0.08	0.00	0.01	0.14	0.08	0.00	0.11	11.94
Paso Robles 5 NW	12.73	0.08	0.03	0.05	0.00	7.65	2.99	1.34	0.44	0.05	0.00	0.00	0.10	0.10	0.00	0.07	12.74
Paso Robles FAA Ap	9.97	0.05	0.02	0.12	0.00	5.22	2.79	1.08	0.56	0.03	0.00	T	0.10	0.17	T	0.16	10.11
Salinas Dam	17.00	0.00	T	0.00	0.01	10.15	4.24	1.62	0.74	0.14	0.08	0.00	0.02	0.05	0.00	1.13	18.18
San Antonio Mission	18.76	0.05	0.00	0.01	0.00	11.34	3.85	1.57	1.69	0.13	0.12	0.00	0.00	0.23	0.00	0.13	19.06
Santa Margarita 2 SW	22.14	0.00	0.02	T	0.01	12.72	5.09	2.21	1.18	0.55	0.36	T	T	0.13	0.00	0.67	22.92
Santa Margarita 8str	22.60	T	0.02	0.05	0.02	12.99	5.13	2.45	1.18	0.46	0.26	0.00	0.04	0.14	0.00	0.61	23.27
Templeton	13.99	0.01	0.00	0.00	0.01	7.29	3.96	1.67	0.66	0.24	0.00	0.00	0.15	0.04	0.00	0.10	14.12
Valleton	10.55	0.18	0.00	0.30	0.00	6.26	2.27	1.00	0.50	0.04	0.00	0.00	0.00	0.22	0.00	0.19	10.48
MONTEREY COAST																	
Big Sur State Park	33.57	T	0.07	0.00	0.24	14.97	8.41	3.54	5.14	0.31	0.89	0.00	0.00	0.12	T	0.23	33.82
Carmel Valley	13.74	0.00	0.17	T	0.12	5.25	4.36	1.77	1.25	0.56	0.24	0.00	0.02	0.31	0.00	0.23	14.11
Lucia Willow Springs	19.53	0.08	0.05	0.00	0.00	10.42	4.09	2.19	2.11	0.12	0.39	0.00	0.08	0.20	0.00	0.09	19.69
Roosevelt Ranch	22.29	T	0.17	0.00	0.19	7.14	7.32	3.00	3.43	0.24	0.80	T	0.00	0.25	T	0.23	22.60
San Clemente Dam	15.92	0.00	0.25	0.00	0.07	6.63	4.43	2.04	1.47	0.68	0.27	0.00	0.08	0.27	0.00	0.18	16.12

T Trace

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation in Inches																
	Total July 1 To June 30	1965						1966									Total Oct. 1 To Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SAN FRANCISCO BAY AREA																	
SAN FRANCISCO BAY																	
S E Farallon	13.31E	0.00	0.18	0.00	0.15	3.92	2.01	2.85E	2.59	0.80	0.49	0.05	0.27	0.00	0.15	0.46	13.74E
COAST-MARIN																	
Muir Woods	30.63	0.00	0.68	0.00	0.88	7.25	5.49	6.64	5.99	2.28	0.90	0.25	0.27	0.00	0.32	0.04	30.31
MARIN-SONOMA																	
Kentfield	41.96	T	0.63	0.00	T	8.47	6.96	16.40	6.53	1.33	1.23	0.25	0.16	0.00	0.19	0.11	41.63
Mill Valley	23.01	0.00	0.70	0.00	T	6.00	4.59	5.99	4.16	0.87	0.70	0.00	0.00	0.00	0.09	0.08	22.48
Novato Fire House	17.61	0.00	0.70	0.00	0.00	4.62	3.72	4.37	3.61	0.16	0.36	0.07	0.00	0.00	0.10	0.13	17.14
Oakville 4 SW No 2	29.22	0.00	0.78	0.00	0.10	8.75	5.26	7.83E	4.25E	0.59	1.39	0.17	0.10	0.00	0.29	0.00	28.73
Petaluma FS No 2	19.65	0.00	0.41	0.00	0.20	5.93	3.70	5.00	3.10	0.55	0.46	0.12	0.18	0.00	0.11	0.05	19.40
Petaluma Burna	25.95	0.00	0.35	0.00	0.10	7.40	4.70	7.90	3.95	0.50	0.75	0.10	0.20	0.00	0.28	0.05	25.93
Phoenix Lake Dam	42.97	0.00	0.52	0.00	0.00	10.17	6.63	14.36	9.04	0.79	1.16	0.18	0.12	0.00	0.22	0.08	42.75
San Anselmo	32.43	0.00	0.55	0.00	0.00	7.89	4.56	10.78	8.07	0.28	0.30	0.00	0.00	0.00	0.00	0.01	31.89
San Rafael	31.51	0.02	0.77	0.00	T	7.67	5.79	10.44	5.53	0.41	0.62	0.21	0.05	0.00	0.11	0.06	30.89
San Rafael No 1	32.08	T	0.80	0.00	0.00	7.93	6.14	9.66	6.47	0.38	0.61	0.02	0.07	0.00	0.09	0.03	31.40
Sonoma	23.45	0.00	0.66	0.00	0.20	6.74	3.49	7.50	3.31	0.54	0.63	0.15	0.23	0.05	0.07	0.10	23.01
Tamalpais Valley	28.71	0.00	0.86	0.00	0.46	7.24	5.31	6.45	5.42	1.56	0.91	0.24	0.26	0.00	0.22	0.20	28.27
Tiburon Topham	23.03	T	1.29	0.00	0.10	6.52	4.31	6.38	3.03	0.64	0.41	0.15	0.20	0.00	0.15	0.10	21.99
NAPA-SOLANO																	
Angwin PUC	33.27	0.04	0.80	0.00	0.08	8.53	5.10	9.81	4.75	1.28	2.71	0.14	0.03	0.05	0.37	0.03	32.88
Atlas Road	-	0.0	0.9	0.0	0.1	8.5	-	-	-	1.0	1.7	0.1	0.1	0.1	0.1	0.0	-
Calistoga	26.80	T	0.59	0.00	0.13	7.73	4.89	8.08	4.20	0.91	0.00	0.19	0.08	T	0.27	0.09	26.57
Carneros Valley	29.97	0.00	3.16	0.00	0.09	7.42	4.69	8.71	4.61	0.14	0.77	0.22	0.16	0.05	0.13	0.12	27.11
Collinsville	11.99	0.00	0.00	0.00	1.16	1.87	3.60	1.88	0.53	0.79	2.06	0.10	0.00	-	-	-	-
Denverton 1S	12.44	0.00	0.00	0.00	0.00	2.70	3.45	3.22	2.22	0.13	0.47	0.20	0.05	0.12	0.10	0.13	12.79
Duttons Landing	17.77	0.00	0.93	0.00	0.02	5.19	3.49	4.10	2.87	0.23	0.66	0.16	0.12	0.06	0.23	0.20	17.33
Fairfield	14.79E	0.00	0.20	0.00	0.03	4.64E	2.62	4.12	2.32	0.23	0.41	0.14	0.08	0.10	0.20	0.17	15.06E
Fairfield Police Sta	16.00	0.00	0.43	0.00	0.00	4.94	2.63	4.46	2.49	0.26	0.34	0.45	0.00	0.08	0.18	0.37	16.20
Green Valley	23.78	0.00	0.17	0.00	0.08	7.29	4.57	6.38	3.78	0.49	0.97	0.05	0.00	0.09	0.03	0.18	23.91
Lake Curry	21.17	0.00	0.24	0.00	0.10	6.55	3.37	6.14	3.25	0.38	0.85	0.15	0.14	T	0.10	0.04	21.07
Mare Island Navy	14.53	0.00	0.36	0.00	0.05	4.36	3.88	2.60	2.80	0.24	0.00	0.12	0.12	0.05	0.10	0.19	14.51
Napa	-	0.04	1.10	0.00	0.02	5.11	3.63	RE									
Napa 5 NNW							RB	9.81	2.74	0.42	0.60	-	-	-	-	-	-
Napa State Hospital	20.10	0.04	0.85	0.00	0.03	5.11	3.78	5.69	3.14	0.33	0.75	0.19	0.19	0.04	0.18	0.06	19.49

- No record or record incomplete
T Trace
RE Record ends
RB Record begins
E Estimated

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																	
	Total July 1 To June 30	1965						1966									Total Oct. 1 To Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SAN FRANCISCO BAY AREA																	
NAPA-SOLANO																	
Oakville 1 WNW	-	-	-	-	-	8.19	4.37	7.28	4.19	-	-	-	-	-	0.26	0.27	-
Saint Helena	28.87	0.02	0.82	T	0.05	7.76	5.41	9.03	3.87	0.90	0.81	0.12	0.08	0.05	0.32	0.23	28.63
St Helena 4 WSW	35.6	0.0	0.6	0.0	0.3	9.3	5.8	10.1	5.2	2.2	1.9	0.1	0.1	0.0	0.2	0.1	35.3
Veterans Home	28.64	0.03	0.83	0.00	0.03	7.29	4.93	10.22	3.85	0.47	0.75	0.09	0.15	0.20	0.28	0.07	28.33
Wild Horse Valley	26.91	0.00	0.39	0.00	0.08	8.37	5.37	6.75	4.21	0.38	0.71	0.05	0.60	0.07	0.20	0.10	26.89
Yountville Gamble	-	0.11	0.55	T	0.04	6.34	5.11	-	-	-	-	-	-	-	-	-	-
EAST BAY																	
Alamo 1 N	15.60	0.05	0.20	0.00	T	5.23	4.25	2.70	2.04	0.31	0.45	0.35	0.02	0.17	0.20	0.16	15.88
Berkeley	19.53	0.02	0.18	T	0.17	5.72	3.56	4.79	3.41	0.67	0.73	0.16	0.12	0.09	0.17	0.13	19.72
Burton Ranch	17.30	0.03	0.05	T	0.01	5.84	4.72	2.99	2.44	0.36	0.51	0.30	0.05	0.16	0.17	0.16	17.71
Concord 3 E	11.71	0.00	0.18	0.02	0.04	4.12	3.19	1.78	1.50	0.30	0.33	0.23	0.02	0.18	0.15	0.18	12.02
Crockett	16.85	0.00	0.39	0.00	0.05	5.01	4.77	2.69	2.76	0.33	0.54	0.16	0.15	0.07	0.12	0.36	17.01
Hayward 6 ESE	17.43	0.00	0.11	0.01	0.24	5.74	4.97	2.26	2.61	0.49	0.79	0.11	0.10	0.16	0.08	0.14	17.69
Lafayette 2 NNE	17.76	T	0.06	0.00	0.05	6.03	4.38	3.33	2.72	0.31	0.57	0.22	0.07	0.12	0.13	0.12	18.07
Martinez 3 S	15.89	0.00	0.10	0.00	0.04	5.15	4.13	2.80	2.69	0.24	0.49	0.21	0.04	0.14	0.18	0.14	16.25
Martinez 3 SSE	16.12	T	0.14	0.00	0.02	4.81	4.24	2.97	2.49	0.33	0.61	0.45	0.06	0.58	0.20	0.13	16.89
Martinez Fire Stn	15.38	T	0.16	T	T	4.95	4.16	2.59	2.33	0.24	0.64	0.17	0.14	0.07	0.18	0.02	15.49
Mount Diablo N Gate	15.57	0.00	T	0.02	0.04	5.15	4.07	2.10	2.25	0.64	0.86	0.41	0.03	0.20	0.05	0.17	15.97
Oakland 39th Ave	19.97	0.00	0.10	0.02	0.22	6.00	4.09	3.73	3.74	1.01	0.64	0.35	0.07	0.19	0.13	0.14	20.31
Oakland City Hall	16.31	T	0.00	0.00	0.00	4.94	3.09	4.19	2.99	0.57	0.35	0.13	0.05	0.01	0.08	0.13	16.53
Oakland WB AP	13.51	0.01	0.06	T	0.07	4.29	3.63	2.15	2.12	0.49	0.39	0.25	0.05	0.14	0.06	0.09	13.73
Port Chicago NAD	12.04	0.00	0.17	T	0.02	4.20	3.48	1.82	1.31	0.24	0.50	0.28	0.02	0.18	0.17	0.18	12.40
Richmond	18.03	0.00	0.36	0.00	0.10	4.99	3.70	4.76	3.01	0.51	0.37	0.17	0.06	0.05	0.08	0.14	17.94
Saint Marys College	20.67	0.04	0.07	T	0.08	6.89	5.21	3.84	2.93	0.55	0.74	0.23	0.09	0.15	0.17	0.16	21.04
Upper San Leandro Fil	17.96	0.02	0.10	T	0.28	5.48	4.22	2.98	2.97	0.84	0.73	0.34	0.00	0.15	0.14	0.15	18.28
Walmar School	16.08	T	0.00	T	0.03	5.20	4.39	2.91	2.51	0.23	0.33	0.39	0.09	0.14	0.14	0.19	16.55
Walnut Creek 2 ESE	13.71	0.03	0.18	0.00	T	4.67	3.75	2.34	1.92	0.32	0.10	0.37	0.03	0.16	0.17	0.17	14.00
Walnut Creek 2 ENE	11.99	0.00	0.17	0.00	0.00	4.36	3.27	2.02	1.36	0.22	0.24	0.30	0.05	0.20	0.21	0.18	12.41
Walnut Creek 4 E	11.92	0.01	0.20	0.00	0.01	4.30	3.16	1.83	1.56	0.25	0.28	0.30	0.02	0.17	0.16	0.18	12.22

\- No record or record incomplete
T Trace

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation in Inches																
	Total July 1 To June 30	1965						1966									Total Oct. 1 To Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SAN FRANCISCO BAY AREA																	
ALAMEDA CREEK																	
Calaveras Reservoir	15.22	0.00	0.35	0.00	0.11	6.01	4.00	1.72	1.82	0.56	0.45	0.12	0.08	0.27	0.00	0.21	15.35
Gerber Ranch	13.07	T	0.65	0.00	0.01	6.18	2.91	1.18	1.01	0.38	0.30	0.34	0.11	0.26	0.00	0.02	12.70
Livermore Sewage Plt	10.79	0.00	0.24	0.02	0.00	4.03	3.09	1.63	0.97	0.20	0.36	0.15	0.10	0.18	0.00	0.11	10.82
Livermore 2 SSW	10.63	T	0.21	T	0.03	4.22	3.23	1.05	1.17	0.17	0.33	0.10	0.12	0.17	0.00	0.11	10.70
Mount Hamilton	18.97	T	T	0.00	0.17	8.11	5.24	1.04	2.43	0.52	0.90	0.44	0.15	0.23	0.00	0.20	19.40
Newark	10.99	0.00	0.18	0.00	0.11	4.21	2.84	1.54	1.27	0.32	0.36	0.05	0.11	0.24	0.00	0.13	11.18
Niles Pinna	15.18	0.00	0.10	0.00	0.17	5.72	3.85	1.86	2.08	0.51	0.77	0.12	0.00	0.28	0.15	0.00	15.51
Pleasanton Nursery	15.94	0.08	0.10	0.00	T	6.15	4.15	2.21	2.44	0.18	0.37	0.13	0.13	0.15	T	0.09	16.00
SANTA CLARA VALLEY																	
Alamitos Perc Pond	12.43	0.00	0.11	0.00	0.03	5.10	3.95	1.40	1.12	0.26	0.28	0.14	0.04	0.24	0.00	0.11	12.67
Almaden Reservoir	21.77	T	0.33	0.00	0.00	8.20	6.82	2.37	2.97	0.22	0.57	0.17	0.12	0.28	0.02	0.18	21.92
Black Mtn 2 SW	24.81	0.00	0.07	0.08	0.34	9.73	5.90	3.07	3.21	1.06	1.19	0.10	0.06	0.18	0.11	T	24.95
Calero Reservoir	14.19	T	0.20	0.00	0.00	5.72	4.04	1.75	1.58	0.19	0.40	0.17	0.14	0.26	0.00	0.23	14.48
Cambrian Park	13.41	T	0.15	0.00	0.01	5.64	4.23	1.31	1.33	0.26	0.33	0.11	0.04	0.25	0.00	0.13	13.64
Campbell Water Co	12.03	0.00	0.03	T	0.00	5.23	3.78	1.23	1.01	0.37	0.36	0.02	0.00	0.23	0.00	0.12	12.35
Coyote Reservoir	17.05	T	0.78	0.02	0.19	6.05	4.80	1.65	2.17	0.20	0.88	0.31	0.00	0.42	0.00	0.27	16.94
Evergreen	-	T	0.30	0.00	0.25	RE											
Gilroy 8 NE	16.30E	0.00	0.31	0.00	0.07	6.75	4.91	1.32E	1.61	0.09	1.00	0.24	0.00	0.38	0.00	0.12	16.49E
Guadalupe Reservoir	19.10	T	0.12	0.00	0.00	7.21	6.36	1.95	2.69	0.21	0.38	0.13	0.05	0.15	0.10	0.18	19.41
Leroy Anderson Dam	13.86	T	0.50	0.17	0.17	5.19	4.20	1.55	1.33	0.19	0.33	0.16	0.07	0.32	0.00	0.15	13.66
Lexington Reservoir	25.00	0.00	0.20	0.00	0.00	9.42	6.79	3.44	4.04	0.25	0.69	0.12	0.05	0.41	0.02	0.20	25.43
Los Gatos	15.93	0.00	0.12	0.00	0.00	5.87	5.10	1.91	2.36	0.22	0.25	0.07	0.03	0.31	0.01	0.14	16.27
Los Gatos Wright	15.16	T	0.21	0.00	T	6.00	4.63	1.72	1.95	0.25	0.26	0.11	0.03	0.30	0.00	0.14	15.39
Los Gatos 4 SW	35.39	T	0.08	0.00	0.00	11.96	12.43	4.36	5.31	0.25	0.85	0.15	0.00	0.48	0.10	0.50	36.39
Morgan Hill 2 E	14.65	T	0.50	0.00	0.21	5.67	4.49	1.43	1.60	0.18	0.37	0.14	0.06	0.32	0.00	0.15	14.62
Morgan Hill 6 WNW	16.29E	0.00	0.41E	0.00	0.10	6.56	4.91	1.77	1.79	0.20E	0.36	0.13	0.06E	0.32E	0.00	0.09E	16.29E
Palo Alto City Hall	11.55	T	0.01	0.01	0.00	4.41	-3.56	1.41	1.09	0.50	0.44	0.06	0.06	0.33	0.03	0.10	11.99
Penitencia Rain Gage	13.12	T	0.43	0.00	0.30	4.30	3.67	1.75	1.44	0.56	0.57	0.08	0.02	0.13	0.04	0.10	12.96
Redwood City	14.81	0.00	0.07	0.01	T	4.45	5.17	2.18	1.81	0.24	0.66	0.13	0.09	0.30	0.04	0.10	15.17
San Jose	10.57	T	0.16	T	0.25	3.98	3.20	1.19	0.98	0.36	0.37	0.06	0.02	0.21	T	0.19	10.81
San Jose Decid FFS	11.20	0.00	0.06	0.00	0.15	4.67	3.27	1.24	1.12	0.31	0.33	0.05	T	0.21	0.00	0.13	11.48
Santa Clara Univ	11.97	T	0.07	0.00	0.30	4.67	3.25	1.68	1.13	0.38	0.45	0.04	0.00	0.21	0.00	0.17	12.28
Saratoga Clark	15.30	T	0.10	0.00	0.02	6.62	4.33	1.53	1.85	0.36	0.39	0.08	0.02	0.34	0.00	0.11	15.65
Saratoga Gap Maint	33.79	0.00	0.19	0.12	0.24	13.29	7.85	4.55	4.35	1.40	1.70	0.10	0.00	1.00	0.00	0.31	34.79

\- No record or record incomplete
T Trace
RE Record eode
E Estimated

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation in Inches																	
	Total July 1 To June 30	1965						1966									Total Oct. 1 To Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SAN FRANCISCO BAY AREA																	
SANTA CLARA VALLEY																	
Saratoga Kriege	-	T	-	0.00	0.01	6.94	4.95	1.53	2.14	0.33	0.42	0.07	0.02	0.36	0.01	0.11	16.89
Searsville Lake	21.38	T	0.03	0.03	0.01	6.65	6.74	3.47	3.00	0.61	0.77	0.07	0.00	0.24	0.12	0.08	21.76
Stevens Creek Res	21.26	T	0.00	0.00	0.00	8.98	5.67	2.49	3.11	0.46	0.36	0.10	0.09	0.50	0.12	0.22	22.10
Vasona Reservoir	14.81	T	0.12	0.00	0.00	5.39	4.68	1.74	2.18	0.27	0.32	0.08	0.03	0.31	0.01	0.20	15.21
Wrights	28.56	0.00	0.19	0.00	0.00	10.18	7.77	4.13	4.33	0.28	1.30	0.28	0.10	0.46	0.00	0.39	29.22
BAYSIDE SAN MATEO																	
Burlingame	18.62	0.00	0.23	0.00	0.00	6.18	4.80	3.09	3.25	0.54	0.41	0.12	0.00	0.00	0.09	0.10	18.58
San Francisco WB AP	17.74	T	0.29	T	T	5.40	5.02	2.70	3.18	0.59	0.40	0.12	0.04	0.03	0.09	0.08	17.65
San Francisco FOB	16.33	0.02	0.49	T	0.01	4.79	3.51	3.27	2.72	0.80	0.36	0.19	0.17	0.06	0.10	0.10	16.08
San Mateo	14.30	0.00	0.16	0.00	0.00	5.55	2.54	2.28	2.34	0.77	0.45	0.21	0.00	0.80	0.06	0.00	15.00
COAST SAN MATEO																	
Half Moon Bay	19.64	T	0.23	T	T	5.58	4.96	3.77	3.51	0.68	0.71	0.20	T	0.12	0.27	0.25	20.05
La Honda	23.72	0.00	0.18	0.04	0.39	7.63	5.64	3.50	3.54	1.16	1.28	0.21	0.15	0.12	0.10	0.12	23.84
Portola State Park	31.36	0.03	0.08	0.03	0.19	11.40	7.30	5.46	4.83	0.66	1.26	0.08	0.04	T	0.25	0.27	31.74
San Francisco Sunset	18.74	T	1.20	0.00	T	5.19	3.81	3.35	3.30	0.70	0.72	0.25	0.22	0.02	0.31	0.10	17.97
San Gregorio 2 SE	20.95	0.02	0.25	0.03	0.22	6.03	5.68	3.88	2.57	0.85	0.96	0.30	0.16	0.11	0.22	0.17	21.15

\- No record or record incomplete
T Trace

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																
	Total July 1 To June 30	1965						1966									Total Oct. 1 To Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
NORTH COASTAL AREA																	
MENDOCINO COAST																	
Boonville HMS	35.72	0.00	0.38	0.00	0.50	11.21	5.80	8.72	5.67	2.16	1.22	0.06	T	0.00	0.20	0.15	35.69
Boonville-Farrer	37.92	0.07	0.64	0.00	T	16.03	7.23	5.48	4.29	2.93	1.25	T	T	T	0.30	0.23	37.74
Cloverdale 11 W	57.77E	0.00	0.45	0.00	0.34	15.54	9.38	16.86E	7.68	4.57	2.63	0.25	0.07E	0.00	0.23	0.11	57.66E
Fort Bragg	34.90	0.11	0.24	0.14	0.73	10.31	3.94	8.39	4.83	3.71	2.18	0.22	0.10	0.03	0.22	0.44	35.10
Fort Bragg Aviation	33.14E	0.08	0.24E	0.04	0.58	10.08	3.90	8.22	4.72	3.34	1.60	0.27	0.07	0.03	0.16	0.42	33.39
Fort Ross	35.32	0.16	0.38	0.06	0.39	10.53	4.02	8.15	6.40	3.27	1.49	0.34	0.13	T	0.26	0.21	35.19
Navarro 1 NW	32.53	0.00	0.45	0.00	0.30	8.66	5.13	9.71	4.18	2.52	1.55	0.03	0.00	0.00	0.10	0.45	32.63
Philo 2 NW	35.73	0.06	0.44	0.00	0.14	10.20	5.74	10.27	4.97	2.61	1.30	0.00	0.00	0.00	0.00	0.25	35.48
Philo 4 NW	35.83	0.09	0.33	0.00	0.33	10.40	5.40	9.31	5.48	2.97	1.47	0.02	0.03	0.00	0.27	0.24	35.92
Point Arena	34.67	0.23	0.27	0.11	0.48	9.01	5.34	8.38	5.54	3.79	1.33	0.14	0.05	0.06	0.29	0.19	34.60
Skaggs Spr Las Lomas	61.49	0.02	0.60	0.00	0.35	17.16	11.53	14.91	9.86	3.96	2.44	0.59	0.07	0.00	1.38	0.20	62.45
Yorkville	46.70	0.03	0.47	0.0	0.3	14.0	7.7	12.2	7.0	3.2	1.7	0.1	0.0	0.0E	0.1E	0.1E	46.40E
RUSSIAN RIVER																	
Alpine Dam	40.95	0.00	0.46	0.00	0.28	7.91	5.61	13.99	8.44	2.28	1.75	0.12	0.11	0.00	0.27	0.07	40.83
Blakes Landing	26.20	0.00	0.35	0.00	0.20	6.87	3.84	8.99	3.52	1.26	0.87	0.20	0.10	0.00	0.20	0.15	26.20
Bon Tempe Dam	32.52	0.00	0.42	0.00	0.00	7.43	5.36	10.33	6.73	0.94	1.11	0.10	0.10	0.00	0.14	0.07	32.31
Cazadero	73.37	0.02	0.35	T	0.33	17.42	11.59	24.56	11.00	4.88	2.18	0.85	0.19	T	0.21	0.13	73.34
Cloverdale 3 SSE	47.87	0.03	0.50	0.00	0.13	15.96	7.57	11.88	7.26	2.66	1.50	0.29	0.09	0.00	0.09	0.12	47.55
Coyote Dam	31.10	0.00	0.62	0.00	0.35	9.73	3.95E	8.94E	4.68	1.56	1.24	0.03	T	0.00	0.46	0.13	31.07
Geyserville Hocking	-	0.03	0.50E	0.00	0.12E	11.43	6.66	-	-	-	-	-	-	-	-	-	-
Graton	35.35	0.02	0.32	0.00	0.33	10.00	4.92	11.27	5.28	1.57	1.33	0.20	0.11	0.00	0.24	0.30	35.55
Graton 1 W	35.97	0.01	0.45	0.00	0.28	10.16	5.00	11.35	5.56	1.49	1.41	0.16	0.10	0.00	0.24	0.29	36.04
Guerneville	43.29	T	0.40	0.00	0.26	12.22	6.95	12.64	5.78	2.93	1.83	0.18	0.10	0.00	0.12	0.17	43.18
Healdsburg	40.06	0.04	0.49	0.00	0.11	12.42	6.61	11.33	6.29	1.34	1.25	0.13	0.05	T	0.11	0.11	39.75
Healdsburg 2 E	38.17	0.04	0.52	0.00	0.15	11.51	6.16	10.70	6.19	1.41	1.25	0.14	0.10	0.00	0.20	0.13	37.94
Hopland Largo Sta	32.28	0.02	0.55	T	0.14	10.91	5.16	7.66	4.82	1.76	1.15	0.11	T	0.00	0.05	0.25	32.01
Inverness Mery	32.55	0.00	0.50	0.00	0.25	7.60	4.70	10.70	5.60	1.85	1.15	0.10	0.10	T	0.40	0.40	32.85
Kellogg	43.33	T	0.74	0.01	0.32	11.35	6.65	12.10	6.12	2.36	3.32	0.22	0.14	0.00	0.34	0.77	43.69
Kent Lake	46.76	0.00	0.54	0.00	0.15	9.42	7.11	16.01	8.23	2.89	2.05	0.21	0.15	0.00	0.27	0.42	46.91
Knights Valley	36.56E	0.01E	0.60E	T	0.23	11.13E	5.81	10.42	4.62	1.28	2.23E	0.15E	0.08E	0.00E	0.39E	0.47	36.81E
Lagunitas Lake	43.90	0.00	0.65	0.00	0.20	10.07	6.94	15.46	8.03	1.08	1.16	0.19	0.12	0.00	0.25	0.67	44.17
Mt Tamalpais 2 SW	33.34	0.00	0.68	0.00	0.85	6.80	5.15	8.36	6.33	3.23	1.34	0.30	0.30	0.00	0.13E	0.08E	32.87E
Nicasio	30.57	0.00	0.33	0.00	0.00	8.26	4.70	9.85	5.62	0.81	0.85	0.15	0.00	0.00	0.00	0.18	30.42

- No record or record incomplete
T Trace
E Estimated

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation in Inches																	
	Total July 1 To June 30	1965						1966									Total Oct. 1 To Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.	
NORTH COASTAL AREA																	
RUSSIAN RIVER																	
Novato 8 WNW	23.34E	0.00	0.34	0.00	0.07	6.68	3.92	6.19	3.33	1.84E	0.69	0.10	0.18	0.00	0.28	0.21	23.49E
Occidental	50.96	0.00	0.58	0.00	0.40	13.92	6.41	15.83	7.84	3.28	2.34	0.13	0.23	0.00	0.32	0.27	50.97
Potter Valley 3 SE	24.33	0.00	0.56	0.00	0.22	7.78	2.06	6.49	3.27	1.81	2.10	0.04	0.00	0.00	0.46	0.25	24.48
Potter Valley PH	39.38	0.00	0.66	0.00	0.40	10.88	5.49	11.66	5.02	2.89	2.38	0.00	0.00	0.00	0.45	0.06	39.23
Redwood Valley	30.10E	0.05	0.54	0.00	0.28	9.43	4.33	7.84E	4.28E	1.67E	1.61	0.07	0.00	0.00	0.37	0.07	29.95E
Santa Rosa Sewage Plt	24.15	0.03	0.51	0.00	0.23	6.90	3.21	7.24	3.33	0.95	1.44	0.19	0.12	0.00	0.13	0.27	24.01
Santa Rosa	25.13	0.01	0.50	0.00	0.23	6.11	3.74	8.62	3.30	0.97	1.31	0.21	0.13	0.00	0.12	0.35	25.09
Sebastopol 4 SSE	27.4E	0.0	0.4	0.0	0.3	7.9	4.1E	7.9E	3.6	1.0	1.1	0.1	1.0E	0.0	0.2	0.1	27.3E
The Geysers	50.73	0.03	0.46	0.00	0.21	15.44	9.75	13.37	7.18	1.99	1.95	0.26	0.09	0.00	0.00	0.15	50.39
Ukiah	35.46	0.02	0.57	T	0.23	10.40	6.34	9.78	4.67	1.94	1.47	0.03	0.01	0.00	0.34	0.11	35.32
Ukiah 4 WSW	42.05	0.01	0.52	T	0.50	11.80	6.54	11.80	5.15	3.61	1.99	0.06	0.07	T	0.41	0.21	42.14
Venado	-	0.00	0.51E	0.00	0.23	15.57	8.21E	-	-	-	2.09	0.28	0.10	0.00	0.26	0.15	-
Woodacre	36.60	T	0.48	0.00	0.03	8.16	7.40	11.31	7.09	0.79	1.09	0.10	0.15	0.01	0.21	0.33	36.67

- No record or record incomplete
T Trace
E Estimated

Temperature Data

The definition of terms and the abbreviations used in connection with temperature data are as follows:

Maximum - The highest temperature of record for the month.

Minimum - The lowest temperature of record for the month.

Avg Max - The arithmetic average of daily maximum temperatures for the month.

Avg Min - The arithmetic average of daily minimum temperatures for the month.

Average - The arithmetic average of the daily maximum and minimum temperatures for the month.

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1965						1966								
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.
CENTRAL COASTAL AREA																
SANTA CRUZ COAST																
BEN LOMOND	Maximum	88	90	88	87	71										
	Minimum	49	53	45	38	31										
	Avg Max	79.2	80.7	74.1	76.1	59.4										
	Avg Min	52.9	55.2	52.0	46.6	43.5										
	Average	66.1	68.0	63.1	61.4	51.5	RE									
BEN LOMOND #2	Maximum							69	69	91	91	92	101	97	98	96
	Minimum							21	21	27	30	34	31	42	42	38
	Avg Max							60.0	59.7	67.7	75.9	74.7	83.2	83.8	85.8	84.9
	Avg Min							32.7	34.8	38.1	40.0	43.2	44.4	46.4	48.1	44.1
	Average						RB	46.4	47.3	52.9	58.0	59.0	63.8	65.1	67.0	64.5
DAVENPORT	Maximum	68	78	70	95	69	71	68	65	75	77	63	74	80	73	87
	Minimum	46	50	47	46	41	37	37	40	34	41	43	43	45	46	46
	Avg Max	61.7	66.5	64.4	71.5	62.2	57.4	57.2	55.5	58.3	62.5	58.9	62.3	62.0	63.0	67.2
	Avg Min	50.4	53.5	51.5	52.9	49.8	43.7	43.9	43.4	44.0	44.8	48.0	48.9	49.7	50.1	52.2
	Average	56.1	60.0	58.0	62.2	56.0	50.6	50.6	49.4	51.2	53.6	53.4	55.6	55.8	56.6	59.7
SANTA CRUZ	Maximum	83	98	89	102	77	73	67	70	88	89	84	87	90	86	97
	Minimum	40	48	40	39	34	25	26	28	28	36	39	38	44	42	41
	Avg Max	74.7	79.7	75.8	80.6	65.5	58.8	59.5	59.8	65.1	70.8	69.1	76.5	76.0	74.4	78.6
	Avg Min	50.4	52.6	48.5	47.7	44.8	35.1	36.3	37.0	40.4	43.9	46.6	47.0	48.5	50.4	49.3
	Average	62.6	66.2	62.2	64.2	55.2	47.0	47.9	48.4	52.8	57.4	57.9	61.8	62.3	62.4	64.0
PAJARO-SAN BENITO RIVERS																
GILROY	Maximum	95	98	92	96	76	68	67	73	82	93	97	106	97	102	98
	Minimum	47	51	41	39	33	23	23	27	28	37	41	40	47	47	43
	Avg Max	85.3	88.4	80.7	83.4	65.7	55.8	58.8	60.3	67.6	77.4	77.8	84.7	85.2	89.4	84.6
	Avg Min	52.6	55.3	49.2	46.2	42.7	32.1	32.4	35.8	41.2	45.0	46.7	49.9	51.1	53.1	50.8
	Average	69.0	71.9	65.0	64.8	54.2	44.0	45.6	48.1	54.4	61.2	62.3	67.3	68.2	71.3	67.7
QUIEN SABE - HAY CAMP	Maximum	95	93	90	94	-	-	68	74	89	88	90	100	96	98	96
	Minimum	39	42	33	32	-	-	16	18	21	25	31	32	39	43	34
	Avg Max	84.5	86.1	77.9	82.0	-	-	58.1	58.4	67.3	75.2	76.8	80.6	83.8	89.0	81.9
	Avg Min	46.9	50.0	40.7	39.2	-	-	29.1	30.2	35.0	36.3	41.4	44.2	46.6	50.6	45.6
	Average	65.7	68.1	59.3	60.6	-	-	43.6	44.3	51.2	55.8	59.1	62.4	65.2	69.8	63.8
WATSONVILLE WATERWKS	Maximum	75	92	83	96	74	71	67	72	80	89	74	87	80	87	96
	Minimum	48	49	41	38	36	26	28	30	28	36	40	39	47	48	41
	Avg Max	68.4	73.4	70.0	78.2	65.0	57.5	59.2	59.0	62.0	68.9	64.9	71.3	69.5	70.1	74.3
	Avg Min	51.6	53.9	49.7	47.6	44.8	34.5	35.6	37.9	42.3	46.0	48.3	48.8	51.0	51.7	51.1
	Average	60.0	63.7	59.9	62.9	54.9	46.0	47.4	48.5	52.2	57.5	56.6	60.1	60.3	60.9	62.7

RE Record ends
RB Record begins
\- No record or record incomplete

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1965						1966								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
LOWER SALINAS RIVER																
FREMONT PEAK STATE PARK	Maximum	102	102	91	94	76	84	66	68	87	87	94	100	97	100	96
	Minimum	45	46	42	37	30	22	27	22	26	36	38	38	40	41	42
	Avg Max	88.3	87.2	78.2	82.0	61.9	58.5	52.5	52.7	66.4	71.9	69.8	80.7	83.4	89.4	80.1
	Avg Min	60.2	60.7	56.1	55.7	41.3	38.0	36.0	39.6	41.2	46.7	47.3	54.5	58.5	62.7	54.2
	Average	74.3	74.0	67.2	68.8	51.6	48.3	44.2	46.3	53.8	59.3	58.6	67.6	71.0	76.1	67.2
KING CITY	Maximum	93	98	93	96	78	72	68	75	91	95	97	104	93	95	97
	Minimum	44	46	39	35	30	21	21	24	25	35	39	37	42	43	40
	Avg Max	81.9	84.8	80.0	85.3	67.0	59.4	61.3	62.3	70.9	78.9	78.5	83.5	82.7	84.2	84.0
	Avg Min	51.3	53.7	47.0	45.1	42.9	32.6	32.7	34.0	39.1	43.4	46.8	48.3	48.8	51.0	48.1
	Average	66.6	69.3	63.5	65.2	55.0	46.0	47.0	48.2	55.0	61.2	62.7	65.9	65.8	67.6	66.1
MONTEREY	Maximum	72	83	84	95	72	72	64	69	77	87	77	88	83	81	94
	Minimum	46	50	48	45	39	34	34	38	35	43	44	43	47	47	48
	Avg Max	64.2	70.0	69.2	73.6	64.6	57.6	58.7	58.6	61.1	65.7	61.9	67.9	66.4	67.6	72.2
	Avg Min	51.3	54.0	53.1	54.3	49.1	41.8	42.6	43.1	44.5	47.8	48.2	49.8	51.3	51.8	53.3
	Average	57.8	62.0	61.2	64.0	56.9	49.7	50.7	50.9	52.8	56.8	55.1	58.9	58.9	59.7	62.8
PINNACLES NATIONAL MON	Maximum	101	103	98	101	80	78	69	72	93	94	97	105	105	107	104
	Minimum	41	43	38	36	30	21	21	24	23	32	37	28	35	43	37
	Avg Max	94.1	94.7	85.5	86.9	66.4	59.0	60.3	59.9	70.7	80.8	83.9	89.5	92.8	98.8	89.2
	Avg Min	48.3	51.8	44.7	45.5	41.4	31.8	32.1	32.8	36.8	40.5	44.0	46.0	46.6	51.2	47.5
	Average	71.2	73.3	65.1	66.2	53.9	45.4	46.2	46.4	53.8	60.7	64.0	67.8	69.7	75.0	68.4
PRIEST VALLEY	Maximum	99	103	94	97	78	76	65	66	86	87	92	104	102	103	100
	Minimum	40	39	30	26	21	15	14	15	16	25	31	29	38	36	31
	Avg Max	92.1	93.0	82.1	82.7	61.4	54.1	55.1	54.9	65.8	75.8	79.3	87.2	90.8	95.3	85.4
	Avg Min	47.7	48.8	38.3	35.3	35.4	26.7	24.8	25.3	30.3	34.2	40.1	44.0	46.0	50.7	41.6
	Average	69.9	70.9	60.2	59.0	48.4	40.4	40.0	40.1	48.1	55.0	59.7	65.6	68.4	73.0	63.5
SALINAS 2 E	Maximum	76	88	90	97	76	72	68	72	83	90	77	90	87	86	99
	Minimum	50	50	44	39	36	27	27	29	28	39	41	43	46	49	45
	Avg Max	70.0	75.3	73.8	78.5	66.4	58.3	60.7	60.0	64.8	69.9	66.8	72.0	70.9	72.4	76.5
	Avg Min	53.0	54.6	51.1	49.7	45.4	36.4	36.7	38.6	41.8	47.1	49.2	50.3	51.9	53.2	52.0
	Average	61.5	65.0	62.5	64.1	55.9	47.4	48.7	49.3	53.3	58.5	58.0	61.2	61.4	62.8	64.3
SALINAS de DAMPIERRE	Maximum	72	86	83	92	-	69	-	70	76	83	73	83	-	86	85
	Minimum	48	51	40	38	-	24	-	28	28	35	35	39	-	51	41
	Avg Max	65.7	70.0	67.3	73.9	-	56.7	-	57.5	61.0	63.4	60.6	65.5	-	69.6	68.0
	Avg Min	53.4	55.2	49.2	46.8	-	35.6	-	36.5	39.9	43.4	46.4	46.7	-	55.4	50.9
	Average	59.6	62.6	58.2	60.4	-	46.2	-	47.0	50.4	53.4	53.5	56.1	-	62.5	59.4

- No record or record incomplete

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1965						1966								
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
LOWER SALINAS RIVER																
SALINAS FAA AIRPORT	Maximum	76	88	91	99	76	70	68	73	83	96	78	89	86	85	97
	Minimum	50	51	45	41	35	29	27	29	29	36	42	44	47	49	42
	Avg Max	69.0	73.9	73.9	78.9	65.8	58.2	60.6	60.1	66.0	72.9	65.9	70.1	69.8	70.9	74.6
	Avg Min	52.5	55.5	52.4	50.8	45.6	36.6	37.2	37.6	42.5	48.4	48.8	50.3	52.0	52.6	51.4
	Average	60.8	64.7	63.2	64.9	55.7	47.4	48.9	48.9	54.3	60.7	57.4	60.2	60.9	61.8	63.0
SOLEDAD CTF	Maximum	78	92	91	96	78	72	67	71	88	95	88	98	84	89	97
	Minimum	44	47	40	37	36	27	26	27	31	37	40	39	44	46	41
	Avg Max	72.8	76.9	74.9	81.5	65.3	57.5	59.5	60.0	66.3	73.1	69.6	75.1	73.7	76.4	76.9
	Avg Min	50.2	52.8	48.1	46.8	44.9	35.2	34.9	36.4	40.4	44.9	47.1	48.1	49.8	51.7	49.9
	Average	61.5	64.9	61.5	64.2	55.1	46.4	47.2	48.2	53.4	59.0	58.4	61.6	61.8	64.0	63.4
SPRECKELS	Maximum	75	83	90	96	77	75	71	74	82	82	78	88	80	84	98
	Minimum	41	42	40	41	35	25	25	26	27	37	40	40	46	46	47
	Avg Max	-	-	-	80.1	68.2	62.5	-	-	-	-	-	74.3	-	73.0	76.8
	Avg Min	-	-	-	47.8	42.9	34.9	-	-	-	-	-	51.7	-	50.8	50.8
	Average	-	-	-	64.0	55.6	48.7	-	-	-	-	-	63.0	-	61.9	63.8
UPPER SALINAS RIVER																
ATASCADERO HMS	Maximum	102	102	90	94	86	74	68	75	85	92	96	106	102	105	100
	Minimum	46	50	42	36	32	18	24	23	24	36	40	40	45	44	41
	Avg Max	89.8	94.2	80.2	82.2	65.8	59.4	58.8	61.9	70.2	78.5	80.5	88.5	89.7	95.5	85.6
	Avg Min	53.4	57.6	47.4	44.1	43.9	30.3	29.9	31.2	37.6	44.1	47.4	52.0	52.6	56.0	51.0
	Average	71.6	75.9	63.8	63.2	54.9	44.8	44.4	46.6	53.9	61.3	63.9	70.3	71.2	75.8	68.3
LINN RANCH	Maximum	100	100	93	97	-	-	63	66	83	89	92	102	101	104	96
	Minimum	46	48	41	36	-	-	24	25	25	37	40	43	47	50	43
	Avg Max	90.5	92.7	80.8	83.1	-	-	54.8	57.7	67.7	75.9	78.1	87.3	90.4	94.0	83.3
	Avg Min	53.7	58.2	49.5	44.9	-	-	32.5	34.5	39.2	44.4	47.5	53.0	53.7	59.0	51.9
	Average	72.1	75.5	65.2	64.0	-	-	43.7	46.1	53.5	60.2	62.8	70.2	72.1	77.0	67.6
NACIMIENTO DAM	Maximum	103	104	100	100	86	72	66	69	90	94	97	107	105	109	102
	Minimum	43	47	41	36	31	22	24	24	27	35	38	36	44	42	40
	Avg Max	94.4	97.0	84.8	87.1	66.7	57.5	58.1	59.6	70.5	80.3	82.5	90.3	93.3	98.6	85.2
	Avg Min	50.2	54.2	47.2	45.5	43.3	33.1	32.6	33.3	37.9	43.4	44.5	48.4	48.6	51.4	49.2
	Average	72.3	75.6	66.0	66.3	55.0	45.3	45.4	46.5	54.2	61.9	63.5	69.4	71.0	75.0	67.2
PASO ROBLES	Maximum	101	101	97	96	80	75	68	73	90	92	96	105	105	105	98
	Minimum	40	46	35	30	29	19	20	22	22	32	35	36	39	40	35
	Avg Max	90.8	94.8	83.7	86.9	66.9	58.6	59.0	61.3	71.1	80.6	79.0	88.6	92.1	95.0	87.0
	Avg Min	48.4	52.8	42.6	39.2	40.6	30.1	30.3	31.8	37.1	39.4	44.0	48.0	47.1	49.0	46.8
	Average	69.6	73.8	63.2	63.1	53.8	44.4	44.7	46.6	54.1	60.0	61.5	68.3	69.6	72.0	66.9

- No record or record incomplete

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1965						1966								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
UPPER SALINAS RIVER																
PASO ROBLES FAA AP	Maximum	104	105	98	96	79	69	66	73	91	94	101	111	109	110	104
	Minimum	42	48	39	34	30	22	22	24	24	35	39	41	46	48	43
	Avg Max	92.5	96.4	83.5	85.8	65.8	57.4	57.2	60.4	70.9	80.0	81.1	91.3	94.1	98.3	87.2
	Avg Min	51.6	54.8	46.6	43.3	41.8	31.1	30.5	31.8	37.1	42.9	47.3	51.8	52.3	54.7	51.1
	Average	72.1	75.6	65.1	64.6	53.8	44.3	43.9	46.1	54.0	61.5	64.2	71.6	73.2	76.5	69.2
SAN ANTONIO MISSION	Maximum	105	103	98	100	80	72	68	69	91	93	95	107	105	110	107
	Minimum	41	40	38	32	30	21	19	20	22	33	35	31	39	39	35
	Avg Max	96.8	97.5	87.6	89.2	65.9	58.7	60.1	60.2	71.5	80.4	85.4	91.6	94.5	101.2	90.8
	Avg Min	48.9	51.5	42.4	40.8	40.0	29.1	28.5	31.1	34.9	38.3	41.7	45.3	46.2	50.0	45.2
	Average	72.9	74.5	65.0	65.0	53.0	43.9	44.3	45.7	53.2	59.4	63.6	68.5	70.4	75.6	68.0
TEMPLETON	Maximum	103	103	96	97	77	74	67	71	90	94	97	106	103	107	100
	Minimum	42	46	48	34	32	21	20	24	25	37	38	37	41	41	39
	Avg Max	85.2	92.1	80.4	85.1	64.7	57.9	57.3	58.6	69.5	76.1	75.4	87.1	89.0	92.8	85.1
	Avg Min	50.3	53.9	45.3	41.6	43.1	32.3	32.4	33.3	38.7	42.9	45.3	49.2	50.2	52.8	48.2
	Average	67.8	73.0	62.9	63.3	53.9	45.1	44.8	45.5	54.1	59.5	60.4	68.2	69.6	72.8	66.6
MONTEREY COAST																
CARMEL VALLEY	Maximum	79	93	94	99	78	78	70	71	87	94	85	95	91	94	101
	Minimum	37	41	40	37	34	25	24	26	28	33	35	-	41	40	40
	Avg Max	73.4	79.5	76.4	82.3	67.9	61.0	61.8	60.8	65.8	72.7	70.3	77.2	75.4	79.9	81.0
	Avg Min	46.2	49.7	46.4	48.2	42.4	34.5	34.3	35.6	38.2	43.2	44.5	47.3	47.4	49.5	49.6
	Average	59.8	64.6	61.4	65.3	55.2	47.8	48.1	48.2	52.0	58.0	57.4	62.3	61.4	64.5	65.3
ROOSEVELT RANCH	Maximum	77	88	81	89	72	61	68	65	77	84	82	87	84	85	87
	Minimum	51	52	53	52	48	42	42	42	38	48	42	48	51	52	52
	Avg Max	68.6	77.5	69.0	76.1	62.3	55.9	58.2	57.5	62.1	65.8	63.7	71.0	71.6	72.6	73.6
	Avg Min	54.1	60.8	56.5	62.4	53.9	47.0	48.0	46.9	49.3	52.0	51.1	57.9	56.7	57.5	58.7
	Average	61.4	69.2	62.8	69.3	58.1	51.4	53.1	52.2	55.7	58.9	57.4	64.4	64.2	65.1	66.2

- No record or record incomplete

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1965						1966								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
SAN FRANCISCO BAY AREA																
MARIN-SONOMA																
KENTFIELD	Maximum	85	95	89	93	75	65	70	66	77	87	89	104	91	96	97
	Minimum	44	47	42	44	34	27	29	31	30	38	41	43	46	46	47
	Avg Max	78.4	83.2	76.2	79.8	63.4	51.9	56.7	58.5	63.1	73.3	72.9	81.8	80.9	83.3	82.9
	Avg Min	49.5	53.2	47.9	49.9	47.4	36.2	37.3	38.9	42.2	45.3	46.4	50.9	50.0	51.1	52.6
	Average	64.0	68.2	62.1	64.9	55.4	44.1	47.0	48.7	52.7	59.3	59.7	66.4	65.5	67.2	67.8
PETALUMA FIRE STA #2	Maximum	93	96	93	93	78	61	72	69	83	89	91	100	93	100	100
	Minimum	44	49	39	42	30	24	26	28	26	35	38	40	45	43	44
	Avg Max	80.2	84.2	79.2	81.8	64.4	52.0	58.5	59.1	63.6	73.1	72.1	79.9	79.6	83.5	81.2
	Avg Min	50.5	53.2	49.8	47.8	46.6	34.2	37.0	37.5	41.1	43.7	46.5	50.0	49.9	51.2	52.2
	Average	65.4	68.7	64.5	64.8	55.5	43.1	47.8	48.3	52.4	58.4	59.3	65.0	64.8	67.4	66.7
SAN RAFAEL	Maximum	86	95	90	92	76	62	73	66	87	90	91	102	91	92	97
	Minimum	42	49	46	47	37	30	31	34	31	42	39	45	48	47	48
	Avg Max	79.2	84.2	77.7	82.3	65.3	54.2	60.7	60.8	65.5	76.7	76.0	81.6	80.1	83.0	82.0
	Avg Min	51.3	54.0	50.2	52.7	48.7	38.3	40.7	41.5	43.8	47.2	48.0	53.0	52.0	53.2	55.3
	Average	65.3	69.1	64.0	67.5	57.0	46.3	50.7	51.2	54.7	62.0	62.0	67.3	66.1	68.1	68.7
SONOMA	Maximum	99	99	95	95	78	63	71	68	89	93	93	106	100	105	102
	Minimum	42	44	34	37	28	22	24	26	24	33	37	36	42	43	41
	Avg Max	87.5	87.9	82.0	84.1	64.6	52.8	59.1	60.9	66.7	77.4	77.9	86.1	85.7	90.4	86.5
	Avg Min	47.7	50.3	44.6	43.1	42.6	32.5	34.7	35.3	39.9	42.4	44.5	46.6	47.2	49.1	47.7
	Average	67.6	69.1	63.3	63.6	53.6	42.7	46.9	48.1	53.3	59.9	61.2	66.4	66.5	69.8	67.1
NAPA-SOLANO																
ANGWIN PACIFIC UNION C	Maximum	97	94	89	92	78	60	62	61	79	83	87	102	96	101	98
	Minimum	42	49	42	38	32	29	26	28	25	38	37	35	42	42	40
	Avg Max	85.1	85.3	76.1	77.0	56.5	49.0	50.6	50.9	57.5	70.5	74.1	82.6	83.8	88.6	80.6
	Avg Min	51.9	54.6	48.0	51.9	43.0	35.3	36.5	35.6	40.4	47.4	46.9	51.9	50.5	54.3	51.3
	Average	68.5	70.0	62.1	64.5	49.8	42.2	43.6	43.3	49.0	59.0	60.5	67.3	67.2	71.5	66.0
CALISTOGA	Maximum	97	95	94	101	77	65	70	71	84	89	93	105	98	103	105
	Minimum	41	45	33	35	26	18	21	24	20	31	34	34	40	40	37
	Avg Max	88.0	89.3	82.2	84.9	63.7	53.9	57.8	58.9	64.3	76.0	78.7	87.9	88.4	92.2	87.1
	Avg Min	47.6	50.2	44.4	41.8	41.4	30.5	32.9	33.5	38.1	42.3	41.2	46.4	46.8	49.0	46.6
	Average	67.8	69.8	63.3	63.4	52.6	42.2	45.4	46.2	51.2	59.2	60.0	67.2	67.6	70.6	66.8
DENVERTON 1 SOUTH	Maximum	98	97	94	93	72	57	65	64	90	96	97	110	101	103	100
	Minimum	50	-	42	40	31	22	25	28	26	42	44	52	53	53	50
	Avg Max	88.6	89.6	83.5	80.6	62.6	48.9	55.3	58.6	66.8	84.4	82.3	86.9	93.3	89.3	85.0
	Avg Min	54.4	57.9	50.2	48.9	44.9	34.3	34.9	37.7	43.4	49.8	52.2	57.9	59.4	58.1	55.8
	Average	71.5	73.8	66.9	64.8	53.8	41.6	45.1	48.2	55.1	67.1	67.3	72.4	76.4	73.7	70.4

- No record or record incomplete

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1965						1966								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
NAPA-SOLANO																
DUTTONS LANDING	Maximum	84	90	87	95	84	62	69	64	76	89	90	101	86	91	100
	Minimum	47	50	42	43	34	26	25	31	33	32	40	42	43	40	42
	Avg Max	74.1	78.5	73.9	78.3	64.2	50.6	56.3	57.9	63.0	73.8	70.4	78.9	75.5	77.3	79.0
	Avg Min	50.8	54.6	48.4	48.2	43.9	34.5	36.1	37.0	41.1	43.9	46.8	52.0	50.7	51.8	50.4
	Average	62.5	66.6	61.2	63.3	54.1	42.6	46.2	47.5	52.1	58.9	58.6	65.5	63.1	64.6	64.7
FAIRFIELD POLICE STA	Maximum	97	97	92	93	78	57	70	68	89	90	93	103	95	99	100
	Minimum	50	54	43	43	31	21	26	30	29	40	46	44	48	51	49
	Avg Max	86.6	87.9	81.3	84.3	65.2	50.5	58.4	59.9	66.3	77.2	78.3	83.4	79.5	87.6	86.0
	Avg Min	54.3	57.8	51.3	49.5	46.1	33.9	36.8	37.5	43.0	48.3	50.6	54.2	53.7	56.2	56.1
	Average	70.5	72.9	66.3	66.9	55.7	42.2	47.6	48.7	54.7	62.8	64.5	68.8	66.6	71.9	71.1
MARE ISLAND	Maximum	89	91	86	88	72	61	67	62	83	88	83	100	89	90	95
	Minimum	55	57	52	51	40	31	36	37	35	48	51	49	55	56	54
	Avg Max	80.8	81.9	76.2	76.7	63.4	47.7	55.4	57.9	64.3	75.0	70.0	79.1	77.1	77.6	79.1
	Avg Min	58.4	61.4	56.7	57.3	51.5	40.3	43.4	42.6	49.1	53.9	53.9	58.3	58.3	58.4	59.8
	Average	69.6	71.7	66.5	67.0	57.4	44.0	49.4	50.2	56.7	64.4	62.0	68.7	67.7	68.0	69.4
NAPA STATE HOSPITAL	Maximum	89	96	91	98	76	59	70	67	86	90	93	105	96	98	102
	Minimum	45	50	40	41	31	24	27	30	27	37	42	39	47	48	45
	Avg Max	80.8	84.1	78.0	83.1	65.4	53.5	58.6	60.4	65.5	75.6	75.0	83.6	80.2	83.1	83.4
	Avg Min	50.5	54.6	48.3	47.8	45.2	34.5	37.3	38.3	41.8	46.0	47.7	52.2	51.5	52.8	52.1
	Average	65.7	69.4	63.2	65.5	55.3	44.0	48.0	49.4	53.7	60.8	61.4	67.9	65.9	68.0	67.8
SAINT HELENA	Maximum	100	98	95	101	78	61	70	71	90	91	92	106	102	106	100
	Minimum	43	47	37	38	29	22	24	27	24	35	39	41	45	46	42
	Avg Max	87.7	88.2	81.3	83.9	63.9	51.8	58.0	59.0	65.7	77.8	77.9	87.5	86.4	91.8	86.1
	Avg Min	50.6	53.5	46.4	45.0	43.6	32.7	34.9	35.5	40.3	45.2	47.0	50.7	50.2	51.8	50.2
	Average	69.2	70.9	63.9	64.5	53.8	42.3	46.5	47.3	53.0	61.5	62.5	69.1	68.3	71.8	68.2
VETERANS HOME	Maximum	94	98	88	94	74	66	68	66	79	90	95	106	96	102	98
	Minimum	44	41	40	40	32	27	28	30	30	42	42	40	48	45	44
	Avg Max	85.7	85.7	79.5	80.5	64.3	54.4	57.3	59.3	65.6	77.4	79.1	88.6	87.2	87.6	84.5
	Avg Min	51.5	57.2	47.3	46.6	45.1	35.3	36.4	37.4	42.9	47.9	48.4	51.3	51.9	53.6	53.2
	Average	68.6	71.5	63.4	63.6	54.7	44.9	46.9	48.4	54.3	62.7	63.8	70.0	69.6	70.6	68.8
YOUNTVILLE GAMBLE	Maximum	89	96	93	102	78	57	-	-	-	-	-	-	-	-	-
	Minimum	38	43	28	32	28	20	-	-	-	-	-	-	-	-	-
	Avg Max	81.0	83.4	78.0	80.8	63.6	51.5	-	-	-	-	-	-	-	-	-
	Avg Min	46.6	49.6	41.9	39.5	41.4	30.8	-	-	-	-	-	-	-	-	-
	Average	63.8	66.5	60.0	60.2	52.5	41.2	-	-	-	-	-	-	-	-	-

- No record or record incomplete

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1965						1966								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
EAST BAY																
ALAMO 1 NORTH	Maximum	98	95	92	89	74	61	63	68	80	87	91	105	102	103	99
	Minimum	43	41	41	43	35	24	26	29	27	38	43	42	36	50	45
	Avg Max	84.7	85.8	78.8	78.9	62.9	49.6	54.9	57.3	64.1	75.2	77.4	84.1	84.2	90.9	83.6
	Avg Min	51.3	53.8	48.2	48.4	44.5	33.6	35.1	35.1	38.7	46.2	47.8	51.3	50.8	55.1	52.6
	Average	68.0	69.8	63.5	63.6	53.7	41.6	45.0	46.2	51.4	60.7	62.6	67.7	67.5	73.0	68.1
BERKELEY	Maximum	72	85	81	86	69	60	67	62	77	86	77	91	-	80	93
	Minimum	43	51	46	48	39	27	32	37	33	46	45	43	-	49	42
	Avg Max	66.7	70.5	67.8	72.1	62.3	52.9	56.5	56.6	60.3	66.8	63.3	70.6	-	68.3	71.9
	Avg Min	51.0	55.4	52.4	53.3	49.2	38.7	42.2	42.5	45.7	49.4	49.9	51.9	-	-	54.1
	Average	58.9	63.0	60.1	62.7	55.8	45.8	49.4	49.6	53.0	58.1	56.6	61.3	-	-	63.0
CROCKETT	Maximum	90	95	89	91	76	64	68	68	75	92	87	101	92	100	98
	Minimum	51	52	46	46	37	28	28	33	31	41	46	46	50	52	50
	Avg Max	80.9	85.0	77.3	79.3	63.9	49.5	56.9	58.5	63.1	74.9	74.4	82.8	81.1	86.1	83.4
	Avg Min	53.6	57.0	52.9	52.1	48.8	36.2	37.3	39.7	44.3	48.3	49.9	54.9	54.2	55.3	55.8
	Average	67.3	71.0	65.1	65.7	56.4	42.9	47.1	49.1	53.7	61.6	62.2	68.9	67.7	70.7	69.6
MARTINEZ FIRE STATION	Maximum	92	95	90	91	74	62	66	64	77	88	91	104	96	101	96
	Minimum	50	52	40	43	35	27	29	32	30	41	45	47	50	53	49
	Avg Max	82.2	85.5	76.9	78.7	63.2	49.3	55.6	58.1	63.3	75.5	74.9	83.1	83.0	86.6	81.9
	Avg Min	53.6	57.3	50.7	49.7	47.3	35.6	36.3	38.5	43.7	48.3	49.9	54.0	54.5	55.9	56.0
	Average	67.9	71.4	63.8	64.2	55.3	42.5	46.0	48.3	53.5	61.9	62.4	68.6	68.8	71.3	69.0
MT DIABLO NORTH GATE	Maximum	100	98	93	96	83	73	65	65	83	87	92	104	104	107	100
	Minimum	46	50	41	41	36	30	29	31	28	38	39	40	46	47	45
	Avg Max	88.4	89.0	78.2	82.5	60.3	54.0	54.6	54.8	62.5	73.3	75.7	83.8	87.4	94.5	85.3
	Avg Min	57.8	60.2	52.9	56.3	46.1	38.6	38.7	37.7	42.3	48.6	48.9	54.2	57.5	63.9	55.9
	Average	73.1	74.6	65.6	69.4	53.2	46.3	46.7	46.3	52.4	61.0	62.3	69.0	72.5	79.2	70.6
OAKLAND CITY HALL	Maximum	73	88	87	88	74	59	71	66	80	87	78	98	85	80	97
	Minimum	51	55	50	53	44	33	37	41	37	49	50	50	51	51	53
	Avg Max	67.9	72.4	70.6	73.0	63.3	53.0	56.9	57.2	61.5	68.0	64.3	72.0	68.6	68.3	72.2
	Avg Min	55.8	59.2	56.9	57.1	53.4	42.2	45.5	45.8	48.7	52.7	52.3	55.3	55.7	53.5	56.7
	Average	61.9	65.8	63.8	65.0	58.4	47.6	51.2	51.5	55.1	60.4	58.3	63.6	62.2	60.9	64.4
OAKLAND 39TH AVENUE	Maximum	85	91	89	94	72	61	66	63	85	89	88	97	90	92	97
	Minimum	47	51	49	47	40	31	33	35	32	44	45	43	45	48	48
	Avg Max	75.2	78.8	74.6	76.3	62.7	52.7	57.0	58.0	63.6	72.5	70.1	76.8	75.6	78.7	79.0
	Avg Min	50.4	53.7	53.6	54.4	50.0	39.4	42.1	41.9	45.5	49.1	48.6	50.9	51.3	51.3	52.2
	Average	62.8	66.3	64.1	65.4	56.4	46.0	49.6	50.0	54.6	60.8	59.4	63.8	63.4	65.0	65.6

- No record or record incomplete

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1965						1966								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
EAST BAY																
OAKLAND WB AIRPORT	Maximum	75	87	86	87	68	58	69	63	75	88	76	92	86	84	92
	Minimum	53	57	49	51	42	32	35	38	35	48	50	50	53	55	53
	Avg Max	68.0	71.7	70.6	72.7	62.0	52.4	55.9	57.0	60.8	68.3	64.7	70.3	69.2	71.8	73.3
	Avg Min	56.7	60.1	56.7	55.7	52.3	40.6	43.0	44.8	49.2	53.3	53.3	56.6	57.2	58.1	58.6
	Average	62.4	65.9	63.7	64.2	57.2	46.5	49.5	50.9	55.0	60.8	59.0	63.5	63.2	65.0	66.0
PORT CHICAGO NAD	Maximum	95	96	92	91	74	62	68	65	80	89	91	105	96	101	103
	Minimum	45	50	40	39	32	22	23	25	25	34	40	41	49	49	45
	Avg Max	83.7	86.9	78.4	79.6	63.4	49.9	56.5	58.0	64.0	77.2	77.9	86.8	86.2	89.7	84.8
	Avg Min	52.5	54.8	48.2	46.5	43.8	32.2	33.0	33.9	37.8	44.1	47.4	52.2	52.8	53.5	52.3
	Average	68.1	70.9	63.3	63.1	53.6	41.1	44.8	46.0	50.9	60.7	62.7	69.5	69.5	71.6	68.6
RICHMOND	Maximum	75	90	85	91	73	63	69	67	76	87	82	95	81	85	95
	Minimum	51	54	48	49	40	29	33	36	34	45	48	48	53	51	51
	Avg Max	67.5	72.0	70.0	75.9	63.9	53.8	58.7	59.1	62.8	70.2	65.6	72.8	68.7	70.8	74.8
	Avg Min	54.2	57.6	54.2	54.5	50.8	38.3	40.7	42.5	46.8	51.3	51.8	54.9	55.1	55.4	57.3
	Average	60.9	64.8	62.1	65.2	57.4	46.1	49.7	50.8	54.8	60.8	58.7	63.9	61.9	63.1	66.1
SAINT MARYS COLLEGE	Maximum	96	95	88	89	75	55	62	62	85	85	90	103	96	99	96
	Minimum	45	49	37	34	30	20	22	25	23	32	38	40	45	48	42
	Avg Max	81.1	82.2	75.6	79.5	61.7	49.3	55.2	56.1	63.1	73.6	72.8	80.3	78.6	85.6	81.4
	Avg Min	52.3	54.3	49.4	44.0	42.7	31.9	32.8	35.5	39.7	44.3	47.8	51.2	52.9	55.3	52.5
	Average	66.7	68.3	62.5	61.8	52.2	40.6	44.0	45.8	51.4	59.0	60.3	65.8	65.8	70.5	67.0
UPPER SAN LEANDRO FIL	Maximum	77	88	85	90	71	64	65	63	76	89	85	96	85	89	95
	Minimum	46	53	47	44	39	29	28	33	30	43	44	44	49	49	49
	Avg Max	68.8	74.7	71.6	76.6	62.7	53.7	56.5	56.8	61.2	70.4	66.8	73.4	72.2	76.7	76.3
	Avg Min	50.7	54.6	51.4	52.6	47.6	36.5	39.1	38.6	42.3	47.2	47.4	51.0	51.5	52.8	54.1
	Average	59.8	64.7	61.5	64.6	55.2	45.1	47.8	47.7	51.8	58.8	57.1	62.2	61.9	64.8	65.2
WALNUT CREEK 2 ESE	Maximum	98	95	91	91	76	64	65	67	80	90	90	104	102	103	100
	Minimum	45	50	38	34	33	20	22	26	24	36	40	34	44	47	43
	Avg Max	84.7	86.7	78.6	80.7	63.5	51.2	56.3	58.7	64.9	75.9	76.4	83.4	83.5	90.1	83.6
	Avg Min	52.1	54.8	45.8	43.4	42.8	32.3	32.9	32.8	38.3	43.8	45.8	50.1	51.3	52.2	49.6
	Average	68.4	70.8	62.2	62.1	53.2	41.8	44.6	45.8	51.6	59.9	61.1	66.8	67.4	71.2	66.6
ALAMEDA CREEK																
LIVERMORE SEWAGE PLT	Maximum	98	98	94	90	77	65	68	64	82	89	92	106	100	104	100
	Minimum	44	48	38	35	30	21	22	26	24	34	38	40	46	43	44
	Avg Max	86.2	88.2	79.7	81.7	66.4	53.6	59.5	58.0	64.9	75.2	76.8	81.0	82.6	89.7	85.5
	Avg Min	51.9	53.9	47.4	42.9	39.8	31.7	31.8	33.6	37.3	42.7	46.5	55.7	52.2	54.0	51.8
	Average	69.1	71.1	63.6	62.3	53.1	42.6	45.6	45.8	51.1	58.9	61.6	68.4	67.4	71.8	68.6

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1965						1966								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
ALAMEDA CREEK																
LIVERMORE 2 SSW	Maximum	100	99	94	91	81	62	65	66	83	90	92	107	101	105	101
	Minimum	45	49	41	42	32	22	25	28	25	36	39	42	46	51	44
	Avg Max	86.5	88.2	81.4	82.4	64.8	51.6	57.6	57.2	63.8	75.9	77.9	82.5	83.8	91.2	84.1
	Avg Min	51.1	54.6	48.2	46.9	42.9	32.8	32.9	35.0	38.6	43.3	46.1	51.5	51.6	55.0	52.4
	Average	68.8	71.4	64.8	64.7	53.9	42.2	45.3	46.1	51.2	59.6	62.0	67.0	67.7	73.1	68.3
MOUNT HAMILTON	Maximum	87	85	79	85	65	66	58	58	77	77	79	90	87	90	87
	Minimum	44	50	38	35	29	21	21	22	20	33	34	35	44	40	38
	Avg Max	77.3	77.4	68.1	72.5	52.2	47.3	45.6	46.4	52.9	64.7	68.1	73.7	75.7	81.7	72.8
	Avg Min	59.7	61.9	53.7	57.1	40.9	36.0	34.6	33.2	37.8	48.0	48.8	55.1	57.9	65.5	52.2
	Average	68.5	69.7	60.9	64.8	46.6	41.7	40.1	39.8	45.4	56.4	58.5	64.4	66.8	73.6	62.5
NEWARK	Maximum	81	87	84	87	71	62	66	66	73	86	84	97	84	89	94
	Minimum	51	54	49	44	39	30	30	33	32	44	46	49	50	52	49
	Avg Max	72.9	76.5	72.6	75.1	62.5	53.2	56.8	57.4	61.1	71.3	68.1	73.9	71.0	73.2	76.4
	Avg Min	55.4	58.8	54.8	53.2	49.5	38.4	39.4	40.1	45.4	50.5	51.5	54.6	54.2	56.0	55.2
	Average	64.2	67.7	63.7	64.2	56.0	45.8	48.1	48.8	53.3	60.9	59.8	64.3	62.6	64.6	65.8
PLEASANTON NURSERY	Maximum	98	98	91	95	76	63	66	66	86	92	92	104	100	103	100
	Minimum	46	48	38	39	32	22	22	26	26	34	36	40	45	46	42
	Avg Max	87.8	87.8	80.4	81.9	62.8	51.9	57.2	57.6	64.7	75.1	76.0	82.0	83.8	90.5	83.6
	Avg Min	52.3	54.4	47.3	44.7	43.9	33.6	33.6	35.9	39.8	43.6	46.5	50.1	50.6	53.6	50.6
	Average	70.1	71.1	63.9	63.3	53.4	42.8	45.4	46.7	52.3	59.4	61.3	66.1	67.2	72.1	67.1
SANTA CLARA VALLEY																
ALAMITOS PERC POND	Maximum	90	92	91	92	74	62	67	69	80	91	88	100	94	96	97
	Minimum	46	51	43	39	34	26	27	30	28	39	40	40	49	49	46
	Avg Max	80.5	81.6	77.3	77.5	64.0	53.4	37.0	58.6	64.7	74.7	76.2	81.8	81.1	86.3	82.6
	Avg Min	53.0	58.2	50.7	47.3	46.5	35.2	58.0	37.6	43.3	47.1	47.5	51.1	53.2	54.9	52.6
	Average	66.8	69.9	64.0	62.4	55.3	44.3	47.5	48.1	54.0	60.9	61.9	66.4	67.2	70.6	67.6
COYOTE RESERVOIR	Maximum	98	97	90	97	75	67	67	70	86	89					
	Minimum	43	45	30	36	30	21	23	26	27	33					
	Avg Max	86.5	87.5	79.7	82.6	64.4	54.2	56.5	58.0	66.0	73.8					
	Avg Min	48.1	51.2	45.2	43.5	39.8	31.4	33.6	36.1	40.2	43.3					
	Average	67.3	69.4	62.5	63.0	52.1	42.8	45.0	47.1	53.1	58.6	RE				
LEXINGTON RESERVOIR	Maximum	99	95	90	94	75	64	63	66	86	88	90	104	96	101	96
	Minimum	39	43	38	36	26	20	26	26	22	33	36	-	43	42	40
	Avg Max	85.8	86.6	79.1	80.7	63.2	53.1	56.9	57.8	65.7	74.2	75.7	83.2	84.7	89.3	84.0
	Avg Min	50.9	49.1	44.1	42.6	40.7	30.4	35.1	36.1	38.9	47.1	-	-	48.7	50.1	49.0
	Average	68.4	67.9	61.6	61.6	52.0	41.8	46.0	47.0	52.3	60.6	-	-	66.7	69.7	66.5

\- No record or record incomplete
RE Record ends

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1965						1966								
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
SANTA CLARA VALLEY																
LOS GATOS	Maximum	92	93	89	92	75	69	67	67	86	91	94	102	95	97	96
	Minimum	44	50	41	41	33	25	27	29	28	38	40	39	46	49	44
	Avg Max	82.2	83.4	78.0	80.1	65.1	53.8	58.3	58.8	66.2	76.2	77.0	82.4	81.2	86.4	82.5
	Avg Min	52.9	55.8	50.3	48.4	45.1	34.6	36.4	37.1	42.2	45.9	47.7	50.3	51.6	54.3	51.5
	Average	67.6	69.6	64.2	64.3	55.1	44.2	47.4	48.0	54.2	61.1	62.4	66.4	66.4	70.4	67.0
BAYSIDE - SAN MATEO																
SAN FRANCISCO WB AP	Maximum	77	85	83	88	72	59	64	62	76	84	80	95	87	85	93
	Minimum	48	52	47	45	40	30	30	35	31	42	44	45	50	50	50
	Avg Max	68.3	71.3	70.2	73.1	61.7	51.5	55.4	56.2	59.2	67.4	65.9	70.9	68.4	71.7	73.8
	Avg Min	52.3	55.3	51.9	51.9	48.6	38.2	39.7	41.3	43.9	48.3	48.6	51.9	52.6	52.8	54.2
	Average	60.3	63.3	61.1	62.5	55.2	44.9	47.6	48.8	51.6	57.9	57.3	61.4	60.5	62.3	64.0
SAN FRANCISCO F O B	Maximum	69	81	84	90	72	62	68	63	75	84	76	91	79	77	95
	Minimum	48	52	52	51	46	35	41	43	39	47	46	49	49	50	53
	Avg Max	61.9	66.5	66.9	72.5	62.9	53.1	57.7	57.1	59.6	65.2	60.4	66.0	63.8	64.7	70.2
	Avg Min	52.9	55.9	55.4	57.4	53.3	43.5	46.5	46.4	48.0	50.6	49.7	52.8	52.5	52.9	56.9
	Average	57.4	61.2	61.2	65.0	58.1	48.3	52.1	51.8	53.8	57.9	55.1	59.4	58.2	58.8	63.6
SAN MATEO	Maximum	80	89	85	90	74	60	66	65	-	86	81	97	90	90	97
	Minimum	50	52	46	48	42	32	34	37	37	43	42	44	46	47	47
	Avg Max	72.7	76.8	73.5	76.2	63.9	53.4	58.2	58.4	60.6	72.3	69.0	75.5	74.2	78.6	78.4
	Avg Min	55.8	58.3	55.8	56.8	53.1	42.1	45.4	47.0	48.8	50.3	48.4	53.4	54.7	56.7	54.3
	Average	64.3	67.6	64.7	66.5	58.5	47.8	51.8	52.7	54.7	61.3	58.7	64.5	64.5	67.6	66.4
COAST - SAN MATEO																
HALF MOON BAY	Maximum	70	84	74	91	71	62	67	65	72	83	65	74	69	70	89
	Minimum	44	50	42	42	40	34	32	35	32	38	40	43	42	44	45
	Avg Max	62.1	67.0	64.7	71.4	64.1	56.9	59.3	57.9	58.3	65.4	61.6	63.9	62.8	64.4	69.4
	Avg Min	49.8	53.7	52.6	49.4	48.0	39.2	41.4	40.1	42.5	43.0	41.5	47.1	48.6	51.1	49.9
	Average	56.0	60.4	58.7	60.4	56.1	48.1	50.4	49.0	50.4	54.2	51.6	55.5	55.7	57.8	59.7
SAN FRANCISCO RICH SS	Maximum	72	72	81	92	67	61	69	64	67	73	72	74	68	68	96
	Minimum	47	50	48	45	40	28	36	38	38	43	44	45	50	50	50
	Avg Max	61.3	63.6	64.7	71.3	62.6	54.9	60.0	57.3	58.0	63.0	60.8	63.7	62.2	62.0	67.3
	Avg Min	52.7	54.7	55.0	54.5	51.0	41.2	47.5	49.0	48.7	52.6	51.7	53.5	54.0	54.2	55.5
	Average	57.0	59.2	59.9	62.9	56.8	48.1	53.8	53.2	53.4	57.8	56.3	58.6	58.1	58.1	61.4
SAN GREGORIO 2 SE	Maximum	75	87	85	94	73	70	67	66	76	82	75	91	84	80	93
	Minimum	42	44	35	35	38	27	28	32	28	34	35	39	37	40	40
	Avg Max	67.3	71.0	70.3	73.1	64.2	57.8	58.7	57.9	59.5	65.4	63.1	69.2	68.7	70.0	73.4
	Avg Min	49.0	51.1	48.2	47.6	45.9	36.5	38.7	39.3	41.3	43.9	45.2	46.0	48.6	48.3	48.6
	Average	58.2	61.1	59.3	60.4	55.1	47.2	48.7	48.6	50.4	54.7	54.2	57.6	58.7	59.2	61.0

- No record or record incomplete

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1965						1966								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
NORTH COASTAL AREA																
MENDOCINO COAST																
BOONVILLE HMS	Maximum	98	100	94	101	93	74	70	71	83	93	97	110	100	106	107
	Minimum	41	45	33	33	32	20	22	25	27	30	34	40	41	41	39
	Avg Max	88.2	86.2	-	84.6	67.4	59.1	59.9	60.8	66.3	75.7	81.4	82.9	85.4	90.2	88.0
	Avg Min	48.4	51.6	-	43.6	43.0	33.2	35.8	34.7	38.7	40.7	44.0	45.6	49.4	49.4	47.2
	Average	68.3	68.9	-	64.1	55.2	46.2	47.8	47.8	52.5	58.2	62.7	64.3	67.4	69.8	67.6
FORT BRAGG	Maximum	72	71	74	93	71	64	64	60	65	68	68	69	68	70	85
	Minimum	45	49	41	43	38	31	32	28	28	36	39	42	44	44	44
	Avg Max	61.5	65.4	63.2	66.9	62.0	56.7	56.3	55.0	56.9	60.6	60.0	63.2	63.6	62.5	66.5
	Avg Min	49.1	52.1	47.8	48.5	46.8	39.5	39.4	38.5	42.0	44.3	45.1	47.9	49.2	48.3	50.3
	Average	55.3	58.8	55.5	57.7	54.4	48.1	47.9	46.8	49.5	52.5	52.6	55.6	56.4	55.4	58.4
FORT BRAGG AVIATION	Maximum	69	72	75	96	70	62	66	59	62	63	64	70	67	72	77
	Minimum	-	-	36	40	32	27	27	29	-	34	34	38	40	39	41
	Avg Max	59.9	65.6	62.2	65.1	61.5	56.4	55.7	55.5	56.2	58.8	58.6	63.0	62.4	62.8	65.7
	Avg Min	47.5	50.1	44.9	46.9	46.6	39.4	38.7	38.3	40.8	41.8	42.6	46.3	46.9	47.2	47.7
	Average	53.7	57.9	53.6	56.0	54.1	47.9	47.2	46.9	48.5	50.3	50.6	54.7	54.7	55.0	56.7
FORT ROSS	Maximum	70	74	82	90	70	69	67	62	64	73	67	76	68	71	92
	Minimum	43	45	51	41	41	35	33	35	31	37	39	39	43	44	45
	Avg Max	63.9	68.0	65.7	69.7	61.8	56.7	56.8	56.7	56.3	61.8	60.0	65.0	64.9	64.6	68.1
	Avg Min	48.3	49.8	49.0	49.3	48.6	41.7	42.8	41.6	42.7	44.2	45.2	46.4	47.3	48.4	50.8
	Average	56.1	58.9	57.4	59.5	55.2	49.2	49.8	49.2	49.5	53.0	52.6	55.7	56.1	56.5	59.5
POINT ARENA	Maximum	70	77	83	92	67	67	62	60	65	68	66	76	69	72	95
	Minimum	45	49	40	42	38	31	31	33	31	34	40	41	45	46	45
	Avg Max	62.9	68.2	65.1	68.9	61.6	56.8	55.1	54.9	56.0	59.6	60.1	65.3	65.4	64.2	68.7
	Avg Min	48.9	51.7	48.3	50.1	47.9	40.8	41.1	40.5	42.5	43.5	44.8	47.9	49.5	49.2	51.5
	Average	55.9	60.0	56.7	59.5	54.8	48.8	48.1	47.7	49.3	51.6	52.5	56.6	57.5	56.7	60.1
RUSSIAN RIVER																
CLOVERDALE 3 SSE	Maximum	98	99	95	100	78	69	70	69	85	92	92	108	97	104	107
	Minimum	46	49	43	42	34	24	28	31	30	36	40	44	47	47	46
	Avg Max	87.6	88.9	80.6	83.8	62.7	53.8	57.5	58.0	62.2	77.4	78.8	85.4	87.2	91.1	87.0
	Avg Min	50.8	54.7	47.8	50.5	44.6	34.3	35.8	36.4	39.8	45.7	46.7	53.7	51.9	52.1	51.0
	Average	69.2	71.8	64.2	67.2	53.7	44.1	46.7	47.2	51.0	61.6	62.8	69.6	69.6	71.6	69.0

- No record or record incomplete

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1965						1966								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
RUSSIAN RIVER																
COYOTE DAM	Maximum	102	100	93	97	84	66	68	65	83	88	95	108	102	104	103
	Minimum	41	49	35	34	28	19	20	24	25	31	34	34	37	35	40
	Avg Max	91.0	88.4	86.3	83.1	60.8	56.0	56.9	56.8	63.2	71.6	82.6	82.2	88.0	92.9	86.6
	Avg Min	48.4	52.6	43.9	42.7	39.5	29.0	31.7	30.9	35.7	38.7	43.3	45.4	48.0	51.6	47.8
	Average	69.7	70.5	65.1	62.9	50.2	42.5	44.3	43.9	49.5	50.2	63.0	63.8	68.0	72.2	67.2
GEYSERVLLE-HOCKING	Maximum	94	-	90	90	73	57	-	-	-	-	-	-	-	-	-
	Minimum	43	-	38	35	29	20	-	-	-	-	-	-	-	-	-
	Avg Max	84.4	-	77.0	77.5	60.6	50.0	-	-	-	-	-	-	-	-	-
	Avg Min	50.2	-	45.2	42.5	42.2	32.5	-	-	-	-	-	-	-	-	-
	Average	67.3	-	61.1	60.0	51.4	41.2	-	-	-	-	-	-	-	-	-
GRATON	Maximum	91	99	95	99	78	61	71	72	86	93	90	108	99	105	105
	Minimum	41	47	34	35	31	24	26	27	27	35	40	39	43	42	40
	Avg Max	82.3	85.9	79.6	81.8	63.1	50.4	56.8	59.3	65.2	73.9	73.3	87.4	83.5	84.3	84.3
	Avg Min	49.4	51.8	47.4	43.5	44.6	33.7	35.8	36.6	42.0	44.5	46.4	48.6	48.6	50.2	49.5
	Average	65.9	68.9	63.5	62.7	53.9	42.1	46.3	48.0	53.6	59.2	59.9	68.0	66.1	67.3	66.9
GRATON 1 W	Maximum	89	95	88	93	73	59	69	67	85	90	88	101	95	100	100
	Minimum	40	45	35	36	29	23	24	28	26	34	38	38	42	43	41
	Avg Max	80.9	83.7	74.9	78.5	61.3	49.6	55.6	57.6	62.1	72.3	72.9	84.4	82.0	83.4	81.2
	Avg Min	47.1	50.2	45.6	45.0	44.1	33.5	36.0	36.1	39.8	42.8	44.0	47.7	46.8	48.4	48.5
	Average	64.0	67.0	60.3	61.8	52.7	41.6	45.8	46.9	51.0	57.6	58.5	66.1	64.4	65.9	64.9
HEALDSBURG	Maximum	97	99	95	100	78	65	74	73	90	94	93	108	98	105	108
	Minimum	45	48	39	41	33	23	28	29	29	38	40	42	47	46	44
	Avg Max	87.4	89.5	82.3	84.6	65.3	53.0	59.0	61.0	66.1	77.5	78.1	89.0	87.7	90.7	87.2
	Avg Min	51.1	54.1	49.2	48.9	46.3	35.2	38.0	38.4	42.6	46.0	48.0	52.0	51.6	52.5	52.3
	Average	69.3	71.8	65.8	66.8	55.8	44.1	48.5	49.7	54.4	61.8	63.1	70.5	69.7	71.6	69.8
INVERNESS MERY	Maximum	84	87	92	95	74	65	69	69	73	84	84	90	82	88	100
	Minimum	42	51	42	40	34	27	27	30	28	37	40	42	44	44	46
	Avg Max	72.2	72.8	73.5	74.7	63.5	55.0	58.0	57.1	61.1	69.2	67.0	69.4	70.0	74.6	74.6
	Avg Min	50.2	53.2	50.4	50.5	47.8	37.3	38.4	38.0	42.0	44.8	46.4	48.9	49.7	50.0	52.3
	Average	61.2	63.0	62.0	62.6	55.7	46.2	48.2	47.5	51.6	57.0	56.7	59.2	59.9	62.3	63.4
KNIGHTS VALLEY	Maximum	-	-	-	96	-	63	68	68	81	-	-	-	-	-	-
	Minimum	-	-	-	32	25	19	20	22	20	-	-	-	-	-	-
	Avg Max	-	-	-	82.5	-	53.2	56.6	57.5	62.5	-	-	-	-	-	-
	Avg Min	-	-	-	42.0	-	30.4	30.8	31.0	34.4	-	-	-	-	-	-
	Average	-	-	-	62.3	-	41.8	43.7	44.3	48.4	-	-	-	-	-	-

- No record or record incomplete

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1965						1966								
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
RUSSIAN RIVER																
POTTER VALLEY PH	Maximum	102	99	97	99	80	68	68	67	88	90	96	108	103	104	102
	Minimum	-	-	34	30	24	18	21	21	22	32	36	34	43	-	37
	Avg Max	-	-	89.0	86.6	62.6	-	56.9	57.8	67.2	80.9	85.5	87.7	91.4	-	-
	Avg Min	-	-	43.6	39.8	39.2	-	31.6	32.2	37.0	40.0	42.3	45.7	48.5	-	-
	Average	-	-	66.3	63.2	50.9	-	44.3	45.0	52.1	60.5	63.9	66.7	70.0	-	-
SANTA ROSA	Maximum	91	96	93	98	79	67	73	72	79	91	89	103	94	101	104
	Minimum	43	48	37	39	29	21	24	27	26	35	39	38	45	44	41
	Avg Max	81.3	85.9	79.9	83.1	65.1	53.5	58.8	60.6	64.0	74.8	74.2	85.2	82.6	86.3	84.4
	Avg Min	49.5	52.2	46.7	44.9	41.8	31.9	33.1	33.8	38.8	43.2	45.7	48.8	48.6	49.7	49.6
	Average	65.4	69.1	63.3	64.0	53.5	42.7	46.0	47.2	51.4	59.0	60.0	67.0	65.6	68.0	67.0
SANTA ROSA SEWAGE PLT	Maximum	90	92	91	95	76	63	70	64	81	90	85	100	90	97	102
	Minimum	45	49	36	40	30	22	25	28	26	35	38	35	45	45	42
	Avg Max	77.6	81.5	76.3	78.0	63.6	51.9	57.8	58.1	62.0	70.6	69.2	81.1	78.6	81.0	80.4
	Avg Min	50.2	53.3	47.3	44.8	43.7	33.2	34.3	35.9	40.5	43.8	45.6	49.0	49.1	50.1	49.5
	Average	63.9	67.4	61.8	61.4	53.6	42.6	46.0	47.0	51.3	57.2	57.4	65.0	63.8	65.6	65.0
UKIAH	Maximum	103	101	96	102	73	69	69	67	90	92	98	111	103	105	106
	Minimum	48	50	37	35	29	22	24	25	26	34	40	38	45	46	43
	Avg Max	92.5	90.1	85.3	84.4	61.6	54.4	56.9	59.5	66.7	78.7	81.8	84.0	88.8	92.8	87.7
	Avg Min	53.4	55.1	46.6	45.4	43.2	33.1	34.8	35.1	39.1	43.1	46.3	50.7	51.5	53.9	51.0
	Average	73.0	72.6	66.0	64.9	52.4	43.8	45.9	47.3	52.9	60.9	64.1	67.4	70.2	73.4	69.4
WOODACRE	Maximum	93	94	89	90	72	60	70	74	87	89	88	102	95	99	98
	Minimum	42	46	34	33	29	19	21	25	25	31	35	38	41	45	40
	Avg Max	81.4	81.4	74.1	77.8	61.6	49.3	57.0	58.6	61.2	74.6	73.2	77.2	78.0	83.2	80.0
	Avg Min	48.7	51.7	47.4	43.6	43.9	32.5	33.6	35.3	38.6	39.9	43.7	47.0	48.0	49.4	49.2
	Average	65.1	66.6	60.8	60.7	52.8	40.9	45.3	47.0	49.9	57.3	58.5	62.1	63.0	66.3	64.6

- No record or record incomplete

Evaporation Data

Terms and the abbreviations used in connection with tables listing evaporation data are as follows:

Evap - The total amount of water evaporated from the pan in inches for the month.

Wind - The amount of movement of air over the pan in miles for the month.

Avg Max - The arithmetic average of daily maximum water temperatures in degrees Fahrenheit for the month.

Avg Min - The arithmetic average of daily minimum water temperatures in degrees Fahrenheit for the month.

TABLE A-4

EVAPORATION DATA

CENTRAL COASTAL AREA

Station Name		Evaporation in Inches						Wind in Total Miles									Water Temperature in Degrees Fahrenheit	
		Total July 1 To June 30	1965						1966									Total Oct. 1 To Sept 30
			July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
CENTRAL COASTAL AREA																		
PAJARO-SAN BENITO RIVERS																		
HOLLISTER-MOURA	Evap	--	6.93	6.75	4.58	3.98	2.64	--	--	--	RE							
LOWER SALINAS RIVER																		
SALINAS de DAMPIERRE	Evap	52.50	7.91	4.77	4.61	4.18	2.56	1.95	2.64	2.43	3.35	4.40	7.06	6.64	7.37	7.29	5.28	55.15
	Wind	33760	3455	3038	2876	2770	1716	2589	2767	2962	2921	2810	3042	2814	3315	2435	3017	33158
SAN LUCAS-GUIDICI	Evap	--	8.38	8.47	5.97	4.74	4.02	--	RE									
SOLEDAD CTF	Evap	65.28	7.99	7.45	6.27	6.14	3.21	2.00	2.02	3.09	4.92	6.27	7.10	8.82	8.14	7.23	6.02	64.96
	Wind	60784	6437	5798	4874	4520	4044	4368	4251	4609	4775	4761	5953	6394	6423	5541	4618	60257
	Avg Max	69.7	79.2	80.5	75.1	74.0	62.6	54.3	58.1	59.4	66.9	74.2	75.0	77.1	75.5	79.2	76.7	69.4
	Avg Min	46.4	50.8	54.9	51.0	47.6	45.3	37.0	39.0	39.2	43.1	48.1	49.3	50.9	50.5	53.4	51.9	46.3
UPPER SALINAS RIVER																		
NACIMIENTO DAM	Evap	73.04	10.45	10.92	7.09	6.28	2.20	1.31	1.40	1.95	4.18	7.39	8.88	10.99	11.07	11.03	7.82	74.50
SAN FRANCISCO BAY AREA																		
NAPA-SOLANO																		
DUTTONS LANDING	Evap	61.40	8.76	8.23	6.33	5.21	1.97	1.09	1.60	2.09	3.03	5.55	7.17	10.37	9.30	8.33	7.69	63.40
	Wind	--	3818	3149	2718	2023	1821	1761	1380	1454	1344	--	2881	3817	3826	3565	3240	--
	Avg Max	71.5	82.4	84.2	77.8	76.2	63.3	49.5	55.0	59.1	68.3	80.0	78.5	83.3	83.1	83.6	81.6	71.8
	Avg Min	47.4	52.4	57.0	50.6	49.7	46.3	37.2	37.9	39.8	44.1	49.8	51.0	53.0	54.2	54.2	53.3	47.5
YOUNTVILLE-GAMBLE	Evap	--	8.35	6.42	5.96	4.02	1.72	1.19	--	--	--	--	--	--	--	--	--	--
	Wind	--	--	2048	1802	1111	1356	--	--	--	--	--	--	--	--	--	--	--
ALAMEDA CREEK																		
LIVERMORE SEWAGE PLT	Evap	72.44	11.02	9.81	7.69	6.17	1.63	1.21	1.60	2.26	3.79	7.40	9.55	10.31	10.88	11.98	8.00	74.78
	Wind	22740	2260	2150	2040	1410	1330	1940	1350	1690	1760	1930	2590	2290	2640	2230	1900	23060
NEWARK	Evap	66.07	8.89	8.65	6.59	4.84	2.33	1.30	1.77	2.37	4.45	6.94	8.23	9.71	9.07	8.98	7.46	67.45
	Wind	37853	3602	3458	2922	2471	3144	2982	2559	2698	3201	3305	3811	3700	3738	3101	3213	37923
SANTA CLARA VALLEY																		
ALAMITOS PERC POND	Evap	62.25	8.50	8.41	5.45	4.62	2.40	1.21	1.81	2.22	3.95	6.43	7.76	9.49	9.01	9.02	6.87	64.79
	Wind	--	1783	1586	1393	1254	1303	921	--	1213	--	1141	1335	1633	1581	1313	1281	--
COYOTE RESERVOIR	Evap	--	7.71	7.37	4.52	4.06	1.78	0.85	1.13	1.53	2.85	4.92						
	Wind	--	846	819	633	631	565	499	554	672	753	657	RE					

RE Record ends.
-- No record or record incomplete

TABLE A-4

EVAPORATION DATA

CENTRAL COASTAL AREA

Station Name		Evaporation in Inches							Wind in Total Miles										Water Temperature in Degrees Fahrenheit
		Total July 1 To June 30	1965						1966										Total Oct 1 To Sept. 30
			July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
SANTA CLARA VALLEY																			
LEROY ANDERSON DAM	Evap											RB	8.65	10.94	9.98	10.56	8.01	--
	Wind												2106	2380	2002	1967	1681	--
LEXINGTON RESERVOIR	Evap	55.61	8.66	7.96	5.95	4.34	1.69	1.30	1.60	2.00	3.28	5.21	6.26	7.36	8.17	8.46	6.20	55.87
	Wind	10774	954	716	725	623	1179	996	1167	1073	1041	836	802	662	658	723	814	10574
BAYSIDE-SAN MATEO																			
BURLINGAME	Evap	--	7.65	6.58	4.67	2.99	0.80	--	0.87	1.48	2.93	4.89	5.89	7.49	6.60	6.55	5.10	--
	Wind	--	960	680	510	--	--	--	--	696	780	612	908	727	--	--	880	--
	Avg Max	75.6	91.2	92.8	85.0	80.1	67.5	51.8	52.9	58.5	72.9	82.2	82.3	90.4	89.1	87.1	83.5	74.9
	Avg Min	51.8	59.2	58.5	55.1	53.9	49.1	39.6	40.4	43.9	50.5	55.7	56.6	59.5	60.7	60.2	58.3	52.4
NORTH COASTAL AREA																			
RUSSIAN RIVER																			
COYOTE DAM	Evap	67.97	11.37	9.86	7.24	4.49	1.88	0.92	2.57	1.64	3.08	6.26	8.30	10.36	10.15	11.98	7.87	69.50
	Wind	--	1620	1640	1524	1169	823	658	--	--	1270	1329	1368	1707	1278	834	1483	--
	Avg Max	68.4	86.5	83.5	78.0	71.8	56.9	48.0	50.7	52.6	62.3	70.4	79.5	80.2	85.6	87.6	82.2	69.0
	Avg Min	43.5	53.3	54.5	47.1	46.9	42.6	32.6	33.2	32.9	37.9	42.3	48.2	50.3	52.6	56.7	51.5	44.0
GEYSERVILLE-HOCKING	Evap	--	7.34	7.76	4.47	3.59	1.67	0.74	--	--	--	--	--	--	--	--	--	--
	Wind	--	--	--	--	--	1932	1866	--	--	--	--	--	--	--	--	--	--
KNIGHTS VALLEY	Evap	--	--	--	--	4.19	--	0.75	0.48	1.79	--	--	--	--	--	--	--	--
	Wind	--	--	--	--	--	--	819	889	957	941	--	--	--	--	--	--	--
	Avg Max	--	--	--	--	76.1	--	48.8	52.4	57.8	67.1	--	--	--	--	--	--	--
	Avg Min	--	--	--	--	50.0	--	38.0	37.6	40.6	43.3	--	--	--	--	--	--	--
SANTA ROSA SEWAGE PLT	Evap	57.65	8.06	7.92	6.19	4.97	1.70	0.68	0.98	2.38	2.92	5.92	6.07	9.86	8.66	7.92	6.62	58.68
	Wind	26266	2764	2567	2373	1606	1827	1624	1732	1928	2051	2394	2634	2766	3022	2646	2370	26600

RB Record begins.
-- No record or record incomplete.

Appendix B

SURFACE WATER MEASUREMENT

INTRODUCTION

In this appendix, surface water data is presented for the period October 1, 1965 through September 30, 1966. These data consist of imported water to report area, daily mean gage heights, daily maximum and minimum tides, and corrections to previously-published reports.

The station numbering system is that which is shown in the Department publication, Index of Stream Gaging Stations In and Adjacent to California, 1966.

Responsibility for operation of the gaging station and publication of the data for Butano Creek near Pescadero, E8-3200, was transferred to the U. S. Geological Survey, beginning September 30, 1966.

TABLE B-1

SURFACE WATER IMPORTS TO THE CENTRAL COASTAL AREA

IMPORT	1966 WATER YEAR												
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	TOTAL
CITY OF VALLEJO FROM CACHE SLOUGH													
Total acre-feet	1,310	773	667	765	697	805	1,206	1,322	1,486	1,569	1,626	1,334	13,560
Average cubic feet per second	21	13	11	12	13	13	20	21	25	26	26	22	19
Monthly quantities in percent of seasonal	10	6	5	5	5	6	9	10	11	11	12	10	
1964 WATER YEAR													
Total acre-feet	718	340	402	479	390	586	1,125	1,433	1,416	1,735	1,959	1,584	12,167
Average cubic feet per second	12	6	7	8	7	10	19	23	24	28	32	27	17
Monthly quantities in percent of seasonal	6	3	3	4	3	5	9	12	12	14	16	13	
CONTRA COSTA CANAL *													
Total acre-feet	6,553	4,613	3,532	3,390	3,142	4,047	6,082	8,437	10,738	12,258	12,157	9,445	84,394
Average cubic feet per second	107	78	57	55	57	66	102	137	174	199	198	159	116
Monthly quantities in percent of seasonal	8	5	4	4	4	5	7	10	12	15	15	11	
HETCH HETCHY AQUEDUCT													
Total acre-feet	15,695	12,722	15,023	7,851	11,946	12,607	11,107	15,260	18,438	21,462	21,379	19,551	182,641
Average cubic feet per second	255	214	244	128	215	205	187	248	310	349	348	329	252
Monthly quantities in percent of seasonal	9	7	8	4	6	7	6	8	10	12	12	11	
MOKELUMNE RIVER AQUEDUCT													
Total acre-feet	18,031	17,499	17,995	17,653	15,488	15,413	16,065	16,863	16,751	17,288	17,080	16,288	202,414
Average cubic feet per second	293	294	293	287	279	251	270	274	282	281	278	274	280
Monthly quantities in percent of seasonal	9	9	9	9	8	8	8	8	8	8	8	8	
POTTER VALLEY POWERHOUSE FROM EEL RIVER													
Total acre-feet	17,990	10,930	13,730	18,590	16,870	17,900	18,350	14,110	7,640	12,560	13,560	17,430	179,700
Average cubic feet per second	293	184	223	302	304	291	308	229	128	204	220	293	248
Monthly quantities in percent of seasonal	10	6	8	10	9	10	10	8	4	7	8	10	
PUTAH SOUTH CANAL **													
Total acre-feet	18,170	1,795	706	397	339	3,138	19,310	29,510	29,111	30,986	26,118	28,748	188,328
Average cubic feet per second	295	30	11	6	6	51	324	480	489	504	425	483	260
Monthly quantities in percent of seasonal	10	1	0	0	0	2	10	16	16	16	14	15	
SOUTH BAY AQUEDUCT													
Total acre-feet	7,005	2,463	169	0	1,453	3,153	5,181	7,173	6,968	7,293	7,499	5,336	53,693
Average cubic feet per second	114	41	3	0	26	51	87	117	117	119	122	90	74
Monthly quantities in percent of seasonal	13	4	0	0	3	6	10	13	13	14	14	10	

* A portion of this water is delivered to the Central Coastal Area by the Contra Costa County Water District.

** A portion of this water is delivered to the Central Coastal Area by the Solano Irrigation District.

TABLE B-2

DAILY MEAN GAGE HEIGHT
(IN FEET)

WATER YEAR	STATION NO.	STATION NAME
1966	E31400	RECTOR RESERVOIR NEAR YOUNTVILLE

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	353.28	349.41	350.60	357.30	370.41	NR	370.14	368.07	364.50	360.60	355.98	351.48	1
2	353.11	349.30	350.65	357.65	370.35	NR	370.11	368.01	364.38	360.44	355.81	351.24	2
3	353.00	349.18	350.69	358.15	370.46	NR	370.10	367.88	364.25	360.30	355.67	351.13	3
4	352.85	349.08	350.72	359.72	370.57	NR	370.10	367.75	364.12	360.17	355.53	350.98	4
5	352.75	348.94	350.75	370.68	370.47	NR	370.04	367.63	363.99	360.02	355.37	350.84	5
6	352.63	348.94	350.79	370.27	370.42	NR	369.97	367.51	363.85	359.88	355.22	350.71	6
7	352.49	348.94	350.81	370.27	370.37	NR	369.90	367.49	363.76	359.75	355.09	350.57	7
8	352.37	348.96	350.85	370.27	370.31	NR	369.83	367.27	363.64	359.61	354.93	350.43	8
9	352.25	348.97	350.88	370.27	370.30	NR	369.78	367.16	363.52	359.47	354.78	350.29	9
10	352.15	348.98	350.90	370.27	370.26	NR	369.76	367.06	363.38	359.33	354.65	350.15	10
11	352.04	348.99	350.95	370.27	370.26	NR	369.73	366.95	363.23	359.20	354.49	350.02	11
12	351.90	349.03	351.01	370.27	370.25	NR	369.72	366.85	363.10	359.06	354.33	349.87	12
13	351.80	349.15	351.05	370.27	370.24	NR	369.72	366.75	362.97	358.90	354.18	349.74	13
14	351.69	349.40	351.08	370.27	370.25	NR	369.73	366.65	362.81	358.78	354.05	349.60	14
15	351.58	349.61	351.05	370.25	370.23	NR	369.76	366.52	362.69	358.63	353.87	349.46	15
16	351.44	349.60	351.05	370.22	370.22	NR	369.70	366.40	362.57	358.48	353.71	349.31	16
17	351.32	349.55	351.08	370.20	370.22	NR	369.60	366.28	362.44	358.34	353.58	349.18	17
18	351.21	350.10	351.10	370.20	370.22	NR	369.52	366.17	362.30	358.20	353.43	349.05	18
19	351.10	350.23	351.11	370.20	370.31	NR	369.43	366.04	362.18	357.92	353.27	348.93	19
20	350.97	350.28	351.15	370.20	370.30	NR	369.34	365.92	362.02	357.73	353.14	348.80	20
21	350.84	350.28	351.15	370.18	370.28	NR	369.25	365.80	361.88	357.58	352.99	348.68	21
22	350.71	350.22	351.17	370.18	370.27	NR	369.14	365.70	361.75	357.45	352.83	348.53	22
23	350.58	350.20	351.17	370.18	370.30	NR	368.96	365.58	361.61	357.29	352.70	348.40	23
24	350.42	350.31	351.22	370.20	370.32	NR	368.86	365.45	361.46	357.12	352.55	348.27	24
25	350.30	350.55	351.70	370.20	370.33	NR	368.74	365.34	361.32	356.97	352.38	348.13	25
26	350.17	350.60	351.90	370.20	370.37	NR	368.63	365.22	361.20	356.82	352.23	347.98	26
27	350.04	350.60	352.07	370.20	370.35	NR	368.50	365.12	361.05	356.69	352.08	347.83	27
28	349.91	350.58	352.60	370.20	370.32	NR	368.40	364.98	360.91	356.54	351.93	347.70	28
29	349.78	350.55	354.43	370.28		NR	368.30	364.84	360.86	356.38	351.77	347.58	29
30	349.65	350.58	355.51	370.40		NR	368.19	364.74	360.73	356.23	351.65	347.48	30
31	349.52		356.60	370.34		NR		364.61		356.12	351.12		31

E — ESTIMATED

NR — NO RECORD

NE — NO FLOW

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-5-66	0800	370.80									

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T. & R M.D.B.&M.	CFS	GAGE HT.	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF. DATUM
38-26.4	122-20.6	SE19 7N 4W					5/48 - Date	5/48		0.00	USC&GS

Rector Reservoir is located on Rector Creek about three miles northeast of Yountville. Gaging station is located on the outlet tower of the reservoir. Elevation of reservoir floor is 250 feet. Spillway elevation is 371 feet.

TABLE B-3

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT COLLINSVILLE

STATION NO.	WATER YEAR
E31110	1966

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	3.60 1.69	5.08 1.64	NR NR	5.70 2.24	6.83 2.10	5.80 1.64	5.76 1.23 E	3.26 1.36	3.99 1.41	6.39 1.32	6.20 1.66	3.37 1.82	1
2	5.76 1.72	4.98 1.59	4.09 2.82	5.74 1.81	6.51 1.60	5.91 1.25 E	3.84 1.44	3.40 1.70	6.11 1.21 E	6.46 1.39	6.29 1.89	3.41 2.04	2
3	5.30 1.78	5.01 1.52	5.30 1.81	6.33 1.92	6.93 1.88	5.31 0.60 E	6.12 2.04	5.74 1.81	6.13 1.09 E	6.08 1.20	6.09 1.89	5.28 2.30	3
4	5.45 1.72	5.17 1.68	5.62 1.96	6.99 2.22	7.31 1.98	5.69 0.81	6.01 2.12	6.31 1.80	5.97 1.00 E	6.19 1.43	5.80 1.87	5.38 2.40	4
5	3.03 1.63	3.34 1.87	5.91 1.83	7.09 1.85	7.09 1.97	3.84 0.98	6.09 2.20	6.20 1.42	6.02 1.10	6.11 1.33	3.47 1.97	3.73 2.38	5
6	5.45 1.71	3.70 2.20	6.17 1.70	6.88 1.59	7.07 2.13	5.96 1.39	6.17 2.06	6.21 1.21 E	6.02 1.17 E	5.86 1.33	3.22 1.91	5.93 2.30	6
7	3.58 1.87	3.90 2.08	6.43 1.68	7.07 1.81	6.63 2.05	3.73 1.40	6.36 1.87	6.09 1.28 E	3.63 1.04 E	5.37 1.56	5.44 2.23	3.91 2.31	7
8	3.90 2.42	6.00 1.78	6.77 1.80	7.10 1.80	6.12 2.98	5.47 1.35	6.27 1.66	6.20 1.31	5.48 1.25	3.09 1.35	5.79 2.68	5.74 1.73	8
9	6.02 2.70	6.17 1.70	7.09 1.88	6.70 1.71	3.70 1.91	3.40 1.71	6.20 1.39	6.24 1.68	5.14 1.35	4.98 1.60	6.12 2.64	6.00 1.51	9
10	5.77 2.22	6.30 1.37	7.18 1.89	6.34 3.46	3.87 1.99	3.32 1.62	6.03 1.58	5.75 1.31	4.90 1.40	3.21 1.71	6.40 2.48	6.28 1.51	10
11	5.79 2.04	6.30 3.32	7.01 1.89	3.60 1.76	3.60 1.83	5.59 1.52	3.30 1.41	3.13 1.19 E	4.87 1.11 E	3.50 2.17	6.60 2.33	6.18 1.62	11
12	6.10 2.12	6.43 1.46 E	6.88 1.82	5.62 1.61	5.70 1.44	5.72 1.60	5.30 1.29 E	5.20 1.21	5.11 1.34	5.68 2.09	6.73 2.14	4.78 1.41	12
13	6.41 3.20	6.83 1.37	6.25 1.79	5.72 1.71	3.50 1.28	5.65 1.49	4.74 1.12 E	3.40 1.36	3.40 1.91	3.93 1.75	5.01 2.00	6.14 1.49	13
14	6.60 2.25	6.72 2.29	5.78 1.90	5.79 2.03	3.71 1.28	5.49 1.38	4.67 1.02 E	4.31 1.33	4.13 1.80	6.15 1.60	6.77 1.88	3.93 1.47	14
15	6.21 2.10	6.05 2.12	5.84 1.96	6.01 1.88	3.64 0.99 E	3.39 1.47 E	4.80 1.40 E	5.21 1.98	5.83 1.89	4.29 1.33	6.71 1.74	5.70 1.60	15
16	5.78 1.54	3.80 1.81	5.99 2.30	5.98 1.60	3.37 0.91 E	3.21 1.02 E	3.07 1.73	5.42 2.01	6.41 2.14	6.34 1.31	6.66 1.70	3.37 1.83	16
17	3.73 1.29	6.29 2.09	6.18 2.30	6.39 1.81	5.75 1.20 E	4.90 0.83 E	3.70 2.63	5.43 1.78	6.51 1.79	6.40 1.26	6.40 1.67	5.82 2.06	17
18	5.71 1.33	6.38 2.89	5.98 1.78	6.37 1.81	6.03 1.58	3.29 1.38	3.91 2.19	3.68 1.73	6.61 1.54	6.43 1.27	6.20 1.83	6.11 1.98	18
19	5.61 1.43	6.20 2.46	6.17 1.70	6.37 1.75	6.11 1.33	5.29 1.31 E	5.72 2.08	6.00 1.80	6.66 1.40	6.42 1.36	5.93 2.10	6.18 1.90	19
20	5.49 1.41	6.37 2.28	6.37 1.71	6.48 1.70	5.57 1.30	3.18 1.31	5.56 1.71	6.43 1.89	6.68 1.42	6.39 1.50	5.93 2.20	6.03 1.93	20
21	5.28 1.48	6.50 2.09	6.70 1.89	6.38 1.72	3.25 1.32	5.22 1.61	5.73 1.56	6.73 1.92	6.48 1.36 E	6.18 1.60	6.02 2.47	5.86 1.80	21
22	3.42 1.70	6.66 2.10	6.63 1.68	6.39 1.79	3.33 1.83	4.98 1.71	3.80 1.37 E	6.39 1.41	6.17 1.18 E	5.73 1.66	6.12 2.33	5.39 1.64	22
23	3.70 1.81	NR NR	6.30 1.36	6.02 1.70	5.16 1.92	5.16 1.81	3.71 1.11 E	6.43 1.46	5.80 1.28	3.63 1.80	6.05 2.21	3.66 1.31	23
24	3.88 1.71	NR NR	6.31 2.08	3.71 3.42	3.40 2.49	3.50 2.01	3.91 1.34 E	6.44 1.47	5.27 1.10 E	5.82 2.08	3.90 1.72	3.71 1.62	24
25	6.09 1.68	NR NR	6.12 1.31	3.31 1.69	3.27 2.11	3.80 2.04	6.03 1.43 E	6.21 1.31	3.49 1.43	3.98 2.20	6.00 1.32	4.96 1.71	25
26	6.06 1.36	NR NR	3.67 1.43	3.40 1.78	3.28 1.83	3.81 1.80	3.89 1.05 E	3.93 1.36	3.67 1.73	6.25 1.99	3.78 1.30	3.36 1.70	26
27	6.00 3.16	NR NR	3.89 3.88	3.89 2.30	3.10 1.46	3.86 1.70	3.46 0.97 E	3.60 1.33	3.97 2.04	6.33 1.93	4.65 1.36	3.43 1.69	27
28	3.80 1.32	NR NR	6.39 2.18	3.69 2.60	3.20 1.33 E	3.62 1.22 E	3.32 1.33 E	3.71 1.87	4.48 1.90	4.78 1.82	3.90 1.34	3.30 1.92	28
29	3.49 1.40	NR NR	6.10 2.36	6.10 2.91		3.39 1.09 E	3.38 1.24 E	3.75 1.94	6.22 1.74	6.45 1.73	6.01 1.76	3.64 2.24	29
30	3.23 1.27	NR NR	3.92 2.30	6.47 2.67		3.46 0.92 E	3.23 1.30 E	4.60 1.95	6.31 1.52	6.51 1.82	3.90 1.78	3.70 2.31	30
31	3.17 1.42		3.90 2.31	6.34 2.07		3.38 1.09 E		3.75 1.65		6.18 1.41	3.61 1.70		31
MAXIMUM	6.60	NR	7.18	7.10	7.31	5.96	6.36	6.73	6.68	6.51	6.77	6.28	MAXIMUM
MINIMUM	1.29	NR	1.36	1.39	0.91 E	0.60 E	0.97 E	1.19	1.00	1.20	1.36	1.41	MINIMUM

E - Estimated
NR- No Record

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC T & R M D B &M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38°04'25"	121°51'18"	SW27 3N 1E		9.2	4/6/58		June 29-Date	1929		-3.05	USGS

Station located 0.4 mi. SW of Colliosville, 3.3 mi. NE of Pittsburg.
Maximum gage height does not indicate maximum discharge.

TABLE B-3

DAILY MAXIMUM AND MINIMUM TIDES

SUISUN BAY AT BENICIA

STATION NO	WATER YEAR
E03300	1966

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	DATE
1	2.81 0.65	NR NR	2.43 -1.70	2.75 E -1.68 E	4.00 -2.18 E	1.43 -2.47	2.91 -3.03 E	2.81 -2.45	1.16 E -2.71 E	2.07 -2.70	3.58 -2.50	2.76 -2.17	1
2	2.82 -2.01	NR NR	2.34 -1.69	2.87 E -2.30 E	3.85 -2.82	3.02 -3.09	3.15 -2.88	2.25 -2.09	3.48 E -3.04 E	3.75 -2.92	3.47 -2.30	2.60 -1.80	2
3	2.65 -2.01	NR NR	2.68 -1.46	3.57 E -2.33 E	4.30 -2.61	2.78 -3.80	3.51 -2.17	3.16 -2.35	3.47 E -3.30 E	3.42 -3.02	3.23 -2.23	2.60 -1.57	3
4	2.60 -2.08	NR NR	2.93 -1.80	4.30 E -2.11 E	4.70 -2.81	3.12 -3.70	3.25 -2.12	3.58 -2.47	3.32 E -3.35 E	3.51 -2.75	2.91 -2.72	2.63 -1.34	4
5	2.59 -2.20	NR NR	3.30 -2.10	4.40 E -2.84 E	4.58 -2.81	3.32 -3.59	3.32 -2.02	3.60 -2.79	3.30 E -3.13 E	3.23 -2.64	2.57 -1.94	2.90 -0.72	5
6	2.77 -2.19	NR NR	3.58 -2.40	4.18 E -3.38 E	4.43 -2.75	3.49 -3.11	3.45 -2.38	3.62 -3.08	3.21 E -2.96 E	2.98 -2.57	2.52 -1.75	3.02 -1.39	6
7	3.11 -1.99	NR NR	3.86 -2.69	4.38 E -3.23 E	2.72 -2.65	3.23 -2.98	3.64 -2.47	3.59 -3.00	2.89 E -2.91 E	2.70 -2.35	2.70 -1.31	2.92 -1.47	7
8	3.05 -1.62	3.20 -2.58	4.20 -2.67	4.38 E -3.32 E	3.47 -2.66	2.97 -2.60	3.58 -2.69	3.35 -2.73	2.50 E -2.58 E	2.22 -2.19	3.05 -0.69	2.81 -1.99	8
9	3.23 -1.20	3.60 -2.51	4.50 -2.67	3.90 E -3.30 E	3.06 -2.65	2.40 -2.20	3.50 -2.62	3.40 -2.32	2.23 E -2.42 E	2.31 -1.98	3.26 -0.80	3.09 -2.38	9
10	3.16 -1.69	3.73 -2.79 E	4.50 -2.73	3.51 E -3.13 E	3.12 -2.02	3.08 -2.42	3.22 -2.53	2.83 -2.52	2.10 E -2.20 E	2.50 -1.73	3.50 -1.26	3.40 -2.48	10
11	3.25 -2.00	3.71 -2.80	4.38 -2.65	2.81 E -3.07 E	2.90 -2.20	3.07 -2.48	2.72 -2.62	2.32 -2.50	2.16 E -2.24 E	2.75 -1.19	3.72 -1.60	3.45 -2.60	11
12	3.57 -1.92	3.87 -2.61	3.99 -2.57	2.07 -1.09	2.90 -2.53	3.08 -2.40	2.52 -2.62	2.39 -2.18	2.42 E -1.70 E	2.93 -1.51	3.79 -1.92	3.50 -2.92	12
13	3.77 -1.97	4.29 1.16	3.50 0.66	3.02 -2.48	2.68 -2.70	2.90 -2.50	1.94 -2.72	2.60 -2.01	2.71 E -1.52 E	3.17 -1.93	3.90 -2.33	2.22 -2.95	13
14	3.85 -2.09	4.05 -1.50	2.99 -2.30	3.07 -1.91	2.91 -2.82	2.69 -2.58	2.01 -2.63	2.48 -2.05	3.19 E -1.74 E	3.41 -2.30	4.01 -2.55	3.33 -2.90	14
15	3.29 0.40	3.32 -1.82	3.28 -2.12	3.29 -2.23	2.83 -3.09	2.67 E -2.47	2.02 -2.37	2.70 -1.66	3.56 E -1.86 E	3.63 -2.68	2.33 -2.75	3.15 -2.59	15
16	2.95 -2.62	3.10 -2.18	2.40 -1.91	3.23 -2.65	2.81 -3.22	2.38 -3.02	2.35 -2.05	2.79 -1.64	3.76 E -1.94 E	3.77 -2.99	4.03 -2.76	3.03 -2.24	16
17	2.90 -2.82	3.57 -1.84	3.63 -1.59	3.61 -2.56	3.01 -3.00	2.19 -3.18	2.76 -1.43	1.61 -2.07	1.99 E -2.31 E	1.79 -3.20	3.80 -2.76	3.28 -2.20	17
18	2.75 -2.76	3.91 -0.95	3.45 -2.23	3.81 -2.59	3.11 -2.61	2.53 -2.73	3.10 -1.50	3.05 -2.25	3.82 E -2.70 E	3.80 -3.34	3.59 -2.50	3.47 -2.08	18
19	2.75 -2.74	3.60 -1.55	3.60 -2.49	3.82 -2.68	3.42 -2.67	2.39 -2.82	3.01 -1.74	3.33 -2.39	3.94 E -2.79 E	3.82 -3.20	3.16 -2.13	3.55 -2.04	19
20	2.78 -2.71	3.80 -1.98	3.77 -2.56	3.79 -2.71	2.88 -2.78	2.37 -2.64	2.90 -2.22	3.65 -2.38	3.98 E -3.16 E	3.80 -2.87	3.29 -1.71	3.25 -0.08	20
21	2.78 -2.64	3.96 -2.24	4.09 -2.40	3.69 -2.62	2.60 -2.64	2.41 -2.59	3.03 -2.43	3.88 -2.40	3.77 E -3.14 E	3.49 -2.65	3.32 -1.35	2.93 -2.25	21
22	2.93 -2.40	4.09 -2.27	3.98 -2.70	3.69 -2.50	2.80 -2.17	2.32 -2.23	3.14 -2.72	3.80 -2.71	3.41 E -2.90 E	2.99 -2.41	3.38 -1.70	2.70 -2.33	22
23	3.22 -2.22	4.31 -1.97	3.67 -3.00	3.28 -2.56	2.49 -1.90	2.49 -2.07	3.10 -3.02	3.69 -2.76	3.08 E -2.79 E	3.05 -2.10	3.28 -1.72	2.70 -2.50	23
24	3.41 -2.43	4.40 -2.01	3.99 -2.20	2.93 -2.46	2.81 -1.59	2.83 -1.89	3.20 -2.88	3.51 -2.71	2.51 E -2.60 E	3.22 -1.55	3.06 -2.19	2.80 -2.42	24
25	3.63 -1.00	3.90 -2.49	3.40 -2.73	2.62 -2.19	2.62 -1.50	3.00 -1.98	3.19 -2.69	3.22 -2.62	2.88 E -2.12 E	3.38 -1.43	3.10 -2.49	2.76 -2.35	25
26	NR NR	3.35 -2.75 E	2.99 -2.70	2.69 -1.08	2.50 -1.91	2.98 -2.27	3.00 -2.92	2.93 -2.50	3.07 E -1.73 E	3.59 -1.81	3.04 -2.54	2.70 -2.29	26
27	NR NR	2.89 -2.68	3.16 -1.71	3.18 -0.90	2.33 -2.22	3.00 -2.38	2.68 -3.02 E	2.80 E -2.26 E	3.39 E -1.60 E	3.61 -2.10	3.18 -2.70	2.35 -2.29	27
28	NR NR	2.45 -2.44	3.40 E -1.31 E	2.90 -0.33	2.39 -2.41	2.80 -2.66	2.67 -2.53	2.90 E -1.99 E	3.63 E -1.73 E	3.61 -2.34	2.09 -2.56	2.86 -1.91	28
29	NR NR	2.33 -1.10	3.29 E -1.24 E	3.31 -0.09 E		2.69 -2.77	2.52 -2.69	3.16 E -1.84 E	3.67 -0.22	3.69 -2.48	3.22 -2.38	3.00 -1.52	29
30	NR NR	1.99 0.71	3.09 E 0.20 E	3.62 -1.00		2.59 -3.05 E	2.59 -2.69	3.22 E -1.76 E	3.74 -2.62	3.60 -2.48	3.19 -2.30	2.97 -1.35	30
31	NR NR		2.99 E -1.33 E	1.79 -1.89		2.83 -3.04		3.40 E -2.26 E		2.10 -2.67	2.96 -2.37		31
MAXIMUM	3.85	4.40	4.50	4.40	4.70	3.49	3.64	3.88	3.98 E	3.82	4.03	3.55	MAXIMUM
MINIMUM	-2.82	-2.80	-3.00	-3.38	-3.22	-3.80	-3.03	-3.08	-3.35 E	-3.34	-2.76	-2.92	MINIMUM

E - Estimated
NR- No Record

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	1/4 SEC. T & R M D B &M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO ON GAGE	REF DATUM
			CFS	GAGE HT	DATE			FROM	TO		
38°02'26"	122°08'44"	SW6 2N 2W		5.7	4/6/58		Jun 29-Apr 40 Apr 40-Date	1929 1940 1942	1940 1942	-2.21 -5.00 0.00	USGS USGS USGS

Station located on inshore side of wharf, immediately SE of Benicia.
Maximum gage height listed does not indicate maximum discharge.
Period of record intermittent from 1929-1940.

TABLE B-4

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF SURFACE WATER DATA

1924 TO DATE

Location of Error or Revision				Change or Revision	
Report	Page	Name	Item	From	To
			1962		
Bull. No. 23-62	394	Suisun Bay at Benicia Arsenal	Daily Maximum and Minimum Tides for the period 3-1-62 to 3-28-62, inclusive.	Published values	2.00 ft. lower than published values.
			Maximum for March 1962	16.72	14.72
			1963		
Bull. No. 130-63	B-7	Suisun Bay at Benicia Arsenal	Maximum Gage Height of Record	6.72	5.7
			Date of Maximum Gage Height of Record	3/5/62	4/6/58
			1964		
Bull.No. 130-64	48	Suisun Bay at Benicia Arsenal	Maximum Gage Height of Record	6.72	5.7
			Date of Maximum Gage Height of Record	3/5/62	4/6/58
Bull. No. 130-64	*52	City of Vallejo from Cache Slough	Total acre-feet Average cubic feet per second Monthly quantities in percent of seasonal	Published values	Values published in Bulletin No. 130-66 Table B-2

*Changes not previously reported.

Appendix C

GROUND WATER MEASUREMENT

INTRODUCTION

Data in this appendix includes ground water level measurements from 360 wells for the period from October 1, 1965 through September 30, 1966. Hydrographs of selected wells and tables which summarize the measurements are also included. Wells were selected to reflect the ground water conditions of the area. Well networks are continuously reviewed and, when conditions dictate, replacement wells are located and measured.

There are 31 ground water basins or areas in the Central Coastal Area for which data are reported.

Processing the Data

Two numbering systems are combined by the Department to facilitate processing of water level measurement data: the Region and Basin Designation and the State Well Numbering System.

Region and Basin Designation

The regions used in this report are geographic areas defined in Section 13040 of the Water Code. That portion of Northern California covered by this report comprises the southern portion of North Coastal Region No. 1, the Northern portion of Central Coastal Region No. 3, and all of San Francisco Bay Region No. 2. A decimal system of the form 0-00.00 has been selected according to geographic regions, ground water basins, and subbasins or subareas as follows:

1 - 18.01

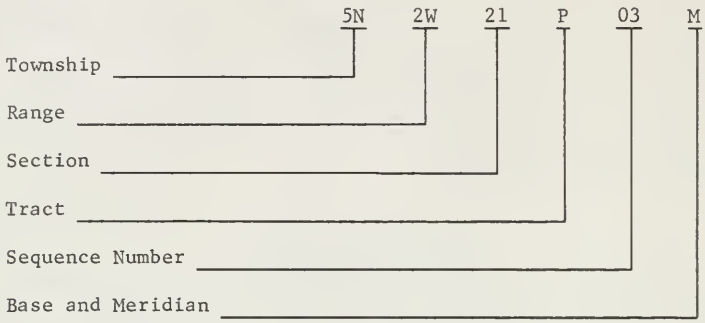
Region (North Coastal Region)

Ground Water Basin (Santa Rosa Valley)

Subarea (Santa Rosa Area)

State Well Numbering System

The State Well Numbering System is based on township, range, and section subdivisions of the Public Land Survey. The number of a well, assigned in accordance with this system, is referred to as the State Well Number, as illustrated below:



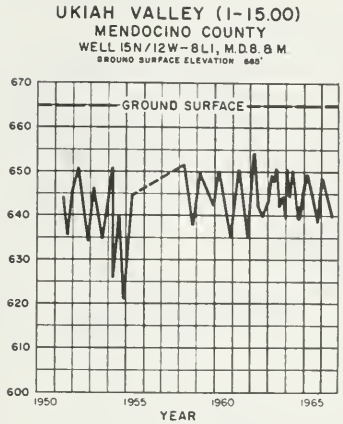
This number identifies and locates the well. In the example, the well is in Township 5 North, Range 2 West, Tract P of Section 21, located in the Mount Diablo Base and Meridian. A section is divided into 40-acre tracts as follows:

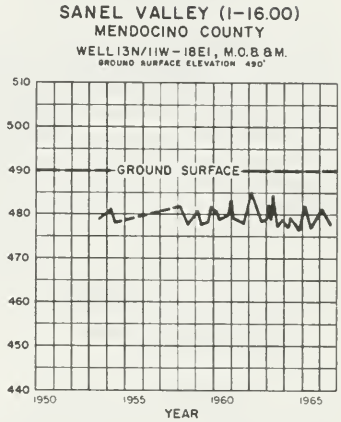
D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Sequence numbers in a tract are generally assigned in chronological order. The example designates the third well to be assigned a number in Tract P.

FIGURE C1

FLUCTUATION OF WATER LEVEL IN WELLS NORTH COASTAL REGION





ELEVATION IN FEET - USC&GS DATUM

CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE.

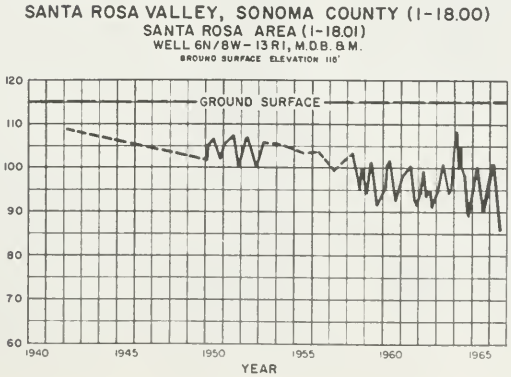


FIGURE C1

FLUCTUATION OF WATER LEVEL IN WELLS SAN FRANCISCO BAY REGION

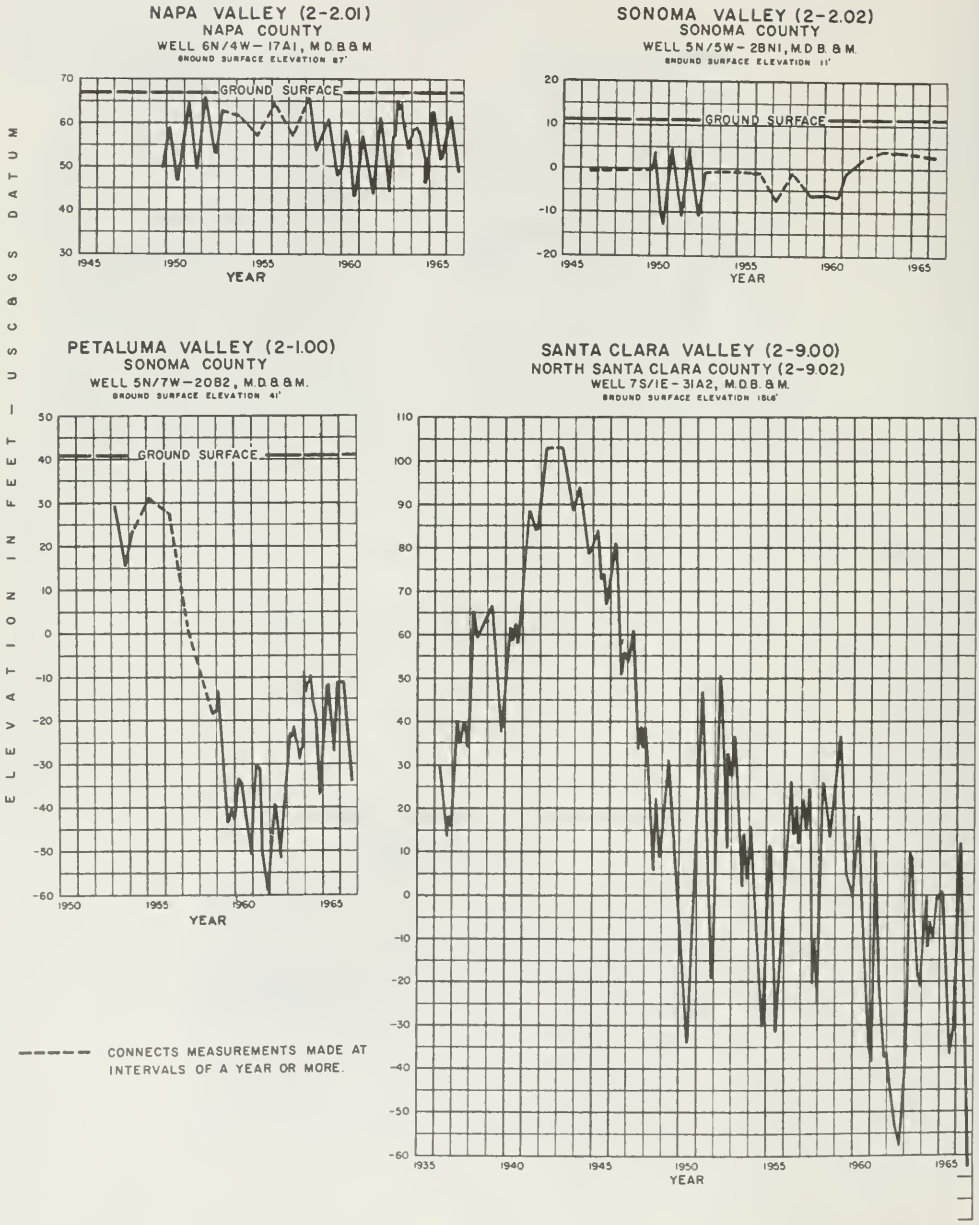
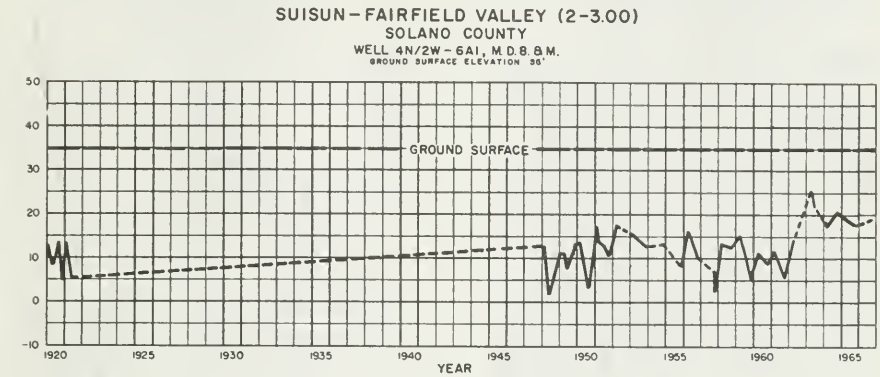
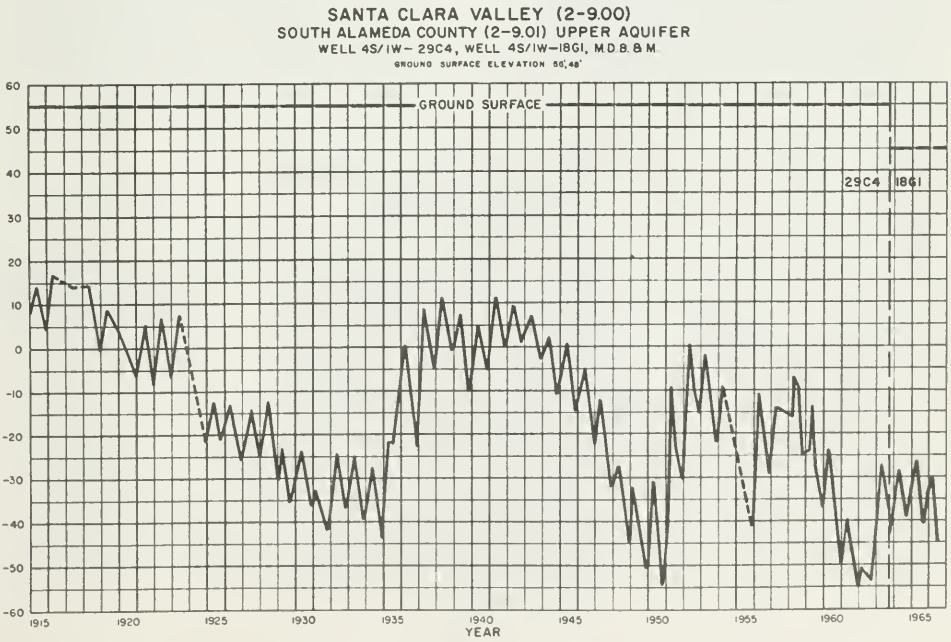


FIGURE C1

FLUCTUATION OF WATER LEVEL IN WELLS SAN FRANCISCO BAY REGION



CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE.



ELEVATION IN FEET — USC&GS DATUM

FIGURE C1

FLUCTUATION OF WATER LEVEL IN WELLS SAN FRANCISCO BAY REGION

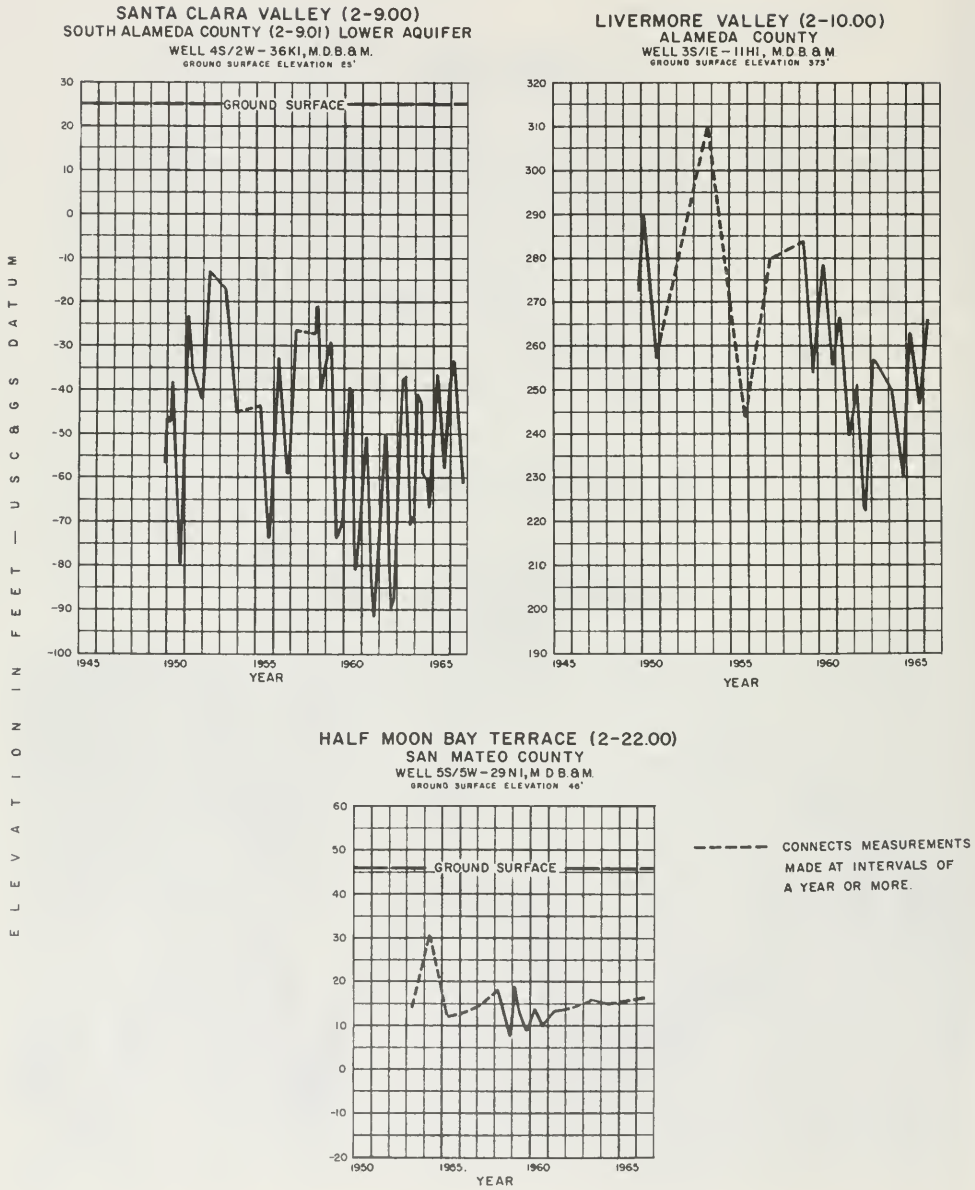
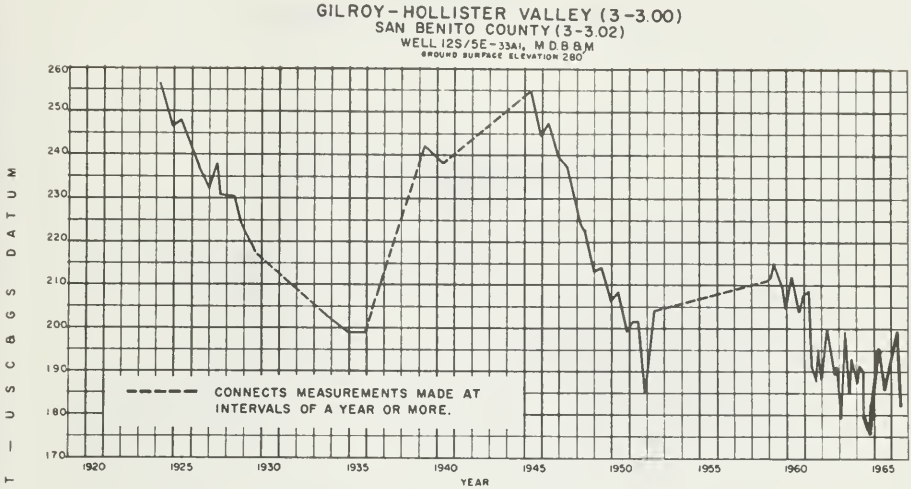


FIGURE CI
FLUCTUATION OF WATER LEVEL IN WELLS CENTRAL COASTAL REGION



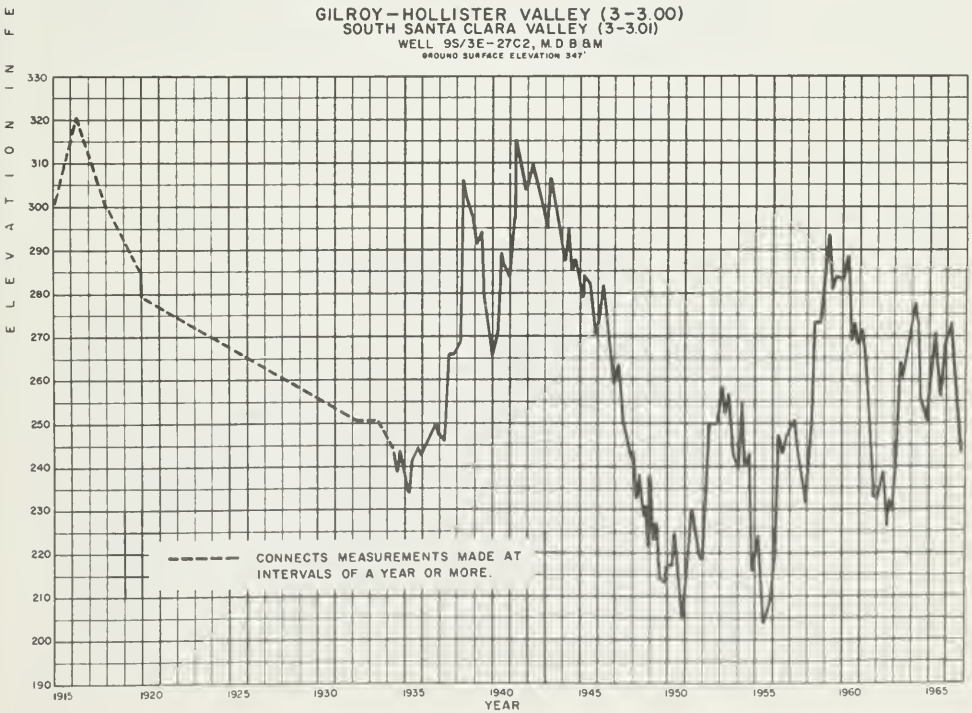
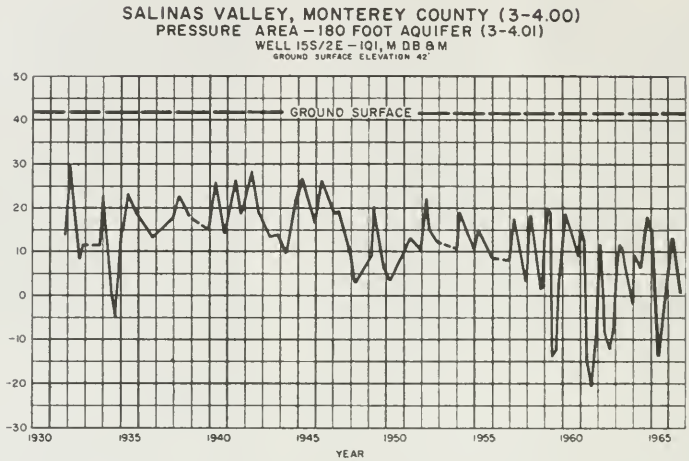
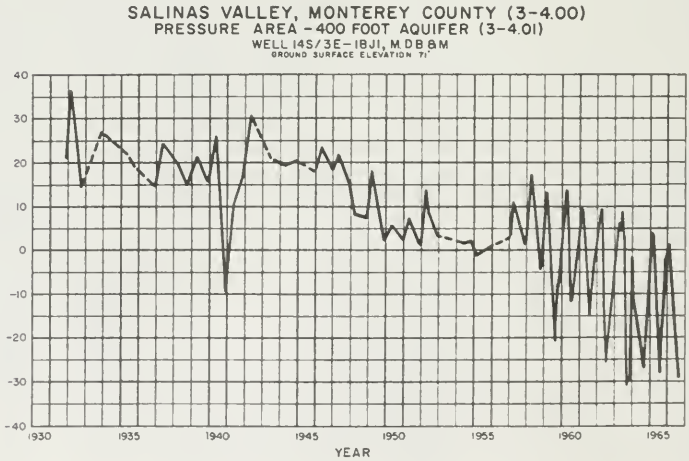


FIGURE C1

FLUCTUATION OF WATER LEVEL IN WELLS CENTRAL COASTAL REGION



CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE.



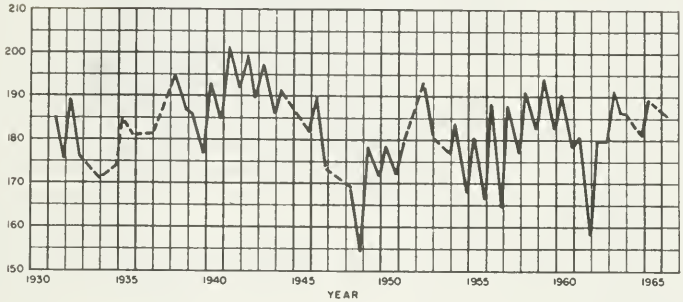
ELEVATION IN FEET — USC&GS DATUM

FIGURE CI

FLUCTUATION OF WATER LEVEL IN WELLS CENTRAL COASTAL REGION

ELEVATION IN FEET — USC&GS DATUM

SALINAS VALLEY, MONTEREY COUNTY (3-4.00)
ARROYO SECO CONE (3-4.04)
WELL 18S/6E-15M1, M.D.B.&M.
GROUND SURFACE ELEVATION 277'



CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE.

SALINAS VALLEY, MONTEREY COUNTY (3-4.00)
EAST SIDE AREA (3-4.02)
WELL 16S/5E-17R1, M.D.B.&M.
GROUND SURFACE ELEVATION 181'

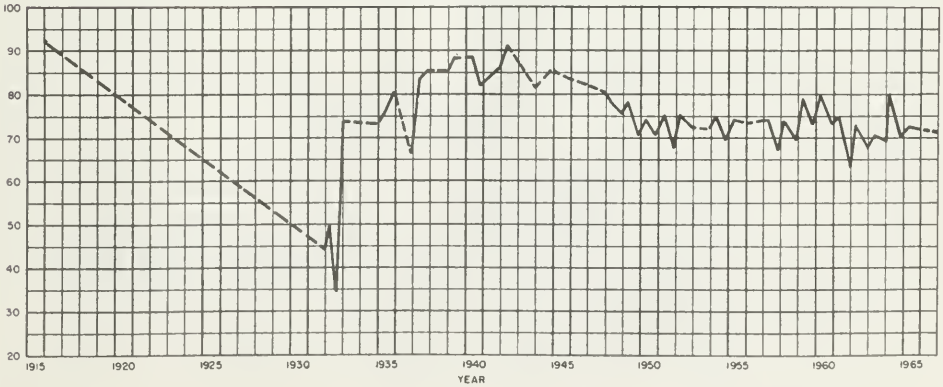
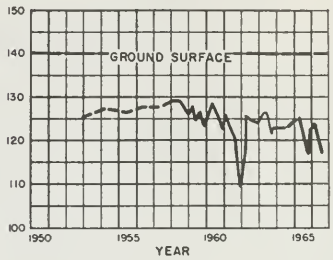


FIGURE C1

FLUCTUATION OF WATER LEVEL IN WELLS CENTRAL COASTAL REGION

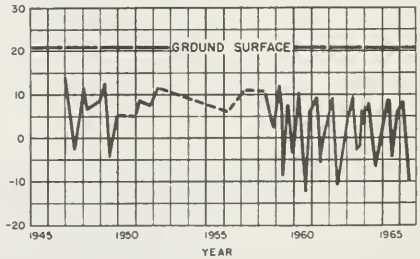
ELEVATION IN FEET — USC&GS DATUM

CARMEL VALLEY (3-7.00)
MONTEREY COUNTY
WELL 16S/1E-25B1, M.D.B.&M.
GROUND SURFACE ELEVATION 140'



---- CONNECTS MEASUREMENTS MADE AT INTERVALS OF A YEAR OR MORE.

PAJARO VALLEY (3-2.00)
MONTEREY COUNTY
WELL 12S/2E-16J1, M.D.B.&M.
GROUND SURFACE ELEVATION 21'



SALINAS VALLEY, MONTEREY COUNTY (3-4.00)
UPPER VALLEY AREA (3-4.05)
WELL 19S/7E-10P1, M.D.B.&M
GROUND SURFACE ELEVATION 318'

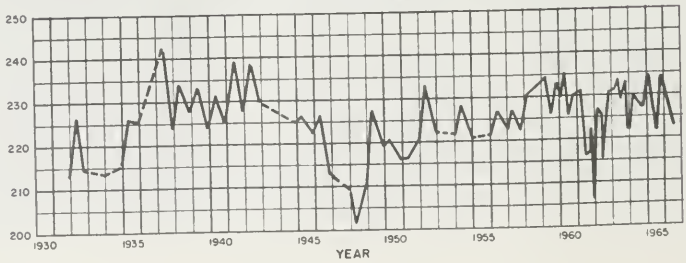


TABLE C-1

AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED

GROUND WATER BASIN OR AREA		AVERAGE CHANGE SPRING 1965 TO SPRING 1966 IN FEET	MEASURING AGENCY	NUMBER OF WELLS MEASURED		
NAME	NUMBER			MONTHLY 1965-66	FALL 1965	SPRING 1966
NORTH COASTAL REGION						
Potter Valley	1-14.00	+0.3	U. S. Geological Survey	2		
Ukiah Valley	1-15.00	-1.0	U. S. Geological Survey	2		
Sanel Valley	1-16.00	-0.2	U. S. Geological Survey	3		
Alexander Valley	1-17.00	+0.4	U. S. Geological Survey	6		
Santa Rosa Valley	1-18.00	+1.4				
Santa Rosa Area	1-18.01	+1.4	U. S. Geological Survey	3		
			Department of Water Resources			9
Healdsburg Area	1-18.02	+1.3	U. S. Geological Survey	9		
Lower Russian River Valley	1-98.00	-0.9	U. S. Geological Survey	3		
SAN FRANCISCO BAY REGION						
Petaluma Valley	2-01.00	+0.8	Department of Water Resources	3		3
Napa-Sonoma Valley	2-02.00	+0.4				
Napa Valley	2-02.01	+0.9	Napa County			114
			Department of Water Resources	4		
Sonoma Valley	2-02.02	-0.7	Department of Water Resources	4		1
Suisun-Fairfield Valley	2-03.00	+0.1	Solano County		16	
			Department of Water Resources	6		
Ygnacio Valley	2-06.00	-0.6	Department of Water Resources	4		1
Santa Clara Valley	2-09.00	+6.8				
East Bay Area	2-09.01	+2.7	Alameda County FC&WCD		50	47
			Alameda County Water District	5	365	369
			Department of Water Resources	3		
South Bay Area	2-09.02	+9.5	Santa Clara Valley WCD	235		
			U. S. Geological Survey	3		
Livermore Valley	2-10.00	-3.1	Alameda County FC&WCD	9	148	146
Half Moon Bay Terrace	2-22.00	+0.6	Department of Water Resources	3		4
San Gregorio Valley	2-24.00	-0.5	Department of Water Resources	2		3
Pescadero Valley	2-26.00	+1.2	Department of Water Resources	3		4

TABLE C-1

AVERAGE CHANGE OF GROUND WATER LEVELS
AND SUMMARY OF WELL MEASUREMENTS REPORTED

GROUND WATER BASIN OR AREA		AVERAGE CHANGE SPRING 1965 TO SPRING 1966 IN FEET	MEASURING AGENCY	NUMBER OF WELLS MEASURED		
NAME	NUMBER			MONTHLY 1965-66	FALL 1965	SPRING 1966
CENTRAL COASTAL REGION						
Soquel Valley	3-01.00	+0.5	Santa Cruz County			1
			Department of Water Resources	3		
Pajaro Valley	3-02.00	-0.9	City of Watsonville			8
			Monterey County FC&WCD	4	43	36
			Santa Cruz County			41
			Department of Water Resources	6		4
Gilroy-Hollister Valley	3-03.00	-0.8				
South Santa Clara County	3-03.01	-2.3	City of Gilroy	5		
			Santa Clara Valley WCD	16		
			South Santa Clara Valley WCD		23	20
			Department of Water Resources	5		18
San Benito County	3-03.02	0.0	Pacheco Pass Water District		24	26
			San Benito County			54
			Department of Water Resources	5		2
Salinas Valley	3-04.00	-1.8				
Pressure Area	3-04.01	-4.6	Monterey County FC&WCD	15	169	159
East Side Area	3-04.02	-6.1	Monterey County FC&WCD	10	99	72
Forebay Area	3-04.03	-1.3	Monterey County FC&WCD	8	52	44
Arroyo Seco Cone	3-04.04	-2.4	Monterey County FC&WCD	4	25	21
Upper Valley Area	3-04.05	-1.2	Monterey County FC&WCD	7	47	33
Paso Robles Basin	3-04.06	-1.3	San Luis Obispo County FC&WCD		96	98
Seaside Area	3-04.08	-0.8	Monterey County FC&WCD		16	18
			Post Engineer, Fort Ord	2		
Langley Area	3-04.09	0.0	Monterey County FC&WCD		13	11
Corral de Tierra Area	3-04.10	+0.6	Monterey County FC&WCD	4	24	25
Carmel Valley	3-07.00	-0.3	Monterey County FC&WCD	4	33	30
West Santa Cruz Terrace	3-26.00	+0.1	Santa Cruz County			5
TOTAL				410	1243	1427

Ground Water Levels at Wells

Following is an explanation of the column headings and the code symbols used in the tables showing ground water levels at wells:

State Well Number - See Appendix C, Introduction.

Ground Surface Elevation - These numbers indicate the elevation in feet above mean sea level (USC&GS datum) of the ground surface at the well. Elevations of ground surface are usually taken from topographic maps and the accuracy is controlled by topographic standards.

Date - The date shown in the column is the date when the depth measurement given in the next column was made. If the day of the month is unknown, it is indicated by 00.

Ground Surface to Water Surface - This is the measured depth in feet from the ground surface to the water surface in the well. Certain depth measurements in the column may be preceded by a number in parenthesis to indicate a questionable measurement. The code applicable to these "questionable measurements" is as follows:

(0) Caved or deepened
(1) Pumping
(2) Nearby pump operating
(3) Casing leaking or wet
(4) Pumped recently
(5) Air or pressure gage measurement
(6) Other
(7) Recharge operation at or near well
(8) Oil in casing

When a measurement was attempted but could not be obtained, then only a number in parenthesis is shown in the column. The code applicable to these "no measurements" is as follows:

(0) Measurements discontinued
(1) Pumping
(2) Pumphouse locked
(3) Tape hung up
(4) Cannot get tape in casing
(5) Unable to locate well
(6) Well has been destroyed
(7) Special
(8) Casing leaking or wet
(9) Temporarily inaccessible

The words FLOW and DRY are shown in this column to indicate a flowing or dry well, respectively. A minus preceding the number in this column indicates that the static water level in the well is this distance in feet above the ground surface.

Water Surface Elevation - This is the elevation in feet above mean sea level (USC&GS datum) of the water surface in the well. It was derived by subtraction of the depth measurement from the ground surface elevation.

Agency Supplying Data - Each number in this column is the code number for the agency supplying data for that measurement. The agencies supplying data for this report and the code numbers assigned to them are as follows:

Agency Code	Agency
	North Coastal Region (No. 1)
5000	U. S. Geological Survey
5050	Department of Water Resources
	San Francisco Bay Region (No. 2)
2400	Santa Clara Valley Water Conservation District
5000	U. S. Geological Survey
5050	Department of Water Resources
5100	Alameda County Flood Control and Water Conservation District
5101	Napa County
5109	Solano County
5401	Alameda County Water District
	Central Coastal Region (No. 3)
2100	Monterey County Flood Control and Water Conservation District
2400	Santa Clara Valley Water Conservation District
5050	Department of Water Resources
5005	Post Engineer, Fort Ord
5101	San Benito County
5102	Santa Cruz County
5117	San Luis Obispo County Flood Control and Water Conservation District
5200	Gilroy, City of
5400	South Santa Clara Valley Water Conservation District

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NORTH COASTAL REGION (No. 1)					
POTTER VALLEY 1-14.00					
17N/11W-18J01 M	955.0	11-10-65	-0.4	955.4	5000
		12-09-65	-1.2	956.2	
		1-18-66	-0.2	955.2	
		2-23-66	0.7	954.3	
		3-22-66	-1.3	956.3	
		4-19-66	-1.1	956.1	
		8-23-66	3.5	951.5	5050
17N/11W-32J01 M	895.0	11-10-65	4.8	890.2	5000
		12-09-65	1.6	893.4	
		1-18-66	0.9	894.1	
		2-23-66	0.7	894.3	
		3-22-66	1.2	893.8	
		4-19-66	2.0	893.0	
		8-18-66	3.4	891.6	5050
UKIAH VALLEY 1-15.00					
15N/12W-08L01 M	665.0	11-10-65	26.9	638.1	5000
		12-10-65	21.1	643.9	
		1-18-66	16.1	648.9	
		2-23-66	17.0	648.0	
		3-24-66	17.6	647.4	
		4-21-66	19.2	645.8	
		8-23-66	24.7	640.3	5050
15N/12W-35M01 M	600.0	11-10-65	10.2	589.8	5000
		12-10-65	6.8	593.2	
		1-18-66	3.9	596.1	
		2-23-66	3.3	596.7	
		3-24-66	(4) 4.4	595.6	
		4-21-66	(4) 5.1	594.9	
		8-23-66	3.4	596.6	5050
SANEL VALLEY 1-16.00					
13N/11W-18E01 M	490.0	11-10-65	(1)		5000
		12-10-65	11.0	479.0	
		1-18-66	8.9	481.1	
		2-23-66	9.8	480.2	
		3-24-66	(4) 9.7	480.3	
		4-21-66	(1)		
		8-23-66	(1) 12.3	477.7	5050
SANEL VALLEY 1-16.00					
13N/11W-19P01 M	488.0	11-10-65	18.3	469.7	5000
		12-10-65	10.3	477.7	
		1-18-66	8.2	479.8	
		2-23-66	9.0	479.0	
		3-24-66	9.4	478.6	
		4-21-66	10.3	477.7	
		8-23-66	17.8	470.2	5050
13N/11W-20G01 M	515.0	11-10-65	(1)		5000
		12-10-65	5.7	509.3	
		1-18-66	4.6	510.4	
		2-23-66	4.6	510.4	
		3-24-66	4.7	510.3	
		4-21-66	5.0	510.0	
		8-23-66	(9)		5050
ALEXANDER VALLEY 1-17.00					
10N/09W-18B01 M	230.0	11-10-65	(1)		5000
		12-10-65	18.1	211.9	
		1-18-66	14.6	215.4	
		2-24-66	14.8	215.2	
		3-31-66	16.5	213.5	
		4-20-66	17.2	212.8	
		8-23-66	(1) 27.5	202.5	5050
10N/09W-26L02 M	205.0	11-10-65	26.0	179.0	5000
		12-10-65	11.6	193.4	
		1-18-66	2.5	202.5	
		2-24-66	6.3	198.7	
		3-31-66	2.1	202.9	
		4-20-66	2.6	202.4	
		8-23-66	13.0	192.0	5050
10N/09W-33C01 M	180.0	11-10-65	7.0	173.0	5000
		12-10-65	5.1	174.9	
		1-18-66	-1.9	181.9	
		2-24-66	3.8	176.2	
		3-31-66	14.6	165.4	
		4-20-66	15.6	164.4	
		8-23-66	7.5	172.5	5050
11N/10W-08P01 M	305.0	11-10-65	12.4	292.6	5000
		12-10-65	10.1	294.9	
		1-18-66	5.5	299.5	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
ALEXANDER VALLEY 1-17.00					
11N/10W-08P01 M	305.0	3-01-66	(4) 7.9	297.1	
		3-31-66	9.3	295.7	
		4-20-66	10.2	294.8	
		8-23-66	13.3	291.7	5050
11N/10W-17P02 M	292.0	11-10-65	10.0	282.0	5000
		12-10-65	9.0	283.0	
		1-18-66	6.1	285.9	
		3-01-66	6.9	285.1	
		3-31-66	7.9	284.1	
		4-20-66	8.7	283.3	
		8-23-66	10.4	281.6	5050
11N/10W-19F02 M	346.0	11-10-65	12.4	333.6	5000
		12-10-65	3.7	342.3	
		1-18-66	3.5	342.5	
		3-01-66	3.4	342.6	
		3-31-66	3.9	342.1	
		4-20-66	4.2	341.8	
		8-23-66	11.0	335.0	5050
SANTA ROSA VALLEY 1-18.00					
SANTA ROSA AREA 1-18.01					
06N/08W-07P02 M	95.0	11-11-65	23.5	71.5	5000
		12-10-65	19.9	75.1	
		1-18-66	16.4	78.6	
		2-24-66	12.0	83.0	
		3-30-66	13.7	81.3	
		4-20-66	14.6	80.4	
		8-24-66	(8) 25.7	69.3	5050
06N/08W-13R01 M	115.0	11-11-65	(1)		5000
		12-10-65	21.0	94.0	
		1-18-66	17.7	97.3	
		2-23-66	15.2	99.8	
		3-30-66	14.0	101.0	
		4-19-66	15.0	100.0	
		8-24-66	28.7	86.3	5050
06N/08W-15J03 M	95.0	4-12-66	11.2	83.8	5050
06N/08W-15R01 M	95.0	4-12-66	17.0	78.0	5050
07N/06W-19N01 M	465.0	4-13-66	6.0	459.0	5050
07N/07W-06R01 M	275.0	4-13-66	6.7	268.3	5050
SANTA ROSA AREA 1-18.01					
07N/08W-11M01 M	160.0	4-12-66	7.0	153.0	5050
07N/08W-24H02 M	190.0	4-12-66	12.9	177.1	5050
07N/09W-01C01 M	90.0	4-12-66	19.8	70.2	5050
07N/09W-35D02 M	135.0	4-12-66	30.4	104.6	5050
08N/09W-36N01 M	90.0	11-11-65	(7)		5000
		12-10-65	8.0	82.0	
		1-18-66	(7)		
		2-24-66	(7)		
		3-30-66	5.4	84.6	
		4-20-66	6.2	83.8	
		8-24-66	(5)		
08N/09W-36P01 M	90.0	4-12-66	53.3	36.7	5050
HEALDSBURG AREA 1-18.02					
08N/09W-03P01 M	77.0	11-11-65	(1)		5000
		11-30-65	(1)		
		1-15-66	(1)		
		2-11-66	(7)		
		3-14-66	8.8	68.2	
		4-15-66	(1)		
		5-16-66	5.1	71.9	
		6-20-66	5.8	71.2	
		7-15-66	6.6	70.4	
		8-22-66	7.0	70.0	
		9-15-66	7.3	69.7	
08N/09W-22L01 M	67.0	11-11-65	28.9	38.1	5000
		11-30-65	27.1	39.9	
		1-15-66	22.5	44.5	
		2-11-66	25.2	41.8	
		3-14-66	(1) 28.7	38.3	
		4-15-66	27.2	39.8	
		5-16-66	27.0	40.0	
		6-20-66	33.5	33.5	
		7-15-66	33.1	33.9	
		8-22-66	30.0	37.0	
		9-15-66	(4) 30.0	37.0	
09N/09W-20E02 M	100.0	11-10-65	16.9	83.1	5000
		11-30-65	13.8	86.2	
		1-15-66	13.6	86.4	
		2-11-66	13.4	86.6	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
HEALDSBURG AREA 1-18.02					
09N/09W-20E02 M	100.0	3-14-66	13.8	86.2	5000
		4-15-66	14.7	85.3	
		5-16-66	15.4	84.6	
		6-20-66	15.7	84.3	
		7-15-66	15.9	84.1	
		8-22-66	16.1	83.9	
		9-15-66	16.2	83.8	
09N/09W-20K04 M	97.0	11-10-65	7.9	89.1	5000
		11-30-65	3.6	93.4	
		1-15-66	1.8	95.2	
		2-11-66	1.5	95.5	
		3-14-66	1.9	95.1	
		4-15-66	2.9	94.1	
		5-16-66	4.0	93.0	
		6-20-66	5.4	91.6	
		7-15-66	5.6	91.4	
		8-22-66	6.2	90.8	
		9-15-66	6.8	90.2	
09N/09W-28N01 M	90.0	11-11-65	23.1	66.9	5000
		11-30-65	14.6	75.4	
		1-15-66	14.0	76.0	
		2-11-66	13.7	76.3	
		3-14-66	14.5	75.5	
		4-15-66	15.5	74.5	
		5-16-66	16.2	73.8	
		6-20-66	16.8	73.2	
		7-15-66	19.2	70.8	
		8-22-66	22.1	67.9	
		9-15-66	23.0	67.0	
09N/10W-12C01 M	120.0	11-10-65	(1)		5000
		11-30-65	11.7	108.3	
		1-15-66	11.2	108.8	
		2-11-66	10.8	109.2	
		3-14-66	(1) 16.9	103.1	
		4-28-66	12.3	107.7	
		5-16-66	12.7	107.3	
		6-20-66	17.1	102.9	
		7-15-66	17.1	102.9	
		8-22-66	13.1	106.9	
		9-15-66	13.1	106.9	
10N/10W-22D01 M	180.0	11-10-65	11.5	168.5	5000
		11-30-65	9.0	171.0	
		1-15-66	7.9	172.1	
HEALDSBURG AREA 1-18.02					
10N/10W-22D01 M	180.0	2-11-66	7.5	172.5	5000
		3-14-66	7.5	172.5	
		4-15-66	9.9	170.1	
		5-16-66	10.0	170.0	
		6-20-66	10.5	169.5	
		7-15-66	(1) 12.1	167.9	
		8-22-66	(1) 13.6	166.4	
		9-15-66	(1) 11.3	168.7	
10N/10W-26M01 M	161.0	11-10-65	9.6	151.4	5000
		11-30-65	8.1	152.9	
		1-15-66	7.0	154.0	
		2-11-66	6.7	154.3	
		3-14-66	7.1	153.9	
		4-15-66	8.8	152.2	
		5-16-66	9.4	151.6	
		6-20-66	9.8	151.2	
		7-15-66	9.0	152.0	
		8-22-66	10.9	150.1	
		9-15-66	11.7	149.3	
10N/10W-35Q01 M	142.0	11-10-65	6.8	135.2	5000
		11-30-65	0.9	141.1	
		1-15-66	0.5	141.5	
		2-11-66	0.5	141.5	
		3-14-66	0.5	141.5	
		4-15-66	1.5	140.5	
		5-16-66	2.3	139.7	
		6-20-66	3.2	138.8	
		7-15-66	3.9	138.1	
		8-22-66	5.0	137.0	
		9-15-66	5.5	136.5	
LOWER RUSSIAN RIVER VALLEY 1-98.00					
07N/10W-06N01 M	25.0	11-11-65	20.8	4.2	5000
		12-10-65	18.9	6.1	
		1-18-66	(7)		
		2-24-66	17.8	7.2	
		3-30-66	19.2	5.8	
		4-20-66	19.7	5.3	
		8-24-66	20.9	4.1	5050
07N/11W-14E01 M	25.0	11-11-65	19.0	6.0	5000
		12-10-65	16.2	8.8	
		1-18-66	17.2	7.8	
		2-24-66	17.1	7.9	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
LOWER RUSSIAN RIVER VALLEY 1-98.00					
07N/11W-14E01 M	25.0	3-30-66	18.0	7.0	5000
		4-20-66	17.6	7.4	
		8-24-66	23.4	1.6	5050
08N/10W-29D02 M	50.0	11-11-65	(7)		5000
		12-10-65	4.0	46.0	
		1-18-66	3.4	46.6	
		2-24-66	3.1	46.9	
		3-30-66	3.7	46.3	
		4-20-66	4.0	46.0	
		8-24-66	4.6	45.4	5050

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN FRANCISCO BAY REGION (No. 2)					
PETALUMA VALLEY 2-01.00					
03N/06W-01Q01 M	2.0	4-12-66	(1) 2.1	-0.1	5050
05N/07W-19N01 M	45.0	4-12-66	4.0	41.0	5050
05N/07W-20B02 M	41.0	10-22-65	69.3	-28.3	5050
		11-16-65	58.7	-17.7	
		12-17-65	52.7	-11.7	
		1-18-66	53.8	-12.8	
		2-15-66	52.5	-11.5	
		3-15-66	52.0	-11.0	
		4-12-66	53.2	-12.2	
		5-17-66	56.7	-15.7	
		6-17-66	67.3	-26.3	
		7-21-66	63.6	-22.6	
		8-17-66	74.7	-33.7	
		9-19-66	70.2	-29.2	
05N/07W-21H01 M	65.0	10-22-65	45.1	19.9	5050
		11-16-65	45.5	19.5	
		12-17-65	46.1	18.9	
		1-18-66	40.7	24.3	
		2-15-66	35.5	29.5	
		3-15-66	33.5	31.5	
		4-12-66	34.2	30.8	
		5-17-66	35.2	29.8	
		6-17-66	43.6	21.4	
		7-21-66	40.7	24.3	
		8-17-66	(1) 47.2	17.8	
		9-19-66	44.5	20.5	
05N/07W-26R01 M	53.6	10-22-65	(4) 27.0	26.6	5050
		11-16-65	(4) 26.5	27.1	
		12-17-65	(4) 26.0	27.6	
		1-18-66	23.6	30.0	
		2-15-66	(4) 21.7	31.9	
		3-15-66	20.7	32.9	
		4-12-66	20.2	33.4	
		5-17-66	(1) 25.1	28.5	
		6-17-66	23.1	30.5	
		7-21-66	(1) 30.1	23.5	
		8-17-66	(1) 30.4	23.2	
		9-19-66	29.0	24.6	
05N/07W-35K01 M	18.8	4-12-66	10.5	8.3	5050

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAPA-SONOMA VALLEY	2-02.00				
NAPA VALLEY	2-02.01				
04N/04W-02L01 M	25.0	5-17-66	9.7	15.3	5101
04N/04W-04C01 M	12.0	4-06-66	8.1	3.9	5101
04N/04W-05B01 M	31.0	4-06-66	14.5	16.5	5101
04N/04W-05D02 M	22.0	4-06-66	5.4	16.6	5101
04N/04W-12M01 M	48.0	4-06-66	17.2	30.8	5101
04N/04W-14C02 M	34.0	4-06-66	32.8	1.2	5101
04N/04W-25K01 M	37.0	4-06-66	2.5	34.5	5101
05N/03W-05M01 M	255.0	4-11-66	(4) 81.8	173.2	5101
05N/04W-03G01 M	18.0	4-12-66	6.0	12.0	5101
05N/04W-04G01 M	63.5	4-12-66	27.7	35.8	5101
05N/04W-04Q01 M	58.0	4-12-66	12.1	45.9	5101
05N/04W-05P01 M	121.0	4-12-66	0.4	120.6	5101
05N/04W-05P02 M	122.0	4-12-66	19.0	103.1	5101
05N/04W-10F01 M	30.0	4-11-66	2.4	27.6	5101
05N/04W-11F03 M	16.0	4-11-66	14.0	2.4	5101
05N/04W-11M01 M	13.0	10-22-65	8.7	4.3	5050
		11-16-65	7.9	5.1	
		12-15-65	7.3	5.7	
		1-18-66	5.4	7.6	
		2-15-66	5.9	7.1	
		3-15-66	6.3	6.7	
		4-13-66	7.6	5.4	
		5-17-66	8.1	4.9	
		6-15-66	8.4	4.6	
		7-20-66	8.4	4.6	
		8-17-66	9.2	3.8	
		9-19-66	8.8	4.2	
05N/04W-12F01 M	130.0	4-11-66	51.7	78.3	5101
05N/04W-12H01 M	121.0	4-11-66	48.2	72.8	5101

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAPA VALLEY	2-02.01				
05N/04W-13H01 M	132.0	4-11-66	9.0	123.0	5101
05N/04W-13H02 M	120.0	4-11-66	12.7	107.3	5101
05N/04W-14C01 M	17.0	4-11-66	(4) 9.4	7.6	5101
05N/04W-15C02 M	22.0	4-6-66	19.4	2.6	5101
05N/04W-15E01 M	22.0	4-6-66	16.0	6.0	5101
05N/04W-19R02 M	110.0	4-6-66	9.8	100.2	5101
05N/04W-20R02 M	50.0	4-6-66	4.6	45.4	5101
05N/04W-21B01 M	75.0	4-6-66	26.6	48.4	5101
05N/04W-22M01 M	12.0	4-6-66	0.2	11.8	5101
05N/04W-28R01 M	37.0	4-6-66	44.9	-7.9	5101
05N/04W-29H01 M	77.0	4-6-66	26.4	50.6	5101
06N/03W-31B01 M	240.0	4-12-66	100.4	139.6	5101
06N/03W-31F01 M	145.0	4-14-66	29.4	115.6	5101
06N/03W-31H01 M	180.0	4-14-66	62.6	117.4	5101
06N/03W-31N01 M	170.0	4-12-66	44.0	126.0	5101
06N/03W-31N02 M	167.0	4-12-66	52.6	114.4	5101
06N/04W-05R01 M	67.0	4-15-66	4.7	62.3	5101
06N/04W-06L02 M	80.0	4-15-66	10.1	69.9	5101
06N/04W-06N01 M	75.0	4-14-66	4.6	70.4	5101
06N/04W-06P01 M	75.0	4-14-66	13.5	61.5	5101
06N/04W-07N01 M	135.0	4-14-66	17.6	117.4	5101
06N/04W-08E01 M	70.0	4-14-66	7.2	62.8	5101
06N/04W-15Q01 M	67.0	4-13-66	(4) 59.9	7.1	5101
06N/04W-16P01 M	62.0	4-13-66	10.3	51.7	5101

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAPA VALLEY 2-02.01					
06N/04W-17A01 M	67.0	10-22-65	14.2	52.8	5050
		11-16-65	14.0	53.0	
		12-15-65	12.2	54.8	
		1-18-66	5.5	61.5	
		2-15-66	4.8	62.2	
		3-15-66	5.6	61.4	
		4-13-66	6.6	60.4	
		5-17-66	11.2	55.8	
		6-15-66	(4) 17.3	49.7	
		7-20-66	15.1	51.9	
		8-18-66	(1)		
		9-19-66	17.8	49.2	
06N/04W-18A02 M	85.0	4-14-66	20.3	64.7	5101
06N/04W-19B01 M	125.0	4-05-66	18.7	106.3	5101
06N/04W-21G01 M	61.0	4-13-66	1.0	60.0	5101
06N/04W-22P01 M	53.0	4-13-66	18.0	35.0	5101
06N/04W-23J01 M	87.0	4-13-66	12.8	74.2	5101
06N/04W-26N01 M	32.0	4-13-66	15.9	16.1	5101
06N/04W-27N01 M	50.0	4-13-66	23.8	26.2	5101
06N/04W-28K01 M	62.0	4-14-66	14.5	47.5	5101
06N/04W-29B01 M	92.0	4-14-66	6.1	85.9	5101
06N/04W-30C01 M	149.0	4-05-66	7.4	141.6	5101
06N/04W-32J06 M	94.0	4-05-66	8.9	85.1	5101
06N/04W-32L02 M	107.0	4-05-66	29.2	77.8	5101
06N/04W-35G03 M	38.0	4-13-66	16.1	21.9	5101
06N/04W-35L03 M	23.0	4-13-66	12.7	10.3	5101
06N/04W-36H01 M	105.0	4-12-66	24.9	80.1	5101
06N/05W-12R01 M	180.0	4-14-66	26.5	153.5	5101
07N/04W-30L01 M	112.0	4-15-66	1.8	110.2	5101
07N/04W-30M01 M	114.0	4-15-66	1.6	112.4	5101

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAPA VALLEY 2-02.01					
07N/04W-31E01 M	90.0	4-14-66	3.7	86.3	5101
07N/04W-32B02 M	180.0	4-15-66	2.7	177.3	5101
07N/05W-03G01 M	188.0	4-21-66	28.0	160.0	5101
07N/05W-03G02 M	188.0	4-21-66	48.0	140.0	5101
07N/05W-04R02 M	172.0	4-21-66	12.5	159.5	5101
07N/05W-05A01 M	182.0	4-21-66	1.1	180.9	5101
07N/05W-06J01 M	215.0	4-21-66	20.2	194.8	5101
07N/05W-08A01 M	175.0	4-21-66	14.3	160.7	5101
07N/05W-08M01 M	190.0	4-21-66	(4) 22.4	167.6	5101
07N/05W-09Q01 M	155.0	4-21-66	(8) 11.6	143.4	5101
07N/05W-09Q02 M	155.0	10-22-65	15.6	139.4	5050
		11-16-65	15.5	139.5	
		12-15-65	13.4	141.6	
		1-18-66	8.3	146.7	
		2-15-66	7.5	147.5	
		3-15-66	7.9	147.1	
		4-13-66	9.4	145.6	
		5-19-66	10.9	144.1	
		6-15-66	13.0	142.0	
		7-20-66	14.1	140.9	
		8-18-66	13.4	141.6	
		9-19-66	16.6	138.4	
07N/05W-09Q03 M	155.0	4-21-66	5.7	149.3	5101
07N/05W-10C01 M	162.2	4-21-66	12.0	150.2	5101
07N/05W-14B02 M	139.0	4-22-66	6.4	132.6	5101
07N/05W-14J01 M	140.0	4-22-66	7.9	132.1	5101
07N/05W-15A01 M	143.0	4-22-66	10.2	132.8	5101
07N/05W-15F01 M	141.0	4-22-66	10.9	130.1	5101
07N/05W-16L01 M	171.0	4-22-66	15.5	155.5	5101
07N/05W-16N02 M	193.0	4-22-66	21.5	171.5	5101

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
NAPA VALLEY 2-02.01					
07N/05W-17B01 M	166.0	4-21-66	6.5	159.5	5101
07N/05W-17B02 M	161.0	4-21-66	0.4	160.6	5101
07N/05W-21G01 M	152.0	4-15-66	-0.6	152.6	5101
07N/05W-22E03 M	140.0	4-15-66	0.4	139.6	5101
07N/05W-22H01 M	133.0	4-15-66	5.9	127.1	5101
07N/05W-23D02 M	127.0	4-15-66	1.5	125.5	5101
07N/05W-23Q01 M	115.0	4-22-66	3.4	111.6	5101
07N/05W-24P01 M	127.0	4-22-66	6.2	120.8	5101
07N/05W-25A01 M	163.0	4-15-66	16.4	146.6	5101
07N/05W-26D02 M	127.0	4-15-66	(4) 2.2	124.8	5101
07N/05W-34C02 M	190.0	4-15-66	9.6	108.4	5101
07N/05W-35F02 M	175.0	4-15-66	2.9	172.1	5101
07N/05W-36N01 M	141.0	4-22-66	4.3	136.7	5101
08N/05W-30P01 M	220.0	4-20-66	1.7	218.3	5101
08N/05W-31H01 M	212.0	4-20-66	(4) 16.5	195.5	5101
08N/05W-31P02 M	237.0	4-20-66	19.8	217.2	5101
08N/05W-31R01 M	210.0	4-21-66	14.5	195.5	5101
08N/06W-03M01 M	330.0	4-19-66	31.8	298.2	5101
08N/06W-04F01 M	330.0	4-18-66	(4) 70.7	259.3	5101
08N/06W-06L04 M	335.0	4-21-66	6.6	328.4	5101
08N/06W-09D02 M	290.0	4-19-66	11.6	278.4	5101
08N/06W-09H01 M	290.0	4-19-66	3.5	286.5	5101
08N/06W-09H02 M	291.5	4-19-66	(4) 3.7	287.8	5101
08N/06W-10Q01 M	290.0	10-22-65	8.1	281.9	5050
		11-16-65	8.0	282.0	
		12-15-65	5.9	284.1	
NAPA VALLEY 2-02.01					
08N/06W-10Q01 M	290.0	1-18-66	1.5	288.5	5050
		2-15-66	1.5	288.5	
		3-15-66	1.7	288.3	
		4-13-66	1.8	288.2	
		5-19-66	3.4	286.6	
		6-15-66	4.3	285.7	
		7-20-66	6.1	283.9	
		8-18-66	7.8	282.2	
		9-16-66	8.7	281.3	
08N/06W-14N01 M	285.0	4-20-66	11.3	173.7	5101
08N/06W-14Q01 M	250.0	4-18-66	7.8	242.2	5101
08N/06W-23M01 M	285.0	4-20-66	8.6	276.4	5101
08N/06W-24B01 M	300.0	4-19-66	8.3	291.7	5101
08N/06W-25G02 M	230.0	4-20-66	7.5	222.5	5101
09N/06W-31Q01 M	340.0	4-19-66	3.9	336.1	5101
09N/06W-32M01 M	360.0	4-18-66	(4) 16.5	343.5	5101
09N/07W-24L01 M	460.0	4-18-66	8.8	451.2	5101
09N/07W-25N01 M	380.0	4-18-66	(4) 4.7	373.5	5101
09N/07W-25N02 M	380.0	4-18-66	6.6	373.4	5101
09N/07W-26P01 M	400.0	4-18-66	1.0	399.0	5101
09N/07W-35K01 M	399.0	4-18-66	2.6	396.4	5101
SONOMA VALLEY 2-02.02					
05N/05W-17C01 M	85.0	10-22-65	22.7	62.3	5050
		11-16-65	23.1	61.9	
		12-17-65	21.4	63.6	
		1-18-66	15.5	69.5	
		2-15-66	20.6	64.4	
		3-15-66	17.8	67.2	
		4-13-66	19.2	65.8	
		5-17-66	17.5	67.5	
		6-17-66	19.1	65.9	
		7-21-66	20.9	64.1	
		8-17-66	22.2	62.8	
		9-19-66	21.6	63.4	

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GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SONOMA VALLEY 2-02.02					
05N/05W-28N01 M	11.0	4-13-66	7.9	3.1	5050
05N/05W-29N01 M	16.0	10-22-65	12.5	3.5	5050
		11-16-65	11.9	4.1	
		12-17-65	11.4	4.6	
		1-17-66	6.4	9.6	
		2-23-66	5.2	10.8	
		3-30-66	6.4	9.6	
		4-19-66	7.1	8.9	
		5-17-66	(6) 8.7	7.3	
		6-17-66	10.2	5.8	
		7-21-66	11.3	4.7	
		8-17-66	13.1	2.9	
		9-19-66	12.5	3.5	
05N/05W-30J03 M	16.0	10-22-65	(7)		5050
		11-16-65	12.4	3.6	
		12-17-65	11.7	4.3	
		1-18-66	9.3	6.7	
		2-15-66	6.3	9.7	
		3-15-66	7.6	8.4	
		4-13-66	7.6	8.4	
		5-17-66	10.2	5.8	
		6-17-66	12.8	3.2	
		7-21-66	(1) 21.5	-5.5	
		8-17-66	(4) 26.9	-10.9	
		9-19-66	14.8	1.2	
SUISUN-FAIRFIELD VALLEY 2-03.00					
04N/02W-06A01 M	35.0	10-00-65		(7)	5109
		3-00-66		(7)	
04N/02W-09A01 M	7.0	10-21-65	3.8	3.2	5050
		11-15-65	3.6	3.4	
		12-17-65	3.3	3.7	
		1-21-66	1.6	5.4	
		2-16-66	0.9	6.1	
		3-19-66	0.9	6.1	
		4-14-66	1.3	5.7	
		5-17-66	1.5	5.5	
		6-16-66	1.6	5.4	
		7-19-66	1.7	5.3	
		8-22-66	1.8	5.2	
		9-19-66	1.8	5.2	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SUISUN-FAIRFIELD VALLEY 2-03.00					
04N/02W-09H01 M	4.0	10-21-65	(1) 3.9	0.1	5050
		11-15-65	1.4	2.6	
		12-17-65	1.0	3.0	
		1-21-66	1.1	2.9	
		2-16-66	0.7	3.3	
		3-19-66	(3) 1.2	2.8	
		4-14-66	0.6	3.4	
		5-16-66	1.5	2.5	
		6-16-66	(4) 4.1	-0.1	
		7-19-66	1.3	2.7	
		8-22-66	(1) 13.6	-9.3	
		9-19-66	2.1	1.9	
04N/03W-01D01 M	37.0	10-12-65	7.4	29.6	5109
		3-00-66	(7)		
05N/01E-36A01 M	24.0	10-06-65	10.0	14.0	5109
		3-00-66	(7)		
05N/01W-07E01 M	115.0	10-11-65	13.8	101.2	5109
		3-00-66	(7)		
05N/02W-21P03 M	60.0	10-21-65	11.1	48.9	5050
		11-25-65	13.0	47.0	
		12-17-65	13.4	46.6	
		1-21-66	8.9	51.1	
		2-16-66	8.1	51.9	
		3-19-66	8.5	51.5	
		4-14-66	8.8	51.2	
		5-17-66	7.8	52.2	
		6-16-66	(4) 16.5	43.5	
		7-19-66	11.3	48.7	
		8-22-66	10.1	49.9	
		9-19-66	11.0	49.0	
05N/02W-25R01 M	7.0	10-21-65	5.9	1.1	5050
		11-15-65	5.4	1.6	
		12-17-65	4.4	2.6	
		1-21-66	1.3	5.7	
		2-16-66	1.2	5.8	
		3-19-66	2.4	4.6	
		4-14-66	3.6	3.4	
		5-18-66	4.7	2.3	
		6-16-66	5.3	1.7	
		7-19-66	5.9	1.1	
		8-22-66	6.1	0.9	
		9-19-66	6.2	0.8	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SUISUN-FAIRFIELD VALLEY 2-03.00					
05N/02W-27J02 M	24.0	10-21-65	6.5	17.5	5050
		11-15-65	5.8	18.2	
		12-17-65	5.9	18.1	
		1-21-66	(2) 8.1	15.9	
		2-16-66	(2) 32.1	-8.1	
		3-19-66	6.2	17.8	
		4-14-66	5.8	18.2	
		5-17-66	7.0	17.0	
		6-16-66	6.7	17.3	
		7-19-66	6.8	17.2	
05N/02W-29R01 M	46.0	8-22-66	(2) 9.4	14.6	5109
		9-19-66	8.0	16.0	
05N/02W-30J01 M	65.4	10-21-65	(8) 21.2	43.8	5050
		11-15-65	(8) 21.7	43.8	
		12-17-65	(8) 22.3	42.7	
		1-21-66	(8) 20.4	44.6	
		2-16-66	(8) 20.1	44.9	
		3-19-66	(8) 21.3	43.7	
		4-14-66	(8) 21.6	43.4	
		5-17-66	(8) 19.3	45.7	
		6-16-66	(8) 16.5	48.5	
		7-19-66	(8) 18.7	46.3	
		8-22-66	(8) 19.8	45.2	
		9-19-66	(8) 20.7	44.3	
YGNACIO VALLEY 2-06.00					
01N/01W-07K01 M	83.0	10-21-65	15.6	67.4	5050
		11-15-65	12.1	70.9	
		12-20-65	11.9	71.1	
		1-17-66	11.0	72.0	
		2-14-66	10.5	72.5	
		3-22-66	11.8	71.2	
		4-11-66	13.2	69.8	
		5-16-66	12.4	70.6	
		6-17-66	13.2	69.8	
		7-21-66	14.6	68.4	
		8-16-66	13.3	69.7	
		9-22-66	13.6	69.4	
01N/02W-11N01 M	63.0	10-21-65	13.8	49.2	5050
		11-15-65	13.5	49.5	
		12-20-65	12.3	50.7	
		1-17-66	11.6	51.4	
		2-14-66	11.5	51.5	
		3-22-66	12.2	50.8	
		4-11-66	11.9	51.1	
YGNACIO VALLEY 2-06.00					
01N/02W-11N01 M	63.0	5-16-66	12.7	50.3	5050
		6-17-66	13.8	49.2	
		7-21-66	14.7	48.3	
		8-16-66	14.7	48.3	
		9-22-66	13.7	49.3	
01N/02W-13P01 M	100.0	4-11-66	11.9	88.1	5050
02N/02W-27R01 M	15.0	10-21-65	5.2	9.8	5050
		11-15-65	4.0	11.0	
		12-20-65	3.2	11.8	
		1-17-66	2.3	12.7	
		2-14-66	1.7	13.3	
		3-22-66	2.5	12.5	
		4-11-66	2.7	12.3	
		5-16-66	5.0	10.0	
		6-17-66	6.5	8.5	
		7-21-66	6.7	8.3	
		8-16-66	7.6	7.4	
		9-22-66	7.7	7.3	
02N/02W-36E01 M	48.0	3-22-66	15.4	32.6	5050
		4-11-66	16.3	31.7	
		5-16-66	17.6	30.4	
		6-17-66	17.2	30.8	
		7-21-66	17.8	30.2	
		8-16-66	18.6	29.4	
		9-22-66	(1) 29.1	18.9	
SANTA CLARA VALLEY 2-09.00					
EAST BAY AREA ABOVE HAYWARD FAULT 2-09.01					
04S/01W-35P03 M	115.3	10-22-65	142.6	-27.3	5401
		11-19-65	144.7	-29.4	
		12-17-65	129.3	-14.0	
		1-14-66	119.9	-4.6	
		2-11-66	113.9	1.4	
		3-11-66	108.8	6.5	
		4-22-66	125.1	-9.8	
		5-20-66	133.1	-17.8	
		6-17-6	138.3	-23.0	
		7-15-66	140.7	-25.4	
		8-12-66	140.9	-25.6	
		9-19-66	143.0	-27.7	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
EAST BAY AREA UPPER AQUIFER 2.09.01					
03S/02W-08N02 M	48.0	10-20-65	(4) 22.9	25.1	5050
		11-15-65	(4) 23.5	24.5	
		12-21-65	22.9	25.1	
		1-17-66	21.6	26.4	
		2-14-66	20.9	27.1	
		3-22-66	(1) 22.4	25.6	
		4-11-66	(1) 22.2	25.8	
		5-18-66	(1) 21.2	26.8	
		6-14-66	(1) 21.7	26.3	
		7-20-66	(1) 24.0	24.0	
		8-16-66	23.4	24.6	
		9-22-66	24.2	23.8	
03S/02W-08R05 M	64.0	10-28-65	36.7	27.3	5100
		4-12-66	35.5	28.5	
03S/02W-19J01 M	30.0	10-20-65	13.0	17.0	5050
		11-15-65	13.1	16.9	
		12-21-65	12.6	17.4	
		1-17-66	11.8	18.2	
		2-14-66	11.2	18.8	
		3-22-66	11.4	18.6	
		4-11-66	11.8	18.2	
		5-18-66	12.2	17.8	
		6-14-66	12.5	17.5	
		7-20-66	12.9	17.1	
		8-16-66	13.1	16.9	
		9-22-66	13.6	16.4	
03S/03W-24Q02 M	7.0	10-28-65	7.1	-0.1	5100
		4-00-66	(9)		
04S/01W-18G01 M	41.0	10-29-65	85.8	-44.8	5401
		11-26-65	79.7	-38.7	
		12-23-65	79.6	-38.6	
		1-21-66	78.4	-37.4	
		2-18-66	71.0	-30.0	
		3-18-66	80.6	-39.6	
		4-29-66	70.6	-29.6	
		5-27-66	77.8	-36.8	
		6-24-66	80.1	-39.1	
		7-22-66	82.8	-41.8	
		8-19-66	79.2	-38.2	
		9-20-66	76.7	-35.7	
04S/01W-22P05 M	80.0	10-29-65	47.5	32.5	5100
		4-07-66	50.7	29.3	
EAST BAY AREA UPPER AQUIFER 2.09.01					
04S/02W-13C02 M	36.4	10-14-65	(4)		5401
		4-04-66	56.3	-19.9	
04S/02W-24Q02 M	33.0	10-29-65	57.9	-24.9	5100
		4-08-66	54.0	-21.0	
05S/01W-04F01 M	42.0	10-22-65	67.9	-25.9	5401
		11-19-65	68.8	-26.8	
		12-17-65	67.8	-25.8	
		1-14-66	68.3	-56.3	
		2-11-66	67.8	-25.8	
		3-11-66	66.9	-24.9	
		4-22-66	65.2	-23.2	
		5-20-66	65.1	-23.1	
		6-17-66	66.9	-24.9	
		7-15-66	66.6	-24.6	
		8-12-66	66.8	-24.8	
		9-19-66	67.3	-25.3	
05S/01W-09Q01 M	19.5	10-00-65	(6)		5100
EAST BAY AREA LOWER AQUIFER 2-09.01					
02S/03W-36R01 M	45.0	10-28-65	82.9	-37.9	5100
		4-14-66	92.5	-47.5	
03S/03W-24J01 M	11.0	11-02-65	78.0	-67.0	5100
		4-7-66	70.9	-59.9	
03S/03W-36R03 M	5.0	11-02-65	89.0	-84.0	5100
		4-12-66	76.0	-71.0	
04S/02W-02Q01 M	26.0	10-05-65	117.3	-91.3	5401
		4-05-66	88.1	-62.1	
		9-20-66	112.6	-86.6	
04S/02W-35R02 M	15.0	10-22-65	70.1	-55.1	5401
		11-19-65	66.0	-51.0	
		12-17-65	53.5	-38.5	
		1-14-66	48.9	-33.9	
		2-11-66	46.9	-31.9	
		3-11-66	44.7	-29.7	
		4-22-66	55.0	-40.0	
		5-20-66	64.5	-49.5	
		6-17-66	69.9	-54.9	
		7-15-66	71.8	-56.8	
		8-12-66	72.5	-57.5	
		9-20-66	69.7	-54.7	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
EAST BAY AREA LOWER AQUIFER		2-09.01			
04S/02W-36K01 M	24.0	10-22-65	82.1	-58.1	5401
		11-19-65	71.4	-47.4	
		12-17-65	64.9	-40.9	
		1-14-66	61.3	-37.3	
		2-11-66	59.0	-35.0	
		3-11-66	57.5	-33.5	
		4-22-66	67.1	-43.1	
		5-20-66	75.8	-51.8	
		6-17-66	82.0	-58.0	
		7-15-66	84.0	-60.0	
		8-12-66	85.1	-61.1	
		9-20-66	81.4	-57.4	
05S/01W-09M01 M	15.0	10-07-65	80.3	-65.3	5401
		4-07-66	59.0	-44.0	
		9-22-66	76.5	-61.5	
SOUTH BAY AREA		2-09.02			
06S/01E-07E01 M	15.8	10-25-65	128.6	-112.8	2400
		11-20-65	107.6	-91.8	
		12-20-65	109.4	-93.6	
		1-21-66	102.4	-86.6	
		2-23-66	88.5	-72.7	
		3-21-66	90.0	-74.2	
		4-22-66	94.4	-78.6	
		5-26-66	119.3	103.5	
		6-23-66	134.9	-119.1	
		7-26-66	135.3	-119.5	
		8-23-66	123.7	-107.9	
		9-26-66	(8) 122.9	-107.1	
06S/01E-21R01 M	138.0	10-21-65	235.3	-97.3	2400
		11-19-65	225.4	-87.4	
		12-20-65	218.5	-80.5	
		1-20-66	211.3	-73.3	
		2-21-66	206.2	-68.2	
		3-18-66	204.0	-66.0	
		4-21-66	205.9	-67.9	
		5-21-66	(1)		
		6-21-66	220.0	-82.0	
		7-25-66	218.7	-80.7	
		8-23-66	217.2	-79.2	
		9-23-66	227.3	-89.3	
06S/01E-23P02 M	240.5	10-20-65	117.4	123.1	2400
		11-20-65	116.2	124.3	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH BAY AREA		2-09.02			
06S/01E-23P02 M	240.5	12-08-65	120.9	119.6	2400
		1-19-66	126.3	114.2	
		2-21-66	128.1	112.4	
		3-17-66	125.0	115.5	
		4-19-66	121.9	118.6	
		5-20-66	119.1	121.4	
		6-20-66	118.5	122.0	
		7-20-66	118.1	122.4	
		8-22-66	120.2	120.3	
		9-22-66	122.5	118.0	
06S/01E-30M01 M	43.0	10-26-65	(6) 138.0	-95.0	2400
		11-22-65	(8) 125.9	-82.9	
		12-22-65	(8) 116.6	-73.6	
		1-24-66	(8) 109.8	-66.8	
		2-24-66	(8) 102.8	-59.8	
		3-22-66	(6) 101.0	-58.0	
		4-22-66	(6) 125.0	-82.0	
		5-25-66	141.4	-98.4	
		6-23-66	(6) 145.0	-102.0	
		7-27-66	(6) 158.0	-115.0	
		8-25-66	(8) 153.4	-110.4	
		9-27-66	(8) 158.2	-115.2	
06S/01W-23E01 M	21.0	10-18-65	139.6	-118.6	5000
		11-15-65	119.4	-98.4	
		1-14-66	99.2	-78.3	
		2-14-66	93.1	-72.1	
		3-14-66	89.8	-68.8	
		4-11-66	99.7	-78.7	
		5-09-66	161.2	-140.2	
		6-06-66	140.8	-119.8	
		7-05-66	134.1	-113.1	
		8-01-66	132.5	-111.5	
		8-29-66	136.8	-115.8	
		9-25-66	151.8	-130.8	
06S/02W-16R01 M	48.7	10-28-65	119.6	-70.9	2400
		11-24-65	113.8	-65.1	
		12-28-65	111.7	-63.0	
		1-26-66	112.4	-63.7	
		2-28-66	109.2	-60.5	
		3-28-66	108.4	-59.7	
		4-28-66	118.8	-70.1	
		5-27-66	119.8	-71.1	
		6-25-66	124.3	-75.6	
		7-28-66	128.9	-80.2	
		8-29-66	127.6	-78.9	
		9-29-66	125.8	-77.1	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET		WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH BAY AREA 2-09.02						
06S/02W-25C01 M	73.0	10-27-65	(8)	148.3	-75.3	2400
		11-23-65	(8)	141.8	-68.8	
		12-23-65	(8)	138.8	-65.8	
		1-25-66	(6)	134.0	-61.0	
		2-25-66	(8)	132.3	-59.3	
		3-23-66	(6)	133.0	-60.0	
		4-26-66	(6)	142.0	-69.0	
		5-24-66	(6)	146.0	-73.0	
		6-24-66	(6)	154.0	-81.0	
		7-28-66	(8)	160.3	-87.3	
		8-26-66	(6)	152.0	-79.0	
		9-28-66	(8)	163.2	-90.2	
06S/02W-35C01 M	140.1	10-28-65		269.4	-129.3	2400
		11-24-65	(3)	252.2	-112.1	
		12-27-65	(3)	246.6	-106.5	
		1-26-66	(3)	240.3	-100.2	
		2-25-66	(3)	232.4	-92.3	
		3-24-66	(3)	234.7	-94.6	
		4-28-66	(3)	255.6	-115.5	
		5-24-66		273.9	-133.8	
		6-25-66	(3)	279.8	-139.7	
		7-28-66	(3)	283.0	-142.9	
		8-26-66	(3)	278.8	-138.7	
		9-28-66		277.3	-137.2	
07S/01E-1K01 M	179.0	10-21-65		(9)		2400
		11-18-65		198.9	-19.9	
		12-17-65		196.4	-17.4	
		1-18-66		195.8	-16.8	
		2-21-66		192.2	-13.2	
		3-17-66		(7)		
		4-18-66	(6)	198.0	-19.0	
		5-20-66		200.7	-21.7	
		6-20-66		202.0	-23.0	
		7-20-66		(7)		
		8-22-66		(9)		
		9-22-66		(7)		
07S/01E-8L01 M	88.0	10-29-65		155.9	-67.9	2400
		11-24-65	(8)	143.6	-55.6	
		12-27-65		134.7	-46.7	
		1-27-66		137.6	-49.6	
		2-25-66		135.4	-47.4	
		3-24-66		135.0	-47.0	
		4-29-66	(8)	145.0	-57.0	
		5-26-66		159.0	-71.0	
		6-24-66		163.0	-75.0	
		7-29-66	(8)	167.7	-79.7	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET		WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH BAY AREA 2-09.02						
07S/01E-8L01 M	88.0	8-26-66	(8)	165.0	-77.0	2400
		9-26-66	(8)	167.4	-79.4	
07S/01E-9D02 M	95.9	10-18-65		188.7	-92.8	5000
		11-15-65		180.7	-84.8	
		1-14-66		161.3	-65.4	
		2-14-66		155.2	-59.3	
		3-14-66		153.9	-58.0	
		4-11-66		158.2	-62.3	
		5-09-66		173.9	-78.0	
		6-06-66		177.7	-81.8	
		7-05-66		188.1	-92.2	
		8-01-66		192.3	-96.4	
		8-29-66		200.7	-104.8	
		9-25-66		199.1	-103.2	
07S/01E-16C05 M	105.0	10-18-65		233.7	-128.7	5000
		11-15-65		217.9	-112.9	
		1-14-66		194.9	-89.9	
		2-14-66		175.5	-70.5	
		3-14-66		177.5	-72.5	
		4-11-66		193.2	-88.2	
		5-10-66		210.4	-105.4	
		6-06-66		221.1	-116.1	
		7-05-66		243.3	-138.3	
		8-01-66		245.4	-140.4	
		8-29-66		269.2	-164.2	
		9-25-66		254.8	-149.8	
07S/01E-31A02 M	151.6	10-04-65	(3)	178.7	-27.1	2400
		11-15-65	(3)	176.6	-25.0	
		12-07-65		179.4	-27.8	
		1-04-66		142.8	8.8	
		2-17-66	(3)	139.9	11.7	
		3-16-66	(3)	141.7	9.9	
		4-15-66	(6)	155.0	-3.4	
		5-17-66	(3)	173.8	-22.2	
		6-17-66	(6)	185.0	-33.4	
		7-19-66	(3)	193.0	-41.4	
		8-16-66		206.6	-55.0	
		9-16-66	(6)	214.0	-62.4	
07S/02E-7F01 M	130.0	10-20-65		143.3	-13.3	2400
		11-18-65		142.5	-12.5	
		12-17-65		138.8	-8.8	
		1-18-66		136.3	-6.3	
		2-21-66		136.8	-6.8	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH BAY AREA 2-09.02					
07S/02E-7F01 M	130.0	3-17-66	136.3	-6.3	2400
		4-18-66	136.7	-6.7	
		5-20-66	138.5	-8.5	
		6-20-66	140.2	-10.2	
		7-20-66	144.7	-14.7	
		8-22-66	145.2	-15.2	
		9-22-66	145.8	-15.8	
07S/02E-17H01 M	349.0	10-20-65	(8) 99.4	249.6	2400
		11-18-65	(8) 97.3	251.7	
		12-16-65	(8) 96.5	252.5	
		1-18-66	(8) 95.3	253.7	
		2-19-66	(8) 94.6	254.4	
		3-11-66	(8) 97.4	251.6	
		4-14-66	(8) 98.2	250.8	
		5-13-66	(8) 97.3	251.7	
		6-15-66	97.8	251.2	
		7-15-66	(8) 98.4	250.6	
		8-12-66	(8) 95.7	253.3	
		9-14-66	(8) 96.9	252.1	
07S/02E-33C01 M	462.0	10-19-65	22.3	439.7	2400
		11-17-65	22.6	439.4	
		12-16-65	20.5	441.5	
		1-18-66	21.1	440.9	
		2-19-66	20.7	441.3	
		3-11-66	21.3	440.7	
		4-14-66	19.9	442.1	
		5-13-66	20.6	441.4	
		6-15-66	21.2	440.8	
		7-15-66	22.6	439.4	
		8-12-66	23.1	438.9	
		9-14-66	22.6	439.4	
07S/01W-35C01 M	202.0	10-01-65	212.0	-10.0	2400
		11-01-65	210.0	-8.0	
		12-01-65	204.0	-2.0	
		1-03-66	203.0	-1.0	
		2-16-66	204.0	-2.0	
		3-01-66	203.0	-1.0	
		4-01-66	204.0	-2.0	
		5-01-66	208.0	-6.0	
		6-01-66	212.0	-10.0	
		7-01-66	217.0	-15.0	
		8-01-66	225.0	-23.0	
		9-01-66	232.0	-30.0	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH BAY AREA 2-09.02					
07S/02W-3Q01 M	216.7	10-01-65	366.0	-149.3	2400
		11-01-65	366.0	-149.3	
		12-01-65	364.0	-147.3	
		1-01-66	360.0	-143.3	
		2-01-66	338.0	-121.3	
		3-01-66	330.0	-113.3	
		4-28-66	332.0	-115.3	
		5-01-66	347.0	-130.3	
		6-01-66	354.0	-137.3	
		7-01-66	352.0	-135.3	
		8-01-66	360.0	-143.3	
		9-01-66	359.0	-142.3	
07S/02W-4B01 M	218.0	10-28-65	197.8	20.2	2400
		11-29-65	200.4	17.6	
		12-28-65	203.5	14.5	
		1-26-66	210.3	7.7	
		2-28-66	200.5	17.5	
		3-28-66	(7) 194.4	23.6	
		4-29-66	(7) 194.1	23.9	
		5-27-66	197.6	20.4	
		6-25-66	202.9	15.1	
		7-29-66	210.4	7.6	
		8-29-66	213.6	4.4	
		9-29-66	211.4	6.6	
07S/02W-22A01 M	340.0	10-29-65	23.8	316.2	2400
		11-29-65	25.4	314.6	
		12-28-65	23.8	316.2	
		1-27-66	23.5	316.5	
		2-28-66	22.3	317.7	
		3-28-66	21.1	318.9	
		4-29-66	(1)		
		5-27-66	22.8	317.2	
		6-25-66	(1)		
		7-29-66	(1)		
		8-29-66	(1) 76.6	263.4	
		9-29-66	(1)		
08S/01E-7H02 M	207.0	10-05-65	87.3	119.7	2400
		11-03-65	86.2	120.8	
		12-01-65	85.8	121.2	
		1-05-66	82.7	124.3	
		2-01-66	82.5	124.5	
		3-01-66	76.6	130.4	
		4-01-66	77.2	129.8	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH BAY AREA 2-09.02					
08S/01E-7H02 M	207.0	5-02-66	72.5	134.5	2400
		6-01-66	77.7	129.3	
		7-06-66	88.4	118.6	
		8-04-66	89.5	117.5	
		9-01-66	92.3	114.7	
08S/01E-13H01 M	184.6	10-06-65	(8) 23.6	161.0	2400
		11-05-65	(8) 20.4	164.2	
		12-02-65	(8) 19.6	165.0	
		1-07-66	(8) 16.7	167.9	
		2-03-66	(8) 16.5	168.1	
		3-03-66	(8) 16.8	167.8	
		4-05-66	(8) 20.6	164.0	
		5-04-66	(8) 25.1	159.5	
		6-06-66	(6) 26.0	158.6	
		7-20-66	(1) 30.4	154.2	
		8-05-66	(6) 31.0	153.6	
		9-02-66	(8) 30.8	153.8	
08S/02E-20F03 M	209.0	10-08-65	(6) 24.0	185.0	2400
		11-05-65	(6) 23.0	186.0	
		12-09-65	22.5	186.5	
		1-11-66	21.5	187.5	
		2-04-66	22.6	186.4	
		3-03-66	23.2	185.8	
		4-05-66	(8) 27.6	181.4	
		5-05-66	28.3	180.7	
		6-08-66	27.6	181.4	
		7-08-66	32.8	176.2	
		8-08-66	(6) 37.0	172.0	
		9-06-66	(6) 39.0	170.0	
08S/02E-22D01 M	239.7	10-08-65	10.0	229.7	2400
		11-05-65	10.4	229.3	
		12-09-65	10.8	228.9	
		1-11-66	9.9	229.8	
		2-04-66	10.6	229.1	
		3-03-66	15.2	224.5	
		4-05-66	14.5	225.2	
		5-05-66	7.8	231.9	
		6-08-66	12.8	226.9	
		7-08-66	13.7	226.0	
		8-08-66	15.5	224.2	
		9-06-66	17.7	222.0	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH BAY AREA 2-09.02					
08S/01W-15B01 M	331.2	10-04-65	(6) 37.0	294.2	2400
		11-10-65	35.2	296.0	
		12-06-65	34.3	296.9	
		1-04-66	33.6	297.6	
		2-17-66	34.2	297.0	
		3-14-66	33.6	297.6	
		4-15-66	(7)	295.9	
		5-17-66	35.3	295.9	
		6-17-66	35.8	295.4	
		7-19-66	36.4	294.8	
		8-16-66	(6) 38.0	293.2	
		9-16-66	37.2	294.0	
09S/02E-1J01 M	314.0	10-13-65	(8) 31.8	282.2	2400
		11-09-65	(8) 32.0	282.0	
		12-10-65	(8) 29.2	284.8	
		1-13-66	(8) 30.1	283.9	
		2-07-66	(8) 31.0	283.0	
		3-04-66	33.7	280.3	
		4-11-66	(8) 37.6	276.4	
		5-06-66	(8) 39.3	274.7	
		6-10-66	(8) 44.5	269.5	
		7-12-66	(8) 44.5	269.5	
		8-10-66	(8) 50.5	263.5	
		9-07-66	55.5	258.5	
09S/02E-1M01 M	287.6	10-11-65	24.9	262.7	2400
		11-08-65	25.2	262.4	
		12-09-65	23.3	264.3	
		1-11-66	23.0	264.6	
		2-04-66	22.6	265.0	
		3-04-66	21.3	266.3	
		4-07-66	23.6	264.0	
		5-05-66	27.3	260.3	
		6-08-66	30.5	257.1	
		7-08-66	(3) 36.6	251.0	
		8-08-66	39.0	248.6	
		9-07-66	35.8	251.8	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
LIVERMORE VALLEY	2-10.00				
02S/02E-25N01 M	555.3	10-00-65	10.5	544.8	5100
		3-00-66	10.6	544.7	
02S/01W-26C01 M	416.9	10-00-65	(1) 148.4	268.5	5100
		3-00-66	41.4	375.5	
03S/01E-07Q01 M	321.7	10-27-65	127.3	194.4	5100
		11-26-65	125.2	196.5	
		12-00-65	127.3	194.4	
		1-19-66	116.2	205.5	
		2-17-66	113.3	208.4	
		3-17-66	108.7	213.0	
		4-20-66	113.2	208.5	
		5-18-66	116.2	205.5	
		6-15-66	125.2	196.5	
		7-20-66	128.5	193.2	
		8-17-66	144.4	177.3	
		9-14-66	144.7	177.0	
03S/01E-9R02 M	357.0	10-27-65	102.8	254.2	5100
		11-26-65	95.8	261.2	
		12-00-65	93.3	263.7	
		1-19-66	92.3	264.7	
		2-17-66	89.0	268.0	
		3-17-66	99.0	258.0	
		4-20-66	103.5	253.5	
		5-18-66	(1) 140.3	216.7	
		6-15-66	(1) 134.4	222.6	
		7-20-66	130.3	226.7	
		8-17-66	(1) 150.5	206.5	
		9-14-66	148.3	208.7	
03S/01E-10Q02 M	368.7	10-27-65	109.7	259.0	5100
		11-26-65	110.5	258.2	
		12-00-65	103.0	265.7	
		1-19-66	102.5	264.2	
		2-17-66	101.1	267.6	
		3-09-66	102.3	266.4	
		4-20-66	112.2	256.5	
		5-18-66	128.8	239.9	
		6-15-66	(1) 125.5	243.2	
		7-20-66	118.5	250.2	
		8-17-66	149.7	219.0	
		9-14-66	133.6	235.1	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
LIVERMORE VALLEY	2-10.00				
03S/01E-11H01 M	372.9	10-00-65	125.5	247.4	5100
		3-00-66	106.9	266.0	
03S/01E-17R01 M	347.0	10-27-65	144.8	202.2	5100
		11-26-65	141.8	205.2	
		12-00-65	136.8	210.2	
		1-19-66	135.3	211.7	
		2-17-66	132.0	215.0	
		3-17-66	127.3	219.7	
		4-20-66	146.3	200.7	
		5-18-66	134.8	212.2	
		6-15-66	140.3	206.7	
		7-20-66	149.0	198.0	
		8-17-66	155.8	191.2	
		9-14-66	158.3	188.7	
03S/01E-19A03 M	328.0	10-27-65	134.3	193.7	5100
		11-26-65	128.7	199.3	
		12-00-65	122.1	205.9	
		1-19-66	118.7	209.3	
		2-17-66	116.2	211.8	
		3-17-66	107.7	220.3	
		4-20-66	107.7	220.3	
		5-18-66	125.0	203.0	
		6-15-66	128.7	199.3	
		7-20-66	140.3	187.7	
		8-17-66	141.2	186.8	
		9-14-66	137.1	190.9	
03S/02E-10H01 M	551.0	10-00-65	113.4	437.6	
		3-00-66	(1) 130.0	421.0	
03S/02E-16E02 M	508.0	10-27-65	110.3	397.7	
		11-26-65	107.8	400.2	
		12-00-65	104.4	403.6	
		1-19-66	104.5	403.5	
		2-17-66	104.0	404.0	
		3-17-66	103.8	404.2	
		4-20-66	103.6	404.4	
		5-18-66	106.4	401.6	
		6-15-66	103.8	404.2	
		7-20-66	104.6	403.4	
		8-17-66	104.0	404.0	
		9-14-66	103.8	404.2	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
LIVERMORE VALLEY 2-10.00					
03S/02E-19D01 M	412.0	10-27-65	176.3	235.7	5100
		11-26-65	171.9	240.1	
		12-00-65	165.0	247.0	
		1-19-66	162.3	249.7	
		2-17-66	157.9	254.1	
		3-17-66	154.9	257.1	
		4-20-66	156.0	256.0	
		5-18-66	167.2	244.8	
		6-15-66	172.8	239.2	
		7-20-66	181.1	230.9	
		8-17-66	186.7	225.3	
		9-14-66	190.1	221.9	
HALF MOON BAY TERRACE 2-22.00					
05S/05W-19J01 M	53.0	4-15-66	23.8	29.2	5050
05S/05W-20L01 M	73.0	10-00-65	(7)		5050
05S/05W-29F04 M	50.0	10-19-65	20.9	29.1	5050
		11-18-65	20.6	29.4	
		12-16-65	18.8	31.2	
		1-19-66	14.2	35.8	
		2-17-66	12.0	38.0	
		3-17-66	(1) 12.8	37.2	
		4-15-66	15.2	34.8	
		5-20-66	17.2	32.8	
		6-16-66	18.5	31.5	
		7-21-66	18.2	31.8	
		8-17-66	22.2	27.8	
		9-23-66	24.1	25.9	
05S/05W-29N01 M	46.0	4-15-66	30.1	15.9	5050
05S/05W-32K01 M	90.0	10-19-65	29.5	60.5	5050
		11-18-65	29.7	60.3	
		12-16-65	30.2	59.8	
		1-19-66	29.6	60.4	
		2-17-66	28.6	61.4	
		3-17-66	27.8	62.2	
		4-15-66	27.4	62.6	
		5-20-66	27.8	62.2	
		6-15-66	28.3	61.7	
		7-21-66	28.3	61.7	
		8-17-66	28.6	61.4	
		9-23-66	29.2	60.8	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
HALF MOON BAY TERRACE 2-22.00					
05S/05W-10J01 M	35.0	4-15-66	00.0	35.0	5050
06S/05W-8B01 M	108.0	10-19-65	(2) 59.8	48.2	5050
		11-18-65	56.4	51.6	
		12-16-65	57.9	50.1	
		1-19-66	55.2	52.8	
		2-17-66	57.8	50.2	
		3-17-66	59.0	49.0	
		4-15-66	59.4	48.6	
		5-20-66	58.0	50.0	
		6-15-66	60.2	47.8	
		7-21-66	(7)		
		8-17-66	47.0	61.0	
		9-23-66	52.4	55.6	
SAN GREGORIO VALLEY 2-24.00					
07S/05W-13E01 M	80.0	10-19-65	13.0	67.0	5050
		11-18-65	12.3	67.7	
		12-16-65	11.7	68.3	
		1-19-66	11.3	68.7	
		2-17-66	11.1	68.9	
		3-17-66	11.2	68.8	
		4-15-66	11.4	68.6	
		5-26-66	11.6	68.4	
		6-15-66	11.8	68.2	
		7-21-66	10.9	69.1	
		8-17-66	13.0	67.0	
		9-23-66	13.5	66.5	
07S/05W-15C01 M	80.0	4-15-66	11.0	69.0	5050
07S/05W-15E01 M	75.2	3-17-65	4.2	71.0	5050
07S/05W-15E02 M	30.0	10-19-65	14.5	15.5	5050
		11-18-65	14.1	15.9	
		12-16-65	14.0	16.0	
		1-19-66	13.1	16.9	
		2-17-66	12.7	17.3	
		3-17-66	13.2	16.8	
		4-15-66	(1) 19.5	10.5	
		5-20-66	13.7	16.3	
		6-15-66	(1) 17.5	12.5	
		7-21-66	14.2	15.8	
		8-17-66	13.8	16.2	
		9-23-66	(1) 17.3	12.7	

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN GREGORIO VALLEY	2-24.00				
07S/05W-15H02 M	40.0	4-15-66	17.4	22.6	5050
PESCADERO VALLEY	2-26.00				
08S/05W-9H01 M	20.0	10-19-65	4.6	15.4	5050
		11-18-65	4.0	16.0	
		12-16-65	4.2	15.8	
		1-19-66	3.9	16.1	
		2-17-66	3.8	16.2	
		3-17-66	4.3	15.7	
		4-15-66	4.1	15.9	
		5-20-66	4.4	15.6	
		6-15-66	4.4	15.6	
		7-21-66	4.6	15.4	
		8-17-66	4.8	15.2	
		9-23-66	5.0	15.0	
08S/05W-10K01 M	37.0	10-19-65	18.8	18.2	5050
		11-18-65	18.7	18.3	
		1-19-66	11.9	25.1	
		2-17-66	11.5	25.5	
		3-17-66	14.4	22.6	
		4-15-66	16.4	20.6	
		5-20-66	17.3	19.7	
		6-15-66	17.7	19.3	
		7-21-66	18.1	18.9	
		8-17-66	17.5	19.5	
		9-23-66	18.6	18.4	
08S/05W-11F01 M	70.0	10-19-65	15.8	54.2	5050
		11-18-65	14.3	55.7	
		12-16-65	11.6	58.4	
		1-19-66	9.5	60.5	
		2-17-66	9.0	61.0	
		3-17-66	10.5	59.5	
		4-15-66	11.8	58.2	
		5-20-66	13.0	57.0	
		6-15-66	13.5	56.5	
		7-21-66	15.2	54.8	
		8-17-66	15.5	54.5	
		9-23-66	16.5	53.5	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PESCADERO VALLEY	2-26.00				
08S/05W-11K02 M	60.0	4-15-66	6.7	53.3	5050
08S/05W-11M01 M	45.0	4-15-66	14.5	30.5	5050

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL REGION (No. 3)

SOQUEL VALLEY 3-01.00

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
11S/01W-09L01 M	124.2	10-19-65	57.3	66.9	5050
		11-18-65	56.6	67.6	
		12-01-65	57.3	66.9	
		1-19-66	57.3	66.9	
		2-17-66	57.4	66.8	
		3-17-66	58.6	65.6	
		4-14-66	57.6	66.6	
		5-20-66	57.1	67.1	
		6-15-66	57.6	66.6	
		7-21-66	57.5	66.7	
		8-17-66	57.5	66.7	
		9-23-66	57.6	66.6	
11S/01W-10C01 M	90.0	10-19-65	60.0	30.0	5050
		11-18-65	(3) 60.3	29.7	
		12-16-65	59.7	30.3	
		1-19-66	59.3	30.7	
		2-17-66	(4) 66.4	23.6	
		3-17-66	(3) 61.4	28.6	
		4-14-66	60.1	29.9	
		5-20-66	66.4	23.6	
		6-15-66	61.4	28.6	
		7-21-66	61.4	28.6	
		8-17-66	62.1	27.9	
		9-23-66	62.0	28.0	
11S/01W-15E02 M	87.0	10-19-65	(2) 77.8	9.2	5050
		11-18-65	58.3	28.7	
		12-16-65	61.3	25.7	
		1-19-66	58.5	28.5	
		2-17-66	57.1	29.9	
		3-17-66	56.8	30.2	
		4-14-66	57.0	30.0	
		5-20-66	62.0	25.0	
		6-15-66	64.1	22.9	
		7-21-66	(2) 79.6	7.4	
		8-17-66	(2) 61.5	25.5	
		9-23-66	(2) 61.0	26.0	

PAJARO VALLEY 3-02.00

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
11S/02E-27A01 M	141.0	10-19-65	103.5	37.5	5050
		11-17-65	97.2	43.8	
		12-15-65	96.1	44.9	
		1-18-66	95.4	45.6	
		2-15-66	94.9	46.1	
		3-16-66	95.7	45.3	
		4-14-66	(1)		
		5-20-66	105.5	35.5	
		6-14-66	97.3	43.7	
		7-21-66	101.9	39.1	
		8-17-66	98.0	43.0	
		9-22-66	98.6	42.4	
12S/01E-24G01 M	9.4	10-19-65	(1) 49.6	-40.2	5050
		11-17-65	(8) 7.9	1.5	
		12-16-65	(8) 6.2	3.2	
		1-18-66	(8) 5.1	4.3	
		2-16-66	(8) 7.8	1.6	
		3-16-66	(8) 9.3	0.1	
		4-14-66	(1) 19.3	-9.9	
		5-20-66	(8) 11.3	-1.9	
		6-15-66	(8) 9.8	-0.4	
		7-21-66	(1)		
		8-17-66	(8) 18.4	-9.0	
		9-23-66	(8) 18.5	-9.1	
12S/02E-11E04 M	36.0	10-19-65	(8) 29.7	6.3	5050
		11-17-65	(8) 25.8	10.2	
		12-15-65	(8) 23.7	12.3	
		1-18-66	(8) 21.7	14.3	
		2-16-66	(8) 21.2	14.8	
		3-16-66	(8) 24.3	11.7	
		4-14-66	(8) 25.5	10.5	
		5-19-66	(8) 32.2	3.8	
		6-14-66	(8) 33.6	2.4	
		7-20-66	(8) 42.2	-6.2	
		8-17-66	(8) 38.5	-2.5	
		9-22-66	(8) 35.5	0.5	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PAJARO VALLEY 3-02.00					
12S/02E-16J01 M	20.5	10-18-65	(8) 20.4	0.1	5050
		11-17-65	(9)		
		12-15-65	(8) 14.6	5.9	
		1-18-66	(8) 12.6	7.9	
		2-16-66	(8) 12.0	8.5	
		3-16-66	(8) 12.9	7.6	
		4-16-66	(8) 18.7	1.8	
		5-19-66	(8) 26.6	-6.1	
		6-14-66	(8) 26.5	-6.0	
		7-20-66	(8) 30.6	-10.1	
		8-17-66	(8) 28.2	-7.7	
		9-22-66	(8) 25.4	-4.9	
12S/02E-31K01 M	30.0	12-22-65	28.8	1.2	2100
		4-04-66	(1)		
13S/01E-01A01 M	5.0	12-21-65	2.7	2.3	2100
		4-04-66	2.0	3.0	
13S/02E-05B01 M	136.0	10-18-65	140.7	-4.7	5050
		11-17-65	140.2	-4.2	
		12-15-65	139.1	-3.1	
		1-18-66	137.4	-1.4	
		2-16-66	136.6	-0.6	
		3-16-66	135.6	0.4	
		4-14-66	137.1	-1.1	
		5-20-66	(2) 142.7	-6.7	
		6-15-66	137.9	-1.9	
		7-20-66	139.4	-3.4	
		8-17-66	140.8	-4.8	
		9-22-66	141.7	-5.7	
13S/02E-06B01 M	15.0	10-18-65	18.4	-3.4	5050
		11-17-65	17.1	-2.1	
		12-15-65	14.7	0.3	
		1-18-66	13.3	1.7	
		2-16-66	12.7	2.3	
		3-16-66	14.5	0.5	
		4-14-66	13.5	1.5	
		5-20-66	16.1	-1.1	
		6-15-66	16.8	-1.8	
		7-20-66	17.6	-2.6	
		8-17-66	18.5	-3.5	
		9-22-66	19.3	-4.3	
13S/02E-06C01 M	26.0	12-21-65	25.0	1.0	2100
		4-04-66	24.2	1.8	
PAJARO VALLEY 3-02.00					
13S/02E-06E02 M	27.8	12-21-65	24.4	3.4	2100
		4-04-66	(1)		
13S/02E-06E03 M	30.0	12-22-65	29.1	0.9	2100
		4-04-66	30.5	-0.5	
GILROY-HOLLISTER VALLEY 3-03.00					
SOUTH SANTA CLARA COUNTY 3-03.01					
09S/03E-16J01 M	385.7	3-07-66	108.6	277.1	2400
09S/03E-21K02 M	361.6	3-07-66	82.4	279.2	2400
09S/03E-22B03 M	379.1	3-07-66	(8) 99.7	279.4	2400
09S/03E-23E01 M	362.5	3-07-66	102.6	259.9	2400
09S/03E-26P01 M	329.1	3-07-66	81.8	247.3	2400
09S/03E-27C02 M	347.0	10-13-65	(8) 85.9	261.1	2400
		11-09-65	(6) 80.0	267.0	
		12-13-65	(8) 79.3	267.7	
		1-12-66	(8) 76.1	270.9	
		2-07-66	(8) 76.5	270.5	
		3-07-66	(8) 74.0	273.0	
		4-08-66	(8) 76.1	270.9	
		5-09-66	(8) 82.6	264.4	
		6-09-66	(6) 86.0	261.0	
		7-11-66	90.6	256.4	
		8-09-66	96.2	250.8	
		9-08-66	(6) 100.0	247.0	
09S/03E-29B01 M	397.6	4-12-66	16.6	381.0	5050
09S/03E-34D02 M	327.0	3-07-66	60.2	266.8	2400
09S/03E-34Q01 M	314.2	3-07-66	47.4	266.8	2400
09S/03E-36E02 M	309.3	3-07-66	81.7	227.6	2400
09S/03E-36F03 M	322.0	3-07-66	82.5	239.5	2400
10S/03E-02K03 M	290.0	10-18-65	51.3	238.7	5050
		11-17-65	(4)		
		12-15-65	46.8	243.2	
		1-18-66	44.0	246.0	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH SANTA CLARA COUNTY 3-03.01					
10S/03E-02K03 M	290.0	2-15-66	46.2	243.8	5050
		3-16-66	49.6	240.4	
		4-12-66	53.7	236.3	
		5-18-66	57.4	232.6	
		6-14-66	63.2	226.8	
		7-20-66	63.0	227.0	
		8-19-66	74.3	215.7	
		9-22-66	80.4	209.6	
10S/03E-13J03 M	251.0	10-18-65	40.5	210.5	5050
		11-17-65	36.7	214.3	
		12-15-65	37.9	213.1	
		1-18-66	36.7	214.3	
		2-15-66	37.8	213.2	
		3-16-66	39.0	212.0	
		4-12-66	44.9	206.1	
		5-18-66	57.1	193.9	
		6-14-66	72.8	178.2	
		7-20-66	(1) 70.2	180.8	
		8-19-66	(2) 70.7	180.3	
		9-22-66	(8) 71.0	180.0	
10S/03E-36E03 M	220.0	10-18-65	36.8	183.2	5050
		11-17-65	32.9	187.1	
		12-15-65	36.1	183.9	
		1-18-66	35.8	184.2	
		2-15-66	36.3	183.7	
		3-16-66	35.6	184.4	
		4-12-66	34.6	185.4	
		5-19-66	35.1	184.9	
		6-14-66	36.4	183.6	
		7-20-66	(1)		
		8-19-66	38.3	181.7	
		9-22-66	38.1	181.9	
10S/04E-18G02 M	259.5	10-18-65	56.4	203.1	5050
		11-17-65	52.9	206.6	
		12-15-65	52.5	207.0	
		1-18-66	51.0	208.5	
		2-15-66	54.0	205.5	
		3-16-66	52.4	207.1	
		4-12-66	51.9	207.6	
		5-18-66	70.2	189.3	
		6-14-66	75.4	184.1	
		7-20-66	74.2	185.3	
		8-19-66	(1) 78.0	181.5	
		9-22-66	80.0	179.5	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH SANTA CLARA COUNTY 3-03.01					
10S/04E-31G04 M	197.5	10-18-65	27.5	170.0	5200
		11-15-65	24.5	173.0	
		12-20-65	22.5	175.0	
		1-17-66	18.5	179.0	
		2-21-66	18.5	179.0	
		3-21-66	17.5	180.0	
		4-18-66	21.5	176.0	
		5-16-66	28.5	169.0	
		6-20-66	37.5	160.0	
		7-18-66	43.5	154.0	
		8-15-66	42.5	155.0	
		9-19-66	44.5	153.0	
10S/04E-35E01 M	248.0	4-13-66	88.5	159.5	5050
11S/04E-06B01 M	197.2	10-18-65	36.0	161.2	5200
		11-15-65	34.0	163.2	
		12-20-65	30.0	167.2	
		1-17-66	26.0	171.2	
		2-21-66	24.0	173.2	
		3-21-66	23.0	174.2	
		4-18-66	29.0	168.2	
		5-16-66	36.0	161.2	
		6-20-66	45.0	152.2	
		7-18-66	50.0	147.2	
		8-15-66	51.0	146.2	
		9-19-66	52.0	145.2	
11S/04E-06D01 M	211.0	10-18-65	52.0	159.0	5200
		11-15-65	49.0	162.0	
		12-20-65	46.0	165.0	
		1-17-66	42.0	169.0	
		2-21-66	39.0	172.0	
		3-21-66	40.0	171.0	
		4-18-66	44.0	167.0	
		5-16-66	52.0	159.0	
		6-20-66	60.0	151.0	
		7-18-66	65.0	146.0	
		8-15-66	66.0	145.0	
		9-19-66	68.0	143.0	
11S/04E-06H01 M	191.5	10-18-65	34.0	157.5	5200
		11-15-65	31.0	160.5	
		12-20-65	28.0	163.5	
		1-17-66	25.0	166.5	
		2-21-66	24.0	167.5	
		3-21-66	22.0	169.5	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SOUTH SANTA CLARA COUNTY 3-03.01					
11S/04E-06H01 M	191.5	4-18-66	26.0	165.5	5200
		5-16-66	34.0	157.5	
		6-20-66	43.0	148.5	
		7-18-66	58.0	133.5	
		8-15-66	50.0	141.5	
		9-19-66	50.0	141.5	
11S/04E-06P02 M	201.7	10-18-65	52.0	149.7	5200
		11-15-65	51.0	150.7	
		12-20-65	49.0	152.7	
		1-17-66	33.0	168.7	
		2-21-66	29.0	172.7	
		3-21-66	28.0	173.7	
		4-18-66	33.0	168.7	
		5-16-66	46.0	155.7	
		6-20-66	49.0	152.7	
		7-18-66	50.0	151.7	
		8-15-66	55.0	146.7	
		9-19-66	57.0	144.7	
11S/04E-08K02 M	179.0	10-18-65	26.5	152.5	5050
		11-17-65	(4)		
		12-15-65	21.6	157.4	
		1-18-66	18.1	160.9	
		2-15-66	16.3	162.7	
		3-16-66	15.9	163.1	
		4-13-66	17.3	161.7	
		5-19-66	26.2	152.8	
		6-14-66	31.2	147.8	
		7-20-66	29.7	149.3	
		8-19-66	39.4	139.6	
		9-22-66	38.9	140.1	
SAN BENITO COUNTY 3-03.02					
11S/05E-13D01 M	255.7	10-18-65	23.6	232.1	5050
		11-17-65	(3)		
		12-15-65	22.5	233.2	
		1-18-66	21.2	234.5	
		2-15-66	21.4	234.3	
		3-16-66	(7)		
		4-13-66	23.4	232.3	
		5-19-66	25.2	230.5	
		6-14-66	(1)		
		7-20-66	22.4	233.3	
		8-19-66	24.3	231.4	
		9-22-66	25.5	230.2	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN BENITO COUNTY 3-03.02					
12S/04E-20C01 M	152.9	4-07-66	(1)	5101	
12S/05E-10R01 M	211.6	10-18-65	99.5	112.1	5050
		11-17-65	85.3	126.3	
		12-15-65	90.2	121.4	
		1-18-66	88.4	123.2	
		2-15-66	87.0	124.6	
		3-16-66	85.7	125.9	
		4-13-66	86.1	125.5	
		5-19-66	88.6	123.0	
		6-14-66	91.1	120.5	
		7-20-66	90.9	120.7	
		8-19-66	91.1	120.5	
		9-22-66	93.4	118.2	
12S/05E-12M04 M	215.0	10-18-65	85.5	129.5	5050
		11-17-65	83.0	132.0	
		12-15-65	86.5	128.5	
		1-18-66	86.1	128.9	
		2-15-66	84.6	130.4	
		3-16-66	83.2	131.8	
		4-13-66	81.6	133.4	
		5-19-66	82.1	132.9	
		6-14-66	82.4	132.6	
		7-20-66	84.3	130.7	
		8-19-66	86.3	128.7	
		9-22-66	88.2	126.8	
12S/05E-33A01 M	280.0	10-18-65	92.1	187.9	5050
		11-17-65	89.8	190.2	
		12-15-65	88.1	191.9	
		1-18-66	(8) 84.8	195.2	
		2-15-66	(8) 83.1	196.9	
		3-16-66	(8) 82.0	198.0	
		4-13-66	(8) 81.3	198.7	
		5-19-66	(8) 87.9	192.1	
		6-14-66	(1)		
		7-20-66	(8) 97.9	182.1	
		8-19-66	(8) 94.3	185.7	
		9-22-66	(8) 92.4	187.6	
12S/05E-35N02 M	303.0	10-18-65	143.3	159.7	5050
		11-17-65	(3) 112.8	190.2	
		12-15-65	125.5	177.5	
		1-18-66	125.1	177.9	
		2-15-66	121.9	181.1	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SAN BENITO COUNTY 3-03.02					
12S/05E-35N02 M	303.0	3-16-66	126.4	176.6	5050
		4-13-66	122.4	180.6	
		5-19-66	(1)		
		6-14-66	(1)		
		7-20-66	135.9	167.1	
		8-19-66	(1)		
		9-22-66	156.2	146.8	
13S/05E-11Q01 M	325.5	4-07-66	62.7	262.8	5101
SALINAS VALLEY 3-04.00					
PRESSURE AREA 180 FOOT AQUIFER 3-04.01					
14S/02E-03C01 M	10.6	12-10-65	16.0	-5.4	2100
		3-24-66	13.6	-3.0	
14S/02E-15L01 M	23.0	12-08-65	(4)		2100
		3-24-66	(0)		
15S/02E-01Q01 M	42.0	10-19-65	45.0	-3.0	2100
		11-18-65	39.0	3.0	
		12-09-65	36.2	5.8	
		1-02-66	33.5	8.5	
		2-16-66	28.6	13.4	
		3-16-66	34.6	7.4	
		4-18-66	(1)		
		5-19-66	(1)		
		6-17-66	(1)		
		7-17-66	(1)		
		8-14-66	(1)		
		9-18-66	42.7	-0.7	
15S/03E-16M01 M	58.0	12-02-65	41.6	16.4	2100
		3-30-66	57.3	0.7	
15S/04E-33A01 M	125.0	12-03-65	86.6	38.4	2100
		3-29-66	(1)		
16S/04E-11D01 M	110.0	12-10-65	52.7	57.3	2100
		3-29-66	48.9	61.1	
PRESSURE AREA 400 FOOT AQUIFER 3-04.01					
13S/02E-31Q01 M	11.0	12-06-65	11.8	-0.8	2100
		3-22-66	10.6	0.4	
PRESSURE AREA 400 FOOT AQUIFER 3-04.01					
14S/03E-18J01 M	69.0	10-19-65	86.1	-17.1	2100
		11-18-65	78.3	-9.3	
		12-10-65	71.5	-2.5	
		1-21-66	68.3	0.7	
		2-16-66	74.3	-5.3	
		3-16-66	69.3	-0.3	
		4-18-66	81.5	-12.5	
		5-16-66	(1)		
		6-20-66	95.3	-26.3	
		7-17-66	(1)		
		8-14-66	97.3	-28.3	
		9-18-66	98.0	-29.0	
EAST SIDE AREA 3-04.02					
16S/05E-17R01 M	181.0	12-10-65	109.0	72.0	2100
		4-06-66	(1)		
ARROYO SECO CONE 3-04.04					
18S/06E-15M01 M	277.0	12-00-65	(7)		2100
		3-25-66	91.3	185.7	
19S/06E-11C01 M	373.0	10-18-65	(1)		2100
		11-19-65	(9)		
		12-13-65	165.1	207.9	
		1-18-66	165.0	208.0	
		2-14-66	148.2	224.8	
		3-15-66	161.7	211.3	
		4-19-66	173.0	200.0	
		5-17-66	(1)		
		6-16-66	(1)		
		7-17-66	181.1	191.9	
		8-14-66	(1)		
		9-18-66	185.6	187.4	
UPPER VALLEY AREA 3-04.05					
19S/07E-10P01 M	315.0	10-18-65	83.9	231.1	2100
		11-22-65	81.1	233.9	
		12-10-65	80.7	234.3	
		1-18-66	86.0	229.0	
		2-14-66	81.8	233.2	
		3-14-66	(1)		
		4-19-66	(1)		
		5-16-66	91.9	223.1	

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
UPPER VALLEY AREA 3-04.05					
19S/07E-10P01 M	315.0	6-15-66	(1)		2100
		7-17-66	(1)		
		8-14-66	91.6	223.4	
		9-18-66	87.0	228.0	
20S/08E-05R01 M	337.0	10-18-65	67.3	269.7	2100
		11-22-65	65.3	271.7	
		12-09-65	63.4	273.6	
		1-18-66	65.2	271.8	
		2-14-66	66.0	271.0	
		3-14-66	69.2	267.8	
		4-20-66	(1)		
		5-16-66	(1)		
		6-15-66	(1)		
		7-17-66	(1)		
		8-14-66	74.8	262.2	
		9-18-66	68.9	268.1	
21S/09E-06K01 M	344.0	12-00-65	(7)		2100
		3-31-66	(1)		
21S/10E-32N01 M	400.0	12-00-65	(7)		2100
		3-21-66	22.0	378.0	
22S/10E-16K01 M	472.0	12-00-65	(7)		2100
		3-31-66	(1)		
PASO ROBLES BASIN 3-04.06					
24S/10E-11C01 M	620.0	10-22-65	52.1	567.9	5117
		4-08-66	(5)		
24S/11E-25N01 M	603.3	10-18-65	38.7	564.6	5117
		4-01-66	35.8	567.5	
		9-29-66	37.8	565.5	
24S/11E-33R01 M	565.0	10-18-65	34.5	530.5	5117
		4-01-66	32.0	533.0	
		9-29-66	30.0	535.0	
24S/11E-35J01 M	616.8	10-18-65	63.2	553.6	5117
		4-08-66	62.0	554.8	
24S/12E-17N01 M	770.0	10-18-65	19.0	751.0	5117
		4-08-66	19.0	751.0	
24S/15E-33C01 M	1225.0	10-21-65	39.5	1185.5	5117
		4-19-66	39.7	1185.3	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PASO ROBLES BASIN 3-04.06					
25S/11E-35G01 M	895.0	10-18-65	59.0	836.0	5117
		4-18-66	62.2	832.8	
25S/12E-17J01 M	640.0	10-17-65	(1)		5117
		4-08-66	(1) 72.0	568.0	
25S/12E-17R01 M	640.0	10-17-65	72.5	567.5	5117
		4-08-66	55.3	584.7	
25S/12E-26K01 M	749.0	3-18-66	(1) 149.0	600.0	5117
25S/13E-11E01 M	1185.0	10-21-65	69.0	1116.0	5117
		4-18-66	41.0	1144.0	
25S/16E-17L01 M	1165.0	10-21-65	(1) 38.3	1126.7	5117
		4-19-66	42.0	1123.0	
25S/16E-30M01 M	1218.0	10-21-65	69.0	1149.0	5117
		4-19-66	68.5	1149.5	
26S/12E-04N01 M	675.0	10-18-65	49.0	626.0	5117
		4-18-66	45.8	629.2	
26S/12E-26E01 M	840.0	10-19-65	214.4	625.6	5117
		4-08-66	196.4	643.6	
26S/12E-35M01 M	818.0	10-19-65	176.7	641.3	5117
		4-08-66	174.0	644.0	
26S/13E-10D01 M	800.0	10-21-65	34.3	765.7	5117
		4-18-66	20.0	780.0	
26S/13E-34B01 M	1005.0	10-19-65	170.7	834.3	5117
		4-18-66	163.5	841.5	
26S/14E-16L01 M	1018.0	10-21-65	80.7	937.3	5117
		4-20-66	69.7	948.3	
26S/14E-35D01 M	1135.0	10-21-65	(1) 121.5	1013.5	5117
		4-19-66	116.9	1018.1	
26S/15E-02B01 M	1115.0	10-21-65	32.5	1082.5	5117
		4-19-66	32.0	1083.0	
26S/15E-28Q02 M	1112.0	10-21-65	(8)		5117
		4-20-66	58.0	1054.0	

TABLE C-2

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PASO ROBLES BASIN 3-04.06					
26S/15E-29N01 M	1133.0	10-21-65	100.3	1032.7	5117
		4-19-66	(1) 112.0	1021.0	
27S/12E-21N01 M	748.0	10-17-65	19.4	728.6	5117
		4-06-66	8.1	739.9	
27S/13E-24N01 M	1030.0	10-19-65	47.2	928.8	5117
		4-18-66	(1)		
27S/13E-32B01 M	1105.0	10-21-65	55.9	1049.1	5117
		4-19-66	56.3	1048.7	
27S/15E-10R02 M	1130.0	10-21-65	62.0	1068.0	5117
		4-20-66	60.5	1069.5	
27S/15E-13A01 M	1155.0	10-22-65	26.2	1128.8	5117
		4-20-66	22.4	1132.6	
27S/16E-21E02 M	1255.0	10-22-65	59.6	1195.4	5117
		4-20-66	58.2	1196.8	
28S/12E-10G01 M	825.0	10-14-65	(8)		5117
		4-06-66	(8)		
28S/12E-10R02 M	805.0	10-17-65	29.0	776.0	5117
		4-10-66	10.3	794.7	
28S/12E-13N01 M	850.0	10-14-65	11.7	838.3	5117
		4-06-66	7.9	842.1	
28S/12E-14G01 M	824.6	10-14-65	18.4	806.2	5117
		4-06-66	-0.9	825.5	
28S/13E-04K01 M	1199.5	10-21-65	61.5	1138.0	5117
		4-19-66	50.8	1148.7	
28S/13E-04K02 M	1195.0	10-21-65	78.0	1117.0	5117
		4-19-66	76.2	1118.8	
28S/14E-07E01 M	1150.0	10-19-65	(4)		5117
		4-18-66	(4)		
28S/16E-23M01 M	1440.0	10-22-65	50.3	1398.7	5117
		4-20-66	52.2	1387.8	
PASO ROBLES BASIN 3-04.06					
29S/13E-05F03 M	916.1	10-14-65	19.9	896.2	5117
		4-06-66	16.1	900.0	
29S/13E-05K02 M	928.0	10-14-65	17.3	910.7	5117
		4-06-66	13.3	914.7	
29S/13E-06A01 M	920.0	10-14-65	63.4	856.6	5117
		4-06-66	49.1	870.9	
29S/13E-19H01 M	1002.0	10-14-65	15.1	986.9	5117
		4-06-66	5.9	996.1	
SEASIDE AREA 3-04.08					
14S/02E-31M01 M	119.9	10-00-65	126.5	-6.6	5005
		11-00-65	123.7	-3.8	
		12-00-65	122.2	-2.3	
		1-00-66	121.5	-1.6	
		2-00-66	121.2	-1.3	
		3-00-66	122.0	-2.1	
		4-20-66	120.4	-0.5	
		5-26-66	128.8	-8.9	
		6-29-66	125.0	-5.1	
		7-00-66	(7)		
		8-00-66	(7)		
		9-20-66	129.8	-9.9	
15S/01E-14N01 M	144.6	10-00-65	108.9	35.7	5005
		11-00-65	107.0	37.6	
		12-00-65	106.4	38.2	
		1-00-66	105.9	38.7	
		2-00-66	105.2	39.4	
		3-00-66	106.4	38.2	
		4-20-66	106.7	37.9	
		5-26-66	111.6	33.0	
		6-29-66	110.2	34.4	
		7-00-66	(7)		
		8-00-66	(7)		
		9-20-66	113.1	31.5	
CARMEL VALLEY 3-07.00					
16S/01E-16L01 M	75.0	10-19-65	20.2	54.8	2100
		2-17-66	15.3	59.7	

GROUND WATER LEVELS AT WELLS

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
CARMEL VALLEY 3-07.00					
16S/01E-22E01 M	82.0	10-19-65	29.5	52.5	2100
		2-17-66	27.6	54.4	
16S/01E-23F01 M	109.0	10-19-65	26.7	82.3	2100
		2-17-66	24.5	84.5	
16S/01E-25B01 M	140.0	10-19-65	23.0	117.0	2100
		2-17-66	16.5	123.5	
WEST SANTA CRUZ TERRACE 3-26.00					
11S/02W-21E01 M	65.0	4-01-66	81.1	-15.8	5102
11S/02W-22K01 M	30.0	4-04-66	(1)		5102

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA

Appendix D

SURFACE WATER QUALITY

INTRODUCTION

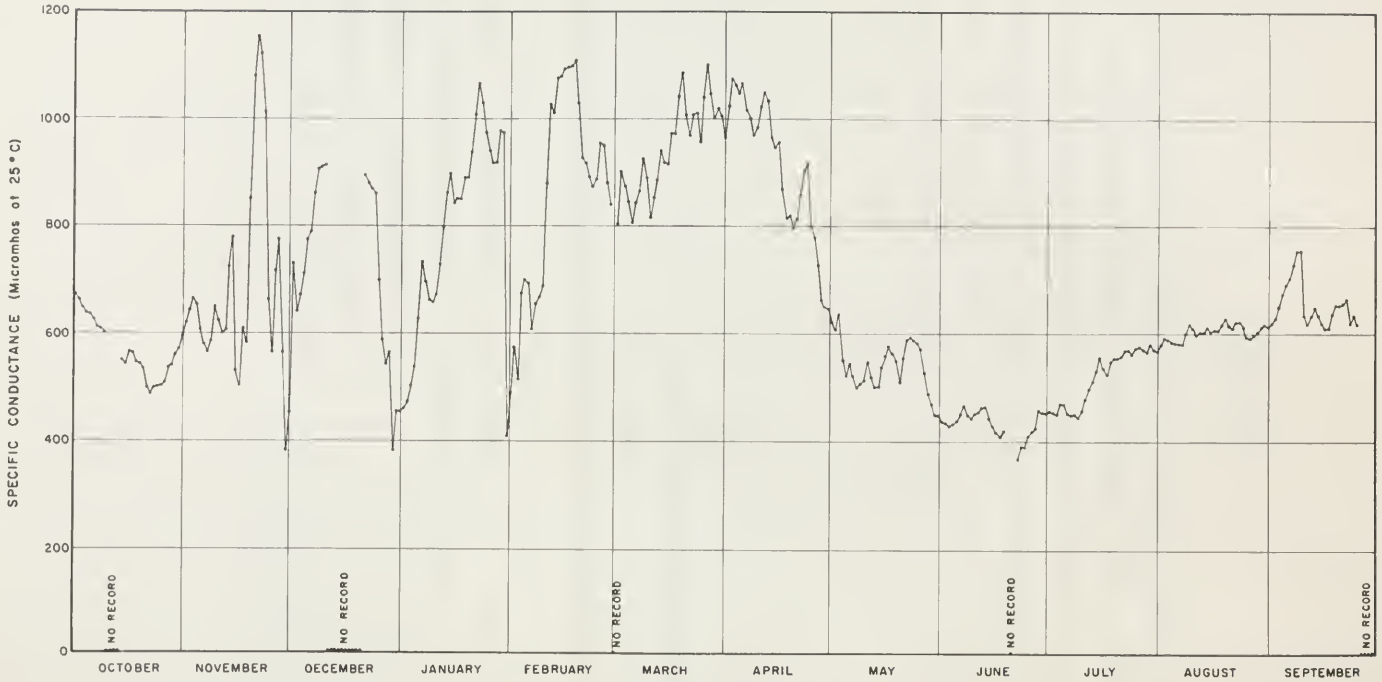
This appendix presents data concerning surface water quality collected during the period from October 1, 1965 through September 30, 1966. The data were collected from 32 stream and estuarine stations in the Central Coastal Area in cooperation with other state, local, and federal agencies.

At the time of sample collection, dissolved oxygen, pH, temperature, and Secchi disk (if possible) measurements were made and gage height and time noted. Comments on local conditions were noted in field books which are available in the files of the Department of Water Resources.

The mineral constituents were determined in accordance with methods presented in the U. S. Geological Survey Water Supply Paper 1454, Methods for Collection and Analyses of Water Samples. The analysis for trace elements is in accordance with the U. S. Geological Survey Water Supply Paper 1540-B, Concentration Method for the Spectro-Chemical Determination of Minor Elements in Water.

Each station in this appendix has a station number which has been derived by adding a decimal and two digits to a related surface water measurement station number. The numbering system for surface water measurement stations is described in the Department publication entitled Index of Stream Gaging Stations In and Adjacent to California, 1966. A sequential station number used in the past follows each station name for reference.

FIGURE D-1



SPECIFIC CONDUCTANCE

DAILY MEAN

ALAMEDA CREEK NEAR NILES (STA. E51150.00)

1965 – 66 WATER YEAR

TABLE D-1

SAMPLING STATION DATA AND INDEX

CENTRAL COASTAL AREA

Station	Station Number	Location M.D.B.&M	Beginning Of Record	Frequency Of Sampling	Analyses On Page
ALAMEDA CREEK NEAR NILES (73)	E51150.00	4S/1W-15	Dec. 1951	Monthly	102, 111, 114, 121, 126
ARROYO DEL VALLE NEAR LIVERMORE (71)	E51400.00	4S/2E-4	July 1958	Monthly	103, 111, 114
BIG RIVER NEAR MOUTH (8c)	F82720.00	17N/17W-24	Jan. 1959	Bimonthly	108, 115
CARMEL RIVER AT ROBLES DEL RIO (83)	D41200.00	17S/2E-2	Jan. 1952	Bimonthly	100, 114
COLLINSVILLE (236)	E31110.00	3N/1E-27	1924	Four-day	117
COYOTE CREEK NEAR MADRONE (82)	E64250.00	9S/3E-9	Jan. 1952	Monthly	104, 111, 114
CROCKETT (237)	E03100.90	3N/3W-32	1946	Four-day	117
GUALALA RIVER, SOUTH FORK, NEAR ANNAPOLIS (9a)	F81100.00	10N/14W-22	Jan. 1959	Bimonthly	106, 115
LOS GATOS CREEK AT LOS GATOS (74)	E65250.00	8N/1W-29	Dec. 1951	Monthly	105, 114
MARTINEZ (239)	E03300.10	2N/2W-7	1926	Four-day	117
MIDDLE POINT (255)	E03200.00	2N/1W-4	Jan. 1964	Four-day	117
MONTEREY BAY AT SANTA CRUZ (120)	D0PR61.52	11S/1W-19	July 1965	Bimonthly	120, 124
NACIMIENTO RIVER NEAR SAN MIGUEL (43b)	D33520.00	25S/11E-4	July 1958	Bimonthly	100, 114
NAPA RIVER AT DUTTON LANDING (72a)	E31100.50	4N/4W-9	Sept. 1965	Bimonthly	101, 114, 121, 125
NAPA RIVER NEAR ST. HELENA (72)	E31500.00	8N/5W-33	Dec. 1951	Monthly	101, 111, 114
NAVARRO RIVER NEAR NAVARRO (8b)	F82100.00	15N/16W-7	Jan. 1959	Bimonthly	107, 115
NOYO RIVER NEAR FORT BRAGG (10c)	F83080.50	18N/17W-10	Jan. 1959	Bimonthly	108, 115
PAJARO RIVER AT CHITTENDEN (77)	D11250.00	12S/3E-12	Dec. 1951	Monthly	94, 111, 113, 120, 124
PITTSBURG (240)	B91070.10	2N/1E-5	1945	Four-day	117
PORT CHICAGO (241)	E03200.90	3N/2W-36	1946	Four-day	117
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	8N/10W-32	Apr. 1951	Bimonthly	109, 111, 115, 122, 126
RUSSIAN RIVER NEAR HEALDSBURG (9)	F91500.00	9N/9W-22	Apr. 1951	Bimonthly	109, 115
RUSSIAN RIVER NEAR HOPLAND (8a)	F91765.00	14N/12W-36	Apr. 1951	Bimonthly	110, 115
RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWERHOUSE (10a)	F94900.00	17N/11W-6	May 1951	Bimonthly	110, 115
SALINAS RIVER NEAR BRADLEY (43c)	D21850.00	23S/10E-15	July 1958	Monthly	97, 113
SALINAS RIVER AT PASO ROBLES (43a)	D31450.00	26S/12E-28	Apr. 1951	Monthly	98, 113
SALINAS RIVER NEAR SPRECKELS (43)	D21220.00	15S/3E-18	Apr. 1951	Monthly	96, 111, 113, 121, 125
SAN ANTONIO RIVER NEAR PLEYTO (43d)	D32200.00	24S/9E-3	July 1958	Bimonthly	99, 113
SAN BENITO RIVER NEAR BEAR VALLEY FIRE STATION (77a)	D12450.00	15S/7E-28	July 1958	Bimonthly	96, 113
SAN LORENZO RIVER AT BIG TREES (75)	D01200.00	10S/2W-27	Dec. 1951	Monthly	93, 113, 120, 124
SOQUEL CREEK AT SOQUEL (76)	D03100.00	11S/1W-10	Dec. 1951	Bimonthly	94, 113
UVAS CREEK NEAR MORGAN HILL (96)	D11371.50	10S/3E-17	July 1952	Bimonthly	95, 113

Mineral Analyses of Surface Water

Some of the column headings in the following table include:

Lab - 5000 U. S. Geological Survey

G.H. - The instantaneous gage height in feet above an established datum.

Q - The instantaneous discharge measured in cubic feet per second (cfs).

DO - The dissolved oxygen content in milligrams per liter is listed first and is followed by the percent saturation.

EC - The specific electrical conductance in micromhos at 25° Centigrade.

TDS - Gravimetric determination of total dissolved solids in milligrams per liter.

SUM - Determined by adding amounts of analyzed constituents.

TH - Total hardness represents the sum of concentrations of calcium and magnesium ions expressed as milligrams per liter of calcium carbonate.

NCH - Noncarbonate hardness represents any excess of total hardness over the total alkalinity.

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER DATE LAB TIME SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
						CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
D01200.00 SAN LORENZO RIVER AT BIG TREES (75)																			
D01200.00 10/18/65 5000 1415	0.90 18	10.3 103	59.0F	8.4 7.9	303	--	--	21 0.91	--	4 0.13	136 2.23	--	22 0.62	--	--	0.2	--	--	139 21
D01200.00 11/9/65 5000 0915	1.93 84	11.6 102	49.0F	8.3 8.0	379	--	--	22 0.96	--	2 0.07	144 2.36	--	21 0.59	--	--	0.0	--	--	142 21
D01200.00 12/8/65 5000 0930	1.32 33	11.8 98	45.0F	8.4 7.8	459	--	--	16 0.70	--	4 0.13	183 3.00	--	10 0.28	--	--	0.1	--	--	214 57
D01200.00 1/11/66 5000 1300	2.54 180	11.9 103	48.0F	8.1 8.0	333	--	--	18 0.78	--	0 0.00	112 1.84	--	18 0.51	--	--	0.1	--	--	124 32
D01200.00 2/14/66 5000 1245	2.10 110	12.1 110	52.0F	8.2 8.1	352	--	--	19 0.83	--	0 0.00	117 1.92	--	18 0.51	--	--	0.0	--	--	130 34
D01200.00 3/10/66 5000 0930	1.88 80	11.8 105	50.0F	8.3 7.6	373	--	--	12 0.52	--	2 0.07	121 1.98	--	18 0.51	--	--	0.1	--	--	140 38
D01200.00 4/13/66 5000 0830	1.53 53	10.2 94	53.0F	8.0 7.6	371	--	--	21 0.91	--	0 0.00	132 2.16	--	20 0.56	--	--	0.1	--	--	139 31
D01200.00 5/3/66 5000 0825	1.21 31	10.2 101	58.0F	8.0 7.6	363	40 2.00	8.5 0.70	21 0.91 25	1.6 0.04	0 0.00	135 2.21	43 0.90	20 0.56	0.8 0.01	--	0.0	22	224 224	135 24
D01200.00 6/16/66 5000 0910	22	10.1 96	55.0F	8.5 7.8	379	--	--	21 0.91	--	5 0.17	136 2.23	--	22 0.62	--	--	0.0	--	--	141 21
D01200.00 7/12/66 5000 0950	16	10.6 107	60.0F	8.4 7.2	372	--	--	24 1.04	--	2 0.07	138 2.26	--	24 0.68	--	--	0.0	--	--	138 22
D01200.00 9/13/66 5000 1110	0.73 11	11.5 115	59.0F	8.1 7.9	363	41 2.05	7.5 0.62	22 0.96 26	1.9 0.05	0 0.00	138 2.26	34 0.71	24 0.68	1.5 0.02	--	0.0	24	214 224	134 21

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER DATE LAB TIME SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
						D03100.00 SOQUEL CREEK AT SOQUEL (76)													
D03100.00 11/10/65 5000 0955	2.98 3.4	6.6 57	48.0F	8.3 7.8	821	--	--	49 2.13	--	2 0.07	250 4.10	--	80 2.26	--	--	0.1	--	--	306 98
D03100.00 1/11/66 5000 1000	3.03 24	10.5 90	48.0F	8.3 7.8	624	--	--	36 1.57	--	2 0.07	188 3.08	--	34 0.96	--	--	0.1	--	--	242 85
D03100.00 3/18/66 5000 1300	2.85 14	11.1 109	59.0F	8.6 8.0	701	--	--	43 1.87	--	12 0.40	202 3.31	--	43 1.21	--	--	0.1	--	--	276 91
D03100.00 5/3/66 5000 1040	2.70 5.8	11.5 112	59.0F	8.3 8.3	774	79 3.94	24 1.96	52 2.26 27	4.2 0.11	4 0.13	241 3.95	117 2.44	60 1.69	0.2 0.00	--	0.1	28	496 488	295 91
D03100.00 7/13/66 5000 1100	2.55 1.5	11.6 125	68.0F	8.6 8.0	740	--	--	45 1.96	--	12 0.40	224 3.67	--	58 1.64	--	--	0.0	--	--	292 89
D03100.00 9/7/66 5000 0810	2.58 1.6	10.5 100	56.0F	8.5 8.4	723	77 3.84	24 1.97	43 1.87 24	5.0 0.13	10 0.33	227 3.72	101 2.10	54 1.52	0.2 0.00	--	0.2	42	484 468	290 87
						D11250.00 PAJARO RIVER AT CHITTENDEN (77)													
D11250.00 10/12/65 5000 1620	2.62 5.0	8.2 85	64.0F	8.4 8.3	1146	--	--	100 4.35	--	20 0.67	403 6.61	--	96 2.71	--	--	0.4	--	--	415 52
D11250.00 11/18/65 5000 1255	3.42 37	4.5 44	59.0F	8.3 7.6	1270	--	--	66 2.87	--	6 0.20	444 7.28	--	74 2.09	--	--	0.4	--	--	576 202
D11250.00 12/7/65 5000 1420	3.07 18	9.0 77	48.0F	8.6 7.7	1430	--	--	98 4.26	--	22 0.73	398 6.52	--	100 2.82	--	--	0.4	--	--	628 266
D11250.00 1/13/66 5000 1400	3.18 80	10.1 88	49.0F	8.3 8.6	1090	--	--	80 3.48	--	4 0.13	300 4.92	--	78 2.20	--	--	0.4	--	--	426 173
D11250.00 2/11/66 5000 1250	3.63 74	10.5 101	57.0F	8.0 8.7	1010	--	--	71 3.09	--	0 0.00	290 4.75	--	70 1.97	--	--	0.3	--	--	373 135

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER DATE LAB TIME SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
D11250.00 PAJARO RIVER AT CHITTENDEN (77) (CONT.)																			
D11250.00 3/15/66 5000 1115	3.05 26	11.5 113	59.0F	8.3 7.6	1330	--	--	85 3.70	--	4 0.13	370 6.06	--	90 2.54	--	--	0.4	--	--	558 248
D11250.00 4/12/66 5000 0935	2.88 20	8.2 84	62.0F	8.4 7.7	1270	--	--	82 3.57	--	12 0.40	386 6.33	--	81 2.29	--	--	0.4	--	--	552 216
D11250.00 5/3/66 5000 1210	2.85 19	8.8 91	63.0F	8.4 8.0	1350	136 6.79	51 4.17	100 4.35 28	2.9 0.07	8 0.27	434 7.11	242 5.04	85 2.40	17 0.27	--	0.4	21	888 877	548 179
D11250.00 6/15/66 5000 1400	2.53 6.3	11.4 137	78.0F	8.5 8.4	1390	--	--	120 5.22	--	16 0.53	464 7.60	--	106 2.99	--	--	0.5	--	--	536 129
D11250.00 7/14/66 5000 0730	2.47 4.5	8.9 92	63.0F	8.3 7.7	1550	--	--	160 6.96	--	4 0.13	522 8.56	--	158 4.46	--	--	0.7	--	--	524 89
D11250.00 9/15/66 5000 1000	2.24 0.2	8.2 84	63.0F	8.3 7.6	2060	83 4.14	67 5.51	265 11.53 54	4.1 0.10	8 0.27	504 8.26	113 2.35	371 10.47	1.6 0.03	--	1.7	28	1220 1190	482 56
D11371.50 UVAS CREEK NEAR MORGAN HILL (96)																			
D11371.50 11/10/65 5000 1055	8 est.	8.2 87	64.0F	8.3 8.2	371	--	--	11 0.48	--	2 0.07	194 3.18	--	5.2 0.15	--	--	0.1	--	--	178 16
D11371.50 1/12/66 5000 0810	5	10.4 81	41.0F	8.3 8.0	319	--	--	9.2 0.40	--	2 0.07	153 2.51	--	6.0 0.17	--	--	0.1	--	--	146 17
D11371.50 3/2/66 5000 1230		14.0 134	56.0F	8.4 8.4	325	--	--	10 0.44	--	5 0.17	152 2.49	--	6.0 0.17	--	--	0.1	--	--	151 18
D11371.50 5/11/66 5000 1120	15 est.	12.5 120	56.0F	8.3 8.0	325	30 1.50	18 1.50	10 0.44 13	0.9 0.02	1 0.03	163 2.67	28 0.58	7.0 0.20	1.0 0.02	--	0.1	15	201 191	150 15

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER / DATE / TIME	LAB / SAMPLER	G.H. / Q	DO	TEMP	LAB -PH / FLD -PH	EC LAB / FLD	MINERAL CONSTITUENTS IN MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
D11371.50 UVAS CREEK NEAR MORGAN HILL (96) (CONT.)																				
D11371.50			11.8	58.0F	8.5	366	--	--	12	--	6	176	--	7.0	--	--	0.0	--	--	175
7/13/66	5000	10	116		8.2				0.52		0.20	2.88		0.20						21
1340		est.																		
D11371.50			11.4	59.0F	8.2	412	45	21	13	1.4	0	220	32	8.0	0.4	--	0.1	18	245	199
9/7/66	5000	12	113		8.4		2.25	1.73	0.57	0.04	0.00	3.61	0.67	0.23	0.01				247	19
1300		est.							12											
D12450.00 SAN BENITO RIVER NEAR BEAR VALLEY FIRE STATION (77a)																				
D12450.00		5.30	12.9	56.0F	8.6	2130	--	--	246	--	26	504	--	208	--	--	2.2	--	--	600
11/2/65	5000	0.2	127		8.5				10.70		0.87	8.26		5.87						144
1410																				
D12450.00		5.30	11.6	42.0F	8.6	1280	--	--	109	--	28	462	--	72	--	--	0.9	--	--	498
1/6/66	5000	18	94		8.1				4.74		0.93	7.57		2.03						73
0840																				
D12450.00		5.24	10.2	50.0F	8.7	884	--	--	48	--	26	431	--	26	--	--	0.5	--	--	427
3/1/66	5000	39	93		8.4				2.09		0.87	7.06		0.73						31
1435																				
D12450.00		4.22	12.8	73.0F	8.6	1480	13	103	163	4.3	16	408	284	119	0.0	--	1.4	3.2	932	456
5/9/66	5000	2.0	150		8.7		0.65	8.47	7.09	0.11	0.53	6.69	5.91	3.36	0.00				908	95
1500									43											
D12450.00		4.09	14.1	63.0F	8.6	1760	--	--	205	--	28	468	--	160	--	--	1.4	--	--	544
7/15/66	5000	0.2	150		8.4				8.92		0.93	7.67		4.51						114
1000																				
D12450.00		4.03	--	74.0F	8.5	1940	38	115	241	5.8	27	510	389	170	0.7	--	1.9	17	1240	568
9/2/66	5000	0.1	--		--		1.90	9.46	10.48	0.15	0.90	8.36	8.10	4.80	0.01				1260	106
1430									48											
D21220.00 SALINAS RIVER NEAR SPRECKELS (43)																				
D21220.00		7.73	2.9	64.0F	8.6	894	--	--	68	--	16	328	--	74	--	--	0.0	--	--	302
10/13/65	5000	3.1	30		7.3				2.96		0.53	5.38		2.09						8
1030																				
D21220.00		8.44	2.5	66.0F	8.0	655	--	--	36	--	0	256	--	42	--	--	0.0	--	--	235
11/18/65	5000	82	27		7.4				1.57		0.00	4.20		1.18						25
1200																				
D21220.00		7.87	7.4	58.0F	8.4	1070	--	--	79	--	10	374	--	82	--	--	0.2	--	--	390
12/7/65	5000	23	72		7.3				3.44		0.33	6.13		2.31						67
1330																				

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER DATE LAB TIME SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
D21220.00 SALINAS RIVER NEAR SPRECKELS (43) (CONT.)																			
D21220.00 1/13/66 5000 1130	9.08 110	8.6 77	52.0F	8.4 7.1	770	--	--	50 2.18	--	6 0.20	232 3.80	--	42 1.18	--	--	0.6	--	--	298 98
D21220.00 2/11/66 5000 1120	9.23 155	10.9 96	50.0F	8.2 7.8	800	--	--	52 2.26	--	0 0.00	247 4.05	--	46 1.30	--	--	0.1	--	--	304 101
D21220.00 3/15/66 5000 0915	7.60 7.7	7.0 62	51.0F	7.4 7.4	1230	--	--	100 4.35	--	0 0.00	404 6.62	--	95 2.68	--	--	0.2	--	--	432 101
D21220.00 4/12/66 5000 1715	7.52 8.2	--	70.0F	7.9 7.7	1540	--	--	133 5.79	--	0 0.00	614 10.06	--	148 4.18	--	--	0.2	--	--	492 0
D21220.00 5/12/66 5000 0800	7.85 18	2.6 28	64.0F	7.3 7.5	1040	97 4.84	31 2.56	74 3.22 29	26 0.66	0 0.00	448 7.34	59 1.23	74 2.09	25 0.40	--	0.0	23	620 630	370 3
D21220.00 6/15/66 5000 1300	7.09 0.9	6.2 70	71.0F	8.0 7.6	1260	--	--	140 6.09	--	0 0.00	326 5.34	--	157 4.43	--	--	0.4	--	--	304 37
D21220.00 7/14/66 5000 0600	7.07 0.9	5.9 52	50.0F	7.3 7.3	1120	--	--	135 5.87	--	0 0.00	196 3.21	--	135 3.81	--	--	0.3	--	--	248 87
D21220.00 9/13/66 5000 0930	7.02 1.8	3.1 33	65.0F	7.3 7.3	1240	56 2.79	39 3.21	141 6.13 49	10 0.26	0 0.00	320 5.24	152 3.16	127 3.58	25 0.40	--	0.6	48	752 757	300 38
D21850.00 SALINAS RIVER NEAR BRADLEY (43c)																			
D21850.00 10/12/65 5000 1315	4.59 255	8.8 101	71.0F	8.5 8.1	318	--	--	12 0.52	--	6 0.20	134 2.20	--	7.6 0.21	--	--	0.2	--	--	141 21
D21850.00 11/2/65 5000 1030	4.53 245	7.7 76	57.0F	8.4 7.8	338	--	--	14 0.61	--	4 0.13	146 2.39	--	7.8 0.22	--	--	0.0	--	--	146 20
D21850.00 12/7/65 5000 1030	3.74 15	12.2 117	55.0F	8.6 8.1	694	--	--	49 2.13	--	8 0.27	225 3.69	--	32 0.90	--	--	0.1	--	--	266 68

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
D21850.00 SALINAS RIVER NEAR BRADLEY (43c) (CONT.)																				
D21850.00 1/5/66 1310	5000	4.72 380	10.5 102	56.0F	8.4 8.0	643	-- -- -- --	-- -- -- --	40 1.74 -- --	-- -- -- --	12 0.40 -- --	211 3.46 -- --	-- -- -- --	32 0.90 -- --	-- -- -- --	-- -- -- --	0.0 -- -- --	-- -- -- --	-- -- -- --	255 62 -- --
D21850.00 2/11/66 0830	5000	4.43 290	10.5 98	53.0F	8.4 8.4	707	-- -- -- --	-- -- -- --	43 1.87 -- --	-- -- -- --	6 0.20 -- --	253 4.15 -- --	-- -- -- --	36 1.02 -- --	-- -- -- --	-- -- -- --	0.1 -- -- --	-- -- -- --	-- -- -- --	280 63 -- --
D21850.00 3/1/66 1250	5000	4.12 85	10.2 101	58.0F	8.7 8.2	777	-- -- -- --	-- -- -- --	58 2.52 -- --	-- -- -- --	14 0.47 -- --	254 4.16 -- --	-- -- -- --	44 1.24 -- --	-- -- -- --	-- -- -- --	0.2 -- -- --	-- -- -- --	-- -- -- --	298 67 -- --
D21850.00 4/12/66 1320	5000	3.65 10	10.2 129	81.0F	8.6 8.5	818	-- -- -- --	-- -- -- --	63 2.74 -- --	-- -- -- --	12 0.40 -- --	226 3.70 -- --	-- -- -- --	54 1.52 -- --	-- -- -- --	-- -- -- --	0.2 -- -- --	-- -- -- --	-- -- -- --	304 99 -- --
D21850.00 5/10/66 1015	5000	4.95 460	11.1 111	59.0F	8.2 8.1	318	30 1.50 -- --	15 1.22 -- --	13 0.57 17 --	1.3 0.03 -- --	0 0.00 -- --	139 2.28 -- --	40 0.83 -- --	8.9 0.25 -- --	0.8 0.01 -- --	-- -- -- --	0.1 -- -- --	12 -- -- --	196 189 -- --	136 22 -- --
D21850.00 6/15/66 1000	5000	4.71 255	10.3 107	63.0F	8.4 8.0	318	-- -- -- --	-- -- -- --	12 0.52 -- --	-- -- -- --	2 0.07 -- --	134 2.20 -- --	-- -- -- --	7.3 0.21 -- --	-- -- -- --	-- -- -- --	0.0 -- -- --	-- -- -- --	-- -- -- --	137 24 -- --
D21850.00 7/19/66 1201	5000	5.10 460	12.1 112	53.0F	8.4 8.0	306	-- -- -- --	-- -- -- --	12 0.52 -- --	-- -- -- --	4 0.13 -- --	128 2.10 -- --	-- -- -- --	7.0 0.20 -- --	-- -- -- --	-- -- -- --	0.0 -- -- --	-- -- -- --	-- -- -- --	136 24 -- --
D21850.00 9/1/66 1130	5000	5.16 490	11.8 127	65.0F	8.2 8.2	314	31 1.55 -- --	15 1.23 -- --	11 0.48 15 --	1.3 0.03 -- --	0 0.00 -- --	143 2.34 -- --	40 0.83 -- --	5.8 0.16 -- --	0.5 0.01 -- --	-- -- -- --	0.0 -- -- --	12 -- -- --	188 187 -- --	139 22 -- --
D31450.00 SALINAS RIVER AT PASO ROBLES (43a)																				
D31450.00 10/12/65 1115		0.0																		
D31450.00 11/2/65 0620		0.0																		
D31450.00 12/7/65 0835	5000	15 est.	10.5 88	45.0F	8.6 7.7	602	-- -- -- --	-- -- -- --	40 1.74 -- --	-- -- -- --	11 0.37 -- --	213 3.49 -- --	-- -- -- --	28 0.79 -- --	-- -- -- --	-- -- -- --	0.1 -- -- --	-- -- -- --	-- -- -- --	249 56 -- --

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER / DATE / TIME	LAB / SAMPLER	G.H. O	DO	TEMP	LAB -PH / FLD -PH	EC LAB / FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
D31450.00 SALINAS RIVER AT PASO ROBLES (43a) (CONT.)																				
D31450.00			11.8	50.0F	8.2	557	--	--	23	--	0	220	--	20	--	--	0.0	--	--	245
1/5/66	5000	30	106		7.6				1.00		0.00	3.61		0.56						65
0810		est.																		
D31450.00			10.9	52.0F	8.3	570	--	--	25	--	2	222	--	22	--	--	0.0	--	--	249
2/10/66	5000	20	100		8.0				1.09		0.07	3.64		0.62						64
1650		est.																		
D31450.00			11.0	51.0F	8.4	744	--	--	40	--	10	262	--	36	--	--	0.1	--	--	322
3/1/66	5000	12	100		8.0				1.74		0.33	4.29		1.02						91
0750		est.																		
D31450.00			13.0	80.0F	8.6	934	--	--	78	--	12	284	--	65	--	--	0.1	--	--	338
4/12/66	5000	4	163		8.4				3.39		0.40	4.65		1.83						85
1200		est.																		
D31450.00			8.2	61.0F	8.3	1070	87	33	97	4.3	8	346	178	78	1.3	--	0.3	25	687	354
5/10/66	5000	1.5	84		7.5		4.34	2.74	4.22	0.11	0.27	5.67	3.71	2.20	0.02				682	57
0550		est.							37											
D31450.00																				
6/15/66		0.0																		
0815																				
D31450.00																				
7/19/66		0.0																		
0830																				
D31450.00																				
9/1/66		0.0																		
0800																				
D32200.00 SAN ANTONIO RIVER NEAR PLEYTO (43d)																				
D32200.00			7.6	54.0F	8.3	442	--	--	22	--	2	187	--	16	--	--	0.0	--	--	186
11/2/65	5000	0.2	72		7.8				0.96		0.07	3.06		0.45						29
0910		est.																		
D32200.00			10.0	60.0F	8.4	371	--	--	12	--	8	136	--	7.0	--	--	0.0	--	--	167
1/5/66	5000	200	102		7.6				0.52		0.27	2.23		0.20						42
1130		est.																		
D32200.00			10.4	55.0F	8.4	402	--	--	13	--	4	157	--	8.4	--	--	0.0	--	--	179
3/1/66	5000	60	99		8.0				0.57		0.13	2.57		0.24						44
1100		est.																		

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER / DATE / TIME	LAB / SAMPLER	G.H. / Q	DO	TEMP	LAB -PH / FLD -PH	EC LAB / FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
D32200.00 SAN ANTONIO RIVER NEAR PLEYTO (43d) (CONT.)																				
D32200.00			10.7	64.0F	8.2	440	52	16	19	1.5	0	182	65	11	0.2	--	0.0	27	286	194
5/10/66	5000	7	114		8.3		2.59	1.29	0.83	0.04	0.00	2.98	1.35	0.31	0.00				282	45
0910		est.							17											
D32200.00			12.5	53.0F	8.4	439	--	--	22	--	8	176	--	13	--	--	0.0	--	--	188
7/19/66	5000	2	117		7.9				0.96		0.27	2.88		0.37						31
1020		est.																		
D32200.00																				
9/1/66		0.0																		
1000																				
D33520.00 NACIMIENTO RIVER NEAR SAN MIGUEL (43b)																				
D33520.00			9.1	58.0F	8.0	302	--	--	9.4	--	0	141	--	5.3	--	--	0.0	--	--	137
11/2/65	5000	240	90		7.6				0.41		0.00	2.31		0.15						21
0720		est.																		
D33520.00			8.0	58.0F	8.3	344	--	--	9.5	--	2	162	--	6.9	--	--	0.0	--	--	161
1/5/66	5000	1.5	79		7.6				0.41		0.07	2.66		0.19						25
0930		est.																		
D33520.00			9.0	50.0F	8.3	353	--	--	10	--	2	168	--	6.0	--	--	0.1	--	--	162
3/1/66	5000	5	81		7.7				0.44		0.07	2.75		0.17						21
1000		est.																		
D33520.00			11.1	51.0F	8.2	281	27	14	9.6	1.3	0	125	33	6.9	0.9	--	0.1	10	172	125
5/10/66	5000	380	101		7.6		1.35	1.15	0.42	0.03	0.00	2.05	0.69	0.19	0.01				165	23
0745		est.							14											
D33520.00			13.5	50.0F	8.4	294	--	--	10	--	2	126	--	7.0	--	--	0.0	--	--	131
7/19/66	5000	470	122		7.4				0.44		0.07	2.07		0.20						24
0930		est.																		
D33520.00			12.2	52.0F	8.4	297	30	15	9.5	1.1	4	128	33	5.3	0.5	--	0.0	12	173	136
9/1/66	5000	500	113		7.8		1.50	1.23	0.41	0.03	0.13	2.10	0.69	0.15	0.01				173	24
0900		est.							13											
D41200.00 CARMEL RIVER AT ROBLES DEL RIO (83)																				
D41200.00		2.83	8.4	68.0F	8.2	330	--	--	16	--	0	140	--	10	--	--	0.0	--	--	120
11/18/65	5000	61	93		7.6				0.70		0.00	2.29		0.28						5
0910																				
D41200.00		2.40	10.6	48.0F	8.1	230	--	--	11	--	0	95	--	9.0	--	--	0.0	--	--	87
1/13/66	5000	45	92		8.1				0.48		0.00	1.56		0.25						9
0820																				

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
D41200.00 CARMEL RIVER AT ROBLES DEL RIO (83) (CONT.)																				
D41200.00 3/15/66 0800	5000	2.65 40	12.6 117	53.0F	8.2 7.6	265	--	--	14 0.61	--	0 0.00	106 1.74	--	12 0.34	--	--	0.0	--	--	98 11
D41200.00 5/11/66 0610	5000	1.96 0.4	6.4 62	58.0F	8.0 7.4	457	41 2.05	16 1.33	28 1.22 26	2.4 0.06	0 0.00	155 2.54	64 1.33	28 0.79	0.1 0.00	--	0.1	19	278 275	169 42
D41200.00 7/15/66 0750		0.0																		
D41200.00 9/2/66 1300		0.0																		
E31100.50 NAPA RIVER AT DUTTON LANDING (72a)																				
E31100.50 6/3/66 0900	5000		9.8 101	63.0F	8.0 7.8	17200	--	--	3100 134.8	--	0 0.00	120 1.97	--	5650 159.4	--	--	1.4	--	--	2010 1910
E31100.50 7/20/66 1100	5000		9.1 95	64.0F	7.8 7.9	27000	--	--	5200 226.2	--	0 0.00	110 1.80	--	9600 270.8	--	--	2.3	--	--	3240 3150
E31100.50 9/21/66 1200	5000		8.3 92	70.0F	-- 8.1	29700	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E31500.00 NAPA RIVER NEAR ST. HELENA (72)																				
E31500.00 10/15/65 1230	5000	0.72 1.0	4.1 42	61.0F	8.5 6.9	348	--	--	19 0.83	--	4 0.13	179 2.93	--	16 0.45	--	--	0.5	--	--	159 6
E31500.00 11/12/65 1230	5000	0.67 4.9	3.7 37	58.0F	8.0 7.1	342	--	--	21 0.91	--	0 0.00	146 2.39	--	26 0.73	--	--	0.5	--	--	126 6
E31500.00 12/13/65 0920	5000	0.92 13	9.1 79	48.0F	8.3 7.1	283	--	--	24 1.04	--	1 0.03	100 1.64	--	24 0.68	--	--	0.6	--	--	85 1
E31500.00 1/14/66 1400	5000	2.06 110	10.9 99	52.0F	8.1 7.3	192	--	--	11 0.48	--	0 0.00	70 1.15	--	8.0 0.23	--	--	0.3	--	--	67 10

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER DATE LAB TIME SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
E31500.00 NAPA RIVER NEAR ST. HELENA (72) (CONT.)																			
E31500.00 2/8/66 5000 1430	2.52 197	10.8 106	58.0F	8.0 7.4	158	--	--	9.5 0.41	--	0 0.00	63 1.03	--	1.2 0.03	--	--	0.1	--	--	53 1
E31500.00 3/4/66 5000 1550	1.74 70	11.6 100	48.0F	8.0 7.1	201	--	--	12 0.52	--	0 0.00	83 1.36	--	9.0 0.25	--	--	0.3	--	--	69 1
E31500.00 4/8/66 5000 1225	1.17 27	10.9 116	64.0F	8.0 7.5	247	--	--	16 0.70	--	0 0.00	101 1.66	--	14 0.39	--	--	0.3	--	--	84 1
E31500.00 5/6/66 5000 0800	0.88 15	7.8 81	62.0F	8.0 7.3	303	23 1.15	9.6 0.79	23 1.00 33	2.5 0.06	0 0.00	116 1.90	17 0.35	21 0.59	7.4 0.12	--	0.7	35	198 196	97 2
E31500.00 6/10/66 5000 1200	0.65 6.4	13.2 153	72.0F	8.4 7.4	339	--	--	22 0.96	--	1 0.03	141 2.31	--	22 0.62	--	--	0.6	--	--	119 2
E31500.00 7/13/66 5000 1150	0.47 1.5	10.0 111	69.0F	8.5 7.2	356	--	--	18 0.78	--	2 0.07	167 2.74	--	12 0.34	--	--	0.3	--	--	150 10
E31500.00 9/16/66 5000 1330	0.60 0.9	8.0 85	65.0F	7.4 7.6	373	33 1.65	18 1.48	18 0.78 20	2.2 0.06	0 0.00	186 3.05	17 0.35	12 0.34	8.0 0.13	--	0.3	26	221 226	156 3
E51150.00 ALAMEDA CREEK NEAR NILES (73)																			
E51150.00 10/14/65 5000 1232	3.08 39	9.6 98	63.0F	8.2 7.8	455	--	--	52 2.26	--	0 0.00	126 2.07	--	72 2.03	--	--	0.1	--	--	136 33
E51150.00 11/9/65 5000 1245	3.14 49	10.3 102	59.0F	8.0 8.0	579	--	--	54 2.35	--	0 0.00	126 2.07	--	85 2.40	--	--	0.3	--	--	149 46
E51150.00 12/10/65 5000 1300	2.60 8.2	11.2 99	50.0F	8.2 7.9	894	--	--	71 3.09	--	0 0.00	284 4.65	--	96 2.71	--	--	0.7	--	--	306 73
E51150.00 1/11/66 5000 1410	2.74 15	8.2 74	52.0F	8.5 8.3	744	--	--	50 2.18	--	13 0.43	245 4.02	--	60 1.69	--	--	0.5	--	--	286 64

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER DATE LAB TIME SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
E51150.00 ALAMEDA CREEK NEAR NILES (73) (CONT.)																			
E51150.00 2/14/66 5000 0900	3.08 42	10.1 87	48.0F	7.8 7.9	1220	-- -- -- --

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							E51400.00 ARROYO DEL VALLE NEAR LIVERMORE (71) (CONT.)													
E51400.00 1/14/66 1415	5000	2.49 12	10.6 100	54.0F	8.5 8.1	532	--	--	23 1.00	--	12 0.40	235 3.85	--	16 0.45	--	--	0.7	--	--	243 31
E51400.00 2/9/66 1700	5000	2.71 31	10.4 83	42.0F	8.4 8.2	474	--	--	20 0.87	--	4 0.13	223 3.65	--	12 0.34	--	--	0.2	--	--	213 24
E51400.00 3/3/66 1740	5000	2.47 11	10.6 93	48.0F	8.6 8.3	531	--	--	24 1.04	--	8 0.27	244 4.00	--	17 0.48	--	--	0.4	--	--	237 24
E51400.00 4/13/66 1725	5000	2.25 2.5	8.5 92	66.0F	8.5 7.9	618	--	--	34 1.48	--	7 0.23	284 4.65	--	24 0.68	--	--	0.5	--	--	274 30
E51400.00 5/20/66 1305	5000	2.14 0.9	9.5 114	75.0F	8.4 8.1	763	67 3.34	37 3.02	50 2.18 25	2.4 0.06	6 0.20	342 5.61	77 1.60	40 1.13	0.1 0.00	--	0.9	19	464 467	318 28
E51400.00 6/14/66 1050	5000	2.14 0.4	9.6 116	76.0F	8.2 8.0	729	--	--	48 2.09	--	0 0.00	315 5.16	--	40 1.13	--	--	0.7	--	--	284 26
E51400.00 7/20/66 0755	5000	2.10 0.2	8.9 93	62.0F	8.3 7.9	883	--	--	70 3.04	--	4 0.13	360 5.90	--	63 1.78	--	--	1.4	--	--	324 22
E51400.00 9/7/66 1630		0.0																		
							E64250.00 COYOTE CREEK NEAR MADRONE (82)													
E64250.00 10/18/65 1830	5000	2.36 65	9.2 97	64.0F	8.5 8.1	329	--	--	16 0.70	--	6 0.20	165 2.70	--	10 0.28	--	--	0.3	--	--	160 15
E64250.00 11/10/65 1205	5000	2.30 46	8.1 84	62.0F	8.1 8.2	386	--	--	17 0.74	--	0 0.00	183 3.00	--	10 0.28	--	--	0.1	--	--	167 17
E64250.00 12/8/65 1235	5000	2.25 37	10.4 81	41.0F	8.6 8.4	400	--	--	18 0.78	--	6 0.20	182 2.98	--	11 0.31	--	--	0.1	--	--	198 39

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER / DATE / TIME	LAB / SAMPLER	G.H. / Q	DO	TEMP	LAB -PH / FLD -PH	EC LAB / FLD	MINERAL CONSTITUENTS IN MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
E64250.00 COYOTE CREEK NEAR MADRONE (82) (CONT.)																				
E64250.00		1.08	10.1	45.0F	8.4	419	--	--	18	--	4	181	--	14	--	--	0.1	--	--	180
1/12/66	5000	0.1	84		8.2				0.78		0.13	2.97		0.39						25
0930																				
E64250.00		1.97	10.2	52.0F	8.4	436	--	--	21	--	3	194	--	15	--	--	0.1	--	--	182
2/14/66	5000	6.5	93		8.0				0.91		0.10	3.18		0.42						18
1050																				
E64250.00		1.08	15.1	49.0F	8.6	422	--	--	21	--	5	175	--	12	--	--	0.1	--	--	176
3/2/66	5000	0.1	132		8.5				0.91		0.17	2.87		0.34						24
1100																				
E64250.00		2.44	12.5	55.0F	8.5	441	--	--	22	--	6	189	--	10	--	--	0.1	--	--	190
4/13/66	5000	75	119		8.3				0.96		0.20	3.10		0.28						25
1225																				
E64250.00		2.43	11.5	62.0F	8.4	398	41	16	18	1.6	4	172	46	12	1.4	--	0.1	9.3	230	170
5/11/66	5000	72	117		8.3		2.05	1.35	0.78	0.04	0.13	2.82	0.96	0.34	0.02				234	22
1235									18											
E64250.00		2.42	10.3	73.0F	8.6	433	--	--	19	--	8	186	--	14	--	--	0.1	--	--	188
6/16/66	5000	65	120		8.4				0.83		0.27	3.05		0.39						22
1400																				
E64250.00			9.8	67.0F	8.5	537	--	--	26	--	8	240	--	19	--	--	0.0	--	--	238
7/14/66	5000	0.7	107		8.2				1.13		0.27	3.93		0.54						28
0950																				
E64250.00																				
9/15/66		0.0																		
1200																				
E65250.00 LOS GATOS CREEK AT LOS GATOS (74)																				
E65250.00			9.4	64.0F	8.5	414	--	--	14	--	5	184	--	9.0	--	--	0.2	--	--	202
10/18/65	5000	3.1	100		8.0				0.61		0.17	3.02		0.25						43
1625																				
E65250.00			8.6	60.0F	8.1	457	--	--	15	--	0	198	--	9.0	--	--	0.1	--	--	209
11/9/65	5000	3.3	87		8.1				0.65		0.00	3.25		0.25						47
1155																				
E65250.00			9.6	56.0F	8.3	397	--	--	24	--	2	138	--	23	--	--	0.0	--	--	147
12/8/65	5000	45	93		8.2				1.04		0.07	2.26		0.65						31
1110																				

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER / DATE / TIME	LAB / SAMPLER	G.H. / Q	DO	TEMP	LAB -PH / FLD -PH	EC LAB / FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
E65250.00 LOS GATOS CREEK AT LOS GATOS (74) (CONT.)																				
E65250.00		4.03	10.1	52.0F	8.3	402	--	--	13	--	3	141	--	8.9	--	--	0.0	--	--	179
1/12/66	5000	23	93		8.3				0.57		0.10	2.31		0.25						58
1200																				
E65250.00		4.34	10.5	56.0F	8.2	420	--	--	15	--	0	149	--	10	--	--	0.0	--	--	181
2/14/66	5000	44	102		8.4				0.65		0.00	2.44		0.28						59
1345																				
E65250.00		3.57	12.5	54.0F	8.6	468	--	--	16	--	8	162	--	8.5	--	--	0.1	--	--	213
3/2/66	5000	2.1	118		8.4				0.70		0.27	2.66		0.24						67
1430																				
E65250.00		3.69	10.7	54.0F	8.3	469	--	--	17	--	2	166	--	11	--	--	0.1	--	--	211
4/13/66	5000	6.2	101		8.0				0.74		0.07	2.72		0.31						72
1045																				
E65250.00		3.87	10.8	57.0F	8.0	486	55	20	18	1.6	0	180	90	11	1.2	--	0.0	15	310	220
5/11/66	5000	14	106		8.0		2.74	1.66	0.78	0.04	0.00	2.95	1.87	0.31	0.02				301	72
0910									15											
E65250.00			10.0	60.0F	8.4	531	--	--	21	--	5	195	--	12	--	--	0.1	--	--	243
6/16/66	5000	10	102		8.2				0.91		0.17	3.20		0.34						75
1050																				
E65250.00			9.9	60.0F	8.6	549	--	--	20	--	8	204	--	12	--	--	0.0	--	--	262
7/13/66	5000	0.6	101		7.4				0.87		0.27	3.34		0.34						82
1210																				
E65250.00		3.56	10.5	68.0F	8.2	616	73	27	23	2.6	0	245	112	14	0.6	--	0.2	14	400	293
9/7/66	5000	2.2	117		8.4		3.64	2.22	1.00	0.07	0.00	4.02	2.33	0.39	0.01				387	92
1020									14											
F81100.00 GUALALA RIVER, SOUTH FORK, NEAR ANNAPOLIS (9a)																				
F81100.00		3.94	5.3	59.0F	8.1	188	--	--	8.4	--	0	88	--	6.7	--	--	0.0	--	--	77
11/16/65	5000	445	52		7.4				0.37		0.00	1.44		0.19						5
1200																				
F81100.00			10.8	50.0F	7.8	191	--	--	8.2	--	0	92	--	5.7	--	--	0.0	--	--	78
1/19/66	5000	380	84		7.5				0.36		0.00	1.51		0.16						3
1230																				
F81100.00		3.75	13.0	55.0F	8.0	171	--	--	8.4	--	0	85	--	4.7	--	--	0.0	--	--	72
3/17/66	5000	492	124		7.3				0.37		0.00	1.39		0.13						2
1130																				

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB SAMPLER	G.H. O	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
F81100.00 GUALALA RIVER, SOUTH FORK, NEAR ANNAPOLIS (9a) (CONT.)																				
F81100.00 5/17/66 1005	5000	45	9.9 101	62.0F	8.0 7.7	248	24 1.20	11 0.90	12 0.52 20	1.7 0.04	0 0.00	133 2.18	13 0.27	7.8 0.22	0.3 0.00	--	0.1	14	157 150	105 0
F81100.00 7/20/66 0940	5000	3.74 14	8.0 87	68.0F	8.2 7.7	267	--	--	13 0.57	--	0 0.00	148 2.43	--	6.6 0.19	--	--	0.0	--	--	114 0
F81100.00 9/9/66 1200	5000	3.40 1.0	9.8 102	64.0F	7.7 7.4	276	27 1.35	12 0.99	14 0.61 20	1.5 0.04	0 0.00	155 2.54	9.0 0.19	6.4 0.18	0.2 0.00	--	0.2	19	163 165	117 0
F82100.00 NAVARRO RIVER NEAR NAVARRO (8b)																				
F82100.00 11/12/65 0900	5000	3.55 59	9.4 89	56.0F	8.4 7.6	285	--	--	13 0.57	--	3 0.10	150 2.46	--	8.2 0.23	--	--	0.2	--	--	121 0
F82100.00 1/14/66 1130	5000	6.47 532	11.6 99	48.0F	7.6 7.3	177	--	--	8.6 0.37	--	0 0.00	85 1.39	--	5.8 0.16	--	--	0.1	--	--	71 1
F82100.00 3/17/66 1000	5000	6.35 638	13.4 124	54.0F	8.2 7.4	195	--	--	12 0.52	--	0 0.00	85 1.39	--	11 0.31	--	--	0.0	--	--	70 0
F82100.00 5/17/66 0750	5000	66	10.4 94	59.0F	7.9 7.5	255	26 1.30	10 0.82	12 0.52 19	1.4 0.04	0 0.00	136 2.23	12 0.25	7.9 0.22	0.1 0.00	--	0.2	16	154 153	106 0
F82100.00 7/20/66 0640	5000	3.74 14.1	7.0 73	64.0F	8.4 7.3	270	--	--	13 0.57	--	4 0.13	142 2.33	--	7.4 0.21	--	--	0.0	--	--	115 0
F82100.00 9/9/66 1000		6.0	10.2 98	60.0F	Sample Lost 7.4															

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER / DATE / TIME	LAB / SAMPLER	G.H. / Q	DO	TEMP	LAB -PH / FLD -PH	EC LAB / FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
F82720.00 BIG RIVER NEAR MOUTH (8c)																				
F82720.00 11/11/65 1450	5000	14	10.3 98	56.0F	8.2 7.6	236	-- -- --	-- -- --	12 0.52 --	-- -- --	0 0.00 --	126 2.07 --	-- -- --	7.7 0.22 --	-- -- --	-- -- --	0.4 -- --	-- -- --	-- -- --	96 0 --
F82720.00 1/13/66 1545	5000	300 est.	11.5 99	48.0F	7.6 7.2	139	-- -- --	-- -- --	7.7 0.33 --	-- -- --	0 0.00 --	65 1.07 --	-- -- --	5.0 0.14 --	-- -- --	-- -- --	0.1 -- --	-- -- --	-- -- --	52 0 --
F82720.00 3/16/66 1615	5000	350 est.	11.8 109	54.0F	8.1 7.4	137	-- -- --	-- -- --	7.3 0.32 --	-- -- --	0 0.00 --	67 1.10 --	-- -- --	4.8 0.14 --	-- -- --	-- -- --	0.0 -- --	-- -- --	-- -- --	52 0 --
F82720.00 5/16/66 1345	5000	31	10.5 108	63.0F	7.9 7.4	192	19 0.95 --	6.4 0.53 --	11 0.48 24	1.4 0.04 --	0 0.00 --	100 1.64 --	8.0 0.17 --	6.8 0.19 --	0.1 0.00 --	-- -- --	0.2 -- --	16 -- --	119 118 --	74 0 --
F82720.00 7/19/66 1140	5000	10	8.5 94	69.0F	7.7 7.5	208	-- -- --	-- -- --	12 0.52 --	-- -- --	0 0.00 --	112 1.84 --	-- -- --	6.2 0.17 --	-- -- --	-- -- --	0.2 -- --	-- -- --	-- -- --	81 0 --
F82720.00 9/8/66 1400	5000	5 est.	9.2 88	60.0F	7.7 7.6	216	20 1.00 --	7.3 0.60 --	12 0.52 24	1.5 0.04 --	0 0.00 --	114 1.87 --	6.0 0.12 --	7.0 0.20 --	0.1 0.00 --	-- -- --	0.5 -- --	16 -- --	132 126 --	80 0 --
F83080.50 NOYO RIVER NEAR FORT BRAGG (10c)																				
F83080.50 11/12/65 0705	5000	2.84 8.7	9.4 87	54.0F	8.1 7.1	172	-- -- --	-- -- --	11 0.48 --	-- -- --	0 0.00 --	84 1.38 --	-- -- --	8.2 0.23 --	-- -- --	-- -- --	0.2 -- --	-- -- --	-- -- --	62 0 --
F83080.50 1/14/66 0545	5000	200 est.	11.5 101	50.0F	7.4 7.1	110	-- -- --	-- -- --	7.0 0.30 --	-- -- --	0 0.00 --	49 0.80 --	-- -- --	5.3 0.15 --	-- -- --	-- -- --	0.0 -- --	-- -- --	-- -- --	38 0 --
F83080.50 3/17/66 0815	5000	4.71 344	11.8 101	48.0F	7.9 7.0	111	-- -- --	-- -- --	7.5 0.33 --	-- -- --	0 0.00 --	52 0.85 --	-- -- --	4.9 0.14 --	-- -- --	-- -- --	0.0 -- --	-- -- --	-- -- --	38 0 --
F83080.50 5/17/66 0535	5000	28	10.5 100	56.0F	7.9 7.3	149	14 0.70 --	4.6 0.38 --	9.7 0.42 28	0.9 0.02 --	0 0.00 --	72 1.18 --	9.0 0.19 --	7.5 0.21 --	0.0 0.00 --	-- -- --	0.1 -- --	18 -- --	104 99 --	54 0 --
F83080.50 7/20/66 0500	5000	2.54 2.0	7.9 83	65.0F	8.1 7.3	168	-- -- --	-- -- --	11 0.48 --	-- -- --	0 0.00 --	82 1.34 --	-- -- --	7.7 0.22 --	-- -- --	-- -- --	0.0 -- --	-- -- --	-- -- --	61 0 --
F83080.50 9/9/66 0810	5000	2.70 3.4	10.4 91	52.0F	8.1 7.2	176	16 0.80 --	5.8 0.48 --	12 0.52 28	1.3 0.03 --	0 0.00 --	84 1.38 --	5.0 0.10 --	9.1 0.26 --	0.3 0.00 --	-- -- --	0.2 -- --	17 -- --	108 108 --	64 0 --

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
F91080.50 RUSSIAN RIVER AT GUERNEVILLE (10)																				
F91080.50 11/9/65 0713	5000	4.02 380	8.5 84	59.0F	8.2 7.6	327	-- -- -- --

TABLE D-2

MINERAL ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

STATION NUMBER DATE TIME	LAB SAMPLER	G.H. Q	DO	TEMP	LAB -PH FLD -PH	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
							F91765.00 RUSSIAN RIVER NEAR HOPLAND (8a)													
F91765.00 11/10/65 1215	5000	5.59 335	10.4 106	60.0F	8.0 7.6	215	--	--	7.2 0.31	--	0 0.00	122 2.00	--	3.4 0.10	--	--	0.4	--	--	97 0
F91765.00 1/12/66 1310	5000	8.52 2860	11.2 99	49.0F	7.5 7.0	186	--	--	7.0 0.30	--	0 0.00	92 1.51	--	3.4 0.10	--	--	0.2	--	--	74 0
F91765.00 3/8/66 1105	5000	6.50 832	11.0 99	50.0F	8.2 7.2	189	--	--	7.7 0.33	--	0 0.00	97 1.59	--	3.2 0.09	--	--	0.2	--	--	84 4
F91765.00 5/16/66 0810	5000	324	11.2 103	52.0F	7.8 7.4	188	18 0.90	9.2 0.76	7.0 0.30 15	1.1 0.03	0 0.00	98 1.61	13 0.27	3.5 0.10	1.5 0.02	--	0.2	11	119 112	83 3
F91765.00 7/12/66 0550	5000	5.18 211	9.1 90	58.0F	8.3 7.4	187	--	--	6.0 0.26	--	1 0.03	99 1.62	--	2.8 0.08	--	--	0.1	--	--	84 1
F91765.00 9/23/66 1100	5000	248	10.0 109	66.0F	8.0 7.6	193	21 1.05	8.1 0.67	6.6 0.29 14	0.9 0.02	0 0.00	104 1.70	8.0 0.17	2.4 0.07	0.9 0.01	--	0.3	13	112 112	86 1
							F94900.00 RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWERHOUSE (10a)													
F94900.00 11/10/65 0925	5000	150	9.7 91	52.0F	8.4 7.7	238	--	--	7.1 0.31	--	4 0.13	129 2.11	--	4.3 0.12	--	--	0.6	--	--	111 0
F94900.00 1/12/66 1000	5000	3.52 306	12.0 98	42.0F	7.7 7.5	124	--	--	5.6 0.24	--	0 0.00	65 1.07	--	2.0 0.06	--	--	0.1	--	--	55 2
F94900.00 3/8/66 0850	5000	3.50 303	12.1 104	46.0F	8.1 7.3	134	--	--	4.4 0.19	--	0 0.00	70 1.15	--	1.3 0.04	--	--	0.1	--	--	61 4
F94900.00 5/16/66 0845	5000	3.46 297	11.1 104	52.0F	7.9 7.5	139	17 0.85	4.7 0.39	4.4 0.19 13	0.9 0.02	0 0.00	74 1.21	7.0 0.15	1.5 0.04	0.3 0.00	--	0.2	9.2	93 81	62 1
F94900.00 7/21/66 1430	5000	2.78 205	11.5 132	70.0F	8.0 7.6	147	--	--	4.3 0.19	--	0 0.00	80 1.31	--	1.4 0.04	--	--	0.0	--	--	66 0
F94900.00 9/23/66 0930	5000	3.63 323	11.2 122	65.0F	7.8 7.7	176	22 1.10	6.2 0.51	5.3 0.23 12	0.7 0.02	0 0.00	98 1.61	8.0 0.17	1.7 0.05	0.2 0.00	--	0.3	8.0	97 100	80 0

TABLE D-3

TRACE ELEMENT ANALYSES OF SURFACE WATER

CENTRAL COASTAL AREA

Station	Station Number	Date	Constituents in micrograms per liter																
			Aluminum (Al)	Beryllium (Be)	Bismuth (Bi)	Cadmium (Cd)	Cobalt (Co)	Chromium (Cr)	Copper (Cu)	Iron (Fe)	Gallium (Go)	Germanium (Ge)	Manganese (Mn)	Molybdenum (Mo)	Nickel (Ni)	Lead (Pb)	Titanium (Ti)	Vanadium (V)	Zinc (Zn)
PAJARO RIVER NEAR CHITTENDEN (77)	D11250.00	5-3-66	20	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	19	< 5.7	< 0.29	< 1.4	2.6	6.6	< 1.4	1.2	2.7	< 5.7
PAJARO RIVER NEAR CHITTENDEN (77)	D11250.00	9-15-66	23	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	31	< 5.7	< 0.29	< 1.4	< 0.29	5.1	< 1.4	< 0.57	< 0.29	< 5.7
SALINAS RIVER NEAR SPRECKELS (43)	D21220.00	5-12-66	12	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	25	< 5.7	< 0.29	194	4.3	5.4	< 1.4	1.2	< 0.29	< 5.7
SALINAS RIVER NEAR SPRECKELS (43)	D21220.00	9-13-66	9.4	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	43	66	< 5.7	< 0.29	514	25	8.0	< 1.4	< 0.57	2.3	< 5.7
NAPA RIVER NEAR ST. HELENA (72)	E31500.00	5-6-66	21	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	25	< 5.7	< 0.29	< 1.4	1.0	2.9	< 1.4	< 0.57	1.3	< 5.7
NAPA RIVER NEAR ST. HELENA (72)	E31500.00	9-16-66	5.4	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	81	< 5.7	< 0.29	< 1.4	< 0.29	2.7	< 1.4	< 0.57	0.9	< 5.7
ALAMEDA CREEK NEAR NILES (73)	E51150.00	5-19-66	43	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	31	< 5.7	< 0.29	< 1.4	2.4	2.2	< 1.4	2.3	4.6	< 5.7
ALAMEDA CREEK NEAR NILES (73)	E51150.00	9-22-66	13	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	31	< 5.7	< 0.29	11	2.6	2.7	< 1.4	< 0.57	7.4	< 5.7
ARROYO DEL VALLE NEAR LIVERMORE (71)	E51400.00	5-20-66	23	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	54	< 5.7	< 0.29	< 1.4	< 0.29	1.9	< 1.4	< 0.57	0.6	< 5.7
ARROYO DEL VALLE NEAR LIVERMORE (71)	E51400.00	9-7-66	PONDED - NO FLOW																
COYOTE CREEK NEAR MADRONE (82)	E64250.00	5-11-66	15	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	7.1	10	< 5.7	< 0.29	< 1.4	< 0.29	3.7	< 1.4	0.6	0.5	< 5.7
COYOTE CREEK NEAR MADRONE (82)	E64250.00	9-15-66	DRY																
RUSSIAN RIVER NEAR GUERNEVILLE (10)	F91080.50	5-3-66	13	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	17	< 5.7	< 0.29	< 1.4	< 0.29	1.8	< 1.4	< 0.57	< 0.29	< 5.7
RUSSIAN RIVER NEAR GUERNEVILLE (10)	F91080.50	9-21-66	6.6	< 0.57	< 0.29	< 1.4	< 1.4	< 1.4	< 1.4	19	< 5.7	< 0.29	< 1.4	< 0.29	0.7	< 1.4	< 0.57	1.4	< 5.7

Miscellaneous Constituents in Surface Water

Two of the several column headings in the following tables show:

Turbidity - The values are shown in ppm when they represent parts per million of silica and in Jackson Candle Units when reported as "Units".

MBAS - Methylene blue active substances are a measure of the detergents (ABS and LAS).

TABLE D-4

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

CENTRAL COASTAL AREA

Station	Station Number	Date	Turbidity ppm	Turbidity units	MBAS in mg/l	As in mg/l	PO_4 in mg/l	Other Constituents
San Lorenzo River at Big Trees (75)	D01200.00	10-18-65	1					
		11-9-65	1					
		12-8-65	5					
		1-11-66	15					
		2-14-66	2					
		3-10-66	1					
		4-13-66	2					
		5-3-66	1		0.0	0.00	0.42	
		6-16-66	1					
		7-12-66	2					
		9-13-66	3		0.0	0.00	0.58	
Soquel Creek at Soquel (76)	D03100.00	11-10-65	0					
		1-11-66	2					
		3-18-66	1					
		5-3-66	1		0.0	0.00	0.34	
		7-13-66	5					
		9-7-66	1		0.0	0.00	0.37	
Pajaro River at Chittenden (77)	D11250.00	10-12-65	10					
		11-18-65	15					
		12-7-65	10					
		1-13-66	20					
		2-11-66	15					
		3-15-66	4					
		4-12-66	10					
		5-3-66	5		0.0	0.00	0.44	
		6-15-66	15					
		7-14-66	10					
		9-15-66	20		0.0	0.00	0.58	
Uvas Creek near Morgan Hill (96)	D11371.50	11-10-65	10					
		1-12-66	30					
		3-2-66	2					
		5-11-66	2		0.0	0.00	0.01	
		7-13-66	5					
		9-7-66	3		0.0	0.00	0.05	
San Benito River near Bear Valley Fire Station (77a)	D12450.00	11-2-65	1					
		1-6-66	85					
		3-1-66	30					
		5-9-66	1		0.0	0.00	0.00	
		7-15-66	1					
		9-2-66	1		0.0	0.00	0.02	
Salinas River near Spreckels (43)	D21220.00	10-13-65	5					
		11-18-65	60					
		12-7-65	10					
		1-13-66	250					
		2-11-66	180					
		3-15-66	35					
		4-12-66	5					
		5-12-66	3		0.0	0.00	2.6	
		6-15-66	10					
		7-14-66	2					
		9-13-66	2		0.3	0.01	1.4	
Salinas River near Bradley (43c)	D21850.00	10-12-65	2					
		11-2-65	2					
		12-7-65	5					
		1-5-66	75					
		2-11-66	35					
		3-1-66	5					
		4-12-66	1					
		5-10-66	5		0.0	0.00	0.04	
		6-15-66	5					
		7-19-66	3					
		9-1-66	4		0.0	0.00	0.12	
Salinas River at Paso Robles (43a)	D31450.00	12-7-65	2					
		1-5-66	20					
		2-10-66	30					
		3-1-66	4					
		4-12-66	2					
		5-10-66	1		0.0	0.00	0.41	
San Antonio River near Pleyto (43d)	D32200.00	11-2-65	0					
		1-5-66	15					
		3-1-66	1					
		5-10-66	1		0.0	0.00	0.17	
		7-19-66	1					

TABLE D-4

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

CENTRAL COASTAL AREA

Station	Station Number	Date	Turbidity ppm	Turbidity units	MBAS in mg/l	As in mg/l	PO_4 in mg/l	Other Constituents
Nacimiento River near San Miguel (43b)	D33520.00	11-2-65	4					
		1-5-66	5					
		3-1-66	1					
		5-10-66	1		0.0	0.00	0.03	
		7-19-66	1					
		9-1-66	3		0.0	0.00	0.17	
Carmel River near Robles del Rio (83)	D41200.00	11-18-65	5					
		1-13-66	1					
		3-15-66	1					
		5-11-66	1		0.0	0.00	0.00	
Napa River at Dutton Landing (72a)	E31100.50	6-3-66	5					
		7-20-66	20					
		9-21-66	5					
Napa River near St. Helena (72)	E31500.00	10-15-65	5					
		11-12-65	1					
		12-13-65	5					
		1-14-66	10					
		2-8-66	5					
		3-4-66	4					
		4-8-66	1					
		5-6-66	1		0.0	0.00	0.79	
		6-10-66	1					
		7-13-66	1					
		9-16-66	1		0.0	0.00	0.14	
Alameda Creek near Niles (73)	E51150.00	10-14-65	25					
		11-9-65	40					
		12-10-65	5		0.0			
		1-11-66	5					
		2-14-66	5		0.5			
		3-11-66	15					
		4-13-66	15		0.1			
		5-19-66	40		0.0	0.00	0.53	
		6-17-66	65		0.0			
		7-14-66	15		0.0			
		8-5-66	25		0.0			
		9-22-66	5		0.0	0.00	0.70	
Arroyo del Valle near Livermore (71)	E51400.00	10-14-65	0					
		11-4-65	2		0.0			
		12-10-65	2					
		1-14-66	1					
		2-9-66	1					
		3-3-66	2					
		4-13-66	1					
		5-20-66	1		0.0	0.00	0.07	
		6-14-66	1					
		7-20-66	1					
Coyote Creek near Madrone (82)	E64250.00	10-18-65	5					
		11-10-65	4					
		12-8-65	4					
		1-12-66	5					
		2-14-66	5					
		3-2-66	2					
		4-13-66	5					
		5-11-66	5		0.0	0.00	0.03	
		6-16-66	15					
		7-14-66	1					
Los Gatos Creek at Los Gatos (74)	E65250.00	10-18-65	15					
		11-9-65	5					
		12-8-65	4					
		1-12-66	35		0.0			
		2-14-66	12					
		3-2-66	25					
		4-13-66	4					
		5-11-66	4		0.0	0.00	0.08	
		6-16-66	65					
		7-13-66	25					
		9-7-66	10		0.0	0.00	0.10	

TABLE D-4

MISCELLANEOUS CONSTITUENTS IN SURFACE WATER

CENTRAL COASTAL AREA

Station	Station Number	Date	Turbidity ppm	Turbidity units	MBAS in mg/l	As in mg/l	PO_4 in mg/l	Other Constituents
Gualala River, South Fork, near Annapolis (9a)	F81100.00	11-16-65	15					
		1-19-66	15					
		3-17-66	5					
		5-17-66	1		0.0	0.00	0.10	
		7-20-66	1					
		9-9-66	1		0.0	0.00	0.07	
Navarro River near Navarro (8b)	F82100.00	11-12-65	2					
		1-14-66	50					
		3-17-66	15					
		5-17-66	1		0.0	0.00	0.09	
		7-20-66	1					
Big River near Mouth (8c)	F82720.00	11-11-65	3					
		1-13-66	10					
		3-16-66	35					
		5-16-66	1		0.0	0.00	0.08	
		7-19-66	1					
		9-8-66	1		0.0	0.00	0.06	
Noyo River near Fort Bragg (10c)	F83080.50	11-12-65	15					
		1-14-66	15					
		3-17-66	4					
		5-17-66	1		0.0	0.00	0.09	
		7-20-66	1					
		9-9-66	1		0.0	0.00	0.06	
Russian River at Guerneville (10)	F91080.50	11-9-65	5					
		1-11-66	140					
		3-30-66	3					
		5-3-66	4		0.0	0.00	0.41	
		7-12-66	5					
		9-21-66	5		0.0	0.00	0.66	
Russian River near Healdsburg (9)	F91500.00	11-10-65	3					
		1-19-66	10					
		3-8-66	10					
		5-3-66	1		0.0	0.00	0.06	
		7-12-66	3					
		9-23-66	5		0.0	0.00	0.02	
Russian River near Hopland (8a)	F91765.00	11-10-65	2					
		1-13-66	85					
		3-8-66	30					
		5-16-66	5		0.0	0.00	0.15	
		7-12-66	5					
		9-23-66	2		0.0	0.00	0.15	
Russian River, East Fork, at Potter Valley Powerhouse (10a)	F94900.00	11-10-65	5					
		1-13-66	200					
		3-8-66	80					
		5-16-66	10		0.0	0.00	0.12	
		7-21-66	2					
		9-23-66	1		0.0	0.00	0.01	

TABLE D-5

DESCRIPTION OF SALINITY
OBSERVATION STATIONS

CENTRAL COASTAL AREA

STATIONS	STATION NUMBER	LOCATION
Crockett	E03100.90	West end of Carquinez Strait, south shore, 0.2 mile east of Carquinez Bridge on wharf of C and H Sugar Refinery Corporation.
Martinez	E03300.10	East end of Carquinez Strait, sampled from Shell Oil Company dock, about 0.6 mile downstream from Southern Pacific Company railroad bridge.
Port Chicago	E03200.90	South shore of Suisun Bay at U. S. Naval ammunition loading wharf below Port Chicago.
Middle Point	E03200.00	South shore of Suisun Bay, about 0.5 mile upstream from Middle Point at Allied Chemical Corporation Yard.
Pittsburg	B91070.10	East end of Suisun Bay in New York Slough at Pittsburg Yacht Harbor.
Collinsville	E31110.00	Sacramento River, north bank, at junction with San Joaquin River.

TABLE D-6

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

Chlorides In Milligrams Per Liter

STATION	October 1965							
	10-2-65	10-6-65	10-10-65	10-14-65	10-18-65	10-22-65	10-26-65	10-30-65
Crockett	8230						9000	7220
Martinez			3550ed	7710	6680	4740	6090	5540
Port Chicago	3230ed	3140	3590a	5400	2820	2760	3450	3400
Middle Point	3320	2590	2760	1130	284			2000d
Pittsburg			130	146	139a	62bd	97	72a
Collinsville								

STATION	November 1965							
	11-2-65	11-6-65	11-10-65	11-14-65	11-18-65	11-22-65	11-26-65	11-30-65
Crockett	7850	10200	9850	9910	9170	6870		6880
Martinez	6620	8610				1400a	2340	5220
Port Chicago	2980	3980	4960	4400	3690	1850	598	1770
Middle Point	2010	3750	3800	4520	2840ae			1690
Pittsburg	82d	65		182a	74	39		21a
Collinsville		49	148		31	26	13a	17

STATION	December 1965							
	12-2-65	12-6-65	12-10-65	12-14-65	12-18-65	12-22-65	12-26-65	12-30-65
Crockett	6840	9370ed	8420	3810		6930	5840	5810
Martinez	6220				5990	5380		
Port Chicago		4180		916	1770	2340	932	1840
Middle Point	2330	3590	1520a	772a	488	1840	461	1320
Pittsburg				44a	37	34	34bd	33d
Collinsville	17		21a	21	18	12	18a	20

STATION	January 1966							
	1-2-66	1-6-66	1-10-66	1-14-66	1-18-66	1-22-66	1-26-66	1-30-66
Crockett	5380	4250	2690	3210		5210	4310	6300
Martinez						4900	3260	5020
Port Chicago	1670	1120	56	132	1590	1050	310	2680
Middle Point		59a	37	30a		580	33	2990
Pittsburg				36		30	26a	31
Collinsville	16	19	17	12	12	12a	14	10

* Samples taken at four-day intervals approximately one and one-half hours after high high tide.

a Taken after low high tide.
b Taken on following day.
c Taken two days later.
d Taken over one hour off scheduled time
e Taken on preceding day.
f Taken two days earlier.

TABLE D-6

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

Chlorides In Milligrams Per Liter

STATION	February 1966							
	2-2-66	2-6-66	2-10-66	2-14-66	2-18-66	2-22-66	2-26-66	
Crockett	5900	6500	4000	6330	7560	6870		
Martinez					2030a	5370		
Port Chicago	2050	1190	50	1810	3240	1450	108a	
Middle Point	1320	619	33a	104	617	1100	68a	
Pittsburg	38bd	36d	41abd	41d	36	42	40	
Collinsville	15	19	20		24	24a	20	

STATION	March 1966							
	3-2-66	3-6-66	3-10-66	3-14-66	3-18-66	3-22-66	3-26-66	3-30-66
Crockett	7360	8490	8020		6730		7800	5760
Martinez					3820a	3550a	5270	4200
Port Chicago	3250	3140	1670	1730	2030	317	248	158
Middle Point	1980	2050	422a	197ae	908	101	1290	
Pittsburg		39			28		23	22
Collinsville		28		21	14	12	13	15

STATION	April 1966							
	4-2-66	4-6-66	4-10-66	4-14-66	4-18-66	4-22-66	4-26-66	4-30-66
Crockett	8510	8360		5570	10400	8490	8720	9420
Martinez	4950a	5150	2900	1630d		6570	5550	
Port Chicago	1760	2150		468	4360	3680	4320	3820ed
Middle Point	1670	1050	1050	261	3430	2610	2400	
Pittsburg	23	26abd	29	20	48a	46a	153bd	
Collinsville	14			13	17a	15a	83	49a

STATION	May 1966							
	5-2-66	5-6-66	5-10-66	5-14-66	5-18-66	5-22-66	5-26-66	5-30-66
Crockett	10000	11400		9340	9180	11400	9630	
Martinez		5420a			7210		4330ae	8530
Port Chicago	4030	5560	5170	5330	4650	6090	4950	4660
Middle Point		4710		1650a		2320a	3150	4170
Pittsburg	170a	320a	382	217a	126a			348a
Collinsville	65a	437	490	108a	39a	485	258	202a

* Samples taken at four-day intervals approximately one and one-half hours after high high tide.
a Taken after low high tide.
b Taken on following day.
c Taken two days later.
d Taken over one hour off scheduled time.
e Taken on preceding day.
f Taken two days earlier.

TABLE D-6

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

Chlorides In Milligrams Per Liter

STATION	June 1966							
	6-2-66	6-6-66	6-10-66	6-14-66	6-18-66	6-22-66	6-26-66	6-30-66
Crockett	11100	ad10300ad	11600e	10500	13200	13700	12000e	13600
Martinez	5670a		8370a	10500	11900		8850a	
Port Chicago	6550	6870	5490e	8300	9830	9400	8120e	10700
Middle Point		5960	4760e	6850	6220		5920a	
Pittsburg	511a	581a	810a	1150abd	1370a		2170a	
Collinsville	467a	1260	889a	703a		2940		1980a

STATION	July 1966							
	7-2-66	7-6-66	7-10-66	7-14-66	7-18-66	7-22-66	7-26-66	7-30-66
Crockett	14200		12300e	12500e	14800	13700	14300e	15100
Martinez								
Port Chicago	9750	8540	7430e	10400	7770a	8460	9210e	9230
Middle Point				2620	9450		6570e	9750
Pittsburg	2030a			2280a		2880a	2530ad	2360a
Collinsville	s1990a	3170	2200a		2630a	3240a	2220a	

STATION	August 1966							
	8-2-66	8-6-66	8-10-66	8-14-66	8-18-66	8-22-66	8-26-66	8-30-66
Crockett		14000	13700e	15300	14100	13300	13200e	
Martinez					12000			
Port Chicago	9700		7450a		9200	8700	9250	8950
Middle Point	8380d	7180	9430e	10100	7800d	7850		7080
Pittsburg	2240a	2550a	2600ad	2190a	1870a		1740a	1910
Collinsville	3900	2510a	2300a		2860	1930a	1760a	

STATION	September 1966							
	9-2-66	9-6-66	9-10-66	9-14-66	9-18-66	9-22-66	9-26-66	9-30-66
Crockett	12600	13700	12100e	12100	12900	10900e	10900	14200
Martinez					6760bd	9400e	7760	9570a
Port Chicago	7100	8300		7180	7320	6500e	6670	7240
Middle Point	6380	6700	5410e					
Pittsburg	1300a	1280bd	860a	942a	845a	1180a		1180
Collinsville	1580	1190a		688a	755a	833a	724a	952a

* Samples taken at four-day intervals approximately one and one-half hours after high high tide.
s Taken after low high tide.
b Taken on following day.
c Taken two days later.
d Taken over one hour off scheduled time.
e Taken on preceding day.
f Taken two days earlier.

TABLE D-7

NUTRIENTS IN SURFACE WATER

CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved Oxygen mg/l	Dissolved Oxygen %Sat	Specific Conductance (micromhos at 25°C) Field/Lab	pH Fld/Lab	Secchi Disk (Feet)	* Turbidity Field/Lab	Suspend'd Solids mg/l	Other Constituents and Remarks	Nutrients mg/l: Nitrate (NO_3)	Ammonium (N)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphate (PO_4)	Total Phosphate (PO_4)	Total & Organic Phosphat (PO_4)
SAN LORENZO RIVER AT BIG TREES (75)	D01200.00	11-9-65 0915	84	49	11.6	102	/379	8.0/8.3		/1				0.02	0.00	0.2	0.2	0.55	0.55	
		1-11-66 1300	180	48	11.9	103	/333	8.0/8.1		/15				0.04	0.00	0.2	0.2	0.32	0.49	0.50
		3-10-66 0930	80	50	11.8	105	/373	7.6/8.3		/1				0.10	0.00	0.0	0.1	0.33	0.36	0.36
		5-3-66 0825	31	58	10.2	101	/363	7.6/8.0		/1				0.00	0.00	0.2	0.5	0.46	0.49	0.51
		7-12-66 0950	16	60	10.6	107	/372	7.2/8.4		/2	10			0.00	0.00	0.1	0.5	0.50	0.54	0.56
MONTEREY BAY AT SANTA CRUZ (120)	D0PR61.52	1-11-66 0900		44	10.1	82		7.6/	1.0					0.04	0.01	0.2	0.0	0.08	0.08	0.15
		3-10-66 0655		49	10.4	90		8.4/	3.5					0.00	0.00	0.2	0.0	0.06	0.07	0.13
		5-3-66 0600		59	10.4	103		8.5/						0.00	0.00	0.1	0.7	0.03	0.05	0.10
		7-12-66 0645		58			/52100	8.4/	2.5		5			0.00	0.00	0.1	0.2	0.06	0.11	0.18
		9-13-66 0710		57			/52100	8.6/	3.0		2			0.00	0.01	0.1	0.0	0.13	0.13	0.14
PAJARO RIVER AT CHITTENDEN (77)	D11250.00	11-18-65 1255	37	59	4.5	44	/1270	7.6/8.3		/15				0.07	0.06	1.4	0.9	0.32	0.51	0.67
		1-13-66 1400	80	49	10.1	88	/1090	8.6/8.3		/20				0.27	0.05	3.8	1.3	0.60	0.67	0.80
		3-15-66 1115	26	59	11.5	113	/1330	7.6/8.3		/4				0.00	0.04	4.4	1.0	0.13	0.13	0.26
		5-3-66 1210	19	63	8.8	91	/1350	8.0/8.4		/5				0.00	0.07	3.4	0.8	0.45	0.48	0.53
		7-14-66 0730	4.5	63	8.9	92	/1550	7.7/8.3		/10	33			0.00	0.02	0.4	1.0	0.99	1.2	1.3
		9-15-66 1000	0.2	63	8.2	84	/2060	7.6/8.3		/20	25			0.05	0.02	0.5	0.9	0.86	0.93	0.95

* Lab Turbidity is given in parts per million of silica.

TABLE D-7

NUTRIENTS IN SURFACE WATER

CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled PST	Discharge in cfs	Temp in °F	Dissolved Oxygen mg/l	Dissolved Oxygen %Sat	Specific Conductance (micromhos at 25°C) Field / Lab	pH Fld / Lab	Secchi Disk (Feet)	* Turbidity Field / Lab	Suspend'd Solids mg/l	Other Constituents and Remarks	Nutrients mg/l: Nitrate (NO_3)	Ammonium (N)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphate (PO_4)	Total Phosphate (PO_4)	Total & Organic Phosphat (PO_4)
SALINAS RIVER NEAR SPRECKELS (43)	D21220.00	11-18-65 1200	73	66	2.5	27	655	7.4 / 8.0		60				7.2	0.05	0.3	4.8	0.96	1.8	2.3
		1-13-66 1130	110	52	8.6	78	770	7.1 / 8.4		250				0.30	0.60	0.9	1.0	1.8	2.2	2.4
		3-15-66 0915	7.7	51	7.0	62	1230	7.4 / 7.4		35				4.2	0.13	1.5	0.9	6.7	9.3	10
		5-12-66 0800	18	64	2.7	28	1040	7.5 / 7.3		3				5.2	0.09	0.6	1.0	2.4	2.3	3.0
		7-14-66 0600	0.9	50	5.9	52	1120	7.3 / 7.3		2	14			3.3	0.01	4.6	3.3	48	61	73
		9-13-66 0930	2.0	65	3.2	33	1240	7.3 / 7.3		2	12			11	2.2	12	3.7	48	50	50
NAPA RIVER AT DUTTON LANDING (72a)	E31100.50	12-1-65 1120		48	6.9	59		7.3			24			0.75	0.09	0.6	0.4	0.32	0.34	0.49
		1-27-66 1130		46	9.1	76		7.3	1.3		26			0.59		1.5	0.6	0.37	0.45	0.55
		3-30-66 1300		60	8.9	89	7070	7.2	0.5					0.68	0.05	1.1	0.3	0.84	0.95	1.1
		6-3-66 0900		63	9.8	101	17200	7.3	1.0	5				0.47	0.09	0.4	0.0	0.56	0.70	1.0
		7-20-66 1100		64	9.1	95	27000	7.2	1.5	20	36			0.00	0.00	0.2	1.4	0.56	1.6	1.6
		9-21-66 1200		70	8.3	92	31400	8.1	2.0	[illegible]	[illegible]			0.13	0.04	0.4	0.2	0.27	0.27	0.46
ALAMEDA CREEK NEAR NILES (73)	E51150.00	11-9-65 1245	49	59	10.3	102	579	8.0 / 8.0		40				0.46	0.10	1.1	0.5	1.9	1.9	
		1-11-66 1410	15	52	8.2	74	744	8.3 / 8.5		5				0.03	0.02	0.9	0.8	0.68	0.88	1.1
		3-11-66 1100	28	54	10.5	97	866	8.2 / 8.4		13				0.07	0.07	1.5	1.0	2.3	2.6	2.9
		5-19-66 1040	47	65	10.0	105	460	8.0 / 8.0		10				0.01	0.00	0.2	0.5	0.56	0.64	0.73
		7-14-66 0700	24	65	9.0	95	540	7.9 / 8.0		13	41			0.01	0.00	0.4	0.4	1.5	1.9	1.9
		9-22-66 1000	27	65	9.1	96	645	8.2 / 7.9		3	16			0.01	0.00	0.1	0.5	0.71	0.71	0.80

* Lab turbidity is given in parts per million of silica.

TABLE D-7

NUTRIENTS IN SURFACE WATER

CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Temp in °F	Dissolved Oxygen mg/l	Dissolved Oxygen %Sat	Specific Conductance (micromhos at 25°C) Field/Lab	pH Fld/Lab	Secchi Disk (Feet)	* Turbidity Field/Lab	Suspend'd Solids mg/l	Other Constituents and Remarks	Nutrients mg/l: Nitrate (NO_3)	Ammonium (N)	Nitrite (N)	Nitrate (N)	Organic Nitrogen (N)	Ortho-phosphate (PO_4)	Total Phosphate (PO_4)	Total & Organic Phosphat (PO_4)
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	11-9-65 0713	380	59	8.5	84	327/	7.6/8.2		/5				1.1	0.06	0.4	0.5	3.1	3.2	
		1-11-66 0700	8080	48	11.8	102	197/	7.4/7.8		/140				0.03	0.00	0.6	0.4	0.44	0.78	0.82
		3-30-66 0830	1180	58	11.6	113	287/	7.6/8.2		/3				0.03	0.02	0.5	0.5	0.26	0.32	0.37
		5-3-66 0800	610	59	8.4	83	288/	7.6/7.8		/4				0.09	0.02	0.4	0.3	0.44	0.47	0.50
		7-12-66 1000	175	71	10.2	118	298/	8.2/8.4		/5	21			0.00	0.00	0.0	0.4	0.46	0.70	0.70
		9-21-66 0700	212	68	11.3	123	287/	8.2/8.0		/5	16			0.06	0.02	0.2	0.2	0.57	0.60	0.64

* Lab turbidity is given in parts per million of silica.

Pesticides in Surface Water and Sediment

Abbreviations used in the following table include:

BHC - Benzene hexachloride

DDD - Dichloro diphenyl dichloroethane

ppDDD - Para para isomer of dichloro diphenyl dichloroethane

DDE - Dichloro diphenyl ethane

ppDDE - Para para isomer of dichloro diphenyl ethane

DDT - Dichloro diphenyl trichloroethane

ppDDT - Para para isomer of dichloro diphenyl trichloroethane

Where two pesticides are reported together with a slash mark separating them (ppDDE/Dieldrin, Simazine/Atrazine, etc.), the reported concentration is an undifferentiated total of the two. Either of the two pesticides could make up the entire total.

TABLE D-8

PESTICIDES IN SURFACE WATER AND SEDIMENT

CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Specific conductance (micromhos at 25°C)	pH Field / Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
SAN LORENZO RIVER AT BIG TREES (75)	D01200.00	11-9-65[a] 0915	84	379	8.0 / 8.3	BHC = 1 Lindane = 1	Heptachlor Epoxide = 0.8 Dieldrin = 0.9 ppDDD = 1.4
		1-11-66 1300	180	333	8.0 / 8.1	No chlorinated pesticides detected	Heptachlor Epoxide = 0.4 ppDDD = 1.7 ppDDT = 1.8
		3-10-66 0930	80	373	7.6 / 8.3	No chlorinated pesticides detected	ppDDD = 3.9 Unknown chlorinated compounds as DDT = 23
		5-3-66 0825	31	363	7.6 / 8.0	4 unknowns as DDT = 9 Kelthane like = 7	ppDDD = 3.0 Unknown chlorinated compounds as DDT = 29
		7-12-66 0950	16	372	7.2 / 8.4	No chlorinated pesticides detected	Dieldrin = 0.6 ppDDD = 2.4 ppDDT = 0.5 Unknown chlorinated compounds as DDT = 22
		9-13-66 1110	11	363	7.9 / 8.1	No chlorinated pesticides detected	Dieldrin = 33 ppDDD = 29 Complex chlorinated compounds as DDT = 700
MONTEREY BAY AT SANTA CRUZ (120)	D0PR61.52	11-9-65[a] 0645			6.0	BHC = 1 Lindane = 1 Dieldrin = 2 ppDDD = 2	
		1-11-66 0900			7.6	No chlorinated pesticides detected	
		3-10-66 0655			8.4	No chlorinated pesticides detected	
		5-3-66 0600			8.5	3 unknowns as DDT = 6 Kelthane like = 7	
		7-12-66 0645		52100	8.4	No chlorinated pesticides detected	
		9-13-66 0710		52100	8.6	No chlorinated pesticides detected	
PAJARO RIVER AT CHITTENDEN (77)	D11250.00	11-18-65[a] 1255	37	1270	7.6 / 8.3	BHC, Lindane = 15 ppDDD = 5	Kelthane = 0.2 Heptachlor Epoxide = 0.6 ppDDE/Dieldrin = 4.3 ppDDD = 6.4
		1-13-66 1400	80	1090	8.6 / 8.3	No chlorinated pesticides detected	ppDDE = 1.0 Dieldrin = 1.0 ppDDD = 2.4
		3-15-66 1115	26	1330	7.6 / 8.3	BHC = 55	Unknown chlorinated compounds as DDT = 35
		5-3-66 1210	19	1350	8.0 / 8.4	Unknown as DDT = 14 BHC like = 17 Unknown as DDT = 6 Kelthane = 10 Heptachlor Epoxide = 11 Unknown as DDT = 7 Endrin = 11 Unknown as DDT = 11	ppDDE/Dieldrin = 2.0 ppDDD = 5.0 Unknown chlorinated compounds as DDT = 46
		7-14-66 0730	4.5	1550	7.7 / 8.3	Simazine/Atrazine = 31 Heptachlor = 4 Unknown as DDT = 42 ppDDD = 3	ppDDD = 7.6 Chlorinated compounds as DDT = 29
		9-15-66 1000	0.2	2060	7.6 / 8.3	BHC = 3 ppDDD = 3	DDD = 5.5

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.
a Samples were analyzed by the Department of Water Resources using a gas chromatograph with an electron capture detector.

TABLE D-8

PESTICIDES IN SURFACE WATER AND SEDIMENT

CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Specific conductance (micromhos at 25°C)	pH Field / Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
SALINAS RIVER NEAR SPRECKELS (43)	D21220.00	11-18-65[a] 1200	73	655	7.4 8.3	BHC, Lindane = 15 Heptachlor Epoxide = 4 Dieldrin = 5 ppDDD = 3	Kelthane = 1.7 Heptachlor Epoxide = 2.1 ppDDE/Dieldrin = 1.7 ppDDD = 21
		1-13-66 1130	110	770	7.1 8.4	No chlorinated pesticides detected	Kelthane 2.2 Heptachlor Epoxide = 2.1 ppDDE/Dieldrin = 15 ppDDD = 15
		3-15-66 0915	7.7	1230	7.4 7.4	BHC = 20 Dieldrin = 10 ppDDT = 10	ppDDE/Dieldrin = 7.0 ppDDD = 13 Unknown chlorinated compounds as DDT = 248
		5-12-66 0800	18	1040	7.5 7.3	Unknown as DDT = 14 BHC like = 9 2 unknowns as DDT = 12 Heptachlor Epoxide = 3 Dieldrin = 8 ppDDT = 12	ppDDE/Dieldrin = 6.0 ppDDD = 7.0 Unknown chlorinated compounds as DDT = 31
		7-14-66 0600	0.9	1120	7.3 7.3	Lindane = 236 Heptachlor = 100 Dieldrin = 33 ppDDT = 74	Chlorinated compounds as DDT = 148 ppDDE/Dieldrin = 8.5 Toxaphene = 103
		9-13-66 0930	2.0	1240	7.3 7.3	Lindane = 175 Heptachlor = 310 Heptachlor Epoxide = 65 Dieldrin = 80 Unknown as DDT = 61	Dieldrin = 62 ppDDD = 105 Complex chlorinated compounds as DDT = 1800
NAPA RIVER AT DUTTON LANDING (72a)	E31100.50	12-1-65[b] 1120		13500	7.3	Unknown peak = trace Unknown peak = trace Lindane = 10 Heptachlor Epoxide = trace DDE = 35 DDT = 40	Unknown peak = 22 Lindane = 6.5 Heptachlor Epoxide = 14 DDE = 36 DDT = 75
		1-27-66[b] 1130		5300	7.3	Unknown peak = trace Lindane = trace Heptachlor Epoxide = 10 DDE = trace Unknown peak = 25 DDT = 40	Unknown peak = 11 Lindane = 17 Heptachlor Epoxide = 20 DDE = 22 DDT = 30 DDT = 49 Dieldrin = 4.0
		3-30-66 1300		7070	7.9	BHC = 5	Kelthane = 1.0 ppDDE/Dieldrin = 14 ppDDD = 28 Unknown chlorinated compounds as DDT = 275
		6-3-66 0900		17200	7.8 8.0	BHC = 9 Dieldrin = 3	ppDDT = 8.0 Toxaphene = 265
		7-20-66 1100		27000	7.9 7.8	Complex chlorinated compounds as DDT = 530	ppDDE/Dieldrin = 6.1 Toxaphene = 220
		9-21-66 1200		29700	8.1	BHC like = 9	Complex chlorinated compounds as DDT = 110

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.

a Samples were analyzed by the Department of Water Resources using a gas chromatograph with an electron capture detector.

b Samples were analyzed for pesticides by Stoner Laboratory using a gas chromatograph with a microcoulometric detector.

TABLE D-8

PESTICIDES IN SURFACE WATER AND SEDIMENT

CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled P.S.T.	Discharge in cfs	Specific conductance (micromhos at 25°C)	pH Field/Lab	Pesticides in Water (parts per trillion)	Pesticides in Sediment (parts per billion of dry weight)
ALAMEDA CREEK NEAR NILES (73)	E51150.00	11-9-65[a] 1245	49	579	8.0/3.0	BHC = 1 Lindane = 1 Dieldrin = 1 ppDDD = 3	Kelthane = 3.1 Heptachlor Epoxide = 2.8 Dieldrin = 2.2 ppDDD = 7.9 ppDDT = 8.9
		1-11-66 1410	15	744	8.3/3.5	No chlorinated pesticides detected	BHC = 1.4 Kelthane = 0.8 ppDDD = 3.7 ppDDT = 5.1
		3-11-66 1100	28	866	8.2/3.4	BHC = 15 ppDDD = 15	Heptachlor Epoxide = 1.3 ppDDE/Dieldrin = 10 ppDDD = 14 ppDDT = 2.5 Unknown chlorinated compounds as DDT = 60
		5-19-66 1040	47	460	8.0/3.5	BHC like = 4 Dieldrin like = 3 ppDDD = 7	BHC like = 0.9 Kelthane = 0.6 DDE/Dieldrin = 3.6 Unknown chlorinated compounds as DDT = 57
		7-14-66 0700	24	543	7.9/3.6	BHC = 3 Dieldrin = 2 ppDDD = 3	Toxaphene like = 21
		9-22-66 1000	27	645	8.2/7.5	BHC like = 3	
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	11-9-65[a] 0713	380	327	7.6/3.8	Lindane = 1 BHC = 1 ppDDD = 2	Kelthane = 2.9 Heptachlor Epoxide = 3.2 Dieldrin = 3.6 ppDDD = 5.1 ppDDT = 4.9
		1-11-66 0700	8080	197	7.4/7.3	No chlorinated pesticides detected	Dieldrin = 0.4 Heptachlor Epoxide = 0.5 ppDDD = 1.4 ppDDT = 2.3
		3-30-66 0830	1180	287	7.6/3.2	BHC = 20	Dieldrin = 1.0 ppDDD = 2.0 Unknown chlorinated compounds as DDT = 14
		5-3-66 0800	610	288	7.6/7.8	4 unknowns as DDT = 11 Kelthane like = 8 Unknown as DDT = 4	ppDDE/Dieldrin = 1.0 ppDDD = 3.0 Unknown chlorinated compounds as DDT = 18
		7-12-66 1000	175	298	8.2/3.4	No chlorinated pesticides detected	ppDDD = 1.1 Unknown chlorinated compounds as DDT = 29
		9-21-66 0700	212	287	8.2/3.0	BHC like = 3	No chlorinated pesticides detected

Except as noted, samples were analyzed for pesticides by the Department of Water Resources using a gas chromatograph with a microcoulometric detector.
a Samples were analyzed by the Department of Water Resources using a gas chromatograph with an electron capture detector.

Appendix E

GROUND WATER QUALITY

INTRODUCTION

Ground water quality data collected during the period from October 1, 1965 through September 30, 1966 are presented in this appendix. The data were collected from a number of major ground water sources in the Central Coastal Area in cooperation with other state, local, and federal agencies. During the 1966 water year, 416 wells were sampled in 18 ground water basins and subbasins.

Some temperature measurements and comments on sampling conditions are available in the files of the Department.

Laboratory analyses of ground water were performed in accordance with Standard Methods for the Examination of Water and Waste Water, 12th Edition, published by American Public Health Association, Inc., in 1965.

The Region and Basin, and the State Well Numbering Systems are described in Appendix C, "Ground Water Measurement".

Total hardness (TH) represents the sum of the concentrations of calcium and magnesium ions expressed as milligrams per liter of calcium carbonate. Noncarbonate hardness (NCH) represents any excess of total hardness over the total alkalinity. The lower number representing total dissolved solids (TDS) is a summation of constituents and the upper number is the result of a gravemetric analysis. Specific electrical conductance (EC) of a solution is an expression of the reciprocal ohms per centimeter multiplied by 100,000. The value is determined at 25°C, or corrected to this temperature.

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER / DATE / TIME	LAB / SAMPLER	TEMP	PH LAB	PH FLD	EC LAB	EC FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
NORTH COASTAL REGION (No. 1)																					
UKIAH VALLEY (1-15)																					
14N/12W-05K01	M	--	--		613			--	--	--	--	--	--	--	--	--	--	0.7	--	--	--
09/14/66																					
1545																					
14N/12W-11N01	M	--	8.1		288			23	20	9.2	--	0.0	123	--	8.5	--	--	0.1	--	--	139
09/14/66								1.15	1.64	.40			2.02		.24						38
1515																					
14N/12W-26K01	M	--	--		402			--	--	--	--	--	--	--	--	--	--	2.0	--	--	--
09/15/66																					
1320																					
15N/12W-16E01	M	--	8.0		282			30	15	9.6	--	0.0	151	--	8.5	--	--	0.2	--	--	138
09/14/66								1.50	1.23	.42			2.48		.24						14
1430																					
15N/12W-21H01	M	--	--		294			--	--	--	--	--	--	--	--	--	--	0.7	--	--	--
09/16/66																					
0730																					
15N/12W-35D01	M	--	--		418			--	--	--	--	--	--	--	--	--	--	0.2	--	--	--
09/14/66																					
1445																					
16N/12W-05D01	M	--	7.4		374			26	20	23	--	0.0	177	--	27	--	--	0.0	--	--	148
10/14/66								1.30	1.64	1.00			2.90		.76						3
1345																					
16N/12W-05D02	M	--	--		359			--	--	--	--	--	--	--	16	--	--	0.0	--	--	--
09/14/66															.45						
1345																					
16N/12W-09Q01	M	--	--		417			--	--	--	--	--	--	--	--	--	--	0.0	--	--	--
09/15/66																					
1245																					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCM
17N/12W-28M01 M 10/14/66 1300	--	7.1	207	18 .90	12 .99	13 .44	--	0.0	79 1.30	--	8.6 .24	--	--	0.0	--	--	95 30
SANEL VALLEY (1-16)																	
12N/11W-02F01 M 09/15/66 1415	--	--	439	--	--	--	--	--	--	--	--	--	--	0.4	--	--	--
13N/11W-07D01 M 09/15/66 1600	--	8.1	248	20 1.00	18 1.48	8.4 .37	--	0.0	137 2.25	--	5.0 .14	--	--	0.2	--	--	125 13
13N/11W-19N01 M 09/15/66 1445	--	--	320	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--
13N/11W-30H01 M 09/15/66 1400	--	6.7	373	32 1.60	21 1.73	10 .44	--	0.0	180 2.95	--	8.4 .24	--	--	0.2	--	--	168 21
ALEXANDER VALLEY (1-17)																	
09N/08W-07J01 M 09/07/66 0940	--	--	633	--	--	145 6.31	--	--	--	--	--	--	--	0.4	--	--	--
09N/09W-01P01 M 09/07/66 0900	--	8.6	420	35 1.75	28 2.30	9.2 .40	--	12 .40	182 2.98	--	8.0 .23	--	--	0.1	--	--	205 36
10N/09W-26L01 M 09/07/66 0830	--	8.7	566	32 1.60	53 4.36	12 .52	--	17 .57	282 4.62	--	9.7 .27	--	--	0.1	--	--	299 40

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
11N/10W-28N01	M	--	--	239	--	--	--	--	--	--	--	--	--	--	0.4	--	--	--
09/06/66 1315																		
11N/10W-33G01	M	--	7.7	185	14 .70	8.3 .68	18 .78	--	0.0	51 .84	--	20 .56	--	--	0.0	--	--	69 27
09/06/66 1410																		
SANTA ROSA VALLEY (1-18)																		
05N/09W-03F01	M	--	--	524	--	--	99 4.31	--	--	--	--	--	--	--	0.6	--	--	--
09/07/66 1410																		
06N/07W-17E02	M	--	--	620	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--
09/08/66 0950																		
06N/07W-18R01	M	--	--	723	--	--	--	--	--	--	--	--	15 .24	--	--	--	--	--
09/08/66 0900																		
06N/08W-03B01	M	--	--	428	--	--	--	--	--	--	--	--	14 .23	--	--	--	--	--
09/08/66 0830																		
07N/06W-29P01	M	--	--	234	--	--	17 .74	--	--	--	--	--	--	--	--	--	--	--
09/08/66 1140																		
07N/07W-15C01	M	--	8.1	257	16 .80	12 .99	23 1.00	--	0.0	150 2.46	--	7.5 .21	--	--	0.0	--	--	91 0
09/08/66 1105																		
07N/08W-03L01	M	--	--	637	--	--	64 2.78	--	--	--	--	--	--	--	--	--	--	--
09/07/66 1150																		

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
07N/08W-05G01 M 09/07/66 1230		--	7.7	521	28 1.40	27 2.22	31 1.35	--	0.0	154 2.53	--	70 1.97	--	--	0.0	--	--	183 57
07N/08W-18G01 M 09/07/66 1610		--	--	584	--	--	64 2.78	--	--	--	--	--	--	--	0.4	--	--	--
07N/08W-30P01 M 09/07/66 1530		--	8.6	891	57 2.84	48 3.95	52 2.26	--	12 .40	200 3.28	--	105 2.96	--	--	0.1	--	--	342 158
07N/09W-09F01 M 09/14/66 1300		--	8.1	153	11 .55	6.7 .55	15 .65	--	0.0	64 1.05	--	13 .37	--	--	0.0	--	--	55 3
07N/09W-36M01 M 09/07/66 1500		--	--	405	--	--	41 1.78	--	--	--	--	--	--	--	0.1	--	--	--
08N/08W-20Q01 M 09/07/66 1050		--	8.4	494	21 1.05	23 1.89	47 2.04	--	2.0 .07	210 3.44	--	40 1.13	--	--	0.1	--	--	148 0
09N/10W-11C01 M 09/08/66 1445		--	8.3	208	13 .65	12 .99	18 .78	--	0.0	116 1.90	--	50 1.41	--	--	0.0	--	--	80 0

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
SAN FRANCISCO BAY REGION (No. 2)																		
PETALUMA VALLEY (2-1.00)																		
03N/06W-01Q01	M	--	--	1340	--	--	220	--	--	--	--	141	--	--	--	--	--	--
11/19/65							9.57					3.98						
03N/06W-01Q01	M	--	--	1310	--	--	172	--	--	--	--	139	--	--	--	--	--	--
05/31/66							7.48					3.92						
1610																		
03N/06W-01Q01	M	--	--	1320	--	--	--	--	--	--	--	145	--	--	--	--	--	--
09/29/66												4.09						
1830																		
03N/06W-03C01	M	--	--	4400	--	--	--	--	--	--	--	1140	--	--	--	--	--	--
11/18/65												32.15						
03N/06W-03C01	M	--	--	3930	--	--	378	--	--	--	--	1020	--	--	0.0	--	--	--
06/01/66							16.44					28.76						
1310																		
03N/06W-03C01	M	--	--	4190	--	--	--	--	--	--	--	1110	--	--	--	--	--	--
09/29/66												31.30						
1805																		
03N/06W-11B01	M	--	--	2080	--	--	--	--	--	--	--	364	--	--	--	--	--	--
11/18/65												10.26						
03N/06W-11B01	M	--	--	2000	--	--	334	--	--	--	--	363	--	--	--	--	--	--
05/31/66							14.53					10.24						
1510																		
03N/06W-11B01	M	--	--	2100	--	--	--	--	--	--	--	387	--	--	--	--	--	--
09/28/66												10.91						
1900																		

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
03N/06W-15M01 M 09/16/66 0935	--	--	422	--	--	--	--	--	--	--	32 .90	--	--	--	--	--	--
03N/06W-18M01 M 04/21/66 1125	--	7.1	688	42 2.10	44 3.62	33 1.44	--	0.0	172 2.82	--	47 1.33	--	--	0.0	--	--	286 145
03N/06W-18M01 M 09/06/66 0850	--	--	650	--	--	--	--	--	--	--	52 1.47	51 .82	--	--	--	--	--
03N/07W-14F01 M 04/21/66 1145	--	--	684	--	--	--	--	--	--	--	96 2.71	--	--	--	--	--	--
03N/07W-14F01 M 09/06/66 0905	--	--	657	--	--	--	--	--	--	--	66 1.86	--	--	0.5	--	--	--
04N/06W-07H01 M 11/18/65	--	--	1130	--	--	--	--	--	--	--	43 1.21	--	--	--	--	--	--
04N/06W-07H01 M 06/01/66 1520	--	8.5	1120	56 2.79	72 5.92	91 3.96	--	21 .70	556 9.12	--	48 1.35	--	--	1.7	--	--	436 0
04N/06W-07H01 M 09/28/66 1820	--	--	1230	--	--	--	--	--	--	--	55 1.55	--	--	--	--	--	--
04N/06W-07H02 M 11/18/65	--	--	3870	--	--	668 29.06	--	--	--	--	794 22.39	--	--	3.1	--	--	--
04N/06W-07H02 M 06/01/66 1530	--	--	4110	--	--	706 30.71	--	--	--	--	898 25.32	--	--	2.8	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB PH FLD	EC LAB EC FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
04N/06W-07R02 M 09/28/66 1830	--	--	3970	--	--	--	--	--	--	--	872 24.59	--	--	--	--	--	--
04N/06W-21Q01 M 11/18/65	--	--	1180	--	--	206 8.96	--	--	--	--	174 4.91	--	--	1.2	--	--	--
04N/06W-21Q01 M 06/01/66 1445	--	--	953	--	--	182 7.92	--	--	--	--	104 2.93	--	--	0.8	--	--	--
04N/06W-21Q01 M 09/16/66 1045	--	--	943	--	--	--	--	--	--	--	101 2.85	--	--	--	--	--	--
04N/06W-27R01 M 11/19/65	--	--	672	--	--	--	--	--	--	--	40 1.13	--	--	0.1	--	--	--
04N/06W-27R01 M 06/01/66 1430	--	8.0	892	45 2.25	49 4.03	63 2.74	--	0.0	315 5.17	--	113 3.19	--	--	0.0	--	--	315 57
04N/06W-33R01 M 11/19/65	--	--	10600	--	--	--	--	--	--	--	3270 92.21	--	--	--	--	--	--
04N/06W-33R01 M 06/01/66 1340	--	8.1	5810	270 13.47	312 25.65	400 17.40	--	0.0	509 8.35	--	1690 47.66	--	--	0.2	--	--	1960 1544
04N/06W-33R01 M 09/16/66 1030	--	--	7900	--	--	--	--	--	--	--	2440 68.81	--	--	--	--	--	--
04N/07W-02D01 M 11/14/65	--	--	26900	--	--	--	--	--	--	--	10200 287.64 1	--	--	0.6	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
05N/06W-30D01 M 11/14/65	--	--	884	--	--	--	--	--	--	--	71 2.00	--	--	0.7	--	--	--
05N/06W-30D01 M 09/16/66 1130	--	--	817	--	--	--	--	--	--	--	62 1.75	--	--	--	--	--	--
05N/07W-08D03 M 11/14/65	--	--	874	--	--	--	--	--	--	--	109 3.07	--	--	--	--	--	--
05N/07W-20L03 M 11/14/65	--	--	1560	--	--	98 4.25	--	--	--	--	289 8.15	--	--	--	--	--	--
05N/07W-20L03 M 06/02/66 1415	--	7.7	1510	162 8.08	25 2.06	100 4.35	--	0.0	239 3.92	--	277 7.81	--	--	0.0	--	--	507 311
05N/07W-20L03 M 09/28/66 0645	--	--	1490	--	--	--	--	--	--	--	271 7.64	--	--	--	--	--	--
05N/07W-28E01 M 06/02/66 1345	--	--	658	--	--	60 2.61	--	--	--	--	41 1.16	--	--	--	--	--	--
05N/07W-34E02 M 11/14/65	--	--	891	--	--	--	--	--	--	--	67 1.89	--	--	--	--	--	--
05N/07W-34E02 M 06/02/66 1315	--	8.8	868	3.0 .15	3.8 .31	192 8.35	--	17 .57	364 5.97	--	66 1.86	--	--	0.1	--	--	23 0
05N/07W-34E02 M 09/28/66 0705	--	--	870	--	--	--	--	--	--	--	41 1.16	--	--	--	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
05N/07W-35K01	M	--	--	649	--	--	--	--	--	--	--	43	--	--	--	--	--	--
11/15/65												1.21						
05N/07W-35K01	M	--	--	654	--	--	--	--	--	--	--	44	--	--	--	--	--	--
06/02/66 1530												1.24						
05N/07W-35K01	M	--	--	681	--	--	--	--	--	--	--	52	--	--	--	--	--	--
09/28/66 0725												1.47						
NAPA VALLEY (2-2.01)																		
03N/03W-18G01	M	--	--	1080	--	--	105	--	--	--	--	142	10	--	0.2	--	--	--
04/21/66 0900							4.57					4.00	.16					
03N/03W-18G01	M	--	--	1100	--	--	--	--	--	--	--	142	--	--	--	--	--	--
09/20/66 1230												4.00						
03N/03W-18G02	M	--	8.2	1270	181	4.9	121	--	0.0	395	--	127	67	--	0.1	--	--	472
04/21/66 0915					9.03	.40	5.26			6.48		3.58	1.08					148
03N/03W-18G02	M	--	--	1350	--	--	--	--	--	--	--	154	--	--	--	--	--	--
09/20/66 1240												4.34						
04N/04W-02L01	M	--	--	806	--	--	--	--	--	--	--	110	--	--	0.2	--	--	--
04/20/66 1510												3.10						
04N/04W-02L01	M	--	--	809	--	--	--	--	--	--	--	98	--	--	--	--	--	--
09/20/66 0940												2.76						

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
04N/04W-05C01 M	--	7.5	284	9.4	5.2	46	--	0.0	87	--	26	20	--	0.0	--	--	45
04/20/66				.47	.43	2.00			1.43		.73	.32					0
1050																	
04N/04W-05C01 M	--	--	303	--	--	--	--	--	--	--	28	--	--	--	--	--	--
09/20/66											.79						
0830																	
04N/04W-05D02 M	--	--	761	--	--	--	--	--	--	--	105	--	--	--	--	--	--
04/20/66											2.96						
1030																	
04N/04W-05D02 M	--	--	778	--	--	--	--	--	--	--	100	--	--	--	--	--	--
09/19/66											2.82						
1320																	
04N/04W-07A01 M	--	--	814	--	--	--	--	--	--	--	191	--	--	0.0	--	--	--
04/20/66											5.39						
1010																	
04N/04W-07A01 M	--	--	833	--	--	--	--	--	--	--	189	--	--	--	--	--	--
09/19/66											5.33						
1340																	
04N/04W-12M01 M	--	--	838	--	--	--	--	--	--	--	124	--	--	--	--	--	--
04/20/66											3.50						
1525																	
04N/04W-12M01 M	--	--	869	--	--	--	--	--	--	--	109	--	--	--	--	--	--
09/20/66											3.07						
1000																	
04N/04W-13E01 M	--	8.2	1850	138	38	224	--	0.0	224	--	284	26	--	0.3	--	--	502
04/21/66				6.89	3.12	9.74			3.67		8.01	.42					319
1015																	
04N/04W-13E01 M	--	8.3	2410	174	40	198	--	0.0	266	--	401	--	--	0.2	--	--	598
04/28/66				8.68	3.29	8.61			4.36		11.31						380
1600																	

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE													MILLIGRAMS PER LITER	
					CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
04N/04W-13E01 M 09/20/66 1015		--	--	2460	--	--	--	--	--	--	--	490 13.82	--	--	--	--	--	--
04N/04W-14C02 M 04/21/66 1030		--	--	1590	--	--	--	--	--	--	--	347 9.79	--	--	--	--	--	--
04N/04W-14C02 M 09/20/66 1030		--	--	1630	--	--	--	--	--	--	--	349 9.84	--	--	--	--	--	--
05N/04W-09Q02 M 04/20/66 1450		--	--	519	--	--	--	--	--	--	--	48 1.35	--	--	--	--	--	--
05N/04W-09Q02 M 09/19/66 1300		--	--	509	--	--	--	--	--	--	--	45 1.27	--	--	--	--	--	--
05N/04W-11F03 M 04/20/66 1405		--	--	734	--	--	--	--	--	--	--	126 3.55	--	--	2.4	--	--	--
05N/04W-11F03 M 09/20/66 0915		--	--	712	--	--	--	--	--	--	--	117 3.30	--	--	--	--	--	--
05N/04W-14C01 M 04/20/66 1420		--	7.7	230	19 .95	6.7 .55	19 .83	--	0.0	102 1.67	--	18 .51	--	--	0.0	--	--	75 0
05N/04W-14C01 M 09/20/66 0925		--	--	226	--	--	--	--	--	--	--	18 .51	--	--	--	--	--	--
05N/04W-15E01 M 04/20/66 1440		--	--	410	--	--	--	--	--	--	--	36 1.02	--	--	0.0	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER CA	MG	NA	K	MILLIEQUIVALENT PER LITER CO3	HCO3	SO4	PERCENT REACTANCE VALUE CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
05N/04W-15E01 M	--	--	426	--	--	--	--	--	--	--	38	--	--	--	--	--	--
09/20/66											1.07						
0905																	
05N/04W-20R02 M	--	--	642	--	--	--	--	--	--	--	98	--	--	--	--	--	--
04/20/66											2.76						
1110																	
05N/04W-20R02 M	--	--	1150	--	--	--	--	--	--	--	225	--	--	--	--	--	--
09/20/66											6.35						
0815																	
05N/04W-21P02 M	--	8.6	2330	51	14	470	--	12	304	--	516	--	--	0.4	--	--	184
04/20/66				2.54	1.15	20.45		.40	4.99		14.55						0
1140																	
05N/04W-21P02 M	--	--	2310	--	--	--	--	--	--	--	422	--	--	--	--	--	--
09/20/66											11.90						
0800																	
05N/04W-22M01 M	--	--	631	--	--	--	--	--	--	--	40	--	--	--	--	--	--
04/20/66											1.13						
1155																	
05N/04W-22M01 M	--	--	587	--	--	--	--	--	--	--	35	--	--	--	--	--	--
09/20/66											.99						
0850																	
05N/04W-29H01 M	--	--	401	--	--	--	--	--	--	--	34	--	--	0.0	--	--	--
04/20/66											.96						
1120																	
05N/04W-29H01 M	--	--	413	--	--	--	--	--	--	--	34	--	--	--	--	--	--
09/20/66											.96						
0840																	
06N/04W-06P01 M	--	--	394	--	--	--	--	--	--	--	16	--	--	0.0	--	--	--
04/20/66											.45						
1220																	

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
06N/04W-06P01 M	--	--	388	--	--	--	--	--	--	--	13	--	--	--	--	--	--
09/19/66											.37						
1230																	
06N/04W-15Q01 M	--	7.9	271	19	5.0	34	--	0.0	118	--	5.9	--	--	0.0	--	--	68
04/15/66				.95	.41	1.48			1.94		.17						0
1325																	
06N/04W-15Q01 M	--	--	261	--	--	--	--	--	--	--	10	--	--	--	--	--	--
09/19/66											.28						
1005																	
07N/05W-05A06 M	--	7.8	439	86	4.0	16	--	0.0	192	--	6.4	--	--	0.3	--	--	231
04/15/66				4.29	.33	.70			3.15		.18						74
1255																	
09N/07W-25N01 M	--	8.1	884	20	1.4	172	--	0.0	194	--	162	--	--	9.5	--	--	56
04/15/66				1.00	.12	7.48			3.18		4.57						0
1150																	
09N/07W-25N01 M	--	--	975	--	--	--	--	--	--	--	196	--	--	--	--	--	--
09/19/66											5.53						
1040																	
SONOMA VALLEY (2-2.02)																	
04N/05W-14D02 M	--	--	992	--	--	186	--	--	--	--	120	--	--	0.1	--	--	--
11/17/65						8.09					3.38						
04N/05W-14D02 M	--	8.1	978	10	9.7	188	--	0.0	307	--	122	--	--	0.1	--	--	65
05/27/66				.50	.80	8.18			5.03		3.44						0
1135																	
04N/05W-14D02 M	--	--	1160	--	--	--	--	--	--	--	163	--	--	--	--	--	--
09/30/66											4.60						
0615																	

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB PH FLD	EC LAB EC FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
04N/05W-32B01 M 11/19/65	--	--	3940	--	--	--	--	--	--	--	950 26.79	22 .35	--	2.3	--	--	--
04N/05W-32B01 M 05/31/66 1135	--	--	3220	--	--	--	--	--	--	--	727 20.50	0.1	--	2.3	--	--	--
05N/05W-18D02 M 11/16/65	--	--	468	--	--	--	--	--	--	--	26 .73	14 .23	--	0.8	--	--	--
05N/05W-18D02 M 05/27/66 1305	--	7.6	544	28 1.40	24 1.97	43 1.87	--	0.0	173 2.84	--	37 1.04	55 .89	--	0.1	--	--	167 25
05N/05W-18D02 M 09/16/66 1310	--	--	369	--	--	--	--	--	--	--	17 .48	--	--	--	--	--	--
05N/05W-20R01 M 11/17/65	--	--	875	--	--	--	--	--	--	--	52 1.47	--	--	--	--	--	--
05N/05W-20R01 M 05/27/66 1225	--	--	824	--	--	186 8.09	--	--	--	--	46 1.30	--	--	4.0	--	--	--
05N/05W-20R01 M 09/16/66 1350	--	--	844	--	--	--	--	--	--	--	59 1.66	--	--	--	--	--	--
05N/06W-12F01 M 11/16/65	--	--	421	--	--	--	--	--	--	--	20 .56	--	--	0.8	--	--	--
05N/06W-12F01 M 05/27/66 1430	--	--	425	--	--	--	--	--	--	--	24 .68	--	--	0.6	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
05N/06W-12F01	M	--	--	453	--	--	--	--	--	--	--	21	--	--	--	--	--	--
09/30/66 0655												.59						
05N/06W-24K01	M	--	--	400	--	--	--	--	--	--	--	36	--	--	0.0	--	--	--
11/16/65												1.02						
05N/06W-25P01	M	--	--	565	--	--	--	--	--	--	--	12	--	--	1.3	--	--	--
05/27/66 1400												.34						
05N/06W-25P01	M	--	--	576	--	--	--	--	--	--	--	26	--	--	--	--	--	--
09/16/66 1500												.73						
06N/06W-23M02	M	--	--	542	--	--	67	--	--	--	--	88	0.2	--	1.5	--	--	--
11/15/65							2.91					2.48						
06N/06W-23M02	M	--	8.0	501	12	8.5	66	--	0.0	140	--	76	1.4	1.0	1.2	--	--	65
05/31/66 1005					.60	.70	2.87			2.30		2.14	.02					0
06N/06W-23M02	M	--	--	543	--	--	--	--	--	--	--	78	--	--	--	--	--	--
09/30/66 0735												2.20						
06N/06W-26E01	M	--	--	441	--	--	--	--	--	--	--	54	--	1.8	2.0	--	--	--
11/16/65												1.52						
06N/06W-26E01	M	--	--	425	--	--	--	--	--	--	--	53	--	1.3	1.9	--	--	--
05/31/66 1040												1.49						
06N/06W-26E01	M	--	--	434	--	--	--	--	--	--	--	53	--	--	--	--	--	--
09/30/66 0720												1.49						

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
SUISUN-FAIRFIELD VALLEY (2-3.00)																	
03N/01E-04B01 M 09/14/66 0900	--	--	1430	--	--	--	--	--	--	--	321 9.05	--	--	0.6	--	--	--
03N/01E-21D01 M 05/18/66 1430	--	--	1790	--	--	--	--	--	--	--	176 4.96	--	--	--	--	--	--
03N/01E-21D01 M 09/14/66 0930	--	--	1820	--	--	--	--	--	--	--	182 5.13	--	--	7.2	--	--	--
03N/01E-22F02 M 05/18/66 1455	--	--	1720	--	--	--	--	--	--	--	246 6.94	--	--	--	--	--	--
03N/01E-22F02 M 09/14/66 1000	--	8.7	1680	27 1.35	25 2.06	316 13.75	--	38 1.27	434 7.12	--	492 13.87	--	--	4.0	--	--	171 0
04N/01W-33A01 M 05/24/66	--	--	3730	--	--	--	--	--	--	--	853 24.05	--	--	--	--	--	--
04N/01W-33A01 M 09/14/66 0800	--	8.3	3680	63 3.14 9	51 4.19 12	650 28.28 79	3.1 .08	0.0	578 9.48 26	144 3.00 8	849 23.94 65	19 .31 1	--	13.0	--	2020 2075	369 0
04N/01E-08F01 M 05/18/66 1305	--	--	1010	--	--	--	--	--	--	--	158 4.46	--	--	--	--	--	--
04N/01E-08F01 M 09/14/66 0840	--	8.5	1010	48 2.40	30 2.47	129 5.61	--	10 .33	221 3.62	--	161 4.54	--	--	0.8	--	--	244 47

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
04N/02W-04D01	M	--	--	1440	--	--	--	--	--	--	--	178	--	--	--	--	--	--
05/16/66 1440												5.02						
04N/02W-04D01	M	--	--	1380	--	--	--	--	--	--	--	94	--	--	1.1	--	--	--
09/14/66 1330												2.65						
04N/02W-05Q02	M	--	--	367	--	--	--	--	--	--	--	38	--	--	--	--	--	--
05/16/66 1415												1.07						
04N/02W-05Q02	M	--	--	436	--	--	--	--	--	--	--	45	--	--	0.5	--	--	--
09/14/66 1340												1.27						
04N/02W-09H01	M	--	--	3570	--	--	--	--	--	--	--	952	--	--	--	--	--	--
05/16/66 1505												26.85						
04N/02W-09H01	M	--	--	3610	--	--	--	--	--	--	--	943	--	--	4.7	--	--	--
09/14/66 1240												26.59						
04N/02W-18M01	M	--	--	1140	--	--	--	--	--	--	--	104	--	--	--	--	--	--
05/16/66 1345												2.93						
04N/02W-18M01	M	--	--	1150	--	--	--	--	--	--	--	101	--	--	0.6	--	--	--
09/14/66 1430												2.85						
04N/03W-13G02	M	--	--	1070	--	--	--	--	--	--	--	198	--	--	--	--	--	--
05/16/66 1315												5.58						
04N/03W-13G02	M	--	8.5	1020	80	34	96	--	8.0	339	--	82	--	--	0.8	--	--	338
09/14/66 1355					3.99	2.79	4.18		.27	5.56		2.31						47

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
05N/01W-25R01	M	--	--	1540	--	--	--	--	--	--	--	357	--	--	--	--	--	--
05/18/66												10.07						
1245																		
05N/01W-25R01	M	--	8.5	1620	101	31	176	--	8.0	223	--	383	--	--	0.6	--	--	380
09/14/66					5.04	2.55	7.66		.27	3.66		10.80						184
1040																		
05N/01W-28P01	M	--	8.6	924	74	33	79	--	15	317	--	126	--	--	0.4	--	--	321
00/00/66					3.69	2.71	3.44		.50	5.20		3.55						36
05N/01W-28P01	M	--	--	811	--	--	--	--	--	--	--	262	--	--	--	--	--	--
05/18/66												7.39						
0850																		
05N/02W-21P03	M	--	--	982	--	--	--	--	--	--	--	134	--	--	--	--	--	--
05/17/66												3.78						
1600																		
05N/02W-21P03	M	--	--	975	--	--	--	--	--	--	--	61	--	--	1.1	--	--	--
09/14/66												1.72						
1205																		
05N/02W-34N01	M	--	--	1800	--	--	--	--	--	--	--	286	--	--	--	--	--	--
05/16/66												8.07						
1520																		
05N/02W-34N01	M	--	--	1720	--	--	--	--	--	--	--	102	--	--	1.9	--	--	--
09/14/66												2.88						
1315																		
05N/02W-34P04	M	--	--	1100	--	--	--	--	--	--	--	73	--	--	--	--	--	--
05/16/66												2.06						
1540																		
05N/02W-34P04	M	--	--	1080	--	--	--	--	--	--	--	40	--	--	1.3	--	--	--
09/14/66												1.13						
1250																		

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
PITTSBURG PLAIN (2-4.00)																		
02N/01E-07R02	M	--	--	3580	--	--	--	--	--	--	--	736	--	--	--	--	--	--
09/15/66												20.76						
0815																		
02N/02E-20A01	M	--	--	1500	--	--	--	--	--	--	--	225	32	--	--	--	--	--
09/15/66												6.35	.52					
0900																		
CLAYTON VALLEY (2-5.00)																		
01N/01W-04A01	M	--	8.6	613	50	37	28	--	12	252	--	26	--	--	0.4	--	--	279
09/15/66					2.50	3.04	1.22		.40	4.13		.73						53
1050																		
02N/01W-30J01	M	--	8.7	972	82	55	56	--	19	366	--	55	--	--	0.4	--	--	433
09/15/66					4.09	4.52	2.44		.63	6.00		1.55						102
0920																		
02N/01W-30K01	M	--	--	1380	--	--	--	--	--	--	--	97	--	--	1.1	--	--	--
09/15/66												2.74						
0935																		
02N/01W-31D01	M	--	--	1070	--	--	--	--	--	--	--	107	36	--	--	--	--	--
09/15/66												3.02	.58					
0950																		
02N/02W-13P01	M	--	7.7	852	37	28	96	--	0.0	229	--	118	--	--	0.2	--	--	207
09/15/66					1.85	2.30	4.18			3.76		3.33						19
0745																		
02N/02W-26B01	M	--	--	961	--	--	--	--	--	--	--	136	--	--	0.9	--	--	--
09/16/66												3.84						
0810																		

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCM
02N/02W-36J01 M	--	--	1200	--	--	--	--	--	--	--	141	26	--	--	--	--	--
09/15/66											3.98	.42					
1010																	
YGNACIO VALLEY (2-6.00)																	
01N/01W-07K01 M	--	8.2	2210	101	69	298	--	0.0	368	--	199	--	--	0.9	--	--	538
09/15/66				5.04	5.67	12.96			6.04		5.61						236
1110																	
01N/01W-29G01 M	--	8.2	2020	102	66	234	--	0.0	448	--	274	--	--	1.0	--	--	527
09/15/66				5.09	5.43	10.18			7.35		7.73						160
1215																	
01N/02W-11N01 M	--	8.6	1210	87	34	138	--	21	458	--	140	--	--	1.2	--	--	357
09/15/66				4.34	2.79	6.00		.70	7.51		3.95						0
1400																	
01N/02W-13P01 M	--	--	1110	--	--	--	--	--	--	--	106	30	--	1.2	--	--	--
09/15/66											2.99	.48					
1235																	
02N/02W-36E01 M	--	--	3110	--	--	--	--	--	--	--	456	167	--	1.5	--	--	--
09/16/66											12.86	2.69					
0740																	
SANTA CLARA VALLEY - EAST BAY (2-9.01)																	
01S/04W-04A01 M	--	8.1	1370	84	68	100	0.9	0.0	373	96	195	26	--	0.1	--	850	492
06/06/66				4.19	5.59	4.35	.02		6.12	2.00	5.50	.42				753	186
0930				30	40	31			44	14	39	3					
01S/04W-34F02 M	--	8.0	994	34	29	125	2.8	0.0	265	28	160	10	--	0.2	--	555	206
06/06/66				1.70	2.38	5.44	.07		4.35	.58	4.51	.16				519	0
1000				18	25	57	1		45	6	47	2					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER / DATE / TIME	LAB / SAMPLER	TEMP	PH LAB	PH FLD	EC LAB	EC FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
02S/03W-08G01 M		--	8.1		1970		70	102	157	3.1	0.0	235	42	478	.25	--	0.3	--	1380	594
06/09/66							3.49	8.38	6.83	.08		3.85	.87	13.48	.40					
1430							19	45	36			21	5	72	2				993	402
02S/03W-21J01 M		--	7.9		5070		448	175	295	8.1	0.0	246	146	1520	12	--	0.4	--	3950	840
06/06/66							22.36	14.39	12.83	.21		4.03	3.04	42.86	.19					
1345							45	29	26			8	6	86					2725	639
02S/03W-28G01 M		--	8.1		1220		93	32	103	3.5	0.0	264	45	230	0.3	--	0.4	--	765	367
06/06/66							4.64	2.63	4.48	.09		4.33	.94	6.49						
1230							39	22	34	1		37	8	55					637	151
02S/03W-30A M		--	8.4		1450		118	39	108	4.5	9.0	209	35	329	0.3	--	0.3	--	1040	458
06/06/66							5.89	3.21	4.70	.12	.30	3.43	.73	9.28						
1215							42	23	34	1	2	25	5	68					746	272
02S/03W-30D02 M		--	7.9		3860		321	97	262	14	0.0	240	131	1040	0.6	--	0.3	--	3050	200
06/06/66							16.02	7.97	11.40	.36		3.94	2.72	29.33	.01					
1205							45	22	32	1		11	8	81					1984	3
02S/03W-33H03 M		--	7.9		628		35	17	81	4.1	0.0	317	34	25	1.0	--	0.5	--	363	157
06/06/66							1.75	1.40	3.52	.10		5.20	.71	.71	.02					
1400							26	21	52	1		78	11	11					353	0
02S/03W-34A02 M		--	7.1		808		72	36	46	0.6	0.0	307	69	37	49	--	0.3	--	503	327
06/06/66							3.59	2.96	2.00	.02		5.03	1.44	1.04	.79					
1415							42	35	23			61	17	13	10				460	76
02S/03W-34D03 M		--	8.2		585		41	19	61	1.5	0.0	301	24	25	1.5	--	0.4	--	310	179
06/09/66							2.05	1.58	2.65	.04		4.94	.50	.71	.02					
0130							33	25	42	1		80	8	12					321	0
02S/04W-03E01 M		--	8.3		740		36	17	108	2.1	0.0	288	34	87	0.7	--	0.3	--	431	160
06/06/66							1.80	1.40	4.61	.05		4.72	.71	2.45	.01					
1015							23	18	59	1		60	9	31					424	0
02S/04W-03F01 M		--	8.2		986		48	26	112	2.2	0.0	237	22	180	1.2	--	0.5	--	530	225
06/06/66							2.40	2.14	4.87	.06		3.89	.46	5.08	.02					
1030							25	23	51	1		41	5	54					508	31

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER / DATE / TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE												MILLIGRAMS PER LITER	
					CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
02S/04W-12R01 M		--	8.1	396	23	14	38	2.2	0.0	165	8.2	37	0.5	--	0.1	--	213	114
06/06/66					1.15	1.15	1.65	.06		2.71	.17	1.04	.01				204	0
1100					29	29	41	1		69	4	26						
02S/04W-25A01 M		--	8.5	829	46	14	112	2.8	--	280	45	92	0.3	--	0.4	--	472	171
06/06/66					2.30	1.15	4.87	.07		4.59	.94	2.59					450	0
1200					27	14	58	1		57	12	32						
03S/02W-07J01 M		--	8.2	1090	108	38	74	2.9	0.0	416	93	71	52	--	0.3	--	647	425
06/06/66					5.39	3.12	3.22	.07		6.82	1.93	2.00	.84				643	84
1500					46	26	27	1		59	17	17	7					
03S/02W-19R04 M		--	8.5	1200	133	39	79	1.3	15	386	100	109	55	--	0.2	--	741	478
06/09/66					6.64	3.21	3.44	.03	.50	6.33	2.08	3.07	.89				721	137
1030					50	24	26		4	49	16	24	7					
03S/02W-30R14 M		--	8.1	1280	132	41	91	1.0	0.0	500	80	111	43	--	0.3	--	732	498
06/09/66					6.59	3.37	3.96	.03		8.20	1.66	3.13	.69				744	88
1230					47	24	28			60	12	23	5					
03S/02W-32D02 M		--	7.7	809	36	7.3	129	2.5	0.0	273	53	87	0.5	--	0.6	--	457	120
06/09/66					1.80	.60	5.61	.06		4.48	1.10	2.45	.01				450	0
1300					22	7	70	1		56	14	30						
03S/03W-01G03 M		--	8.0	1050	48	19	158	2.4	0.0	368	60	124	0.5	--	0.7	--	592	200
06/06/66					2.40	1.56	6.87	.06		6.04	1.25	3.50	.01				593	0
1430					22	14	63	1		56	12	32						
03S/03W-11Q01 M		--	8.2	1000	34	16	154	3.4	0.0	292	38	153	0.3	--	0.6	--	544	150
06/08/66					1.70	1.32	6.87	.09		4.79	.75	4.31					544	0
1000					17	13	69	1		49	8	44						
03S/03W-13B02 M		--	8.3	1770	113	58	221	1.5	0.0	691	179	136	58	--	1.4	--	1140	522
06/09/66					5.64	4.77	9.61	.04		11.33	3.72	3.84	.93				1106	0
1015					28	24	48			57	19	19	5					
03S/03W-24Q02 M		--	7.5	2460	183	102	178	1.1	0.0	461	156	383	223	--	0.7	--	1470	876
06/09/66					9.13	8.38	7.74	.03		7.56	3.24	10.80	3.59				1453	498
1220					36	33	31			30	13	43	14					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
04S/01W-07P02 M 04/26/66 1000		--	--	978	--	--	--	--	--	--	--	71 2.00	--	--	--	--	--	--
04S/01W-07P02 M 09/26/66 1025		--	--	934	--	--	--	--	--	--	--	66 1.86	--	--	--	--	--	--
04S/01W-07R01 M 04/26/66 0945		--	--	1160	--	--	--	--	--	--	--	112 3.16	--	--	--	--	--	--
04S/01W-07R01 M 10/02/66		--	--	1080	--	--	--	--	--	--	--	109 3.07	70 1.13	--	--	--	--	--
04S/01W-07R05 M 09/19/66 1445		--	--	785	--	--	--	--	--	--	--	52 1.47	23 .37	--	--	--	--	--
04S/01W-17E02 M 05/04/66 1430		--	--	2110	--	--	--	--	--	--	--	447 12.61	--	--	--	--	--	--
04S/01W-17E02 M 09/20/66 0900		--	7.8	1670	163 8.13 45	77 6.33 35	82 3.57 20	2.6 .07	0.0	276 4.53 27	52 1.08 6	395 11.14 65	18 .29 2	--	0.5	--	1060 925	724 498
04S/01W-18C02 M 04/26/66 1120		--	--	1140	--	--	--	--	--	--	--	112 3.16	--	--	--	--	--	--
04S/01W-18C02 M 09/19/66 1330		--	8.3	1170	107 5.34 44	51 4.19 35	53 2.52 21	2.0 .05	0.0	368 6.04 49	87 1.81 15	134 3.78 30	49 .79 6	--	0.3	--	661 669	476 174
04S/01W-18G01 M 04/26/66 1010		--	--	1560	--	--	--	--	--	--	--	235 6.63	--	--	--	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER / DATE / TIME	LAB SAMPLER	TEMP	PH LAB	PH FLD	EC LAB	EC FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
04S/01W-18G01 M		--		--	1480			--	--	--	--	--	--	--	219	--	--	--	--	--	--
09/21/66															6.18						
1000																					
04S/01W-18H03 M		--		--	2920			--	--	--	--	--	--	--	743	--	--	--	--	--	--
04/26/66															20.95						
0930																					
04S/01W-18H03 M		--		--	2680			--	--	--	--	--	--	--	703	--	--	--	--	--	--
09/21/66															19.82						
04S/01W-18M07 M		--		--	1140			--	--	--	--	--	--	--	227	--	--	--	--	--	--
04/26/66															6.40						
0945																					
04S/01W-18M07 M		--		8.0	1910			171	77	65	3.0	0.0	193	30	468	14	--	0.4	--	1080	743
09/20/66								8.53	6.33	2.96	.08		3.17	.62	13.20	.23				926	585
0900								48	35	17			18	4	77	1					
04S/01W-20D02 M		--		--	730			--	--	--	--	--	--	--	86	--	--	--	--	--	--
04/26/66															2.43						
1620																					
04S/01W-20D02 M		--		--	915			--	--	--	--	--	--	--	137	--	--	--	--	--	--
09/19/66															3.86						
1600																					
04S/01W-20E01 M		--		--	913			--	--	--	--	--	--	--	153	--	--	--	--	--	--
04/26/66															4.31						
04S/01W-20E01 M		--		--	991			--	--	--	--	--	--	--	182	--	--	--	--	--	--
09/20/66															5.13						
1100																					
04S/01W-20H02 M		--		--	733			--	--	--	--	--	--	--	65	--	--	--	--	--	--
04/26/66															1.83						
1330																					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER / DATE / TIME	LAB / SAMPLER	TEMP	PH LAB	PH FLD	EC LAB	EC FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE										MILLIGRAMS PER LITER				
							CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
04S/01W-21F02	M	--	7.6		602		45	19	47	2.3	0.0	163	47	74	2.6	--	0.3	--	335	189
12/07/65							2.25	1.56	2.04	.06		2.67	.98	2.09	.04				317	56
0930							38	26	35	1		46	17	36	1					
04S/01W-21F02	M	--	7.5		654		46	20	49	2.5	0.0	164	54	82	4.6	--	0.4	--	351	196
03/09/66							2.30	1.64	2.13	.06		2.69	1.12	2.31	.07				339	62
							38	27	35	1		43	18	37	1					
04S/01W-21F02	M	--	8.5		655		49	22	51	2.8	8.0	177	57	92	5.3	--	0.4	--	411	212
06/03/66							2.45	1.81	2.22	.07	.27	2.90	1.19	2.59	.09				374	54
0830							37	28	34	1	4	41	17	37	1					
04S/01W-21F02	M	--	8.4		631		44	18	43	1.8	2.0	148	38	89	2.4	--	0.4	--	361	186
09/13/66							2.20	1.48	1.87	.05	.07	2.43	.79	2.51	.04				311	61
0830							39	26	33	1	1	42	14	43	1					
04S/01W-21K03	M	--	--		613		--	--	--	--	--	--	--	36	--	--	--	--	--	--
04/26/66														1.02						
1320																				
04S/01W-21K03	M	--	--		655		--	--	--	--	--	--	--	102	--	--	--	--	--	--
09/19/66														2.88						
1050																				
04S/01W-21P06	M	--	8.0		661		59	22	45	1.9	0.0	233	55	59	3.9	--	0.4	--	367	237
12/07/65							2.94	1.81	1.95	.05		3.82	1.14	1.66	.06				360	46
1000							43	27	29	1		57	17	25	1					
04S/01W-21P06	M	--	7.6		687		59	24	46	2.0	0.0	266	65	37	6.0	--	0.5	--	395	247
03/09/66							2.94	1.97	2.00	.05		4.36	1.35	1.04	.10				370	29
0940							42	28	29	1		64	20	15	1					
04S/01W-21P06	M	--	8.4		717		62	25	54	2.3	8.0	246	72	60	6.3	--	0.5	--	407	259
06/03/66							3.09	2.06	2.35	.06	.27	4.03	1.50	1.69	.10				411	44
0850							41	27	31	1	4	53	20	22	1					
04S/01W-21P06	M	--	8.5		712		60	25	42	1.4	10	234	58	58	4.6	--	0.6	--	402	252
09/13/66							2.99	2.06	1.83	.04	.33	3.84	1.21	1.64	.07				374	44
0900							43	30	26	1	5	54	17	23	1					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
04S/01W-21R02 M	--	--	551	--	--	--	--	--	--	--	28	--	--	--	--	--	--
04/26/66											.79						
1135																	
04S/01W-21R04 M	--	--	716	--	--	--	--	--	--	--	43	--	--	--	--	--	--
04/26/66											1.21						
1145																	
04S/01W-22M02 M	--	--	1150	--	--	--	--	--	--	--	70	--	--	--	--	--	--
04/27/66											1.97						
1450																	
04S/01W-22M02 M	--	8.2	862	52	17	108	5.0	0.0	349	63	62	2.4	--	1.6	--	487	198
09/29/66				2.59	1.40	4.70	.13		5.72	1.31	1.75	.04				482	0
1000				29	16	53	1		65	15	20						
04S/01W-28B02 M	--	--	837	--	--	--	--	--	--	--	50	--	--	--	--	--	--
04/26/66											1.41						
1405																	
04S/01W-28B02 M	--	8.1	768	61	27	62	1.9	0.0	323	74	42	8.1	--	1.0	--	438	263
09/26/66				3.04	2.22	2.70	.05		5.30	1.54	1.18	.13				435	0
1135				38	28	34	1		65	19	14	2					
04S/01W-28C01 M	--	--	745	--	--	--	--	--	--	--	65	--	--	--	--	--	--
04/26/66											1.83						
1359																	
04S/01W-28C01 M	--	--	693	--	--	--	--	--	--	--	76	--	--	--	--	--	--
09/20/66											2.14						
0855																	
04S/01W-28C14 M	--	--	654	--	--	--	--	--	--	--	38	--	--	--	--	--	--
04/26/66											1.07						
1355																	
04S/01W-28C14 M	--	8.2	754	79	24	42	1.9	0.0	300	63	56	4.8	--	0.5	--	429	297
09/20/66				3.94	1.97	1.83	.05		4.92	1.31	1.58	.08				418	51
0845				51	25	23	1		62	17	20	1					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
04S/01W-28D04 M		--	--	815	--	--	--	--	--	--	--	85	--	--	--	--	--	--
04/26/66												2.40						
1415																		
04S/01W-28D04 M		--	8.2	811	76	33	43	2.1	0.0	281	66	77	1.4	--	0.7	--	458	326
09/19/66					3.79	2.71	1.87	.05		4.61	1.37	2.17	.02				437	96
1330					45	32	22	1		56	17	27						
04S/01W-28D09 M		--	--	726	--	--	--	--	--	--	--	64	--	--	--	--	--	--
04/26/66												1.80						
1335																		
04S/01W-28D09 M		--	--	732	--	--	--	--	--	--	--	75	--	--	--	--	--	--
09/20/66												2.12						
0950																		
04S/01W-28F05 M		--	--	581	--	--	--	--	--	--	--	27	--	--	--	--	--	--
04/26/66												.76						
1420																		
04S/01W-28L01 M		--	--	1890	--	--	--	--	--	--	--	333	--	--	--	--	--	--
04/27/66												9.39						
1645																		
04S/01W-28L01 M		--	--	2340	--	--	--	--	--	--	--	417	44	--	--	--	--	--
10/04/66												11.76	.71					
04S/01W-29J08 M		--	7.9	3040	253	124	170	4.1	0.0	455	89	732	22	--	1.0	--	1730	1140
00/00/00					12.62	10.19	7.40	.10		7.46	1.85	20.64	.35				1618	768
					42	34	24			25	6	68	1					
04S/01W-29J08 M		--	--	2640	--	--	--	--	--	--	--	518	--	--	--	--	--	--
04/26/66												14.55						
1435																		
04S/01W-29L12 M		--	--	2640	--	--	--	--	--	--	--	703	--	--	--	--	--	--
05/03/66												19.82						
1620																		

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
04S/01W-29L12 M	--	8.0	2940	316	110	74	3.4	0.0	246	21	822	6.4	--	0.5	--	1630	1240
09/29/66				15.77	9.04	3.22	.09		4.03	.44	23.18	.10				1474	1039
1100				56	32	11			15	2	84						
04S/01W-30E03 M	--	--	926	--	--	--	--	--	--	--	147	--	--	--	--	--	--
04/26/66											4.15						
1605																	
04S/01W-30N03 M	--	--	1290	--	--	--	--	--	--	--	282	--	--	--	--	--	--
04/26/66											7.95						
1545																	
04S/01W-30N03 M	--	--	1280	--	--	--	--	--	--	--	269	--	--	--	--	--	--
09/20/66											7.59						
1545																	
04S/01W-31A02 M	--	--	1930	--	--	--	--	--	--	--	451	--	--	--	--	--	--
04/26/66											12.72						
1530																	
04S/01W-31A02 M	--	--	2660	--	--	--	--	--	--	--	726	--	--	--	--	--	--
09/20/66											20.47						
1515																	
04S/01W-31B03 M	--	--	1310	--	--	--	--	--	--	--	275	--	--	--	--	--	--
05/04/66											7.76						
1100																	
04S/01W-31B03 M	--	8.1	1520	150	39	62	3.0	0.0	219	47	329	2.4	--	0.4	--	850	536
09/29/66				7.49	3.21	2.70	.08		3.59	.98	9.28	.04				740	357
0330				56	24	20	1		26	7	67						
04S/01W-33A01 M	--	--	1230	--	--	--	--	--	--	--	87	--	--	--	--	--	--
04/27/66											2.45						
1340																	
04S/01W-33A01 M	--	7.9	1160	98	46	78	1.9	0.0	424	118	76	37	--	0.7	--	658	436
09/28/66				4.89	3.78	3.39	.05		6.95	2.45	2.14	.60				663	89
				40	31	28			57	20	18	5					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB PH FLD	EC LAB EC FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
04S/01W-33E01 M	--	--	4750	--	--	--	--	--	--	--	1310	--	--	--	--	--	--
04/26/66											36.94						
1520																	
04S/01W-33E01 M	--	--	4780	--	--	--	--	--	--	--	1440	--	--	--	--	--	--
09/21/66											40.61						
04S/01W-34Q04 M	--	8.4	1220	120	42	82	1.9	12	475	31	133	14	--	0.2	--	692	471
09/20/66				5.99	3.45	3.57	.05	.40	7.79	.64	3.75	.23				669	62
1610				46	26	27		3	61	5	29	2					
04S/01W-34R02 M	--	--	710	--	--	--	--	--	--	--	38	--	--	--	--	--	--
04/26/66											1.07						
1500																	
04S/01W-35P03 M	--	--	734	--	--	--	--	--	--	--	40	--	--	--	--	--	--
04/26/66											1.13						
1457																	
04S/02W-03R01 M	--	--	603	--	--	--	--	--	--	--	20	--	--	--	--	--	--
04/26/66											.56						
1100																	
04S/02W-03R01 M	--	8.3	600	38	11	82	1.6	0.0	304	45	20	0.6	--	0.4	--	354	140
09/20/66				1.90	.90	3.57	.04		4.99	.94	.56	.01				348	0
1020				30	14	56	1		77	14	9						
04S/02W-09Q02 M	--	7.7	5110	397	124	448	7.6	0.0	200	145	1520	2.4	--	0.3	--	3740	1500
06/09/66				19.81	10.19	19.49	.19		3.28	3.02	42.86	.04				2742	1337
1320				40	21	39			7	6	87						
04S/02W-10C01 M	--	8.2	945	66	19	95	2.1	0.0	218	46	162	2.2	--	0.4	--	509	242
10/03/66				3.29	1.56	4.13	.05		3.58	.96	4.57	.04				500	63
1530				36	17	46	1		39	10	50						
04S/02W-10L02 M	--	--	632	--	--	--	--	--	--	--	38	--	--	--	--	--	--
05/04/66											1.07						
1335																	

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
04S/02W-10M01 M	--	--	592	--	--	--	--	--	--	--	30	--	--	--	--	--	--
04/26/66											.85						
1050																	
04S/02W-10M01 M	--	--	627	--	--	--	--	--	--	--	38	--	--	--	--	--	--
09/20/66											1.07						
0330																	
04S/02W-10N06 M	--	--	3440	--	--	--	--	--	--	--	977	--	--	--	--	--	--
04/27/66											27.55						
1545																	
04S/02W-10N06 M	--	7.9	3640	259	69	316	5.5	0.0	125	41	1050	0.4	--	0.6	--	2240	930
09/22/66				12.92	5.67	13.75	.14		2.05	.85	29.61	.01				1803	828
0200				40	17	42			6	3	91						
04S/02W-10Q02 M	--	--	2960	--	--	--	--	--	--	--	548	--	--	--	--	--	--
04/26/66											15.45						
1030																	
04S/02W-10Q02 M	--	7.8	3020	294	145	171	4.2	0.0	522	361	644	9.6	--	0.5	--	1910	1330
09/23/66				14.67	11.92	7.44	.11		8.56	7.51	18.16	.15				1885	903
1130				43	35	22			25	22	53						
04S/02W-10Q03 M	--	--	2310	--	--	--	--	--	--	--	344	--	--	--	--	--	--
04/26/66											9.70						
1040																	
04S/02W-10Q03 M	--	--	2460	--	--	--	--	--	--	--	380	--	--	--	--	--	--
09/20/66											10.72						
0345																	
04S/02W-11A02 M	--	--	773	--	--	--	--	--	--	--	72	--	--	--	--	--	--
04/26/66											2.03						
1125																	
04S/02W-11A02 M	--	--	806	--	--	--	--	--	--	--	40	15	--	--	--	--	--
09/20/66											1.13	.24					
1050																	

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
04S/02W-11G01 M 04/26/66 1140	--	--	848	--	--	--	--	--	--	--	82 2.31	--	--	--	--	--	--
04S/02W-11G01 M 09/23/66	--	--	1440	--	--	--	--	--	--	--	105 2.96	32 .52	--	--	--	--	--
04S/02W-11Q10 M 04/26/66 1135	--	--	675	--	--	--	--	--	--	--	75 2.12	--	--	--	--	--	--
04S/02W-11Q10 M 09/23/66 0900	--	7.9	687	75 3.74 54	18 1.48 21	38 1.65 24	2.1 .05 1	0.0	272 4.46 65	50 1.04 15	40 1.13 17	13 .21 3	--	0.3	--	384 370	261 38
04S/02W-11R12 M 04/26/66 1430	--	--	1360	--	--	--	--	--	--	--	108 3.05	--	--	--	--	--	--
04S/02W-11R12 M 09/23/66 0920	--	--	1290	--	--	--	--	--	--	--	107 3.02	57 .92	--	--	--	--	--
04S/02W-12C01 M 04/26/66 1115	--	--	650	--	--	--	--	--	--	--	85 2.40	--	--	--	--	--	--
04S/02W-12N04 M 04/26/66 1445	--	--	1040	--	--	--	--	--	--	--	73 2.06	--	--	--	--	--	--
04S/02W-12N04 M 09/23/66 1430	--	--	1010	--	--	--	--	--	--	--	72 2.03	50 .81	--	--	--	--	--
04S/02W-12P02 M 04/27/66 1520	--	--	933	--	--	--	--	--	--	--	102 2.88	--	--	--	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
04S/02W-12P02 M 09/30/66	--	--	937	--	--	--	--	--	--	--	66 1.86	40 .64	--	--	--	--	--
04S/02W-13C02 M 04/26/66 1455	--	--	1660	--	--	--	--	--	--	--	265 7.47	--	--	--	--	--	-
04S/02W-13C02 M 09/20/66 1515	--	--	1910	--	--	--	--	--	--	--	321 9.05	--	--	--	--	--	--
04S/02W-13E02 M 09/22/66 0900	--	--	3140	--	--	--	--	--	--	--	756 21.32	--	--	--	--	--	--
04S/02W-14B03 M 05/04/66 1400	--	--	2020	--	--	--	--	--	--	--	300 8.46	--	--	--	--	--	--
04S/02W-14B03 M 09/28/66 1400	--	--	2000	--	--	--	--	--	--	--	361 10.18	22 .35	--	--	--	--	--
04S/02W-14E01 M 04/26/66 1330	--	--	5140	--	--	--	--	--	--	--	1260 35.53	--	--	--	--	--	--
04S/02W-14E01 M 09/22/66 1115	--	7.5	5350	483 24.10 44	237 19.48 35	260 11.31 21	9.0 .23	0.0	358 5.87 11	481 10.00 18	1340 37.79 69	65 1.05 2	--	0.6	--	4530 3051	2180 1888
04S/02W-14J01 M 04/26/66 1510	--	--	1030	--	--	--	--	--	--	--	128 3.61	--	--	--	--	--	--
04S/02W-14J01 M 09/22/66 1030	--	8.1	1180	127 6.34 48	59 4.85 37	46 2.00 15	2.6 .07 1	0.0	312 5.12 43	62 1.29 11	190 5.36 45	13 .21 2	--	0.4	--	882 653	509 253

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
04S/02W-15C01	M	--	--	637	--	--	--	--	--	--	--	67	--	--	--	--	--	--
04/26/66												1.89						
1400																		
04S/02W-15C01	M	--	8.1	603	57	19	40	2.1	0.0	252	44	33	12	--	0.3	--	327	221
09/21/66					2.84	1.56	1.74	.05		4.13	.92	.93	.19				331	15
1000					46	25	28	1		67	15	15	3					
04S/02W-15L04	M	--	--	848	--	--	--	--	--	--	--	115	--	--	--	--	--	--
04/26/66												3.24						
1445																		
04S/02W-15L04	M	--	8.2	940	104	30	41	2.9	0.0	295	58	121	14	--	0.4	--	533	384
09/21/66					5.19	2.47	1.78	.07		4.84	1.21	3.41	.23				516	142
0300					55	26	19	1		50	12	35	2					
04S/02W-22P02	M	--	--	565	--	--	--	--	--	--	--	59	--	--	--	--	--	--
04/27/66												1.66						
1145																		
04S/02W-22P02	M	--	8.6	577	29	5.7	87	1.4	13	236	42	31	0.8	--	0.4	--	342	96
09/22/66					1.45	.47	3.78	.04	.43	3.87	.87	.87	.01				326	0
1100					25	8	66	1	7	64	14	14						
04S/02W-23F02	M	--	--	768	--	--	--	--	--	--	--	110	--	--	--	--	--	--
04/26/66												3.10						
1615																		
04S/02W-23F02	M	--	8.0	1120	126	37	40	2.5	0.0	257	60	190	4.0	--	0.4	--	651	469
09/21/66					6.29	3.04	1.74	.06		4.21	1.25	5.36	.06				586	259
1430					57	27	16	1		39	11	49	1					
04S/02W-24D04	M	--	--	614	--	--	--	--	--	--	--	34	--	--	--	--	--	--
04/27/66												.96						
1115																		
04S/02W-24D04	M	--	8.5	649	72	20	33	2.4	10	258	52	37	7.6	--	0.4	--	373	261
09/21/66					3.59	1.64	1.44	.06	.33	4.23	1.08	1.04	.12				361	33
1130					53	24	21	1	5	62	16	15	2					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
04S/02W-24F06	M	--	--	4430	--	--	--	--	--	--	--	1300	--	--	--	--	--	--
04/28/66												36.66						
0845																		
04S/02W-24J01	M	--	--	1460	--	--	--	--	--	--	--	305	--	--	--	--	--	--
04/27/66												8.60						
1100																		
04S/02W-24J01	M	--	8.0	1450	155	54	47	3.0	0.0	263	90	276	3.2	--	0.5	--	826	610
09/26/66					7.73	4.44	2.04	.08		4.31	1.87	7.78	.05				758	395
1150					54	31	14	1		31	13	56						
04S/02W-24L06	M	--	--	693	--	--	--	--	--	--	--	67	--	--	--	--	--	--
04/27/66												1.89						
1130																		
04S/02W-24L06	M	--	8.5	796	87	24	35	2.4	10	220	59	105	5.1	--	0.4	--	439	316
09/21/66					4.34	1.97	1.52	.06	.33	3.61	1.23	2.96	.08				436	119
1140					55	25	19	1	4	44	15	36	1					
04S/02W-26A01	M	--	--	1380	--	--	--	--	--	--	--	276	--	--	--	--	--	--
04/26/66												7.78						
1545																		
04S/02W-26A01	M	--	7.9	1580	153	47	79	2.7	0.0	249	53	342	5.6	--	0.3	--	875	574
09/21/66					7.63	3.86	3.44	.07		4.08	1.10	9.64	.09				805	370
1500					51	26	23			27	7	65	1					
04S/02W-27L01	M	--	--	594	--	--	--	--	--	--	--	26	--	--	--	--	--	--
04/26/66												.73						
1630																		
04S/02W-35F01	M	--	--	991	--	--	--	--	--	--	--	153	--	--	--	--	--	--
04/27/66												4.31						
0910																		
04S/02W-35F01	M	--	--	1160	--	--	--	--	--	--	--	222	--	--	--	--	--	--
09/20/66												6.26						
0425																		

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
05S/01W-03M01 M 04/26/66 1450	--	--	1120	--	--	--	--	--	--	--	157 4.43	--	--	--	--	--	--
05S/01W-04Q01 M 04/27/66 1110	--	--	584	--	--	--	--	--	--	--	21 .59	--	--	--	--	--	--
05S/01W-06G01 M 04/27/66 0928	--	--	2970	--	--	--	--	--	--	--	811 22.87	--	--	--	--	--	--
05S/01W-08A03 M 04/27/66 1102	--	--	624	--	--	--	--	--	--	--	17 .48	--	--	--	--	--	--
05S/01W-08A03 M 09/22/66 1130	--	8.6	586	14 .70 12	2.2 .18 3	116 5.05 85	0.9 .02	11 .37 6	278 4.56 74	35 .73 12	18 .51 8	0.1	--	0.5	--	361 334	44 0
05S/01W-09J01 M 04/27/66 1015	--	--	3400	--	--	--	--	--	--	--	542 15.28	--	--	--	--	--	--
05S/01W-09J01 M 09/22/66 1545	--	--	2250	--	--	--	--	--	--	--	490 13.82	--	--	--	--	--	--
05S/01W-09K01 M 04/27/66 1025	--	--	1300	--	--	--	--	--	--	--	164 4.62	--	--	--	--	--	--
05S/01W-09K01 M 09/22/66 1530	--	8.2	1550	119 5.94 40	52 4.27 29	102 4.44 30	8.5 .22 1	0.0	280 4.59 32	22 .46 3	334 9.42 65	2.5 .04	--	0.4	--	922 778	499 270
05S/01W-09M01 M 04/27/66 0940	--	--	1880	--	--	--	--	--	--	--	451 12.72	--	--	--	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
05S/01W-09M01 M	--	8.0	2070	166	68	124	7.4	0.0	271	38	488	1.9	--	0.2	--	1120	693
09/22/66				8.28	5.59	5.39	.19		4.44	.79	13.76	.03				1026	471
0410				43	29	28	1		23	4	72						
05S/01W-15C01 M	--	--	906	--	--	--	--	--	--	--	61	--	--	--	--	--	--
04/27/66											1.72						
1035																	
05S/01W-17A01 M	--	--	665	--	--	--	--	--	--	--	27	--	--	--	--	--	--
04/27/66											.76						
1005																	
05S/02W-01K01 M	--	--	881	--	--	--	--	--	--	--	91	--	--	--	--	--	--
04/27/66											2.57						
1135																	
05S/02W-01N01 M	--	--	436	--	--	--	--	--	--	--	14	--	--	--	--	--	--
04/27/66											.39						
0855																	
05S/02W-01N01 M	--	8.3	443	5.2	2.2	92	0.4	0.0	212	27	11	0.5	--	0.3	--	259	22
09/27/66				.26	.18	4.00	.01		3.48	.56	.31	.01				242	0
0900				6	4	90			80	13	7						
SANTA CLARA VALLEY - SOUTH BAY (2-9.02)																	
05S/01E-31E01 M	--	--	636	--	--	--	--	--	--	--	34	--	--	0.3	--	--	--
08/23/66											.96						
1105																	
06S/01E-27C02 M	--	8.1	759	40	21	87	1.9	0.0	278	70	54	8.2	--	1.3	--	420	186
08/31/66				2.00	1.73	3.78	.05		4.56	1.46	1.52	.13				420	0
1010				26	23	50	1		59	19	20	2					
06S/01E-28A04 M	--	8.6	746	67	20	65	2.0	15	281	60	50	6.5	--	0.8	--	438	248
08/31/66				3.34	1.64	2.83	.05	.50	4.61	1.25	1.41	.10				424	0
1030				42	21	36	1	6	59	16	18	1					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
06S/01E-30M01	M	--	8.3	640	66	27	31	1.5	0.0	284	46	33	8.5	--	0.1	--	351	275
08/24/66					3.29	2.22	1.35	.04		4.66	.96	.93	.14					
1000					48	32	20	1		70	14	14	2				352	42
06S/01W-11B01	M	--	8.6	609	66	17	38	1.4	23	262	40	14	0.0	--	0.2	--	336	236
08/23/66					3.29	1.40	1.65	.04	.77	4.30	.83	.39						
1220					52	22	26	1	12	68	13	6					328	0
06S/01W-14E01	M	--	8.6	878	82	23	59	1.9	11	199	46	138	0.3	--	0.2	--	536	300
08/23/66					4.09	1.89	2.57	.05	.37	3.26	.96	3.89						
1330					48	22	30	1	4	38	11	46					459	119
06S/01W-16A01	M	--	7.9	2570	164	79	211	2.2	0.0	125	123	690	0.3	--	0.3	--	1460	735
08/25/66					8.18	6.49	9.18	.06		2.05	2.56	19.46						
1145					34	27	38			9	11	81					1331	633
06S/01W-26D01	M	--	--	443	--	--	--	--	--	--	--	16	--	--	--	--	--	--
08/25/66												.45						
1025																		
06S/01W-27N03	M	--	8.0	412	30	17	27	1.2	0.0	149	49	18	5.6	--	0.1	--	236	145
08/24/66					1.50	1.40	1.17	.03		2.44	1.02	.51	.09					
1320					37	34	29	1		60	25	13	2				221	23
06S/01W-29C01	M	--	8.5	577	57	17	38	0.8	8.6	249	36	27	8.0	--	0.2	--	318	213
08/25/66					2.84	1.40	1.65	.02	.29	4.08	.75	.76	.13					
1335					48	24	28		5	68	12	13	2				315	0
06S/02E-09H01	M	--	8.2	574	40	13	60	1.6	0.0	258	35	34	1.1	--	0.2	--	320	155
08/26/66					2.00	1.07	2.61	.04		4.23	.73	.96	.02					
1145					35	19	46	1		71	12	16					311	0
06S/02E-09Q02	M	--	8.2	537	26	13	66	1.1	0.0	214	31	43	0.4	--	0.2	--	290	119
08/26/66					1.30	1.07	2.87	.03		3.51	.64	1.21	.01					
1155					25	20	54	1		65	12	23					286	0
06S/02E-24M03	M	--	8.4	559	46	19	43	1.1	6.8	246	41	26	1.0	--	0.1	--	312	194
08/26/66					2.30	1.56	1.87	.03	.23	4.03	.85	.73	.02					
1115					40	27	32	1	4	69	15	12					305	0

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER														
				MILLIEQUIVALENT PER LITER														
				PERCENT REACTANCE VALUE														
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
06S/02E-29D02 M	--	--	756	--	--	--	--	--	--	--	42	37	--	0.0	--	--	--
08/26/66											1.18	.60					
1245																	
07S/01E-20B M	--	--	811	--	--	--	--	--	--	--	40	4.6	--	0.1	--	--	--
08/31/66											1.13	.07					
0930																	
07S/01E-25A02 M	--	8.0	1020	22	98	44	0.7	0.0	527	27	70	6.7	--	0.2	--	557	459
07/15/66				1.10	8.06	1.91	.02		8.64	.56	1.97	.11				527	27
0940				10	73	17			77	5	17	1					
07S/01W-35H01 M	--	8.0	455	49	19	15	1.3	0.0	194	51	13	5.4	--	0.1	--	243	199
09/23/66				2.45	1.56	.65	.03		3.18	1.06	.37	.09				249	40
0835				52	33	14	1		68	23	8	2					
07S/02E-18B01 M	--	--	1100	--	--	--	--	--	--	--	98	--	--	--	--	--	--
07/15/66											2.76						
1035																	
07S/02E-19E01 M	--	8.2	783	46	40	60	0.8	0.0	345	49	41	19	--	0.2	--	407	278
07/15/66				2.30	3.29	2.61	.02		5.66	1.02	1.16	.31				425	0
0950				28	40	32			69	13	14	4					
07S/02E-33C04 M	--	--	827	--	--	--	--	--	--	--	52	--	--	--	--	--	--
07/15/66											1.47						
1020																	
08S/01E-04L04 M	--	8.2	471	30	35	15	1.1	0.0	234	30	12	8.4	--	0.1	--	268	219
07/19/66				1.50	2.88	.65	.03		3.84	.62	.34	.14				246	27
1010				30	57	13	1		78	13	7	3					
08S/01E-10G01 M	--	--	505	--	--	--	--	--	--	--	20	--	--	--	--	--	--
07/18/66											.56						
1330																	
08S/01E-13L01 M	--	--	738	--	--	--	--	--	--	--	24	29	--	--	--	--	--
07/19/66											.68	.47					
1340																	

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
08S/01E-16D01 M	--	8.3	520	40	31	15	1.3	0.0	205	45	26	14	--	0.2	--	278	228
07/19/66				2.00	2.55	.65	.03		3.36	.94	.73	.23				273	60
1035				38	49	12	1		64	18	14	4					
08S/01E-17B01 M	--	8.0	508	41	29	15	1.0	0.0	184	45	34	6.1	--	0.2	--	264	221
09/01/66				2.05	2.38	.65	.03		3.02	.94	.96	.10				261	70
0815				40	47	13	1		60	19	19	2					
08S/01E-27C02 M	--	--	631	--	--	--	--	--	--	--	16	12	--	0.2	--	--	--
09/29/66											.45	.19					
0845																	
08S/01W-13A02 M	--	--	478	--	--	--	--	--	--	--	36	--	--	--	--	--	--
07/18/66											1.02						
1400																	
08S/01W-15B01 M	--	8.2	650	43	39	26	1.2	0.0	200	68	33	28	--	0.1	--	415	269
08/16/66				2.15	3.21	1.13	.03		3.28	1.41	.93	.45				336	105
1010				33	49	17			54	23	15	7					
08S/02E-07F01 M	--	8.0	626	42	42	26	1.2	0.0	271	68	19	15	--	0.1	--	340	279
07/19/66				2.10	3.45	1.13	.03		4.44	1.41	.54	.24				346	57
1505				31	51	17			67	21	8	4					
08S/02E-16E01 M	--	8.4	535	43	31	22	1.0	3.0	243	51	16	6.4	--	0.2	--	283	235
08/08/66				2.15	2.55	.96	.03	.10	3.99	1.06	.45	.10				293	31
1300				38	45	17	1	2	70	19	8	2					
08S/02E-17L02 M	--	--	550	--	--	--	--	--	--	--	21	--	--	--	--	--	--
08/31/66											.59						
1110																	
08S/02E-34A01 M	--	8.2	506	28	29	27	1.1	0.0	158	72	18	31	--	0.1	--	290	191
08/08/66				1.40	2.38	1.17	.03		2.59	1.50	.51	.50				284	62
1000				28	48	23	1		51	29	10	10					
09S/02E-02C01 M	--	8.2	681	58	34	29	1.0	0.0	251	68	30	42	--	0.2	--	354	285
08/08/66				2.89	2.79	1.26	.03		4.12	1.41	.85	.68				385	79
1035				41	40	18			58	20	12	10					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
09S/03E-22B03 M	--	--	456	--	--	--	--	--	--	--	18	--	--	--	--	--	--
08/09/66											.51						
1010																	
09S/03E-36F03 M	--	8.1	473	38	21	27	1.7	0.0	205	25	19	22	--	0.1	--	271	181
08/09/66				1.90	1.73	1.17	.04		3.36	.52	.54	.35				254	13
1115				39	36	24	1		70	11	11	7					
LIVERMORE VALLEY (2-10.00)																	
02S/02E-35G02 M	--	8.5	3110	78	54	485	2.4	16	346	80	753	36	--	6.5	--	1740	418
06/10/66				3.89	4.44	21.10	.06	.53	5.67	1.66	21.23	.58				1680	108
1230				13	15	72		2	19	6	72	2					
03S/01E-03Q01 M	--	8.4	1080	46	44	125	2.1	10	378	58	119	20	--	1.8	--	616	298
06/14/66				2.30	3.62	5.44	.05	.33	6.20	1.21	3.36	.32				611	0
1200				20	32	48		3	54	11	29	3					
03S/01E-08H01 M	--	8.1	1120	58	47	115	2.5	0.0	358	128	123	4.7	--	0.9	--	641	339
06/10/66				2.89	3.86	5.00	.06		5.87	2.66	3.47	.08				655	46
1530				24	33	42	1		49	22	29	1					
03S/01E-08H03 M	--	7.7	969	65	65	45	2.3	0.0	396	61	84	13	--	0.4	--	571	430
06/10/66				3.24	5.34	1.96	.06		6.49	1.27	2.37	.21				530	106
1520				31	50	18	1		63	12	23	2					
03S/01E-09K02 M	--	8.1	866	52	58	48	2.6	0.0	338	81	74	16	--	0.7	--	504	369
06/14/66				2.59	4.77	2.09	.07		5.54	1.68	2.09	.26				498	92
1150				27	50	22	1		58	18	22	3					
03S/01E-09L01 M	--	8.0	1330	89	68	110	3.2	0.0	511	97	139	25	--	1.7	--	774	503
06/14/66				4.44	5.59	4.79	.08		8.38	2.02	3.92	.40				783	84
1140				30	38	32	1		57	14	27	3					
03S/01E-09P01 M	--	8.2	1350	106	68	92	3.5	0.0	521	81	147	22	--	1.6	--	802	544
06/10/66				5.29	5.59	4.00	.09		8.54	1.68	4.15	.35				776	117
1415				35	37	27	1		58	11	28	2					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
03S/01E-10E01 M	--	8.2	950	61	50	74	2.5	0.0	391	58	89	7.8	--	1.3	--	548	358
06/10/66				3.04	4.11	3.22	.06		6.41	1.21	2.51	.13				535	38
1400				29	39	31	1		62	12	24	1					
03S/01E-10Q01 M	--	8.0	617	58	26	32	2.1	0.0	251	54	38	5.2	--	0.3	--	407	250
06/14/66				2.89	2.14	1.39	.05		4.12	1.12	1.07	.08				339	44
1330				45	33	21	1		64	16	17	1					
03S/01E-11E01 M	--	8.3	1320	74	88	74	2.7	0.0	440	47	202	12	--	0.8	--	726	548
06/10/66				3.69	7.23	3.22	.07		7.22	.98	5.70	.19				716	187
1300				26	51	23			51	7	40	1					
03S/01E-11H01 M	--	8.3	961	57	60	56	2.4	0.0	345	45	113	18	--	0.6	--	535	389
06/10/66				2.84	4.93	2.44	.06		5.66	.94	3.19	.29				521	106
1310				28	48	24	1		56	9	32	3					
03S/01E-13P02 M	--	7.8	730	55	28	57	2.0	0.0	297	40	62	1.5	--	1.0	--	412	252
06/13/66				2.74	2.30	2.48	.05		4.87	.83	1.75	.02				392	9
1530				36	30	33	1		65	11	23						
03S/01E-15L01 M	--	8.3	688	43	44	39	2.0	0.0	285	39	48	24	--	0.4	--	389	287
06/14/66				2.15	3.62	1.70	.05		4.67	.81	1.35	.39				379	54
1035				29	48	23	1		65	11	19	5					
03S/01E-19A05 M	--	8.0	663	62	32	32	1.9	0.0	299	47	33	12	--	0.3	--	381	288
06/14/66				3.09	2.63	1.39	.05		4.90	.98	.93	.19				367	43
1100				43	37	19	1		70	14	13	3					
03S/02E-04M01 M	--	7.9	552	50	25	27	1.5	0.0	227	41	33	14	--	0.2	--	312	228
06/10/66				2.50	2.08	1.17	.04		3.72	.85	.93	.23				303	42
1335				43	36	20	1		65	15	16	4					
03S/02E-06P01 M	--	8.3	1000	53	64	70	2.4	0.0	391	103	95	6.0	--	1.7	--	568	397
06/13/66				2.64	5.26	3.05	.06		6.41	2.14	2.68	.10				587	77
1350				24	48	28	1		57	19	24	1					
03S/02E-07K01 M	--	7.9	821	54	60	27	1.9	0.0	359	42	56	25	--	0.6	--	460	383
06/13/66				2.69	4.93	1.17	.05		5.89	.87	1.58	.40				442	89
1410				30	56	13	1		67	10	18	5					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
03S/02E-08H01 M	--	8.8	718	32	33	71	2.0	28	221	28	68	17	--	0.8	--	407	216
06/14/66				1.60	2.71	3.09	.05	.93	3.62	.58	1.92	.27				388	0
1510				21	36	41	1	13	49	8	26	4					
03S/02E-10H01 M	--	8.3	834	44	34	81	2.3	0.0	273	59	84	19	--	1.4	--	476	251
06/13/66				2.20	2.79	3.52	.06		4.48	1.23	2.37	.31				458	27
1320				26	33	41	1		53	15	28	4					
03S/02E-29D01 M	--	8.3	758	66	32	51	2.2	0.0	304	59	60	11	--	0.4	--	436	297
06/13/66				3.29	2.63	2.22	.06		4.99	1.23	1.69	.18				431	48
1435				40	32	27	1		62	15	21	2					
03S/03E-19C01 M	--	8.2	1630	36	44	250	3.0	0.0	536	73	212	0.7	--	6.8	--	944	273
06/13/66				1.80	3.62	10.88	.08		8.79	1.52	5.98	.01				888	0
1240				11	22	66			54	9	37						
CENTRAL COASTAL REGION (No. 3)																	
PAJARO VALLEY (3-2.00)																	
11S/02E-27A01 M	--	8.6	720	85	21	43	--	15	264	--	55	--	--	0.0	--	--	300
09/28/66				4.24	1.73	1.87		.50	4.33		1.55						59
0950																	
12S/01E-11L02 M	--	8.5	429	31	22	21	--	3.0	181	--	24	--	--	0.0	--	--	167
09/30/66				1.55	1.81	.91		.10	2.97		.68						14
0940																	
12S/01E-11N01 M	--	8.3	544	34	30	24	--	0.0	152	--	55	--	--	0.0	--	--	210
09/30/66				1.70	2.47	1.04			2.49		1.55						86
0950																	
12S/01E-14J01 M	--	--	413	--	--	--	--	--	--	--	27	34	--	--	--	--	--
09/30/66											.76	.55					
1015																	
12S/01E-23R01 M	--	--	602	--	--	--	--	--	--	--	26	--	--	--	--	--	--
06/13/66											.73						
0915																	

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
12S/01E-23R01	M	--	--	623	--	--	--	--	--	--	--	28	--	--	--	--	--	--
09/28/66												.79						
1130																		
12S/01E-24G01	M	--	8.3	520	36	28	28	--	0.0	244	--	26	--	--	0.1	--	--	205
09/29/66					1.80	2.30	1.22			4.00		.73						5
1400																		
12S/01E-24L01	M	--	--	820	--	--	--	--	--	--	--	92	--	--	--	--	--	--
07/21/66												2.59						
1240																		
12S/01E-24L02	M	--	--	894	--	--	--	--	--	--	--	124	--	--	--	--	--	--
06/22/66												3.50						
1440																		
12S/01E-24Q01	M	--	--	468	--	--	--	--	--	--	--	17	--	--	--	--	--	--
06/24/66												.48						
0820																		
12S/01E-24Q01	M	--	--	481	--	--	--	--	--	--	--	19	--	--	--	--	--	--
09/28/66												.54						
1225																		
12S/01E-25B02	M	--	--	494	--	--	--	--	--	--	--	22	--	--	--	--	--	--
06/17/66												.62						
1045																		
12S/01E-25B02	M	--	--	495	--	--	--	--	--	--	--	23	--	--	--	--	--	--
09/28/66												.65						
1210																		
12S/01E-25B03	M	--	--	628	--	--	--	--	--	--	--	67	--	--	--	--	--	--
06/17/66												1.89						
1430																		
12S/01E-25C01	M	--	--	951	--	--	--	--	--	--	--	154	--	--	--	--	--	--
06/17/66												4.34						
1500																		

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB PH FLD	EC LAB EC FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
				MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
12S/01E-25C01 M 09/28/66 1200	--	--	972	--	--	--	--	--	--	--	168 4.74	--	--	--	--	--	--
12S/01E-36H02 M 07/21/66 1350	--	--	1130	--	--	--	--	--	--	--	112 3.16	--	--	--	--	--	--
12S/02E-07K01 M 09/30/66 0900	--	--	591	--	--	--	--	--	--	--	42 1.18	--	--	--	--	--	--
12S/02E-18J01 M 06/22/66 1030	--	--	478	--	--	--	--	--	--	--	17 .48	--	--	--	--	--	--
12S/02E-18K02 M 06/17/66 0830	--	--	436	--	--	--	--	--	--	--	15 .42	--	--	--	--	--	--
12S/02E-18K02 M 09/30/66 0800	--	8.3	456	44 2.20	18 1.48	25 1.09	--	0.0	215 3.53	--	14 .39	--	--	0.1	--	--	185 9
12S/02E-19C01 M 09/28/66 1240	--	--	535	--	--	--	--	--	--	--	16 .45	--	--	--	--	--	--
12S/02E-19E01 M 06/23/66 1300	--	--	510	--	--	--	--	--	--	--	40 1.13	--	--	--	--	--	--
12S/02E-19E02 M 06/23/66 1215	--	--	578	--	--	--	--	--	--	--	36 1.02	--	--	--	--	--	--
12S/02E-19M01 M 06/14/66 1345	--	--	1060	--	--	--	--	--	--	--	164 4.62	--	--	--	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
12S/02E-19M01 M 09/28/66 1330		--	--	1090	--	--	--	--	--	--	--	174 4.91	--	--	--	--	--	--
12S/02E-19M02 M 06/24/66 0740		--	--	2240	--	--	--	--	--	--	--	559 15.76	--	--	--	--	--	--
12S/02E-30F03 M 06/15/66 1600		--	--	513	--	--	--	--	--	--	--	25 .71	--	--	--	--	--	--
12S/02E-30N01 M 07/19/66 0145		--	--	715	--	--	--	--	--	--	--	68 1.92	66 1.06	--	--	--	--	--
12S/02E-30P01 M 06/16/66 1415		--	--	851	--	--	--	--	--	--	--	65 1.83	--	--	--	--	--	--
12S/02E-30P01 M 09/28/66 1400		--	--	887	--	--	--	--	--	--	--	71 2.00	--	--	--	--	--	--
12S/02E-30P02 M 09/28/66 1445		--	--	649	--	--	--	--	--	--	--	55 1.55	--	--	--	--	--	--
12S/02E-30R02 M 09/29/66 1300		--	--	665	--	--	--	--	--	--	--	39 1.10	--	--	--	--	--	--
12S/02E-31C03 M 06/16/66 0840		--	--	507	--	--	--	--	--	--	--	42 1.18	--	--	--	--	--	--
12S/02E-31K01 M 07/19/66 1230		--	--	1620	--	--	--	--	--	--	--	377 10.63	--	--	--	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
12S/02E-32C01	M	--	--	593	--	--	--	--	--	--	--	45	--	--	--	--	--	--
00/00/66												1.27						
12S/02E-32K01	M	--	--	544	--	--	--	--	--	--	--	88	--	--	--	--	--	--
06/21/66 1115												2.48						
12S/02E-32K01	M	--	8.3	566	28	19	55	--	0.0	108	--	81	--	--	0.0	--	--	148
09/29/66 1220					1.40	1.56	2.39			1.77		2.28						60
12S/02E-32N01	M	--	--	529	--	--	--	--	--	--	--	41	--	--	--	--	--	--
06/21/66 1400												1.16						
12S/02E-32N01	M	--	--	645	--	--	--	--	--	--	--	45	--	--	--	--	--	--
09/29/66 1200												1.27						
12S/03E-07B01	M	--	8.5	1320	106	65	91	--	15	405	--	91	--	--	0.6	--	--	533
09/28/66 1045					5.29	5.34	3.96		.50	6.64		2.57						176
12S/03E-09Q01	M	--	--	1690	--	--	--	--	--	--	--	189	--	--	1.4	--	--	--
09/28/66 1015												5.33						
13S/01E-01A01	M	--	--	2230	--	--	--	--	--	--	--	526	3.8	--	0.1	--	--	--
07/21/66 0910												14.83	.06					
13S/02E-04F01	M	--	--	733	--	--	--	--	--	--	--	74	--	--	--	--	--	--
06/24/66 0915												2.09						
13S/02E-04G01	M	--	--	731	--	--	--	--	--	--	--	116	--	--	--	--	--	--
09/29/66 1120												3.27						

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER / DATE / TIME	LAB / SAMPLER	TEMP	PH LAB	PH FLD	EC LAB	EC FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
13S/02E-04K01 M		--	--		691			--	--	--	--	--	--	--	84	--	--	--	--	--	--
06/24/66															2.37						
1240																					
13S/02E-05B02 M		--	--		781			--	--	--	--	--	--	--	122	--	--	--	--	--	--
07/22/66															3.44						
13S/02E-05E01 M		--	--		737			--	--	--	--	--	--	--	67	--	--	--	--	--	--
06/23/66															1.89						
0850																					
13S/02E-05M01 M		--	--		1350			--	--	--	--	--	--	0.0	115	193	--	0.2	--	--	--
07/21/66	9200														3.24	3.11					
0855																					
13S/02E-06C01 M		--	--		2500			--	--	--	--	0.1	--	199	531	82	--	0.2	--	--	--
07/18/66														4.14	14.97	1.32					
0130																					
13S/02E-06C02 M		--	--		2490			--	--	--	--	--	--	--	541	--	--	--	--	--	--
06/22/66															15.26						
1620																					
13S/02E-06C03 M		--	--		1080			--	--	--	--	--	--	--	164	--	--	--	--	--	--
06/22/66															4.62						
1630																					
13S/02E-06E01 M		--	--		1540			--	--	--	--	--	--	--	246	--	--	--	--	--	--
06/22/66															6.94						
1130																					
13S/02E-06E02 M		--	--		1720			--	--	--	--	--	--	--	351	24	--	--	--	--	--
07/18/66															9.90	.39					
0145																					
13S/02E-06F01 M		--	--		1150			--	--	--	--	--	--	--	173	--	--	--	--	--	--
06/22/66															4.88						
1510																					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENT PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
13S/02E-06L01	M	--	--	1100	--	--	--	--	--	--	--	311	--	--	--	--	--	--
06/22/66												8.77						
0840																		
13S/02E-06L02	M	--	--	778	--	--	--	--	--	--	--	72	--	--	--	--	--	--
06/22/66												2.03						
1030																		
13S/02E-06P01	M	--	8.6	1230	22	5.8	231	--	12	182	--	221	--	--	0.2	--	--	79
09/29/66					1.10	.48	10.05		.40	2.98		6.23						0
1035																		
13S/02E-07B02	M	--	--	1810	--	--	--	--	--	--	--	227	--	--	--	--	--	--
06/23/66												6.40						
1015																		
13S/02E-07B02	M	--	--	2830	--	--	182	--	--	--	--	479	--	--	--	--	--	--
09/29/66							7.92					13.51						
1020																		
13S/02E-07B03	M	--	--	1810	--	--	--	--	--	--	--	235	--	--	--	--	--	--
09/29/66												6.63						
1000																		
13S/02E-31A02	M	--	--	467	--	--	--	--	--	--	--	50	--	--	--	--	--	--
06/23/66												1.41						
1430																		
GILROY-HOLLISTER BASIN (3-3.00)																		
09S/03E-25N03	M	--	--	479	--	--	--	--	--	--	--	21	--	--	--	--	--	--
06/02/66												.59						
1100																		
10S/03E-01E02	M	--	--	481	--	--	--	--	--	--	--	15	26	--	0.0	--	--	--
06/02/66												.42	.42					
1045																		

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB	EC LAB	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
		FLD	FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
10S/03E-23J01 M 06/02/66 1200	--	8.4	464	42 2.10	15 1.23	18 .78	--	2.0 .07	180 2.95	--	23 .65	38 .61	--	8.0	--	--	168 17
10S/03E-26J01 M 06/02/66 1225	--	--	425	--	--	--	--	--	--	--	22 .62	23 .37	--	--	--	--	--
10S/04E-18G02 M 06/02/66 1000	--	8.1	507	47 2.35	18 1.48	18 .78	--	0.0	220 3.61	--	40 1.13	28 .45	--	0.1	--	--	192 12
10S/04E-18J01 M 06/02/66 0950	--	--	453	--	--	--	--	--	--	--	17 .48	--	--	--	--	--	--
10S/04E-28D02 M 06/02/66 0940	--	--	570	--	--	--	--	--	--	--	30 .85	--	--	--	--	--	--
10S/04E-34L05 M 06/02/66 0910	--	8.0	694	69 3.44	16 1.32	42 1.83	--	0.0	302 4.95	--	39 1.10	34 .55	--	0.1	--	--	236 0
11S/04E-03L02 M 06/02/66 1300	--	--	1120	--	--	--	--	--	--	--	88 2.48	--	--	--	--	--	--
11S/04E-04Q03 M 06/02/66 0835	--	--	844	--	--	--	--	--	--	--	24 .68	85 1.37	--	0.0	--	--	--
11S/04E-21B02 M 06/02/66 0810	--	8.5	766	86 4.29	21 1.73	26 1.13	--	10 .33	304 4.99	--	29 .82	47 .76	--	0.1	--	--	303 37
11S/05E-26Q03 M 06/01/66 1450	--	--	858	--	--	--	--	--	--	--	108 3.05	--	--	2.2	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
11S/05E-27M01 M	--	8.3	529	55	13	25	--	0.0	250	--	22	2.6	--	0.2	--	--	190
06/01/66				2.74	1.07	1.09			4.10		.62	.04					0
1505																	
12S/04E-34P02 M	--	8.3	2190	245	4.2	160	--	0.0	453	--	289	18	--	0.4	--	--	629
06/01/66				12.23	.35	6.96			7.43		8.15	.29					258
0940																	
12S/04E-35C01 M	--	--	1840	--	--	--	--	--	--	408	114	--	--	0.8	--	--	--
06/01/66										8.49	3.21						
0950																	
12S/04E-36G01 M	--	8.3	2170	120	108	186	--	0.0	660	--	159	8.2	--	1.3	--	--	734
06/01/66				5.99	8.71	8.09			10.82		4.48	.13					193
1010																	
12S/05E-28P01 M	--	8.6	1420	47	91	127	3.0	20	505	216	83	2.3	--	--	--	863	493
10/04/65				2.35	7.48	5.52	.08	.67	8.28	4.49	2.34	.04				837	46
				15	48	36	1	4	52	28	15						
12S/05E-28P01 M	--	8.3	1440	71	87	127	2.9	0.0	608	202	82	3.0	--	--	--	872	534
11/05/65				3.54	7.15	5.52	.07		9.97	4.20	2.31	.05				873	36
1500				22	44	34			60	25	14						
12S/05E-28P01 M	--	8.5	1430	75	85	135	3.0	23	563	203	85	2.2	--	--	--	869	539
12/07/65				3.74	6.99	5.87	.08	.77	9.23	4.22	2.40	.04				887	39
1355				22	42	35		5	55	25	14						
12S/05E-33A01 M	--	8.5	1710	117	45	176	--	17	769	--	94	4.9	--	0.8	--	--	478
06/01/66				5.84	3.70	7.66		.57	12.61		2.65	.08					0
1030																	
12S/05E-33C01 M	--	8.7	1220	51	66	116	4.5	28	387	177	73	1.8	--	--	--	769	401
10/04/65				2.54	5.43	5.05	.12	.93	6.35	3.68	2.06	.03				707	37
1410				19	41	38	1	7	49	28	16						
12S/05E-33C01 M	--	8.6	1200	54	65	113	4.4	19	403	194	75	0.1	--	--	--	734	402
11/05/65				2.69	5.34	4.92	.11	.63	6.61	4.04	2.12					722	40
1450				21	41	38	1	5	49	30	16						

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
12S/05E-33C01	M	--	8.3	1220	54	67	116	4.3	0.0	450	194	74	0.8	--	--	--	740	409
12/07/65					2.69	5.51	5.05	.11		7.38	4.04	2.09	.01				731	40
1345					20	41	38	1		55	30	15						
12S/05E-33D04	M	--	8.5	2160	37	113	254	7.6	15	434	460	208	12	--	--	--	1400	558
10/04/65					1.85	9.29	11.05	.19	.50	7.12	9.57	5.87	.19				1319	177
1430					8	42	49	1	2	31	41	25	1					
12S/05E-33D04	M	--	8.4	2230	68	116	266	7.0	12	534	467	214	12	--	--	--	1480	645
11/05/65					3.39	9.54	11.57	.18	.40	8.76	9.71	6.03	.19				1424	187
1420					14	39	47	1	2	35	39	24	1					
12S/05E-33D04	M	--	8.2	2250	72	117	270	6.8	0.0	578	470	208	13	--	--	--	1450	662
12/07/65					3.59	9.62	11.75	.17		9.48	9.78	5.87	.21				1440	188
1430					14	38	47	1		37	39	23	1					
12S/05E-33F	M	--	8.4	1740	72	105	169	4.2	20	635	286	98	0.7	--	--	--	1110	612
10/04/65					3.59	8.63	7.35	.11	.67	10.41	5.95	2.76	.01				1066	58
1345					18	44	37	1	3	53	30	14						
12S/05E-33F	M	--	8.6	1750	76	109	165	4.2	33	648	277	96	1.5	--	--	--	1070	640
11/05/65					3.79	8.96	7.18	.11	1.10	10.63	5.76	2.71	.02				1079	54
1440					19	45	36	1	5	53	28	13						
12S/05E-33H02	M	--	8.2	1840	46	128	175	4.0	0.0	681	280	116	6.7	--	--	--	1140	644
10/04/65					2.30	10.52	7.61	.10		11.17	5.82	3.27	.11				1089	86
1330					11	51	37			55	29	16	1					
12S/05E-33H02	M	--	8.3	1790	48	130	169	3.9	0.0	710	283	113	6.6	--	--	--	1120	654
11/05/65					2.40	10.69	7.35	.10		11.64	5.89	3.19	.11				1101	72
1515					12	52	36			56	28	15	1					
12S/05E-33H02	M	--	8.1	1910	102	126	175	3.7	0.0	888	262	109	4.6	--	--	--	1210	776
12/07/65					5.09	10.36	7.61	.09		14.56	5.45	3.07	.07				1217	48
1335					22	45	33			63	24	13						
12S/05E-34M01	M	--	8.4	1250	52	68	114	3.0	3.0	374	226	80	6.1	--	--	--	773	412
10/04/65					2.59	5.59	4.96	.08	.10	6.13	4.70	2.26	.10				735	101
1320					20	42	38	1	1	46	35	17	1					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
12S/05E-34M01 M	--	8.6	1210	54	70	115	3.1	18	346	236	62	6.0	--	--	--	801	422
11/05/65				2.69	5.75	5.05	.08	.60	5.67	4.91	2.31	.10				755	109
1525				20	42	37	1	4	42	36	17	1					
12S/05E-34M01 M	--	8.5	1260	60	68	113	2.8	14	362	240	84	5.4	--	--	--	777	431
12/07/65				2.99	5.59	4.92	.07	.47	5.94	4.99	2.37	.09				765	111
1325				22	41	36	1	3	43	36	17	1					
12S/05E-36A01 M	--	--	1320	--	--	--	--	--	--	--	147	--	--	1.3	--	--	--
06/01/66											4.15						
1245																	
12S/06E-07M02 M	--	8.3	412	31	0.8	54	--	0.0	220	--	4.4	0.3	--	0.6	--	--	81
06/01/66				1.55	.07	2.35			3.61		.12						0
1400																	
12S/06E-19E02 M	--	--	1520	--	--	--	--	--	--	--	318	--	--	18.0	--	--	--
06/01/66											8.97						
1330																	
12S/06E-31B01 M	--	8.5	2440	51	43	397	--	21	496	--	490	1.0	--	3.6	--	--	303
06/01/66				2.54	3.53	17.27		.70	8.13		13.82	.02					0
1305																	
13S/05E-03J01 M	--	--	1420	--	--	--	--	--	--	267	116	--	--	0.7	--	--	--
06/01/66										5.55	3.27						
1050																	
13S/05E-11B05 M	--	--	1540	--	--	--	--	--	--	303	130	--	--	0.8	--	--	--
06/01/66										6.30	3.67						
1115																	
13S/05E-11G01 M	--	--	1430	--	--	--	--	--	--	269	122	--	--	0.8	--	--	--
06/01/66										5.60	3.44						
1220																	
SALINAS VALLEY (3-4.00)																	
12S/03E-19M01 M	--	--	430	--	--	--	--	--	--	--	64	--	--	--	--	--	--
08/18/66											1.80						
1110																	

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
13S/02E-01K01	M	--	7.6	292	14	9.2	28	1.2	0.0	68	6.9	28	42	--	0.1	--	157	73
08/18/66					.70	.76	1.22	.03		1.12	.14	.79	.68				163	17
1130					26	28	45	1		41	5	29	25					
13S/02E-07R01	M	--	--	991	--	--	--	--	--	--	--	130	--	--	--	--	--	--
07/12/66												3.67						
0100																		
13S/02E-13N01	M	--	--	236	--	--	--	--	--	--	--	36	--	--	--	--	--	--
08/18/66												1.02						
0435																		
13S/02E-17H01	M	--	8.3	1580	68	42	176	1.1	0.0	204	41	361	2.1	--	0.3	--	990	342
07/12/66					3.39	3.45	7.66	.03		3.35	.85	10.18	.03				791	175
0145					23	24	53			23	6	71						
13S/02E-19R01	M	--	--	1100	--	--	--	--	--	--	--	222	--	--	--	--	--	--
07/12/66												6.26						
0300																		
13S/02E-20J01	M	--	--	1230	--	--	--	--	--	--	--	207	47	--	--	--	--	--
07/13/66												5.84	.76					
0945																		
13S/02E-31D02	M	--	--	1220	--	--	--	--	--	--	--	301	--	--	0.2	--	--	--
07/13/66												8.49						
0100																		
13S/02E-31K02	M	--	--	697	--	--	--	--	--	--	--	94	--	--	--	--	--	--
07/13/66												2.65						
0230																		
13S/02E-31M02	M	--	--	1260	--	--	--	--	--	--	--	264	--	--	--	--	--	--
07/13/66												7.44						
0300																		
13S/02E-31N02	M	--	--	1310	--	--	--	--	--	--	--	269	--	--	--	--	--	--
07/13/66												7.59						
0315																		

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
13S/02E-32A02 M 07/13/66 1200	--	--	631	--	--	--	--	--	--	--	73 2.06	--	--	--	--	--	--
13S/02E-32C01 M 07/13/66 0145	--	--	563	--	--	--	--	--	--	--	54 1.52	--	--	--	--	--	--
13S/02E-32N01 M 07/14/66 1200	--	--	655	--	--	--	--	--	--	--	66 1.86	--	--	--	--	--	--
13S/02E-33R01 M 07/21/66 0215	--	7.2	910	79 3.94 44	27 2.22 25	62 2.70 30	3.1 .08 1	0.0	253 4.15 46	77 1.60 18	110 3.10 35	7.9 .13 1	--	0.1	--	544 490	307 100
13S/03E-04L01 M 08/18/66 0232	--	7.7	344	13 .65 21	9.0 .74 24	38 1.65 54	0.9 .02 1	0.0	89 1.46 48	2.0 .04 1	47 1.33 44	13 .21 7	--	0.0	--	236 167	71 0
13S/03E-29A01 M 08/18/66 0400	--	--	527	--	--	--	--	--	--	--	98 2.76	--	--	--	--	--	--
14S/01E-24Q02 M 08/17/66 1140	--	--	1480	--	--	--	--	--	--	--	214 6.03	--	--	--	--	--	--
14S/01E-25K01 M 08/17/66 1153	--	7.5	630	28 1.40 26	16 1.32 24	62 2.70 49	2.0 .05 1	0.0	38 .62 13	22 .46 10	112 3.16 68	27 .43 9	--	0.1	--	466 288	138 107
14S/02E-06Q01 M 07/20/66 1020	--	--	651	--	--	--	--	--	--	--	60 1.69	--	--	--	--	--	--
14S/02E-06R02 M 07/20/66 1000	--	--	614	--	--	--	--	--	--	--	55 1.55	--	--	--	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
14S/02E-08M02	M	--	--	538	--	--	--	--	--	--	--	108	--	--	--	--	--	--
07/20/66												3.05						
1110																		
14S/02E-09K01	M	--	--	4490	--	--	--	--	--	--	--	1220	--	--	--	--	--	--
08/02/66												34.40						
1305																		
14S/02E-11D01	M	--	--	658	--	--	--	--	--	--	--	62	--	--	--	--	--	--
07/14/66												1.75						
0300																		
14S/02E-12Q01	M	--	--	551	--	--	--	--	--	--	--	40	--	--	--	--	--	--
07/21/66												1.13						
0330																		
14S/02E-14N01	M	--	--	659	--	--	--	--	--	--	--	62	--	--	--	--	--	--
07/21/66												1.75						
0115																		
14S/02E-16A01	M	--	--	728	--	--	--	--	--	--	--	51	--	--	--	--	--	--
07/20/66												1.44						
0300																		
14S/02E-18D01	M	--	7.5	1580	139	43	112	7.5	0.0	274	200	251	4.1	--	0.2	--	1010	525
07/29/66					6.94	3.53	4.87	.19		4.49	4.16	7.08	.07				891	301
1350					45	23	31	1		28	26	45						
14S/02E-23J01	M	--	7.7	997	79	31	76	4.4	0.0	210	146	112	4.3	--	0.2	--	622	327
07/22/66					3.94	2.55	3.31	.11		3.44	3.04	3.16	.07				556	155
1000					40	26	33	1		35	31	33	1					
14S/02E-24E01	M	--	8.0	621	39	19	56	3.0	0.0	176	46	72	3.4	--	0.1	--	366	175
07/21/66					1.95	1.56	2.44	.08		2.89	.96	2.03	.05				325	31
0200					32	26	40	1		49	16	34	1					
14S/02E-25B01	M	--	--	1430	--	--	--	--	--	--	--	211	--	--	0.2	--	--	--
07/22/66												5.95						
1230																		

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
14S/02E-30P02 M 08/17/66 1220		--	--	602	--	--	--	--	--	--	--	85 2.40	--	--	--	--	--	--
14S/02E-35Q01 M 08/03/66 0250		--	--	481	--	--	--	--	--	--	--	--	--	--	--	--	--	--
14S/03E-30E01 M 07/22/66 1300		--	--	2048	--	--	--	--	--	--	239 4.97	364 10.26	--	--	0.3	--	--	--
14S/03E-30F01 M 07/28/66 1425		--	--	1670	--	--	--	--	--	--	--	287 8.09	24 .39	--	0.2	--	--	--
14S/03E-33G01 M 07/29/66 1000		--	8.2	861	62 3.09 36	32 2.63 31	62 2.70 32	3.6 .09 1	0.0	219 3.59 43	72 1.50 18	113 3.19 38	4.3 .07 1	--	0.1	--	566 456	286 107
15S/01E-22C01 M 08/17/66 0118		--	8.2	849	53 2.64 33	23 1.89 23	74 3.44 43	3.4 .09 1	0.0	196 3.21 40	67 1.39 17	120 3.38 42	7.3 .12 1	--	0.1	--	504 449	227 67
15S/01E-23G01 M 08/19/66 1440		--	--	941	--	--	--	--	--	--	--	115 3.24	--	--	--	--	--	--
15S/01E-26N02 M 08/19/66 1500		--	7.8	522	19 .95 21	9.4 .77 17	63 2.74 61	1.6 .04 1	0.0	62 1.02 23	18 .37 8	88 2.48 56	36 .58 13	--	0.0	--	308 265	86 35
15S/02E-01A03 M 07/20/66 0950		--	--	452	--	--	--	--	--	--	--	--	--	--	--	--	--	--
15S/02E-02Q01 M 07/20/66 1245		--	--	1000	--	--	--	--	--	--	247 5.14	82 2.31	--	--	--	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
15S/03E-04K03 M 07/29/66 0230	--	--	684	--	--	--	--	--	--	--	--	--	--	--	--	--	--
15S/03E-05G04 M 07/21/66 0145	--	--	2290	--	--	--	--	--	--	695 14.46	250 7.05	--	--	0.6	--	--	--
15S/03E-07G02 M 07/20/66 0200	--	--	401	--	--	--	--	--	--	70 1.46	12 .34	--	--	--	--	--	--
15S/03E-17P01 M 08/01/66 0240	--	8.2	1000	23 1.15 11	48 3.95 39	106 4.61 45	15 .38 4	0.0	328 5.38 54	37 .77 8	132 3.72 37	5.6 .09 1	--	0.2	--	522 528	257 0
16S/02E-01L01 M 08/01/66 1145	--	--	634	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16S/02E-03J01 M 08/01/66 0245	--	8.4	885	80 3.99 45	18 1.48 17	76 3.31 37	2.9 .07 1	10 .33 4	244 4.00 46	44 .92 11	121 3.41 39	1.7 .03	--	0.1	--	530 473	276 60
16S/04E-14A01 M 07/28/66 1130	--	--	1930	--	--	--	--	--	--	--	149 4.20	--	--	--	--	--	--
17S/05E-09G01 M 07/14/66 1154	--	8.4	570	59 2.94 50	21 1.73 29	27 1.17 20	2.1 .05 1	8.0 .27 5	183 3.00 53	82 1.71 30	23 .65 12	0.2	--	0.2	--	341 312	232 69
17S/06E-07G01 M 07/13/66 0304	--	8.2	690	52 2.59 37	26 2.14 31	50 2.18 31	2.9 .07 1	0.0	180 2.95 43	114 2.37 34	55 1.55 22	4.6 .07 1	--	0.2	--	412 393	230 83
18S/06E-01E01 M 07/13/66 1104	--	--	847	--	--	--	--	--	--	--	45 1.27	--	--	--	--	--	--

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	LAB SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
18S/06E-02N01 M		--	--	1300	--	--	--	--	--	--	292	71	49	--	--	--	--	--
08/09/66											6.07	2.00	.79					
0955																		
18S/06E-28J01 M		--	8.0	584	67	18	23	3.0	0.0	171	86	36	17	--	0.1	--	345	242
08/08/66					3.34	1.48	1.00	.08		2.80	1.79	1.02	.27				334	102
0250					57	25	17	1		48	30	17	5					
18S/07E-20K01 M		--	8.0	2730	274	139	159	4.8	0.0	190	996	273	8.9	--	0.8	--	2300	1250
08/08/66					13.67	11.39	6.87	.12		3.12	20.72	7.70	.14				1947	1095
1045					43	35	21			10	65	24						
18S/07E-29G01 M		--	7.4	3110	342	144	82	5.4	0.0	373	826	322	58	--	0.4	--	1400	1445
07/13/66					17.07	11.84	3.57	.14		6.12	17.18	9.08	.93				1963	1140
0948					52	36	11			18	52	27	3					
19S/07E-10P01 M		--	8.1	922	74	40	50	2.3	0.0	194	104	120	17	--	0.3	--	600	348
08/01/66					3.69	3.29	2.18	.06		3.18	2.15	3.38	.27				503	189
1155					40	36	24	1		35	24	38	3					
19S/08E-33R01 M		--	--	3190	--	--	--	--	--	--	7010	315	37	--	1.5	--	--	--
08/01/66											145.81	8.88	.60					
0244											4							
20S/08E-05R01 M		--	8.0	1640	106	51	180	3.8	0.0	259	409	155	19	--	1.1	--	1080	475
08/01/66					5.29	4.19	7.83	.10		4.25	8.51	4.37	.31				1052	263
0325					30	24	45	1		24	49	25	2					
20S/08E-24J02 M		--	8.0	3710	217	81	422	8.0	0.0	254	546	772	3.7	--	2.5	--	2390	874
08/09/66					10.83	6.66	18.35	.20		4.17	11.36	21.77	.06				2177	666
0100					30	18	51	1		11	30	58						
21S/09E-24L01 M		--	8.1	1800	153	90	145	5.6	0.0	275	602	101	21	--	0.5	--	1380	752
07/19/66					7.63	7.40	6.31	.14		4.51	12.52	2.85	.34				1253	527
0130					36	34	29	1		22	62	14	2					
22S/10E-17N01 M		--	7.7	501	46	17	29	1.4	0.0	192	56	26	2.0	--	0.1	--	297	184
07/19/66					2.30	1.40	1.26	.04		3.15	1.16	.73	.03				272	27
1158					46	28	25	1		62	23	14	1					

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE LAB TIME SAMPLER	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENT PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
22S/10E-34G01 M 07/19/66 1242	--	8.0	850	55 2.74 32	30 2.47 29	73 3.18 38	3.6 .09 1	0.0	216 3.54 41	122 2.54 29	90 2.54 29	4.6 .07 1	--	0.4	--	520 484	262 85
23S/08E-08K01 M 08/11/66 0132	--	--	309	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CARMEL VALLEY (3-7.00)																	
16S/01W-13L02 M 08/19/66 0245	--	--	977	--	--	--	--	--	--	--	144 4.06	--	--	--	--	--	--
16S/01W-13J02 M 08/19/66 1115	--	--	825	--	--	--	--	--	--	--	78 2.20	--	--	--	--	--	--

TABLE E-2

TRACE ELEMENT ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

State Well Number	Date	Constituents in Milligrams Per Liter																	Analyzed by
		(Al)	(Be)	(Bi)	(Cd)	(Co)	(Cr)	(Cu)	(Fe)	(Ga)	(Ge)	(Mn)	(Mo)	(Ni)	(Pb)	(Ti)	(V)	(Zn)	
4S/1W-21F2-M	12-7-65	0.00					0.00	0.00	0.01			0.00			0.00			0.00	DWR
4S/1W-21F2-M	3-9-66	0.00					0.01	0.00	0.00			0.00			0.00			0.00	DWR
4S/1W-21F2-M	6-3-66	0.00					0.00	0.00	0.00			0.01			0.00			0.00	DWR
4S/1W-21F2-M	9-13-66	0.00						0.01	0.03			0.01			0.00			0.00	DWR
4S/1W-21P6-M	12-7-65	0.00						0.00	0.01			0.00			0.00			0.00	DWR
4S/1W-21P6-M	3-9-66	0.00					0.02	0.00	0.00			0.00			0.00			0.03	DWR
4S/1W-21P6-M	6-3-66	0.00					0.00	0.00	0.02			0.01			0.00			0.00	DWR
4S/1W-21P6-M	9-13-66	0.00						0.00	0.01			0.00			0.00			0.00	DWR
12S/5E-28P1-M	10-4-65								0.00										DWR
12S/5E-33C1-M	10-4-65								0.01										DWR
12S/5E-33C1-M	11-5-65								0.01										DWR
12S/5E-33C1-M	12-7-65								0.02										DWR
12S/5E-33D4-M	10-4-65								0.06										DWR
12S/5E-33D4-M	11-5-65								0.24										DWR
12S/5E-33D4-M	12-7-65								0.06										DWR
12S/5E-33F-M	10-4-65								0.01										DWR
12S/5E-33F-M	11-5-65								2.00										DWR
12S/5E-33H2-M	11-5-65								0.07										DWR
12S/5E-33H2-M	12-7-65								2.30										DWR
12S/5E-34N1-M	10-4-65								0.13										DWR
12S/5E-34N1-M	11-5-65								0.15										DWR
12S/5E-34N1-M	12-7-65								0.10										DWR

TABLE E-3

MISCELLANEOUS CONSTITUENTS IN GROUND WATER

STATE WELL NUMBER	DATE	CONSTITUENTS IN MILLIGRAMS PER LITER			
		MBAS	As	Phenols	Se
SANTA CLARA VALLEY - EAST BAY (2-9.01)					
4S/1W-21F2-M	12-7-65	0.0	0.01	0.000	0.00
4S/1W-21F2-M	3-9-66	0.0	0.00	0.000	0.00
4S/1W-21F2-M	6-3-66	0.0	0.00	0.000	0.00
4S/1W-21F2-M	9-13-66	0.0	0.00	0.000	0.00
4S/1W-21P6-M	12-7-65	0.0	0.00	0.000	0.00
4S/1W-21P6-M	3-9-66	0.0	0.00	0.000	0.00
4S/1W-21P6-M	6-3-66	0.0	0.00	0.000	0.00
4S/1W-21P6-M	9-13-66	0.0	0.00	0.000	0.00
LIVERMORE VALLEY (2-10.00)					
3S/1E-12B1-M	10-13-65	2.1			
3S/1E-12B1-M	5-3-66	1.8			
3S/1E-12B1-M	9-20-66	1.6			

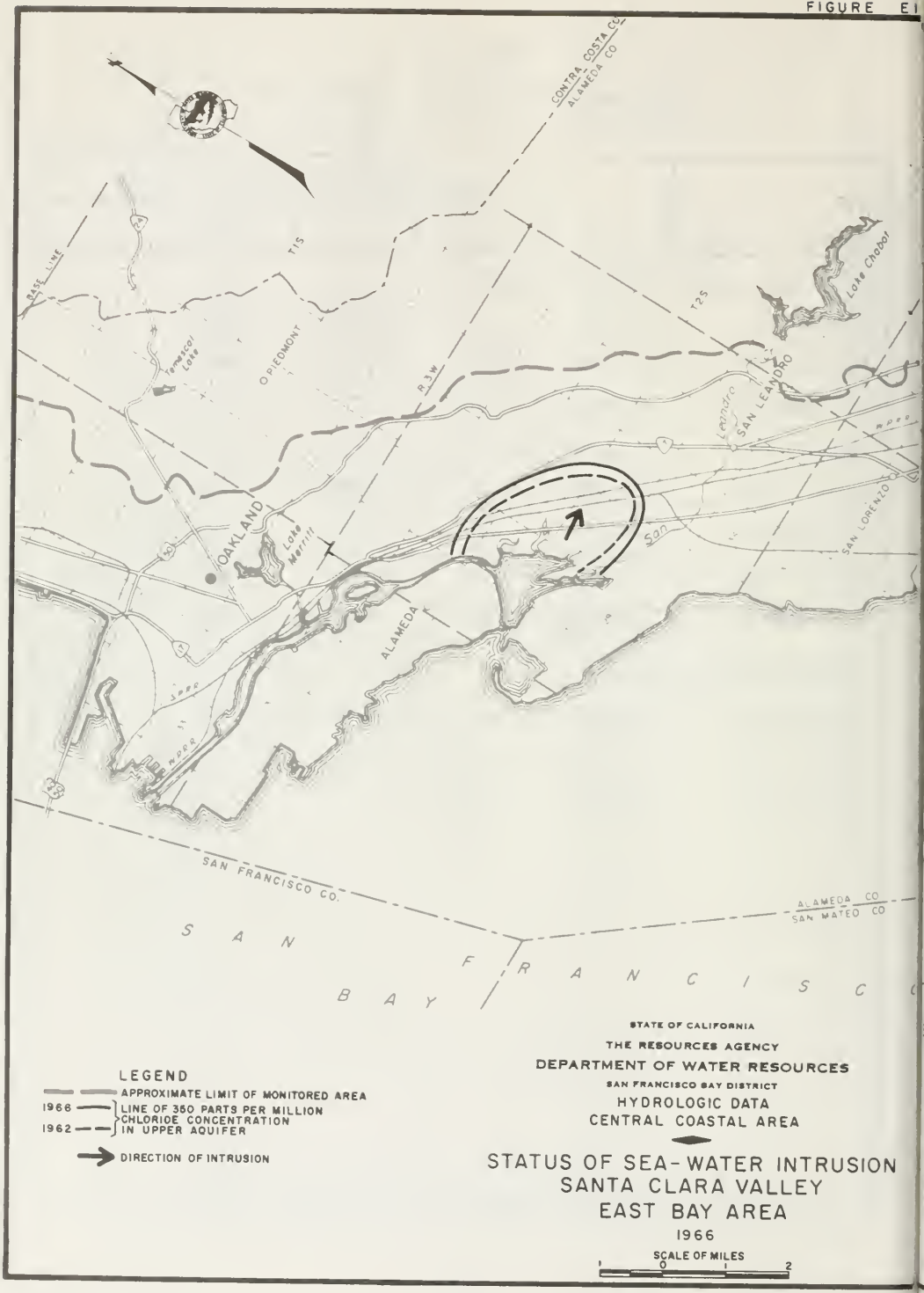
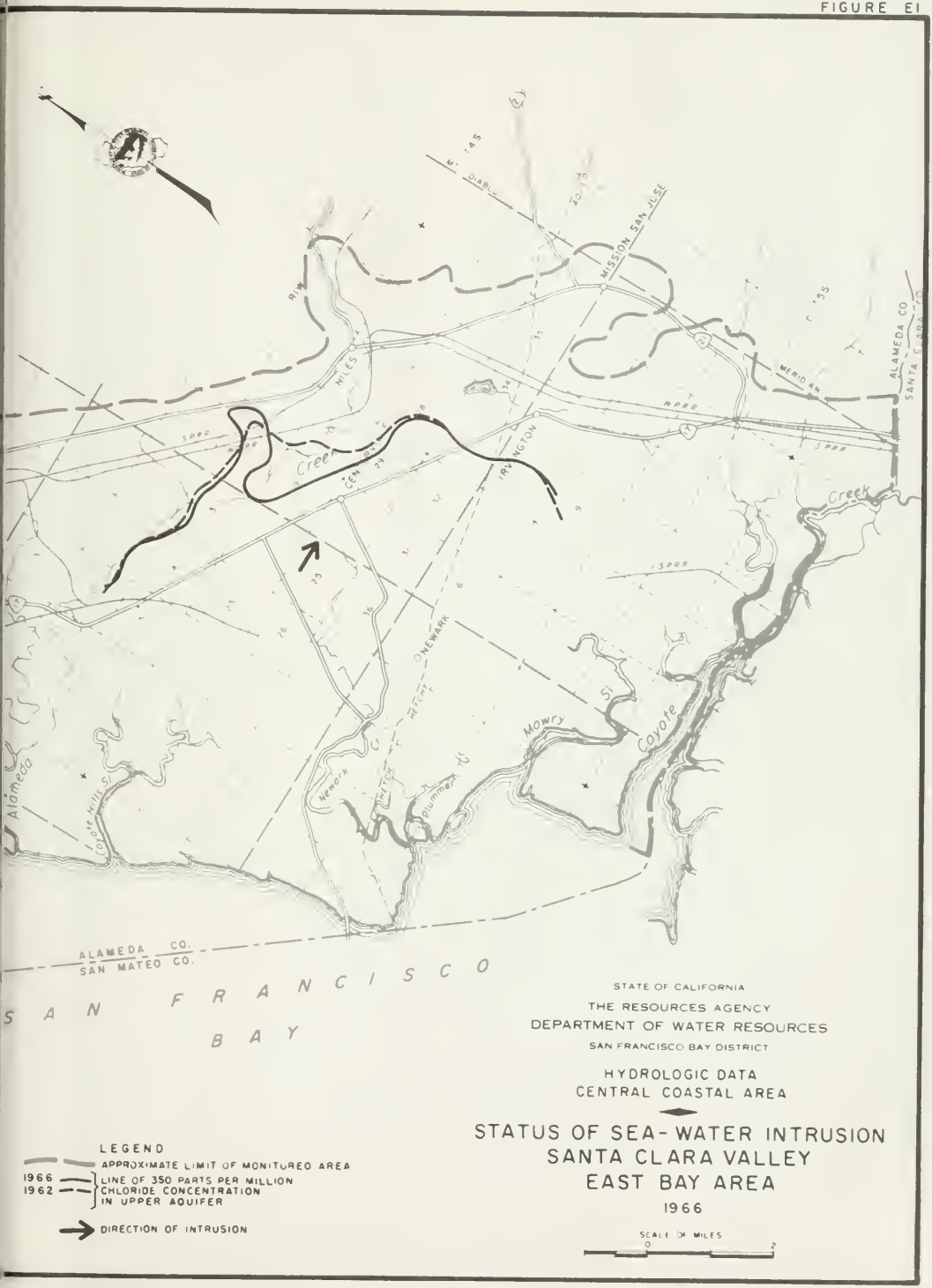
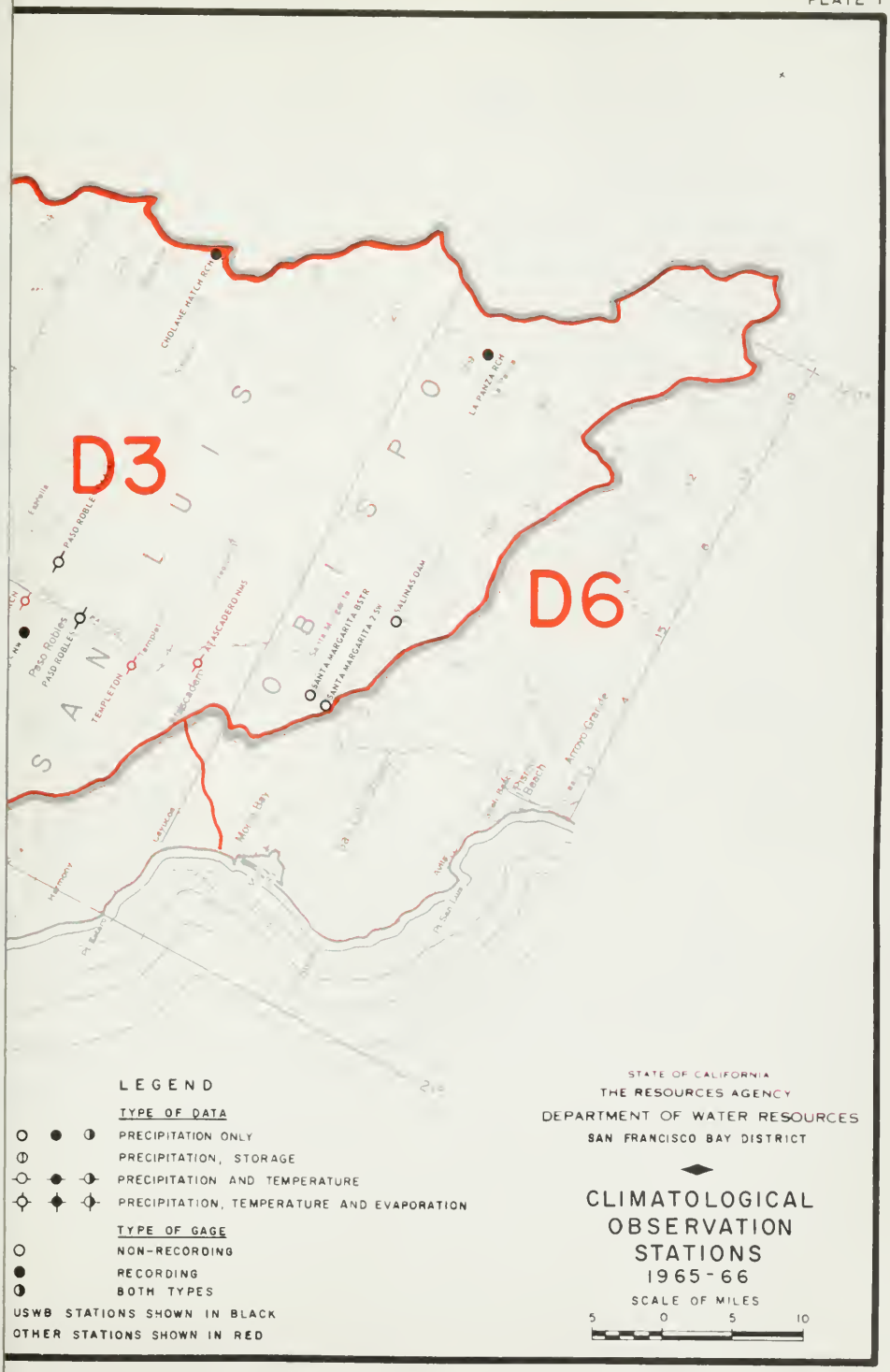
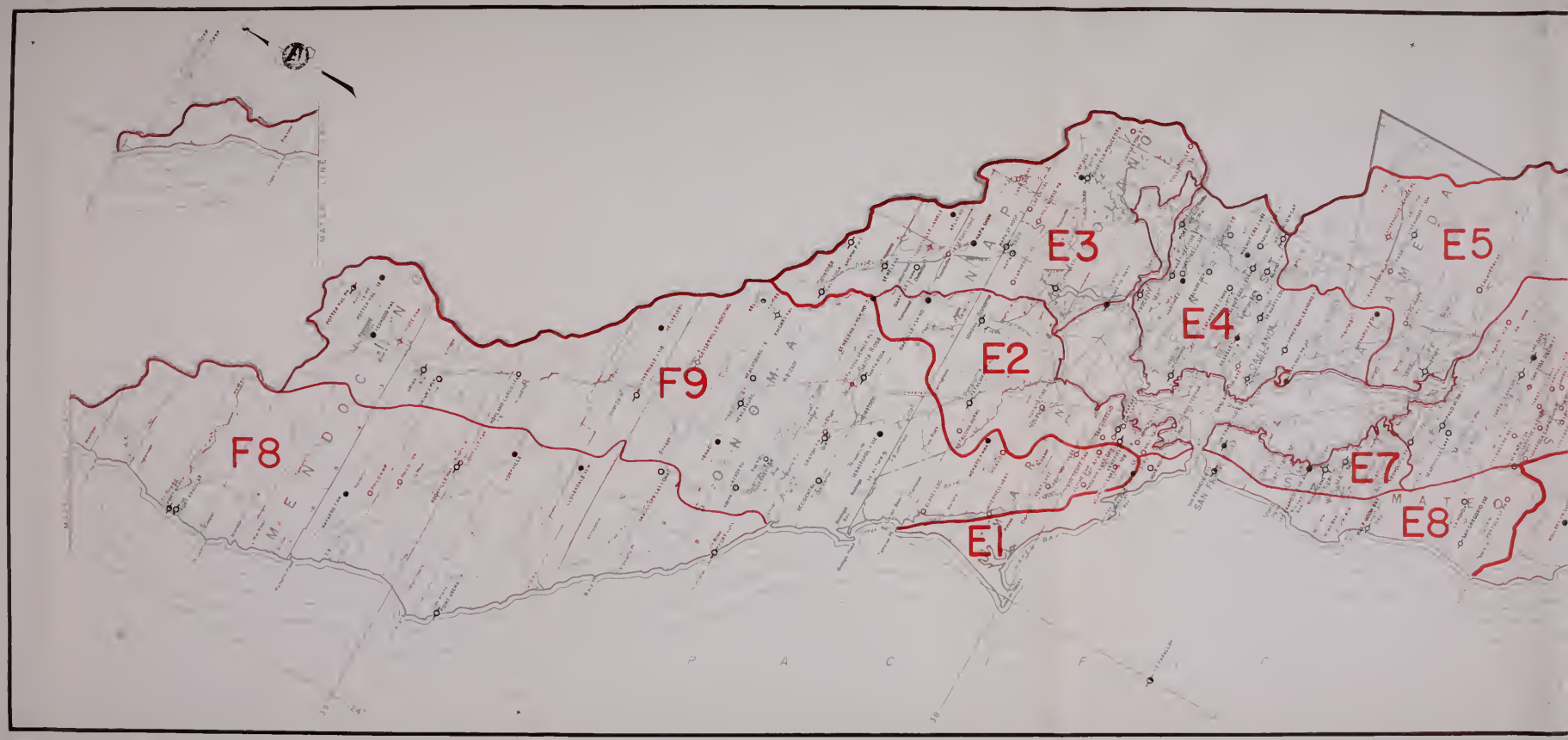

CONTRA COSTA CO
ALAMEDA CO
BASE LINE
T1S
T2S
R3W
OPIEDMONT
Temescal Lake
Lake Chabot
SAN LEANDRO
San Leandro
N.P.R.R.
OAKLAND
Lake Merritt
SAN LORENZO
San
ALAMEDA
S.P.R.R.
SAN FRANCISCO CO.
ALAMEDA CO
SAN MATEO CO
S A N F R A N C I S C O
B A Y
LEGEND
APPROXIMATE LIMIT OF MONITORED AREA
1966
1962
LINE OF 350 PARTS PER MILLION CHLORIDE CONCENTRATION IN UPPER AQUIFER
DIRECTION OF INTRUSION
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT
HYDROLOGIC DATA
CENTRAL COASTAL AREA
STATUS OF SEA-WATER INTRUSION
SANTA CLARA VALLEY
EAST BAY AREA
1966
SCALE OF MILES
1 0 1 2

FIGURE E1


MISSION SAN JOSE
MERIDIAN
ALAMEDA CO
SANTA CLARA CO
NILES
IRVINGTON
NEWARK
Creek
Coyote
Mowry
Newark
Plummer
Alameda
Coyote Hills
ALAMEDA CO.
SAN MATEO CO.
SAN FRANCISCO BAY
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT
HYDROLOGIC DATA
CENTRAL COASTAL AREA
STATUS OF SEA-WATER INTRUSION
SANTA CLARA VALLEY
EAST BAY AREA
1966
LEGEND
APPROXIMATE LIMIT OF MONITORED AREA
1966
1962
LINE OF 350 PARTS PER MILLION CHLORIDE CONCENTRATION IN UPPER AQUIFER
DIRECTION OF INTRUSION
SCALE OF MILES
0
2


D3
D6
SAN LUIS OBISPO
CHOLAME HATCH RCH
LA PANZA RCH
PASO ROBLES
Paso Robles
PASO ROBLES
TEMPLETON
ASCADERO NWS
SANTA MARGARITA 8STR
SANTA MARGARITA 7 SW
SALINAS DAM
Morro Bay
Arroyo Grande
LEGEND
TYPE OF DATA
PRECIPITATION ONLY
PRECIPITATION, STORAGE
PRECIPITATION AND TEMPERATURE
PRECIPITATION, TEMPERATURE AND EVAPORATION
TYPE OF GAGE
NON-RECORDING
RECORDING
BOTH TYPES
USWB STATIONS SHOWN IN BLACK
OTHER STATIONS SHOWN IN RED
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT
CLIMATOLOGICAL OBSERVATION STATIONS
1965-66
SCALE OF MILES
5 0 5 10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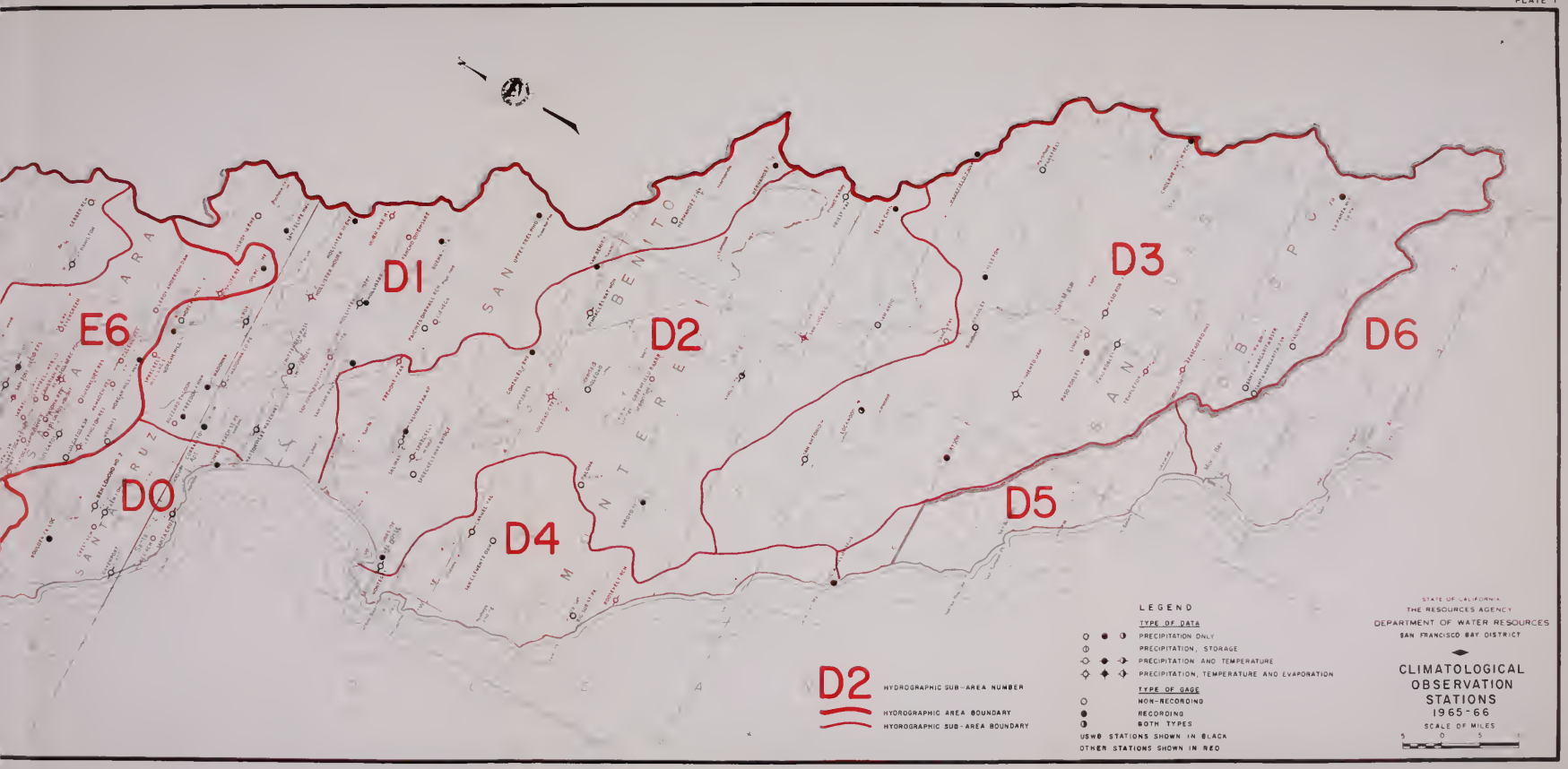
E5
E4
E2
F9
F8
E7
E8
E1
M E N D O C I N
S O N O M A
N A P A
S O L A N O
C O N T R A
A L A M E D A
M A T E O
P A C I F I C


E6
D0
D1
D2
D3
D4
D5
D6
SANTA CRUZ
SAN BENITO
MONTEREY
SAN LUIS OBISPO
D2 HYDROGRAPHIC SUB-AREA NUMBER
HYDROGRAPHIC AREA BOUNDARY
HYDROGRAPHIC SUB-AREA BOUNDARY
LEGEND
TYPE OF DATA
PRECIPITATION ONLY
PRECIPITATION, STORAGE
PRECIPITATION AND TEMPERATURE
PRECIPITATION, TEMPERATURE AND EVAPORATION
TYPE OF GAGE
NON-RECORDING
RECORDING
BOTH TYPES
USWB STATIONS SHOWN IN BLACK
OTHER STATIONS SHOWN IN RED
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT
CLIMATOLOGICAL OBSERVATION STATIONS 1965-66
SCALE OF MILES
5 0 5

NORTH

1-14.00
1-15.00
1-16.00
1-17.00
1-18.00
1-18.01
1-18.02
1-98.00

SAN FRA

2-1.00
2-2.00
2-2.01
2-2.02
2-3.00
2-4.00
2-5.00
2-6.00
2-9.00
2-9.01
2-9.02
2-10.00
2-22.00
2-24.00
2-26.00

EGEND

ATER QUALITY CONTROL
ARD REGION NUMERAL

ATER QUALITY CONTROL
ARD REGION BOUNDARY

ROUND WATER BASIN OR UNIT

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT

GROUND WATER BASINS OR UNITS IN THE CENTRAL COASTAL AREA 1966

SCALE OF MILES
5 0 5 10

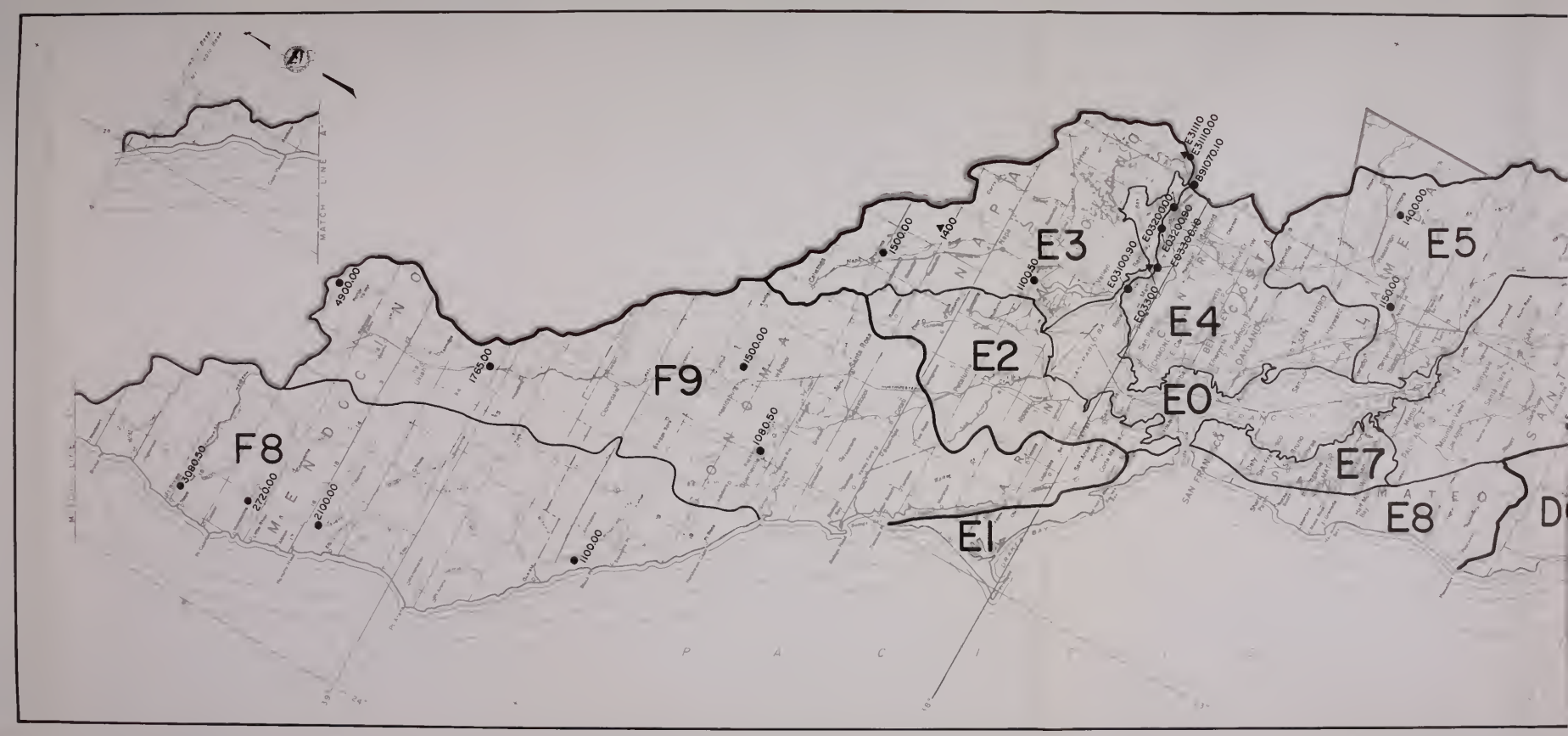
MENDOCINO
SONOMA
NAPA
MARIN
SAN FRANCISCO
PACIFIC
1
2
5
14.00
15.00
16.00
17.00
18.02
18.01
38.00
2.01
2.02
1.00
3.00
4.00
6.00
5.00
10.00
9.01
22.00
24.00
25.00

SANTA ANA
SAN BENITO
SAN LUIS OBISPO
SANTA CRUZ
MONTEREY
PACIFIC OCEAN
9.02
3.01
3.02
2.00
1.00
25.00
25.00
4.09
4.02
4.01
4.08
4.10
7.00
4.03
4.04
4.05
4.06
3
LEGEND
1
WATER QUALITY CONTROL BOARD REGION NUMERAL
WATER QUALITY CONTROL BOARD REGION BOUNDARY
2.00
GROUND WATER BASIN OR UNIT
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT
GROUND WATER BASINS OR UNITS
IN THE
CENTRAL COASTAL AREA
1966
SCALE OF MILES
5 0 5 10

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT

SURFACE WATER STATIONS
IN THE
CENTRAL COASTAL AREA
1966

SCALE OF MILES
5 0 5 10


F8
F9
E1
E2
E3
E4
E5
E0
E7
E8
D
MATCH LINE A
MENDOCINO
SONOMA
NAPA
SOLANO
CONTRA COSTA
ALAMEDA
SAN MATEO
SANTA CLARA
OAKLAND
SAN FRANCISCO
PACIFIC
4900.00
1765.00
1500.00
1080.50
1100.00
3080.50
2220.00
2100.00
1500.00
1400
1100.50
E03100.90
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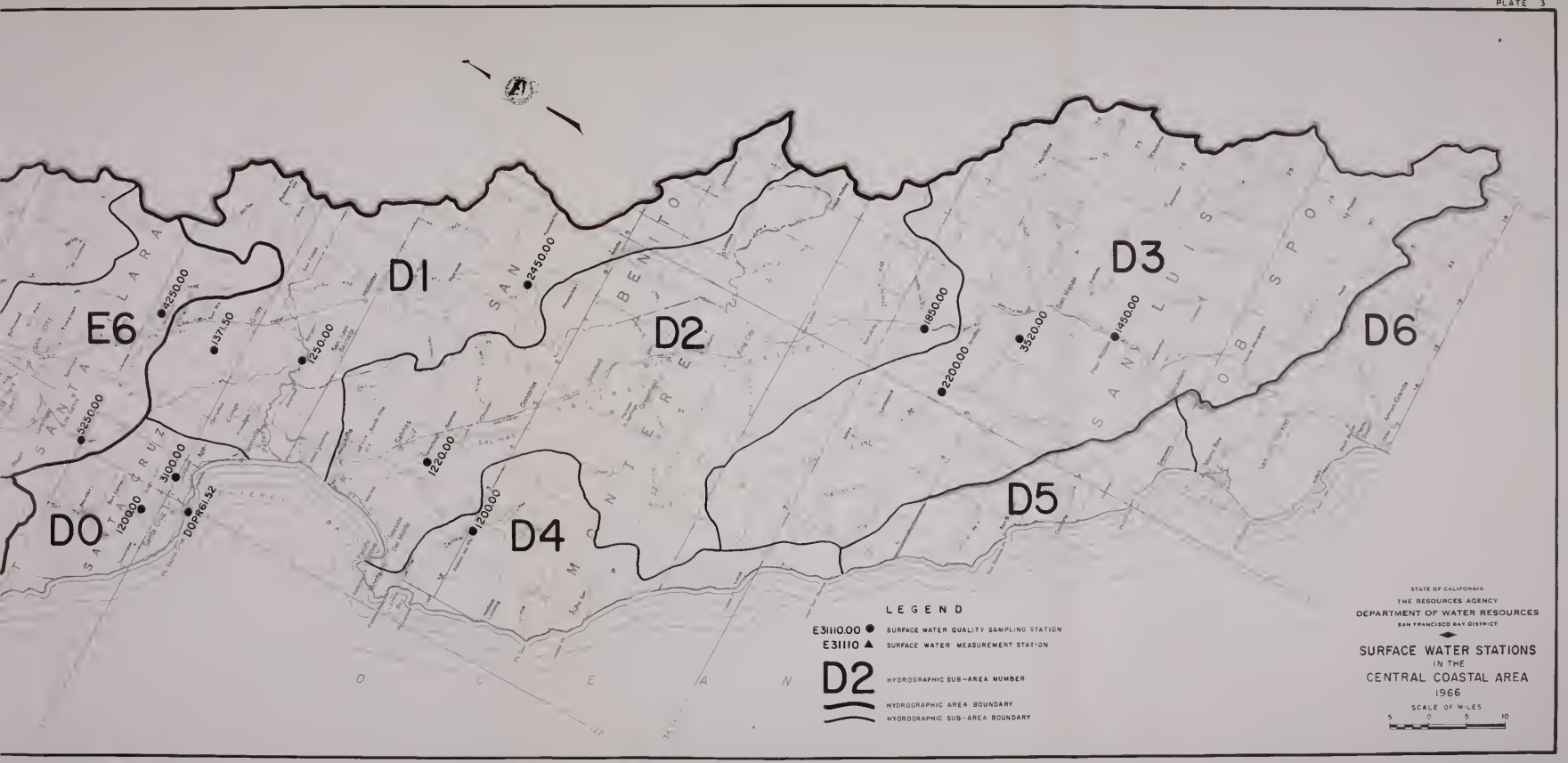
D0
D1
D2
D3
D4
D5
D6
E6
SANTA CRUZ
SANTA CLARA
SAN BENITO
MONTEREY
SAN LUIS OBISPO
OCEAN
4225.00
1371.50
1725.00
2450.00
5525.00
3100.00
1200.00
DOPR61.52
1220.00
1200.00
1850.00
2200.00
3520.00
1450.00
LEGEND
E31110.00 SURFACE WATER QUALITY SAMPLING STATION
E31110 SURFACE WATER MEASUREMENT STATION
D2 HYDROGRAPHIC SUB-AREA NUMBER
HYDROGRAPHIC AREA BOUNDARY
HYDROGRAPHIC SUB-AREA BOUNDARY
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SAN FRANCISCO BAY DISTRICT
SURFACE WATER STATIONS
IN THE
CENTRAL COASTAL AREA
1966
SCALE OF MILES
5 0 5 10

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