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BULLETIN No. 130-67

HYDROLOGIC DATA: 1967

Volume III: CENTRAL COASTAL AREA

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JUNE 1969

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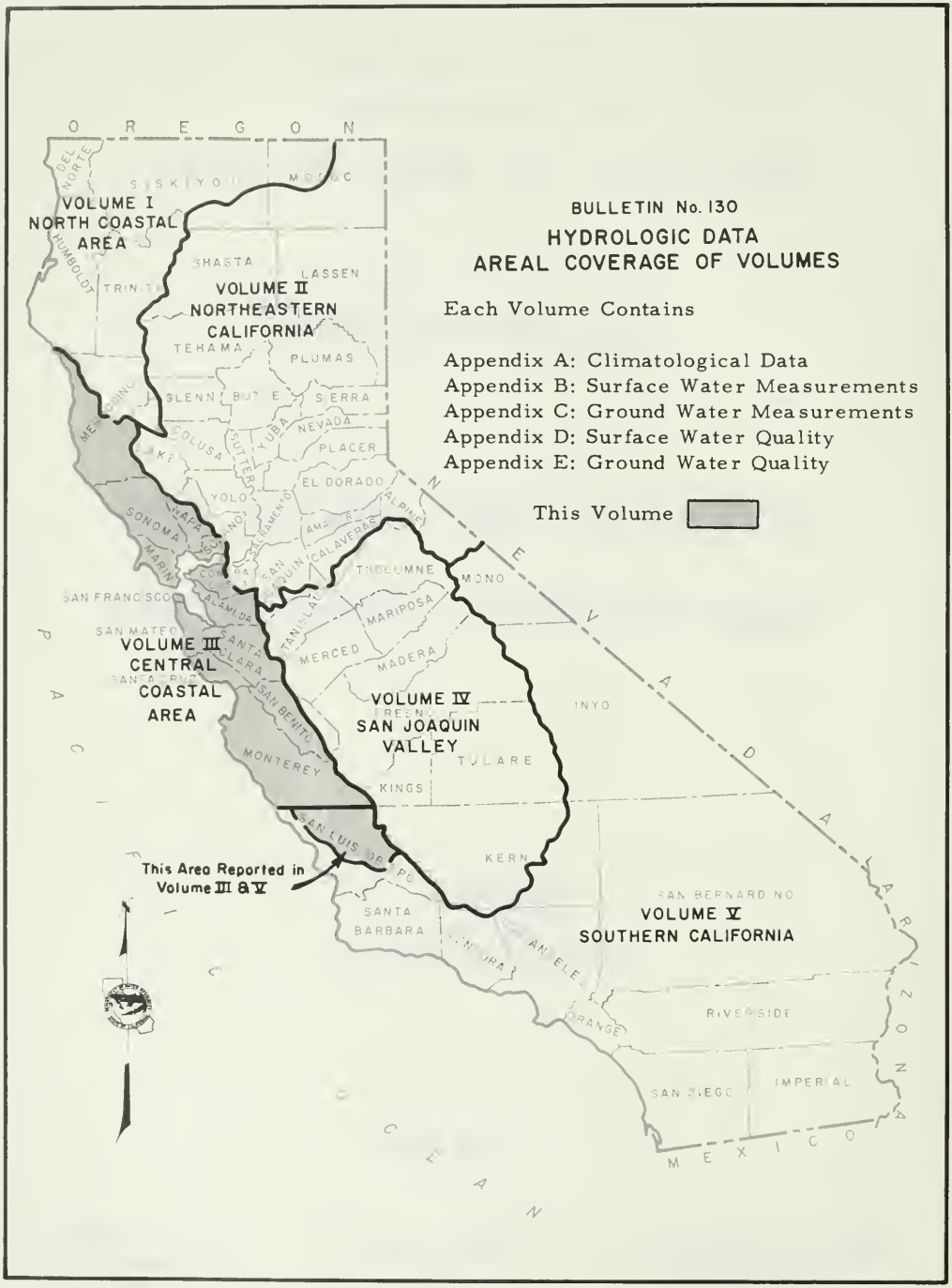
BULLETIN No. 130
HYDROLOGIC DATA
AREAL COVERAGE OF VOLUMES
Each Volume Contains
Appendix A: Climatological Data
Appendix B: Surface Water Measurements
Appendix C: Ground Water Measurements
Appendix D: Surface Water Quality
Appendix E: Ground Water Quality
This Volume
VOLUME I
NORTH COASTAL
AREA
VOLUME II
NORTHEASTERN
CALIFORNIA
VOLUME III
CENTRAL
COASTAL
AREA
VOLUME IV
SAN JOAQUIN
VALLEY
VOLUME V
SOUTHERN CALIFORNIA
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KINGS
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LOS ANGELES
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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. 130-67 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
May 5, 1969

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 kilometers
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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State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES

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NORMAN B. LIVERMORE, JR., Secretary for Resources
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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

North Coastal Water Quality Control Board

San Francisco Bay Regional Water Quality Control Board

Central Coastal Regional Water Quality Control Board

State Water Resources Control Board

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 Flodd 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 during the 1966-67 water year, and waste water from July 1, 1965, through September 30, 1967, in the Central Coastal Area. Figures show the status of sea water intrusion in the Santa Clara Valley East Bay area, average depth to water in wells, specific conductance in Alameda Creek near Niles, and waste water discharge locations. Plates show locations 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, 1966 to September 30, 1967. Fourteen cooperating agencies and twenty-eight 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 are 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	E0	San Francisco Bay	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-Sonoma		
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:

40-Acre Tract - 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

Base and Meridian - The code for this column is as follows:

M - Mount Diablo Base and Meridian

Cooperator Number - This number is assigned from the following list:

000	Private Cooperator
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
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

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

County - 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 1966-67

CENTRAL COASTAL AREA

Station Number	Station Name	Elevation (in Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude ° ' "	Longitude ° ' "	Cooperator Number	Cooperator's Station Number	Record Began	Record Ended	Years Missing	County Code
E6 0053	ALAMITOS PERC POND	185					M	37 15 18	121 52 18	414		1959			43
E4 0064	ALAMO 1 N	410	SEC 12	T01S	R02W		M	37 52	122 02	900		1952			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 0676	BEN LOMOND NO 2	375	SEC 04	T10S	R02W		M	37 06 00	122 05 00	900		1965	1967		44
D0 0677	BEN LOMOND NO 3	720	SEC 10	T10S	R01W		M	37 05 00	122 04 00	900		1967			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 ALLEY RANCH	1753	SEC 12	T26S	R16E		M	35 43 00	120 15 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	SEC 12	T11S	R02E		M	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					M	38 12 00	122 18 00	900		1955			28
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	74	SEC 25	T18N	R17W		M	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					M	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	190	SEC 20	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	[illegible]		1939			49
E8 3714	HALF MOON BAY	60	SEC 29	T05S	R05W		M	37 28 00	122 26 00	[illegible]		1965			41
D3 3722	HAMES VALLEY	725	SEC 32	T23S	R10E					00[illegible]		1963			27

TABLE A-1

INDEX OF CLIMATOLOGICAL STATIONS FOR 1966-67

CENTRAL COASTAL AREA

Station Number	Station Name	Elevation (in Feet)	Section	Township	Range	40-Acre Tract	Base & Meridian	Latitude ° ' "	Longitude ° ' "	Cooperator Number	Cooperator's Number Number	Record Began	Record Ended	Years Missing	County Code
E4 3863	HAYWARD 6 ESE	715	SEC 21	T03S	R01W		M	37 39 00	121 59 00	900		1940			60
F9 3875	HEALDSBURG	101	SEC 19	T09N	R09W		M	38 37	122 50	900		1877			49
F9 3878	HEALDSBURG NO 2	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 4025	HOLLISTER 2	284		T12S	R05E		M	36 51 00	121 24 00	900		1938			35
D1 4035	HOLLISTER 10 ENE	2578	SEC 08	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					M	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	90					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	780	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 4994-01	LIVERMORE COUNTY F D	490	SEC 17	T03S	R02E		M	37 40 00	121 46 00	000		1966			60
E5 4996	LIVERMORE SEWAGE PLT	408	SEC 12	T03S	R01E	A	M	37 41 45	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
E6 5123	LOS GATOS	428		T08S	R01W		M	37 13 00	121 59 00	900		1885			43
E6 5123-04	LOS GATOS WRIGHT	1610	SEC 26	T09S	R01W	H	M	37 07 24	121 56 00	000		1947			43
DO 5125	LOS GATOS 4 SW	2400	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					M	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	385		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	SEC 16	T09S	R02E		M	37 09 00	121 46 00	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	MOUNT 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					M	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 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	SEC 18	T15N	R15W		M	39 10 00	123 34 00	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	37 35 00	121 58 00	000		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					M	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
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	255	SEC 23	T06S	R01E	L	M	37 24 00	121 49 54	426					43

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INDEX OF CLIMATOLOGICAL STATIONS FOR 1966-67

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
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		M	39 01 00	123 37 00	000					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			31
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					M	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					M	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	1380	SEC 08	T30S	R14E		M	35 20 00	120 30 00	900		1942			40
D2 7673	SALINAS DE DAMPIERRE	125	SEC 13	T14S	R03E	P	M	36 42 30	121 35 06	806		1960			27
E2 7707-01	SAN ANSELMO	100					M	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	NPGS18	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	32		T02S	R06W		M	37 46 00	122 30 00	900		1948			80
E7 7769	SAN FRANCISCO WB AP	8					M	37 37 00	122 23 00	900		1928			41
E7 7772	SAN FRANCISCO F O B	52					M	37 47 00	122 25 00	900		1931			80
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					M	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	1966		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					M	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
F9 7964	SANTA ROSA SEWAGE PLT	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						M			809					43
E6 7998-03	SARATOGA KRIEGE			T08S	R02W		M	37 15 00	122 02 00	414		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 43 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	70	SEC 18	T05N	R05W		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			81
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		M	36 37	121 39	000		1911			27
E6 8447	SPRECKELS HILL LAG SE	255	SEC 24	T08S	R02E		M	37 12 00	121 43 22	414		1961			43
E6 8519	STEVENS CREEK RES	600	SEC 28	T07S	R02W	H	M	37 18 00	122 05 00	414		1931			43
D1 8680	SUNSET BEACH ST PARK	85		T12S	R01E		M	36 54 00	121 50 00	900		1956			44
E2 8779	TAMALPAIS VALLEY	250					M	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	900		1962			41

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INDEX OF CLIMATOLOGICAL STATIONS FOR 1966-67

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
F9 9122	UKIAH	623	SEC 17	T15N	R12W		M	39 09 00	123 12 00	900		1877			23
F9 9124	UKIAH 4 WSW	1900	SEC 27	T15N	R13W		M	39 08 00	123 16 00	900		1951		07	23
E4 9185	UPPER SAN LEANDRO FIL	390	SEC 11	T02S	R03W	C	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					M	37 54 00	121 59 00	900		1954			07
D1 9473	WATSONVILLE WATERWKS	95					M	36 56 00	121 46 00	900		1880			44
D0 9675	WILDER RANCH	50					M	36 57 36	122 05 24	000		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	SEC 22	T02N	R07W	K	M	38 00 24	122 38 30	808	049770	1950			21
E6 9814	WRIGHTS	1600	SEC 23	T09S	R01W		M	37 08 00	121 57 00	900		1918			43
F8 9851	YORKVILLE	1100	SEC 08	T12N	R12W		M	38 54 00	123 14 00	900		1939			23
E3 9861	YOUNTVILLE GAMBLE	120	SEC 24	T07N	R05W	P	M	38 26 05	122 22 05	806		1962			28

Precipitation Data

Abbreviations and symbols used in connection with precipitation data are as follows:

RE - Record ends.

RB - Record begins.

T - Trace.

E - Estimated.

-- - No record or record incomplete.

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PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																
	Total July 1 To June 30	1966						1967									Total Oct. 1 To Sept. 30
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	
CENTRAL COASTAL AREA																	
SANTA CRUZ (DC)																	
Ben Lomond No 2	71.07	0.24	T	0.30	0.00	12.07	11.13	20.16	0.35	14.55	10.07	0.00	2.20	0.00	RE		
Ben Lomond No 3															RB	0.00	--
Boulder Ck Locatelli	--	0.00	0.00	0.25	0.00	15.77	11.12	--	0.80	14.99	10.44	0.70	3.67	0.00	0.00	0.00	--
Corralitos	29.34E	0.00	0.00	0.00	0.00	5.51E	4.98	5.86	0.35	5.62	5.20	0.53	1.29	0.00	0.00	0.00	29.34E
Crest Ranch	90.69	0.15	0.05	0.50	0.00	17.75	11.73	27.89	1.14	15.23	11.85	0.72	3.68	0.00	0.00	0.00	89.99
Davenport	37.11	0.08	0.14	0.32	0.00	6.33	6.14	9.46	0.34	5.19	6.95	0.10	2.06	0.00	0.00	T	36.57
Los Gatos 4SW	62.27	0.48	0.10	0.50	0.00	12.22	9.00	13.25	0.75	13.97	9.95	0.33	1.72	0.00	T	0.00	61.19
Santa Cruz	40.57	0.32	0.10	0.15	0.05	6.17	6.87	8.74	0.74	7.26	8.26	0.40	1.51	0.00	0.00	0.00	40.00
Sunset Beach St Park	28.27	0.55	0.00	0.14	0.00	4.52	4.42	5.44	0.35	5.51	5.76	0.40	1.13	0.00	0.00	0.00	27.58
Wilder Ranch	38.21	0.24	0.06	0.09	0.00	6.78	6.52	8.51	0.67	6.51	6.78	0.27	1.78	--	--	--	--
PAJARO-SAN BENITO RIVERS (D1)																	
Buena Vista	--	0.63	0.00	0.58	0.00	2.36	4.38	3.76	0.43	--	--	0.20	0.21	0.00	0.00	--	--
Buzzard Lagoon	55.33	0.00	0.00	0.23	0.00	9.24	8.26	14.35	0.77	11.00	8.34	0.91	1.73	0.00	0.00	0.00	55.10
Chittenden Pass	31.94	0.22	0.00	0.10	0.06	4.05	5.58	6.92	0.34	5.46	7.73	0.26	1.22	0.00	T	T	31.62
Chittenden	28.18	0.20	0.00	0.09	0.00	3.85	2.83	6.74	0.31	5.20	7.44	0.28	1.24	0.00	0.00	T	27.89
Cienega	26.05	0.51	0.00	0.42	0.00	3.06	5.37	5.39	0.36	4.57	6.20	0.14	0.03	0.00	0.00	0.36	25.48
Freedom 8NNW	--	0.34E	0.00	0.00	0.00	7.36E	9.69	--	0.48	12.13	8.45	--	--	0.00	0.00	0.00	--
Gilroy	32.62	0.38	0.00	0.15	0.00	4.29	5.69	8.00	0.20	6.07	6.70	0.23	0.91	0.00	T	0.01	32.10
Gilroy 14 ENE	31.80	0.30	0.00	0.04	0.00	4.12	5.99	8.71	0.22	*	11.27	0.39	0.76	0.00	0.00	0.00	31.46
Hernandez 2 NW	23.03	0.65	0.00	0.74	0.00	2.72	4.87	4.49	0.52	4.23	4.48	0.28	0.05	0.00	0.00	0.65	22.29
Hernandez 7 SE	30.17	0.68	0.00	0.74	0.00	2.86	8.86	5.32	0.55	6.19	4.78	0.10	0.09	0.00	0.10	0.49	29.34
Hollister	18.90	0.43	T	0.17	0.00	1.75	3.94	4.08	0.38	3.18	4.36	0.19	0.42	0.00	T	0.01	18.31
Hollister 2	--	0.43	0.00	0.3	0.0	1.7	4.1	4.2	0.4	3.0	--	0.2	0.3	0.0	0.0	0.0	--
Hollister 10 ENE	--	0.53	0.00	0.18	0.00	3.60	6.37	--	--	4.80	9.57	0.52	0.57	0.00	0.00	0.00	--
Morgan Hill 2 E	31.04	0.32	0.00	0.15	0.00	4.88	4.01	8.81	0.18	6.59	5.36	0.20	0.54	0.00	0.00	T	30.57
Morgan Hill SCS	34.4	0.3	0.0	0.1	0.0	5.2	5.2	10.5	0.2	7.3	5.0	0.1	0.5	0.0	0.0	0.0	34.0
Mount Madonna	50.34	0.31	0.00	0.26	0.00	7.48	8.43	13.97	0.63	8.77	7.47	0.75	2.27	0.00	0.00	0.00	49.77
Mount Madonna Co Pk	49.57	0.35	0.00	0.16	0.08	7.36	7.65	12.82	0.62	8.11	9.58	0.72	2.12	0.02	0.01	0.04	49.13
Paicines Ohrwall Rch	22.55	0.36	T	0.32	0.00	2.12	5.54	4.75	0.38	3.62	5.24	0.12	0.10	0.00	0.00	0.15	22.02
Quien Sabe Hay Comp	25.45	0.56	0.00	0.28	0.00	2.68	5.42	4.59	0.61	3.56	7.02	0.32	0.41	0.00	0.05	0.04	24.70
Rancho Quien Sabe	25.52	0.56	0.00	0.28	0.00	3.09	5.03	4.64	0.54	4.18	6.55	0.24	0.41	0.00	0.00	0.00	24.68
San Benito	17.40	0.42	0.00	0.26	0.00	2.10	3.62	3.71	0.46	3.12	3.45	0.18	0.08	0.00	0.00	0.25	16.97
San Felipe Hghwy Stn	--	--	0.00	--	0.00	--	--	5.69	--	--	5.14	0.11	0.66	0.00	0.00	0.00	--
San Juan Bautist 3 SSE	--	0.25	0.00	0.19	0.00	2.78	5.08	5.82	0.47	4.44	7.10	--	--	0.00	0.00	0.00	--
San Juan Bautista Mi	27.57	0.23	0.03	0.25	0.00	3.02	5.78	5.90	0.31	4.27	7.03	0.27	0.48	0.00	0.00	0.05	27.11
Spreckels Hill Lag Se	27.63	0.32	0.00	0.22	0.00	4.02	3.72	8.01	0.25	6.30	4.59	0.06	0.14	0.00	0.00	T	27.09

*Amount included in following measurement. Time distribution unknown.

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																	
	Total July 1 To June 30	1966						1967										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 (D1) (CONT.)																		
Upper Tres Pinos	--	0.40E	0.00	0.40	0.00	1.98	3.74	4.66	0.31	3.39	3.43	0.22	--	0.00	0.00	0.20	--
Watsonville Waterwks	32.77	0.32	T	0.08	0.04	4.77	5.17	7.34	0.36	6.42	6.67	0.31	1.29	0.00	0.00	0.00	32.37
LOWER SALINAS RIVER (D2)																		
Arroyo Seco	--	0.35	0.00	0.60E	0.00	4.34E	11.25	6.28	0.49	7.71	--	0.24	0.17	0.00	0.00	0.18	--
Del Monte	18.05	0.17	0.00	0.18	0.00	2.81	2.67	2.97	0.32	2.84	5.33	0.15	0.61	0.00	0.00	0.14	17.84
Fremont Peak	35.77	0.18	0.00	0.28	0.07	3.37	7.77	7.24	0.67	5.48	0.12	0.79	0.80	0.00	0.00	0.12	35.43
Gonzales 9 ENE	--	0.40	0.00	0.22	0.00	1.67	3.13	3.67	0.35	2.60	5.03	0.21	--	0.00	0.00	0.06	--
Greenfield Baker	13.31	0.18	0.00	0.11	0.00	1.14	2.68	2.65	0.25	1.78	4.18	0.13	0.16	0.00	0.00	0.62	13.64
Hames Valley	20.92	0.26	0.00	1.00	0.00	2.51	4.17	3.17	0.34	4.16	4.97	0.25	0.09	0.00	0.00	0.54	20.20
King City	15.12E	0.00	0.00	0.21	0.00	1.75	3.20	3.30	0.40E	2.80	3.26	0.15	0.05	0.00	0.00	0.49	15.40E
Monterey	29.99	0.28	0.09	0.32	0.09	4.74	4.18	5.29	0.45	5.48	7.11	0.40	1.56	0.02	0.06	0.17	29.55
Paloma	30.70	0.46	0.09	0.20	0.01	3.54	5.79	5.64	0.32	6.21	7.45	0.53	0.46	T	0.00	0.69	30.64
Pinnacles Nat Mon	23.03	0.47	0.00	0.23	0.00	2.53	3.25	5.29	0.39	3.30	7.22	0.20	0.15	0.00	0.00	0.14	22.47
Priest Valley	32.97	1.00	0.00	0.48	0.00	3.31	8.27	5.52	0.75	7.09	5.94	0.51	0.10	0.00	0.04	0.11	31.64
Salinas 2 E	20.39	0.23	0.00	0.18	0.00	2.23	3.73	4.40	0.33	2.93	5.69	0.09	0.58	0.00	0.00	0.16	20.14
Salinas FAA Ap	19.08	0.23	0.03	0.23	T	2.02	3.62	3.89	0.34	2.44	5.66	0.07	0.55	0.00	T	0.15	18.74
Salinas de Dampierre	22.17	0.23	0.03	0.33	0.00	2.22	4.21	4.09	1.08	3.06	6.05	0.60	0.27	T	T	0.15	21.73
San Ardo	16.92	0.17	0.00	0.44	0.00	2.20	3.84	2.98	0.22	3.08	2.97	0.33	0.69	0.00	0.00	0.34	16.65
Slack Canyon	22.57	0.00	0.00	0.25	0.00	2.82	5.76	3.83	0.48	4.56	4.52	0.20	0.15	0.00	0.00	0.18	22.50
Soledad	14.52	0.25	0.00	0.06	T	1.28	2.88	2.93	0.35	2.45	4.03	0.15	0.14	0.02	0.00	0.05	14.28
Soledad CTF	14.83	0.19	0.00	0.53	0.00	1.17	3.18	2.93	0.26	1.81	4.45	0.05	0.26	0.00	0.00	0.03	14.14
Spreckels Hwy Bridge	18.88	0.70	0.00	0.30	0.00	2.15	3.04	3.55	0.51	2.61	5.34	0.10	0.58	0.00	0.00	0.21	18.00
Spreckels	18.53	0.54	0.00	0.28	0.00	1.80	3.29	3.78	0.50	2.76	4.97	0.08	0.53	0.00	0.00	0.27	17.08
UPPER SALINAS RIVER (D3)																		
Atascadero Maint Stn	28.87	0.04	0.00	0.29	0.00	0.00	9.93	5.18	0.70	6.74	5.90	0.09	0.00	0.00	0.00	0.70	29.24
Bradley	15.55	0.15	0.00	0.06	0.00	1.40	3.98	2.75	0.30	2.68	4.13	0.10	0.00	T	0.00	0.35	15.69
Bryson	40.46	0.22	0.00	0.20	0.00	4.11	13.24	7.49	0.80	7.86	6.13	0.41	0.00	0.00	0.00	0.39	40.43
Cholame Alley Ranch	--	0.19	0.00	0.13	0.00	1.26	4.67	1.13	0.33	--	3.59	0.00	0.00	0.00	0.00	0.40	--
La Panza Ranch	--	0.08	0.00	0.71	0.00	1.40	4.98	2.61	0.26	--	--	--	0.00	0.00	0.00	0.50	--
Linn Ranch	24.69	0.10	0.00	0.08	0.00	2.70	7.64	4.15	0.31	5.57	4.14	0.00	T	0.02	0.00	0.68	25.21
Lockwood 2N	20.31	0.22	0.00	0.90	0.00	2.61	4.55	3.58	0.40	3.53	4.44	0.08	0.00	0.00	0.00	0.28	19.47
Nacimiento Dam	25.56	0.30	0.00	0.27	0.00	2.76	7.90	4.22	0.45	4.62	4.94	0.08	0.02	0.07	0.00	0.48	25.54
Parkfield	22.40	0.24	0.00	0.15	0.00	1.85	6.31	3.66	0.82	3.76	5.41	0.20	0.00	0.00	0.00	1.75	23.76
Parkfield 7 NNW	--	0.53	0.00	0.14E	0.00	1.90	4.46	--	0.27	2.68	3.37	0.26	0.02	0.00	0.00	1.05	--

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																
	Total July 1 To June 30	1966						1967									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 (D3) (CONT.)																	
Paso Robles	23.95	0.08	0.00	0.11	0.00	2.43	8.60	3.93	0.35	3.99	4.41	0.03	0.02	T	0.00	0.79	24.55
Paso Robles 5 NW	25.46	0.10	0.00	0.07	0.00	3.09	8.12	4.45	0.33	4.54	4.73	0.00	0.03	0.00	0.00	1.06	26.35
Paso Robles FAA Ap	21.18	0.17	T	0.16	0.00	2.77	6.79	3.12	0.33	3.32	4.51	0.01	T	0.02	0.00	0.28	21.15
Salinas Dam	35.89	0.05	0.00	1.13	0.00	3.23	10.61	6.32	0.94	6.38	6.68	0.15	0.40	0.00	0.00	1.11	35.82
San Antonio Mission	29.83	0.23	0.00	0.13	0.00	3.55	10.63	5.21	0.51	5.17	4.12	0.16	0.12	0.00	0.00	0.80	30.27
Santa Margarita 2 SW	50.45	0.13	0.00	0.67	0.03	5.75	14.93	8.87	0.97	8.59	9.73	0.33	0.45	0.00	0.00	1.21	50.86
Santa Margarita Bstr	51.60	0.14	0.00	0.61	0.01	5.56	15.94	8.92	0.98	8.79	9.93	0.29	0.43	T	0.00	1.32	52.17
Templeton	28.83	0.04	0.00	0.10	T	3.32	9.86	5.20	0.56	4.68	4.97	0.06	0.04	0.00	0.00	0.62	29.31
Valleton	--	0.22	0.00	0.19	0.00	1.96	3.66	2.37	0.31	3.20	--	0.25	0.00	0.00	0.00	0.22	--
MONTEREY COAST (D4)																	
Big Sur State Park	60.44	0.12	T	0.23	0.00	9.60	11.89	13.94	1.09	9.34	12.41	0.68	1.14	0.00	0.00	0.18	60.27
Carmel Valley	25.17	0.31	0.00	0.23	0.00	3.13	4.89	4.89	0.51	4.55	5.70	0.24	0.72	0.00	0.00	0.10	24.73
Lucia Willow Springs	36.23	0.20	0.00	0.09	0.00	6.55	7.37	8.08	0.83	6.47	5.87	0.20	0.52	0.00	0.00	0.25	36.19
Roosevelt Ranch	46.28	0.25	T	0.23	0.00	7.38	9.38	9.42	1.16	6.87	10.10	0.63	0.86	0.00	T	--	--
San Clemente Dam	30.47	0.27	0.00	0.18	0.00	3.74	6.41	5.99	0.53	5.82	6.75	0.19	0.59	0.00	0.00	0.13	30.15

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation in Inches																	
	Total July 1 To June 30	1966						1967									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 (E0)																	
S. E. Farallon	22.43	0.00	0.15	0.46	0.00	4.37	3.77	6.39	0.09	2.71	2.48	0.11	1.90	0.00	0.00	0.04	21.86
COAST - MARTIN (E1)																	
Muir Woods	51.80	0.00	0.32	0.04	0.03	8.44	6.36	18.56	0.38	7.67	6.57	0.20	3.23	0.00	0.00	0.12	51.56
MARIN-SONOMA (E2)																	
Kentfield	74.13	0.00	0.19	0.11	0.00	14.48	10.12	26.32	0.71	10.58	7.93	0.27	3.42	0.00	0.00	T	73.83
Mill Valley	58.19	0.00	0.09	0.08	0.00	18.88	6.03	16.38	0.98	6.59	6.45	0.12	2.59	0.00	0.00	0.00	58.02
Novato Fire House	38.28	0.00	0.10	0.13	0.00	6.85	5.55	13.08	0.49	5.21	5.12	0.05	1.70	0.00	0.00	0.00	38.05
Oakville 4 SW No 2	--	0.00	0.29	0.00	0.00	10.85	8.24	--	0.50	8.73	--	0.40	3.20	0.00	0.00	0.10	--
Petaluma FS No 2	36.84	0.00	0.11	0.05	0.00	6.42	5.47	12.78	0.49	4.47	4.96	0.07	2.02	0.00	0.00	0.03	36.71
Petaluma Burns	42.66	0.00	0.28	0.05	0.00	7.60	6.80	15.16	0.45	5.67	4.54	0.14	1.97	0.00	0.00	0.03	42.36
Phoenix Lake Dam	78.00	0.00	0.22	0.08	0.00	16.71	11.14	23.09	0.88	11.37	9.73	0.30	4.48	0.00	0.00	0.00	77.70
San Anselmo	62.45	0.00	0.00	0.01	0.00	13.33	10.44	19.60	0.50	8.86	6.79	0.00	2.92	0.00	0.00	0.00	62.44
San Rafael	59.04	0.00	0.11	0.06	0.00	11.09	9.35	20.28	0.84	8.43	6.46	0.09	2.33	0.00	0.00	0.02	58.89
San Rafael No 1	59.27	0.00	0.09	0.03	0.00	11.73	8.97	21.08	0.76	8.09	6.02	0.10	2.40	0.00	0.00	0.03	59.18
Sonoma	38.64	0.05	0.07	0.10	0.00	7.50	5.54	12.64	0.34	4.23	5.69	0.20	2.28	0.00	0.00	0.02	38.44
Tamalpais Valley	48.63	0.00	0.22	0.20	0.00	8.67	6.12	17.71	0.74	6.64	7.11	0.26	1.01	0.00	0.00	0.09	48.35
Tiburon Topham	38.20	0.00	0.15	0.10	0.00	5.30	5.03	14.98	0.30	4.91	5.78	0.18	1.47	0.00	T	0.00	37.95
NAPA-SOLANO (E3)																	
Angwin PUC	57.17	0.05	0.37	0.03	0.00	11.92	8.72	17.40	0.42	8.03	6.83	0.34	3.06	0.00	0.00	0.13	56.95
Atlas Road	56.9g	0.1	0.1	0.0	0.1	11.0E	7.6E	16.7	0.6	9.5	7.7	0.3	3.2	0.0	0.0	--	--
Calistoga	49.88	T	0.27	0.09	0.00	9.53	7.97	14.82	0.35	7.68	6.45	0.50	2.22	0.00	T	0.13	49.65
Carneros Valley	46.63	0.05	0.13	0.12	0.00	7.78	5.69	15.51	0.37	7.17	6.46	0.13	3.22	0.00	0.00	0.08	46.41
Collinsville	21.46	0.13	0.09	0.13	0.00	3.18	2.85	6.13	0.52	3.55	3.70	0.10	1.08	0.00	0.00	0.03	21.14
Denverton 1S	23.89	0.12	0.10	0.13	0.00	3.99	3.58	6.94	0.44	3.36	3.86	0.44	0.93	T	0.00	0.04	23.58
Duttons Landing	33.08	0.06	0.23	0.20	0.00	5.90	4.08	10.23	0.31	5.37	4.95	0.12	1.63	0.00	0.00	0.05	32.64
Fairfield	32.23	0.10	0.20	0.17	0.00	5.58	4.63	10.33	0.30	4.44	4.84	0.32	1.32	0.00	0.00	0.07	31.83
Fairfield Police Stn	31.43	0.08	0.18	0.37	0.00	5.68	4.39	9.90	0.31	4.17	4.78	0.12	1.45	T	T	0.05	30.85
Green Valley	45.76	0.09	0.03	0.18	0.00	8.59	5.99	13.17	0.36	8.24	6.03	0.31	2.77	0.00	0.00	0.05	45.51
Lake Curry	41.53	T	0.10	0.04	0.00	8.46	6.02	12.25	0.47	7.03	4.71	0.16	2.29	0.00	0.00	0.03	41.42
Mare Island Navy	29.32	0.05	0.10	0.19	0.00	5.36	3.72	8.96	0.33	4.62	4.81	0.10	1.08	0.00	0.00	0.04	29.02
Napa 5 NNW	--	--	--	--	--	--	--	--	--	--	--	--	--	-	--	--	--
Napa State Hospital	37.12	0.04	0.18	0.06	0.00	6.61	4.55	11.65	0.46	6.08	5.42	0.12	1.95	0.00	0.00	0.09	36.93
Oakville 1 WNW	--	--	0.26	0.27	0.00	9.29	--	--	--	--	--	--	--	--	--	--	--

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																
	Total July 1 To June 30	1966						1967									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 (E3) (CONT.)																	
Saint Helena	49.12	0.05	0.32	0.23	0.00	9.83	7.13	16.91	0.38	7.13	5.01	0.24	1.89	0.00	0.00	0.10	48.62
St. Helena 4 WSW	--	0.0	0.2	0.1	0.0	11.9	8.2	17.5	0.6	9.9	7.9	--	3.5	0.0	0.0	0.1	--
Veterans Home	53.30	0.20	0.28	0.07	0.00	10.77	8.15	16.32	0.48	7.69	7.47	0.09	1.78	0.00	0.00	0.07	52.82
Wild Horse Valley	48.93	0.07	0.20	0.10	0.00	8.44	6.24	14.84	0.76	8.14	6.68	0.34	3.12	0.00	0.00	0.08	48.64
Yountville Gamble	47.82	0.00	0.28	0.06	0.01	11.02	6.77	12.08	1.72	7.14	6.13	1.30	1.31	0.00	0.42	0.31	48.21
EAST BAY (E4)																	
Alamo 1 N	35.18	0.17	0.20	0.16	T	5.04	3.93	11.53	0.32	6.85	5.75	0.38	0.85	T	T	0.03	34.68
Berkeley	33.09	0.09	0.17	0.13	0.00	4.92	4.48	10.34	0.35	5.60	5.73	0.07	1.21	0.00	0.00	0.02	32.72
Burton Ranch	34.66	0.16	0.17	0.16	T	5.61	4.03	10.44	0.54	6.32	6.09	0.25	0.89	0.00	T	0.03	34.20
Concord 3 E	24.73	0.18	0.15	0.18	0.00	3.20	2.64	7.77	0.22	4.39	5.25	0.05	0.70	0.00	0.00	0.06	24.28
Crockett	30.11	0.07	0.12	0.36	0.00	4.88	3.53	9.94	0.37	5.05	4.88	0.15	0.76	0.00	0.00	0.04	29.60
Hayward 6 ESE	36.46	0.16	0.08	0.14	0.00	5.24	3.67	11.85	0.50	6.68	6.86	0.33	0.95	0.00	0.00	0.00	36.08
Lafayette 2 NNE	35.58	0.12	0.13	0.12	0.00	5.51	4.16	11.96	0.22	7.02	5.60	0.15	0.59	0.01	T	0.00	35.22
Martinez 3S	31.65E	0.14	0.18	0.14	0.00	4.47E	4.59E	10.13	0.40	5.85	5.14	0.12	0.49	0.00	0.00	0.06	31.25
Martinez 3 SSE	32.43	0.58	0.20	0.13	T	4.62	4.34	10.23	0.33	6.29	5.06	0.09	0.56	0.00	T	0.04	31.56
Martinez Fire Stn	27.05	0.07	0.18	0.02	0.00	2.92	3.67	9.66	0.45	4.87	4.50	0.19	0.52	0.00	0.00	0.14	26.92
Mount Diablo N. Gate	33.95	0.20	0.05	0.17	0.00	5.30	4.01	12.00	0.35	5.15	5.43	0.30	0.99	0.00	0.00	0.05	33.58
Oakland 39th Ave	35.78	0.19	0.13	0.14	T	5.52	4.46	11.21	0.60	6.58	5.50	0.12	1.33	0.00	T	0.03	35.35
Oakland City Hall	--	0.01	0.08	0.13	T	4.67	3.36	--	T	4.33	5.96	0.00	--	0.00	0.00	T	--
Oakland WB AP	27.08	0.14	0.06	0.09	T	3.86	3.51	8.90	0.27	4.62	4.46	0.12	1.05	0.00	T	0.01	26.80
Port Chicago NAD	22.90	0.18	0.17	0.18	0.00	2.96	2.70	6.65	0.29	4.61	4.17	0.06	0.93	0.00	0.00	0.06	22.43
Richmond	31.11	0.05	0.08	0.14	0.00	5.93	4.64	8.21	0.38	5.32	5.14	0.07	1.15	0.00	0.00	0.02	30.86
Saint Marys College	38.59	0.15	0.17	0.16	0.00	6.47	4.29	12.24	0.59	7.31	5.93	0.28	1.00	0.00	0.00	0.04	38.15
Upper San Leandro Fil	32.49	0.15	0.14	0.15	0.00	5.03	4.18	10.20	0.37	5.23	5.80	0.09	1.15	0.00	0.00	0.02	32.07
Walmar School	33.75	0.14	0.14	0.19	0.00	4.90	2.77	12.15	0.39	6.69	5.75	0.00	0.63	0.00	0.00	0.00	33.28
Walnut Creek 2 ESE	30.48	0.16	0.17	0.17	0.00	4.91	3.54	9.39	0.24	5.59	5.43	0.20	0.68	0.00	0.00	0.04	30.02
Walnut Creek 2 ENE	27.93	0.20	0.21	0.18	0.00	4.04	3.15	9.20	0.20	4.90	4.96	0.22	0.67	0.00	0.00	0.03	27.37
Walnut Creek 4 E	27.04	0.17	0.16	0.18	0.00	4.11	2.95	8.45	0.22	4.85	5.04	0.27	0.64	T	T	0.04	26.57

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																	
	Total July 1 To June 30	1966						1967									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 (E5)																	
Calaveras Reservoir	30.42	0.27	0.00	0.21	0.00	5.33	2.51	8.39	0.66	5.88	6.62	0.33	0.22	0.00	0.00	0.00	29.94
Gerber Ranch	26.72	0.26	0.00	0.02	0.00	4.56	3.69	7.05	0.20	6.21	3.97	0.23	0.53	0.00	T	T	26.44
Livermore County FD	22.82	0.18	0.00	0.11	0.00	3.58	2.54	6.88	0.20	4.20	4.48	0.13	0.52	0.00	0.00	0.02	22.55
Livermore Sewage PH	24.42	0.18	0.00	0.11	0.00	3.75	2.78	7.44	0.28	5.12	4.31	0.08	0.37	0.00	0.00	0.03	24.16
Livermore 2 SSW	21.96	0.17	0.00	0.11	0.00	3.43	2.35	6.14	0.29	4.15	4.65	0.19	0.48	0.00	T	0.02	21.70
Mount Hamilton	22.35	0.23	0.00	0.20	0.00	3.95	2.86	5.31	0.11	2.75	6.24	0.30	0.40	0.00	0.00	0.00	21.92
Newark	18.27	0.24	0.00	0.13	0.00	2.71	2.28	5.63	0.25	2.84	3.57	0.11	0.51	0.00	0.00	T	17.90
Niles Pinna	28.53	0.28	0.15	0.00	0.00	4.37	3.00	8.31	0.39	4.89	6.40	0.05	0.69	0.00	0.00	T	28.10
Pleasanton Nursery	32.16	0.15	T	0.09	0.00	4.75	3.33	10.57	0.43	5.72	6.62	0.12	0.38	0.00	0.00	0.02	31.94
SANTA CLARA VALLEY (B6)																	
Alamitos Perc Pond	25.91	0.24	0.00	0.11	0.00	4.86	2.92	7.71	0.24	5.97	3.83	0.01	0.02	0.00	0.00	T	25.56
Almaden Reservoir	50.26	0.28	0.02	0.18	0.00	8.09	5.52	15.19	0.79	11.37	8.05	0.35	0.42	0.00	0.00	T	49.78
Black Mtn 2 SW	46.07	0.18	0.11	T	0.00	7.55	5.96	12.80	0.58	9.52	7.78	0.59	1.00	0.00	0.00	T	45.78
Calero Reservoir	31.82	0.26	0.00	0.23	0.00	4.93	4.32	8.72	0.30	7.73	5.17	0.06	0.10	0.00	0.00	0.01	31.34
Cambrian Park	26.79	0.25	0.00	0.13	0.00	5.16	3.08	6.52	0.38	6.97	4.22	0.02	0.06	0.00	0.00	T	26.41
Campbell Water Co	25.06	0.23	0.00	0.12	0.00	4.54	3.19	7.24	0.32	5.40	3.96	0.02	0.04	0.00	T	T	24.71
Coyote Reservoir	33.83	0.42	0.00	0.27	0.00	4.75	4.77	9.05	0.22	5.62	7.39	0.22	1.12	0.00	0.00	0.00	33.14
Gilroy 8 NE	30.99	0.38	0.00	0.12	0.00	3.99	5.19	7.24	0.29	5.30	7.27	0.21	1.00	0.00	0.00	0.00	30.49
Guadalupe Reservoir	45.32	0.15	0.10	0.18	0.00	8.13	4.78	12.78	0.77	10.75	7.29	0.04	0.35	0.00	0.00	0.01	44.90
Leroy Anderson Dam	31.50	0.32	0.00	0.15	0.00	5.35	3.87	8.88	0.17	6.85	5.07	0.26	0.58	0.00	0.00	0.00	31.03
Lexington Reservoir	55.09	0.41	0.02	0.20	0.00	9.61	6.75	13.97	0.77	12.67	9.25	0.16	1.28	0.00	0.00	0.02	54.48
Los Gatos	35.88	0.31	0.01	0.14	0.00	7.00	4.06	9.27	0.48	9.06	5.31	0.07	0.17	0.00	T	0.00	35.42
Los Gatos Wright	30.22	0.30	T	0.14	0.00	5.29	3.45	7.77	0.53	7.80	4.79	0.03	0.12	0.00	0.00	T	29.73
Morgan Hill 2E	31.04	0.32	0.00	0.15	0.00	4.88	4.01	8.81	0.18	6.59	5.36	0.20	0.54	0.00	0.00	T	30.57
Morgan Hill 6 WNW	--	0.32E	0.00	0.09E	0.00	6.66	6.04	--	0.27	9.15	5.33	0.09	--	0.00	0.00	0.00	--
Palo Alto City Hall	21.56	0.33	0.03	0.10	0.00	2.93	2.23	7.41	0.13	3.57	4.50	0.14	0.19	0.00	T	0.02	21.12
Penitentia Rain Gage	27.40	0.13	0.04	0.10	0.00	4.26	2.25	6.93	0.40	6.62	5.91	0.19	0.57	0.00	0.00	0.02	27.15
Redwood City	29.90	0.30	0.04	0.10	T	4.04	3.56	10.90	0.17	5.44	4.68	0.15	0.52	0.00	0.00	0.00	29.46
San Jose	20.00	0.21	T	0.19	0.00	3.05	2.17	4.87	0.14	5.14	3.89	0.03	0.31	0.00	0.00	0.02	19.62
San Jose Decid FFS	20.63	0.21	0.00	0.13	0.00	3.28	2.72	5.67	0.24	4.43	3.80	0.02	0.13	0.00	0.00	0.01	20.30
Santa Clara Univ	20.79	0.21	0.00	0.17	0.00	3.32	2.77	5.69	0.17	4.56	3.70	0.03	0.17	0.00	0.00	0.00	20.41
Saratoga Clark	31.26	0.34	0.00	0.11	0.00	5.04	3.87	9.93	0.49	6.57	4.83	0.02	0.06	0.00	0.00	T	30.91
Saratoga Gap Maint	66.23	1.00	0.00	0.31	0.00	11.45	10.25	17.45	0.60	13.55	9.87	0.50	1.25	0.00	0.00	0.00	64.92
Saratoga Kriege	33.13	0.36	0.01	0.11	0.00	5.48	4.17	9.96	0.49	7.52	4.95	0.02	0.06	0.00	0.00	T	32.65
Searsville Lake	42.71	0.24	0.12	0.08	0.00	5.34	4.93	14.56	0.48	8.91	6.81	0.38	0.96	0.00	0.00	0.00	42.27

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																
	Total July 1 To June 30	1966						1967									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 (B6) (CONT.)																	
Stevens Creek Res	46.32	0.50	0.12	0.22	0.00	8.20	5.91	12.07	0.53	10.09	7.73	0.13	0.82	0.00	0.00	T	45.48
Vasona Reservoir	34.85	0.31	0.01	0.20	0.00	6.58	3.92	9.13	0.42	8.63	5.43	0.07	0.15	0.00	0.00	0.11	34.44
Wrights	72.46	0.46	0.00	0.39	0.00	12.69	9.82	19.14	0.65	17.08	9.93	0.35	1.95	0.00	0.00	T	71.61
BAYSIDE SAN MATEO (E7)																	
Burlingame	33.39	0.00	0.09	0.10	0.00	5.12	4.08	11.70	0.12	5.24	5.56	0.20	1.18	0.00	0.00	0.02	33.22
San Francisco WB AP	30.94	0.03	0.09	0.08	T	4.79	3.96	10.43	0.09	5.04	5.31	0.26	0.86	T	T	0.01	30.75
San Francisco FOB	29.41	0.06	0.10	0.10	0.01	4.80	3.87	9.49	0.22	4.35	4.90	0.09	1.42	0.00	T	0.04	29.19
San Mateo	25.69	0.80	0.06	0.00	0.00	3.03	2.70	8.78	0.08	4.79	4.48	0.22	0.75	0.00	0.00	T	24.83
COAST SAN MATEO (E8)																	
Half Moon Bay	35.43	0.12	0.27	0.25	T	5.18	3.62	10.44	0.25	6.18	7.43	0.25	1.44	0.00	0.00	T	34.79
La Honda	41.30E	0.12	0.10	0.12	0.00	6.43	5.15	12.22E	0.22	8.54	6.56	0.70	1.14	0.00	0.00	0.17	41.13E
Portola State Park	61.90	T	0.25	0.27	0.00	10.12	7.86	18.41	0.94	12.26	9.62	0.69	1.48	0.00	T	T	61.38
San Francisco Sunset	31.15	0.02	0.31	0.10	T	4.82	3.74	10.17	0.45	4.26	5.24	0.15	1.89	0.00	0.00	0.05	30.77
San Gregorio 2 SE	39.96	0.11	0.22	0.17	0.06	5.90	4.45	12.83	0.44	7.43	6.28	0.52	1.55	0.00	0.08	0.08	39.62

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																	
	Total July 1 To June 30	1966						1967									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 (F8)																	
Boonville HMS	46.51	0.00	0.20	0.15	0.00	11.96	7.34	11.05	0.60	8.07	5.39	0.36	1.59	0.00	T	0.02	46.18
Boonville Farrer	63.60	T	0.30	0.23	0.00	15.31	8.99	15.31	0.93	11.60	8.74	0.61	1.58	0.00	T	T	63.07
Cloverdale 11W	--	0.00	0.23	0.11	0.00	11.83	12.71E	--	--	13.12	7.90	--	--	0.00	0.00	--	--
Fort Bragg	46.63	0.03	0.22	0.44	0.12	9.92	7.22	9.28	1.03	9.33	7.59	1.12	0.33	0.06	0.02	0.45	46.47
Fort Bragg Aviation	43.30	0.03	0.16	0.42	T	9.35	6.23	9.12	0.97	0.30	6.72	0.72	0.28	0.00	0.00	T	42.69
Fort Ross	39.70	T	0.26	0.21	T	8.03	6.16	10.73	0.99	6.09	4.28	0.28	2.67	T	0.00	0.07	39.30
Navarro 1 NW	41.81	0.00	0.10	0.45	0.00	7.09	5.99	10.86	0.83	8.91	6.14	0.69	0.75	0.00	0.00	0.10	41.36
Philo 2 NW	45.56	0.00	0.00	0.25	0.00	9.72	7.19	11.42	0.71	9.49	5.15	0.51	1.12	0.00	0.00	0.00	45.31
Philo 4 NW	49.65	0.00	0.27	0.24	0.00	10.60	7.50	11.70	0.80	10.02	6.69	0.71	1.12	0.00	0.00	0.23	49.37
Point Arena	44.60	0.06	0.29	0.19	0.00	10.51	6.38	9.52	0.93	8.79	6.05	0.49	1.39	T	0.05	0.19	44.30
Skaggs Spr Las Lomas	74.43	0.00	1.38	0.20	0.00	16.78	10.97	22.96	0.65	10.63	8.04	0.44	2.38	0.00	0.00	0.10	72.95
Yorkville	--	0.0E	0.1E	0.1E	0.0E	16.3E	10.4E	--	--	--	6.6	0.4	--	0.0	0.0	0.0	--
RUSSIAN RIVER (F9)																	
Alpine Dam	66.64	0.00	0.27	0.07	0.00	11.77	7.95	23.11	0.44	9.71	7.64	0.53	5.15	0.00	0.00	0.00	66.30
Blakes Landing	40.06	0.00	0.20	0.15	0.00	7.69	6.05	12.95	0.65	5.38	4.63	0.25	2.11	0.00	0.00	0.00	39.71
Bon Tempe Dam	59.88	0.00	0.14	0.07	0.00	11.73	8.75	17.88	0.55	8.53	7.64	0.37	4.22	0.00	0.00	0.00	59.67
Cazadero	90.15	T	0.21	0.13	0.00	22.78	14.12	23.78	0.65	15.19	9.33	0.31	3.65	0.00	0.00	0.02	89.83
Cloverdale 3 SSE	59.91	0.00	0.09	0.12	0.00	12.72	11.07	15.86	0.65	10.79	6.2	0.25	2.12	0.00	0.01	0.04	59.75
Coyote Dam	38.88	0.00	0.46	0.13	0.04	8.33	6.32	10.22	0.62	6.47	4.69	0.12	1.48	0.00	0.03	0.03	38.35
Geyserville Hocking	42.67	0.00	T	0.00	1.62	10.76	3.17	11.59	1.35	8.21	5.91	0.06	0.00	0.00	0.00	0.15E	42.82E
Oraton	52.72	0.00	0.24	0.30	0.00	9.58	9.18	17.90	0.53	7.01	5.74	0.11	2.13	0.00	0.00	0.05	52.23
Graton 1 W	56.15	0.00	0.24	0.29	T	10.86	9.69	18.16	0.55	7.77	6.23	0.08	2.28	0.00	0.00	0.01	55.63
Guerneville	59.28	0.00	0.12	0.17	0.00	11.44	9.90	19.25	0.37	8.68	7.19	0.14	2.02	0.00	0.00	0.00	58.99
Healdsburg	57.75	T	0.11	0.11	T	13.20	10.12	16.37	0.41	8.60	6.49	0.17	2.17	0.00	0.00	0.02	57.55
Healdsburg No 2	54.21	0.00	0.20	0.13	0.00	12.53	9.48	14.04	0.53	8.35	6.68	0.16	2.11	0.00	0.00	0.04	53.92
Hopland Largo Sta	--	0.00	0.05	0.25	0.00	9.28	--	9.87	0.33	7.53	3.80	0.10	1.32	0.00	0.04	0.02	--
Inverness Mery	58.80	T	0.40	0.40	0.00	12.00	9.70	17.80	0.50	8.45	6.05	0.25	3.25	0.00	0.00	0.00	58.00
Kellogg	66.95	0.00	0.34	0.77	T	14.50	9.98	19.52	0.55	10.72	7.06	0.39	3.12	0.00	T	0.22	66.06
Kent Lake	85.18	0.00	0.27	0.42	0.01	19.16	12.22	26.38	0.60	11.01	9.26	0.36	5.49	0.00	0.00	0.05	84.54
Knights Valley	56.86E	0.00E	0.39E	0.47	0.00	10.78	9.21	16.77	0.49	9.50	6.20	0.47	2.58	0.00	0.00	0.12	56.12
Lagunitas Lake	78.53	0.00	0.25	0.67	0.00	20.50	10.94	17.99	0.60	11.40	10.75	0.37	5.06	0.00	0.00	0.00	77.61
Mt Tamalpais 2 SW	55.85E	0.00	0.13E	0.08E	0.00E	9.79E	7.16	20.06	0.27	7.81	6.43	0.22	3.90	0.00	0.00	0.09	55.73E
Nicasio	58.03	0.00	0.00	0.18	0.00	12.50	10.56	17.89	0.91	7.21	5.99	0.43	2.36	0.00	0.00	0.01	57.86

TABLE A-2

PRECIPITATION DATA

CENTRAL COASTAL AREA

Station Name	Precipitation In Inches																
	Total July 1 To June 30	1966						1967									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 (F9) (CONT.)																	
Navato 8 WNW	36.75	0.00	0.28	0.21	0.00	6.11	4.79	13.46	0.19	4.82	4.77	0.24	1.88	0.00	0.00	0.00	36.26
Occidental	70.02	0.00	0.32	0.27	0.00	16.14	10.41	21.03	0.70	9.91	7.35	0.31	3.58	0.00	0.00	0.12	69.55
Potter Valley 3 SE	36.34	0.00	0.46	0.25	0.04	7.72	5.16	10.73	0.45	6.38	4.12	0.16	0.87	0.00	0.00	0.13	35.76
Potter Valley PH	53.38	0.00	0.45	0.06	0.04	12.61	7.62	15.09	0.59	9.36	5.55	0.98	1.03	0.00	0.00	0.00	52.87
Redwood Valley	--	0.00	0.37	0.07	0.00	7.99	5.82	11.07	0.54	--	4.13	0.12	--	0.00	0.03	0.00	--
Santa Rosa Sewage Plt	40.42	0.00	0.13	0.27	0.00	7.76	6.92	11.08	0.50	5.40	5.96	0.11	2.29	0.00	0.00	0.06	40.08
Santa Rosa	42.33	0.00	0.12	0.35	0.01	7.61	6.55	12.42	0.58	5.86	6.72	0.17	1.94	0.00	0.00	0.07	41.93
Sebastopol 4 SSE	40.6	0.0	0.2	0.1	0.0	6.7	5.7	13.7	0.5	5.8	5.5	0.1	2.3	0.0	0.0	0.0	40.3
The Geysers	--	0.00	0.00	0.15	0.00	17.89	13.43E	--	0.45	14.92	7.52	0.47	3.08	0.00	0.03	0.05	--
Ukiah	43.16	0.00	0.34	0.11	0.00	9.90	6.61	11.76	0.59	7.46	4.79	0.23	1.37	0.00	0.03	0.01	42.75
Ukiah 4 WSW	54.99	T	0.41	0.21	0.01	12.69	8.81	15.04	0.85	9.26	5.85	0.66	1.20	T	0.03	0.06	54.46
Venado	--	0.00	0.26	0.15	0.00	17.46	13.45	21.80	0.41	12.60	--	0.28	3.02	0.0	0.0	0.0	--
Woodacre	62.84	0.01	0.21	0.33	0.00	11.93	9.61	20.34	0.49	9.03	7.93	0.24	2.72	0.00	T	0.06	62.35

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.

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														
		1966						1967								
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb.	Mar	Apr.	May	June	July	Aug	Sept.
CENTRAL COASTAL AREA																
SANTA CRUZ (D0)																
BEN LOMOND NO 2	Maximum	97	98	96	96	94	73	76	82	75	64	97	85	94		
	Minimum	42	42	38	27	27	24	22	26	29	31	31	43	--		
	Avg Max	83.8	85.8	84.9	-	64.3	61.8	62.9	69.6	64.3	55.9	73.3	71.9	--		
	Avg Min	46.4	48.1	44.1	38.9	41.9	37.1	34.1	34.0	38.1	37.7	43.5	48.9	--		
	Average	65.1	67.0	64.5		53.1	49.5	48.5	51.8	51.2	46.8	58.4	60.4	--	RE	
BEN LOMOND NO 3	Maximum															100
	Minimum															47
	Avg Max															85.7
	Avg Min															52.0
	Average														RB	68.9
DAVENPORT	Maximum	80	73	87	81	83	67	66	67	60	57	74	62	75	69	80
	Minimum	45	46	46	45	43	37	40	40	38	39	42	47	47	47	50
	Avg Max	62.0	63.0	67.2	66.6	63.1	58.9	58.5	58.9	55.9	54.0	59.7	57.6	62.8	61.7	68.6
	Avg Min	49.7	50.1	52.2	49.8	56.4	45.0	45.9	45.0	44.3	43.2	47.2	49.1	50.0	50.6	54.4
	Average	55.8	56.6	59.7	58.2	49.6	52.0	52.2	52.0	50.1	48.6	53.4	53.4	56.4	56.2	61.5
SANTA CRUZ	Maximum	90	86	97	93	85	70	74	73	72	65	93	73	88	86	93
	Minimum	44	42	41	37	33	27	31	33	30	33	35	41	44	47	47
	Avg Max	76.0	74.4	78.6	77.4	65.1	60.9	61.2	65.1	62.2	58.6	73.4	67.0	76.1	73.5	79.2
	Avg Min	48.5	50.4	49.3	46.6	45.0	39.9	39.7	38.5	41.6	40.2	46.5	49.9	51.1	52.2	53.4
	Average	62.3	62.4	64.0	62.0	55.1	50.4	50.5	51.8	51.9	49.4	60.0	58.5	63.6	62.9	66.3
PAJARO-SAN BENITO RIVERS (D1)																
GILROY	Maximum	97	102	98	94	91	66	69	74	75	66	97	95	103	103	100
	Minimum	47	47	43	36	31	25	27	32	30	35	36	47	49	50	50
	Avg Max	85.2	89.4	84.6	78.7	66.3	57.8	60.6	63.9	64.8	59.6	78.0	77.5	91.0	90.2	86.9
	Avg Min	51.1	53.1	50.8	45.8	43.3	37.0	37.4	37.1	40.6	40.4	47.6	51.2	52.7	53.0	54.7
	Average	68.2	71.3	67.7	62.3	54.8	47.4	47.5	50.5	52.7	50.0	62.8	64.4	71.9	71.6	70.8
QUIEN SABE HAY CAMP	Maximum	96	98	96	93	92	80	76	79	75	62	95	96	99	100	95
	Minimum	39	43	34	29	25	16	20	22	22	27	30	40	41	43	44
	Avg Max	83.8	89.0	81.9	78.7	65.6	60.0	62.3	66.1	61.8	56.8	75.6	77.2	90.6	92.5	84.8
	Avg Min	46.6	50.6	45.6	39.9	39.2	32.1	31.6	31.0	35.5	36.6	40.3	46.8	50.7	51.4	49.8
	Average	65.2	69.8	63.8	59.3	52.4	46.0	47.0	48.6	48.6	46.7	58.0	62.0	70.6	72.0	67.3
WATSONVILLE WATERWKS	Maximum	80	87	96	92	92	66	72	75	72	63	89	68	81	79	93
	Minimum	47	48	41	37	31	28	31	32	33	35	39	42	42	50	48
	Avg Max	69.5	70.1	74.3	74.1	65.2	59.1	61.5	65.0	61.3	57.7	68.8	63.7	71.2	69.4	75.1
	Avg Min	51.0	51.7	51.1	46.3	45.9	39.3	37.7	38.3	42.4	41.1	47.4	50.5	51.8	53.4	54.4
	Average	60.3	60.9	62.7	60.2	55.6	49.2	49.6	51.7	51.9	49.4	58.1	57.1	61.5	61.4	64.8

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug	Sept	Oct.	Nov	Dec	Jan	Feb.	Mar	Apr	May	June	July	Aug	Sept.
CENTRAL COASTAL AREA																
LOWER SALINAS RIVER (D2)																
FREMONT PEAK	Maximum	97	100	96	90	89	80	79	82	70	58	98	99	102	103	94
	Minimum	40	41	42	38	32	28	26	28	30	30	30	39	58	[illegible]	43
	Avg Max	83.4	89.4	80.1	76.4	60.3	56.0	60.8	65.0	56.3	48.2	70.4	75.1	92.1	94.2	82.0
	Avg Min	58.5	62.7	54.2	52.1	43.9	39.6	39.8	41.8	36.4	34.4	47.3	52.0	[illegible]	[illegible]	57.7
	Average	71.0	76.1	67.2	64.2	52.1	47.8	50.3	53.4	46.4	41.3	58.8	63.6	70.0	81.6	69.8
KING CITY	Maximum	93	95	97	95	91	72	73	79	75	67	97	91	101	98	100
	Minimum	42	43	40	32	30	20	21	29	27	32	34	41	44	46	47
	Avg Max	82.7	84.2	84.0	81.4	68.3	62.0	64.2	68.9	66.5	61.4	78.6	77.9	97.7	95.5	85.5
	Avg Min	49.8	51.0	48.1	44.1	44.1	36.3	33.2	35.4	39.9	38.8	44.2	50.2	51.5	52.2	53.3
	Average	65.8	67.6	66.1	62.8	56.2	49.5	48.7	52.2	53.2	50.1	61.4	64.1	69.6	68.9	69.4
MONTEREY	Maximum	83	81	84	91	91	68	72	72	68	60	85	80	80	78	92
	Minimum	47	47	48	44	38	36	34	39	33	33	42	49	49	51	51
	Avg Max	66.4	67.6	72.2	72.0	64.9	59.9	60.7	63.8	59.1	57.0	64.7	61.1	67.2	68.3	73.1
	Avg Min	51.3	51.8	53.3	52.2	49.2	44.9	44.8	44.6	44.3	42.8	48.3	50.1	51.8	52.5	55.4
	Average	58.9	59.7	62.8	62.1	56.6	52.4	52.8	54.2	51.7	49.9	56.5	55.6	59.5	60.4	64.3
PINNACLES NAT MON	Maximum	105	107	104	97	94	73	77	80	75	65	100	104	108	110	102
	Minimum	35	43	37	34	27	22	25	26	25	27	34	39	43	46	49
	Avg Max	92.8	98.8	89.2	85.0	67.0	61.0	63.5	68.9	63.7	57.3	79.5	84.6	100.4	102.5	93.2
	Avg Min	46.6	51.2	47.5	43.1	40.3	34.3	34.4	33.6	35.7	35.5	42.8	46.8	53.3	54.7	52.0
	Average	69.7	75.0	68.4	64.1	53.7	47.7	49.0	51.3	49.7	46.4	61.2	65.7	76.9	78.6	72.6
PRIEST VALLEY	Maximum	102	103	100	94	86	73	73	76	70	60	95	103	105	106	97
	Minimum	33	36	31	25	24	16	17	19	20	24	25	33	41	40	42
	Avg Max	90.8	95.3	85.4	80.2	63.0	56.8	58.7	62.9	53.3	53.2	75.2	82.4	97.6	99.5	90.2
	Avg Min	46.0	50.7	41.6	36.4	35.8	29.9	28.3	26.5	31.9	30.8	37.8	41.1	50.0	51.2	46.9
	Average	68.4	73.0	63.5	58.3	49.4	43.4	43.5	44.7	45.1	42.0	56.5	61.9	73.8	75.4	68.6
SALINAS 2 E	Maximum	87	86	99	94	94	73	76	76	75	65	95	75	84	80	96
	Minimum	46	49	45	36	34	27	27	31	31	34	36	47	45	49	50
	Avg Max	70.9	72.4	76.5	76.2	66.7	62.0	64.1	67.1	63.3	59.4	71.2	66.3	72.7	72.1	77.2
	Avg Min	51.9	53.2	52.0	43.5	46.8	41.3	38.5	39.3	42.3	41.5	47.6	50.6	52.4	53.3	55.3
	Average	61.4	62.8	64.3	62.4	56.8	51.7	51.3	53.2	52.8	50.5	59.4	58.5	62.6	62.7	66.3
SALINAS FAA AP	Maximum	86	85	97	95	95	64	72	73	71	62	91	76	83	77	95
	Minimum	47	49	42	36	34	26	26	32	31	33	34	47	44	49	50
	Avg Max	69.8	70.9	74.6	74.5	64.7	59.0	61.5	64.1	60.6	57.0	67.8	64.9	71.1	70.2	75.3
	Avg Min	52.0	52.6	51.4	47.7	45.8	39.6	38.0	39.6	41.0	39.8	46.5	50.7	51.4	52.4	54.6
	Average	60.9	61.8	63.0	61.1	55.3	49.3	49.8	51.9	50.8	48.4	57.2	57.9	61.3	61.3	65.0

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.
CENTRAL COASTAL AREA																
LOWER SALINAS RIVER (D2) (Cont.)																
SALINAS DE DAMPIERRE	Maximum	--	86	85	90	--	68									
	Minimum	--	51	41	40	--	24									
	Avg Max	--	69.6	68.0	75.0	--	56.5									
	Avg Min	--	55.4	50.9	49.0	--	37.4									
	Average	--	62.5	59.4	62.0	--	47.0	RE								
SOLEDAD CTF	Maximum	84	89	97	93	94	72	72	77	74	64	94	82	104	86	96
	Minimum	44	46	41	34	33	25	26	31	28	33	35	46	49	45	48
	Avg Max	73.7	76.4	76.9	76.6	67.5	61.2	63.2	65.5	63.4	58.1	72.1	69.6	83.9	75.7	79.2
	Avg Min	49.8	51.7	49.9	46.1	45.4	38.2	37.0	38.5	40.5	39.8	45.9	49.6	57.1	51.9	53.8
	Average	61.8	64.0	63.4	61.4	56.5	49.7	50.1	52.0	52.0	49.0	59.0	59.6	70.5	63.8	66.5
SPRECKELS	Maximum	80	84	98	--	--	74	80	75	76	65	94	78	90	--	96
	Minimum	46	46	47	--	--	26	28	32	32	32	38	45	44	--	48
	Avg Max	--	73.0	76.8	--	--	63.3	62.9	65.7	65.2	60.5	71.0	67.0	74.5	--	80.9
	Avg Min	--	50.8	50.8	--	--	41.5	37.1	38.0	41.0	40.4	47.7	50.5	51.3	--	53.0
	Average	--	61.9	63.8	--	--	52.4	50.0	51.8	53.1	50.4	59.4	58.8	62.9	--	67.0
UPPER SALINAS RIVER (D3)																
ATASCADERO HMS	Maximum	102	105	100	94	91	70	78	76	76	68	99	100	106	107	98
	Minimum	45	44	41	34	30	21	21	27	30	32	37	40	51	51	50
	Avg Max	89.7	95.5	85.6	80.4	67.5	59.4	63.9	66.8	66.2	60.1	79.3	79.5	97.5	97.6	89.8
	Avg Min	52.6	56.0	51.0	44.8	43.1	35.1	31.1	34.4	39.8	38.2	47.1	49.4	58.3	57.5	55.6
	Average	71.2	75.8	68.3	62.6	55.3	47.2	47.5	50.6	53.0	49.2	63.2	64.4	77.9	77.6	72.7
LINN RANCH	Maximum	101	104	96	90	90	63	67	70	70	64	95	102	104	103	94
	Minimum	47	50	43	33	32	21	25	28	31	29	35	42	52	53	46
	Avg Max	90.4	94.0	83.3	78.7	63.9	55.4	58.5	63.4	62.0	58.6	76.5	80.9	94.9	95.9	87.3
	Avg Min	53.7	59.0	51.9	45.6	43.5	36.7	34.5	36.7	40.3	38.1	47.0	50.4	57.2	57.5	56.0
	Average	72.1	77.0	67.6	62.2	53.7	46.0	46.5	50.0	51.2	48.4	61.8	65.6	76.0	76.7	71.6
NACIMIENTO DAM	Maximum	105	109	102	95	94	70	72	74	75	66	98	103	109	108	98
	Minimum	44	42	40	36	36	27	26	31	32	32	36	42	44	50	50
	Avg Max	93.3	98.6	85.2	81.5	66.3	58.3	61.5	64.5	63.0	57.3	79.5	83.8	99.1	101.3	91.8
	Avg Min	48.6	51.4	49.2	44.5	43.9	38.8	36.4	38.7	40.8	39.3	46.8	49.3	55.2	56.3	56.1
	Average	71.0	75.0	67.2	63.0	55.1	48.6	49.0	51.6	51.9	48.3	63.2	66.6	77.2	78.8	74.0
PASO ROBLES	Maximum	105	105	98	95	95	70	74	77	75	68	99	103	106	106	99
	Minimum	39	40	35	28	25	22	22	26	29	31	36	39	47	45	45
	Avg Max	92.1	95.0	87.0	83.1	66.8	59.1	62.6	67.4	64.6	60.7	80.9	82.4	97.0	98.5	91.5
	Avg Min	47.1	49.0	46.8	40.2	40.8	35.7	32.4	34.4	39.1	37.5	44.4	47.6	52.3	51.4	51.6
	Average	69.6	72.0	66.9	61.7	53.8	47.4	47.5	50.9	51.9	49.1	62.7	65.0	74.7	75.0	71.6

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug.	Sept	Oct.	Nov.	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept.
CENTRAL COASTAL AREA																
UPPER SALINAS RIVER (D3) (Cont.)																
PASO ROBLES FAA AP	Maximum	109	110	104	98	98	69	71	77	74	68	103	107	110	110	101
	Minimum	46	48	43	31	34	28	25	28	30	31	36	40	51	50	50
	Avg Max	94.1	98.3	87.2	82.4	65.7	58.2	61.6	65.3	63.5	59.4	81.3	84.7	99.3	100.7	91.0
	Avg Min	52.3	54.7	51.1	45.1	44.1	38.1	35.0	35.8	41.3	39.4	47.1	50.6	56.7	56.3	55.7
	Average	73.2	76.5	69.2	63.8	54.9	48.2	48.3	50.6	52.4	49.4	64.2	67.7	78.0	78.5	73.4
SAN ANTONIO MISSION	Maximum	105	110	107	96	93	72	75	76	75	68	100	108	109	112	101
	Minimum	39	39	35	31	28	22	23	26	27	29	31	36	45	45	46
	Avg Max	94.5	101.2	90.8	86.0	68.5	61.5	64.5	68.9	64.2	60.5	81.6	88.0	103.7	104.7	95.2
	Avg Min	46.2	50.0	45.2	40.9	38.8	34.3	33.7	33.3	36.2	35.4	42.2	46.0	54.4	53.9	51.8
	Average	70.4	75.6	68.0	63.5	53.7	47.9	49.1	51.1	50.2	48.0	61.9	67.0	79.1	79.3	73.5
TEMPLETON	Maximum	103	107	100	94	92	69	71	77	72	66	100	101	107	108	100
	Minimum	41	41	39	31	31	24	25	28	30	32	37	40	49	42	48
	Avg Max	89.0	92.8	85.1	80.5	65.4	57.2	61.7	65.1	62.9	58.1	78.4	79.7	95.5	96.2	89.3
	Avg Min	50.2	52.8	48.2	42.7	43.1	37.7	33.5	36.7	40.5	39.6	45.9	47.9	55.8	54.5	55.0
	Average	69.6	72.8	66.6	61.6	54.2	47.4	47.6	50.9	51.7	48.8	62.2	63.8	75.6	75.4	72.2
MONTEREY COAST (D4)																
CARMEL VALLEY	Maximum	91	94	101	97	94	78	78	77	72	64	90	81	97	96	99
	Minimum	41	40	40	36	34	28	28	34	32	32	36	39	41	42	46
	Avg Max	75.4	79.9	81.0	79.8	67.5	63.8	64.9	67.9	62.2	58.2	70.4	67.7	78.5	79.3	82.6
	Avg Min	47.4	49.5	49.6	47.7	45.3	40.9	40.0	39.8	39.9	39.5	45.5	48.6	49.4	49.8	52.7
	Average	61.4	64.7	65.3	63.8	56.4	52.4	52.5	53.9	51.1	48.9	58.0	58.2	64.0	64.7	67.7
ROOSEVELT RANCH	Maximum	84	85	87	85	85	69	72	70	68	66	91	78	91	87	87
	Minimum	51	52	52	52	48	43	42	44	41	40	47	50	52	51	53
	Avg Max	71.6	72.6	73.6	71.0	62.6	59.2	59.8	63.1	58.4	55.4	69.3	63.8	77.3	71.1	70.1
	Avg Min	56.7	57.5	58.7	55.6	53.5	50.7	50.2	50.6	47.7	46.1	52.9	51.8	61.9	57.2	56.5
	Average	64.2	65.1	66.2	63.3	58.0	55.0	55.0	56.8	53.0	50.8	61.1	57.8	69.6	64.2	63.3

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.
SAN FRANCISCO BAY AREA																
MARIN-SONOMA (E2)																
KENTFIELD	Maximum	91	96	97	90	86	65	68	67	70	65	91	89	98	92	97
	Minimum	46	46	47	39	34	29	32	33	33	35	37	46	46	47	48
	Avg Max	80.9	83.3	82.9	77.0	64.1	54.4	57.1	60.3	61.7	58.8	74.8	73.0	82.9	84.1	84.1
	Avg Min	50.0	51.1	52.6	48.7	45.7	42.1	39.9	39.6	41.0	40.3	46.6	49.6	51.2	51.0	53.5
	Average	65.5	67.2	67.8	62.9	54.9	48.3	48.5	50.0	51.4	49.6	60.7	61.3	67.1	67.6	68.8
PETALUMA FS NO 2	Maximum	93	100	100	93	85	66	70	68	70	63	92	87	98	--	100
	Minimum	45	43	44	36	29	26	26	30	31	33	36	43	46	47	49
	Avg Max	79.6	83.5	81.2	78.1	63.8	54.9	58.9	60.9	61.1	58.2	73.0	73.1	83.9	--	83.8
	Avg Min	49.9	51.2	52.2	45.7	44.5	40.6	37.7	37.6	40.6	38.3	45.1	49.7	51.1	50.8	54.0
	Average	64.8	67.4	66.7	61.9	54.2	47.8	48.3	49.3	50.9	48.3	59.1	61.4	67.5	--	68.9
SAN RAFAEL	Maximum	91	92	97	89	84	67	71	70	71	64	93	88	95	91	97
	Minimum	48	47	48	44	37	33	35	39	37	37	41	48	51	50	52
	Avg Max	80.1	83.0	82.0	78.3	65.0	56.6	59.9	62.7	63.2	59.5	75.9	74.9	84.0	83.8	83.8
	Avg Min	52.0	53.2	55.3	51.6	47.8	44.0	42.7	42.9	44.3	42.2	49.7	51.9	53.8	53.9	56.9
	Average	66.1	68.1	68.7	65.0	56.4	50.3	51.3	52.8	53.8	50.9	62.8	63.4	68.9	68.9	70.4
SONOMA	Maximum	100	105	102	92	87	65	70	70	72	69	95	98	103	104	100
	Minimum	42	43	41	31	27	25	26	27	28	30	32	43	43	43	44
	Avg Max	85.7	90.4	86.5	80.7	64.1	54.9	58.8	62.6	63.6	60.6	78.7	79.5	90.5	93.8	88.7
	Avg Min	47.2	49.1	47.7	43.5	42.2	39.4	36.9	35.6	38.0	36.4	42.5	48.7	50.0	49.1	50.4
	Average	66.5	69.8	67.1	62.1	53.2	47.2	47.9	49.1	50.8	48.5	60.6	64.1	70.3	71.5	69.6
NAPA-SOLANO (E3)																
ANGWIN P U C	Maximum	96	101	98	86	86	60	70	70	70	61	90	94	96	101	95
	Minimum	42	42	40	42	32	30	27	30	28	28	35	43	47	50	45
	Avg Max	83.8	88.6	80.6	73.9	57.7	51.0	54.3	59.0	54.5	50.1	73.0	74.4	88.9	92.3	84.8
	Avg Min	50.5	54.3	51.3	49.9	44.2	39.0	39.6	41.6	36.9	33.8	47.2	50.0	56.3	60.9	53.6
	Average	67.2	71.5	66.0	61.9	51.0	45.0	47.0	50.3	45.7	42.0	60.1	62.2	72.6	76.6	69.2
CALISTOGA	Maximum	98	103	105	95	91	65	75	79	71	67	94	101	100	104	102
	Minimum	40	40	37	30	24	21	24	23	25	28	32	44	44	33	42
	Avg Max	88.4	92.2	87.1	81.0	63.1	56.5	59.7	65.5	60.5	57.6	78.5	80.7	93.5	96.2	89.9
	Avg Min	46.8	49.0	46.6	41.1	41.4	36.5	33.4	33.5	34.6	35.5	42.2	50.6	51.6	50.8	51.0
	Average	67.6	70.6	66.8	61.0	52.2	46.5	46.6	49.5	47.6	46.6	60.4	65.7	72.6	73.5	70.5
DENVERTON 1 S	Maximum	101	103	100	89	82	60	66	66	69	65	92	95	101	102	100
	Minimum	53	53	50	39	28	25	26	27	31	34	39	49	53	53	50
	Avg Max	93.3	89.3	85.0	77.9	64.4	52.9	55.9	56.2	61.7	58.8	77.0	77.9	89.1	90.7	86.5
	Avg Min	59.4	58.1	55.8	49.0	44.2	39.2	35.7	38.1	38.7	40.2	47.5	54.1	59.4	58.3	57.2
	Average	76.4	73.7	70.4	63.4	54.3	46.0	45.8	47.2	50.2	49.5	62.2	66.0	74.2	74.5	71.8

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb.	Mar	Apr	May	June	July	Aug.	Sept.
SAN FRANCISCO BAY AREA																
NAPA-SOLANO (E3) (Cont.)																
DUTTONS LANDING	Maximum	86	91	100	88	85	60	67	65	68	63	90	85	92	88	98
	Minimum	43	40	42	39	33	31	32	33	34	32	37	39	50	49	51
	Avg Max	75.5	77.3	79.0	74.8	64.6	53.8	56.5	58.7	60.7	57.5	71.8	70.1	76.8	78.3	80.1
	Avg Min	50.7	51.8	50.4	46.9	42.6	40.8	37.4	38.3	40.1	39.3	46.3	50.8	54.6	53.3	54.0
	Average	63.1	64.6	64.7	60.9	53.6	47.3	47.0	48.5	50.4	48.4	59.1	60.5	65.7	65.8	67.1
FAIRFIELD POLICE STA	Maximum	95	99	100	90	86	65	70	70	71	69	94	96	102	105	97
	Minimum	48	51	49	39	30	28	27	31	33	32	38	49	52	52	54
	Avg Max	79.5	87.6	86.0	79.7	65.4	54.0	57.5	60.7	63.0	60.0	78.7	79.5	90.7	94.5	88.3
	Avg Min	53.7	56.2	56.1	49.3	44.4	40.3	37.9	38.9	41.4	39.7	49.4	52.6	57.2	57.2	58.6
	Average	66.6	71.9	71.1	64.5	54.9	47.2	47.7	49.8	52.2	49.9	64.1	66.1	74.0	75.9	73.5
MARE ISLAND	Maximum	89	90	95	87	82	63	65	66	71	67	91	98	93	90	96
	Minimum	55	56	54	47	40	36	35	41	41	42	45	53	57	53	58
	Avg Max	77.1	77.6	79.1	74.3	63.1	52.9	55.3	57.9	61.7	59.3	74.3	73.6	81.8	79.3	81.4
	Avg Min	58.3	58.4	59.8	55.4	51.7	45.1	44.1	44.6	46.8	45.6	54.2	57.0	60.0	58.5	61.9
	Average	67.7	68.0	69.4	64.9	57.4	49.0	49.7	51.3	54.3	52.5	64.3	65.3	70.9	68.9	71.7
NAPA STATE HOSPITAL	Maximum	96	98	102	93	89	65	69	70	70	66	92	90	99	98	102
	Minimum	47	48	45	37	31	29	29	32	31	33	38	48	49	49	49
	Avg Max	80.2	83.1	83.4	78.9	65.1	55.9	59.4	62.9	62.2	59.5	75.7	74.3	82.9	84.9	85.4
	Avg Min	51.5	52.8	52.1	48.2	45.1	40.6	39.0	38.5	40.3	38.1	47.6	51.6	54.0	53.4	54.3
	Average	65.9	68.0	67.8	63.6	55.1	48.3	49.2	50.7	51.3	48.8	61.7	63.0	68.5	69.2	69.9
SAINT HELENA	Maximum	102	106	100	94	92	64	71	78	72	68	96	96	102	104	101
	Minimum	45	46	42	33	30	26	28	29	28	30	34	46	46	47	46
	Avg Max	86.4	91.8	86.1	81.8	63.6	55.7	59.0	64.7	61.5	57.7	78.7	79.0	89.8	92.3	87.7
	Avg Min	50.2	51.8	50.2	44.3	43.8	39.1	37.0	36.9	38.5	37.1	45.3	52.2	53.2	52.7	52.3
	Average	68.3	71.8	68.2	63.1	53.7	47.4	48.0	50.8	50.0	47.4	62.0	65.6	71.5	72.5	70.0
VETERANS HOME	Maximum	96	102	98	90	84	66	67	74	69	67	94	100	104	103	99
	Minimum	48	45	44	34	34	28	31	33	32	32	35	48	47	46	45
	Avg Max	87.2	87.6	84.5	76.7	65.0	55.1	57.7	61.7	62.7	61.1	79.7	79.9	89.2	89.6	85.8
	Avg Min	51.9	53.6	53.2	45.9	44.9	41.0	38.5	39.2	39.9	39.4	47.9	53.7	54.3	54.0	53.3
	Average	69.6	70.6	68.8	61.3	55.0	48.1	48.1	50.5	51.3	50.3	63.8	66.8	71.8	71.8	69.6
YOUNTVILLE GAMBLE	Maximum	97	99	90	93	87	61									
	Minimum	41	40	33	26	26	26									
	Avg Max	81.6	85.4	80.9	77.4	62.4	53.0									
	Avg Min	47.6	47.2	42.4	38.6	41.3	38.1									
	Average	64.6	66.3	61.6	58.0	51.8	45.6	RE								

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan	Feb	Mar	Apr.	May	June	July	Aug.	Sept.
SAN FRANCISCO BAY AREA																
EAST BAY (E4)																
ALAMO 1 N	Maximum	102	103	99	88	83	63	64	69	69	66	96	99	107	105	97
	Minimum	36	50	45	39	31	27	30	30	31	33	36	48	43	50	48
	Avg Max	84.2	90.9	83.6	75.2	64.3	53.8	55.3	58.2	61.7	60.8	77.6	79.4	93.5	93.3	87.6
	Avg Min	50.8	55.1	52.6	47.1	43.6	39.6	36.7	36.4	39.1	39.1	46.8	51.6	54.6	56.3	55.9
	Average	67.5	73.0	68.1	61.2	54.0	46.7	46.0	47.3	50.4	50.0	62.2	65.5	74.0	74.8	71.8
BERKELEY	Maximum	--	80	93	86	81	62	67	68	66	61	85	75	79	77	91
	Minimum	--	49	42	45	38	35	37	39	39	37	43	50	52	51	52
	Avg Max	--	68.3	71.9	70.4	61.8	55.5	57.3	60.7	58.2	56.0	68.0	64.9	69.1	69.0	71.7
	Avg Min	--	--	54.1	52.3	48.7	42.7	43.5	43.4	44.5	43.5	50.3	52.0	54.1	53.9	57.2
	Average	--	--	63.0	61.4	55.3	49.1	50.4	52.1	51.4	49.8	59.2	58.5	61.6	61.5	64.5
CROCKETT	Maximum	92	100	98	88	82	66	68	67	68	62	89	91	97	93	96
	Minimum	50	52	50	44	34	30	32	34	38	37	41	49	52	53	53
	Avg Max	81.1	86.1	83.4	76.5	65.1	53.9	55.4	58.2	60.8	58.3	73.4	73.1	84.4	86.3	83.3
	Avg Min	54.2	55.3	55.8	51.1	47.4	42.4	39.8	40.6	43.5	42.6	49.9	52.4	54.7	55.2	58.0
	Average	67.7	70.7	69.6	63.8	56.3	48.2	47.6	49.4	52.2	50.5	61.7	62.8	69.6	70.8	70.7
MARTINEZ FIRE STN	Maximum	96	101	96	88	81	63	64	64	68	67	88	95	100	98	94
	Minimum	50	53	49	40	33	29	30	33	35	32	41	48	51	51	51
	Avg Max	83.0	86.6	81.9	75.6	64.5	53.9	54.7	58.1	61.0	59.7	72.4	76.8	88.2	88.9	84.3
	Avg Min	54.5	55.9	56.0	49.1	45.9	41.6	38.2	39.7	42.2	42.1	49.3	52.2	56.1	55.6	57.1
	Average	68.8	71.3	69.0	62.4	55.2	47.8	46.5	48.9	51.6	50.9	60.9	64.5	72.2	72.3	70.7
MOUNT DIABLO N GATE	Maximum	104	107	100	92	90	75	73	74	71	61	94	100	100	104	96
	Minimum	46	47	45	42	33	34	32	31	31	31	35	41	58	60	48
	Avg Max	87.4	94.5	85.3	78.1	63.5	56.3	57.7	62.1	58.4	51.4	74.1	76.2	93.0	94.8	87.0
	Avg Min	57.5	63.9	55.9	53.0	45.9	40.9	42.5	42.9	39.6	35.9	49.8	53.2	66.4	69.0	60.5
	Average	72.5	79.2	70.6	65.6	54.7	48.6	50.1	52.5	49.0	43.7	62.0	64.7	79.7	81.9	73.8
OAKLAND 39TH AVE	Maximum	90	92	97	89	86	64	68	69	69	65	90	87	93	92	95
	Minimum	45	48	48	42	35	31	32	38	38	34	42	49	49	48	50
	Avg Max	75.6	78.7	79.0	74.6	63.1	55.6	59.6	61.9	60.7	58.2	73.6	71.3	79.0	79.6	78.8
	Avg Min	51.3	51.3	52.2	51.3	45.5	39.6	40.7	43.1	44.0	41.4	47.9	50.7	52.2	51.5	54.1
	Average	63.4	65.0	65.6	63.0	54.3	47.6	50.2	52.5	52.4	49.8	60.8	61.0	65.6	65.6	66.5
OAKLAND CITY HALL	Maximum	85	80	97	88	84	62	66	67	67	59	86	75	78	80	91
	Minimum	51	51	53	50	41	38	38	39	41	38	46	49	53	51	54
	Avg Max	68.6	68.3	72.2	70.4	61.2	54.5	56.0	59.8	57.5	55.0	67.0	63.9	70.1	69.5	73.4
	Avg Min	55.7	53.5	56.7	54.6	50.8	45.0	44.6	44.7	45.9	44.3	50.6	51.6	54.6	54.6	58.2
	Average	62.2	60.9	64.4	62.5	56.0	49.8	50.3	52.3	51.7	49.7	58.8	57.8	62.4	62.1	65.8

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb.	Mar	Apr.	May	June	July	Aug	Sept.
SAN FRANCISCO BAY AREA																
EAST BAY (E4) (CONT.)																
OAKLAND WB AP	Maximum	86	84	92	87	76	65	64	67	65	60	84	77	83	79	90
	Minimum	53	55	53	47	38	34	38	40	42	41	46	52	54	53	57
	Avg Max	69.2	71.8	73.3	70.0	61.6	55.4	55.9	59.0	58.1	56.0	66.7	65.3	70.3	71.0	73.6
	Avg Min	57.2	58.1	58.6	54.2	50.5	45.2	44.5	45.5	48.3	46.9	52.5	54.5	57.0	56.8	59.3
	Average	63.2	65.0	66.0	62.1	56.1	50.3	50.2	52.3	53.2	51.5	59.6	59.9	63.7	63.9	66.5
PORT CHICAGO NAD	Maximum	96	101	103	88	80	63	68	66	70	67	92	98	101	101	96
	Minimum	49	49	45	37	28	23	23	26	28	31	36	48	49	50	50
	Avg Max	86.2	89.7	84.8	77.6	63.9	54.1	56.7	59.8	62.7	60.0	77.6	81.1	91.7	92.7	86.9
	Avg Min	52.8	53.5	52.3	46.6	43.5	39.0	36.4	36.8	39.0	38.9	45.3	51.0	54.2	53.7	55.2
	Average	69.5	71.6	68.6	62.1	53.7	46.6	46.6	48.3	50.9	49.5	61.5	66.1	73.0	73.2	71.1
RICHMOND	Maximum	81	85	95	89	86	63	68	67	69	65	87	76	83	79	94
	Minimum	53	51	51	44	39	32	36	38	39	39	44	51	52	53	40
	Avg Max	68.7	70.8	74.8	73.3	64.7	56.3	59.4	61.7	61.7	58.4	68.9	65.1	69.3	69.5	73.7
	Avg Min	55.1	55.4	57.3	52.9	49.4	44.3	43.0	42.6	45.6	44.8	51.3	53.4	55.2	55.6	57.1
	Average	61.9	63.1	66.1	63.1	57.1	50.3	51.2	52.2	53.7	51.6	60.1	59.3	62.3	62.6	65.4
SAINT MARYS COLLEGE	Maximum	96	99	96	86	80	58	63	65	68	61	92	94	98	100	93
	Minimum	45	48	42	33	27	23	23	26	30	30	33	47	51	47	49
	Avg Max	78.6	85.6	81.4	73.2	61.0	52.0	54.2	57.8	59.2	55.3	74.0	73.3	85.5	87.9	81.3
	Avg Min	52.9	55.3	52.5	45.7	42.1	38.1	35.4	34.7	39.0	37.0	45.4	50.6	55.1	54.4	54.5
	Average	65.8	70.5	67.0	59.5	51.6	45.1	44.8	46.3	49.1	46.2	59.7	62.0	70.3	71.2	67.9
UPPER SAN LEANDRO FIL	Maximum	85	89	95	88	86	63	68	66	70	62	88	85	91	90	-
	Minimum	49	49	49	43	37	32	34	36	37	36	40	47	50	51	50
	Avg Max	72.2	76.7	76.3	73.2	64.2	55.8	58.6	60.8	60.3	56.5	70.1	67.9	76.3	78.1	-
	Avg Min	51.5	52.8	54.1	50.6	46.5	41.4	41.5	40.3	41.8	39.5	47.0	50.7	53.1	53.2	55.0
	Average	61.9	64.8	65.2	61.9	55.4	48.6	50.1	50.6	51.1	48.0	58.6	59.3	64.7	65.7	-
WALNUT CREEK 2 ESE	Maximum	102	103	100	99	85	63	67	72	70	65	94	97	100	103	96
	Minimum	44	47	43	32	26	23	23	26	30	32	35	45	46	47	47
	Avg Max	83.5	90.1	83.6	76.1	64.7	54.3	56.6	60.5	62.4	58.8	77.5	77.4	90.7	93.3	86.7
	Avg Min	51.3	52.2	49.6	42.7	41.1	38.1	33.9	35.2	37.5	38.1	44.5	50.6	52.8	52.4	52.1
	Average	67.4	71.2	66.6	59.4	52.9	46.2	45.3	47.9	50.0	48.5	61.0	64.0	71.8	72.9	69.4
ALAMEDA CREEK (E5)																
LIVERMORE COUNTY FD	Maximum	98	102	95	86	80	62	66	66	69	62	98	103	101	104	92
	Minimum	50	52	47	38	30	28	30	29	31	32	38	48	50	52	52
	Avg Max	83.6	89.1	80.9	74.2	62.3	52.7	55.8	57.7	61.1	53.7	76.5	78.2	91.4	92.0	84.8
	Avg Min	53.8	57.9	54.3	46.9	45.0	39.5	38.0	36.9	40.1	40.0	46.7	52.7	55.5	56.8	57.6
	Average	68.7	73.5	67.6	60.6	53.7	46.1	46.9	47.3	50.6	49.4	61.6	65.5	73.5	74.4	71.2

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.
SAN FRANCISCO BAY AREA																
ALAMEDA CREEK (E5) (CONT.)																
LIVERMORE SEWAGE PLT	Maximum	100	104	100	90	84	62	68	70	70	68	96	98	102	104	98
	Minimum	46	43	44	34	29	24	26	26	29	32	34	44	44	47	48
	Avg Max	82.6	89.7	85.5	77.7	65.1	54.6	57.2	60.1	61.6	58.3	76.3	78.1	89.7	92.6	86.5
	Avg Min	52.2	54.0	51.8	44.2	42.4	37.9	35.1	35.2	38.7	39.2	45.8	51.1	52.9	54.2	53.6
	Average	67.4	71.8	68.6	61.0	53.8	46.2	46.2	47.6	50.2	48.8	61.0	64.6	71.3	73.4	70.0
LIVERMORE 2 SSW	Maximum	101	105	101	92	84	62	66	69	70	62	95	99	104	108	99
	Minimum	46	51	44	38	31	25	31	30	30	32	35	43	48	49	50
	Avg Max	83.8	91.2	84.1	77.6	65.0	54.0	57.7	58.5	60.9	56.4	74.2	77.7	91.8	94.2	87.6
	Avg Min	51.6	55.0	52.4	47.4	43.4	38.8	36.6	35.9	39.6	39.5	45.7	49.9	53.5	55.4	55.2
	Average	67.7	73.1	68.3	62.5	54.2	46.4	47.2	47.2	50.3	48.0	60.0	53.8	72.7	74.8	71.4
MOUNT HAMILTON	Maximum	87	90	87	83	74	-	69	70	60	45	84	86	92	93	84
	Minimum	44	40	38	35	29	-	24	23	23	23	30	34	58	64	44
	Avg Max	75.7	81.7	72.8	70.5	-	-	51.5	54.5	47.4	39.3	64.7	69.8	83.3	86.0	77.0
	Avg Min	57.9	65.5	52.2	52.1	-	-	37.0	39.9	34.0	28.2	48.1	53.2	66.3	70.9	59.7
	Average	66.8	73.6	62.5	61.3	-	-	44.3	47.2	40.7	33.8	56.4	61.5	74.8	78.5	68.4
NEWARK	Maximum	84	89	94	85	82	65	65	65	69	63	88	87	90	89	93
	Minimum	50	52	49	45	38	31	33	38	35	37	43	51	54	54	55
	Avg Max	71.0	73.2	76.4	72.4	63.7	56.2	56.5	59.0	60.4	56.4	69.5	69.9	77.1	78.8	78.3
	Avg Min	54.2	56.0	55.2	52.1	48.2	43.5	40.5	42.4	45.1	44.2	51.8	53.8	56.0	56.8	59.0
	Average	62.6	64.6	65.8	62.3	56.0	49.9	48.5	50.7	52.8	50.3	60.7	61.9	66.6	67.8	68.7
PLEASANTON NURSERY	Maximum	100	103	100	92	86	60	70	70	72	63	96	96	100	103	96
	Minimum	45	46	42	33	29	25	26	28	28	32	34	44	48	48	50
	Avg Max	83.8	90.5	83.6	78.3	64.7	54.1	58.0	61.6	60.8	56.5	75.2	77.7	91.8	93.2	86.7
	Avg Min	50.6	53.6	50.6	44.9	42.6	39.3	36.5	36.6	41.5	40.1	46.3	51.8	53.2	54.1	54.8
	Average	67.2	72.1	67.1	61.6	53.6	46.7	47.2	49.1	51.1	48.3	60.8	64.8	72.5	73.6	70.8
SANTA CLARA VALLEY (E6)																
ALAMITOS PERC POND	Maximum	94	96	97	90	88	69	69	71	72	64	95	93	100	97	99
	Minimum	49	49	46	39	34	28	31	34	33	35	37	48	50	51	51
	Avg Max	81.1	86.3	82.6	77.2	66.3	57.5	60.3	63.6	62.8	58.7	75.6	78.7	87.1	88.7	84.7
	Avg Min	53.2	54.9	52.6	49.0	46.1	40.1	38.1	39.5	42.0	41.5	49.6	52.6	55.8	56.4	57.1
	Average	67.2	70.6	67.6	63.1	56.2	48.8	49.2	51.6	52.4	50.1	62.6	65.6	71.4	72.6	70.9
LEXINGTON RESERVOIR	Maximum	96	101	96	90	85	64	66	73	71	65	93	97	100	101	100
	Minimum	43	42	40	35	29	27	29	31	26	31	33	32	43	33	30
	Avg Max	84.7	89.3	84.0	75.7	60.8	53.8	57.8	63.1	60.9	56.3	75.5	78.2	89.7	91.1	87.0
	Avg Min	48.7	50.1	49.0	46.2	43.2	38.3	38.5	37.3	41.2	37.8	45.1	48.7	52.0	48.8	48.0
	Average	66.7	69.7	66.5	61.0	52.0	46.0	48.2	50.2	51.0	47.1	60.3	63.4	70.8	70.0	67.5

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug	Sept.
SAN FRANCISCO BAY AREA																
SANTA CLARA VALLEY (E6) (CONT.)																
LOS GATOS	Maximum	95	97	96	89	86	66	69	71	71	63	94	94	100	98	97
	Minimum	46	49	44	36	32	26	30	32	30	30	35	44	48	50	49
	Avg Max	81.2	86.4	82.5	76.3	64.3	57.0	59.7	63.2	62.6	58.2	76.6	78.2	87.2	88.6	84.9
	Avg Min	51.6	54.3	51.5	47.4	44.0	38.5	38.8	37.6	40.5	39.5	46.6	50.9	54.6	55.3	55.2
	Average	66.4	70.4	67.0	61.9	54.2	47.8	49.3	50.4	51.6	48.9	61.6	64.6	70.9	72.0	70.1
BAYSIDE - SAN MATEO (E7)																
SAN FRANCISCO WB AP	Maximum	87	85	93	87	82	61	66	65	67	60	86	77	87	80	92
	Minimum	50	50	50	42	36	32	36	39	39	38	44	49	50	51	55
	Avg Max	68.4	71.7	73.8	70.6	61.9	54.8	56.5	59.9	59.5	57.4	67.0	66.5	71.9	71.7	75.1
	Avg Min	52.6	52.8	54.2	50.2	47.5	43.1	41.8	42.8	45.3	44.3	49.9	52.1	53.5	53.9	57.6
	Average	60.5	62.3	64.0	60.4	54.7	49.0	49.2	51.4	52.4	50.9	58.5	59.3	62.7	62.8	66.4
SAN FRANCISCO FOB	Maximum	79	77	95	85	86	63	67	66	65	59	84	68	78	72	87
	Minimum	49	50	53	50	46	41	40	42	41	40	48	49	50	51	56
	Avg Max	63.8	64.7	70.2	70.0	62.6	55.9	58.0	59.5	58.2	55.3	64.8	62.4	63.9	63.8	69.3
	Avg Min	52.5	52.9	56.9	55.2	51.8	46.7	47.2	46.9	47.2	46.2	50.9	51.8	53.8	54.5	57.7
	Average	58.2	58.8	63.6	62.6	57.2	51.3	52.6	53.2	52.7	50.8	57.9	57.1	58.9	59.2	63.5
SAN MATEO	Maximum	90	90	97	90	80	66	71	68	68	62	90	90	94	87	98
	Minimum	46	47	47	44	35	36	38	39	38	37	46	49	43	49	51
	Avg Max	74.2	78.6	78.4	74.8	64.7	58.1	59.5	62.8	61.2	57.5	70.4	69.4	77.8	79.1	81.0
	Avg Min	54.7	56.7	54.3	53.2	49.9	47.5	46.1	46.7	47.5	44.4	53.7	53.2	52.5	54.1	57.3
	Average	64.5	67.6	66.4	64.0	57.3	52.8	52.8	54.8	54.4	51.0	62.1	61.3	65.2	66.6	69.2
COAST - SAN MATEO (E8)																
HALF MOON BAY	Maximum	69	70	89	89	87	65	72	69	67	58	78	64	71	71	78
	Minimum	42	44	45	39	39	33	37	35	35	36	40	46	48	50	50
	Avg Max	62.8	64.4	69.4	70.6	64.3	59.4	60.	62.7	57.9	56.0	62.4	60.2	63.5	63.4	68.1
	Avg Min	48.6	51.1	49.9	47.4	46.1	42.1	43.4	43.6	43.5	42.7	44.0	50.1	53.7	53.6	55.1
	Average	55.7	57.8	59.7	59.0	55.2	50.8	51.9	53.2	50.7	49.4	53.2	55.2	58.6	58.5	61.6
SAN FRANCISCO SUNSET	Maximum	68	68	96	87	85	62	68	70	74	59	70	66	70	70	79
	Minimum	50	50	50	-	39	40	39	39	40	37	41	47	51	47	54
	Avg Max	62.2	62.0	67.3	68.1	63.6	56.8	58.0	61.6	59.6	56.9	61.5	59.3	63.0	62.8	68.0
	Avg Min	54.0	54.2	55.5	55.0	49.1	48.4	47.5	49.0	49.8	45.4	53.9	51.9	56.8	55.1	56.4
	Average	58.1	58.1	61.4	61.6	56.4	52.6	52.8	55.3	54.7	51.2	57.7	55.6	59.9	59.0	62.2

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.
SAN FRANCISCO BAY AREA																
COAST - SAN MATEO (E8) (CONT.)																
SAN GREGORIO 2 SE	Maximum	84	80	93	89	89	71	71	74	66	60	80	76	77	74	89
	Minimum	37	40	40	33	33	28	29	32	32	34	35	42	40	43	44
	Avg Max	68.7	70.0	73.4	71.9	63.9	60.1	60.0	63.3	58.4	56.9	64.0	62.2	68.2	69.4	73.1
	Avg Min	48.6	48.3	48.6	43.7	44.0	39.7	39.5	38.6	41.0	40.4	44.5	49.1	49.4	49.9	50.7
	Average	58.7	59.2	61.0	57.8	54.0	49.9	49.8	51.0	49.7	48.7	54.3	55.7	58.8	59.7	61.9

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan	Feb.	Mar	Apr	May	June	July	Aug	Sept.
NORTH COASTAL AREA																
MENDOCINO COAST (F8)																
BOONVILLE HMS	Maximum	100	106	107	99	96	69	75	80	77	70	95	103	-	107	106
	Minimum	41	41	39	28	30	26	27	26	28	30	36	42	-	42	45
	Avg Max	85.4	90.2	88.0	81.9	70.2	59.9	59.5	68.4	63.5	59.0	77.9	81.8	-	94.3	91.4
	Avg Min	49.4	49.4	47.2	42.4	41.2	40.6	36.4	35.6	38.8	38.2	42.0	49.7	-	50.2	49.7
	Average	67.4	69.8	67.6	62.2	55.7	50.2	48.0	52.0	51.2	48.6	60.0	65.8	-	72.2	70.6
FORT BRAGG	Maximum	68	70	85	71	75	64	60	67	63	60	69	64	68	70	78
	Minimum	44	44	44	38	35	31	33	35	33	33	38	44	40	38	49
	Avg Max	63.6	62.5	66.5	63.2	60.7	57.0	55.3	57.8	56.2	55.4	59.7	59.2	62.6	62.0	66.8
	Avg Min	49.2	48.3	50.3	46.3	46.8	43.3	39.9	39.6	39.9	39.9	45.6	48.3	48.1	48.1	51.8
	Average	56.4	55.4	58.4	54.8	53.8	50.2	47.6	48.7	48.1	47.7	52.7	53.8	55.4	55.1	59.3
FORT BRAGG AVIATION	Maximum	67	72	77	74	70	63	60	66	62	59	63	66	66	68	85
	Minimum	40	39	41	32	32	31	30	29	30	32	36	40	41	-	44
	Avg Max	62.4	62.8	65.7	62.1	59.6	57.3	55.3	57.5	55.6	55.4	58.7	60.0	62.4	-	67.0
	Avg Min	46.9	47.2	47.7	43.7	44.6	43.0	39.1	37.9	38.5	39.1	43.4	47.1	45.3	-	49.6
	Average	54.7	55.0	56.7	52.9	52.1	50.2	47.2	47.7	47.1	47.3	51.1	53.6	53.9	-	58.3
FORT ROSS	Maximum	68	71	92	80	80	62	68	64	61	61	72	66	74	74	94
	Minimum	43	44	45	41	40	34	35	35	34	37	39	42	43	45	46
	Avg Max	64.9	64.6	68.1	67.3	60.5	56.6	57.7	57.6	56.3	55.9	61.5	60.6	65.2	64.4	69.1
	Avg Min	47.3	48.4	50.8	47.2	48.0	44.2	42.7	41.3	41.6	40.5	44.2	47.4	47.2	49.2	51.7
	Average	56.1	56.5	59.5	57.3	54.3	50.4	50.2	49.5	49.0	48.2	52.9	54.0	56.2	56.8	60.4
POINT ARENA	Maximum	69	72	95	84	76	61	62	65	61	60	74	66	75	74	89
	Minimum	45	46	45	39	38	34	34	35	35	34	38	46	47	47	48
	Avg Max	65.4	64.2	68.7	67.2	59.0	56.5	56.0	58.1	56.0	55.3	62.3	60.7	63.8	65.0	71.3
	Avg Min	49.5	49.2	51.5	47.8	46.1	44.8	42.6	40.9	41.8	39.5	44.5	49.4	49.6	49.3	52.1
	Average	57.5	56.7	60.1	57.5	52.6	50.7	49.3	49.5	48.9	47.4	53.4	55.1	56.7	57.2	61.7
RUSSIAN RIVER (F9)																
CLOVERDALE 3 SSE	Maximum	97	104	107	96	95	62	74	80	71	65	97	97	103	105	102
	Minimum	47	47	46	38	35	29	31	34	31	31	36	47	46	46	48
	Avg Max	87.2	91.1	87.0	80.8	64.5	54.6	58.4	64.8	60.0	56.5	78.5	79.1	92.9	94.0	88.8
	Avg Min	51.9	52.1	51.0	47.3	43.9	39.2	37.7	38.0	38.0	37.2	46.0	51.1	53.5	52.1	53.5
	Average	69.6	71.6	69.0	64.1	54.2	46.9	48.1	51.4	49.0	46.9	62.3	65.1	73.2	73.1	71.2
COYOTE DAM	Maximum	102	104	103	94	92	63	70	80	75	61	94	102	103	106	102
	Minimum	37	35	40	30	28	25	26	29	28	30	30	39	48	46	46
	Avg Max	88.0	92.9	86.6	80.0	63.0	56.0	56.6	64.8	61.3	55.2	77.6	81.8	93.3	93.3	92.8
	Avg Min	48.0	51.6	47.8	40.8	38.9	36.7	36.0	34.8	37.8	37.0	42.0	49.8	53.2	53.0	49.5
	Average	68.0	72.2	67.2	60.4	51.0	46.4	46.3	49.8	49.6	46.1	59.8	65.8	73.2	75.6	71.2

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept
NORTH COASTAL AREA																
RUSSIAN RIVER (P9) (CONT.)																
GRATON	Maximum	99	105	105	96	90	64	71	72	69	68	92	92	100	96	103
	Minimum	43	42	40	33	31	27	28	30	30	32	34	46	44	45	47
	Avg Max	83.5	84.3	84.3	80.4	62.0	53.8	57.5	61.6	60.1	58.4	76.4	75.5	86.1	86.1	86.9
	Avg Min	48.6	50.2	49.5	43.7	43.6	41.1	37.5	37.5	39.2	37.6	44.6	50.9	50.7	50.0	52.7
	Average	66.1	67.3	66.9	62.1	52.8	47.5	47.5	49.6	49.7	48.0	60.5	63.2	68.4	68.1	69.8
GRATON 1 W	Maximum	95	100	100	90	83	67	69	73	70	68	90	88	97	96	100
	Minimum	42	43	41	33	30	26	28	30	29	30	34	43	41	42	44
	Avg Max	82.0	83.4	81.2	76.0	60.8	54.6	57.6	62.0	61.1	58.4	75.5	74.1	84.0	84.0	84.6
	Avg Min	46.8	48.4	48.5	43.3	43.7	40.4	37.3	36.7	37.8	36.4	42.9	49.0	48.1	47.0	49.8
	Average	64.4	65.9	64.9	59.7	52.3	47.5	47.5	49.4	49.5	47.4	59.2	61.6	66.1	65.5	67.2
HEALDSBURG	Maximum	98	105	108	98	91	65	72	79	74	70	95	95	104	105	103
	Minimum	47	46	44	36	33	29	31	33	32	33	37	47	47	48	50
	Avg Max	87.7	90.7	87.2	82.1	64.3	56.3	60.2	65.2	63.2	60.4	80.0	80.1	91.8	93.0	90.0
	Avg Min	51.6	52.5	52.3	47.6	45.8	42.0	39.0	38.8	40.8	38.9	47.1	51.0	52.6	51.9	54.8
	Average	69.7	71.6	69.8	64.9	55.1	49.2	49.6	52.0	52.0	49.7	63.6	65.6	72.2	72.5	72.4
INVERNESS MERY	Maximum	82	88	100	90	88	64	70	71	68	64	80	86	87	85	94
	Minimum	44	44	46	38	33	30	30	33	31	34	37	42	46	42	48
	Avg Max	70.0	74.6	74.6	72.1	62.2	57.0	59.4	63.1	59.4	58.7	65.5	68.0	71.8	75.1	74.4
	Avg Min	49.7	50.0	52.3	48.5	45.2	41.3	39.0	39.6	41.7	39.7	45.8	48.8	51.0	50.6	54.4
	Average	59.9	62.3	63.4	60.3	53.7	49.2	49.2	51.4	50.6	49.2	55.7	51.6	61.4	62.9	64.4
KNIGHTS VALLEY	Maximum	-	-	-	-	88	64	75	79	70	65	92	-	98	102	99
	Minimum	-	-	-	-	27	24	24	26	25	28	31	-	42	39	41
	Avg Max	-	-	-	-	64.3	56.6	59.6	64.8	59.1	56.3	75.7	-	91.6	92.0	87.3
	Avg Min	-	-	-	-	41.8	38.5	35.7	35.3	35.5	35.6	40.5	-	50.5	46.7	48.9
	Average	-	-	-	-	53.1	47.6	47.7	50.1	47.3	46.0	58.1	-	71.1	69.4	68.1
POTTER VALLEY PH	Maximum	103	104	102	93	93	66	70	80	77	64	97	103	101	105	103
	Minimum	43	-	37	28	25	21	21	26	24	26	30	40	47	46	45
	Avg Max	91.4	-	-	82.4	-	58.1	57.3	68.3	60.6	56.7	-	-	-	-	-
	Avg Min	48.5	-	-	38.3	-	34.7	32.4	33.1	33.0	33.3	-	-	-	-	-
	Average	70.0	-	-	60.4	-	46.4	44.9	50.7	46.8	45.0	-	-	-	-	-
SANTA ROSA SEWAGE PLT	Maximum	90	97	102	93	86	65	72	70	67	67	87	83	94	95	100
	Minimum	45	45	42	35	28	25	24	29	29	31	35	44	45	42	36
	Avg Max	78.6	81.0	80.4	78.5	62.8	58.3	58.2	61.1	59.9	57.7	71.5	71.0	80.3	82.0	82.4
	Avg Min	49.1	50.1	49.5	44.5	42.2	39.4	35.1	35.6	38.5	37.5	43.8	48.8	49.9	49.7	51.3
	Average	63.8	65.6	65.0	61.5	52.5	48.8	46.6	48.4	49.2	47.6	57.6	59.9	65.1	65.8	66.8

TABLE A-3

TEMPERATURE DATA

CENTRAL COASTAL AREA

Station Name		TEMPERATURE IN DEGREES FAHRENHEIT														
		1966						1967								
		July	Aug	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr	May	June	July	Aug	Sept.
NORTH COASTAL AREA																
RUSSIAN RIVER (F9) (CONT.)																
SANTA ROSA	Maximum	94	101	104	95	89	66	75	71	72	70	91	89	97	100	100
	Minimum	45	44	41	34	29	27	28	30	30	31	36	45	45	47	48
	Avg Max	82.6	86.3	84.4	80.7	64.5	56.2	60.5	63.9	63.2	61.2	77.0	76.1	85.7	88.1	87.0
	Avg Min	48.6	49.7	49.6	44.2	44.2	40.7	37.2	37.3	40.0	38.0	45.0	49.5	50.9	50.6	53.3
	Average	65.6	68.0	67.0	62.5	54.4	48.5	48.9	50.6	51.6	49.6	61.0	62.8	68.3	69.4	70.2
UKIAH	Maximum	103	105	106	97	92	68	75	80	78	65	99	104	104	109	105
	Minimum	45	46	43	32	28	26	26	29	27	30	34	42	50	50	49
	Avg Max	88.8	92.8	87.7	81.8	63.4	58.1	58.2	68.1	60.7	57.2	80.1	85.0	94.8	99.3	92.1
	Avg Min	51.5	53.9	51.0	44.1	42.8	38.7	36.5	36.0	37.5	37.1	45.9	51.9	56.1	55.8	53.8
	Average	70.2	73.4	69.4	63.0	53.1	48.4	47.4	52.1	49.1	47.2	63.0	68.5	75.5	77.6	73.0
WOODACRE	Maximum	95	99	98	87	81	60	66	66	70	64	93	93	97	101	94
	Minimum	41	45	40	31	25	24	24	27	27	31	33	43	42	42	45
	Avg Max	78.0	83.2	80.0	74.8	60.9	52.5	56.1	60.8	60.5	56.3	74.1	73.8	83.8	87.1	82.3
	Avg Min	48.0	49.4	49.2	43.8	42.7	40.4	36.8	36.0	39.6	37.7	43.9	49.6	49.7	49.4	51.2
	Average	63.0	66.3	64.6	59.3	51.8	46.5	46.5	48.4	50.1	47.0	59.0	61.7	66.8	68.8	66.8

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.

RE - Record ends.

RB - Record begins.

-- - 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	1966						1967									Total Oct 1 To Sept 30
			July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sept.	
CENTRAL COASTAL AREA																		
LOWER SALINAS RIVER (D2)																		
SALINAS de DAMPIERRE	Evap	49.85	7.37	7.29	5.28	4.38	3.18	1.42	2.55	2.10	3.23	4.55	3.89	4.61	6.64	6.03	5.13	47.71
	Wind	--	3315	2435	3017	--	--	2185	1475	1854	2428	2599	2711	3129	3150	2949	2314	--
SOLEDAD CTF	Evap	59.18	8.14	7.23	6.02	5.28	3.15	2.00	2.78	2.62	3.79	4.17	7.21	6.79	8.87	--	6.12	--
	Wind	57221	6423	5541	4618	4197	4050	4025	4225	3390	4714	4006	5807	6225	5225	4538	3869	54271
	Avg Max	68.4	75.5	79.2	76.7	70.9	63.0	56.2	57.4	63.0	65.3	63.1	76.0	75.0	69.5	64.5	63.4	65.6
	Avg Min	45.9	50.5	53.4	51.9	46.9	45.7	40.0	38.5	40.7	42.7	42.3	48.0	50.7	43.5	38.1	37.8	42.9
UPPER SALINAS RIVER (D3)																		
NACIMIENTO DAM	Evap	65.91	11.07	11.03	7.82	5.42	2.66	1.43	1.73	1.97	3.23	3.72	7.26	8.57	11.25	10.77	7.35	65.38

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	1966						1967									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 (E3)																		
DUTTONS LANDING	Evap	55.70	9.30	8.33	7.69	5.46	1.97	0.91	1.57	1.86	2.95	3.02	6.37	6.27	9.43	7.95	6.32	54.08
	Wind	29409	3826	3565	3240	2581	2067	2101	2171	1680	2222	1631	1346	2979	2285	881	2040	23984
	Avg Max	71.0	83.1	83.1	81.6	74.2	62.7	54.4	55.3	61.0	66.0	65.2	85.6	79.4	84.6	83.6	84.1	71.4
	Avg Min	47.4	54.2	54.2	53.3	47.9	46.5	43.2	39.7	40.8	42.5	42.8	50.6	53.2	56.3	55.9	56.5	48.0
YOUNTVILLE GAMBLE	Evap	50.42	8.58	7.58	6.73	4.91	2.08	1.33	1.70	1.74	2.51	2.95	5.44	4.87	9.15	7.23	7.84	51.75
	Wind	28327	2507	2176	2489	2094	2508	1985	2565	1973	2805	2272	2607	2346	2448	2366	2175	28144
ALAMEDA CREEK (E5)																		
LIVERMORE SEWAGE PLT	Evap	67.06	10.88	11.98	8.00	6.34	2.28	1.18	2.25	2.18	3.22	3.19	7.64	7.92	11.46	11.67	8.91	68.24
	Wind	--	2640	2230	1900	1610	1460	1930	1790	--	--	--	--	--	1880	2090	2270	--
NEWARK	Evap	62.49	9.07	8.98	7.46	5.32	2.44	1.21	1.85	2.14	4.02	4.16	8.21	7.63	9.69	8.22	6.76	61.65
	Wind	37989	3738	3101	3213	2497	2594	3211	1453	2467	3706	3793	4231	3985	3128	2702	2509	36276
SANTA CLARA VALLEY (E6)																		
ALAMITOS PERC POND	Evap	--	9.01	9.02	6.87	4.99	2.10	1.01	--	2.33	3.30	3.03	7.25	7.20	9.48	8.25	6.23	--
	Wind	--	1581	1313	1281	1096	986	804	--	811	--	1383	1290	1254	968	823	780	--
LEROY ANDERSON DAM	Evap	64.01	9.98	10.56	8.01	6.05	2.26	1.15	2.58	2.38	3.59	3.15	7.30	7.00	10.64	9.53	7.56	63.19
	Wind	--	2002	1967	1681	1551	1133	1250	--	1431	1967	1636	1897	1662	1696	1492	1516	--
LEXINGTON RESERVOIR	Evap	--	8.17	8.46	6.20	--	1.96	1.12	1.71	1.71	2.51	2.19	5.89	6.60	8.28	7.91	5.71	--
	Wind	10614	658	723	814	795	1404	946	1571	601	1333	786	369	614	636	507	483	10045
BAYSIDE SAN MATEO (E7)																		
BURLINGAME	Evap	38.85	6.60	6.55	5.10	2.17	1.13	0.49	0.48	0.99	1.44	1.75	6.05	6.10	7.89	5.45	5.28	39.22
	Wind	--	--	--	880	684	829	700	925	559	1220	1033	1112	--	--	671	738	--
	Avg Max	71.5	89.1	87.1	83.5	73.6	59.6	52.2	52.5	58.8	66.9	67.9	81.9	84.7	89.3	87.7	85.7	71.7
	Avg Min	31.6	60.7	60.2	58.3	52.5	48.7	44.3	42.8	44.5	47.7	46.8	54.6	58.4	60.6	59.7	61.0	51.8

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	1966						1967									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 (F9)																		
COYOTE DAM	Evap	63.35	10.15	11.98	7.87	4.85	1.71	1.04	1.50	1.88	2.73	2.79	7.80	9.05	12.23	11.28	8.64	65.60
	Wind	--	1278	834	1483	1394	1232	1090	--	1016	1574	1507	1650	1653	--	--	--	--
	Avg Max	70.1	85.6	87.6	82.2	72.7	59.8	53.2	51.6	59.8	61.8	59.6	81.9	85.5	97.1	97.0	91.9	72.7
	Avg Min	45.4	52.6	56.7	51.5	46.1	42.7	40.1	34.6	36.8	39.5	39.0	48.6	56.8	54.9	53.1	49.0	45.1
GEYSERVILLE HOCKING	Evap																	
	Wind																	
KNIGHTS VALLEY	Evap	--	--	--	--	--	1.40	0.54	1.00	2.08	1.05	0.65	4.87	5.69	6.90	7.62	5.31	--
	Wind	--	--	--	--	667	480	444	716	614	--	--	--	--	--	--	666	--
	Avg Max	--	--	--	--	--	61.6	55.8	56.6	64.5	63.8	63.6	86.2	--	96.5	93.1	87.3	--
	Avg Min	--	--	--	--	--	47.5	44.3	41.6	41.8	43.4	42.5	51.1	--	63.2	58.9	58.2	--
SANTA ROSA SEWAGE PLT	Evap	51.51	8.66	7.92	6.62	4.78	1.57	0.85	1.22	1.77	3.10	2.92	5.99	6.11	8.51	7.89	6.31	51.02
	Wind	27810	3022	2646	2401	1993	2061	1787	2211	1299	2714	2307	2621	2748	2736	2574	2213	27264

Appendix B

SURFACE WATER MEASUREMENT

INTRODUCTION

In this appendix, surface water data are presented for the period October 1, 1966, through September 30, 1967. 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 departmental publication, "Index of Stream Gaging Stations in and Adjacent to California", 1966.

TABLE B-1

SURFACE WATER IMPORTS TO THE CENTRAL COASTAL AREA

IMPORT	1967 WATER YEAR												
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	TOTAL
CITY OF VALLEJO FROM CACHE SLOUGH													
Total acre-feet	1,189	673	81	246	386	393	577	1,220	1,269	1,641	1,615	1,477	10,767
Average cubic feet per second	19	11	1	4	7	6	10	20	21	27	26	25	15
Monthly quantities in percent of seasonal	11.0	6.3	0.8	2.3	3.6	3.6	5.4	11.3	11.8	15.2	15.0	13.7	
CONTRA COSTA CANAL *													
Total acre-feet	7,860	6,059	4,703	4,986	4,439	3,941	3,579	5,770	6,382	8,075	8,241	7,644	71,679
Average cubic feet per second	128	102	76	81	80	64	60	94	107	131	134	128	99
Monthly quantities in percent of seasonal	11.0	8.4	6.6	6.9	6.2	5.5	5.0	8.0	8.9	11.3	11.5	10.7	
HETCH HETCHY AQUEDUCT													
Total acre-feet	20,955	20,424	17,445	15,507	7,462	15,594	11,433	18,962	18,646	20,944	20,939	20,121	208,432
Average cubic feet per second	341	343	284	252	134	254	192	308	313	341	341	338	288
Monthly quantities in percent of seasonal	10.1	9.8	8.4	7.4	3.6	7.5	5.5	9.1	8.9	10.0	10.0	9.7	
MOKELUMNE RIVER AQUEDUCT													
Total acre-feet	16,824	16,457	17,530	16,793	13,923	16,283	14,053	16,550	16,516	18,204	17,986	17,286	198,405
Average cubic feet per second	274	277	285	273	251	265	236	269	278	296	292	290	274
Monthly quantities in percent of seasonal	8.5	8.3	8.8	8.5	7.0	8.2	7.1	8.3	8.3	9.2	9.1	8.7	
POTTER VALLEY POWERHOUSE FROM EEL RIVER													
Total acre-feet	19,420	17,480	18,910	18,910	16,960	17,900	18,110	18,800	17,930	18,750	18,980	18,700	220,900
Average cubic feet per second	316	294	308	308	305	291	304	306	301	305	309	314	305
Monthly quantities in percent of seasonal	8.8	7.9	8.6	8.6	7.6	8.1	8.2	8.5	8.1	8.5	8.6	8.5	
PUTAH SOUTH CANAL **													
Total acre-feet	27,593	4,911	827	1,240	482	1,396	841	11,629	18,371	32,412	30,486	19,021	149,209
Average cubic feet per second	449	83	13	20	9	23	14	189	309	527	496	320	206
Monthly quantities in percent of seasonal	18.5	3.3	0.6	0.8	0.3	0.9	0.6	7.8	12.3	21.7	20.4	12.8	
SOUTH BAY AQUEDUCT													
Total acre-feet	6,159	5,098	4,286	5,466	551	2,907	777	2,250	5,850	7,757	7,663	7,054	55,818
Average cubic feet per second	100	86	70	89	10	47	13	37	98	126	125	119	77
Monthly quantities in percent of seasonal	11.0	9.1	7.7	9.8	1.0	5.2	1.4	4.0	10.5	13.9	13.7	12.7	

* 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

WATER YEAR	STATION NO.	STATION NAME
1967	E31400	RECTOR RESERVOIR NEAR YOUNTVILLE

DAILY MEAN GAGE HEIGHT
(IN FEET)

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	DAY
1	347.33	343.84	355.50	370.20	370.60	370.18	370.39	370.26	368.85	367.20	362.75E	358.45E	1
2	347.20	343.84	356.35	370.20	370.46	370.16	370.33	370.20	368.98	367.06	362.63	358.29	2
3	347.06	343.83	363.25	370.20	370.39	370.17	370.30	370.20	369.23	366.92	362.47	358.17	3
4	346.93	343.81	365.10	370.20	370.37	370.17	370.30	370.20	369.28	366.81	362.31	358.03	4
5	346.80	343.80	370.76	370.20	370.33	370.17	370.33	370.19	369.29	366.70	362.18	357.87	5
6	346.67	343.89	370.65	370.20	370.29	370.17	370.82	370.18	369.30	NR	362.02	357.73	6
7	346.52	343.90	370.45	370.20	370.28	370.17	370.56	370.16	369.29	NR	361.88	357.58	7
8	346.40	343.90	370.36	370.20	370.28	370.17	370.47	370.16	369.25	NR	361.74	357.43	8
9	346.28	343.91	370.34	370.20	370.28	370.16	370.40	370.13	369.20	NR	361.60	357.29	9
10	346.17	343.91	370.45	370.19	370.27	370.16	370.35	370.12	369.19	NR	361.48	357.16	10
11	346.03	343.91	370.39	370.18	370.25	370.21	370.43	370.12	369.12	NR	361.34	357.01	11
12	345.90	343.92	370.37	370.18	370.25	370.22	370.37	370.11	369.08	NR	361.21	356.88	12
13	345.74	343.94	370.33	370.17	370.25	370.28	370.30	370.10	368.99	NR	361.06	356.85	13
14	345.62	343.96	370.32	370.17	370.22	370.29	370.29	370.09	368.90	NR	360.92	356.83	14
15	345.49	344.08	370.30	370.18	370.21	370.28	370.29	370.07	368.82	NR	360.81	356.78	15
16	345.33	344.55	370.30	370.17	370.21	371.10	370.29	370.03	368.74	NR	360.66	356.63	16
17	345.24	344.60	370.28	370.16	370.21	370.57	370.37	370.00	368.65	NR	360.52	356.53	17
18	345.11	344.63	370.28	370.16	370.21	370.45	370.49	369.97	368.55	NR	360.38	356.41	18
19	344.98	344.76	370.27	370.16	370.20	370.39	370.49	369.90	368.47	NR	360.25	356.34	19
20	344.84	347.67	370.26	370.20	370.19	370.33	370.43	369.85	368.37	NR	360.12	356.32	20
21	344.72	349.33	370.26	372.30	370.18	370.32	370.39	369.79	368.27	NR	360.00	356.28	21
22	344.59	351.56	370.25	370.87	370.18	370.30	370.44	369.73	368.16	NR	359.84	356.23	22
23	344.47	352.26	370.25	370.57	370.18	370.31	370.48	369.67	368.03	NR	359.71	356.08	23
24	344.35	352.65	370.25	370.90	370.18	370.29	370.47	369.59	368.00	NR	359.54	355.97	24
25	344.23	352.89	370.25	370.60	370.20	370.28	370.41	369.49	367.95	NR	359.42	355.84	25
26	344.11	353.09	370.21	370.50	370.20	370.28	370.36	369.39	367.80	NR	359.29	355.80	26
27	343.98	353.23	370.21	370.51	370.19	370.27	370.32	369.29	367.70	NR	359.13	355.77	27
28	343.86	353.70E	370.21	370.59	370.18	370.25	370.28	369.20	367.58	NR	359.00	355.74	28
29	343.84	354.30E	370.20	371.17		370.23	370.28	369.12	367.45	NR	358.85	355.71	29
30	343.84	354.80E	370.20	371.29		370.26	370.27	369.01	367.32	NR	358.72E	355.59	30
31	343.84		370.20	370.76		370.47		368.90		NR	358.59E		31

E — ESTIMATED

NR — NO RECORD

NE — NO FLOW

CREST STAGES

DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE
1-21-67	1645	372.60	3-16-67	0930	371.14						

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		
38-26.4	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 370 feet.

TABLE 8-3

DAILY MAXIMUM AND MINIMUM TIDES

SACRAMENTO RIVER AT COLLINSVILLE

STATION NO	WATER YEAR
B91110	1967

in feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	DATE
1	15.72 12.41	15.86 13.37	16.80 11.68	15.11 11.20	17.17 13.77	16.05 11.91	15.86 11.48	15.09 11.56	15.83 12.50	16.22 13.00	NR NR	15.07 11.60	1
2	15.92 12.29	15.96 11.39	17.12 11.90	15.07 11.14	17.02 13.58	16.11 11.70	15.55 11.56	14.88 11.80	14.63 12.82	16.31 12.68	NR NR	16.46 11.48	2
3	15.97 13.14	16.26 11.46	16.10 12.47	15.13 11.17	16.90 13.19	16.19 11.80	15.37 11.53	15.32 12.03	15.93 12.65	16.30 12.29	NR NR	16.40 11.52	3
4	15.84 12.17	15.95 11.94	16.12 11.91	15.43 11.48	16.76 12.85	16.00 11.52	15.50 11.78	15.52 12.44	16.27 12.58	14.95 12.01	NR NR	16.24 11.62	4
5	15.86 11.92	15.79 11.67	16.41 12.78	16.14 11.73	16.77 12.60	15.78 11.25	15.55 11.80	15.73 12.51	16.57 12.40	16.78 12.02	16.80 11.61	16.16 11.80	5
6	15.93 11.79	15.76 11.94	16.68 12.63	16.01 11.30	16.58 12.30	15.59 11.12	15.64 12.08	15.62 12.32	16.36 11.87	16.90 11.93	16.82 11.68	15.86 11.95	6
7	15.53 11.71	15.47 11.69	16.71 12.78	16.08 11.18	16.66 12.22	15.71 11.30	15.65 12.22	15.62 12.02	16.45 11.81	16.95 11.85	16.63 11.65	16.08 12.18	7
8	15.46 11.28	15.45 11.84	16.77 12.56	16.13 11.18	16.40 12.08	15.76 11.46	15.72 12.45	15.78 11.97	16.65 11.84	16.95 11.78	16.51 11.87	16.21 12.18	8
9	15.58 11.23	15.55 11.88	16.91 12.40	16.18 11.13	16.33 12.06	16.06 11.95	15.72 12.31	16.36 12.12	16.86 11.95	16.82 11.72	16.23 12.07	16.29 11.93	9
10	16.01 11.43	15.82 11.94	17.02 12.10	16.07 11.08	16.06 12.05	16.08 12.35	15.87 12.28	16.50 11.97	16.73 11.85	16.59 11.63	16.08 12.21	16.40 11.81	10
11	15.52 12.09	16.19 11.88	16.88 11.88	16.13 11.28	15.64 11.94	15.81 12.01	16.22 12.31	16.25 11.65	16.60 11.82	16.14 11.45	16.09 12.26	16.17 11.75	11
12	15.86 12.03	16.31 11.64	16.87 11.88	16.08 11.42	15.42 12.26	16.05 12.55	16.10 12.10	16.05 11.48	16.61 12.06	15.79 11.63	16.20 12.16	16.25 11.41	12
13	15.29 11.45	16.42 11.65	16.92 12.00	15.71 13.19	15.63 12.90	15.83 12.59	15.94 11.88	15.84 11.31	16.01 11.76	15.93 11.82	16.39 11.92	16.35 11.70	13
14	15.43 11.33	16.50 11.64	16.50 14.07	15.16 11.36	15.87 12.95	15.78 12.34	15.84 11.76	15.65 11.27	15.76 11.85	16.20 12.23	16.60 11.79	15.30 11.81	14
15	15.85 11.43	16.43 13.65	15.83 11.77	14.75 11.28	15.13 12.34	15.80 12.19	15.89 11.88	15.46 11.26	16.15 12.06	16.62 12.52	16.78 11.76	16.33 11.86	15
16	15.85 11.32	16.12 12.02	15.44 11.40	14.84 E 11.35 E	15.10 12.31	16.55 12.85	15.33 11.53	15.33 11.40	16.53 12.52	16.92 12.37	15.19 11.82	16.23 11.89	16
17	15.83 12.69	15.80 11.57	14.99 11.45	14.90 11.45	15.26 12.09	15.68 12.17	15.48 12.06	15.47 11.57	17.01 12.96	17.00 12.12	16.61 11.60	16.08 11.88	17
18	15.66 11.30	15.24 11.48	14.93 11.44	14.95 11.89	15.45 11.88	15.77 12.34	15.48 11.81	15.84 11.81	17.21 12.78	15.12 11.81	16.54 11.58	15.81 11.91	18
19	15.63 11.19	15.42 11.46	14.93 11.53	15.19 11.86	15.81 11.69	15.68 12.19	15.59 11.79	16.17 12.06	15.35 12.28	16.87 11.55	16.50 11.78	15.71 12.11	19
20	15.63 11.39	15.63 12.21	15.34 11.90	16.08 12.33	15.71 11.25	15.68 12.04	15.58 11.88	15.39 12.40	17.22 12.08	16.77 11.45	16.52 11.97	15.78 12.42	20
21	14.93 11.82	15.45 12.10	15.50 12.26	17.33 13.31	15.95 11.20	15.78 11.74	16.01 12.28	16.59 12.32	17.30 11.96	16.84 11.61	16.35 11.96	16.32 12.59	21
22	14.70 11.18	15.50 12.12	15.33 11.76	16.85 12.34	16.15 11.26	16.01 11.84	16.20 12.49	16.83 12.08	17.19 11.86	NR NR	16.07 12.15	16.00 12.99	22
23	14.69 11.19	15.62 12.15	15.88 11.62	17.11 12.40	16.37 11.50	16.37 11.97	16.45 12.48	17.18 12.13	17.12 11.84	NR NR	15.73 12.19	16.09 12.33	23
24	14.76 11.34	15.68 11.85	16.16 11.61	18.10 13.33	16.70 11.86	16.21 11.85	16.82 12.38	17.32 12.08	17.03 12.01	NR NR	15.66 12.39	16.24 12.28	24
25	15.08 11.67	15.74 11.66	16.30 11.45	17.47 12.60	16.29 11.70	16.11 12.00	16.93 12.14	17.27 12.10	16.82 12.06	NR NR	15.80 12.62	16.05 12.28	25
26	15.24 12.00	15.91 11.54	16.42 11.39	17.41 12.53	15.77 11.64	16.03 12.12	16.86 11.95	17.23 11.98	16.35 11.93	NR NR	15.73 12.51	15.98 12.06	26
27	15.41 12.09	15.92 11.32	16.28 11.15	17.20 12.45	15.55 11.67	16.17 12.04	17.01 12.01	16.80 11.98	15.76 11.87	NR NR	15.89 12.35	15.96 12.02	27
28	15.47 11.80	16.19 11.70	16.19 11.03	17.09 14.02	15.72 11.90	16.45 12.14	16.67 11.91	16.41 11.97	15.73 12.07	NR NR	15.97 12.14	16.06 11.79	28
29	15.33 11.38	16.42 11.46	16.33 11.25	16.79 12.65		16.67 11.81	16.20 11.82	15.83 11.91	15.89 12.57	NR NR	15.87 11.80	16.12 11.76	29
30	15.41 11.30	16.46 13.73	16.16 13.46	16.83 12.74		16.32 11.74	15.53 11.50	15.81 12.04	16.06 12.95	NR NR	16.24 11.55	15.35 11.75	30
31	15.63 11.38		15.71 11.31	17.45 13.92		16.57 11.91		15.72 12.23		NR NR	16.36 11.69		31
MAXIMUM	16.01	16.50	17.12	18.10	17.17	16.67	17.01	17.32	17.30	NR	NR	16.46	MAXIMUM
MINIMUM	11.18	11.32	11.03	11.08	11.20	11.12	11.48	11.26	11.76	NR	NR	11.41	MINIMUM

E- Estimated
NR- No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	T 4 SEC T & R M D B & M	OF RECORD			DISCHARGE	GAGE HEIGHT ONLY	PERIOD		ZERO OF 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	1920 1929		0.00 -3.05	USCGS USCGS

Station located 0.4 mi. SW of Collinsville, 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

feet

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	DATE
1	13.04 8.48	13.43 7.43	13.99 7.54	12.49 6.91	13.94 8.81	13.88 7.68	13.05 7.14	12.16 7.42	12.84 9.[illegible]	13.20 9.23	13.60 7.96	1[illegible].63 7.4[illegible]	1
2	13.24 8.46	13.19 7.51	14.32 8.13	12.51 7.21	13.78 8.42	13.42 7.53	12.63 7.44	12.[illegible] [illegible].77	12.97 9.33	13.34 8.54	13.73 7.64	13.72 7.27	2
3	13.26 8.23	13.34 7.77	13.26 7.54	12.62 8.30	13.75 8.00	13.38 7.66	12.51 [illegible].37	12.54 8.09	13.24 8.68	13.48 7.98	13.93 7.50	12.41 7.24	3
4	13.07 7.98	13.07 11.02	13.32 11.16	12.95 7.93	13.63 7.49	13.17 7.27	1[illegible].67 7.59	12.76 8.59	13.49 8.40	13.84 7.61	14.05 7.34	13.61 7.33	4
5	12.94 7.85	12.79 7.70	13.50 8.84	13.51 7.74	13.74 7.27	12.97 7.00	12.83 7.61	12.76 8.72	13.44 7.87	14.04 7.36	12.52 7.26	13.57 7.63	5
6	12.84 10.72	13.00 7.99	13.87 8.57	13.42 7.16	13.66 6.98	12.83 6.77	12.83 7.85	12.71 8.1[illegible]	13.5[illegible] 7.22	14.10 7.19	14.16 7.40	13.28 7.90	6
7	12.71 7.86	12.70 7.88	13.88 8.55	13.40 6.89	13.78 6.84	12.97 7.00	12.94 8.05	12.90 7.66	13.78 6.98	12.65 6.99	13.98 7.32	13.44 8.17	7
8	12.70 7.42	12.89 7.89	13.84 7.76	13.60 6.77	13.61 6.83	13.08 7.23	12.94 8.31	12.10 7.62	12.46 6.97	14.13 6.54	13.80 7.62	13.55 7.90	8
9	12.91 7.34	13.08 7.99	14.03 7.36	13.61 6.69	13.54 6.98	13.36 7.72	12.90 8.03	13.34 7.52	13.96 7.00	14.03 6.95	13.40 7.88	13.61 9.41	9
[illegible]	13.36 7.47	13.38 7.89	14.19 7.02	13.58 6.71	13.23 7.22	13.55 8.40	13.05 7.96	13.65 7.19	13.40 6.92	13.78 6.90	13.38 8.17	13.54 7.8[illegible]	0
[illegible]	13.17 7.87	13.78 7.66	14.13 6.70	13.60 6.96	12.85 7.35	13.35 8.02	13.42 7.93	13.28 6.83	13.77 6.99	13.31 6.88	13.44 6.55	13.31 7.76	
12	12.89 7.94	13.86 7.34	14.07 6.76	13.51 7.15	12.63 8.12	13.38 8.61	13.24 7.52	13.20 6.68	13.69 7.36	13.03 7.28	13.56 8.30	13.40 7.44	2
13	12.63 7.38	13.99 7.25	14.13 6.99	13.08 7.24	12.82 8.90	13.19 8.81	13.06 7.43	12.95 6.67	13.18 7.23	13.28 7.79	13.68 8.03	13.46 7.61	3
14	13.10 7.23	14.01 7.34	13.64 6.91	12.46 7.35	12.90 8.78	13.10 8.50	13.02 7.38	12.72 6.86	12.86 7.60	13.56 8.9	13.81 [illegible].82	13.47 7.62	4
15	13.50 7.24	13.86 7.89	13.08 6.70	12.18 7.52	12.23 9.04	13.04 8.26	13.05 7.76	12.61 7.06	13.27 8.06	13.95 8.56	13.93 7.67	13.38 7.60	5
16	13.53 7.15	13.39 7.47	12.69 7.10	12.26 8.00	12.19 8.76	13.75 9.03	12.46 7.53	12.50 7.35	13.70 6.68	14.17 8.14	13.79 7.50	12.71 7.74	16
17	13.30 7.14	13.07 7.50	12.22 7.45	12.29 8.69	12.38 8.44	12.83 8.26	12.64 8.20	12.56 7.51	14.10 8.62	14.30 7.74	13.77 [illegible].26	13.2[illegible] 7.80	7
18	13.00 7.17	12.52 10.70	12.15 7.94	12.30 8.86	12.56 8.15	12.80 8.36	12.73 7.83	12.92 7.70	14.30 8.13	14.11 7.35	12.36 7.24	13.04 7.97	8
19	12.87 10.34	12.77 7.65	12.14 9.90	12.44 8.54	12.98 7.62	12.71 8.17	12.75 7.42	13.30 7.87	NR NR	14.09 6.90	13.72 [illegible].40	13.01 8.27	9
20	12.64 7.53	12.95 8.74	12.53 8.55	13.26 8.95	13.01 6.83	12.74 7.75	13.15 7.43	13.73 8.23	NR NR	12.48 6.70	13.65 7.64	13.16 8.74	20
21	12.12 7.71	12.76 8.52	12.65 8.76	14.40 9.53	13.19 6.52	12.87 7.08	13.53 7.75	14.06 7.64	NR NR	14.14 6.90	13.54 7.87	13.40 [illegible].78	21
22	11.91 7.33	12.75 8.34	12.58 8.01	13.81 7.87	13.51 6.49	13.17 6.91	13.13 8.02	14.36 7.1[illegible]	NR NR	14.12 7.05	13.23 8.22	13.22 [illegible].45	22
23	12.10 7.44	12.84 8.20	13.15 7.63	14.14 7.57	13.86 6.71	13.50 6.95	13.85 7.74	12.77 7.01	NR NR	13.81 7.13	12.86 8.32	13.26 8.58	23
24	12.27 7.64	12.95 7.79	13.36 7.45	15.14 8.18	14.19 7.20	13.48 7.00	14.21 7.32	14.43 7.65	NR NR	13.38 7.28	12.90 8.62	13.20 8.46	24
25	12.50 8.00	13.08 7.52	13.62 7.26	14.57 7.14	13.78 6.99	13.40 7.21	14.27 6.75	14.43 6.75	13.80 7.22	12.90 7.54	12.97 8.94	13.1[illegible] 11.16	25
26	12.52 8.26	13.28 7.30	13.71 6.94	14.54 7.06	13.19 7.16	13.41 7.51	14.15 6.57	14.25 6.66	13.48 7.24	12.85 7.83	12.82 9.78	13.[illegible] [illegible].45	26
27	12.75 8.28	13.29 7.13	13.62 6.68	14.39 7.13	13.09 7.47	13.63 7.36	14.26 6.63	13.87 6.77	12.82 7.61	12.90 8.58	12.86 [illegible].72	12.97 8.27	27
28	12.87 7.99	13.62 7.53	13.55 6.43	14.29 7.46	13.25 7.71	13.89 7.42	13.80 6.67	13.40 7.10	12.82 8.36	12.84 9.23	12.92 8.45	13.14 7.97	28
29	12.80 7.88	13.67 7.13	13.73 6.71	13.98 7.68		13.92 7.03	13.27 6.83	12.86 7.50	12.97 9.14	12.84 9.14	12.94 8.10	13.24 7.82	29
30	12.83 7.33	13.71 7.24	13.49 6.86	13.75 9.07		13.60 7.10	12.62 7.01	12.69 7.98	13.10 9.64	13.10 8.71	13.2[illegible] 7.76	13.37 7.78	30
31	13.06 7.37		12.98 6.89	14.38 9.10		13.72 7.31		12.70 8.56		13.29 8.40	13.47 7.64		31
MAXIMUM	13.53	14.01	14.32	15.14	14.19	13.92	14.27	14.43	NR	14.30	14.16	13.72	MAXIMUM
MINIMUM	7.14	7.13	6.43	6.69	6.49	6.77	6.57	6.65	NR	6.70	7.24	7.25	MINIMUM

E - Estimated
NR - No Record

CREST STAGES											
DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE	DATE	TIME	STAGE

LOCATION			MAXIMUM DISCHARGE OF RECORD			PERIOD OF RECORD		DATUM OF GAGE			
LATITUDE	LONGITUDE	T & SEC T & R M D B & M	CFS	GAGE HT	DATE	DISCHARGE	GAGE HEIGHT ONLY	PERIOD FROM	PERIOD TO	ZERO ON GAGE	REF DATUM
3[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

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
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
Bull. No. 130-63 130-64	B-7 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	Published values	Values published in Bulletin No. 130-66 Table B-2.
			Average cubic feet per second		
			Monthly quantities in percent of seasonal		
Bull. No. 130-63 through 130-66		Suisun Bay at Benicia Arsenal*	Station location: Longitude	122° 08' 44"	122° 08' 13"

*Changes not previously reported.

Appendix C

GROUND WATER MEASUREMENT

INTRODUCTION

Data in this appendix include ground water level measurements from 366 wells for the period from October 1, 1966, through September 30, 1967. Tables which summarize the measurements and corrections of previously published reports 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 in the form 0-00.00 has been selected according to geographic regions, ground water basins, and subbasins or subareas as follows:

1 - 18.01

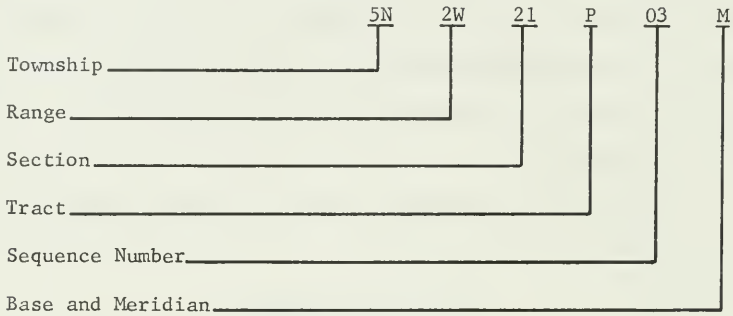
Region (North Coastal Region)

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 C-1

SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

SHEET 1 OF 8

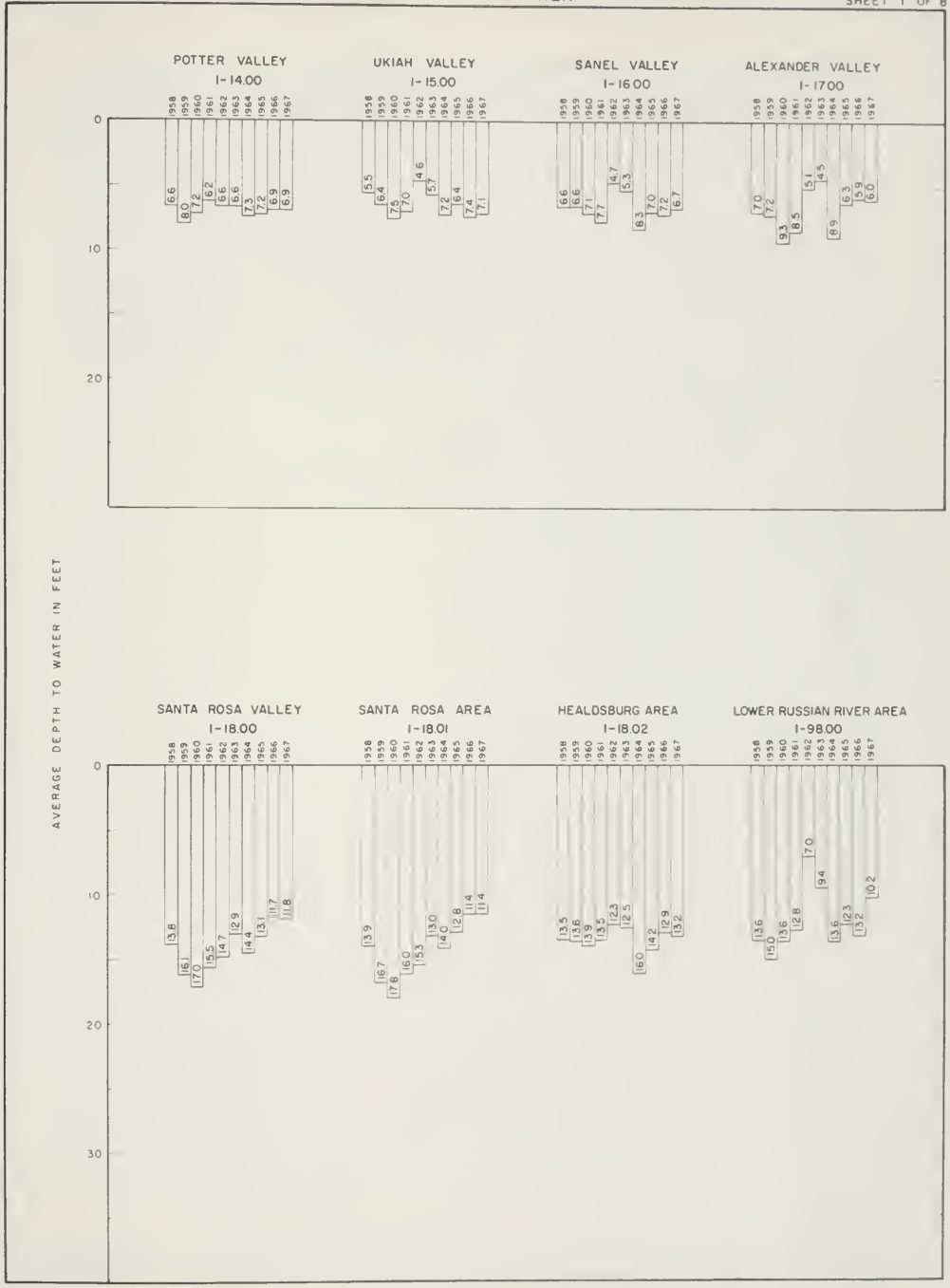


FIGURE C-1

SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

SHEET 2 OF 8

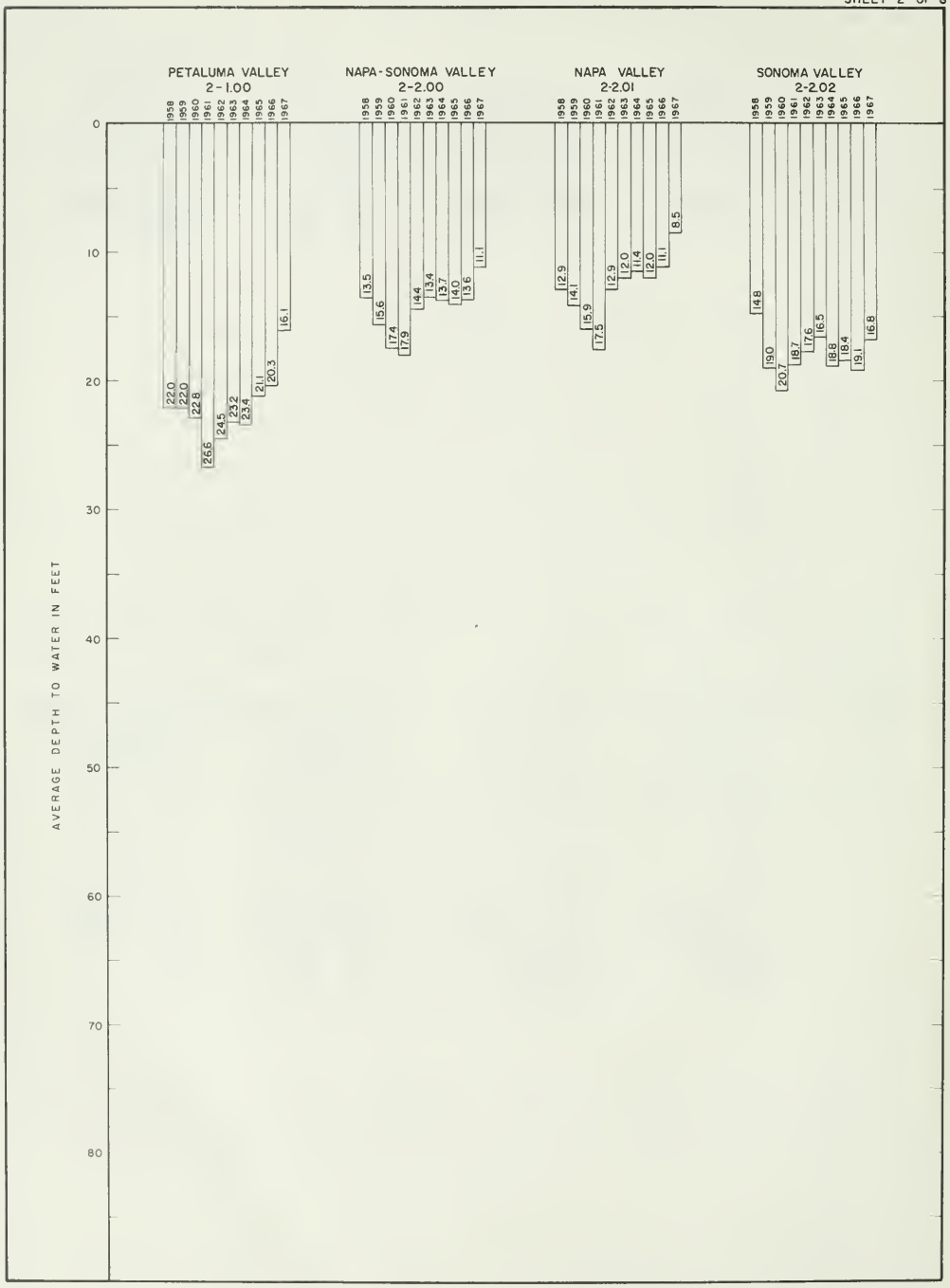


FIGURE C-1

SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

SHEET 3 OF 8

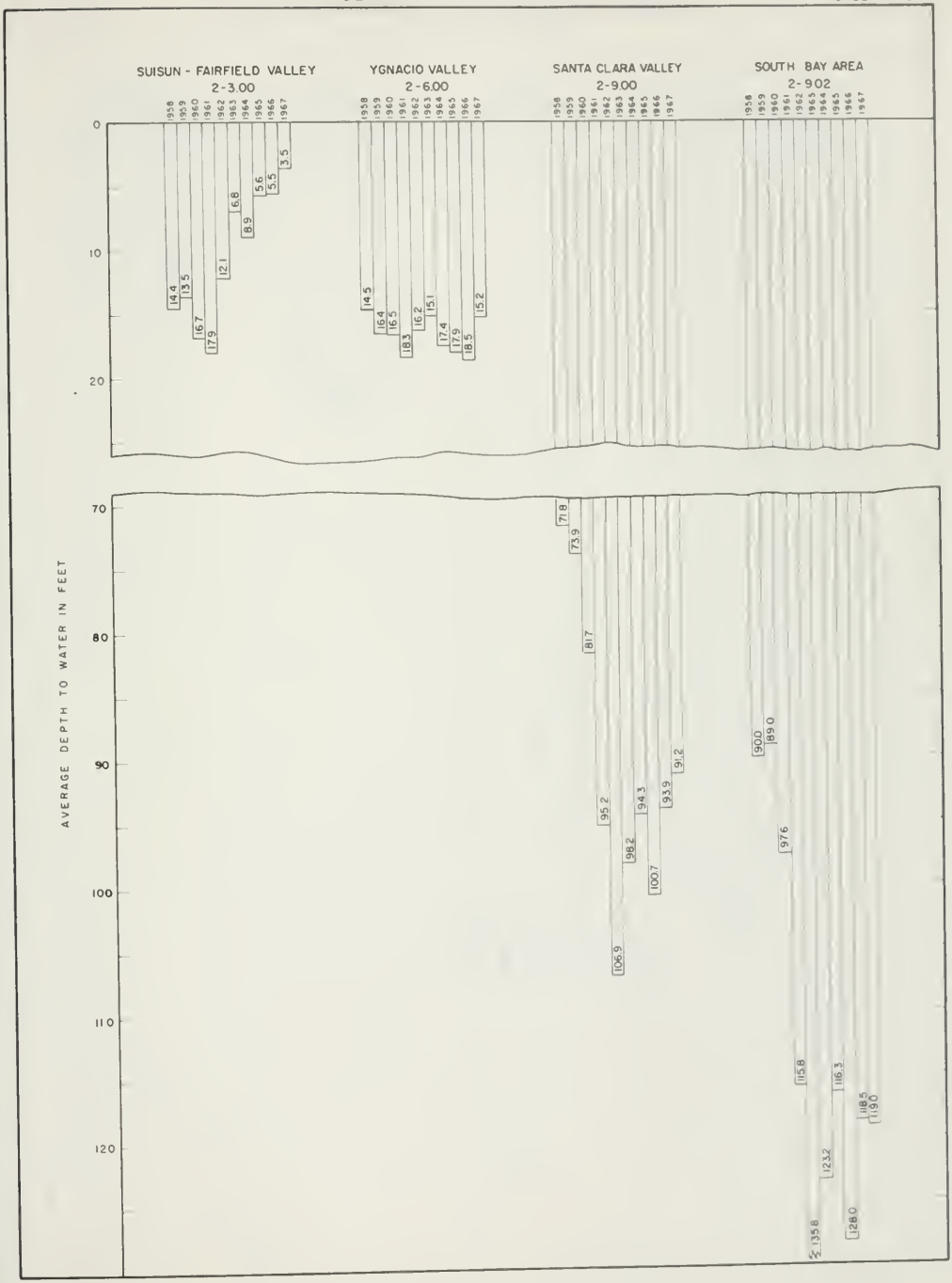


FIGURE C-1

SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

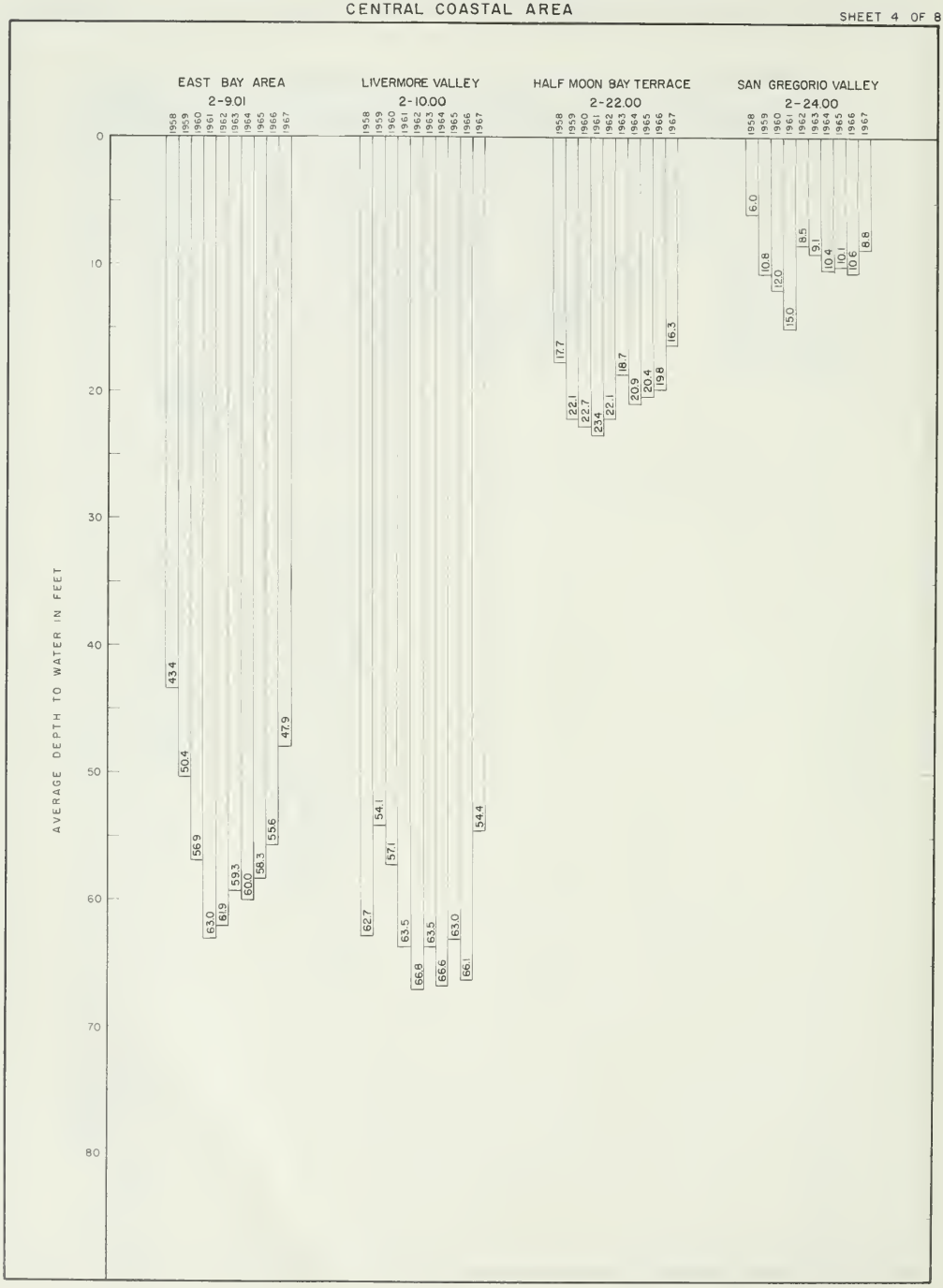


FIGURE C-1

SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

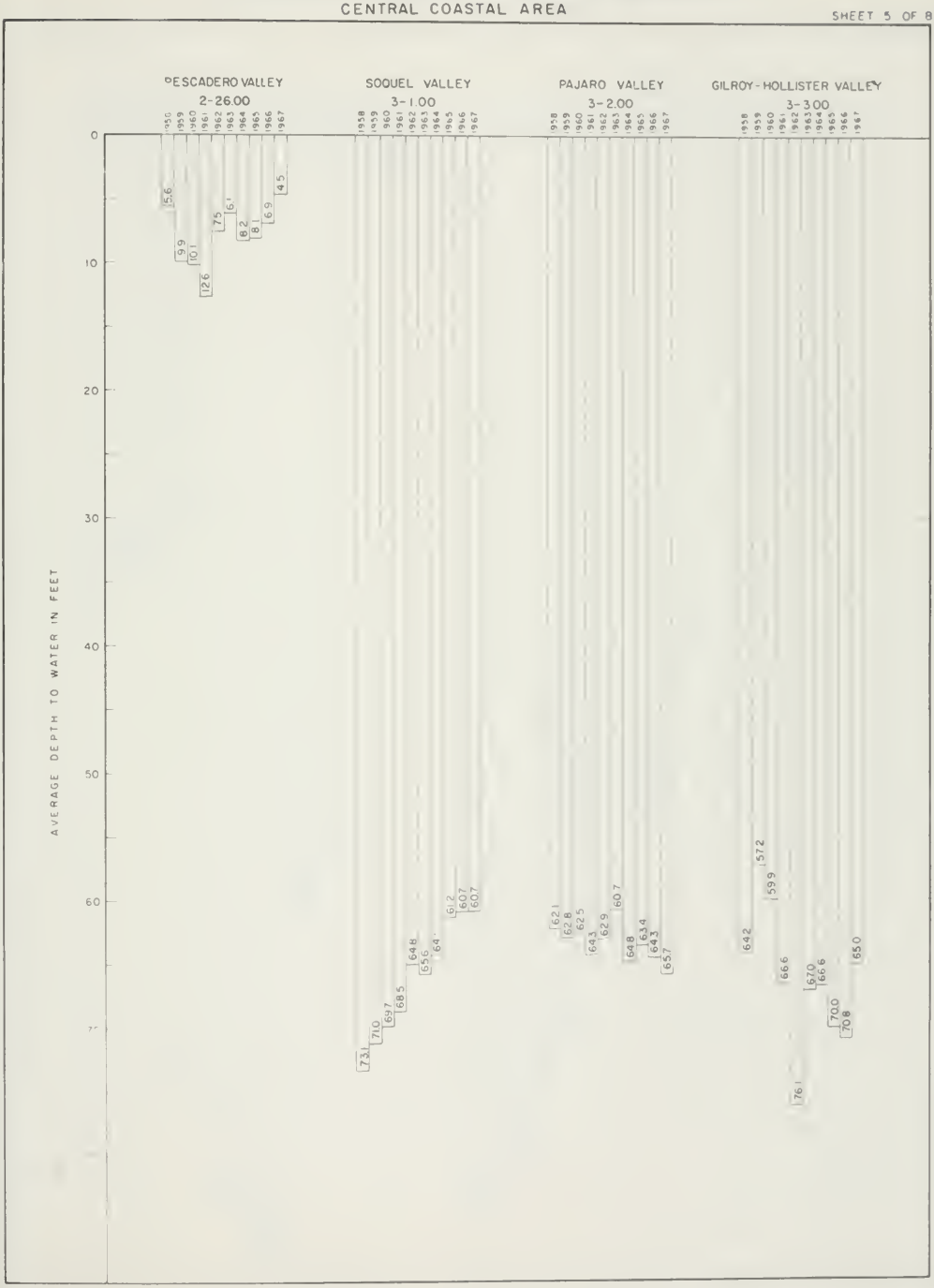


FIGURE C-1

SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

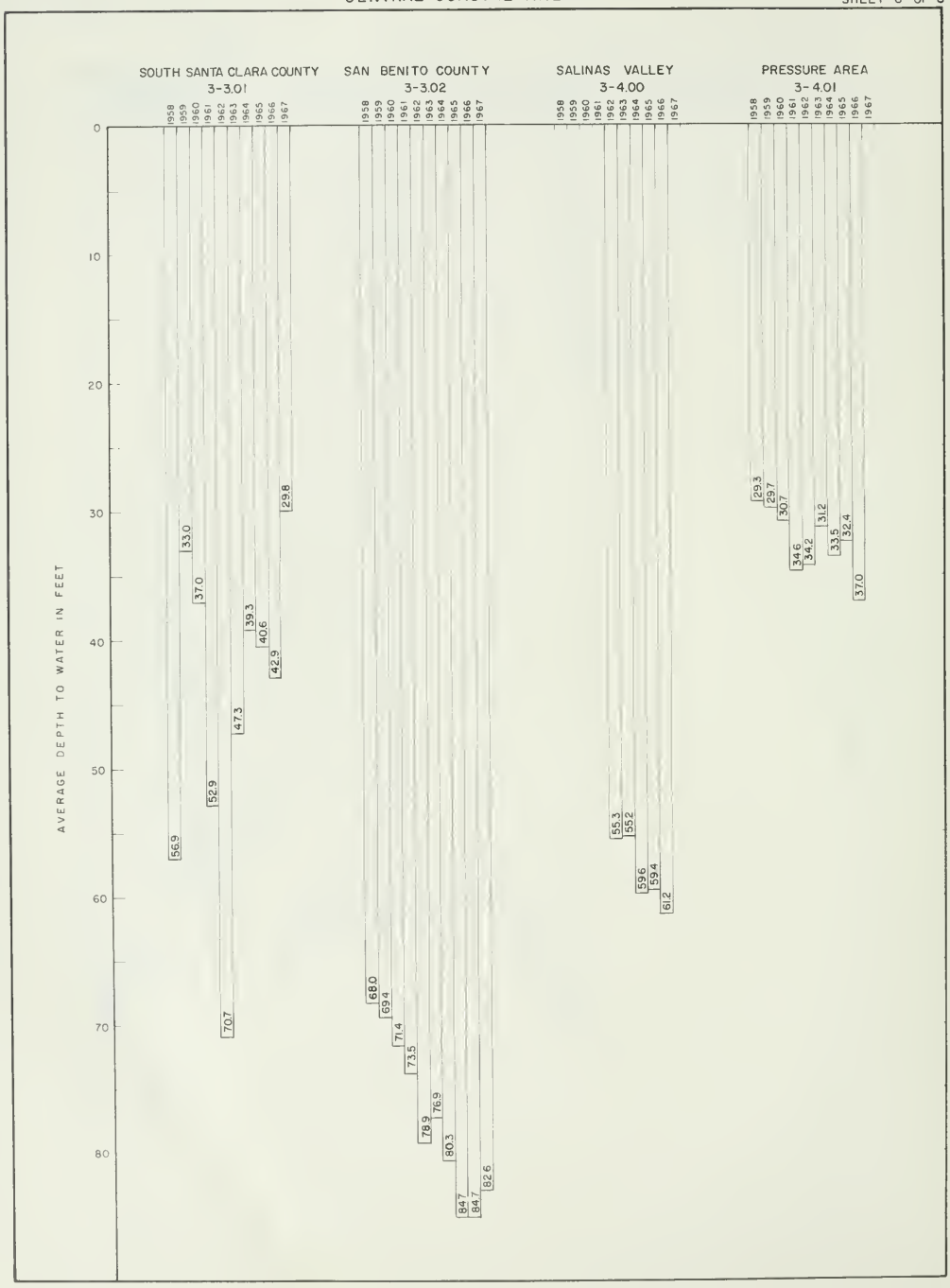


FIGURE C-1

SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

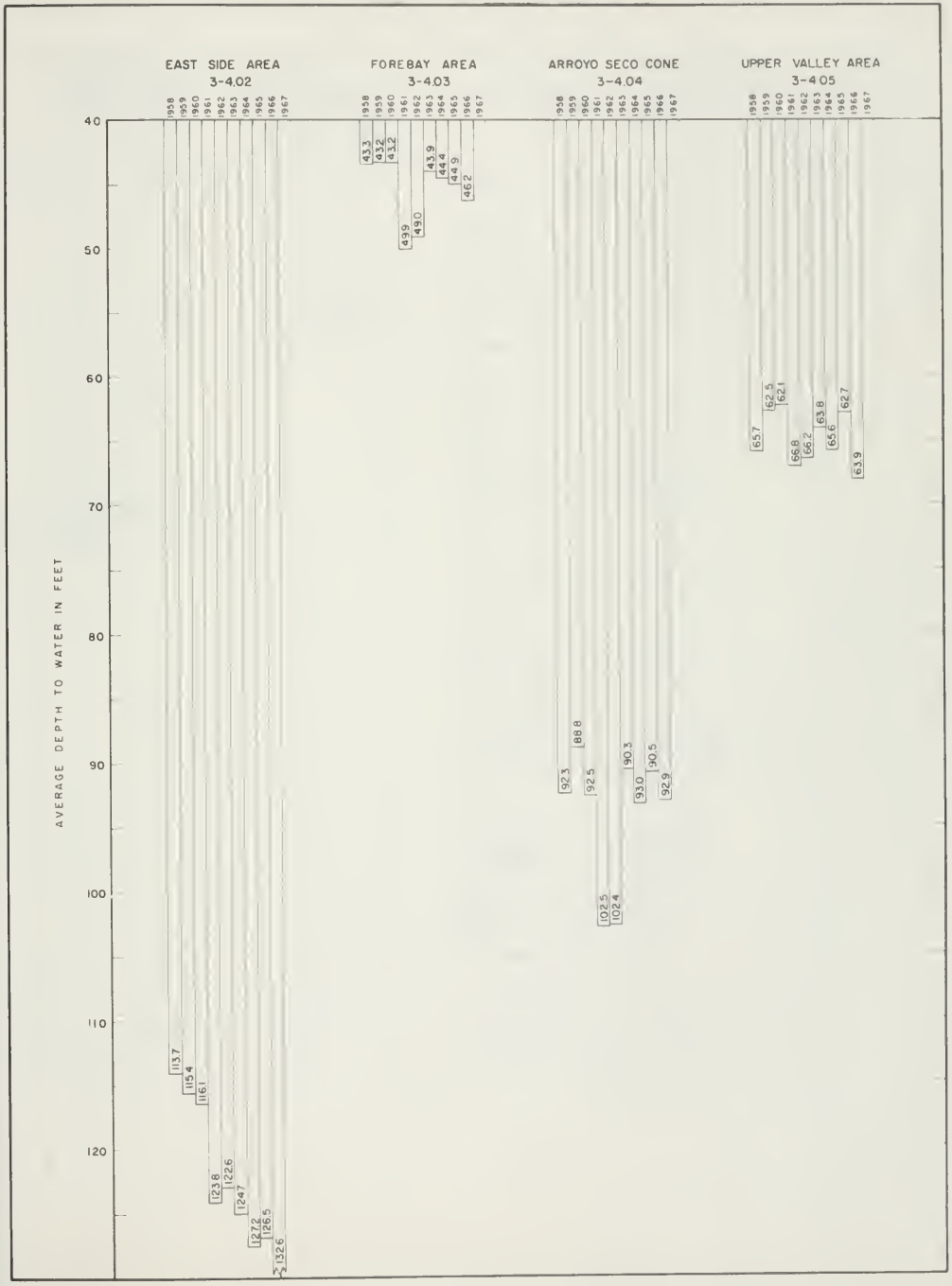


FIGURE C-1

SPRING DEPTH TO WATER IN WELLS

CENTRAL COASTAL AREA

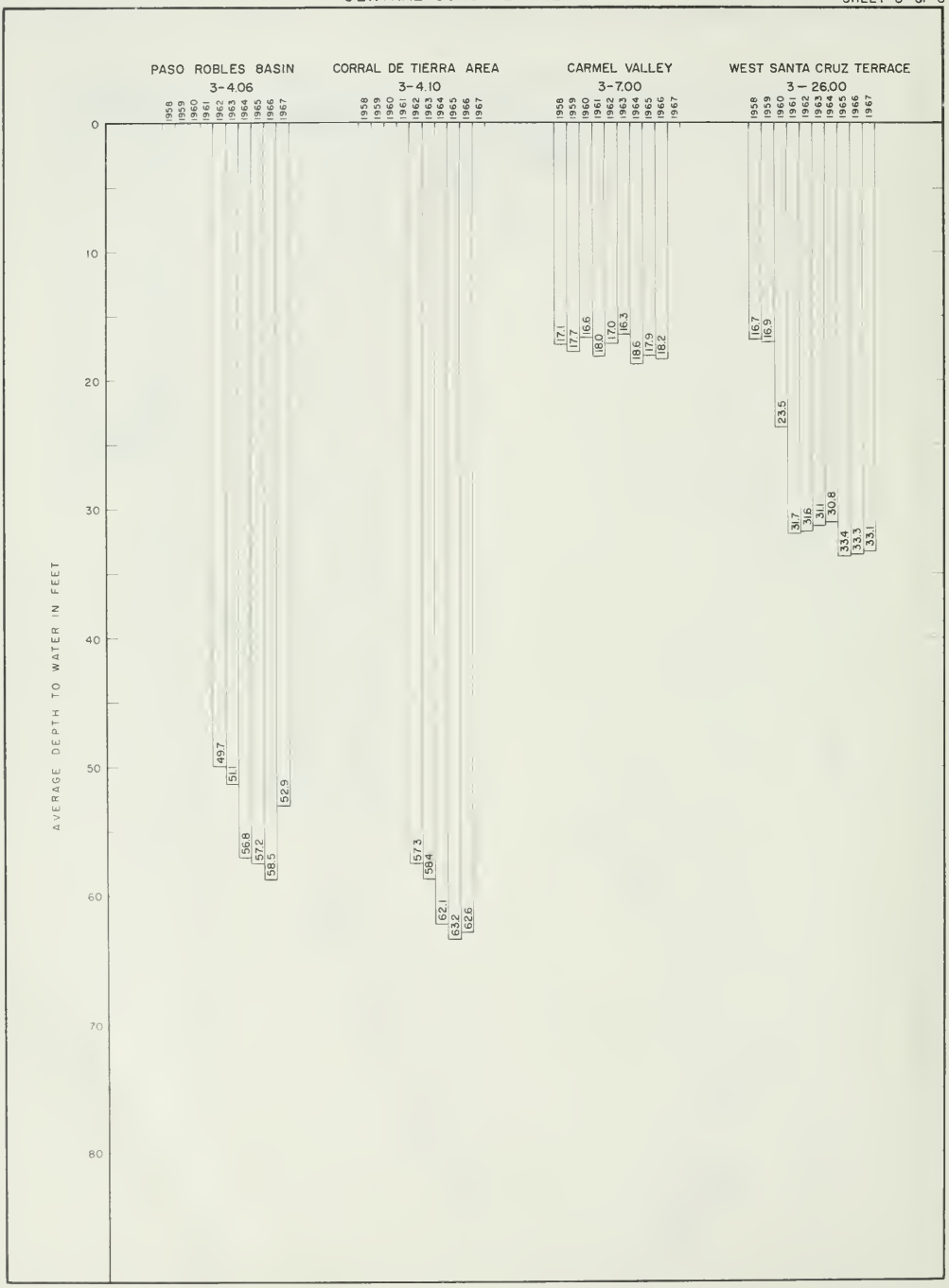


TABLE C-1

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

CENTRAL COASTAL AREA

GROUND WATER BASIN OR AREA		AVERAGE CHANGE SPRING 1966 TO SPRING 1967 IN FEET	MEASURING AGENCY	NUMBER OF WELLS MEASURED		
NAME	NUMBER			MONTHLY 1966-67	FALL 1966	SPRING 1967
NORTH COASTAL REGION						
Potter Valley	1-14.00	0.0	Department of Water Resources			2
Ukiah Valley	1-15.00	+0.3	Department of Water Resources			2
Sanel Valley	1-16.00	+0.5	Department of Water Resources			3
Alexander Valley	1-17.00	-0.1	Department of Water Resources			6
Santa Rosa Valley	1-18.00	-0.1				
Santa Rosa Area	1-18.01	0.0	Department of Water Resources			10
Healdsburg Area	1-18.02	-0.3	U. S. Geological Survey	0		
Lower Russian River Valley	1-98.00	+3.0	Department of Water Resources			3
SAN FRANCISCO BAY REGION						
Petaluma Valley	2-01.00	+4.2	Department of Water Resources	3		3
Napa-Sonoma Valley	2-02.00	+2.5				
Napa Valley	2-02.01	+2.6	Napa County			113
			Department of Water Resources	5		
Sonoma Valley	2-02.02	+2.3	Department of Water Resources	4		1
Suisun-Fairfield Valley	2-03.00	+2.0	Solano County		15	15
			Department of Water Resources	7		
Ygnacio Valley	2-06.00	+3.3	Department of Water Resources	4		1
Santa Clara Valley	2-09.00	+2.7				
East Bay Area	2-09.01	+7.7	Alameda County FC&WCD	3	44	41
			Alameda County Water District	5	384	384
South Bay Area	2-09.02	-0.5	Santa Clara Valley WCD	234		
			U. S. Geological Survey	3		
Livermore Valley	2-10.00	+11.7	Alameda County FC&WCD	12	133	130
Half Moon Bay Terrace	2-22.00	+3.5	Department of Water Resources	4		4
San Gregorio Valley	2-24.00	+1.8	Department of Water Resources	2		3
Pescadero Valley	2-26.00	+2.4	Department of Water Resources	3		3

TABLE C-1

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

CENTRAL COASTAL AREA

GROUND WATER BASIN OR AREA		AVERAGE CHANGE SPRING 1966 TO SPRING 1967 IN FEET	MEASURING AGENCY	NUMBER OF WELLS MEASURED		
NAME	NUMBER			MONTHLY 1966-67	FALL 1966	SPRING 1967
CENTRAL COASTAL REGION						
Soquel Valley	3-01.00	0.0	Santa Cruz County		4	7
			Department of Water Resources	3		
Pajaro Valley	3-02.00	-1.4	City of Watsonville			9
			Monterey County FC&WCD	4	38	
			Santa Cruz County		59	58
			Department of Water Resources	6		4
Gilroy-Hollister Valley	3-03.00	+5.8				
South Santa Clara County	3-03.01	+13.1	City of Gilroy	5		
			Santa Clara Valley WCD	16		
			South Santa Clara Valley WCD		21	22
			Department of Water Resources	5		17
San Benito County	3-03.02	+2.1	Pacheco Pass Water District		26	
			U. S. Geological Survey			76
			Department of Water Resources	5		2
Salinas Valley	3 04.00	*				
Pressure Area	3 04.01	*	Monterey County FC&WCD	25	170	
East Side Area	3-04.02	*	Monterey County FC&WCD	16	101	
Forebay Area	3-04.03	*	Monterey County FC&WCD	11	57	
Arroyo Seco Cone	3-04.04	*	Monterey County FC&WCD	5	21	
Upper Valley Area	3-04.05	*	Monterey County FC&WCD	11	44	
Paso Robles Basin	3-04.06	+5.6	San Luis Obispo County FC&WCD		96	79
Seaside Area	3-04.08	*	Monterey County FC&WCD		18	
			Post Engineer, Fort Ord	2		
Langley Area	3-04.09	*	Monterey County FC&WCD		14	
Corral de Tierra Area	3-04 10	*	Monterey County FC&WCD	4	25	
Carmel Valley	3-07.00	*	Monterey County FC&WCD	4	31	
West Santa Cruz Terrace	3-26.00	+0.2	Santa Cruz County		6	6
TOTAL				420	1307	1004

* Insufficient Data to Compute Change

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 a dry well. A minus preceding the number in this colum 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

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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	3-22-67	-0.8	955.8	5050
17N/11W-32J01 M	905.0	*3-22-67	0.1	904.9	5050
UKIAH VALLEY 1-15.00					
15N/12W-08L01 M	640.0	3-22-67	16.3	623.7	5050
15N/12W-35M01 M	600.0	3-22-67	2.4	597.6	5050
SANEL VALLEY 1-16.00					
13N/11W-18E01 M	490.0	3-22-67	7.6	482.4	5050
13N/11W-19P01 M	488.0	3-22-67	8.2	479.8	5050
13N/11W-20Q01 M	515.0	3-22-67	4.2	510.8	5050
ALEXANDRA VALLEY 1-17.00					
10N/09W-18B01 M	230.0	3-22-67	12.0	218.0	5050
10N/09W-26L02 M	205.0	3-22-67	0.1	204.9	5050
10N/09W-33C01 M	180.0	3-22-67	1.5	178.5	5050
11N/10W-08P01 M	305.0	3-22-67	6.5	298.5	5050
11N/10W-17P02 M	292.0	3-22-67	5.3	286.7	5050
11N/10W-19F02 M	346.0	3-22-67	4.6	341.4	5050
SANTA ROSA VALLEY 1-18.00					
SANTA ROSA AREA 1-18.01					
06N/08W-07P02 M	95.0	3-21-67	(8) 14.7	80.3	5050
06N/08W-13R01 M	115.0	3-21-67	15.6	99.4	5050
06N/08W-15J03 M	95.0	3-21-67	13.6	81.4	5050
06N/08W-15R01 M	95.0	3-21-67	18.7	76.3	5050
07N/06W-19N01 M	465.0	3-22-67	3.5	461.5	5050
SANTA ROSA AREA 1-18.01 (CONT.)					
07N/07W-06R01 M	275.0	3-22-67	4.2	270.8	5050
07N/08W-11M01 M	160.0	3-22-67	6.2	153.8	5050
07N/08W-24H02 M	190.0	3-21-67	11.5	178.5	5050
07N/09W-01C01 M	90.0	3-21-67	(2)		5050
07N/09W-35D02 M	135.0	3-21-67	30.7	104.3	5050
08N/09W-36N01 M	90.0	3-21-67	(5)		5050
08N/09W-36P01 M	90.0	3-21-67	(3) 53.9	36.1	5050
HEALDSBURG AREA 1-18.02					
08N/09W-03P01 M	77.0	10-14-66	(4) 7.7	69.3	5000
		11-18-66	(6) 2.9	74.1	
		12-16-66	5.5	71.5	
		1-17-67	7.1	69.9	
		2-13-67	2.6	74.4	
		3-13-67	-0.8	77.8	
		4-24-67	3.6	73.4	
		5-12-67	5.1	71.9	
		6-14-67	5.5	71.5	
		7-15-67	6.5	70.5	
		8-16-67	5.9	71.1	
		9-11-67	1.1	75.9	
08N/09W-22L01 M	67.0	10-14-66	(1) 30.3	36.7	5000
		11-18-66	29.3	37.7	
		12-16-66	25.2	41.8	
		1-17-67	28.3	38.7	
		2-13-67	(1) 26.4	40.6	
		3-13-67	26.1	40.9	
		4-24-67	24.2	42.8	
		5-12-67	26.9	40.1	
		6-14-67	(1) 31.2	35.8	
		7-15-67	30.8	36.2	
		8-16-67	(9)		
		9-11-67	30.3	36.7	
09N/09W-20E02 M	100.0	10-14-66	16.6	83.4	5000
		11-18-66	15.1	84.9	
		12-16-66	14.5	85.5	

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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 (CONT.)					
09N/09W-20E02 M CONT.	100.0	1-17-67	(1) 15.8	84.2	5000
		2-13-67	14.5	85.5	
		3-13-67	13.8	86.2	
		4-24-67	12.9	87.1	
		5-12-67	14.9	85.1	
		6-14-67	15.7	84.3	
		7-15-67	16.1	83.9	
		8-16-67	16.4	83.6	
		9-11-67	14.5	85.5	
09N/09W-20K04 M	97.0	10-14-66	(1) 14.3	82.7	5000
		11-18-66	6.1	90.9	
		12-16-66	2.0	95.0	
		1-17-67	3.3	93.7	
		2-13-67	1.8	95.2	
		3-13-67	1.9	95.1	
		4-24-67	0.4	96.6	
		5-12-67	2.1	94.9	
		6-14-67	3.3	93.7	
		7-15-67	4.7	92.3	
		8-16-67	5.5	91.5	
		9-11-67	5.4	91.6	
09N/09W-28N01 M	90.0	10-14-66	24.5	65.5	5000
		11-18-66	18.2	71.8	
		12-16-66	14.9	75.1	
		1-17-67	16.6	73.4	
		2-13-67	15.6	74.4	
		3-13-67	14.3	75.7	
		4-24-67	14.3	75.7	
		5-12-67	16.5	73.5	
		6-14-67	17.4	72.6	
		7-15-67	17.9	72.1	
		8-16-67	19.6	70.4	
		9-11-67	22.1	67.9	
09N/10W-12C01 M	120.0	10-14-66	(2) 13.3	106.7	5000
		11-18-66	(2) 13.7	106.3	
		12-16-66	10.8	109.2	
		1-17-67	11.8	108.2	
		2-13-67	11.5	108.5	
		3-13-67	10.2	109.8	
		4-24-67	9.4	110.6	
		5-12-67	11.8	108.2	
		6-14-67	12.5	107.5	
		7-15-67	13.0	107.0	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
HEALDSBURG AREA 1-18.02 (CONT.)					
09N/10W-12C01 M CONT.	120.0	8-16-67	13.2	106.8	5000
		9-11-67	14.1	105.9	
10N/10W-22D01 M	180.0	10-14-66	(4) 11.8	168.2	5000
		11-18-66	10.0	170.0	
		12-16-66	8.4	171.6	
		1-17-67	10.0	170.0	
		2-13-67	8.5	171.5	
		3-13-67	8.1	171.9	
		4-24-67	7.0	173.0	
		5-12-67	9.2	170.8	
		6-14-67	(1) 10.2	169.8	
		7-15-67	10.5	169.5	
		8-16-67	10.9	169.1	
		9-11-67	13.3	166.7	
10N/10W-26M01 M	161.0	10-14-66	11.8	149.2	5000
		11-18-66	10.4	150.6	
		12-16-66	9.0	152.0	
		1-17-67	10.6	150.4	
		2-13-67	8.9	152.1	
		3-13-67	8.8	152.2	
		4-24-67	8.0	153.0	
		5-12-67	10.2	150.8	
		6-14-67	10.7	150.3	
		7-15-67	(1) 16.2	144.8	
		8-16-67	11.6	149.4	
		9-11-67	12.0	149.0	
10N/10W-35Q01 M	142.0	10-14-66	5.9	136.1	5000
		11-18-66	5.6	136.4	
		12-16-66	0.5	141.5	
		1-17-67	1.5	140.5	
		2-13-67	0.6	141.4	
		3-13-67	0.2	141.8	
		4-24-67	0.0	142.0	
		5-12-67	0.7	141.3	
		6-14-67	1.6	140.4	
		7-15-67	2.7	139.3	
		8-16-67	3.9	138.1	
		9-11-67	4.8	137.2	
LOWER RUSSIAN RIVER VALLEY 1-98.00					
07N/10W-06N01 M	25.0	4-25-67	13.6	11.4	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
LOWER RUSSIAN RIVER VALLEY 1-98.00 (CONT.)					
07N/11W-14E01 M	25.0	3-21-67	13.8	11.2	5050
08N/10W-29D02 M	50.0	3-21-67	1.7	48.3	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	3-21-67	-0.5	2.5	5050
05N/07W-19N01 M	45.0	3-21-67	3.2	41.8	5050
05N/07W-2-B-2 M	41.0	10-17-66	64.0	-23.0	5050
		11-16-66	61.1	-20.1	
		12-14-66	57.0	-16.0	
		1-18-67	56.1	-15.1	
		2-15-67	54.6	-13.6	
		3-20-67	50.9	-9.9	
		4-24-67	51.5	-10.5	
		5-17-67	57.2	-16.2	
		8-15-67	63.5	-22.5	
		9-19-67	65.3	-24.3	
05N/07W-21H01 M	65.0	10-17-66	45.9	19.1	5050
		11-16-66	46.7	18.3	
		12-14-66	42.3	22.7	
		1-18-67	39.6	25.4	
		2-15-67	30.5	34.5	
		3-20-67	29.9	35.1	
		4-24-67	26.2	38.8	
		5-17-67	26.1	38.9	
		8-15-67	(1) 34.5	30.5	
		9-19-67	35.5	29.5	
05N/07W-26R01 M	53.6	10-17-66	(1) 33.5	20.1	5050
		11-16-66	(4) 30.8	22.8	
		12-14-66	(4) 28.9	24.7	
		1-18-67	27.0	26.6	
		2-15-67	21.4	32.2	
		3-20-67	18.9	34.7	
		4-24-67	16.0	37.6	
		5-17-67	15.7	37.9	
		8-15-67	19.7	33.9	
		9-19-67	21.7	31.9	
05N/07W-35K01 M	18.8	3-21-67	6.5	12.3	5050
NAPA SONOMA VALLEY 2-02.00					
NAPA VALLEY 2-02.01					
04N/04W-02L01 M	25.0	5-15-67	3.1	21.9	5101
04N/04W-04C01 M	12.0	5-1-67	5.2	6.8	5101

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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 (CONT.)					
04N/04-05B01 M	31.0	5-1-67	7.0	24.0	5101
04N/04W-05D02 M	22.0	5-1-67	5.6	16.4	5101
04N/04W-12M01 M	48.0	5-1-67	12.0	36.0	5101
04N/04W-14C02 M	34.0	5-1-67	32.7	1.3	5101
04N/04W-25K01 M	37.0	5-1-67	0.4	36.6	5101
05N/03W-05M01 M	255.0	5-2-67	75.3	179.7	5101
05N/04W-03G01 M	18.0	5-3-67	4.4	13.6	5101
05N/04W-04G01 M	63.5	5-3-67	27.5	36.0	5101
05N/04W-04Q01 M	58.0	5-3-67	7.8	50.2	5101
05N/04W-05P01 M	121.0	5-3-67	1.4	119.6	5101
05N/04W-05P02 M	122.0	5-3-67	17.1	104.9	5101
05N/04W-10F01 M	30.0	5-3-67	2.2	27.8	5101
05N/04W-11F03 M	16.0	5-2-67	11.2	4.8	5101
05N/04W-11M01 M	13.0	10-17-66	9.0	4.0	5050
		11-16-66	7.4	5.6	
		12-14-66	5.0	8.0	
		1-18-67	7.4	5.6	
		2-15-67	5.5	7.5	
		3-20-67	4.6	8.4	
		4-24-67	4.0	9.0	
		5-17-67	6.3	6.7	
		8-15-67	7.3	5.7	
		9-19-67	8.5	4.5	
05N/04W-12F01 M	130.0	5-2-67	62.8	67.2	5101
05N/04W-12H01 M	121.0	5-17-67	47.7	73.3	5101
05N/04W-13H01 M	132.0	5-2-67	12.9	119.1	5101
05N/04W-13H02 M	120.0	5-2-67	20.8	99.2	5101
05N/04W-14C01 M	17.0	5-2-67	(4) 14.9	2.1	5101
05N/04W-15C02 M	22.0	5-2-67	15.6	6.4	5101
NAPA VALLEY 2-02.01 (CONT.)					
05N/04W-15E01 M	22.0	5-2-67	14.1	7.9	5101
05N/04W-19R02 M	110.0	5-2-67	13.2	96.8	5101
05N/04W-20R02 M	50.0	5-2-67	1.2	48.8	5101
05N/04W-21B01 M	75.0	5-2-67	18.4	56.6	5101
05N/04W-22M01 M	12.0	5-2-67	-1.0	13.0	5101
05N/04W-28R01 M	37.0	5-1-67	Flow		5101
05N/04W-29H01 M	77.0	5-2-67	22.3	54.7	5101
06N/03W-31B01 M	240.0	5-3-67	106.8	133.2	5101
06N/03W-31F01 M	145.0	5-1-67	40.1	104.9	5101
06N/03W-31H01 M	180.0	5-3-67	64.2	115.8	5101
06N/03W-31N01 M	170.0	5-17-67	43.3	126.7	5101
06N/03W-31N02 M	167.0	5-17-67	44.1	122.9	5101
06N/04W-05R01 M	67.0	5-5-67	1.4	65.6	5101
06N/04W-06L02 M	80.0	5-5-67	5.9	74.1	5101
06N/04W-06N01 M	75.0	5-4-67	5.1	69.9	5101
06N/04W-06P01 M	75.0	5-16-67	8.8	66.2	5101
06N/04W-07N01 M	135.0	5-4-67	9.6	125.4	5101
06N/04W-08E01 M	70.0	5-4-67	7.1	62.9	5101
06N/04W-15Q01 M	67.0	5-4-67	44.2	22.8	5101
06N/04W-16P01 M	62.0	5-4-67	6.2	55.8	5101
06N/04W-17A01 M	67.0	10-17-66	(8) 17.7	49.3	5050
		11-16-66	16.1	50.9	
		12-14-66	8.4	58.6	
		1-18-67	8.9	58.1	
		2-15-67	1.6	65.4	
		3-20-67	1.5	65.5	
		4-24-67	0.7	66.3	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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 (CONT.)					
06N/04W-17A01 M CONT.	67.0	5-17-67	2.2	64.8	5050
		8-15-67 (8)	11.0	56.0	
		9-19-67 (8)	11.0	56.0	
06N/04W-18A02 M	85.0	5-4-67	17.7	67.3	5101
06N/04W-19B01 M	125.0	5-4-67	13.3	111.7	5101
06N/04W-21G01 M	61.0	5-4-67	0.6	60.4	5101
06N/04W-22P01 M	53.0	5-4-67	15.7	37.3	5101
06N/04W-23J01 M	87.0	4-29-67	12.7	74.3	5101
06N/04W-26N01 M	32.0	5-4-67	10.6	21.4	5101
06N/04W-27L02 M	50.0	1-18-67	36.6	13.4	5050
		2-15-67	28.0	22.0	
		3-20-67	23.3	26.7	
		4-24-67	20.2	29.8	
		5-17-67	21.9	28.1	
		8-15-67	43.8	6.2	
		9-19-67	43.0	7.0	
06N/04W-27N01 M	50.0	5-4-67	13.1	36.9	5101
06N/04W-28K01 M	62.0	4-29-67	4.5	57.5	5101
06N/04W-29B01 M	92.0	5-4-67	4.0	88.0	5101
06N/04W-30C01 M	149.0	5-5-67	3.8	145.2	5101
06N/04W-32J06 M	94.0	5-3-67	7.3	86.7	5101
06N/04W-32L02 M	107.0	5-3-67	23.4	83.6	5101
06N/04W-35Q03 M	38.0	5-3-67	24.1	13.9	5101
06N/04W-35L03 M	23.0	5-3-67	(4)		5101
06N/04W-36H01 M	105.0	5-4-67	16.0	89.0	5101
06N/05W-12R01 M	180.0	5-4-67	20.3	159.7	5101
07N/04W-30L01 M	112.0	5-5-67	3.3	108.7	5101
07N/4W-30M01 M	114.0	5-5-67	0.9	113.1	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 (CONT.)					
07N/04W-31E01 M	90.0	5-5-67	2.9	87.1	5101
07N/04W-32B02 M	180.0	5-5-67	1.6	178.4	5101
07N/05W-03G01 M	188.0	5-10-67	33.7	154.3	5101
07N/05W-03G02 M	188.0	5-10-67	11.0	177.0	5101
07N/05W-04R02 M	172.0	5-10-67	2.4	169.6	5101
07N/05W-05A01 M	182.0	5-10-67	0.7	181.3	5101
07N/05W-06F01 M	245.0	5-10-67	14.9	230.1	5101
07N/05W-06J01 M	215.0	5-10-67	12.0	203.0	5101
07N/05W-08A01 M	175.0	5-10-67	11.9	163.1	5101
07N/05W-08M01 M	190.0	5-10-67	14.3	175.7	5101
07N/05W-09Q01 M	155.0	5-10-67	7.7	147.3	5101
07N/05W-09Q02 M	155.0	10-17-66	18.7	136.3	5050
		11-16-66	16.7	138.3	
		12-14-66	10.7	144.3	
		1-18-67	9.9	145.1	
		2-15-67	6.2	148.8	
		3-20-67	5.6	149.4	
		4-24-67	6.5	148.5	
		5-17-67	8.2	146.8	
		8-15-67	10.7	144.3	
		9-19-67	13.6	141.4	
07N/05W-09Q03 M	155.0	5-10-67	3.5	151.5	5101
07N/05W-10C01 M	162.2	5-10-67	10.7	151.5	5101
07N/05W-14B02 M	139.0	5-9-67	3.7	135.3	5101
07N/05W-14J01 M	140.0	5-3-67	3.8	136.2	5101
07N/05W-15A01 M	143.0	5-8-67	8.8	134.2	5101
07N/05W-15F01 M	141.0	5-8-67	7.2	133.8	5101
07N/05W-16L01 M	171.0	5-8-67	8.5	162.5	5101

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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 (CONT.)					
07N/05W-16N02 M	193.0	5-8-67	12.4	180.6	5101
07N/05W-17B01 M	166.0	5-8-67	2.4	163.6	5101
07N/05W-17B02 M	161.0	5-8-67	-0.3	161.3	5101
07N/05W-21G01 M	152.0	5-8-67	-2.2	154.2	5101
07N/05W-22E03 M	140.0	5-8-67	-0.3	140.3	5101
07N/05W-22H01 M	133.0	5-8-67	4.9	128.1	5101
07N/05W-23D02 M	127.0	5-8-67	0.3	126.7	5101
07N/05W-23Q01 M	115.0	5-8-67	2.2	112.8	5101
07N/05W-24P01 M	127.0	5-8-67	0.9	126.1	5101
07N/05W-25A01 M	163.0	5-5-67	14.2	148.8	5101
07N/05W-26D02 M	127.0	5-8-67	2.5	124.5	5101
07N/05W-34C02 M	190.0	5-5-67	6.5	183.5	5101
07N/05W-35F02 M	175.0	5-5-67	2.8	172.2	5101
07N/05W-36N01 M	141.0	5-8-67	3.4	137.6	5101
07N/06W-01A01 M	264.0	5-10-67	13.0	251.0	5101
08N/05W-30P01 M	220.0	5-10-67	0.7	219.3	5101
08N/05W-31H01 M	212.0	5-10-67	11.1	200.9	5101
08N/05W-31P02 M	237.0	5-10-67	16.3	220.7	5101
08N/05W-31R01 M	210.0	5-10-67	6.6	203.4	5101
08N/05W-32K04 M	192.0	5-10-67	4.1	187.9	5101
08N/06W-03M01 M	330.0	5-9-67	35.2	294.8	5101
08N/06W-04F01 M	330.0	5-9-67	64.3	265.7	5101
08N/06W-06L04 M	335.0	5-9-67	4.1	330.9	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 (CONT.)					
08N/06W-09D02 M	290.0	5-9-67	9.8	280.2	5101
08N/06W-09H01 M	290.0	5-9-67	1.3	288.7	5101
08N/06W-09H02 M	291.5	5-9-67	2.1	289.4	5101
08N/06W-10Q01 M	290.0	10-17-66	9.6	280.4	5050
		11-16-66	9.5	280.5	
		12-14-66	1.5	288.5	
		1-18-67	1.9	288.1	
		2-15-67	1.4	288.6	
		3-20-67	-0.1	290.1	
		4-24-67	1.0	289.0	
		5-17-67	1.6	288.4	
		8-22-67	4.0	286.0	
		9-19-67	(4) 13.0	277.0	
08N/06W-14N01 M	285.0	5-9-67	9.1	275.9	5101
08N/06W-14Q01 M	250.0	5-9-67	5.0	245.0	5101
08N/06W-23M01 M	285.0	5-9-67	4.9	280.1	5101
08N/06W-24B01 M	300.0	5-9-67	7.2	292.8	5101
08N/06W-25G02 M	230.0	5-9-67	(4) 9.0	221.0	5101
09N/06W-31Q01 M	340.0	5-9-67	1.8	338.2	5101
09N/06W-32M01 M	360.0	5-9-67	9.5	350.5	5101
09N/07W-24L01 M	460.0	5-9-67	9.6	450.4	5101
09N/07W-25N01 M	380.0	5-9-67	4.9	375.1	5101
09N/07W-25N02 M	380.0	5-9-67	4.5	375.5	5101
09N/07W-26P01 M	400.0	5-9-67	1.0	399.0	5101
09N/07W-35K01 M	399.0	5-9-67	1.8	397.2	5101
SONOMA VALLEY 2-02.02					
05N/05W-17C01 M	85.0	10-17-66	(2) 29.8	55.2	5050
		11-16-66	27.1	57.9	
		12-14-66	22.6	62.4	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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 (CONT.)					
05N/05W-17C01 M CONT.	85.0	1-18-67	20.7	64.3	5050
		2-15-67	20.2	64.8	
		3-20-67	22.3	62.7	
		4-24-67	16.9	68.1	
		5-17-67	19.2	65.8	
		8-15-67	22.4	62.6	
		9-19-67	23.2	61.8	
05N/05W-28N01 M	11.0	3-21-67	6.6	4.4	5050
05N/05W-29N01 M	16.0	10-17-66	13.1	2.9	5050
		11-16-66	12.8	3.2	
		12-14-66	9.2	6.8	
		1-18-67	9.8	6.2	
		2-15-67	4.2	11.8	
		3-20-67	3.6	12.4	
		4-24-67	1.9	14.1	
		5-17-67	5.9	10.1	
		8-15-67	10.4	5.6	
		9-19-67	10.6	5.4	
05N/05W-30J03 M	16.0	10-17-66	15.1	0.9	5050
		11-16-66	14.5	1.5	
		12-14-66	10.0	6.0	
		1-18-67	9.8	6.2	
		2-15-67	5.1	10.9	
		3-20-67	4.0	12.0	
		4-24-67	4.0	12.0	
		5-17-67	6.6	9.4	
		8-15-67	13.5	2.5	
		9-19-67	13.8	2.2	
SUISUN-FAIRFIELD VALLEY 2-03.00					
04N/02W-06A01 M	35.0	10-20-66	17.4	17.6	5109
		5-8-67	13.2	21.8	
04N/02W-09A01 M	7.0	10-17-66	2.1	4.9	5050
		10-20-66	2.0	5.0	5109
		11-17-66	1.9	5.1	5050
		12-15-66	-0.5	7.5	
		1-19-67	0.0	7.0	
		2-16-67	Flow		

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 (CONT.)					
04N/02W-09A01 M CONT.	7.0	3-18-67	Flow		5050
		4-28-67	Flow		
		5-8-67	-0.5	7.5	5109
		5-17-67	-0.5	7.5	5050
		8-19-67	0.6	6.4	
		9-12-67	0.7	6.3	
04N/02W-09H01 M	4.0	10-17-66	1.9	2.1	5050
		11-17-66	0.1	3.9	
		12-15-66	0.0	4.0	
		1-19-67	-0.2	4.2	
		2-16-67	Flow		
		3-18-67	Flow		
		4-28-67	Flow		
		5-17-67	(1)		
		8-19-67	(3) 2.2	1.8	
		9-12-67	0.8	3.2	
04N/03W-01D01 M	37.0	10-20-66	8.0	29.0	5109
		5-8-67	2.1	34.9	
05N/01W-07E01 M	115.0	10-19-66	15.1	99.9	5109
		5-2-67	11.3	103.7	
05N/02W-21P03 M	60.0	10-17-66	11.5	48.5	5050
		10-19-66	11.8	48.2	5109
		11-18-66	12.1	47.9	5050
		12-16-66	11.0	49.0	
		1-20-67	10.4	49.6	
		2-17-67	3.6	56.4	
		3-15-67	5.9	54.1	
		4-26-67	3.3	56.7	
		5-2-67	4.0	56.0	5109
		5-17-67	10.2	49.8	5050
		8-19-67	9.4	50.6	
		9-12-67	10.5	49.5	
05N/02W-25R01 M	7.0	10-17-66	6.0	1.0	5050
		11-18-66	5.6	1.4	
		12-16-66	0.9	6.1	
		1-20-67	2.5	4.5	
		2-17-67	0.9	6.1	
		3-18-67	0.1	6.9	
		4-28-67	0.4	6.6	
		5-17-67	2.7	4.3	
		8-18-67	5.5	1.5	
		9-12-67	5.8	1.2	

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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 (CONT.)					
05N/02W-27J02 M	24.0	10-17-66	8.0	16.0	5050
		11-18-66	6.1	17.9	
		12-16-66	(2) 9.0	15.0	
		1-20-67	6.6	17.4	
		2-17-67	6.8	17.2	
		3-15-67	(2) 29.6	-5.6	
		4-26-67	(2) 24.7	-0.7	
		5-17-67	7.7	16.3	
		8-19-67	(2) 10.2	13.8	
		9-12-67	6.7	17.3	
05N/02W-29R01 M	46.0	10-19-66	13.7	32.3	5109
		5-2-67	(1) 36.9	9.1	
05N/02W-30J01 M	65.0	10-17-66	(8) 21.9	43.1	5050
		11-18-66	(8) 22.5	42.5	
		12-16-66	(8) 19.9	45.1	
		1-20-67	(8) 21.2	43.8	
		2-17-67	14.9	50.1	
		3-15-67	17.0	48.0	
		4-26-67	14.7	50.3	
		5-17-67	17.0	48.0	
		8-19-67	18.3	46.7	
		9-12-67	18.6	46.4	
YGNACIO VALLEY 2-06.00					
01N/01W-07K01 M	83.0	10-25-66	(1) 13.9	69.1	5050
		11-16-66	13.2	69.8	
		12-14-66	11.5	71.5	
		1-18-67	12.2	70.8	
		2-14-67	9.3	73.7	
		3-18-67	9.2	73.8	
		4-28-67	8.6	74.4	
		5-15-67	10.6	72.4	
		8-21-67	(1) 14.9	68.1	
		9-15-67	12.5	70.5	
01N/02W-11N01 M	63.0	10-25-66	13.8	49.2	5050
		11-16-66	13.3	49.7	
		12-14-66	12.3	50.7	
		1-18-67	12.2	50.8	
		2-14-67	10.1	52.9	
		3-18-67	9.8	53.2	
		4-28-67	9.2	53.8	
YGNACIO VALLEY 2-06.00 (CONT.)					
01N/02W-11N01 M CONT.	63.0	5-15-67	10.0	53.0	5050
		8-21-67	12.8	50.2	
		9-15-67	13.6	49.4	
01N/02W-13P01 M	100.0	3-17-67	4.2	95.8	5050
02N/02W-27R01 M	15.0	10-25-66	6.5	8.5	5050
		11-16-66	5.2	9.8	
		12-14-66	3.7	11.3	
		1-18-67	4.0	11.0	
		2-14-67	1.9	13.1	
		3-18-67	0.9	14.1	
		4-28-67	0.8	14.2	
		5-15-67	2.0	13.0	
		8-21-67	6.7	8.3	
		9-15-67	6.7	8.3	
02N/02W-36E01 M	48.0	10-25-66	18.8	29.2	5050
		11-16-66	18.3	29.7	
		12-14-66	16.3	31.7	
		1-18-67	17.3	30.7	
		2-14-67	13.5	34.5	
		3-18-67	11.1	36.9	
		4-28-67	10.4	37.6	
		5-15-67	(4) 12.8	35.2	
		8-21-67	15.8	32.2	
		9-15-67	16.3	31.7	
SANTA CLARA VALLEY 2-09.00					
EAST BAY AREA ABOVE HAYWARD FAULT 2-09.01					
04S/01W-35P03 M	115.3	10-28-66	141.1	-25.8	5401
		11-11-66	133.0	-17.7	
		12-30-66	117.5	-2.2	
		1-20-67	112.9	2.4	
		2-17-67	108.3	7.0	
		3-17-67	104.0	11.3	
		4-21-67	97.1	18.2	
		5-5-67	95.1	20.2	
		6-23-67	101.0	14.3	
		7-21-67	117.1	-1.8	
		8-18-67	122.5	-7.2	
		9-18-67	122.2	-7.0	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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	10-19-66	(4)		5100
		11-9-66	(4)		
		12-14-66	23.4	24.6	
		1-4-67	23.2	24.8	
		2-2-67	17.2	30.8	
		3-1-67	18.2	29.8	
		4-5-67	17.2	30.8	
		5-4-67 (1)	18.9	29.1	
		6-7-67	17.0	31.0	
		7-5-67	20.4	27.6	
		8-1-67	20.0	28.0	
		9-6-67	20.3	27.7	
03S/02W-08R05 M	64.0	10-7-66	35.8	28.2	5100
		3-14-67	33.1	30.9	
03S/02W-19J01 M	30.0	10-19-66	13.8	16.2	5100
		11-9-66	13.5	16.5	
		12-14-66	12.9	17.1	
		1-4-67	13.0	17.0	
		2-2-67	10.8	19.2	
		3-1-67	10.8	19.2	
		4-5-67	10.3	19.7	
		5-4-67	9.0	21.0	
		6-7-67	9.6	20.4	
		7-5-67	10.0	20.0	
		8-1-67	10.5	19.5	
		9-6-67	10.8	19.2	
03S/03W-24Q02 M	7.0	10-6-67	(7)		5100
		3-13-67	(7)		
04S/01W-18G01 M	45.0	10-21-66	77.7	-32.7	5401
		11-18-66	78.0	-33.0	
		12-16-66	73.7	-28.7	
		1-27-67	69.7	-24.7	
		2-24-67	67.3	-22.3	
		3-24-67	63.6	-18.6	
		4-21-67	(0)		
04S/01W-18R03 M	47.0	4-21-67	62.5	-15.5	5401
		5-5-67	61.0	-14.0	
		6-16-67	61.3	-14.3	
		7-28-67	65.4	-18.4	
		8-25-67	68.2	-21.2	
		9-8-67	66.9	19.9	

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 (CONT.)					
04S/01W-22P05 M	80.0	10-6-66	55.0	25.0	5100
		3-14-67	35.8	44.2	
04S/02W-13C02 M	36.4	9-20-66	62.1	-25.7	5401
		5-4-67	48.7	-12.3	
		9-18-67	56.1	-19.7	
04S/02W-24Q02 M	33.4	10-6-66	68.3	-34.9	5100
		3-17-67	46.6	-13.2	
05S/01W-04F01 M	40.9	10-14-66	65.9	-25.0	5401
		11-11-66	65.7	-24.8	
		12-23-66	67.2	-26.3	
		1-20-67	66.2	-25.3	
		2-17-67	65.7	-24.8	
		3-17-67	63.7	-22.8	
		4-21-67	52.1	-11.2	
		5-26-67	61.1	-20.2	
		6-23-67	64.9	-24.0	
		7-21-67	59.4	-18.5	
		8-18-67	59.4	-18.5	
		9-1-67	58.9	-18.0	
EAST BAY AREA LOWER AQUIFER 2-09.01					
02S/03W-36R01 M	45.0	10-7-66	91.9	-46.9	5100
		3-16-67	74.2	-29.2	
03S/03W-24J01 M	11.0	10-19-66	85.0	-74.0	5100
		11-9-66	83.6	-72.6	
		12-14-66	74.4	-63.4	
		1-6-67	70.8	-59.8	
		2-2-67	67.0	-56.0	
		3-1-67	65.2	-54.2	
		4-5-67	62.8	-51.8	
		5-4-67	60.0	-49.0	
		6-7-67	61.0	-50.0	
		7-5-67	61.4	-50.4	
		8-1-67	63.5	-52.5	
		9-6-67	64.8	-53.8	
03S/03W-36R03 M	5.0	10-6-66	92.7	-87.7	5100
		3-13-67	69.0	-64.0	
04S/02W-02Q01 M	26.0	5-5-67	64.5	-38.5	5401
		9-21-67	95.8	-69.8	

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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 (CONT.)					
04S/02W-35R02 M	15.0	10-28-66	71.5	-56.5	5401
		11-11-66	70.6	-55.6	
		12-23-66	50.8	-35.8	
		1-20-67	48.1	-33.1	
		2-17-67	42.7	-27.7	
		3-17-67	39.9	-24.9	
		4-21-67	34.2	-19.2	
		5-5-67	34.2	-19.2	
		6-23-67	(7)		
		7-21-67	55.8	-40.8	
		8-18-67	59.4	-44.4	
		9-1-67	57.4	-42.4	
05S/01W-09M01 M	15.0	5-8-67	42.3	-27.3	5401
		9-21-67	72.3	-57.3	
SOUTH BAY AREA 2-09.02					
06S/01E-07E01 M	15.8	10-24-66	(8) 115.4	-99.6	2400
		11-21-66	(8) 106.9	-91.1	
		12-19-66	(8) 100.5	-84.7	
		1-20-67	97.7	-81.9	
		2-17-67	92.8	-77.0	
		3-22-67	88.4	-72.6	
		4-24-67	80.8	-65.0	
		5-18-67	85.7	-69.9	
		6-20-67	(7)		
		7-20-67	(7)		
		8-24-67	(7)		
		9-25-67	(7)		
06S/01E-21R01 M	138.0	10-24-66	218.8	-80.8	2400
		11-9-66	216.9	-78.9	
		12-20-66	211.6	-73.6	
		1-19-67	206.4	-68.4	
		2-16-67	195.2	-57.2	
		3-21-67	192.4	-54.4	
		4-19-67	188.8	-50.8	
		5-17-67	184.2	-46.2	
		6-14-67	193.3	-55.3	
		7-26-67	(1) 203.2	-65.2	
		8-22-67	206.7	-68.7	
		9-22-67	(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
SOUTH BAY AREA 2-09.02 (CONT.)					
06S/01E-23P02 M	240.5	10-21-66	(3) 122.5	118.0	2400
		11-9-66	123.1	117.4	
		12-20-66	121.3	119.2	
		1-18-67	120.8	119.7	
		2-15-67	122.2	118.3	
		3-20-67	121.0	119.5	
		4-18-67	118.8	121.7	
		5-16-67	118.6	121.9	
		6-14-67	118.4	122.1	
		7-13-67	118.3	122.2	
		8-22-67	117.4	123.1	
		9-21-67	117.1	123.4	
06S/01E-30M01 M	43.0	10-25-66	(6) 148.0	-105.0	2400
		11-22-66	(8) 131.3	-88.3	
		12-22-66	(8) 122.2	-79.2	
		1-23-67	(8) 121.3	-78.3	
		2-20-67	(8) 119.4	-76.4	
		3-22-67	(8) 107.5	-64.5	
		4-24-67	(8) 106.3	-63.3	
		5-19-67	(6) 122.0	-79.0	
		6-22-67	(1)		
		7-21-67	(2) 143.7	-100.7	
		8-25-67	(8) 134.2	-91.2	
		9-25-67	(1) 132.0	-89.0	
06S/01W-23E01 M	21.0	10-24-66	131.4	-110.4	5000
		11-20-66	119.6	-98.6	
		12-19-66	111.0	-90.0	
		1-16-67	107.0	-86.0	
		2-13-67	100.9	-79.9	
		3-13-67	99.0	-78.0	
		4-11-67	92.0	-71.0	
		5-8-67	88.6	-67.6	
		6-5-67	107.9	-86.9	
		7-5-67	131.3	-110.3	
		7-31-67	151.9	-130.9	
		8-28-67	132.2	-111.2	
		9-25-67	144.8	-123.8	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

SOUTH BAY AREA 2-09.02 (CONT.)

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
06S/02W-16R01 M	48.0	10-27-66	122.3	-74.3	2400
		11-28-66	118.8	-70.8	
		12-27-66	114.5	-66.5	
		1-27-67	114.3	-66.3	
		2-27-67	(7)		
		3-28-67	118.6	-70.6	
		4-27-67	115.3	-67.3	
		5-27-67	118.6	-70.6	
		6-27-67	121.2	-73.2	
		7-25-67	114.6	-66.6	
		8-29-67	119.7	-71.7	
		9-27-67	121.4	-73.4	
06S/02W-25C01 M	73.0	10-26-66 (8)	167.2	-94.2	2400
		11-23-66 (8)	159.6	-86.6	
		12-27-66 (8)	153.3	-80.3	
		1-26-67 (8)	151.5	-78.5	
		2-21-67 (8)	131.4	-58.4	
		3-27-67 (8)	128.5	-55.5	
		4-26-67 (8)	126.6	-53.6	
		5-25-67 (8)	134.8	-61.8	
		6-26-67	139.4	-66.4	
		7-24-67 (8)	140.2	-67.2	
		8-28-67 (8)	142.7	-69.7	
		9-26-67 (8)	134.4	-61.4	
06S/02W-35C01 M	140.1	10-27-66 (6)	273.4	-133.3	2400
		11-23-66 (6)	259.7	-119.6	
		12-28-66	252.3	-112.2	
		1-27-67 (6)	250.7	-110.6	
		2-27-67 (6)	243.6	-103.5	
		3-27-67 (6)	243.0	-102.9	
		4-27-67 (6)	241.9	-101.8	
		5-25-67 (6)	263.7	-123.6	
		6-26-67	271.3	-131.2	
		7-25-67	273.4	-133.3	
		8-29-67 (6)	277.7	-137.6	
		9-27-67 (6)	276.4	-136.3	
07S/01E-1K01 M	179.0	10-21-66 (6)	202.0	-23.0	2400
		11-18-66 (6)	200.0	-21.0	
		12-21-66 (6)	197.0	-18.0	
		1-18-67 (6)	195.0	-16.0	
		2-15-67 (6)	194.0	-15.0	
		3-20-67	(7)		

SOUTH BAY AREA 2-09.02 (CONT.)

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
07S/01E-1K01 M CONT.	179.0	4-18-67 (6)	187.0	-8.0	2400
		5-16-67 (6)	185.0	-6.0	
		6-14-67 (6)	187.0	-8.0	
		7-18-67 (6)	190.0	-11.0	
		8-21-67 (6)	192.0	-13.0	
		9-22-67 (6)	190.0	-11.0	
07S/01E-8L01 M	88.0	10-27-66 (8)	161.8	-73.8	2400
		11-28-66 (8)	154.0	-66.0	
		12-29-66 (6)	151.7	-63.7	
		1-30-67 (6)	146.0	-58.0	
		2-28-67	141.0	-53.0	
		3-23-67	137.0	-49.0	
		4-17-67	132.0	-44.0	
		5-29-67	155.4	-67.4	
		6-19-67 (8)	161.7	-73.7	
		7-26-67 (6)	159.4	-71.4	
		8-30-67 (6)	155.7	-67.7	
		9-28-67 (6)	157.4	-69.4	
07S/01E-9D02 M	95.9	10-24-66	197.6	-101.7	5000
		11-20-66	186.6	-90.7	
		12-19-66	181.4	-85.5	
		1-16-67	174.9	-79.0	
		2-13-67	168.0	-72.1	
		3-13-67	162.3	-66.4	
		4-11-67	158.7	-62.8	
		5-8-67	155.5	-59.6	
		6-5-67	159.1	-63.2	
		7-5-67	170.8	-74.9	
		7-31-67	188.0	-92.1	
		8-28-67	184.6	-88.7	
		9-25-67	181.8	-85.9	
07S/01E-16C05 M	105.0	10-24-66	247.4	-142.4	5000
		11-20-66	224.4	-119.4	
		12-19-66	211.8	-106.8	
		1-16-67	212.4	-107.4	
		2-13-67	205.9	-100.9	
		3-13-67	204.2	-99.2	
		4-11-67	191.5	-86.5	

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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 (CONT.)					
07S/01E-16C05 M	105.0	5-8-67	195.4	-90.4	5000
CONT.		6-5-67	193.5	-88.5	
		7-5-67	228.8	-123.8	
		7-31-67	237.6	-132.6	
		8-28-67	252.5	-147.5	
		9-25-67	248.8	-143.8	
07S/01E-31A02 M	151.6	10-19-66	224.1	-72.5	2400
		11-16-66	211.5	-59.9	
		12-14-66	190.0	-38.4	
		1-17-67	168.2	-16.6	
		2-14-67	160.3	-8.7	
		3-17-67 (6)	152.7	-1.1	
		4-17-67 (6)	149.8	1.8	
		5-12-67	144.4	7.2	
		6-13-67	136.6	15.0	
		7-17-67	142.5	9.1	
		8-18-67	164.8	-13.2	
		9-21-67	157.4	-5.8	
07S/02E-7P01 M	130.0	10-21-66	142.5	-12.5	2400
		11-18-66	140.2	-10.2	
		12-21-66	138.6	-8.6	
		1-18-67	136.3	-6.3	
		2-15-67	135.6	-5.6	
		3-20-67	135.0	-5.0	
		4-18-67	132.4	-2.4	
		5-16-67	133.3	-3.3	
		6-14-67	135.6	-5.6	
		7-18-67	137.4	-7.4	
		8-21-67	139.8	-9.8	
		9-22-67	138.7	-8.7	
07S/02E-17H01 M	349.0	10-18-66 (8)	97.7	251.3	2400
		11-15-66 (8)	97.2	251.8	
		12-13-66 (8)	96.4	252.6	
		1-16-67 (8)	95.8	253.2	
		2-9-67 (8)	95.3	253.7	
		3-16-67 (8)	94.4	254.6	
		4-13-67 (8)	93.8	255.2	
		5-11-67 (8)	94.3	254.7	
		6-9-67 (8)	95.7	253.3	
		7-13-67 (8)	96.6	252.4	
		8-17-67 (8)	95.3	253.7	
		9-15-67 (8)	94.7	254.3	

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 (CONT.)					
07S/02E-33C01 M	462.0	10-18-66	22.8	439.2	2400
		11-15-66	22.3	439.7	
		12-13-66	21.5	440.5	
		1-12-67	22.6	439.4	
		2-9-67	20.8	441.2	
		3-15-67	19.8	442.2	
		4-13-67 (6)	18.5	443.5	
		5-11-67 (6)	18.7	443.3	
		6-9-67 (1)	21.3	440.7	
		7-13-67	22.6	439.4	
		8-17-67	22.6	439.4	
		9-15-67	20.9	441.1	
07S/01W-35C01 M	202.0	10-1-66	236.0	-34.0	2400
		11-1-66	239.0	-37.0	
		12-1-66	237.0	-35.0	
		1-1-67	229.0	-27.0	
		2-1-67	216.0	-14.0	
		3-1-67	213.0	-11.0	
		4-1-67	210.0	-8.0	
		5-1-67	200.0	2.0	
		6-1-67	190.0	12.0	
		7-1-67	190.0	12.0	
		8-1-67	190.0	12.0	
		9-1-67	188.0	14.0	
07S/02W-3P01 M	216.7	10-1-66	360.0	-143.3	2400
		11-1-66	351.0	-134.3	
		12-1-66	345.0	-128.3	
		1-3-67	342.0	-125.3	
		2-2-67	338.0	-121.3	
		3-2-67	336.0	-119.3	
		4-2-67	331.0	-114.3	
		5-1-67 (1)	355.0	-138.3	
		6-1-67 (1)	360.0	-143.3	
		7-1-67 (1)	365.0	-148.3	
		8-1-67 (1)	365.0	-148.3	
		9-1-67 (1)	365.0	-148.3	
07S/02W-4B01 M	218.0	10-28-66	202.5	15.5	2400
		11-28-66 (6)	197.7	20.3	
		12-29-66 (6)	194.4	23.6	
		1-27-67 (6)	196.7	21.3	
		2-27-67 (6)	209.3	8.7	
		3-28-67 (6)	201.4	16.6	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

SOUTH BAY AREA 2-09.02 (CONT.)

STATE WELL NUMBER		GROUND SURFACE ELEVATION IN FEET	DATE		GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
07S/02W-4B01 CONT.	M	218.0	4-27-67	(6)	193.3	24.7	2400
			5-27-67		195.2	22.8	
			6-27-67	(6)	194.2	23.8	
			7-25-67	(6)	195.6	22.4	
			8-29-67		195.4	22.6	
			9-27-67		193.6	24.4	
07S/02W-22A01	M	340.0	10-28-67		35.7	304.3	2400
			11-29-66	(6)	24.8	315.2	
			12-29-66	(6)	20.4	319.6	
			1-27-67	(6)	19.2	320.8	
			2-27-67		21.4	318.6	
			4-28-67		14.4	325.6	
			5-27-67		16.8	323.2	
			6-27-67		25.0	315.0	
			7-25-67		17.6	322.4	
			8-30-67	(6)	16.8	323.2	
			9-27-67		21.6	318.4	
08S/01E-7H02	M	207.0	10-4-66		100.7	106.3	2400
			11-1-66		101.2	105.8	
			12-1-66		100.0	107.0	
			1-3-67		85.8	121.2	
			2-1-67		72.7	134.3	
			3-1-67		65.3	141.7	
			4-3-67		58.8	148.2	
			5-2-67		55.4	151.6	
			6-1-67		56.2	150.8	
			6-30-67		57.3	149.7	
			8-9-67		57.3	149.7	
			9-1-67		58.1	148.9	
08S/01E-13H01	M	184.6	10-5-66	(8)	35.2	149.4	2400
			11-3-66	(8)	37.0	147.6	
			12-5-66		37.7	146.9	
			1-6-67		40.3	144.3	
			2-3-67	(8)	36.6	148.0	
			3-3-67	(8)	34.8	149.8	
			4-4-67	(8)	31.6	153.0	
			5-3-67	(8)	28.8	155.8	
			6-2-67	(8)	31.4	153.2	
			7-5-67	(8)	32.6	152.0	
			8-10-67	(8)	29.9	154.7	
			9-5-67	(8)	27.2	157.4	

SOUTH BAY AREA 2-09.02 (CONT.)

STATE WELL NUMBER		GROUND SURFACE ELEVATION IN FEET	DATE		GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
08S/02E-20F03	M	209.0	10-6-66		(1)		2400
			11-3-66		(1)		
			12-5-66		50.3	158.7	
			1-9-67		52.4	156.6	
			2-2-67		49.7	159.3	
			3-3-67		47.5	161.5	
			4-5-67		44.6	164.4	
			5-4-67		39.6	169.4	
			6-5-67		37.5	171.5	
			7-6-67		35.6	173.4	
			8-11-67		33.7	175.3	
			9-7-67		30.2	178.8	
08S/02E-22D01	M	239.7	10-6-66		28.8	210.9	2400
			11-4-66		30.7	209.0	
			12-6-66		28.9	210.8	
			1-9-67		31.2	208.5	
			2-2-67		15.2	224.5	
			3-3-67		14.5	225.2	
			4-5-67		11.3	228.4	
			5-4-67	(1)	13.5	226.2	
			6-5-67		11.4	228.3	
			7-7-67		10.1	229.6	
			8-11-67		10.9	228.8	
			9-7-67		10.6	229.1	
08S/01W-15B01	M	331.2	10-20-66	(6)	37.0	294.2	2400
			11-17-66		35.7	295.5	
			12-15-66	(6)	35.0	296.2	
			1-17-67		35.5	295.7	
			2-10-67	(6)	34.0	297.2	
			3-17-67	(6)	33.0	298.2	
			4-17-67		33.4	297.8	
			5-12-67		31.3	299.9	
			6-13-67		30.5	300.7	
			7-17-67	(6)	33.0	298.2	
			8-21-67		35.4	295.8	
			9-21-67	(6)	34.0	297.2	
09S/02E-1J01	M	314.6	10-8-66	(8)	66.4	248.2	2400
			11-8-66	(8)	66.4	248.2	
			12-8-66	(8)	62.5	252.1	
			1-11-67	(8)	59.2	255.4	
			2-6-67	(8)	38.8	275.8	

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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 (CONT.)					
09S/02E-1J01 M CONT.	314.6	3-6-67	30.7	283.9	2400
		4-10-67	27.2	287.4	
		5-9-67	27.2	287.4	
		6-7-67	29.9	284.7	
		7-10-67	(8) 33.7	280.9	
		8-15-67	30.1	284.5	
		9-12-67	31.5	283.1	
09S/02E-1M01 M	287.6	10-6-66	42.7	244.9	2400
		11-4-66	43.7	243.9	
		12-6-66	37.3	250.3	
		1-9-67	34.6	253.0	
		2-2-67	28.6	259.0	
		3-6-67	24.2	263.4	
		4-7-67	21.0	266.6	
		5-4-67	14.1	273.5	
		6-5-67	13.7	273.9	
		7-7-67	19.4	268.2	
		8-11-67	(6) 21.0	266.6	
		9-8-67	20.4	267.2	
LIVERMORE VALLEY 2-10.00					
02S/02E-25N01 M	555.3	10-00-66	10.2	545.1	5100
		4-00-67	7.9	547.4	
02S/01W-26C01 M	416.9	10-00-66	44.4	372.5	5100
		4-00-67	37.9	379.0	
03S/01E-07Q01 M	321.7	10-19-66	147.3	174.4	5100
		11-9-66	145.5	176.2	
		12-14-66	144.2	177.5	
		1-4-67	128.7	193.0	
		2-2-67	123.5	198.2	
		3-1-67	122.7	199.0	
		4-5-67	118.7	203.0	
		5-4-67	112.2	209.5	
		6-7-67	107.7	214.0	
		7-5-67	110.1	211.6	
		8-1-67	112.9	208.8	
		9-6-67	116.0	205.7	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
LIVERMORE VALLEY 2-10.00 (CONT.)					
03S/01E-9R02 M	353.2	10-19-66	107.7	245.5	5100
		11-19-66	107.2	246.0	
		12-14-66	101.5	251.7	
		1-4-67	120.2	233.0	
		2-1-67	122.9	230.3	
		3-1-67	107.2	246.0	
		4-5-67	98.0	255.2	
		5-3-67	89.3	263.9	
		6-7-67	(1) 106.8	246.4	
		7-5-67	(1) 114.5	238.7	
		8-1-67	(1) 142.7	210.5	
		9-6-67	159.5	193.7	
03S/01E-10Q02 M	368.7	10-19-66	123.5	245.2	5100
		11-9-66	119.4	249.3	
		12-14-66	117.5	251.2	
		1-4-67	122.5	246.2	
		2-1-67	118.3	250.4	
		3-1-67	121.0	247.7	
		4-5-67	113.5	255.2	
		5-4-67	114.0	254.7	
		6-7-67	109.6	259.1	
		7-5-67	(1) 122.5	246.2	
		8-1-67	(1) 126.0	242.7	
		9-6-67	132.5	236.2	
03S/01E-11H01 M	372.9	10-00-66	125.2	247.7	5100
		4-00-67	119.2	253.7	
03S/01E-17R01 M	347.0	10-19-66	158.8	188.2	5100
		11-9-66	159.0	188.0	
		12-14-66	(2)		
		1-4-67	158.5	188.5	
		2-2-67	156.6	190.4	
		3-1-67	151.8	195.2	
		4-5-67	142.8	204.2	
		5-4-67	147.5	199.5	
		6-7-67	146.0	201.0	
		7-5-67	109.8	237.2	
		8-1-67	109.5	237.5	
		9-6-67	(3) 118.5	228.5	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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 (CONT.)					
03S/01E-19A03 M	328.0	10-19-66	138.7	189.3	5100
		11-9-66	138.2	189.8	
		12-14-66	136.0	192.0	
		1-4-67	132.7	195.3	
		2-1-67	132.5	195.5	
		3-1-67	131.7	196.3	
		4-5-67	120.9	207.1	
		5-4-67	114.7	213.3	
		6-7-67	109.4	218.6	
		7-5-67	114.7	213.3	
		8-1-67	119.6	208.4	
		9-6-67	119.7	208.3	
03S/02E-10H01 M	551.0	10-00-66	128.5	422.5	5100
		4-00-67	90.3	460.7	
03S/02E-16E02 M	508.0	10-19-66	106.2	401.8	5100
		11-9-66	106.3	401.7	
		12-14-66	103.1	404.9	
		1-4-67	102.7	405.3	
		2-1-67	101.7	406.3	
		3-1-67	100.7	407.3	
		4-5-67	100.1	407.9	
		5-4-67	99.4	408.6	
		6-7-67	99.9	408.1	
		7-5-67	100.6	407.4	
		8-1-67	100.8	407.2	
		9-6-67	100.6	407.4	
03S/02E-19D01 M	411.6	10-19-66	194.1	217.5	5100
		11-9-66	192.9	218.7	
		12-14-66	181.7	229.9	
		1-4-67	178.4	233.2	
		2-1-67	164.1	247.5	
		3-1-67	162.1	249.5	
		4-5-67	151.5	260.1	
		5-3-67	137.0	274.6	
		6-7-67	136.3	275.3	
		7-5-67	143.8	267.8	
		8-1-67	150.6	261.0	
		9-6-67	159.7	251.9	
HALF MOON BAY TERRACE 2-22.00					
05S/05W-19J01 M	53.0	3-21-67	17.6	35.4	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
HALF MOON BAY TERRACE 2-22.00 (CONT.)					
05S/05W-20L01 M	73.0	10-26-66	25.3	47.7	5050
		11-17-66	(1) 31.1	41.9	
		12-16-66	(1) 30.6	42.4	
		1-17-67	28.4	44.6	
		2-14-67	17.4	55.6	
		3-18-67	(4) 18.8	54.2	
		4-25-67	18.0	55.0	
		5-16-67	16.2	56.8	
		8-23-67	(1) 31.6	41.4	
		9-14-67	(1) 30.5	42.5	
05S/05W-29F04 M	50.0	10-26-66	31.5	18.5	5050
		11-17-66	24.0	26.0	
		12-16-66	(4) 18.7	31.3	
		1-17-67	13.7	36.3	
		2-14-67	10.6	39.4	
		3-18-67	12.2	37.8	
		4-25-67	8.6	41.4	
		5-16-67	11.1	38.9	
		8-23-67	16.7	33.3	
		9-14-67	19.5	30.5	
05S/05W-29N01 M	46.0	3-21-67	28.9	17.1	5050
05S/05W-32K01 M	90.0	10-26-66	29.6	60.4	5050
		11-17-66	29.5	60.5	
		12-16-66	30.6	59.4	
		1-17-67	30.3	59.7	
		2-14-67	28.7	61.3	
		3-18-67	27.6	62.4	
		4-25-67	25.8	64.2	
		5-16-67	24.2	65.8	
		8-23-67	28.0	62.0	
		9-14-67	27.1	62.9	
05S/06W-10J01 M	35.0	3-21-67	Flow		5050
06S/05W-8B01 M	108.0	10-26-66	52.8	55.2	5050
		11-17-66	54.8	53.2	
		12-16-66	62.0	46.0	
		1-17-67	57.5	50.5	
		2-14-67	57.0	51.0	
		3-18-67	59.0	49.0	
		4-25-67	55.0	53.0	
		5-16-67	57.0	51.0	
		8-23-67	56.8	51.2	
		9-14-67	59.3	48.7	

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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-13E01 M	80.0	10-26-66	13.7	66.3	5050
		11-17-66	13.0	67.0	
		12-16-66	10.6	69.4	
		1-17-67	12.3	67.7	
		2-14-67	11.0	69.0	
		3-18-67	9.7	70.3	
		4-25-67	10.3	69.7	
		5-16-67	11.2	68.8	
		8-23-67	12.4	67.6	
		9-14-67	12.3	67.7	
07S/05W-15C01 M	80.0	3-21-67	7.5	72.5	5050
07S/05W-15E01 M	75.2	3-21-67	2.2	73.0	5050
07S/05W-15E02 M	30.0	10-26-66	13.9	16.1	5050
		11-17-66	(1) 16.5	13.5	
		12-16-66	12.7	17.3	
		1-17-67	15.3	14.7	
		2-14-67	11.7	18.3	
		3-18-67	10.0	20.0	
		4-25-67	10.8	19.2	
		5-16-67	12.6	17.4	
		8-23-67	14.5	15.5	
		9-14-67	14.3	15.7	
07S/05W-15H02 M	40.0	5-16-67	14.9	25.1	5050
PESCADERO VALLEY 2-26.00					
08S/05W-9H01 M	20.0	10-26-66	5.1	14.9	5050
		11-17-66	4.6	15.4	
		12-16-66	4.3	15.7	
		1-17-67	4.4	15.6	
		2-14-67	3.7	16.3	
		3-18-67	3.7	16.3	
		4-25-67	3.2	16.8	
		5-16-67	3.6	16.4	
		8-23-67	4.2	15.8	
		9-14-67	4.5	15.5	
08S/05W-10K01 M	37.0	10-26-66	18.6	18.4	5050
		11-17-66	18.4	18.6	
		12-16-66	16.4	20.6	
		1-17-67	17.4	19.6	
PESCADERO VALLEY 2-26.00 (CONT.)					
08S/05W-10K01 M CONT.	37.0	2-14-67	7.4	29.6	5050
		3-18-67	9.4	27.6	
		4-25-67	7.2	29.8	
		5-16-67	11.2	25.8	
		8-23-67	(1) 17.4	19.6	
		9-14-67	17.7	19.3	
08S/05W-11F01 M	70.0	10-26-66	18.0	52.0	5050
		11-17-66	16.1	53.9	
		12-16-66	10.5	59.5	
		1-17-67	11.1	58.9	
		2-14-67	9.5	60.5	
		3-18-67	9.0	61.0	
		4-25-67	6.5	63.5	
		5-16-67	9.7	60.3	
		8-23-67	13.5	56.5	
		9-4-67	14.0	56.0	
08S/05W-11K02 M	60.0	3-21-67	1.1	58.9	5050
08S/05W-11M01 M	45.0	3-21-67	12.0	33.0	5050

CENTRAL COASTAL AREA

CENTRAL COSTAL REGION (No. 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
SOQUEL VALLEY 3-01.00							
11S/01W-09L01	M	124.2	10-25-66		57.7	66.5	5050
			11-17-66		57.7	66.5	
			12-16-66		57.9	66.3	
			1-17-67		57.4	66.8	
			2-14-67		59.2	65.0	
			3-18-67		59.7	64.5	
			4-25-67		58.5	65.7	
			5-16-67		56.6	67.6	
			8-23-67		55.6	68.6	
			9-14-67		55.4	68.8	
11S/01W-10C01	M	90.0	10-25-66		61.8	28.2	5050
			11-17-66		60.8	29.2	
			12-16-66		60.0	30.0	
			1-17-67		61.4	28.6	
			2-14-67		62.1	27.9	
			3-18-67		59.9	30.1	
			4-25-67		60.2	29.8	
			5-16-67		59.4	30.6	
			8-23-67		61.4	28.6	
			9-14-67		62.4	27.6	
11S/01W-15B02	M	87.0	10-25-66		60.1	26.9	5050
			11-17-66		57.8	29.2	
			12-16-66	(2)	59.5	27.5	
			1-17-67		58.5	28.5	
			2-14-67		56.9	30.1	
			3-18-67	(2)	56.6	30.4	
			4-25-67	(2)	68.8	18.2	
			5-16-67	(2)	56.5	30.5	
			8-23-67		67.8	19.2	
			9-14-67	(2)	77.8	9.2	
PAJARO VALLEY 3-02.00							
11S/02E-27A01	M	141.0	10-25-66		99.7	41.3	5050
			11-18-66		98.8	42.2	
			12-15-66		95.9	45.1	
			1-17-67	(1)	98.7	42.3	
			2-14-67		97.5	43.5	
			3-18-67	(3)	95.0	46.0	
			4-26-67	(3)	94.2	46.8	
			5-15-67		94.0	47.0	
			8-22-67		95.9	45.1	
			9-13-67		96.2	44.8	

STATE WELL NUMBER		GROUND SURFACE ELEVATION IN FEET	DATE		GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PAJARO VALLEY 3-02.00 (CONT.)							
12S/01E-24G01	M	9.4	10-25-66	(8)	16.8	-7.4	5050
			11-18-66	(8)	6.6	2.8	
			12-16-66	(8)	4.6	4.8	
			1-17-67	(8)	3.9	5.5	
			2-15-67	(8)	3.3	6.1	
			3-18-67	(8)	5.1	4.3	
			4-26-67	(8)	4.5	4.9	
			5-15-67		(1)		
			8-22-67	(8)	15.8	-6.4	
			9-13-67	(8)	19.3	-9.9	
12S/02E-11E04	M	36.0	10-25-66	(8)	32.7	3.3	5050
			11-18-66	(8)	28.5	7.5	
			12-15-66	(8)	24.6	11.4	
			1-16-67	(8)	24.2	11.8	
			2-15-67	(8)	22.5	13.5	
			3-17-67	(8)	21.7	14.3	
			4-26-67	(8)	19.2	16.8	
			5-15-67	(8)	22.9	13.1	
			8-22-67	(8)	31.8	4.2	
			9-13-67	(8)	31.7	4.3	
12S/02E-16J01	M	20.5	10-25-66	(8)	21.7	-1.2	5050
			11-18-66	(8)	18.5	2.0	
			12-15-66	(8)	16.2	4.3	
			1-17-67	(8)	14.5	6.0	
			2-15-67	(8)	12.2	8.3	
			3-17-67		(9)		
			4-26-67	(8)	10.8	9.7	
			5-15-67	(8)	15.1	5.4	
			8-22-67	(8)	22.4	-1.9	
			9-13-67	(8)	24.7	-4.2	
12S/02E-31K01	M	30.0	12-13-66		30.0	0.0	2100
13S/01E-01A01	M	5.0	12-12-66		3.3	1.7	2100
13S/02E-05B01	M	136.0	10-25-66		142.1	-6.1	5050
			11-18-66		146.6	-10.6	
			12-16-66		140.0	-4.0	
			1-17-67	(2)	151.6	-15.6	
			2-15-67		137.6	-1.6	
			3-17-67		136.8	-0.8	
			4-26-67	(2)	146.3	-10.3	
			5-15-67		135.5	0.5	
			8-22-67		138.4	-2.4	
			9-13-67		139.6	-3.6	

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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 (CONT.)					
13S/02E-06B01 M	15.0	10-25-66	20.0	-5.0	5050
		11-18-66	17.6	-2.6	
		12-16-66	15.3	-0.3	
		1-17-67	13.0	2.0	
		2-15-67	14.0	1.0	
		3-17-67	12.8	2.2	
		4-26-67	11.5	3.5	
		5-15-67	11.9	3.1	
		8-22-67	16.5	-1.5	
		9-13-67	17.5	-2.5	
13S/02E-06C01 M	26.0	12-12-66	24.8	1.2	2100
13S/02E-06E02 M	27.8	12-12-66	25.3	2.5	2100
13S/02E-06E03 M	30.0	12-12-66	(7)		2100
GILROY-HOLLISTER VALLEY 3-03.00					
SOUTH SANTA CLARA COUNTY 3-03.01					
09S/03E-16J01 M	385.7	5-5-67	107.5	278.2	2400
09S/03E-21K02 M	361.6	5-8-67	71.4	290.2	2400
09S/03E-22B03 M	379.1	5-8-67	90.2	288.9	2400
09S/03E-23B01 M	362.5	5-8-67	84.6	277.9	2400
09S/03E-26P01 M	329.1	5-8-67	59.3	269.8	2400
09S/03E-27C02 M	347.0	10-7-66	103.4	246.3	2400
		11-7-66	103.8	243.2	
		12-7-66	104.9	242.1	
		1-10-67	106.8	240.2	
		2-4-67	(6) 102.8	244.2	
		3-8-67	(6) 81.7	265.3	
		4-10-67	75.6	271.4	
		5-8-67	63.2	283.8	
		6-7-67	61.3	285.7	
		7-8-67	(1)		
		8-14-67	(2) 65.5	281.5	
		9-12-67	(8) 65.2	281.8	
09S/03E-29B01 M	397.6	3-22-67	3.3	394.3	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
SOUTH SANTA CLARA COUNTY 3-03.01 (CONT.)					
09S/03E-34D02 M	327.0	5-8-67	61.2	265.8	2400
09S/03E-34Q01 M	314.2	5-8-67	30.4	283.8	2400
09S/03E-36E02 M	309.3	5-8-67	72.7	236.6	2400
09S/03E-36F03 M	322.0	5-8-67	73.2	248.8	2400
10S/03E-02K03 M	290.0	10-25-66	83.9	206.1	5050
		11-18-66	(3) 82.2	207.8	
		12-15-66	78.8	211.2	
		1-16-67	(1) 65.2	224.8	
		2-15-67	42.1	247.9	
		3-17-67	38.1	251.9	
		4-27-67	28.7	261.3	
		5-15-67	29.8	260.2	
		8-22-67	(3) 43.2	246.8	
		9-13-67	41.2	248.8	
10S/03E-13J03 M	251.0	10-25-66	(2) 72.9	178.1	5050
		11-18-66	(8) 67.9	183.1	
		12-15-66	(8) 64.0	187.0	
		1-16-67	53.9	197.1	
		2-15-67	39.5	211.5	
		3-17-67	33.1	217.9	
		4-27-67	25.1	225.9	
		5-15-67	(1) 34.8	216.2	
		8-22-67	(1) 71.5	179.5	
		9-13-67	(1)		
10S/03E-36E03 M	220.0	10-25-66	38.2	181.8	5050
		11-18-66	(1) 38.6	181.4	
		12-15-66	35.9	184.1	
		1-16-67	34.6	185.4	
		2-15-67	36.5	183.5	
		3-17-67	35.8	184.2	
		4-27-67	31.7	188.3	
		5-15-67	28.6	191.4	
		8-22-67	32.6	187.4	
		9-13-67	33.8	186.2	
10S/04E-18G02 M	259.5	10-25-66	83.2	176.3	5050
		11-18-66	81.4	178.1	
		12-15-66	77.7	181.8	
		1-16-67	69.4	190.1	

SOUTH SANTA CLARA COUNTY 3-03.01 (CONT.)

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
10S/04E-18G02 M CONT.	259.5	2-15-67	57.0	202.5	5050
		3-17-67	49.6	209.9	
		4-27-67	41.1	218.4	
		5-15-67	38.9	220.6	
		8-22-67 (8)	49.4	210.1	
		9-13-67 (8)	48.2	211.3	
10S/04E-31G04 M	197.5	10-17-66	44.5	153.0	5200
		11-21-66	38.5	159.0	
		12-19-66	33.5	164.0	
		1-16-67	29.5	168.0	
		2-20-67	19.5	178.0	
		3-20-67	16.5	181.0	
		4-17-67	18.5	179.0	
		5-15-67	13.5	184.0	
		6-19-67	18.5	179.0	
		7-17-67	25.5	172.0	
		8-21-67	28.5	169.0	
		9-18-67	26.5	171.0	
10S/04E-35E01 M	248.0	3-21-67	73.8	174.2	5050
11S/04E-06B01 M	197.2	10-17-66	53.0	144.2	5200
		11-21-66	46.0	151.2	
		12-19-66	40.0	157.2	
		1-16-67	37.0	162.0	
		2-20-67	27.0	170.2	
		3-20-67	23.0	174.2	
		4-17-67	20.0	177.2	
		5-15-67	17.0	180.2	
		6-19-67	22.0	175.2	
		7-17-67	31.0	166.2	
		8-21-67	33.0	164.2	
		9-18-67	32.0	165.2	
11S/04E-06D01 M	211.0	10-17-66	68.0	143.0	5200
		11-21-66	63.0	148.0	
		12-19-66	57.0	154.0	
		1-16-67	54.0	157.0	
		2-20-67	43.0	168.0	
		3-20-67	38.0	173.0	
		4-17-67	36.0	175.0	
		5-15-67	33.0	178.0	
		6-19-67	37.0	174.0	
		7-17-67	46.0	165.0	
		8-21-67	48.0	163.0	
		9-18-67	46.0	165.0	

SOUTH SANTA CLARA COUNTY 3-03.01 (CONT.)

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/04E-06H01 M	191.5	10-17-66	51.0	140.5	5200
		11-21-66	44.0	147.5	
		12-19-66	39.0	152.5	
		1-16-67	35.0	156.5	
		2-20-67	25.0	166.5	
		3-20-67	21.0	170.5	
		4-17-67	18.0	173.5	
		5-15-67	15.0	176.5	
		6-19-67	20.0	171.5	
		7-17-67	28.0	163.5	
		8-21-67	31.0	160.5	
		9-18-67	30.0	161.5	
11S/04E-06P02 M	201.7	10-17-66	56.0	145.7	5200
		11-21-66	53.0	148.7	
		12-19-66	49.0	152.7	
		1-16-67	46.0	155.7	
		2-20-67	32.0	169.7	
		3-20-67	29.0	172.7	
		4-17-67	26.0	175.7	
		5-15-67	25.0	176.7	
		6-19-67	32.0	169.7	
		7-17-67	37.0	164.7	
		8-21-67	38.0	163.7	
		9-18-67	35.0	166.7	
11S/04E-08K02 M	179.0	10-25-66	37.0	142.0	5050
		11-18-66	34.2	144.8	
		12-15-66	29.4	149.6	
		1-16-67	25.5	153.5	
		2-15-67	18.4	160.6	
		3-17-67	15.8	163.2	
		4-27-67	10.0	169.0	
		5-15-67	10.5	168.5	
		8-22-67	24.5	154.5	
		9-13-67	24.2	154.8	

SAN BENITO COUNTY 3-03.02

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/05E-13D01 M	255.7	10-25-66	29.2	226.5	5050
		11-18-66	30.6	225.1	
		12-15-66	29.5	226.2	
		1-16-67	24.4	231.3	
		2-15-67	22.4	233.3	

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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 (CONT.)					
11S/05E-13D01 M (CONT.)	255.7	3-17-67	21.1	234.6	5050
		4-26-67	19.4	236.3	
		5-15-67	20.4	235.3	
		8-22-67	21.8	233.9	
		9-13-67	22.8	232.9	
12S/04E-20C01 M	152.9	3-1-67	29.5	123.4	5000
12S/05E-10R01 M	211.6	10-25-66	92.5	119.1	5050
		11-18-66	89.1	122.5	
		12-15-66	88.3	123.3	
		1-16-67	86.7	124.9	
		2-15-67	85.5	126.1	
		3-17-67	83.8	127.8	
		4-26-67	82.0	129.6	
		5-15-67	80.9	130.7	
		8-22-67	(6) 20.1	191.5	
		9-13-67	86.2	125.4	
12S/05E-12M04 M	215.0	10-25-66	90.6	124.4	5050
		11-18-66	91.5	123.5	
		12-15-66	91.4	123.6	
		1-16-67	89.3	125.7	
		2-15-67	88.3	126.7	
		3-17-67	86.8	128.2	
		4-26-67	83.6	131.4	
		5-15-67	80.4	134.6	
		8-22-67	78.3	136.7	
		9-13-67	78.8	136.2	
12S/05E-33A01 M	280.0	10-25-66	(8) 90.6	189.4	5050
		11-18-66	(8) 88.0	192.0	
		12-15-66	(8) 87.6	192.4	
		1-16-67	(8) 87.0	193.0	
		2-15-67	(4) 98.0	182.0	
		3-17-67	(8) 85.1	194.9	
		4-26-67	(8) 93.9	186.1	
		5-15-67	(8) 81.9	198.1	
		8-22-67	(1)		
		9-13-67	(1) 91.2	188.8	
12S/05E-35N02 M	303.0	10-25-66	157.8	145.2	5050
		11-18-66	149.9	153.1	
		12-15-66	143.5	159.5	
		1-16-67	139.4	163.6	
		2-15-67	136.5	166.5	
SAN BENITO COUNTY 3-03.02 (CONT.)					
12S/05E-35N02 M CONT.	303.0	3-17-67	137.9	165.1	5050
		4-26-67	139.3	163.7	
		5-15-67	136.5	166.5	
		8-22-67	(1) 136.4	166.6	
		9-13-67	143.0	160.0	
13S/05E-11Q01 M	325.5	3-1-67	71.6	253.9	5000
SALINAS VALLEY 3-04.00					
PRESSURE AREA 180 FOOT AQUIFER 3-04.01					
14S/02E-03C01 M	10.6	12-15-66	15.5	-4.9	2100
14S/02E-15L01 M	23.0	12-19-66	(6)		2100
15S/02E-01Q01 M	42.0	10-18-66	(1)		2100
		11-16-66	42.7	-0.7	
		12-14-66	35.1	6.9	
		1-18-67	33.7	8.3	
		2-15-67	31.2	10.8	
		3-20-67	29.7	12.3	
		4-17-67	29.7	12.3	
		5-16-67	(1)		
		6-18-67	(1)		
		7-16-67	(1)		
		8-13-67	56.1	-14.1	
		9-13-67	56.4	-14.4	
15S/03E-16M01 M	58.0	12-22-66	37.4	20.6	2100
15S/04E-33A01 M	125.0	12-20-66	86.3	38.7	2100
16S/04E-11D01 M	110.0	12-19-66	52.1	57.9	2100
PRESSURE AREA 400 FOOT AQUIFER 3-04.01					
13S/02E-31Q01 M	11.0	12-13-66	11.4	-0.4	2100
14S/03E-18J01 M	69.0	10-17-66	91.8	-22.8	2100
		11-18-66	80.0	-11.0	
		12-15-66	70.4	-1.4	
		1-18-67	72.5	-3.5	
		2-15-67	(1)		
		3-20-67	70.7	-1.7	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PRESSURE AREA 400 FOOT AQUIFER 3-04.01 (CONT.)					
14S/03E-18J01 M	69.0	4-17-67	65.0	4.0	2100
CONT.		5-16-67	(7)		
		6-18-67	83.1	-14.1	
		7-16-67	94.4	-25.4	
		8-13-67	97.3	-28.3	
		9-15-67	(1)		
EAST SIDE AREA 3-04.02					
16S/05E-17R01 M	181.0	12-13-66	109.9	71.1	2100
ARROYO SECO CONE 3-04.04					
18S/06E-15M01 M	277.0	12-15-66	92.6	184.4	2100
19S/06E-11C01 M	373.0	10-21-66	189.6	183.4	2100
		11-14-66	194.0	179.0	
		12-15-66	169.2	203.8	
		1-17-67	(1)		
		2-17-67	159.0	214.0	
		3-22-67	(1)		
		4-18-67	(9)		
		5-17-67	(1)		
		6-18-67	163.2	209.8	
		7-16-67	(1)		
		8-13-67	(1)		
		9-18-67	(1)		
UPPER VALLEY AREA 3-04.05					
19S/07E-10P01 M	315.0	10-21-66	83.8	231.2	2100
		11-14-66	83.7	231.3	
		12-15-66	81.2	233.8	
		1-16-67	82.5	232.5	
		2-17-67	72.9	242.1	
		3-23-67	(1)		
		4-18-67	89.0	226.0	
		5-17-67	(1)		
		6-18-67	86.1	228.9	
		7-16-67	101.0	214.0	
		8-13-67	(1)		
		9-18-67	(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
UPPER VALLEY AREA 3-04.05 (CONT.)					
20S/08E-05R01 M	337.0	10-24-66	69.0	268.0	2100
		11-14-66	68.4	268.6	
		12-15-66	63.1	273.9	
		1-16-67	(1)		
		2-17-67	(1)		
		3-23-67	(1)		
		4-19-67	66.0	271.0	
		5-18-67	(1)		
		6-18-67	(1)		
		7-16-67	(1)		
		8-13-67	(1)		
		9-18-67	68.3	268.7	
21S/09E-06K1 M	344.0	12-19-66	(6)		2100
21S/10E-32N01 M	400.0	12-19-66	24.2	375.8	2100
22S/10E-16K01 M	472.0	12-19-66	72.0	400.0	2100
PASO ROBLES BASIN 3-04.06					
24S/10E-11C01 M	620.0	10-5-66	(5)		5117
		4-00-67	(0)		
24S/11E-25N01 M	603.3	4-28-67	36.8	566.5	5117
		8-31-67	41.8	561.5	
24S/11E-33R01 M	565.0	4-28-67	32.0	533.0	5117
		9-29-67	32.0	533.0	
24S/11E-35J01 M	616.8	10-5-66	62.3	554.5	5117
		5-4-67	61.7	555.1	
24S/12E-17N01 M	770.0	10-00-66	(0)		5117
24S/15E-33C01 M	1225.0	10-6-66	42.2	1182.8	5117
		5-9-67	36.0	1189.0	
25S/11E-35G01 M	895.0	10-6-66	61.3	833.7	5117
		5-4-67	60.5	834.5	
25S/12E-17J01 M	640.0	10-5-66	67.3	572.7	5117
		5-4-67	44.0	596.0	
25S/12E-17R01 M	640.0	10-5-66	65.5	574.5	5117
		5-4-67	64.5	575.5	

TABLE C-2

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

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 (CONT.)					
25S/12E-26K01 M	749.0	10-6-66	(1) 126.0	623.0	5117
		5-5-67	103.5	645.5	
25S/13E-11E01 M	1185.0	10-6-66	49.0	1136.0	5117
25S/16E-17L01 M	1165.0	10-6-66	(1) 51.5	1113.5	5117
		5-9-67	31.5	1133.5	
25S/16E-30M01 M	1218.0	10-6-66	68.5	1149.5	5117
		5-9-67	68.0	1150.0	
26S/12E-04N01 M	675.0	10-6-66	49.8	625.2	5117
		5-4-67	44.0	631.0	
26S/12E-26E01 M	840.0	10-4-66	212.5	627.5	5117
		5-2-67	191.0	649.0	
26S/12E-35M01 M	818.0	10-4-66	158.8	659.2	5117
		5-2-67	158.8	659.2	
26S/13E-10D01 M	800.0	10-6-66	36.5	763.5	5117
		5-5-67	13.1	786.9	
26S/13E-34B01 M	1005.0	10-7-66	160.3	844.7	5117
		5-5-67	155.6	849.4	
26S/14E-16L01 M	1018.0	10-6-66	(9)		5117
		5-9-67	(9)		
26S/14E-35D01 M	1135.0	10-10-66	125.0	1010.0	5117
		5-9-67	116.8	1018.2	
26S/15E-02B01 M	1115.0	10-6-66	30.2	1084.8	5117
		5-9-67	31.8	1083.2	
26S/15E-28Q02 M	1112.0	10-10-66	62.5	1049.5	5117
		5-10-67	58.7	1053.3	
26S/15E-29N01 M	1133.0	10-10-66	(1) 147.0	986.0	5117
		5-10-67	69.9	1063.1	
27S/12E-21N01 M	748.0	10-3-66	(2) 20.0	728.0	5117
		5-2-67	5.5	742.5	
27S/13E-24N01 M	1030.0	10-7-66	65.6	964.4	5117
		5-10-67	7.3	1022.7	

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
PASO ROBLES BASIN 3-04.06 (CONT.)					
27S/13E-32B01 M	1105.0	10-7-66	56.9	1048.1	5117
27S/15E-10R02 M	1130.0	10-10-66	65.4	1064.6	5117
		5-10-67	(9)		
27S/15E-13A01 M	1155.0	10-11-66	23.2	1131.8	5117
		5-9-67	(9)		
27S/16E-21E02 M	1255.0	10-11-66	59.4	1195.6	5117
		5-10-67	60.7	1194.3	
28S/12E-10G01 M	825.0	10-3-66	(1)		5117
		5-2-67	0.0	825.0	
28S/12E-10R02 M	805.0	10-4-66	30.0	775.0	5117
		4-8-67	7.2	797.8	
28S/12E-13N01 M	850.0	10-00-66	(0)		5117
28S/12E-14G01 M	824.6	10-3-66	4.0	820.6	5117
		5-2-67	-4.7	829.3	
28S/13E-04K01 M	1199.5	10-7-66	61.6	1137.9	5117
		5-9-67	42.9	1156.6	
28S/13E-04K02 M	1195.0	10-7-66	79.1	1115.9	5117
		5-9-67	75.9	1119.1	
28S/14E-07E01 M	1150.0	10-00-66	(0)		5117
28S/16E-23M01 M	1440.0	10-11-66	52.9	1387.1	5117
29S/13E-05F03 M	916.1	10-3-66	19.7	896.4	5117
		5-2-67	(9)		
29S/13E-05K02 M	928.0	10-4-66	16.8	911.2	5117
		5-2-67	5.8	922.2	
29S/13E-06A01 M	920.0	10-3-66	77.0	843.0	5117
		5-2-67	43.0	877.0	
29S/13E-19H01 M	1002.0	10-3-66	15.4	986.6	5117
		5-2-67	2.4	999.6	

GROUND WATER LEVELS AT WELLS

CENTRAL COASTAL AREA

STATE WELL NUMBER	GROUND SURFACE ELEVATION IN FEET	DATE	GROUND SURFACE TO WATER SURFACE IN FEET	WATER SURFACE ELEVATION IN FEET	AGENCY SUPPLYING DATA
SEASIDE AREA 3-04.08					
14S/02E-31M01 M	119.9	10-20-66	133.9	-14.0	5005
		11-00-66	(7)		
		12-22-66	123.9	-4.0	
		1-20-67	123.4	-3.5	
		2-00-67	(7)		
		3-17-67	127.5	-7.6	
		4-20-67	122.0	-2.1	
		5-00-67	(7)		
		6-14-67	128.8	-8.9	
		7-5-67	129.5	-9.6	
		8-11-67	128.5	-8.6	
		9-15-67	132.9	-13.0	
15S/01E-14N01 M	144.6	10-20-66	114.1	30.5	5005
		11-00-66	(7)		
		12-22-66	107.3	37.3	
		1-20-67	108.0	36.6	
		2-00-67	(7)		
		3-17-67	107.0	37.6	
		4-20-67	107.0	37.6	
		5-00-67	(7)		
		6-14-67	112.7	31.9	
		7-5-67	117.4	27.2	
		8-11-67	117.9	26.7	
		9-15-67	119.4	25.2	
CARMEL VALLEY 3-07.00					
16S/01E-16L01 M	75.0	1-9-67	19.0	56.0	2100
16S/01E-22E01 M	82.0	1-9-67	20.0	62.0	2100
16S/01E-23F01 M	109.0	1-10-67	29.6	79.4	2100
16S/01E-25B01 M	140.0	1-10-67	34.0	106.0	2100
WEST SANTA CRUZ TERRACE 3-26.00					
11S/02W-21E01 M	65.0	12-12-66	(8) 58.3	6.7	5102
		5-22-67	(1)		
11S/02W-22K01 M	30.0	12-12-66	(8) 77.8	-47.8	5102
		5-22-67	55.5	-25.5	

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

TABLE C-3

CORRECTIONS AND REVISIONS TO PREVIOUSLY PUBLISHED REPORTS OF GROUND WATER DATA

CENTRAL COASTAL AREA

Location of Error or Revision				Change or Revision	
Report	Pages	State Well Number	Item	From	To
			1958		
Bull. No. 77-58	A-17 & B-34	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	B-10	15N/12W-8L1	Reference Point Elevation	666.0	641.0
			1959		
Bull. No. 77-59	A-14 & B-16	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	A-15 & B-18	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	B-8	15N/12W-8L1	Reference Point Elevation	666.0	641.0
			1960		
Bull. No. 77-60	A-17 & B-22	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	A-18 & B-24	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	B-10	15N/12W-8L1	Reference Point Elevation	666.0	641.0
			1961		
Bull.No. 77-61	A-10 & B-21	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	A-11 & B-23	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	B-9 & B-10	15N/12W-8L1	Reference Point Elevation	665.0	641.0
			1962		
Bull. No. 77-62	44 & 89	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	45 & 91	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	77	15N/12W-8L1	Ground Surface Elevation	665.0	640.0
			1963		
Bull. No. 130-63	C-12 & C-26	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	C-13 & C-28	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	C-16	15N/12W-8L1	Ground Surface Elevation	665.0	640.0
			1964		
Bull. No. 130-64	66 & 80	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	67 & 81	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	70	15N/12W-8L1	Ground Surface Elevation	665.0	640.0
			1965		
Bull. No. 130-65	82 & 102	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	83 & 106	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	87	15N/12W-8L1	Ground Surface Elevation	665.0	640.0
			1966		
Bull. No. 130-66	73	7S/2W-3Q1	State Well Number	7S/2W-3Q1	7S/2W-3P1
	76	7S/5W-13E1	State Well Number	7S/5W-13E1	7S/5W-14C1
	61	15N/12W-8L1	Ground Surface Elevation	665.0	640.0
	76	5S/5W-10J1	State Well Number	5S/5W-10J1	5S/6W-10J1

Appendix D

SURFACE WATER QUALITY

INTRODUCTION

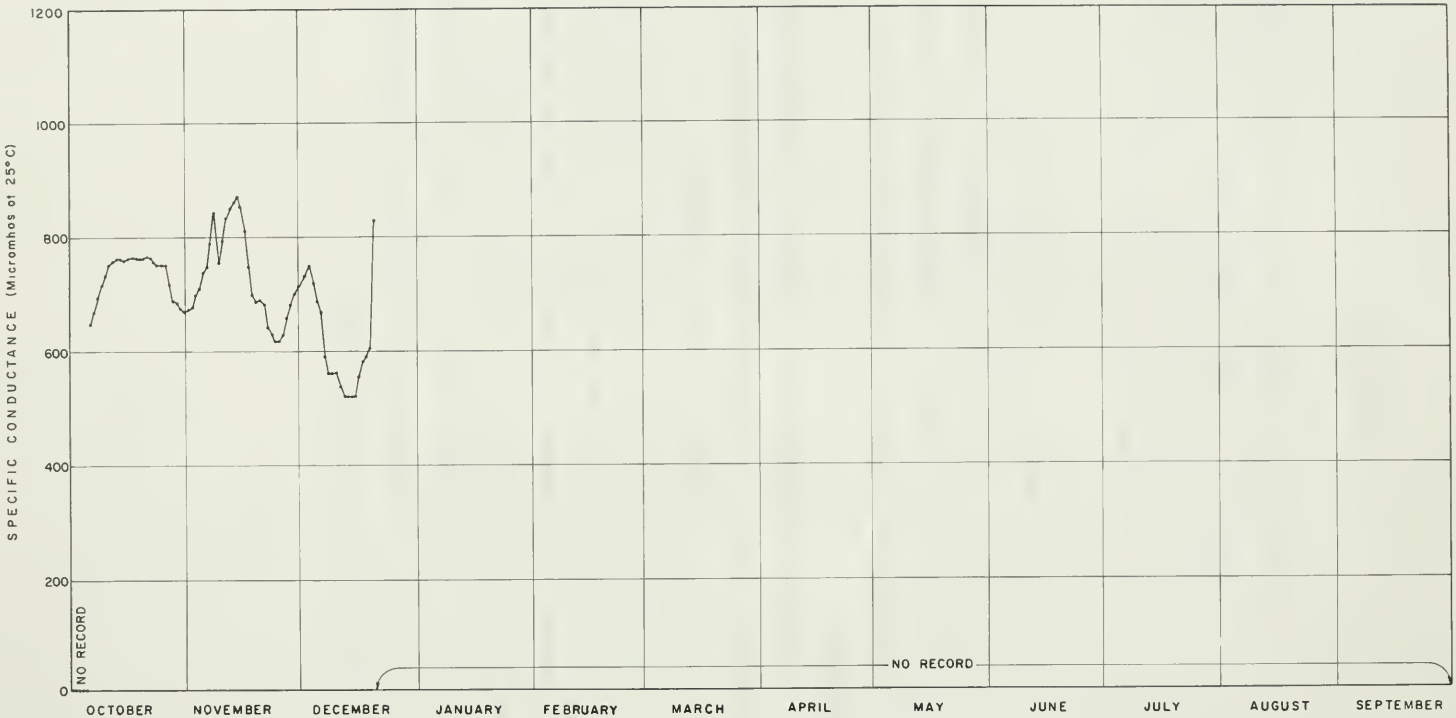
This appendix presents surface water quality data collected during the period from October 1, 1966, through September 30, 1967. The data were collected from 37 stream and estuarine stations in the Central Coastal Area in cooperation with other state, local, and federal agencies.

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".

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 departmental publication entitled "Index of Stream Gaging Stations in and Adjacent to California, 1966". For reference to previous reports, sequential station numbers, used in the past, follow each station name.

FIGURE D-1



SPECIFIC CONDUCTANCE

DAILY MEAN

ALAMEDA CREEK NEAR NILES (STA. E51150.00)

1966 – 67 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	101, 106, 117, 123
ARROYO DEL VALLE NEAR LIVERMORE (71)	E51400.00	4S/2E-4	July 1958	Bimonthly	102, 106
BIG RIVER NEAR MOUTH (8c)	F82720.00	17N/17W-24	Jan. 1959	Bimonthly	103, 107
CARMEL RIVER AT ROBLES DEL RIO (83)	D41200.00	17S/2E-2	Jan. 1952	Bimonthly	96, 106
COLLINSVILLE (236)	E31110.00	3N/1E-27	1924	Four-day	109
COYOTE CREEK NEAR MADRONE (82)	E64250.00	9S/3E-9	Jan. 1952	Bimonthly	102, 106
CROCKETT (237)	E03100.90	3N/3W-32	1946	Four-day	109
GUALALA RIVER, SOUTH FORK, NEAR ANNAPOLIS (9e)	F81100.00	10N/14W-22	Jan. 1959	Bimonthly	102, 107
LOS GATOS CREEK AT LOS GATOS (74)	E65250.00	8N/1W-29	Dec. 1951	Bimonthly	102, 106
MARTINEZ (239)	E03300.10	2N/2W-7	1926	Four-day	109
MIDDLE POINT (255)	E03200.00	2N/1W-4	Jan. 1964	Four-day	109
MONTEREY BAY AT SANTA CRUZ (120)	D0BC61.52	11S/1W-19	July 1965	Bimonthly	93, 113, 120
NACIMIENTO RIVER NEAR SAN MIGUEL (43b)	D33520.00	25S/11E-4	July 1958	Bimonthly	96, 106
NAPA RIVER AT DUTTON LANDING (72a)	E31100.50	4N/4W-9	Sept. 1965	Bimonthly	100, 106, 117, 123
NAPA RIVER NEAR ST. HELENA	E31500.00	8N/5W-33	Dec. 1951	Bimonthly	100, 106
NOYO RIVER NEAR FORT BRAGG (10c)	F83080.50	18N/17W-10	Jan. 1959	Bimonthly	103, 107
PAJARO RIVER AT CHITTENDEN (77)	D11250.00	12S-3E-12	Dec. 1951	Bimonthly	93, 106, 113, 120
PITTSBURG (240)	B91070.10	2N/1E-5	1945	Four-day	109
PORT CHICAGO (241)	E03200.90	3N/2W-36	1946	Four-day	109
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	8N/10W-32	Apr. 1951	Bimonthly	103, 107, 117, 123
RUSSIAN RIVER NEAR HEALDSBURG (9)	F91500.00	9N/9W-22	Apr. 1951	Bimonthly	104, 107
RUSSIAN RIVER NEAR HOPLAND (8a)	F91765.00	14N/12W-36	Apr. 1951	Bimonthly	104, 107
RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWERHOUSE (10a)	F94900.00	17N/11W-6	May 1951	Bimonthly	104, 107
SALINAS RIVER NEAR BRADLEY (43c)	D21850.00	23S/10E-15	July 1958	Bimonthly	95, 106
SALINAS RIVER AT PASO ROBLES (43a)	D31450.00	26S/12E-28	Apr. 1951	Bimonthly	95, 106
SALINAS RIVER NEAR SPRECKLES (43)	D21220.00	15S/3E-18	Apr. 1951	Bimonthly	94, 106, 113, 120
SAN ANTONIO RIVER NEAR PLEYTO (43d)	D32200.00	24S/9E-3	July 1958	Bimonthly	95, 106
SAN BENITO RIVER NEAR BEAR VALLEY FIRE STATION (77a)	D12450.00	15S/7E-28	July 1958	Bimonthly	94, 106
SAN FRANCISCO BAY AT FORT POINT	E0GJ47.72	1S/6W-25	Oct. 1964	Monthly	98, 115, 121
SAN FRANCISCO BAY AT TREASURE ISLAND	E0GH59.55	1S/5W-26	July 1965	Monthly	97, 114, 121
SAN FRANCISCO BAY AT COYOTE POINT	E0EH75.27	4S/4W-17	Dec. 1966	Monthly	121
SAN FRANCISCO BAY AT SAN MATEO BRIDGE	E0EG85.33	4S/3W-9	Oct. 1964	Monthly	96, 114, 120
SAN JOAQUIN RIVER BY ANTIOCH	B95010.01	2N/1E-1	Oct. 1966	Monthly	112, 119
SAN LORENZO RIVER AT BIG TREES (75)	D01200.00	10S/2W-27	Dec. 1951	Bimonthly	93, 106, 113, 120
SAN PABLO BAY AT POINT SAN PABLO	E0HJ74.01	1N/5W-5	Jan. 1964	Monthly	98, 115, 122
SOQUEL CREEK AT SOQUEL (76)	D03100.00	11S/1W-10	Dec. 1951	Bimonthly	93, 106
SUISUN BAY AT BENICIA	E0JG30.19	2N/3W-12	Jan. 1966	Monthly	99, 116, 122
UVAS CREEK NEAR MORGAN HILL (96)	D11371.50	10S/3E-17	July 1952	Bimonthly	94, 106

Mineral Analyses of Surface Water

Some of the column headings in the following table include:

Lab - The laboratory which analyzed the sample.

5000 indicates the U. S. Geological Survey laboratory.

5050 indicates the Department of Water Resources laboratory at Bryte.

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 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
D01200.00 SAN LORENZO RIVER AT BIG TREES (75)																				
D01200.00 11/15/66 1100	5000	1.46 36	10.8 108	59.0F	8.1 7.9	346	36 1.80	7.0 0.58	22 0.96 28	2.3 0.06	0 0.00	116 1.90	--	23 0.65	--	--	0.1	--	--	119 24
D01200.00 1/18/67 1120	5000	1.32 36	10.9 92	46.0F	8.4 8.0	387	43 2.15	9.2 0.76	23 1.00 25	1.6 0.04	3 0.10	130 2.13	--	22 0.62	--	--	0.0	--	--	146 34
D01200.00 5/3/67 0800	5000	2.86 288	10.6 95	50.0F	8.2 7.7	315	37 1.85	7.9 0.65	16 0.70 22	1.5 0.04	0 0.00	111 1.82	51 1.06	13 0.37	0.5 0.01	--	0.0	22	216 204	125 34
D01200.00 7/18/67 0900	5050	1.42 39	9.7 98	60.0F	8.3 7.7	368	--	--	19 0.83	--	0 0.00	129 2.11	--	18 0.51	--	--	0.0	--	--	139 33
D01200.00 9/6/67 1015	5050	0.99 28	9.7 101	63.0F	8.0 7.8	361	--	--	20 0.87	--	0 0.00	132 2.16	--	20 0.56	--	--	0.0	--	--	128 20
D03100.00 SOQUEL CREEK AT SOQUEL (76)																				
D03100.00 12/1/66 1400	5000	3.10 25	10.6 102	57.0F	8.5 8.3	653	63 3.14	19 1.56	45 1.96 29	3.3 0.08	9 0.30	158 2.59	--	49 1.38	--	--	0.2	--	--	235 91
D03100.00 1/17/67 1630	5000	2.06 11	13.5 119	50.0F	8.5 8.2	803	82 4.09	24 1.97	55 2.39 28	4.0 0.10	10 0.33	220 3.61	--	60 1.69	--	--	0.0	--	--	303 106
D03100.00 5/2/67 1645	5000	4.31 90	9.8 98	60.0F	8.2 8.1	514	59 2.94	16 1.32	25 1.09 20	2.4 0.06	0 0.00	163 2.67	109 2.27	16 0.45	0.5 0.01	--	0.0	21	360 329	213 79
DOPR61.52 MONTEREY BAY AT SANTA CRUZ (120)																				
DOPR61.52 1/18/67 0830	5050		10.6 114	48.0F	8.1 8.2	50300	--	--	9500 413.25	--	0 0.00	139 2.28	--	19300 544.45	--	--	3.4	--	--	6640 6530
D11250.00 PAJARO RIVER AT CHITTENDEN (77)																				
D11250.00 11/30/66 1010	5000	2.69 1.8	9.2 91	58.0F	8.5 7.8	1330	52 2.59	70 5.76	141 6.13 42	4.4 0.11	31 1.03	388 6.36	--	133 3.75	--	--	0.6	--	--	418 47
D11250.00 1/12/67 0810	5000	2.68 1.6	10.0 88	49.0F	8.3 7.9	1490	102 5.09	82 6.75	112 4.87 29	3.6 0.09	8 0.27	398 6.52	--	118 3.33	--	--	0.7	--	--	592 253
D11250.00 3'9/67 1015	5000	3.08 78	9.9 88	50.0F	8.4 7.8	994	75 3.74	56 4.61	65 2.83 25	1.6 0.04	8 0.27	288 4.72	--	64 1.81	--	--	0.3	--	--	418 169

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
D11250.00 PAJARO RIVER AT CHITTENDEN (77) (CONT.)																				
D11250.00 5/18/67 1020	5000	3.23 150	7.8 82	64.0F	7.8 8.0	743	57 2.84	38 3.13	45 1.96 25	2.0 0.05	0 0.00	272 4.46	101 2.10	44 1.24	13 0.21	--	0.2	16	468 450	298 75
D11250.00 7/18/67 0715	5050	19	7.1 75	65.0F	8.5 8.1	1410	--	--	104 4.52	--	13 0.43	436 7.15	--	106 2.99	--	--	0.6	--	--	547 168
D11250.00 9/6/67 0730	5050	1.05 5.0	6.8 73	66.0F	8.3 8.2	1390	--	--	114 4.96	--	0 0.00	486 7.96	--	120 3.38	--	--	0.6	--	--	511 113
D11371.50 UVAS CREEK NEAR MORGAN HILL (96)																				
D11371.50 11/18/66 0910	5000		13.5 127	54.0F	8.5 7.8	408	37 1.85	23 1.89	14 0.61 14	1.2 0.03	9 0.30	189 3.10	--	8.6 0.24	--	--	0.1	--	--	187 17
D11371.50 1/17/67 1450	5000		10.0 89	50.0F	8.5 7.9	325	34 1.70	16 1.32	10 0.44 13	1.0 0.03	6 0.20	155 2.54	--	6.8 0.19	--	-	0.1	--	--	151 14
D11371.50 5/2/67 1520	5000	120 est.	9.6 99	62.0F	8.1 8.0	256	26 1.30	13 1.07	8.0 0.35 13	0.9 0.02	0 0.00	135 2.21	19 0.40	5.1 0.14	0.6 0.01	--	0.0	17	166 157	118 7
D12450.00 SAN BENITO RIVER NEAR BEAR VALLEY FIRE STATION (77a)																				
D12450.00 11/25/66 1330	5000	4.56 0.5	13.1 136	60.0F	8.7 8.6	2120	46 2.30	121 9.95	276 12.01 49	4.4 0.11	41 1.37	540 8.85	--	184 5.19	--	--	2.0	--	--	612 100
D12450.00 1/10/67 1300	5000	4.58 2.9	11.2 118	62.0F	8.6 8.0	1610	38 1.90	117 9.62	168 7.31 39	3.2 0.08	110 3.67	422 6.92	--	106 2.99	--	--	1.4	--	--	576 46
D12450.00 5/16/67 1020	5000	4.45 40	9.4 101	64.0F	8.6 8.8	876	31 1.55	79 6.50	56 2.44 23	2.2 0.06	20 0.67	403 6.61	103 2.14	28 0.79	0.5 0.01	--	0.6	8.0	584 526	402 39
D21220.00 SALINAS RIVER NEAR SPRECKELS (43)																				
D21220.00 11/30/66 0810	5000	7.12 1.5	2.9 29	60.0F	7.9 7.4	1140	53 2.64	32 2.63	138 6.00 52	12 0.31	0 0.00	200 3.28	--	130 3.67	--	--	0.4	--	--	264 100
D21220.00 1/12/67 0658	5000	9.06 160	4.5 39	48.0F	8.5 7.5	917	81 4.04	34 2.80	69 3.00 30	4.4 0.11	14 0.47	230 3.77	--	60 1.69	--	--	0.2	--	--	342 130
D21220.00 3/9/67 0830	5000	9.64 305	5.0 42	47.0F	8.5 7.2	838	77 3.84	32 2.63	60 2.61 28	3.1 0.08	8 0.27	2.28 3.74	--	48 1.35	--	--	0.2	--	--	324 124

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
D21220.00 SALINAS RIVER NEAR SPRECKELS (43) (CONT.)																				
D21220.00 5/18/67 0730	5000	9.86 455	8.5 92	67.0F	8.3 8.3	740	71 3.54	28 2.30	49 2.13 26	2.9 0.07	2 0.07	230 3.77	141 2.94	50 1.41	2.9 0.05	--	0.2	23	496 483	292 100
D21220.00 7/18/67 0515	5050	6.74 82	7.8 82	65.0F	8.3 8.0	739	--	--	50 2.18	--	0 0.00	210 3.44	--	39 1.10	--	--	0.2	--	--	273 101
D21220.00 9/6/67 0530	5050	8.10 285	8.5 93	68.0F	7.8 8.0	356	--	--	15 0.65	--	0 0.00	137 2.24	--	11 0.31	--	--	0.0	--	--	140 28
D21850.00 SALINAS RIVER NEAR BRADLEY (43c)																				
D21850.00 11/26/66 1030	5000	4.45 150	10.8 101	53.0F	Sample Lost 8.1															
D21850.00 1/11/67 1000	5000	3.62 66	10.7 96	50.0F	8.6 8.2	858	81 4.04	32 2.63	66 2.87 30	2.8 0.07	18 0.60	252 4.13	--	52 1.47	--	--	0.2	--	--	334 98
D21850.00 5/17/67 1015	5000	4.70 320	7.7 92	75.0F	8.3 8.2	648	65 3.24	26 2.14	39 1.70 24	2.2 0.06	4 0.13	237 3.88	99 2.06	33 0.93	1.3 0.02	--	0.1	20	418 407	269 68
D31450.00 SALINAS RIVER AT PASO ROBLES (43a)																				
D31450.00 11/26/66 0800		0.0																		
D31450.00 1/10/67 1605	5000		10.8		8.5 8.1	822	90 4.49	32 2.63	46 2.00 22	2.4 0.06	12 0.40	2.72 4.46	--	40 1.13	--	--	0.1	--	--	356 113
D31450.00 5/16/67 1455	5000		6.9 91	85.0F	8.3 8.2	696	79 3.94	30 2.47	30 1.30 17	1.8 0.05	4 0.13	263 4.31	110 2.29	40 1.13	2.1 0.03	--	0.0	20	468 446	320 98
D32200.00 SAN ANTONIO RIVER NEAR PLEYTO (43d)																				
D32200.00 11/25/66 1545	5000	0.5 est.	11.2 120	66.0F	8.6 8.6	446	49 2.45	16 1.32	23 1.00 21	1.6 0.04	8 0.27	170 2.79	--	14 0.39	--	--	0.0	--	--	188 35
D32200.00 1/11/67 0905	5000	50 est.	10.9 101	52.0F	8.4 8.4	418	51 2.54	15 1.23	16 0.70 16	1.4 0.04	3 0.10	165 2.70	--	9.0 0.25	--	--	0.0	--	--	188 48

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
D33520.00 NACIMIENTO RIVER NEAR SAN MIGUEL (43b)																				
D33520.00 11/26/66 0930	5000	130 est.	9.6 90	53.0F	8.4 7.9	339	34 1.70	17 1.40	12 0.52 14	1.5 0.04	4 0.13	144 2.36	--	8.0 0.23	--	--	0.0	--	--	155 30
D33520.00 1/11/67 0740	5000		9.2 83	50.0F	8.4 7.6	370	40 2.00	18 1.48	13 0.57 14	1.3 0.03	4 0.13	160 2.62	--	9.0 0.25	--	--	0.0	--	--	174 36
D33520.00 5/17/67 0920	5000		7.5 83	67.0F	7.8 7.8	270	29 1.45	12 0.99	8.8 0.38 13	1.3 0.03	0 0.00	120 1.97	32 0.67	7.0 0.20	0.4 0.01	--	0.0	9.1	162 159	122 24
D41200.00 CARMEL RIVER AT ROBLES DEL RIO (83)																				
D41200.00 11/30/66 0700		0.0																		
D41200.00 1/11/67 1200	5000	2.45 21	13.2 115	49.0F	8.2 7.8	270	26 1.30	9.2 0.76	15 0.65 24	2.0 0.05	0 0.00	106 1.74	--	12 0.34	--	--	0.0	--	--	103 16
D41200.00 5/17/67 1335	5000	3.69 165	8.9 96	67.0F	8.0 8.1	238	23 1.15	8.2 0.67	12 0.52 22	2.0 0.05	0 0.00	100 1.64	24 0.50	10 0.28	0.4 0.01	--	0.0	22	163 151	91 9
E0EG85.33 SAN FRANCISCO BAY AT SAN MATEO BRIDGE																				
E0EG85.33 10/19/66 1040	5050		6.9 84	60.0F	-- 8.0	50100	--	--	--	--	--	--	--	18800	--	--	--	--	34100	--
E0EG85.33 11/17/66 1030	5050		7.4 89	59.0F	-- 8.2	49100	--	--	--	--	--	--	--	18100	--	--	--	--	--	--
E0EG85.33 12/16/66 1030	5050		7.6 78	50.0F	-- 8.1	40800	--	--	--	--	--	--	--	14100	--	--	--	--	27300	--
E0EG85.33 1/27/67 1005	5050		9.2 94	50.0F	-- 8.2	38200	--	--	--	--	--	--	--	13400	--	--	--	--	24300	--
E0EG85.33 2/24/67 1015	5050		13.0 124	47.0F	-- 8.0	30000	--	--	--	--	--	--	--	10900	--	--	--	--	20000	--
E0EG85.33 3/29/67 1230	5050		10.2 100	48.0F	-- 7.2	34600	--	--	--	--	--	--	--	119000	--	--	--	--	22400	--
E0EG85.33 4/27/67 1235	5050		9.7 103	56.0F	-- 8.2	30000	--	--	--	--	--	--	--	10500	--	--	--	--	20100	--

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
EOEG85.33 SAN FRANCISCO BAY AT SAN MATEO BRIDGE (CONT.)																				
EOEG85.33 5/26/67 0600	5050		7.7 88	62.0F	-- 8.2	29700	--	--	--	--	--	--	--	10700	--	--	--	--	20300	--
EOEG85.33 6/22/67 1110	5050		8.4 100	65.0F	--	35400	--	--	--	--	--	--	--	12200	--	--	--	--	22900	--
EOEG85.33 8/22/67 0815	5050		7.2 90	68.0F	-- 8.2	41100	--	--	--	--	--	--	--	13500	--	--	--	--	28500	--
EOGH59.55 SAN FRANCISCO BAY AT TREASURE ISLAND																				
EOGH59.55 10/19/66 0745	5050		7.4 89	58.0F	-- 7.2	49300	--	--	--	--	--	--	--	18800	--	--	--	--	34000	--
EOGH59.55 11/17/66 0710	5050		9.3 110	58.0F	-- 7.2	47200	--	--	--	--	--	--	--	17900	--	--	--	--	--	--
EOGH59.55 12/15/66 0750	5050		8.5 89	53.0F	-- 8.4	33400	--	--	--	--	--	--	--	11900	--	--	--	--	22900	--
EOGH59.55 1/27/67 0600	5050		9.6 96	49.0F	-- --	33400	--	--	--	--	--	--	--	12400	--	--	--	--	22900	--
EOGH59.55 2/24/67 0602	5050		8.0 85	52.0F	-- --	39800	--	--	--	--	--	--	--	14200	--	--	--	--	25600	--
EOGH59.55 3/29/67 0820	5050		--	47.0F	-- 8.2	36700	--	--	--	--	--	--	--	12700	--	--	--	--	23700	--
EOGH59.55 4/27/67 0720	5050		8.8 92	53.0F	-- 8.2	32600	--	--	--	--	--	--	--	11700	--	--	--	--	22400	--
EOGH59.55 5/26/67 0800	5050		7.6 87	61.0F	-- 8.0	37000	--	--	--	--	--	--	--	12600	--	--	--	--	24400	--
EOGH59.55 6/22/67 0645	5050		7.1 79	57.0F	-- 8.0	38600	--	--	--	--	--	--	--	13600	--	--	--	--	25200	--
EOGH59.55 8/21/67 0650	5050		6.6 79	62.0F	-- 8.1	46800	--	--	--	--	--	--	--	15000	--	--	--	--	33200	--

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
EOGJ47.72 SAN FRANCISCO BAY AT FORT POINT																				
EOGJ47.72 10/19/66 0842	5050		7.8 93	58.0F	-- 8.0	49600	--	--	--	--	--	--	--	18800	--	--	--	--	34500	--
EOGJ47.72 11/17/66 0830	5050		8.0 94	57.0F	-- 8.2	49000	--	--	--	--	--	--	--	18300	--	--	--	--	--	--
EOGJ47.72 12/15/66 0915	5050		8.9 94	53.0F	-- 8.3	37900	--	--	--	--	--	--	--	13000	--	--	--	--	25000	--
EOGJ47.72 1/27/67 0720	5050		9.2 95	50.0F	-- 7.4	39100	--	--	--	--	--	--	--	13700	--	--	--	--	25400	--
EOGJ47.72 2/23/67 0558	5050		9.3 93	46.0F	-- 8.1	43800	--	--	--	--	--	--	--	15300	--	--	--	--	29400	--
EOGJ47.72 3/29/67 1000	5050		--	46.0F	-- 7.2	37000	--	--	--	--	--	--	--	12600	--	--	--	--	24300	--
EOGJ47.72 4/27/67 0900	5050		8.9 94	53.0F	-- 8.2	37300	--	--	--	--	--	--	--	12600	--	--	--	--	24400	--
EOGJ47.72 5/26/67 0930	5050		7.3 81	58.0F	-- 8.2	36700	--	--	--	--	--	--	--	12400	--	--	--	--	24400	--
EOGJ47.72 6/22/67 0830	5050		7.5 87	61.0F	-- --	38200	--	--	--	--	--	--	--	13500	--	--	--	--	25300	--
EOGJ47.72 8/21/67 0820	5050		6.6 78	60.0F	-- 8.1	47800	--	--	--	--	--	--	--	15800	--	--	--	--	34100	--
EOBJ74.01 SAN PABLO BAY AT POINT SAN PABLO																				
EOBJ74.01 10/20/66 0750	5050		7.2 85	59.0F	-- --	46100	--	--	--	--	--	--	--	16800	--	--	--	--	31200	--
EOBJ74.01 11/17/66 1200	5050		7.6 89	60.0F	-- 8.0	40400	--	--	--	--	--	--	--	14600	--	--	--	--	--	--
EOBJ74.01 12/14/66 0930	5050		9.1 88	52.0F	-- 7.9	18100	--	--	--	--	--	--	--	5910	--	--	--	--	11400	--
EOBJ74.01 1/26/67 0815	5050		9.3 87	48.0F	-- 7.8	21800	--	--	--	--	--	--	--	7770	--	--	--	--	14100	--

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
EOHJ74.01 SAN PABLO BAY AT POINT SAN PABLO (CONT.)																				
EOHJ74.01 2/24/67 0830	5050		8.5 80	46.0F	-- --	29700	--	--	--	--	--	--	--	10800	--	--	--	--	19700	--
EOHJ74.01 3/30/67 0945	5050		10.1 87	45.0F	-- 7.2	12200	--	--	--	--	--	--	--	3780	--	--	--	--	7340	--
EOHJ74.01 4/26/67 0900	5050		9.6 91	53.0F	-- --	10500	--	--	--	--	--	--	--	3150	--	--	--	--	6310	--
EOHJ74.01 5/24/67 0730	5050		7.9 85	63.0F	-- 7.7	15100	--	--	--	--	--	--	--	4800	--	--	--	--	9450	--
EOHJ74.01 6/21/67 0830	5050		7.7 82	61.0F	-- --	17000	--	--	--	--	--	--	--	6130	--	--	--	--	10500	--
EOHJ74.01 8/22/67 0940	5050		7.6 91	66.0F	-- 8.0	35100	--	--	--	--	--	--	--	11200	--	--	--	--	23500	--
EOJG30.19 SUISUN BAY AT BENICIA																				
EOJG30.19 10/20/66 0920	5050		8.0 91	64.0F	-- --	23200	--	--	--	--	--	--	--	8190	--	--	--	--	15000	--
EOJG30.19 11/16/66 1140	5050		8.1 89	63.0F	-- 7.0	18000	--	--	--	--	--	--	--	6130	--	--	--	--	--	--
EOJG30.19 12/15/66 1143	5050		9.7 86	50.0F	-- 7.3	368	--	--	--	--	--	--	--	60	--	--	--	--	219	--
EOJG30.19 1/26/67 1015	5050		11.0 95	48.0F	-- 7.3	558	--	--	--	--	--	--	--	110	--	--	--	--	344	--
EOJG30.19 2/23/67 0830	5050		12.2 102	45.0F	-- 8.0	3740	--	--	--	--	--	--	--	1030	--	--	--	--	2040	--
EOJG30.19 3/30/67 1225	5050		--	47.0F	-- 7.2	467	--	--	--	--	--	--	--	78	--	--	--	--	258	--

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
							EOJG30.19 SUISUN BAY AT BENICIA (CONT.)													
EOJG30.19 4/26/67 1100	5050		10.1 96	56.0F	-- 7.5	424	--	--	--	--	--	--	--	63	--	--	--	--	249	--
EOJG30.19 5/24/67 1015	5050		8.1 87	67.0F	-- 7.7	344	--	--	--	--	--	--	--	55	--	--	--	--	190	--
EOJG30.19 6/21/67 0935	5050		8.2 88	66.0F	-- --	358	--	--	--	--	--	--	--	82	--	--	--	--	200	--
EOJG30.19 8/21/67 1040	5050		7.5 85	68.0F	-- 7.8	13000	--	--	--	--	--	--	--	3920	--	--	--	--	8130	--
							E31100.50 NAPA RIVER AT DUTTON LANDING (72a)													
E31100.50 11/16/66 0750	5000		6.5 70	59.0F	7.6 7.5	27000	213 10.63	650 53.47	5350 232.72 77	180 4.60	0 0.00	120 1.97	--	9350 263.76	--	--	2.1	--	--	3200 3100
E31100.50 1/27/67 0850	5000		8.8 77	49.0F	7.7 7.8	387	13 0.65	12 0.99	43 1.87 52	3.4 0.09	0 0.00	67 1.10	--	63 1.78	--	--	0.1	--	--	82 27
E31100.50 3/30/67 1050	5000		8.1 76	55.0F	8.1 7.2	942	20 1.00	22 1.81	135 5.87 67	4.8 0.12	0 0.00	86 1.41	--	214 6.04	--	--	0.1	--	--	140 69
E31100.50 5/24/67 0700	5000		5.8 66	71.0F	7.8 7.5	4120	43 2.15	90 7.40	660 28.71 74	24 0.61	0 0.00	122 2.00	--	1150 32.44	--	--	0.4			478 378
E31100.50 8/22/67 0925	5050		5.8 69	72.0F	-- 7.6	17200	--	--	--	--	--	--	--	5260 148.38	--	--	--	--	11400	--
							E31500.00 NAPA RIVER NEAR ST. HELENA (72)													
E31500.00 11/1/66 1540	5000	3.18 0.5	8.4 92	68.0F	8.5 7.4	363	32 1.60	17 1.40	21 0.91 23	2.0 0.05	6 0.20	178 2.92	--	14 0.39	--	--	0.3	--	--	150 0
E31500.00 1/4/67 0950	5000	1.20 26	8.9 78	49.0F	7.9 7.1	246	18 0.90	8.8 0.72	17 0.74 31	22 0.06	0 0.00	91 1.49	--	13 0.37	--	--	0.2	--	--	81 6
E31500.00 5/10/67 1030	5000	1.74 72	9.8 96	58.0F	7.7 7.4	189	17 0.85	7.8 0.64	12 0.52 25	1.9 0.05	0 0.00	87 1.43	14 0.29	8.7 0.25	5.0 0.08	--	0.1	36	158 146	74 3

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
E51150.00 ALAMEDA CREEK NEAR NILES (73)																				
E51150.00 10/27/66 1225	5000	2.95 31	11.8 118	60.0F	8.5 8.0	666	33 1.65	18 1.48	72 3.13 49	3.0 0.08	8 0.27	125 2.05	--	101 2.85	--	--	0.3	--	--	156 40
E51150.00 11/16/66 1245	5000	2.92 29	9.7 97	60.0F	8.5 7.9	800	41 2.05	22 1.81	86 3.74 49	4.0 0.10	39 1.30	112 1.84	--	110 3.10	--	--	0.4	--	--	193 36
E51150.00 12/20/66 1130	5000	2.54 7.5	9.9 90	52.0F	8.4 7.9	860	64 3.19	32 2.63	72 3.13 35	3.4 0.09	4 0.13	262 4.29	--	88 2.48	--	--	0.6	--	--	291 70
E51150.00 1/26/67 0700	5000	4.70 655	8.1 73	52.0F	8.1 7.6	304	26 1.30	12 0.99	18 0.78 25	2.1 0.05	0 0.00	121 1.98	--	14 0.39	--	--	0.2	--	--	114 15
E51150.00 2/20/67 1300	5000	2.95 30	13.6 123	52.0F	8.5 8.4	823	68 3.39	34 2.80	64 2.78 31	3.6 0.09	10 0.33	252 4.13	--	69 1.95	--	--	0.6	--	--	310 87
E51150.00 3/29/67 1235	5000	3.46 100	11.0 101	53.0F	8.3 8.3	498	41 2.05	20 1.65	37 1.61 30	2.1 0.05	3 0.10	178 2.92	--	34 0.96	--	--	0.4	--	--	185 34
E51150.00 4/25/67 1120	5000	3.99 274	10.5 97	54.0F	8.2 8.0	357	33 1.65	15 1.23	21 0.91 24	1.7 0.04	0 0.00	160 2.62	--	14 0.39	--	--	0.2	--	--	144 13
E51150.00 5/9/67 0910	5000	3.40 87	9.1 95	64.0F	8.0 8.7	752	63 3.14	33 2.71	60 2.61 31	3.1 0.08	0 0.00	288 4.72	90 1.87	66 1.86	5.8 0.09	--	0.5	13	500 476	292 56
E51150.00 6/14/67 1020	5000	2.84 20	9.2 97	65.0F	8.4 8.2	915	72 3.59	38 3.13	72 3.13 31	3.6 0.09	8 0.27	296 4.85	--	80 2.26	--	--	0.5	--	--	336 80
E51150.00 7/5/67 1153	5050	2.60 8.4	8.9 106	77.0F	8.6 8.3	1120	--	--	87 3.78	--	14 0.47	332 5.44	--	106 2.99	--	--	1.0	--	--	394 98
E51150.00 8/17/67 0640	5050	2.77 16	7.5 84	71.0F	8.1 8.3	740	--	--	65 2.83	--	0 0.00	206 3.38	--	79 2.23	--	--	0.5	--	--	224 55
E51150.00 9/7/67 1015	5050	2.92 23	8.6 96	70.0F	8.1 8.1	652	--	--	60 2.61	--	0 0.00	158 2.59	--	78 2.20	--	--	0.4	--	--	175 45

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
E51400.00 ARROYO DEL VALLE NEAR LIVERMORE (71)																				
E51400.00 12/1/66 1250	5000	2.20 1.6	9.6 92	55.0F	8.3 7.9	997	82 4.09	45 3.70	71 3.09 28	2.0 0.05	4 0.13	376 6.16	--	84 2.37	--	--	1.0	--	--	390 75
E51400.00 1/13/67 0830	5000	2.29 3.8	15.0 138	52.0F	8.3 7.9	639	55 2.74	33 2.71	36 1.57 22	1.6 0.04	3 0.10	269 4.41	--	31 0.87	--	--	0.4	--	--	272 46
E51400.00 5/9/67 1150	5000	2.64 24	8.9 90	60.0F	8.4 8.2	517	50 2.50	27 2.22	21 0.91 16	1.9 0.05	4 0.13	246 4.03	54 1.12	14 0.39	0.8 0.01	--	0.2	13	336 307	236 28
E64250.00 COYOTE CREEK NEAR MADRONE (82)																				
E64250.00 11/18/66 1050	5000	0.0																		
E64250.00 1/17/67 1310	5000	2.30 42	10.5 100	55.0F	8.4 8.0	493	44 2.20	23 1.89	28 1.22 23	2.0 0.05	1 0.03	217 3.56	--	21 0.59	--	--	0.2	--	--	204 24
E64250.00 5/2/67 1410	5000	1.83 2.6	14.5 151	63.0F	8.7 8.9	318	30 1.50	14 1.15	15 0.65 19	1.5 0.04	8 0.27	121 1.98	33 0.69	9.1 0.26	1.8 0.03	--	0.0	11	208 182	132 20
E65250.00 LOS GATOS CREEK AT LOS GATOS (74)																				
E65250.00 12/1/66 1540	5000	3.52 0.6	10.0 105	63.0F	8.5 8.2	509	58 2.89	22 1.81	18 0.78 14	1.9 0.05	12 0.40	182 2.98	--	11 0.31	--	--	0.1	--	--	235 66
E65250.00 1/17/67 1140	5000	3.91 15	10.4 107	61.0F	8.4 8.1	381	41 2.05	16 1.32	14 0.61 15	2.0 0.05	2 0.07	140 2.29	--	8.5 0.24	--	--	0.1	--	--	168 50
E65250.00 5/2/67 1055	5000	4.63 105	10.6 99	53.0F	8.1 8.3	270	29 1.45	11 0.90	10 0.44 16	1.2 0.03	0 0.00	119 1.95	34 0.71	5.3 0.15	1.1 0.02	--	0.0	14	179 165	118 20
F81100.00 GUALALA RIVER, SOUTH FORK, NEAR ANNAPOLIS (9a)																				
F81100.00 11/4/66 0950	5000	4.13 596	10.4 98	55.0F	8.6 7.3	278	26 1.30	13 1.07	14 0.61 20	1.3 0.03	5 0.17	148 2.43	--	7.6 0.21	--	--	0.1	--	--	118 0
F81100.00 1/6/67 1150	5000	2.63 95	10.9 106	58.0F	8.4 7.8	217	21 1.05	9.9 0.81	9.0 0.39 17	1.0 0.03	2 0.07	110 1.80	--	5.8 0.16	--	--	0.1	--	--	93 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
F82720.00 BIG RIVER NEAR MOUTH (8c)																				
F82720.00 11/3/66 1130	5000	20 est.	9.8 91	54.0F	8.4 7.4	225	22 1.10	7.7 0.63	12 0.52 23	1.3 0.03	3 0.10	110 1.80	--	7.4 0.21	--	--	0.3	--	--	86 0
F82720.00 1/5/67 1450	5000	50 est.	13.0 115	50.0F	8.4 7.6	209	19 0.95	6.6 0.54	9.8 0.43 22	1.1 0.03	1 0.03	98 1.61	--	6.1 0.17	--	--	0.2	--	--	74 0
F83080.50 NOYO RIVER NEAR FORT BRAGG (10c)																				
F83080.50 11/3/66 1030	5000	2.90 21	9.9 96	58.0F	8.3 7.3	177	16 0.80	5.6 0.46	12 0.52 29	1.1 0.03	2 0.07	80 1.31	--	9.7 0.27	--	--	0.1	--	--	63 0
F83080.50 1/6/67 0900	5000	3.07 49	10.9 95	49.0F	8.0 7.4	149	14 0.70	4.7 0.39	8.9 0.39 26	1.0 0.03	0 0.00	70 1.15	--	7.1 0.20	--	--	0.1	--	--	54 0
F91080.50 RUSSIAN RIVER AT GUERNEVILLE (10)																				
F91080.50 11/30/66 0815	5000	7.10 1320	9.6 91	56.0F	8.4 7.6	246	21 1.05	13 1.07	9.7 0.42 16	1.9 0.05	2 0.07	114 1.87	--	7.0 0.20	--	--	0.2	--	--	106 9
F91080.50 1/20/67 0755	5000	9.42 2890	10.2 95	54.0F	8.2 7.8	181	19 0.95	8.0 0.66	5.7 0.25 13	1.1 0.03	0 0.00	91 1.49	--	2.6 0.07	--	--	0.3	--	--	80 5
F91080.50 3/30/67 0715	5000	8.79 2470	10.4 94	52.0F	8.3 7.3	224	21 1.05	12 0.99	8.5 0.37 15	1.1 0.03	2 0.07	118 1.93	--	4.1 0.12	--	--	0.2	--	--	102 2
F91080.50 5/31/67 0840	5000	550	9.1 97	66.0F	7.9 7.9	302	29 1.45	16 1.32	10 0.44 14	1.2 0.03	0 0.00	165 2.70	17 0.35	5.3 0.15	2.5 0.04	--	0.2	15	184 177	139 3
F91080.50 7/5/67 0750	5050	4.05 268	7.2 74	75.0F	8.3 7.9	313	--	--	11 0.48	--	0 0.00	163 2.67	--	7.4 0.21	--	--	0.3	--	--	136 2
F91080.50 9/7/67 0645	5050	3.90 223	8.3 96	74.0F	8.1 8.1	253	--	--	8.5 0.37	--	0 0.00	137 2.24	--	5.0 0.14	--	--	0.3	--	--	113 1

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
F91500.00 RUSSIAN RIVER NEAR HEALDSBURG (9)																				
F91500.00 11/4/66 0630	5000	1.77 405	10.6 104	59.0F	8.5 8.0	226	24 1.20	10 0.82	7.3 0.32 14	1.1 0.03	4 0.13	120 1.97	--	3.6 0.10	--	--	0.3	--	--	101 0
F91500.00 1/20/67 0700	5000	3.36 1860	10.2 85	46.0F	8.1 8.1	180	18 0.90	8.2 0.67	6.3 0.27 14	1.2 0.03	0 0.00	91 1.49	--	3.2 0.09	--	--	0.2	--	--	78 3
F91500.00 5/11/67 0930	5000	2.92 1290	10.1 97	57.0F	8.0 7.8	244	24 1.20	13 1.07	7.7 0.33 13	0.9 0.02	0 0.00	134 2.20	14 0.29	3.7 0.10	2.1 0.03	--	0.2	14	153 146	114 4
F91765.00 RUSSIAN RIVER NEAR HOPLAND (8a)																				
F91765.00 11/2/66 1530	5000	5.89 466	9.9 107	65.0F	8.4 7.2	205	23 1.15	8.7 0.72	6.9 0.30 14	0.9 0.02	3 0.10	109 1.79	--	3.1 0.09	--	--	0.2	--	--	94 0
F91765.00 1/5/67 0900	5000	4.99 127	8.5 75	48.0F	8.4 7.0	247	24 1.20	12 0.99	9.0 0.39 15	1.0 0.03	2 0.07	124 2.03	--	6.0 0.17	--	--	0.4	--	--	110 5
F91765.00 5/11/67 0730	5000	6.19 694	10.1 93	52.0F	7.6 7.4	190	19 0.95	8.9 0.73	7.1 0.31 15	0.9 0.02	0 0.00	101 1.66	10 0.21	3.1 0.09	1.6 0.03	--	0.1	12	120 113	84 1
F94900.00 RUSSIAN RIVER, EAST FORK, AT POTTER VALLEY POWERHOUSE (10a)																				
F94900.00 11/2/66 1610	5000	3.55 310	11.7 123	62.0F	8.4 8.0	194	24 1.20	6.8 0.56	5.6 0.24 12	0.9 0.02	2 0.07	104 1.70	--	3.0 0.08	--	--	0.3	--	--	88 0
F94900.00 1/5/67 1200	5000	3.48 300	14.0 127	50.0F	8.2 7.5	142	17 0.85	5.0 0.41	4.4 0.19 13	1.0 0.03	0 0.00	77 1.26	--	2.1 0.06	--	--	0.4	--	--	63 0
F94900.00 5/10/67 1715	5000	3.50 303	10.4 97	52.0F	8.1 7.7	133	16 0.80	4.9 0.40	4.0 0.17 12	0.6 0.02	0 0.00	71 1.16	7.0 0.15	1.2 0.03	0.2 0.00	--	0.1	11	91 80	60 2

Miscellaneous Constituents in Surface Water

Two of the several column headings in the following table 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 detergents ABS and LAS.

TABLE D-3

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	11-15-66	80					
		1-18-67	2					
		5-3-67	4		0.0	0.00	0.23	
		7-18-67	2					
		9-6-67	1					
Soquel Creek at Soquel (76)	D03100.00	12-1-66	40					
		1-17-67	1					
		5-2-67	5		0.0	0.00	0.10	
Pajaro River at Chittenden (77)	D11250.00	11-30-66	2					
		1-12-67	5					
		3-9-67	10					
		5-18-67	50		0.0	0.01	0.18	
		7-18-67	50					
		9-6-67	25					
Uvas Creek near Morgan Hill (96)	D11371.50	11-18-66	1					
		1-17-67	4					
		5-2-67	5		0.0	0.00	0.02	
San Benito River near Bear Valley Fire Station (77a)	D12450.00	11-25-66	1					
		1-10-67	15					
		5-16-67	25		0.0	0.00	0.02	
Salinas River near Spreckels (43)	D21220.00	11-30-66	5					
		1-12-67	25					
		3-9-67	35					
		5-18-67	35		0.0	0.00	0.40	
		7-18-67	30					
		9-6-67	45					
Salinas River near Bradley (43c)	D21850.00	1-11-67	4					
		5-17-67	25		0.0	0.00	0.38	
Salinas River at Paso Robles (43a)	D31450.00	1-10-67	4					
		5-16-67	10		0.0	0.00	0.26	
San Antonio River near Playto (43d)	D32200.00	11-25-66	1					
		1-11-67	1					
Nacimiento River near San Miguel (43b)	D33520.00	11-26-66	1					
		1-11-67	10					
		5-17-67	10		0.0	0.00	0.10	
Carmel River at Robles del Rio (83)	D41200.00	1-11-67	1					
		5-17-67	1		0.0	0.00	0.02	
Napa River at Dutton Landing (72a)	E31100.50	11-16-66	20					
		1-27-67	110					
		3-30-67	50					
		5-24-67	40					
Napa River near St. Helena (72)	E31500.00	11-1-66	1					
		1-4-67	1					
		5-10-67	5		0.0	0.00	0.41	
Alameda Creek near Niles (73)	E51150.00	10-27-66	4		0.0			
		11-16-66	10		0.0			
		12-20-66	5					
		1-26-67	360					
		2-20-67	5					
		3-29-67	20					
		4-25-67	105					
		5-9-67	5		0.0	0.00	2.2	
		6-14-67	5					
		7-5-67	10					
		8-17-67	15					
		9-7-67	15					
Arroyo del Valle near Livermore (71)	E51400.00	12-1-66	5					
		1-13-67	4					
		5-9-67	900		0.0	0.00	0.09	
Coyote Creek near Madrone (82)	E64250.00	1-17-67	45					
		5-2-67	30		0.0	0.01	0.07	
Los Gatos Creek at Los Gatos (74)	E65250.00	12-1-66	60					
		1-17-67	25					
		5-2-67	40		0.0	0.00	0.10	

TABLE D-3

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	11-4-66	1					
		1-6-67	1					
Big River near Mouth (8c)	F82720.00	11-3-66	1					
		1-5-67	1					
Noyo River near Fort Bragg (10c)	F83080.50	11-3-66	1					
		1-6-67	4					
Russian River at Guerneville (10)	F91080.50	11-30-66	25					
		1-20-67	105					
		3-30-67	35					
		5-31-67	5		0.0	0.00	0.26	
		7-5-67	30					
		9-7-67	5					
Russian River near Healdsburg (9)	F91500.00	11-4-66	3					
		1-20-67	90					
		5-11-67	10		0.0	0.00	0.09	
Russian River near Hopland (8a)	F91765.00	11-2-66	4					
		1-5-67	4					
		5-11-67	10		0.0	0.00	0.14	
Russian River, East Fork, at Potter Valley Powerhouse (10m)	F94900.00	11-2-66	3					
		1-5-67	50					
		5-10-67	25		0.0	0.00	0.08	

TABLE D-4

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-5

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

Chlorides In Milligrams Per Liter

STATION	October 1966							
	10-2-66	10-6-66	10-10-66	10-14-66	10-18-66	10-22-66	10-26-66	10-30-66
Crockett	13900	11500	11000e	11400	11600	10800	12600	13[illegible]
Martinez	9090a	8780a		6660a	11000	8600ae	8700	887[illegible]
Port Chicago	7260	5480	5500ed	5240	6700	6010	7190	6[illegible]
Middle Point	6160							
Pittsburg	952		670a	611	1070abd	630	2120	918
Collinsville	933a	724a	805a	831	672a	774	1440	84[illegible]

STATION	November 1966							
	11-2-66	11-6-66	11-10-66	11-14-66	11-18-66	11-22-66	11-26-66	11-30-66
Crockett	11600	11600	11800	12100	7630	8070		
Martinez	8130a	7610	7040a		6110	3530d		
Port Chicago	7840	5000	4780	7450	3120		2190	
Middle Point	6420		5490				1410	126
Pittsburg	1350bd	808a		586		171		36
Collinsville	836a	823a	681	1220	230a	39	24	21

STATION	December 1966							
	12-2-66	12-6-66	12-10-66	12-14-66	12-18-66	12-22-66	12-26-66	12-30-66
Crockett	6920	3800	1880	2230	4310	6870	7070	618[illegible]
Martinez	2850a	2670d	2310bd			6090	3580	386[illegible]
Port Chicago	3050	53		34		2350		132[illegible]
Middle Point		31ae			23		844	127
Pittsburg	37	20	32	24	35		40	37
Collinsville	14a	8	12	10a	12	11	16	1[illegible]

STATION	January 1967							
	1-2-67	1-6-67	1-10-67	1-14-67	1-18-67	1-22-67	1-26-67	1-[illegible]-6[illegible]
Crockett	5020	[illegible]520	7380	683[illegible]	665[illegible]	[illegible]		[illegible]
Martinez	4450	6350	3520a	43[illegible]a	68[illegible]	49[illegible]a	[illegible]5a	[illegible]
Port Chicago	511	1990		164[illegible]	256[illegible]	495[illegible]	69	[illegible]2a
Middle Point	106	797	142			3[illegible]6	[illegible]1	[illegible]
Pittsburg		3[illegible]bd	51	57bd	38[illegible]		[illegible]	44
Collinsville	21	1[illegible]	[illegible]	8a	[illegible]	[illegible]	[illegible]	1[illegible]

* 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.

TABLE D-5

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS*

Chlorides In Milligrams Per Liter

STATION	February 1967							
	2-2-67	2-6-67	2-10-67	2-14-67	2-18-67	2-22-67	2-26-67	
Crockett	174	1490	2590		4150	6470	4810	
Martinez	29		37a	1160	2130		1490a	
Port Chicago	26	18		30	352	1760	300	
Middle Point	28				28ae	1270	98	
Pittsburg	21	31			38		36	
Collinsville	6	7d	10a	21	15	14	17	

STATION	March 1967							
	3-2-67	3-6-67	3-10-67	3-14-67	3-18-67	3-22-67	3-26-67	3-30-67
Crockett	5270	6180	7100	5650	2950	2920	2210	2470
Martinez	2070	3080a	5370		350	676		
Port Chicago	1120	990	2630	660	41		37	30
Middle Point	51a			118	29		32	23acd
Pittsburg	32bd		36bd	36a	35	26	38a	26
Collinsville	13	18	24	20	18	11	9a	12

STATION	April 1967							
	4-2-67	4-6-67	4-10-67	4-14-67	4-18-67	4-22-67	4-26-67	4-30-67
Crockett	2800	4280	2900	1340	3000	3380	1770	642
Martinez	32ae	2210	915a		1780ae	1100a	343ad	
Port Chicago	27	73	26	28		29	39	
Middle Point	23ae	27	18a		21	27	20a	19
Pittsburg	25		25abd			26a	25a	20
Collinsville	16	12	8a	14	10	12a	12	8

STATION	May 1967							
	5-2-67	5-6-67	5-10-67	5-14-67	5-18-67	5-22-67	5-26-67	5-30-67
Crockett	1270	3370	3040	1780	1400a	4000	3130	2030e
Martinez			154a	228	340a	2800	84a	954e
Port Chicago	26		30	18	100	28	22	16e
Middle Point	17d		15	15		12a	13	12e
Pittsburg	22a	19		19		17a		
Collinsville		10	9a	11	9a	8a	8	

* 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.

TABLE D-5

SALINITY OBSERVATIONS AT BAY AND DELTA STATIONS[a]

Chlorides In Milligrams Per Liter

STATION	June 1967							
	6-2-67	6-6-67	6-10-67	6-14-67	6-18-67	6-22-67	6-26-67	6-30-67
Crockett	3060	2850						
Martinez	850a	280a	1020	719abd	70a	373a	1060a	335a
Port Chicago	526	16	17	18		310	17	114[illegible]c
Middle Point				12	15		14	
Pittsburg	16a	16a	15a		13a	14abd	13bd	18a
Collinsville	9a	10a	10	11a	8a	18a	8	8a

STATION	July 1967							
	7-2-67	7-6-67	7-10-67	7-14-67	7-18-67	7-22-67	7-26-67	7-30-67
Crockett							6750	7800c
Martinez	342a	3440	2570	1220a	54[illegible]	6130	4760ad	4060c
Port Chicago	694	337	40a	763e	42[illegible]a	2340	1730	3340c
Middle Point		27	57		28[illegible]			
Pittsburg	16ad				21abd	28a	35abd	106a
Collinsville	9a	7a	12	10a	13a	22d	22a	17a

STATION	August 1967							
	8-2-67	8-6-67	8-10-67	8-14-67	8-18-67	8-22-67	8-26-67	8-30-67
Crockett		10800	10530	9520e	9690ed	1000[illegible]		
Martinez	7200	7170	5780a	7650e	7320	7930	3780a	6400e
Port Chicago	5160	6810	3380	4970e		3260ed	2920	3820e
Middle Point	1570			4360e	4970	4120	4360	2980a
Pittsburg	200a	270a				386a	317a	211a
Collinsville	183a				228a	465a	228a	158a

STATION	September 1967							
	9-2-67	9-6-67	9-10-67	9-14-67	9-18-67	9-22-67	9-26-67	9-30-67
Crockett		10400	9410	9100e	9020		[illegible]730	885[illegible]
Martinez	6550a	6600	4920a	6780	4870a	[illegible]580		[illegible]95
Port Chicago	3480	2910	4570	3260	2350		2270	[illegible]18
Middle Point	48[illegible]	1860	[illegible]	218[illegible]	[illegible]	[illegible]	1160	
Pittsburg	[illegible]248	23[illegible]	[illegible]19a	132abd	[illegible]a	[illegible]	[illegible]	6[illegible]
Collinsville	[illegible]165a	246a	49a	28a	26a	[illegible]d	[illegible]	24[illegible]

* Samples taken at four-day intervals approximately [illegible] after high tide.
a Taken after low high tide.
b Taken on following day.
c Taken two days later.
[illegible] large [illegible] tide.
[illegible] premature [illegible].

TABLE D-6

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 (mg/l)	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 JOAQUIN RIVER AT ANTIOCH	B95010.01	10-20-66 1100		68	8.0	87	2570	7.6	0.7		84	BOD = 1.0; COD = 23 Phenols = 0.004		0.00	0.02	0.4	0.6	0.42	0.54	0.58
		11-16-66 0940		62	9.3	95	1370	7.5	0.4	45	52	COD = 15 Phenols = 0.000		0.14		0.2	0.5		0.30	
		12-14-66 1245		54	9.0	83	253	7.3	1.0		37	BOD = 1.2; COD = 12 Phenols = 0.001		0.12	0.01	0.8	1.1	0.24	0.39	0.40
		1-26-67 1135		46	11.4	95	321	7.3	0.4		110	BOD = 2.6; COD = 19 Phenols = 0.005		0.15	0.01	1.2	0.8	0.41	0.56	0.72
		2-23-67 1018		45	12.5	103	372	6.8	0.7		45	BOD = 2.0; COD = 12 Phenols = 0.003		0.04	0.01	1.0	0.8	0.27	0.44	0.44
		3-30-67 1420		45	13.5	112	308	7.0	1.0		60	BOD = 1.4; COD = 10 Phenols = 0.000		0.05		0.5	0.3	0.25	0.30	0.39
		4-26-67 1405		56	9.7	92	228	6.8	1.9		42	BOD = 1.4; COD = 7 Phenols = 0.000		0.16		0.3	0.7	0.23	0.28	0.42
		5-24-67 1245		70	7.4	82	156	8.0	1.3		90	BOD = 1.0; COD = 5 Phenols = 0.001		0.01		0.1	0.4	0.21	0.29	0.38
		6-21-67 1200		67	8.7	94	142	7.6	1.1		72	BOD = 1.4; COD = 5 Phenols = 0.000		0.01		0.0	0.4	0.20	0.26	0.42
		8-21-67 1220		74	7.8	90	443	7.6	1.6		26			0.05	0.00	0.1	0.4	0.09	0.23	0.35

* Lab Turbidity is given in parts per million of silica

TABLE D-6
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 (mg/l)	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	11-15-66 1100	36	59	10.8	108	—/619	7.9/8.1		—/80	131			0.01	0.00	0.2	1.3	1.2	1.3	1.6
		1-18-67 1120	36	46	10.9	92	—/399	8.0/8.4		—/2	7			0.02	0.00	0.3	0.5	0.36	0.38	0.49
		5-3-67 0800	2d8	50	10.6	95	—/322	7.7/8.2		—/4	11			0.00	0.00	0.1	0.3	0.28	0.29	0.30
		7-18-67 0900	39	60	9.7	98	—/368	7.7/8.3		—/2	5			0.00	0.00	0.1	0.2	0.38	0.39	0.40
		9-6-67 1015	28	63	9.7	101	—/361	7.8/8.0		—/1				0.11	0.01	0.4	0.3	0.48	0.55	0.59
MONTEREY BAY AT SANTA CRUZ (120)	DOPR61.52	11-15-66 0715		59			—/51100	8.2	2.5		193			0.00	0.02	0.2	0.4	0.92	1.1	1.1
		1-18-67 0830		48	10.6	114	—/51200	8.2/8.1	1.5	—/4	5			0.20	0.01	0.2	0.2	0.12	0.12	0.19
		3-14-67 0800		49	10.1	107	—/44600	8.1	2.1		25			0.00	0.00	0.2	0.0	0.13	0.18	0.29
		5-3-67 0605		54	8.9	105	—/50800	8.5	9.1		2			0.08	0.00	0.1	0.6	0.05	0.07	0.10
PAJARO RIVER AT CHITTENDEN (77)	D11250.00	11-30-66 1010	1.8	58	9.2	91	—/1450	7.8/8.5		—/2	11			0.20	0.01	0.1	0.8	0.40	0.66	0.68
		1-12-67 0810	1.6	49	10.0	88	—/1440	7.9/8.3		—/5	23			0.00	0.02	3.1	0.5	0.08	0.22	0.28
		3-9-67 1015	78	50	9.9	88	—/1040	7.8/8.4		—/10	14			0.25	0.03	3.6	0.9	0.08	0.13	0.22
		5-18-67 1020	150	64	7.8	82	—/778	8.0/7.8		—/50	74			0.00	0.06	2.4	0.9	0.21	0.32	0.42
		7-18-67 0715	19	65	7.1	75	—/1410	8.1/8.5		—/50	57			0.15	0.09	6.2	0.5	0.37	0.48	0.65
		9-6-67 0730	5.0	66	6.8	73	—/1390	8.2/8.3		—/25				0.15	0.07	1.9	1.1	0.27	0.33	0.46
SALINAS RIVER NEAR SPRECKELS (43)	D21220.00	11-30-66 0810	1.5	60	2.9	29	—/1250	7.4/7.9		—/5	66			11	1.5	9.8	1.1	48	56	56
		1-12-67 0658	160	48	4.5	39	—/948	7.5/8.5		—/25	45			0.52	0.03	1.4	0.5	1.9	2.3	2 3
		3-9-67 0830	305	47	5.0	42	—/884	7.2/8.5		—/35	52			0.03	0.00	1.1	0.4	0.47	0.53	0.58

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

TABLE D-6

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 (mg/l)	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) (CONT.)	D21220.00	5-18-67 0730	455	67	8.5	92	—/776	8.3/8.3		—/35	82			0.01	0.01	0.6	0.5	0.47	0.73	0.78
		7-18-67 0515	82	65	7.8	82	—/739	8.0/8.3		—/30	58			0.35	0.05	0.3	0.4	0.39	0.59	0.82
		9-6-67 0530	285	68	8.5	93	—/356	8.0/7.8		—/45				0.24	0.00	0.2	0.6	0.43	0.45	0.82
SAN FRANCISCO BAY AT SAN MATEO BRIDGE	EOEG85.33	10-19-66 1040		60	6.9	84	—/50100	8.0	2.4		16	BOD = 0.4; COD = 27 Phenols = 0.002		0.00	0.05	0.8	0.0	1.8	1.8	1.8
		11-17-66 1030		59	7.4	89	—/49100	8.2	1.8	—/20	24	COD = 24 Phenols = 0.000		0.05		0.6	0.6		1.1	
		12-16-66 1030		50	7.6	78	—/40800	8.1	1.7		39	BOD = 0.6; COD = 20 Phenols = 0.003		0.15	0.04	0.6	0.3	0.70	1.0	1.0
		1-27-67 1005		50	9.2	94	—/38200	8.2	0.8		98	BOD = 1.0; COD = 23 Phenols = 0.001		0.18	0.03	0.7	0.7	0.69	0.72	1.1
		2-24-67 1015		47	13.0	124	—/30000	8.0	1.0		134	BOD = 1.4; COD = 29 Phenols = 0.000		0.01	0.02	0.5	0.6	0.47	0.63	0.81
		3-29-67 1230		48	10.2	100	—/34600	7.2	0.9		202	BOD = 1.5; COD = 29 Phenols = 0.000		0.02		0.7	0.5	0.79	0.89	1.4
		4-27-67 1235		56	9.7	103	—/30000	8.2	1.0		105	BOD = 1.8; COD = 27 Phenols = 0.001		0.00		0.5	0.7	0.58	0.80	1.0
		5-26-67 0600		62	7.7	88	—/29700	8.2	1.0		132	BOD = 1.1; COD = 31 Phenols = 0.000		0.05		0.4	0.7	0.71	1.0	1.3
		6-22-67 1110		65	8.4	100	—/35400		1.1		64	BOD = 1.0; COD = 15 Phenols = 0.001		0.00		0.3	0.5	0.55	0.55	0.57
		8-22-67 0815		68	7.2	90	—/41100	8.2	2.2		6.8			0.02	0.01	0.4	0.4	0.84	1.2	1.4
SAN FRANCISCO BAY AT TREASURE ISLAND	EOGH59.55	10-19-66 0745		58	7.4	89	—/49300	7.2	2.8		11	BOD = 0.6; COD = 20 Phenols = 0.002		0.00	0.02	0.4	0.2	0.27	0.40	0.44
		11-17-66 0710		58	9.3	110	—/47200	7.2	3.0	—/15	9	COD = 24 Phenols = 0.001		0.04		0.4	0.1		0.31	
		12-15-66 0750		53	8.5	89	—/33400	8.4	1.8		24	BOD = 0.6; COD = 27 Phenols = 0.002		0.04	0.02	0.4	0.5	0.34	0.40	0.42
		1-27-67 0600		49	9.6	96	—/33400		0.6		52	BOD = 1.1; COD = 29 Phenols = 0.000		0.12	0.01	0.5	0.8	2.2	2.5	3.1
		2-24-67 0602		52	8.0	85	—/39800		0.8		38	BOD = 1.0; COD = 22 Phenols = 0.001		0.04	0.01	0.6	0.2	0.24	0.31	0.44

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

TABLE D-6

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 (mg/l)	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 FRANCISCO BAY AT TREASURE ISLAND (CONT.)	EOGH59.55	3-29-67 0820		47			36700	8.2	1.1		37	BOD = 0.7; COD = 24 Phenols = 0.000		0.11		0.4	0.1	0.20	0.30	0.30
		4-27-67 0720		53	8.8	92	32600	8.2	1.0		62	BOD = 1.1; COD = 32 Phenols = 0.000		0.00		0.2	0.6	0.24	0.32	0.44
		5-26-67 0800		61	7.6	87	37000	8.0	1.1		60	BOD = 1.0; COD = 22 Phenols = 0.000		0.01		0.3	0.6	0.31	0.47	0.60
		6-22-67 0645		57	7.1	79	38600	8.0	1.2		42	BOD = 0.8; COD = 18 Phenols = 0.000		0.00		0.4	0.7	0.30	0.35	0.92
		8-21-67 0650		62	6.6	79	46800	8.1	4.0		19			0.06	0.01	0.2	0.2	0.25	0.34	0.40
SAN FRANCISCO BAY AT FORT POINT	EOGJ47.72	10-19-66 0842		58	7.8	93	49600	8.0	3.2		8	BOD = 0.4; COD = 19 Phenols = 0.002		0.00	0.02	0.6	0.4	0.27	0.30	0.40
		11-17-66 0830		57	8.0	94	49000	8.2	2.5	6	8	COD = 20 Phenols = 0.001		0.10		0.3	0.3		0.23	
		12-15-66 0915		53	8.9	94	37900	8.3	3.8		8	BOD = 0.5; COD = 27 Phenols = 0.000		0.16	0.02	0.4	0.7	0.35	0.37	0.43
		1-27-67 0720		50	9.2	95	39100	7.4	1.7		14	BOD = 0.7; COD = 19 Phenols = 0.001		0.06	0.01	0.5	0.7	0.24	0.35	0.42
		2-23-67 0558		46	9.3	93	43800	8.1	2.2		12	BOD = 0.8; COD = 18 Phenols = 0.002		0.17	0.02	0.4	0.7	0.20	0.35	0.70
		3-29-67 1000		46			37000	7.2	1.8		34	BOD = 0.5; COD = 25 Phenols = 0.000		0.03		0.3	0.3	0.45	0.46	0.52
		4-27-67 0900		53	8.9	94	37300	8.2	1.1		46	BOD = 0.8; COD = 26 Phenols = 0.000		0.00		0.2	0.4	0.20	0.29	0.40
		5-26-67 0930		58	7.3	81	36700	8.2	1.8		27	BOD = 0.6; COD = 21 Phenols = 0.000		0.05		0.3	0.4	0.22	0.31	0.39
		6-22-67 0830		61	7.5	87	38200		1.4		28	BOD = 0.4; COD = 11 Phenols = 0.001		0.00		0.4	0.3	0.29	0.32	0.49
		8-21-67 0820		60	6.6	78	47800	8.1	5.0		21			0.01	0.01	0.2	0.3	0.21	0.31	0.35
SAN PABLO BAY AT POINT SAN PABLO	EOHJ74.01	10-20-66 0750		59	7.2	85	46100		3.6		9	BOD = 0.6; COD = 22 Phenols = 0.001		0.00	0.02	0.7	0.3	0.32	0.33	0.40
		11-17-66 1200		60	7.6	89	40400	8.0	2.5	6		COD = 42 Phenols = 0.000		0.17		0.4	0.0		0.30	
		12-14-66 0930		52	9.1	88	18100	7.9	1.9		16	BOD = 0.5; COD = 20 Phenols = 0.000		0.30	0.02	0.5	0.7	0.27	0.32	0.34

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

TABLE D-6

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	Specific Conductance (micromhos at 25°C) Lab	pH Fld	pH Lab	Secchi Disk (Feet)	* Turbidity Field	* Turbidity Lab	Suspend'd Solids (mg/l)	Other Constituents and Remarks (mg/l)	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 PABLO BAY AT POINT SAN PABLO (CONT.)	EOHJ74.01	1-26-67 0815		48	9.3	87		21800		7.8	0.8			83	BOD = 1.4; COD = 28 Phenols = 0.003		0.53	0.02	0.7	0.8	0.42	0.43	0.60
		2-24-67 0830		46	8.5	80		29700			1.2			57	BOD = 1.1; COD = 20 Phenols = 0.001		0.34	0.01	0.5	0.9	0.26	0.33	0.49
		3-30-67 0945		45	10.1	87		12200		7.2	1.1			119	BOD = 1.1; COD = 22 Phenols = 0.000		0.14		0.4	1.1	0.29	0.44	0.60
		4-26-67 0900		53	9.6	91		10500			0.6			196	BOD = 1.1; COD = 25 Phenols = 0.000		0.16		0.3	0.5	0.27	0.35	0.68
		5-24-67 0730		63	7.9	85		15100		7.7	0.9			190	BOD = 1.0; COD = 27 Phenols = 0.000		0.12		0.4	0.7	0.43	0.47	0.86
		6-21-67 0830		61	7.7	82		17000			0.6			163	BOD = 1.3; COD = 20 Phenols = 0.000		0.02		0.2	0.7	0.30	0.48	1.5
		8-22-67 0940		66	7.6	91		35100		8.0	2.2			54			0.07	0.03	0.3	0.5	0.23	0.34	0.34
SUISUN BAY AT ARMY POINT	EOJG30.19	10-20-66 0920		64	8.0	91		23200			0.8			37	BOD = 1.2; COD = 23 Phenols = 0.000		0.00	0.01	0.6	0.5	0.31	0.42	0.49
		11-16-66 1140		63	8.1	89		18000		7.0	0.3		45	56	COD = 31 Phenols = 0.000		0.16		0.4	0.6		0.26	
		12-15-66 1148		50	9.7	86		368		7.3	0.6			120	BOD = 1.0; COD = 19 Phenols = 0.000		0.28	0.00	0.5	0.7	0.32	0.44	0.55
		1-26-67 1015		48	11.0	95		558		7.3	0.3			300	BOD = 2.2; COD = 29 Phenols = 0.002		0.13	0.00	0.8	1.2	0.53	1.0	1.2
		2-23-67 0830		45	12.2	102		3740		8.0	0.7			69	BOD = 0.9; COD = 19 Phenols = 0.002		0.10	0.01	0.5	0.9	0.24	0.31	0.38
		3-30-67 1225		47				467		7.2	0.8			366	BOD = 1.6; COD = 15 Phenols = 0.000		0.10		0.5	1.2	0.78	0.94	1.0
		4-26-67 1100		56	10.1	96		424		7.5	0.4			308	BOD = 1.6; COD = 35 Phenols = 0.000		0.04		0.4	0.6	0.51	0.66	1.2
		5-24-67 1015		67	8.1	87		344		7.7	0.5			560	BOD = 1.6; COD = 33 Phenols = 0.000		0.26		0.5	1.1	0.67	0.68	1.8
		6-21-67 0935		66	8.2	88		358			0.3			730	BOD = 2.3; COD = 5 Phenols = 0.000		0.03		0.2	5.8	1.0	0.69	3.0
		8-21-67 1040		68	7.5	85		13000		7.8	0.3			439			0.10	0.02	0.2	1.3	0.21	1.0	1.5

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

TABLE D-6

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 (mg/l)	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 Phosphate (PO_4)
NAPA RIVER AT DUTTON LANDING (72a)	E31100.50	11-16-66 0750		59	6.5	70	— / 27200	7.5 / 7.6	1.6	— / 20	28	BOD = 1.0		0.12	0.09	0.6	0.4	0.21	0.36	0.50
		1-27-67 0850		49	8.8	77	— / 407	7.8 / 7.7	0.5	— / 110	150			0.21	0.00	1.4	0.8	0.46	0.61	0.78
		3-30-67 1050		55	8.1	76	— / 1010	7.2 / 8.1	1.0	— / 50	98	BOD = 2.1		0.44	0.02	1.2	0.3	0.87	1.0	1.4
		5-24-67 0700		71	5.8	66	— / 4430	7.5 / 7.8	0.7	— / 40	112	BOD = 2.4		0.30	0.03	0.5	1.0	0.69	0.98	1.2
		8-22-67 0925		72	5.8	69	— / 17200	7.6	1.3		36			0.09	0.02	0.1	0.9	0.35	0.51	0.66
ALAMEDA CREEK NEAR NILES (73)	E51150.00	11-16-66 1245	29	60	9.7	97	— / 828	7.9 / 8.5		— / 10	20			0.03	0.01	0.8	0.0	1.5	1.5	1.6
		1-26-67 0700	655	52	8.1	73	— / 304	7.6 / 8.1		— / 360	616			0.21	0.00	1.1	1.0	1.0	1.5	1.8
		3-29-67 1235	100	53	11.0	101	— / 533	8.3 / 8.3		— / 20	25			0.22	0.02	0.9	0.3	1.8	1.8	4.8
		5-9-67 0910	87	64	9.1	95	— / 838	8.7 / 8.0		— / 5	22	BOD = 2.1		0.08		1.1	0.6	2.1	2.3	2.4
		7-5-67 1153	8.4	77	8.9	106	— / 1120	8.3 / 8.6		— / 10				0.04	0.04	1.1	0.1	4.4	6.3	16.0
		9-7-67 1015	23	70	8.6	96	— / 652	8.1 / 8.1		— / 15				0.03	0.01	1.6	0.6	2.1	2.2	2.2
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	11-30-66 0815	1320	56	9.6	91	— / 250	7.6 / 8.4		— / 25	62			0.21	0.02	0.9	0.6	0.50	0.65	0.65
		1-20-67 0755	2890	54	10.2	95	— / 185	7.8 / 8.2		— / 105	124			0.01	0.06	0.3	0.4	0.33	0.48	0.56
		3-30-67 0715	2470	52	10.4	94	— / 237	7.3 / 8.3		— / 35	54			0.02	0.01	0.5	0.2	0.30	0.35	0.42
		5-31-67 0840	550	66	9.1	97	— / 310	7.9 / 7.9		— / 5	12			0.04	0.01	0.5	0.2	0.04	0.38	0.53
		7-5-67 0750	268	75	7.2	84	— / 313	7.9 / 8.3		— / 30				0.03	0.01	0.4	0.2	0.37	0.40	1.3
		9-7-67 0645	223	74	8.3	96	— / 253	8.1 / 8.1		— / 5				0.09	0.00	0.1	0.2	0.14	0.23	0.30

*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

ppDDD - Para para isomer of dichloro diphenyl dichloroethane

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-7

PESTICIDES IN SURFACE WATERS AND SEDIMENTS

CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled PST	Discharge in cfs	Specific conductance (in crommos at 25°C)	pH Field Lab	Pesticides in Water parts per trillion	Pesticides in Sediment parts per billion of dry weight
SAN JOAQUIN RIVER BY ANTIOCH	B95010.4	10-20-66 1100		2570	7.6	BHC like = 5	BHC like = 22 Complex chlorinated compounds as DDT = 93
		11-16-66 0940		1370	7.5	BHC like = 5	BHC like = 18 Complex chlorinated compounds as DDT = 116
		12-14-66 1245		253	7.3	No chlorinated pesticides detected	BHC like = 25 Complex chlorinated compounds as DDT = 150
		1-26-67 1135		321	7.3	BHC like = 26 Unknown as DDT = 4	BHC like = 42 Dieldrin/ppDDE = 8.5 ppDDD = 11
		2-23-67 1018		372	6.8	Complex chlorinated compounds as DDT = 22	Complex chlorinated compounds as DDT = 210
		3-30-67 1420		308	7.0	BHC like = 12 Chlordane like = 12	Chlordane = 53000
		4-26-67 1405		228	6.8	Unknown as DDT = 66	BHC like = 13 Complex chlorinated compounds as DDT = 100
		5-24-67 1245		156	8.0	Unknown as DDT = 6	BHC = 28 Complex chlorinated compounds as DDT = 110
		6-21-67 1200		142	7.6	Unknown as DDT = 18 Unknown as DDT = 14 Dacthal like = 17 ppDDD = 7	BHC like = 82 ppDDT = 12 Complex chlorinated compounds as DDT = 296
		8-21-67 1220		443	7.6	Complex chlorinated compounds as DDT = 126	

TABLE D-7

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	11-15-66 1100	36	346	7.9 / 8.1	BHC like = 15	Complex chlorinated compounds as DDT = 24
		1-18-67 1120	36	387	8.0 / 8.4	No chlorinated pesticides detected	No chlorinated pesticides detected
		5-3-67 0800	288	315	7.7 / 8.2	No chlorinated pesticides detected	No chlorinated pesticides detected
MONTEREY BAY AT SANTA CRUZ (120)	DOPR61.52	11-15-66 0715			8.2	No chlorinated pesticides detected	
		1-18-67 0830		50300	8.2 / 8.1	No chlorinated pesticides detected	
		3-14-67 0800			8.1	Unknown as DDT = 3	
		5-3-67 0605			8.5	No chlorinated pesticides detected	
PAJARO RIVER AT CHITTENDEN (77)	D11250.00	11-30-66 1010	1.8	1330	7.8 / 8.5	Simazine/Atrazine = 10	Toxaphene like = 12
		1-12-67 0810	1.6	1490	7.9 / 8.3	Complex chlorinated compounds as DDT = 24	No chlorinated pesticides detected
		3-9-67 1015	78	994	7.8 / 8.4	Complex chlorinated compounds as DDT = 54	ppDDE/Dieldrin = 1.0 ppDDD = 1.4 ppDDT = 1.3
		5-18-67 1020	150	743	8.0 / 7.8	Toxaphene like = 16 ppDDT = 6	Unknown as DDT = 7.0
SALINAS RIVER NEAR SPRECKELS (43)	D21220.00	11-30-66 0810	1.5	1140	7.4 / 7.9	Dieldrin = 135 ppDDT = 145 Complex chlorinated compounds as DDT = 2350	Dieldrin = 1.7 ppDDD = 3.7 ppDDT = 2.8 Complex chlorinated compounds as DDT = 22
		1-12-67 0658	160	917	7.5 / 8.5	Dieldrin = 5 ppDDT = 10	Dieldrin = 1.0 ppDDD = 2.0 ppDDT = 1.0 ppDDE = 1.0
		3-9-67 0830	305	838	7.2 / 8.5	No chlorinated pesticides detected	ppDDE/Dieldrin = 7.5 ppDDD = 8.0 ppDDT = 4.7 Complex chlorinated compounds ad DDT = 53
		5-18-67 0730	455	740	8.3 / 8.3	No chlorinated pesticides detected	No chlorinated pesticides detected
SAN FRANCISCO BAY AT SAN MATEO BRIDGE	BOEG35.33	10-19-66 1040		50100	8.0	BHC like = 5	Toxaphene = 21
		11-17-66 1030		49100	8.2	No chlorinated pesticides detected	Toxaphene like = 22
		12-16-66 1030		40800	8.1	Unknown as DDT = 9	Complex chlorinated compounds as DDT = 8.0
		1-27-67 1005		38200	8.2	BHC like = 4	Complex chlorinated compounds as DDT = 64
		2-24-67 1015		30000	8.0	BHC like = 7	Complex chlorinated compounds as DDT = 150
		3-29-67 1230		34600	7.2	BHC like = 18 Heptachlor like = 8 Dieldrin = 3 ppDDD = 3	Complex chlorinated compounds as DDT = 75

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

TABLE D-7

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 FRANCISCO BAY AT SAN MATEO BRIDGE (CONT.)	EOEG85.33	4-27-67 1235		30000	8.2	Unknown as DDT = 16	BHC like = 1.0 Complex chlorinated compounds as DDT = 16
		5-26-67 0600		29700	8.2	Complex chlorinated compounds as DDT = 86	Complex chlorinated compounds as DDT = 35
		6-22-67 1110		35400	6.8	BHC = 10	Complex chlorinated compounds as DDT = 165
SAN FRANCISCO BAY AT COYOTE POINT	EOEH75.27	12-14-66 2000				No chlorinated pesticides detected	No chlorinated pesticides detected
		1-25-67 1545				BHC like = 4	Complex chlorinated compounds as DDT = 7.2
		2-22-67 1400				BHC like = 12	
		3-29-67 0800				BHC like = 26 Heptachlor like = 7 Dieldrin = 3	No chlorinated pesticides detected
		4-27-67 0800				BHC = 8 Unknown as DDT = 12	No chlorinated pesticides detected
		5-25-67 1145				No chlorinated pesticides detected	No chlorinated pesticides detected
		6-22-67 0730				No chlorinated pesticides detected	Complex chlorinated compounds as DDT = 61
SAN FRANCISCO BAY AT TREASURE ISLAND	EOGH59.55	10-19-66 0745		49300	7.2	BHC like = 5	
		11-17-66 0715		47200	7.2	No chlorinated pesticides detected	
		12-15-66 0750		33400	8.4	BHC like = 3	
		1-27-67 0600		33400	6.8	BHC = 4	
		2-24-67 0602		39800	6.8	BHC like = 3	
		3-29-67 0820		36700	8.2	BHC like = 4 Complex chlorinated compounds as DDT = 49	
		4-27-67 0720		32600	8.2	No chlorinated pesticides detected	
		5-26-67 0800		37000	8.0	Unknown as DDT = 3	
		6-22-67 0645		38600	8.0	Unknown as DDT = 10	
SAN FRANCISCO BAY AT FORT POINT	EOGJ47.72	10-19-66 0842		49600	8.0	No chlorinated pesticides detected	
		11-17-66 0830		49000	8.2	No chlorinated pesticides detected	
		12-15-66 0915		37900	8.3	No chlorinated pesticides detected	
		1-27-67 0720		39100	7.4	BHC like = 4	
		2-23-67 0558		43300	8.1	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.

TABLE D-7

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 FRANCISCO BAY AT FORT POINT (CONT.)	EOGJ47.72	3-29-67 1000		37000	7.2	BHC like = 5 Complex chlorinated compounds as DDT = 40	
		4-27-67 0900		37300	8.2	No chlorinated pesticides detected	
		5-26-67 0930		36700	8.2	Unknown as DDT = 3	
		6-22-67 0830		38200	6.8	No chlorinated pesticides detected	
SAN PABLO BAY AT POINT SAN PABLO	EOHJ74.01	10-20-66 0750		46100	6.8	Unknown as DDT = 4	BHC = 1.0 Toxaphene = 64
		11-17-66 1200		40400	8.0	No chlorinated pesticides detected	BHC like = 1.6 Toxaphene like = 104
		12-14-66 0930		18100	7.9	BHC like = 2 Dieldrin = 3	BHC like = 4.0 ppDDT = 15 Toxaphene like = 150
		1-26-67 0815		21800	7.8	BHC like = 18 Kelthane like = 10	Complex chlorinated compounds as DDT = 137
		2-24-67 0830		29700	6.8	BHC like = 4	Complex chlorinated compounds as DDT = 85
		3-30-67 0945		12200	7.2	BHC like = 7 Complex chlorinated compounds as DDT = 42	Complex chlorinated compounds as DDT = 133
		4-26-67 0900		10500	6.8	BHC = 7 Unknown as DDT = 5	Complex chlorinated compounds as DDT = 45
		5-24-67 0730		15100	7.7	No chlorinated pesticides detected	Complex chlorinated compounds as DDT = 91
		6-21-67 0830		17000	6.8	Unknown as DDT = 19 Unknown as DDT = 9 Unknown as DDT = 7 ppDDD = 4	Complex chlorinated compounds as DDT = 400
SUISUN BAY AT ARMY POINT	EOJG30.19	10-20-66 0920		23200	6.8	Simazine like = 5 Unknown as DDT = 10	BHC = 6.0 Toxaphene = 76
		11-16-66 1140		18000	7.0	No chlorinated pesticides detected	BHC like = 4.0 Toxaphene = 100
		12-15-66 1148		368	7.3	Dieldrin = 3	BHC = 6.4 Complex chlorinated compounds as DDT = 68
		1-26-67 1015		558	7.3	BHC like = 10	BHC = 8.2 ppDDE/Dieldrin = 4.8 ppDDD = 9.6
		2-23-67 0830		3740	8.0	Unknown as DDT = 4	BHC = 5.6 Toxaphene like = 62
		3-30-67 1225		467	7.2	BHC like = 9 Complex chlorinated compounds as DDT = 55	BHC = 8.0 Toxaphene 21
		4-26-67 1100		424	7.5	No chlorinated pesticides detected	BHC like = 3.0 Toxaphene like 19
		5-24-67 1015		344	7.7	2 Unknowns as DDT = 6	Complex chlorinated compounds as DDT = 172

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

TABLE D-7

PESTICIDES IN SURFACE WATER AND SEDIMENT

CENTRAL COASTAL AREA

Station	Station Number	Date and time sampled PST	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)
SUISUN BAY AT ARMY POINT (CONT.)	EDJG30.19	6-21-67 0935		358	6.8	BHC like = 4 Unknown as DDT = 4 Unknown as DDT = 6 ppDDD = 4	Complex chlorinated compounds as DDT = 203
		8-21-67 1040		13000	7.8	BHC = 14 Kelthane = 11 Dieldrin = 6 Unknown as DDT = 7 ppDDT = 5	
NAPA RIVER AT DUTTON LANDING (72a)	E31100.50	11-16-66 0750		27200	7.5 / 7.6	BHC like = 5	Toxaphene like = 87
		1-27-67 0850		407	7.8 / 7.7	BHC = 12	Complex chlorinated compounds as DDT = 250
		3-30-67 1050		1010	7.2 / 8.1	3 Unknowns as DDT = 105	Complex chlorinated compounds as DDT = 30
		5-24-67 0700		4430	7.5 / 7.8	BHC like = 4	Unknown as DDT = 6.0 Complex chlorinated compounds as DDT = 16
ALAMEDA CREEK NEAR NILES (73)	E51150.00	11-16-66 1245	29	828	7.9 / 8.5	BHC like = 15	Toxaphene like = 12
		1-26-67 0700	655	304	7.6 / 8.1	BHC like = 12 ppDDD = 3	ppDDE = 1.7 ppDDD = 2.3 ppDDT = 3.4
		3-29-67 1235	100	533	8.3 / 3.3	BHC like = 8	ppDDE = 1.3 ppDDD = 1.5 ppDDT = 2.3
		5-9-67 0910	87	838	8.7 / 8.0	BHC = 12	ppDDD = 2.0 ppDDT = 1.0
RUSSIAN RIVER AT GUERNEVILLE (10)	F91080.50	11-30-66 0815	1320	250	7.6 / 8.4	Simazine/Atrazine = 10	No chlorinated pesticides detected
		1-20-67 0755	2890	185	7.8 / 8.2	BHC like = 4	No chlorinated pesticides detected
		3-30-67 0715	2470	237	7.3 / 8.3	BHC like = 9	No chlorinated pesticides detected
		5-31-67 0840	550	310	7.9 / 7.9	3 Unknowns as DDT = 13	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.

Appendix E

GROUND WATER QUALITY

INTRODUCTION

Ground Water quality data collected during the period from October 1, 1966, through September 30, 1967, 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 1967 water year, 390 wells were sampled in 18 ground water basins and subbasins.

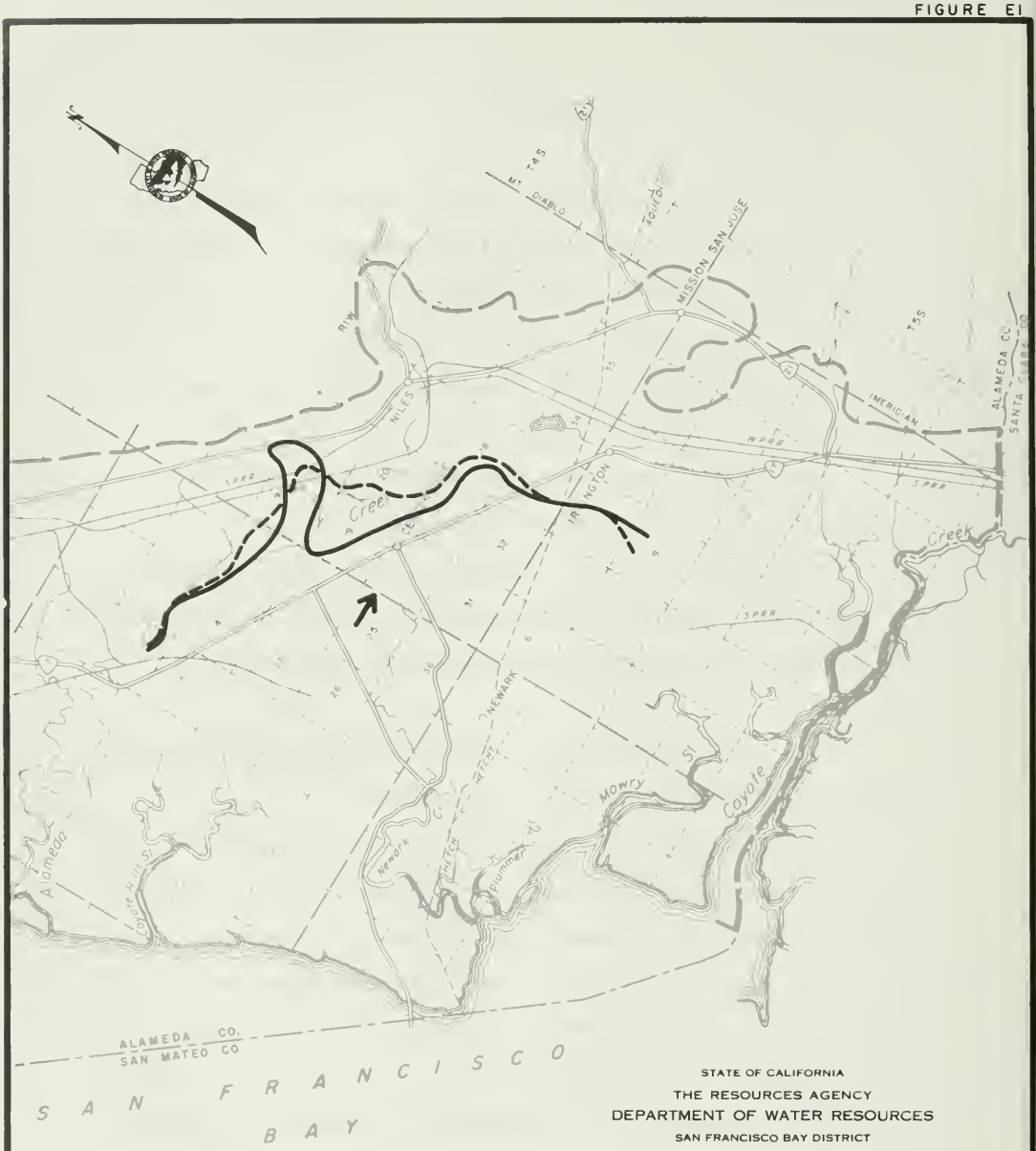
Some temperature measurements and comments on sampling conditions are available in the files of the Department.

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 system 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.

FIGURE E1



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

1967

LEGEND

APPROXIMATE LIMIT OF MONITORED AREA

1967 — LINE OF 350 PARTS PER MILLION
1962 — CHLORIDE CONCENTRATION IN UPPER AQUIFER

DIRECTION OF INTRUSION

SCALE OF MILES
1 0 1 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 / MILLIEQUIVALENTS 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 (1-15.00)																		
15N/12W-21H01 M 08/28/67 1515	5050	--	--	281	--	--	--	--	--	--	--	--	--	--	0.7	--	--	--
16N/12W-05D01 M 08/29/67 0845	5050	--	8.6	381	22 1.10	21 1.73	24 1.04	--	6.0 .20	165 2.71	--	27 .76	--	--	0.0	--	--	142 0
16N/12W-09Q01 M 08/29/67 0955	5050	--	--	430	--	--	--	--	--	--	--	--	--	--	0.1	--	--	--
17N/12W-28M01 M 08/29/67 1330	5050	--	7.6	208	16 .80	10 .82	11 .48	--	0.0	78 1.28	--	6.2 .17	--	--	0.0	--	--	81 17
SANEL VALLEY (1-16.00)																		
12N/11W-02F01 M 08/30/67 1500	5050	--	--	383	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--
13N/11W-07D01 M 08/30/67 1230	5050	--	8.6	284	18 .90	22 1.81	9.4 .41	--	4.0 .13	149 2.44	--	4.2 .12	--	--	0.2	--	--	134 6
13N/11W-14B01 M 08/30/67 0800	5050	--	--	415	--	--	--	--	--	--	--	--	9.7 .16	--	2.8	--	--	--
13N/11W-19N01 M 08/30/67 1015	5050	--	--	300	--	--	--	--	--	--	--	--	--	--	0.3	--	--	--
13N/11W-30H01 M 08/30/67 1145	5050	--	7.6	437	36 1.80	26 2.14	12 .52	--	0.0	189 3.10	--	11 .31	--	--	0.2	--	--	197 42
ALEXANDER VALLEY (1-17.00)																		
09N/08W-07Q01 M 08/31/67 0915	5050	--	8.6	623	2.8 .14	2.2 .18	144 6.26	--	7.0 .23	298 4.89	--	40 1.13	--	--	0.5	--	--	16 0

TABLE E-1

MINERAL ANALYSES OF GROUND WATER

CENTRAL COASTAL AREA

STATE WELL NUMBER DATE TIME	SAMPLE	TEMP	PH LAB FLD	EC LAB FLD	MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCM
	ALEXANDER VALLEY (1-17.00) (CONT.)																	
10N/09W-25L01 M 08/31/67 5050 1030		--	8.6	622	34 1.70	55 4.52	12 .52	--	13 .43	301 4.94	--	8.7 .25	--	--	0.1	--	--	313 45
11N/10W-23G01 08/31/67 5050 1315		--	--	375	--	--	--	--	--	--	--	--	--	--	0.4	--	--	--
11N/10W-33G01 M 08/31/67 5050 1130		--	7.6	201	12 .59	8.3 .68	16 .70	--	0.0	63 1.03	--	18 .51	--	--	0.2	--	--	64 13
	SANTA ROSA VALLEY (1-18.00)																	
05N/09W-03E01 M 09/05/67 5050 1500		--	--	523	--	--	87 3.78	--	--	--	--	--	--	--	0.5	--	--	--
06N/07W-18K01 M 09/06/67 5050 1315		--	--	870	--	--	--	--	--	--	--	--	35 .56	--	--	--	--	--
06N/08W-13H01 M 09/01/67 5050 1345		--	--	499	--	--	--	--	--	--	--	--	37 .60	--	--	--	--	--
07N/06W-23P01 M 09/06/67 5050 1445		--	--	222	--	--	16 .70	--	--	--	--	--	--	--	--	--	--	--
07N/07W-15C01 M 09/06/67 5050 1400		--	7.9	259	14 .70	13 1.07	24 1.04	--	0.0	147 2.41	--	5.0 .14	--	--	0.0	--	--	87 0
07N/07W-29Q01 M 09/01/67 5050 1540		--	8.8	512	33 1.65	20 1.64	46 2.00	--	23 .77	248 4.07	--	21 .59	--	--	0.4	--	--	166 0
07N/08W-03L01 M 09/01/67 5050 0830		--	--	759	--	--	78 3.39	--	--	--	--	--	--	--	--	--	--	--
07N/08W-14J01 M 09/01/67 5050 1015		--	--	632	--	--	84 3.87	--	--	--	--	--	--	--	0.3	--	--	--

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				MILLIEQUIVALENTS PER LITER				PERCENT REACTANCE VALUE		MILLIGRAMS PER LITER				TDS SUM	TH NCH
				CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2				
SANTA ROSA VALLEY (1-18.00) (CONT.)																			
07N/08W-30P01 M	--	7.9	1100	66	58	58	--	0.0	216	--	145	--	--	0.1	--	--	405
09/01/67 5050				3.29	4.77	2.52			3.54		4.09						228
1100																	
07N/09W-09F01 M	--	7.5	165	9.9	6.2	16	--	0.0	60	--	12	--	--	0.0	--	--	50
09/01/67 5050				.49	.51	.70			.98		.34						1
0945																	
07N/09W-36M01 M	--	--	366	--	--	36	--	--	--	--	--	--	--	0.0	--	--	--
09/01/67 5050						1.57											
1130																	
09N/10W-01C01 M	--	8.6	215	14	9.7	14	--	4.0	112	--	6.4	--	--	0.0	--	--	75
09/06/67 5050				.70	.80	.78		.13	1.84		.18						0
1100																	

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	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
							MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
SAN FRANCISCO BAY REGION (NO. 2)																				
PETALUMA VALLEY (2-1.00)																				
03N/06W-01Q01 M		--		--	1350		--	--	218	--	--	--	--	141	--	--	--	--	--	--
09/06/67	5050								9.48					3.98						
03N/06W-03C01 M		--		--	4190		--	--	350	--	--	--	--	1060	--	--	0.2	--	--	--
09/06/67	5050								15.23					29.89						
03N/06W-11B01 M		--		--	1820		--	--	312	--	--	--	--	298	--	--	--	--	--	--
09/06/67	5050								13.57					8.40						
03N/06W-18M01 M		--		8.7	598		30	42	26	--	10	161	--	44	--	--	0.0	--	--	248
09/06/67	5050						1.50	3.45	1.13		.33	2.64		1.24						100
0915																				
03N/07W-14F01 M		--		--	666		--	--	--	--	--	--	--	65	--	--	--	--	--	--
09/06/67	5050													1.83						
0945																				
04N/06W-07H01 M		--		8.9	1020		62	67	78	--	51	489	--	40	--	--	1.9	--	--	429
09/06/67	5050						3.09	5.51	3.39		1.70	8.02		1.13						0
04N/06W-07H02 M		--		--	3950		--	--	688	--	--	--	--	844	--	--	2.6	--	--	--
09/00/67	5050								29.93					23.80						
04N/06W-21Q01 M		--		--	1210		--	--	214	--	--	--	--	176	--	--	1.1	--	--	--
09/00/67	5050								9.31					4.96						
04N/06W-33R01 M		--		8.4	6500		237	308	525	--	8.0	282	--	2090	--	--	0.2	--	--	1860
09/00/67	5050						11.83	25.32	22.84		.27	4.62		58.94						1617
05N/06W-30D01 M		--		--	733		--	--	--	--	--	--	--	48	--	--	0.2	--	--	--
09/00/67	5050													1.35						
05N/07W-20L03 M		--		8.7	1430		145	23	89	--	26	167	--	261	--	--	0.0	--	--	459
09/00/67	5050						7.24	1.89	3.87		.87	2.74		7.36						279

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
PETALUMA VALLEY (2-1.00) (CONT.)																		
05N/07W-26E01 M		--	--	713	--	--	65	--	--	--	--	--	--	--	--	--	--	--
09/00/67	5050						2.83											
05N/07W-34E02 M		--	9.2	889	4.7	11	188	--	32	330	--	68	--	--	0.1	--	--	56
09/00/67	5050				.23	.90	8.18		1.07	5.41		1.92						0
NAPA VALLEY (2-2.01)																		
03N/03W-18G01 M		--	--	1140	--	--	87	--	--	--	--	145	--	--	0.1	--	--	373
09/08/67	5050						3.78					4.09						373
1515																		
03N/03W-18G02 M		--	8.7	1280	71	64	109	--	38	274	--	55	--	--	0.2	--	--	442
09/08/67	5050				3.54	5.26	4.74		1.27	4.49		1.55						154
1530																		
04N/04W-05C01 M		--	8.2	303	7.1	6.9	45	--	0.0	84	--	28	25	--	0.1	--	--	46
09/11/67	5050				.35	.57	1.96			1.38		.79	.40					0
04N/04W-05D02 M		--	--	800	--	--	--	--	--	--	--	94	--	--	--	--	--	--
09/11/67	5050											2.65						
0830																		
04N/04W-12M01 M		--	--	1070	--	--	--	--	--	--	--	144	--	--	--	--	--	--
09/08/67	5050											4.06						
1400																		
04N/04W-13E01 M		--	8.2	1920	130	41	211	--	0.0	216	--	296	26	--	0.3	--	--	496
09/08/67	5050				6.49	3.37	9.18			3.54		8.35	.42					319
1430																		
04N/04W-14C02 M		--	--	1660	--	--	--	--	--	--	--	332	--	--	--	--	--	--
09/08/67	5050											9.36						
1100																		
05N/04W-09Q02 M		--	--	519	--	--	--	--	--	--	--	42	--	--	--	--	--	--
09/11/67	5050											1.18						
1015																		
05N/04W-11F03 M		--	--	717	--	--	--	--	--	--	--	107	--	--	--	--	--	--
09/11/67	5050											3.02						
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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
NAPA VALLEY (2-2.01) (CONT.)																		
05N/04W-14C01 M		--	8.5	246	13	12	19	--	4.0	96	--	18	--	--	0.1	--	--	80
09/11/67	5050				.65	.99	.83		.13	1.57		.51						0
1230																		
05N/04W-15E01 M		--	--	446	--	--	--	--	--	--	--	38	--	--	0.1	--	--	--
09/11/67	5050											1.07						
1300																		
05N/04W-20R02 M		--	--	754	--	--	--	--	--	--	--	109	--	--	--	--	--	--
09/11/67	5050											3.07						
0945																		
05N/04W-21P02 M		--	8.6	2420	31	12	470	--	44	354	--	450	--	--	0.6	--	--	125
09/11/67	5050				1.55	.99	20.45		1.47	5.81		12.69						0
0915																		
05N/04W-29H01 M		--	--	410	--	--	--	--	--	--	--	30	--	--	0.0	--	--	--
09/11/67	5050											.85						
1130																		
06N/04W-06P01 M		--	--	378	--	--	--	--	--	--	--	14	--	--	0.1	--	--	--
09/11/67	5050											.39						
1500																		
06N/04W-15Q01 M		--	8.3	259	11	6.7	33	--	0.0	128	--	7.8	1.9	--	0.2	--	--	55
09/08/67	5050				.55	.55	1.44			2.10		.22	.03					0
1300																		
09N/07W-25N01 M		--	8.7	992	12	4.4	177	--	22	142	--	185	--	--	10.0	--	--	48
09/11/67	5050				.60	.36	7.70		.73	2.33		5.22						0
1400																		
SONOMA VALLEY (2-2.02)																		
04N/05W-14D02 M		--	8.8	1000	12	9.2	191	--	24	252	--	121	--	--	0.2	--	--	68
08/28/67	5050				.60	.76	8.31		.80	4.13		3.41						0
04N/05W-32B01 M		--	--	3190	--	--	--	--	--	--	--	699	19	--	2.6	--	--	--
08/28/67	5050											19.71	.31					
05N/05W-18D02 M		--	8.7	525	25	22	44	--	10	145	--	38	45	--	0.2	--	--	152
08/28/67	5050				1.25	1.81	1.91		.33	2.38		1.07	.72					17

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 MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	MILLIGRAMS PER LITER B	SIO2	TDS SUM	TH NCH
SONOMA VALLEY (2-2.02) (CONT.)																		
05N/05W-20R01 M 08/27/67 5050		--	--	872	--	--	191 8.31	--	--	--	--	48 1.35	--	--	4.1	--	--	--
05N/06W-12F01 M 08/28/67 5050		--	--	432	--	--	--	--	--	--	--	25 .71	--	--	0.5	--	--	--
05N/06W-25P01 M 08/28/67 5050		--	--	582	--	--	--	--	--	--	--	11 .31	--	--	1.4	--	--	--
06N/06W-23M02 M 08/28/67 5050		--	8.5	522	13 .65	7.9 .65	71 3.09	--	6.0 .20	128 2.10	--	79 2.23	--	--	1.6	--	--	65 0
06N/06W-26E01 M 08/28/67 5050		--	--	439	--	--	--	--	--	--	--	53 1.49	--	--	1.8	--	--	--
SOLSUN - FAIRFIELD (2-3.00)																		
03N/01E-04B01 M 08/16/67 5050 1315		--	--	1460	--	--	--	--	--	--	--	248 6.99	--	--	0.6	--	--	--
03N/01E-21D01 M 08/16/67 5050 1300		--	--	1840	--	--	--	--	--	--	--	166 4.68	--	--	7.9	--	--	--
03N/01E-22F02 M 08/16/67 5050 1245		--	9.1	1930	34 1.70	40 3.29	324 14.09	--	51 1.70	406 6.66	--	298 8.40	--	--	3.6	--	--	252 0
04N/01E-08F01 M 08/16/67 5050 1335		--	8.7	1040	43 2.15	28 2.30	122 5.31	--	16 .53	198 3.25	--	160 4.51	--	--	0.7	--	--	222 33
04N/01W-33A01 M 08/16/67 5050 1500		--	--	3840	--	--	--	--	--	--	--	824 23.24	--	--	16.0	--	--	--
04N/02W-04D01 M 08/17/67 5050 1100		--	--	1490	--	--	--	--	--	--	--	62 1.75	--	--	1.3	--	--	--

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
SUISUN - FAIRFIELD (2-3.00) (CONT.)																		
04N/02W-05Q02 M		--	--	956	--	--	--	--	--	--	--	91	--	--	0.5	--	--	--
08/17/67	5050											2.57						
1130																		
04N/02W-09H01 M		--	--	3780	--	--	--	--	--	--	--	985	--	--	5.0	--	--	--
08/17/67	5050											27.78						
1230																		
04N/02W-18M01 M		--	--	1130	--	--	--	--	--	--	--	98	--	--	0.6	--	--	--
08/16/67	5050											2.76						
1200																		
04N/03W-13G02 M		--	8.3	978	57	33	97	--	0.0	291	--	75	--	--	0.8	--	--	278
08/17/67	5050				2.84	2.71	4.22			4.77		2.12						40
1130																		
05N/01W-25R01 M		--	8.1	1720	112	32	172	--	0.0	278	--	356	--	--	1.0	--	--	411
08/17/67	5050				5.59	2.63	7.48			4.56		10.04						183
0830																		
05N/02W-21P03 M		--	--	1110	--	--	--	--	--	--	--	72	--	--	1.0	--	--	--
08/17/67	5050											2.03						
1015																		
05N/02W-34N01 M		--	--	1740	--	--	--	--	--	--	--	100	--	--	2.0	--	--	--
08/17/67	5050											2.82						
1045																		
05N/02W-34P04 M		--	--	1160	--	--	--	--	--	--	--	27	--	--	1.2	--	--	--
08/17/67	5050											.76						
1030																		
PITTSBURG PLAIN (2-4.00)																		
02N/01E-07R02 M		--	--	3480	--	--	--	--	--	--	--	670	--	--	--	--	--	--
08/23/67	5050											18.89						
0915																		
02N/02E-20A01 M		--	--	1540	--	--	--	--	--	--	--	225	46	--	--	--	--	--
08/23/67	5050											6.35	.74					
0830																		
CLAYTON VALLEY (2-5.00)																		
01N/01W-04A01 M		--	8.2	759	67	40	32	--	0.0	336	--	26	--	--	0.4	--	--	331
08/21/67	5050				3.34	3.29	1.39			5.51		.73						56
0800																		

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
CLAYTON VALLEY (2-5.00) (CONT.)																		
02N/01W-30J01 M		--	8.2	1100	84	58	62	--	0.0	439	--	55	--	--	0.5	--	--	448
08/18/67	5050				4.19	4.77	2.70			7.20		1.55						88
1016																		
02N/01W-30K01 M		--	--	1380	--	--	--	--	--	--	--	92	--	--	1.1	--	--	--
08/18/67	5050											2.59						
1030																		
02N/02W-13P01 M		--	7.8	1030	42	35	114	--	0.0	259	--	140	--	--	0.4	--	--	248
08/21/67	5050				2.10	2.88	4.96			4.25		3.95						36
0905																		
02N/02W-26B01 M		--	8.2	989	53	43	92	--	0.0	357	--	132	--	--	1.0	--	--	310
08/21/67	5050				2.64	3.53	4.00			5.85		3.72						18
0845																		
02N/02W-36J01 M		--	--	1270	--	--	--	--	--	--	--	152	36	--	--	--	--	--
08/18/67	5050											4.29	.58					
0910																		
YGNACIO VALLEY (2-6.00)																		
01N/01W-07K01 M		--	8.5	2270	119	67	300	--	8.0	430	--	166	--	--	1.0	--	--	571
08/18/67	5050				5.94	5.51	13.05		.27	7.05		4.68						205
1230																		
01N/01W-29G01 M		--	8.2	2140	124	68	241	--	0.0	538	--	274	--	--	1.1	--	--	590
08/18/67	5050				6.19	5.59	10.48			8.82		7.73						149
1300																		
01N/02W-11N01 M		--	8.3	1140	80	33	132	--	0.0	493	--	125	--	--	1.4	--	--	335
08/18/67	5050				3.99	2.71	5.74			8.09		3.53						0
1345																		
01N/02W-13P01 M		--	8.1	1360	74	67	114	--	0.0	493	--	105	--	--	1.4	--	--	460
08/18/67	5050				3.69	5.51	4.96			8.09		2.96						56
1315																		
02N/02W-36E01 M		--	--	3260	--	--	--	--	--	--	448	468	200	--	1.3	--	--	--
08/18/67	5050										9.32	13.20	3.22					
0815																		
SANTA CLARA VALLEY - EAST BAY (2-9.01)																		
01S/04W-04A01 M		--	8.5	1340	89	61	95	--	12	330	--	180	--	--	0.1	--	--	473
07/20/67	5050				4.44	5.01	4.13		.40	5.41		5.08						183
1230																		

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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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER: TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																		
01S/04W-34F02 M		--	8.2	621	20	15	80	--	0.0	158	--	82	--	--	0.1	--	--	111
07/20/67 5050					1.00	1.23	3.48			2.59		2.31						0
1000																		
02S/03W-08J01 M		--	8.2	3120	224	122	174	--	0.0	209	--	620	--	--	0.2	--	--	1060
07/21/67 5050					11.18	10.03	7.57			3.43		17.48						889
1525																		
02S/03W-21J01 M		--	8.0	5090	427	185	276	--	0.0	255	--	1440	--	--	0.3	--	--	1830
07/21/67 5050					21.31	15.21	12.01			4.18		40.61						1622
02S/03W-30A80 M		--	8.3	880	57	18	97	--	0.0	279	--	109	--	--	0.4	--	--	216
07/21/67 5050					2.84	1.48	4.22			4.58		3.07						0
1230																		
02S/03W-30D02 M		--	8.1	3480	255	103	262	--	0.0	186	--	933	--	--	0.3	--	--	1060
07/21/67 5050					12.72	8.47	11.40			3.05		26.31						908
1210																		
02S/03W-33H03 M		--	8.5	649	35	18	74	--	10	293	--	28	--	--	0.4	--	--	163
07/21/67 5050					1.75	1.48	3.44		.33	4.81		.79						0
1400																		
02S/03W-34A02 M		--	8.3	778	65	36	45	--	0.0	341	--	36	--	--	0.3	--	--	310
07/21/67 5050					3.24	2.96	1.96			5.59		1.02						31
1345																		
02S/04W-03E01 M		--	8.5	799	42	18	106	--	8.0	270	--	86	--	--	0.4	--	--	179
07/21/67 5050					2.10	1.48	4.61		.27	4.43		2.43						0
1115																		
02S/04W-12R01 M		--	8.3	386	22	10	40	--	0.0	156	--	38	--	--	0.2	--	--	96
07/21/67 5050					1.10	.82	1.74			2.56		1.07						0
1150																		
02S/04W-25A01 M		--	9.0	841	52	13	116	--	19	263	--	91	--	--	0.5	--	--	183
07/21/67 5050					2.59	1.07	5.05		.63	4.31		2.57						0
1220																		
03S/02W-07J01 M		--	8.7	1120	120	36	75	--	8.0	409	--	78	--	--	0.5	--	--	448
07/21/67 5050					5.99	2.96	3.26		.27	6.71		2.20						99
1510																		
03S/02W-19R04 M		--	8.6	1240	139	37	77	--	16	383	--	123	--	--	0.3	--	--	499
07/21/67 5050					6.94	3.04	3.35		.53	6.28		3.47						159
1525																		

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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 MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																	
03S/02W-30R14 M 07/21/67 5050 1540	--	8.1	1370	147 7.34	41 3.37	94 4.07	--	0.0	485 7.95	--	142 4.00	--	--	0.5	--	--	536 139
03S/02W-32D02 M 07/21/67 5050 1550	--	8.8	809	46 2.30	9.2 .76	125 5.44	--	10 .33	250 4.10	--	83 2.34	--	--	0.6	--	--	153 0
03S/03W-01D03 M 07/21/67 5050 1445	--	8.3	1020	34 1.70	19 1.56	152 6.61	--	0.0	334 5.48	--	122 3.44	--	--	0.8	--	--	163 0
03S/03W-13H02 M 07/21/67 5050 1500	--	8.5	1820	118 5.89	65 5.34	210 9.14	--	11 .37	633 10.38	--	136 3.84	--	--	1.4	--	--	562 25
03S/03W-24J02 M 07/21/67 5050 1530	--	8.7	2140	165 8.23	85 6.99	173 7.53	--	24 .80	402 6.59	--	315 8.88	--	--	0.6	--	--	761 392
04S/01W-07P02 M 05/16/67 5050	--	--	1120	--	--	--	--	--	--	--	78 2.20	--	--	--	--	--	--
04S/01W-07P02 M 09/18/67 5050 1400	--	--	943	--	--	--	--	--	--	--	60 1.69	--	--	--	--	--	--
04S/01W-07R01 M 05/05/67 5050	--	--	1150	--	--	--	--	--	--	--	94 2.65	--	--	--	--	--	--
04S/01W-07R01 M 09/25/67 5050	--	--	1270	--	--	--	--	--	--	--	157 4.43	118 1.90	--	--	--	--	--
04S/01W-07R03 M 05/22/67 5050 1430	--	--	1140	--	--	--	--	--	--	--	112 3.16	--	--	--	--	--	--
04S/01W-07R03 M 09/19/67 5050 1400	--	--	1270	--	--	--	--	--	--	--	153 4.31	66 1.06	--	--	--	--	--
04S/01W-17R02 M 05/05/67 5050	--	--	1410	--	--	--	--	--	--	--	435 12.27	--	--	--	--	--	--

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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				MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
					CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																		
04S/01W-17E02 M		--	7.7	2160	212	90	91	--	0.0	330	--	454	--	--	0.3	--	--	899
09/18/67	5050				10.58	7.40	3.96			5.41		12.80						629
04S/01W-18C02 M		--	--	1380	--	--	--	--	--	--	--	160	--	--	--	--	--	--
05/02/67 1100	5050											4.51						
04S/01W-18C02 M		--	8.4	1170	110	50	63	--	8.0	345	--	113	--	--	0.2	--	--	480
09/18/67 1500	5050				5.49	4.11	2.74		.27	5.66		3.19						184
04S/01W-18G01 M		--	--	2070	--	--	--	--	--	--	--	420	--	--	--	--	--	--
09/18/67	5050											11.84						
04S/01W-18H03 M		--	--	1660	--	--	--	--	--	--	--	347	--	--	--	--	--	--
04/18/67	5050											9.79						
04S/01W-18H03 M		--	--	2320	--	--	--	--	--	--	--	545	--	--	--	--	--	--
09/18/67	5050											15.37						
04S/01W-18M07 M		--	--	3040	--	--	--	--	--	--	--	781	--	--	--	--	--	--
04/18/67	5050											22.02						
04S/01W-18M07 M		--	8.0	3150	304	130	110	--	0.0	251	--	798	--	--	0.3	--	--	1293
09/18/67	5050				15.17	10.69	4.79			4.12		22.50						1088
04S/01W-20D02 M		--	--	766	--	--	--	--	--	--	--	102	--	--	--	--	--	--
09/21/67 1100	5050											2.88						
04S/01W-20E01 M		--	--	753	--	--	--	--	--	--	--	100	--	--	--	--	--	--
04/18/67	5050											2.82						
04S/01W-20E01 M		--	--	812	--	--	--	--	--	--	--	101	--	--	--	--	--	--
09/18/67	5050											2.85						
04S/01W-20H02 M		--	--	800	--	--	--	--	--	--	--	72	--	--	--	--	--	--
04/18/67	5050											2.03						

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																		
04S/01W-21F02 M		--	8.1	715	47	22	54	3.2	0.0	153	55	106	2.4	--	0.4	--	410	209
12/13/66	5050				2.35	1.81	2.35	.08		2.51	1.14	2.99	.04				365	84
1020					36	27	36	1		38	17	45	1					
04S/01W-21F02 M		--	7.5	713	52	20	57	3.0	0.0	157	73	86	7.6	--	0.3	--	420	214
03/07/67	5050				2.59	1.64	2.48	.08		2.57	1.52	2.43	.12				376	86
1025					38	24	37	1		39	23	37	2					
04S/01W-21F02 M		--	8.6	620	44	18	53	2.1	9.0	176	73	48	8.4	--	0.4	--	324	185
06/07/67	5050				2.20	1.48	2.31	.05	.30	2.89	1.52	1.35	.14				342	26
1000					36	25	38	1	5	47	25	22	2					
04S/01W-21K03 M		--	--	544	--	--	--	--	--	--	--	27	--	--	--	--	--	--
05/09/67	5050											.76						
04S/01W-21K03 M		--	--	588	--	--	--	--	--	--	--	35	--	--	--	--	--	--
09/26/67	5050											.99						
04S/01W-21P06 M		--	--	691	--	--	--	--	--	--	--	--	--	--	--	--	350	--
12/13/66	5050																	
1000																		
04S/01W-21P06 M		--	7.7	711	61	24	48	2.2	0.0	250	62	56	4.2	--	0.5	--	395	252
03/07/67	5050				3.04	1.97	2.09	.06		4.10	1.29	1.58	.07				380	47
0940					42	28	29	1		58	18	22	1					
04S/01W-21P06 M		--	8.5	671	56	24	46	1.5	9.0	239	69	41	6.6	--	0.6	--	368	240
06/07/67	5050				2.79	1.97	2.00	.04	.30	3.92	1.44	1.16	.11				371	29
0930					41	29	29	1	4	57	21	17	2					
04S/01W-21R02 M		--	--	702	--	--	--	--	--	--	--	69	--	--	--	--	--	--
04/18/67	5050											1.95						
04S/01W-21R02 M		--	8.6	842	76	29	54	--	14	265	--	73	--	--	0.6	--	--	309
09/18/67	5050				3.79	2.38	2.35		.47	4.35		2.06						68
04S/01W-21R04 M		--	--	530	--	--	--	--	--	--	--	28	--	--	--	--	--	--
05/09/67	5050											.79						
04S/01W-21R04 M		--	--	539	--	--	--	--	--	--	--	23	--	--	--	--	--	--
09/20/67	5050											.65						

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 MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																	
04S/01W-22M02 M 05/09/67 5050	--	--	1090	--	--	--	--	--	--	--	71 2.00	--	--	--	--	--	--
04S/01W-22M02 M 09/25/67 5050	--	8.2	1070	54 2.69	21 1.73	185 8.05	--	0.0	547 8.97	--	68 1.92	--	--	2.1	--	--	221 0
04S/01W-28B02 M 05/12/67 5050	--	--	755	--	--	--	--	--	--	--	42 1.18	--	--	--	--	--	--
04S/01W-28B02 M 09/20/67 5050 1400	--	8.5	778	66 3.29	30 2.47	68 2.96	--	6.0 .20	336 5.51	--	46 1.30	--	--	0.6	--	--	288 3
04S/01W-28C01 M 04/17/67 5050	--	--	743	--	--	--	--	--	--	--	71 2.00	--	--	--	--	--	--
04S/01W-28C14 M 04/17/67 5050	--	--	791	--	--	--	--	--	--	--	57 1.61	--	--	--	--	--	--
04S/01W-28C14 M 09/18/67 5050	--	8.4	640	69 3.44	24 1.97	44 1.91	--	6.0 .20	266 4.36	--	55 1.55	--	--	0.2	--	--	271 43
04S/01W-28D04 M 05/12/67 5050	--	--	806	--	--	--	--	--	--	--	75 2.12	--	--	--	--	--	--
04S/01W-28D04 M 09/20/67 5050 1330	--	8.5	812	70 3.49	30 2.47	45 1.96	--	17 .57	239 3.92	--	78 2.20	--	--	0.4	--	--	298 74
04S/01W-28D09 M 04/17/67 5050	--	--	758	--	--	--	--	--	--	--	79 2.23	--	--	--	--	--	--
04S/01W-28D09 M 09/18/67 5050	--	--	740	--	--	--	--	--	--	--	101 2.85	--	--	--	--	--	--
04S/01W-28F05 M 04/19/67 5050	--	--	603	--	--	--	--	--	--	--	27 .76	--	--	--	--	--	--

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 MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
	SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																	
04S/01W-28F05 M		--	8.4	566	55	18	49	--	16	246	--	31	--	--	0.3	--	--	211
09/18/67 5050					2.74	1.48	2.13		.53	4.03		.87						0
04S/01W-28L01 M		--	--	2770	--	--	--	--	--	--	--	635	--	--	--	--	--	--
05/17/67 5050												17.91						
04S/01W-28L01 M		--	--	2070	--	--	--	--	--	--	--	353	53	--	--	--	--	--
09/25/67 5050												9.95	.85					
04S/01W-29J08 M		--	--	4840	--	--	--	--	--	--	--	1360	--	--	--	--	--	--
05/12/67 5050												38.35						
04S/01W-29J08 M		--	8.0	4450	388	183	215	--	0.0	414	--	1220	--	--	0.7	--	--	1720
09/21/67 5050					19.36	15.04	9.35			6.79		34.40						1382
1500																		
04S/01W-29L12 M		--	--	3100	--	--	--	--	--	--	--	819	--	--	--	--	--	--
04/19/67 5050												23.10						
04S/01W-29L12 M		--	8.2	2630	242	96	72	--	0.0	148	--	681	--	--	0.2	--	--	999
09/26/67 5050					12.08	7.89	3.13			2.43		19.20						878
04S/01W-30E03 M		--	--	1110	--	--	--	--	--	--	--	191	--	--	--	--	--	--
04/17/67 5050												5.39						
04S/01W-30E03 M		--	8.3	1480	148	40	92	--	0.0	225	--	327	--	--	0.2	--	--	534
09/18/67 5050					7.39	3.29	4.00			3.69		9.22						350
04S/01 -30N03 M		--	--	1510	--	--	--	--	--	--	--	317	--	--	--	--	--	--
05/05/67 5050												8.94						
04S/01W-30N03 M		--	--	1480	--	--	--	--	--	--	--	388	--	--	--	--	--	--
09/21/67 5050												10.94						
1400																		
04S/01W-31A02 M		--	--	3520	--	--	--	--	--	--	--	1000	--	--	--	--	--	--
05/05/67 5050												28.20						

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																		
04S/01W-31A02 M		--	--	3610	--	--	--	--	--	--	--	988	--	--	--	--	--	--
09/22/67	5050											27.86						
04S/01W-31B03 M		--	--	1300	--	--	--	--	--	--	--	422	--	--	--	--	--	--
04/19/67	5050											11.90						
04S/01W-31B03 M		--	8.2	1990	174	65	75	--	0.0	140	--	480	--	--	0.2	--	--	702
09/28/67	5050				8.68	5.34	3.26			2.30		13.54						587
04S/01W-33A01 M		--	--	1530	--	--	--	--	--	--	--	105	--	--	--	--	--	--
05/12/67	5050											2.96						
04S/01W-33A01 M		--	8.7	1020	66	45	85	--	15	286	--	99	--	--	0.4	--	--	349
09/26/67	5050				3.29	3.70	3.70		.50	4.69		2.79						90
04S/01W-33E01 M		--	--	4900	--	--	--	--	--	--	--	1440	--	--	--	--	--	--
05/05/67	5050											40.61						
04S/01W-33E01 M		--	--	5100	--	--	--	--	--	--	--	1460	--	--	--	--	--	--
09/22/67	5050											41.17						
04S/01W-34Q04 M		--	--	1120	--	--	--	--	--	--	--	99	--	--	--	--	--	--
05/04/67	5050											2.79						
04S/01W-34Q04 M		--	8.1	1110	128	42	97	--	0.0	454	--	150	--	--	0.1	--	--	492
09/22/67	5050				6.39	3.45	4.22			7.45		4.23						120
04S/01W-34R02 M		--	--	1060	--	--	--	--	--	--	--	113	--	--	--	--	--	--
04/17/67	5050											3.19						
04S/01W-34R02 M		--	8.5	506	47	18	78	--	14	319	--	41	--	--	0.0	--	--	196
09/18/67	5050				2.45	1.48	3.39		.47	5.23		1.16						0
04S/01W-35P03 M		--	--	734	--	--	--	--	--	--	--	44	--	--	--	--	--	--
04/17/67	5050											1.24						

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 MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																		
04S/01W-45P[illegible] M 09/18/67 5050		--	8.1	671	50 2.50	18 1.48	82 3.57	--	0.0	370 6.07	--	38 1.07	--	--	0.1	--	--	199 0
04S/02W-03B01 M 05/05/67 5050		--	--	626	--	--	--	--	--	--	--	23 .65	--	--	--	--	--	--
04S/02W-03B01 M 09/26/67 5050		--	8.7	634	37 1.85	11 .90	84 3.65	--	20 .67	260 4.26	--	20 .56	--	--	0.2	--	--	138 0
04S/02W-09D02 M 07/24/67 5050 1045		--	8.1	1860	146 7.23	48 3.95	146 6.35	--	0.0	188 3.08	--	414 11.67	--	--	0.4	--	--	562 408
04S/02W-09D02 M 09/26/67 5050		--	7.8	1940	141 7.14	53 4.36	159 6.93	--	0.0	202 3.31	--	420 11.84	--	--	0.2	--	--	570 405
04S/02W-10E[illegible] M 05/02/67 5050		--	--	787	--	--	--	--	--	--	--	83 2.34	--	--	--	--	--	--
04S/02W-10E01 M 09/26/67 5050		--	8.5	624	48 2.40	17 1.40	44 2.0[illegible]	--	7.0 .23	218 3.58	--	37 1.04	--	--	0.2	--	--	190 0
04S/02W-10N01 M 05/16/67 5050		--	--	641	--	--	--	--	--	--	--	36 1.02	--	--	--	--	--	--
04S/02W-10J01 M 09/26/67 5050		--	--	756	--	--	--	--	--	--	--	56 1.58	--	--	--	--	--	--
04S/02W-10J15 M 04/19/67 5050		--	--	2400	--	--	--	--	--	--	--	767 21.63	--	--	--	--	--	--
04S/02W-10M05 M 09/26/67 5050		--	8.4	1500	124 6.4[illegible]	33 2.71	140 6.0[illegible]	--	0.0	244 4.00	--	148 4.81	--	--	0.2	--	--	458 258
04S/02W-10[illegible] 05/02/67 5050		--	--	2820	--	--	--	--	--	--	--	516 14.55	--	--	--	--	--	--

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																		
04S/02W-10Q02 M		--	8.0	2830	236	128	167	--	0.0	401	--	529	--	--	0.3	--	--	1116
09/27/67	5050				11.78	10.52	7.26			6.58		14.92						788
04S/02W-10Q03 M		--	--	2230	--	--	--	--	--	--	--	322	--	--	--	--	--	--
04/18/67	5050											9.08						
04S/02W-10Q03 M		--	--	2520	--	--	--	--	--	--	--	349	--	--	--	--	--	--
09/19/67	5050											9.84						
04S/02W-11A02 M		--	--	821	--	--	--	--	--	--	--	48	--	--	--	--	--	--
04/18/67	5050											1.35						
04S/02W-11A02 M		--	--	806	--	--	--	--	--	--	--	39	15	--	--	--	--	--
09/18/67	5050											1.10	.24					
04S/02W-11G01 M		--	--	1800	--	--	--	--	--	--	--	136	--	--	--	--	--	--
05/07/67	5050											3.84						
04S/02W-11G01 M		--	--	1640	--	--	--	--	--	--	--	123	406	--	--	--	--	--
09/26/67	5050											3.47	6.54					
04S/02W-11Q10 M		--	--	712	--	--	--	--	--	--	--	42	--	--	--	--	--	--
05/02/67	5050											1.18						
04S/02W-11Q10 M		--	8.5	632	79	21	42	--	8.0	281	--	43	--	--	0.1	--	--	283
09/26/67	5050				3.94	1.73	1.83		.27	4.61		1.21						39
04S/02W-11Q12 M		--	--	980	--	--	--	--	--	--	--	62	50	--	--	--	--	--
09/26/67	5050											1.75	.81					
04S/02W-11R12 M		--	--	1520	--	--	--	--	--	--	--	117	--	--	--	--	--	--
05/03/67	5050											3.30						
04S/02W-11R12 M		--	--	1700	--	--	--	--	--	--	--	128	208	--	--	--	--	--
09/26/67	5050											3.61	3.35					

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																		
04S/02W-12C01 M 04/17/67	5050	--	--	590	--	--	--	--	--	--	--	34 .96	--	--	--	--	--	--
04S/02W-12C01 M 09/18/67	5050	--	--	629	--	--	--	--	--	--	--	53 1.49	--	--	--	--	--	--
04S/02W-12N04 M 05/03/67	5050	--	--	1000	--	--	--	--	--	--	--	67 1.89	--	--	--	--	--	--
04S/02W-12N04 M 09/25/67	5050	--	--	951	--	--	--	--	--	--	--	60 1.69	68 1.09	--	--	--	--	--
04S/02W-12P02 M 05/17/67	5050	--	--	907	--	--	--	--	--	--	--	63 1.78	--	--	--	--	--	--
04S/02W-12P02 M 09/00/67	5050	--	--	914	--	--	--	--	--	--	--	65 1.83	54 .87	--	--	--	--	--
04S/02W-13C02 M 05/18/67	5050	--	--	1570	--	--	--	--	--	--	--	172 4.85	--	--	--	--	--	--
04S/02W-13C02 M 09/26/67	5050	--	--	1490	--	--	--	--	--	--	--	171 4.82	--	--	--	--	--	--
04S/02W-14B03 M 05/15/67	5050	--	--	2320	--	--	--	--	--	--	--	365 10.29	--	--	--	--	--	--
04S/02W-14E01 M 05/08/67	5050	--	--	4330	--	--	--	--	--	--	--	984 27.75	--	--	--	--	--	--
04S/02W-14E01 M 09/20/67	5050	--	8.1	4900	426 21.26	222 18.25	256 11.14	--	0.0	408 6.69	--	1130 31.87	--	--	0.4	--	--	1980 1647
04S/02W-14J01 M 05/08/67	5050	--	--	1260	--	--	--	--	--	--	--	209 5.89	--	--	--	--	--	--

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				MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				TH NCH
					CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																		
04S/02W-14J01 M		--	8.5	1320	135	43	50	--	14	267	--	201	--	--	0.3	--	--	513
09/21/67	5050				6.74	3.53	2.18		.47	4.38		5.67						271
04S/02W-15C01 M		--	--	491	--	--	--	--	--	--	--	25	--	--	--	--	--	--
05/03/67	5050											.71						
04S/02W-15C01 M		--	8.3	528	44	15	40	--	0.0	218	--	27	--	--	0.1	--	--	172
09/20/67	5050				2.20	1.23	1.74			3.58		.76						0
04S/02W-15L04 M		--	--	1020	--	--	--	--	--	--	--	144	--	--	--	--	--	--
05/02/67	5050											4.06						
04S/02W-15L04 M		--	9.1	1030	113	34	45	--	16	244	--	163	--	--	0.2	--	--	422
09/20/67	5050				5.64	2.79	1.96		.53	4.00		4.60						196
04S/02W-22P02 M		--	--	583	--	--	--	--	--	--	--	27	--	--	--	--	--	--
05/18/67	5050											.76						
04S/02W-22P02 M		--	9.2	621	26	7.2	93	--	26	212	--	28	--	--	0.2	--	--	94
09/21/67	5050				1.30	.59	4.05		.87	3.48		.79						0
04S/02W-23F02 M		--	--	2040	--	--	--	--	--	--	--	457	--	--	--	--	--	--
05/15/67	5050											12.89						
04S/02W-23F02 M		--	7.7	2540	281	90	66	--	0.0	275	--	632	--	--	0.4	--	--	1070
09/25/67	5050				14.02	7.40	2.87			4.51		17.82						845
04S/02W-24D04 M		--	--	666	--	--	--	--	--	--	--	37	--	--	--	--	--	--
05/03/67	5050											1.04						
1130																		
04S/02W-24D04 M		--	8.6	615	68	21	35	--	11	256	--	37	--	--	0.2	--	--	256
09/18/67	5050				3.39	1.73	1.52		.37	4.20		1.04						28
1600																		
04S/02W-24F06 M		--	--	5640	--	--	--	--	--	--	--	1670	-	--	--	--	--	--
05/03/67	5050											47.09						
1115																		

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 MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																	
04S/02W-24F06 M 09/26/67 5050	--	7.6	5050	426 21.26	246 20.22	145 6.31	--	0.0	202 3.31	--	1410 39.76	--	--	0.4	--	--	2080 1916
04S/02W-24L06 M 05/04/67 5050 1150	--	--	780	--	--	--	--	--	--	--	85 2.40	--	--	--	--	--	--
04S/02W-24L06 M 09/22/67 5050	--	8.2	909	98 4.89	26 2.14	52 2.26	--	0.0	239 3.92	--	159 4.48	--	--	0.4	--	--	351 155
04S/02W-26A01 M 05/00/67 5050 1600	--	--	1250	--	--	--	--	--	--	--	246 6.94	--	--	--	--	--	--
04S/02W-27L01 M 04/18/67 5050	--	--	613	--	--	--	--	--	--	--	23 .65	--	--	--	--	--	--
04S/02W-27L01 M 09/26/67 5050	--	--	629	--	--	--	--	--	--	--	31 .87	--	--	--	--	--	--
04S/02W-35F01 M 05/03/67 5050	--	--	1480	--	--	--	--	--	--	--	315 8.88	--	--	--	--	--	--
04S/02W-35F01 M 09/19/67 5050 1600	--	--	1460	--	--	--	--	--	--	--	308 8.69	--	--	--	--	--	--
05S/01W-03M01 M 04/18/67 5050	--	--	1110	--	--	--	--	--	--	--	172 4.85	--	--	--	--	--	--
05S/01W-04D01 M 04/17/67 5050	--	--	601	--	--	--	--	--	--	--	24 .68	--	--	--	--	--	--
05S/01W-04D01 M 09/18/67 5050	--	--	599	--	--	--	--	--	--	--	23 .65	--	--	--	--	--	--
05S/01W-06G01 M 05/03/67 5050	--	--	3280	--	--	--	--	--	--	--	932 26.28	--	--	--	--	--	--

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
SANTA CLARA VALLEY - EAST BAY (2-9.01) (CONT.)																		
05S/01W-08A03 M		--	--	675	--	--	--	--	--	--	--	17	--	--	--	--	--	--
05/08/67	5050											.48						
05S/01W-08A03 M		--	8.6	630	18	3.6	119	--	12	295	--	17	--	--	0.5	--	--	60
09/25/67	5050				.90	.30	5.18		.40	4.84		.48						0
05S/01W-09K01 M		--	--	1180	--	--	--	--	--	--	--	198	--	--	--	--	--	--
05/08/67	5050											5.58						
05S/01W-09K01 M		--	8.2	1960	153	70	116	--	0.0	244	--	428	--	--	0.4	--	--	671
09/25/67	5050				7.63	5.75	5.05			4.00		12.07						471
05S/01W-09M01 M		--	--	2220	--	--	--	--	--	--	--	542	--	--	--	--	--	--
05/08/67	5050											15.28						
05S/01W-09M01 M		--	8.7	2370	197	74	150	--	19	243	--	539	--	--	0.3	--	--	797
09/21/67	5050				9.83	6.08	6.53		.63	3.99		15.20						566
05S/01W-15C01 M		--	--	902	--	--	--	--	--	--	--	59	--	--	--	--	--	--
05/08/67	5050											1.66						
05S/01W-15C01 M		--	--	775	--	--	--	--	--	--	--	54	--	--	--	--	--	--
09/22/67	5050											1.52						
05S/01W-17A01 M		--	--	686	--	--	--	--	--	--	--	29	--	--	--	--	--	--
04/18/67	5050											.82						
05S/01W-17A01 M		--	--	694	--	--	--	--	--	--	--	30	--	--	--	--	--	--
09/18/67	5050											.85						
05S/02W-01N01 M		--	--	449	--	--	--	--	--	--	--	15	--	--	--	--	--	--
05/08/67	5050											.42						
1100																		
05S/02W-01N01 M		--	8.7	451	3.8	2.3	94	--	8.0	200	--	15	--	--	0.3	--	--	19
09/25/67	5050				.19	.19	4.09		.27	3.28		.42						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 MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
SANTA CLARA VALLEY - SOUTH BAY (2-9.02)																		
06S/01E-27C02 M		--	9.0	847	57	23	76	--	22	276	--	53	--	--	1.4	--	--	236
09/22/67	5050				2.84	1.89	3.31		.73	4.53		1.49						0
1330																		
06S/01E-28A04 M		--	9.0	791	31	40	76	--	20	264	--	60	--	--	1.0	--	--	241
09/22/67	5050				1.55	3.29	3.31		.67	4.33		1.69						0
1410																		
06S/01W-11B01 M		--	9.0	615	68	20	38	--	24	263	--	23	--	--	0.2	--	--	252
09/25/67	5050				3.39	1.64	1.65		.80	4.31		.65						0
1000																		
06S/01W-14E01 M		--	8.8	974	91	26	65	--	14	198	--	153	--	--	0.2	--	--	336
09/25/67	5050				4.54	2.14	2.83		.47	3.25		4.31						150
1030																		
06S/02E-09Q02 M		--	8.6	645	50	19	60	--	14	241	--	33	--	--	0.2	--	--	203
08/29/67	5050				2.50	1.56	2.61		.47	3.95		.93						0
1050																		
06S/02W-09H01 M		--	8.7	568	40	13	64	--	14	235	--	32	--	--	0.3	--	--	153
08/28/67	5050				2.00	1.07	2.78		.47	3.85		.90						0
1025																		
06S/02W-24M03 M		--	8.5	581	50	18	48	--	8.0	248	--	32	--	--	0.1	--	--	199
08/29/67	5050				2.50	1.48	2.09		.27	4.07		.90						0
0935																		
07S/01E-20H03 M		--	--	928	--	--	--	--	--	--	--	43	8.4	--	0.2	--	--	--
09/15/67	5050											1.21	.14					
1120																		
07S/01E-25A02 M		--	8.8	991	26	96	49	--	29	449	--	67	--	--	0.2	--	--	458
09/15/67	5050				1.30	7.89	2.13		.97	7.36		1.89						42
0920																		
07S/02E-18B01 M		--	--	1230	--	--	--	--	--	--	--	88	--	--	--	--	--	--
09/15/67	5050											2.48						
1150																		
07S/02E-19E01 M		--	8.9	851	68	38	61	--	21	366	--	42	--	--	0.2	--	--	327
09/15/67	5050				3.39	3.12	2.65		.70	6.00		1.18						0
0950																		

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
SANTA CLARA VALLEY - SOUTH BAY (2-9.02) (CONT.)																		
07S/02E-33C04 M		--	--	899	--	--	--	--	--	--	--	53	--	--	--	--	--	--
09/15/67	5050											1.49						
1040																		
08S/01E-04L04 M		--	8.8	476	41	28	15	--	12	200	--	16	--	--	0.1	--	--	217
08/31/67	5050				2.05	2.30	.65		.40	3.28		.45						33
1120																		
08S/01E-08R01 M		--	8.6	373	27	17	21	--	4.0	149	--	14	--	--	0.2	--	--	139
08/31/67	5050				1.35	1.40	.91		.13	2.44		.39						11
0900																		
08S/01E-10G01 M		--	8.5	524	55	18	26	--	6.0	204	--	24	--	--	0.1	--	--	213
09/21/67	5050				2.74	1.48	1.13		.20	3.35		.68						36
1020																		
08S/01E-16D01 M		--	8.6	394	30	19	19	--	6.0	156	--	15	--	--	0.2	--	--	155
09/01/67	5050				1.50	1.56	.83		.20	2.56		.42						17
1035																		
08S/01E-27C01 M		--	--	760	--	--	--	--	--	--	--	22	29	--	0.3	--	--	--
08/31/67	5050											.62	.47					
0930																		
08S/02E-07F01 M		--	8.9	576	38	38	23	--	8.0	246	--	17	--	--	0.1	--	--	249
09/07/67	5050				1.90	3.12	1.00		.27	4.03		.48						34
0840																		
08S/02E-16E01 M		--	8.6	572	50	31	21	--	9.0	253	--	16	--	--	0.1	--	--	254
09/07/67	5050				2.50	2.55	.91		.30	4.15		.45						32
1130																		
08S/02E-17L02 M		--	--	593	--	--	--	--	--	--	--	16	--	--	--	--	--	--
09/07/67	5050											.45						
0925																		
08S/02E-34A01 M		--	8.4	698	67	33	27	--	3.0	266	--	19	--	--	0.1	--	--	302
09/07/67	5050				3.34	2.71	1.17		.10	4.36		.54						79
1010																		
08S/01W-13A02 M		--	--	521	--	--	--	--	--	--	--	38	--	--	--	--	--	--
09/21/67	5050											1.07						
0910																		
09S/02E-02C01 M		--	8.5	739	54	40	32	--	4.0	202	--	42	--	--	0.1	--	--	298
09/07/67	5050				2.69	3.29	1.39		.13	3.31		1.18						126
1105																		

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 MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCM
SANTA CLARA VALLEY - SOUTH BAY (2-9.02) (CONT.)																	
09S/03E-22B03 M	--	--	503	--	--	--	--	--	--	--	15	--	--	--	--	--	--
09/12/67 5050											.42						
1110																	
09S/03E-36F03 M	--	8.6	484	46	19	24	--	9.0	184	--	19	--	--	0.1	--	--	194
09/12/67 5050				2.30	1.56	1.04		.30	3.02		.54						28
1230																	
LIVERMORE VALLEY (2-10.00)																	
02S/02E-27K01 M	--	7.8	6540	256	70	946	--	0.0	207	--	1880	--	--	48.0	--	--	927
07/17/67 5050				12.77	5.75	41.15			3.39		53.02						758
1335																	
02S/02E-35G02 M	--	8.6	3240	72	64	506	--	24	340	--	748	--	--	7.3	--	--	442
07/17/67 5050				3.59	5.26	22.01		.80	5.58		21.09						123
1410																	
03S/01E-03J01 M	--	8.3	1280	61	43	155	--	0.0	404	--	155	--	--	2.3	--	--	329
07/17/67 5050				3.04	3.53	6.74			6.63		4.37						0
1340																	
03S/01E-08H03 M	--	8.3	997	64	66	44	--	0.0	375	--	93	--	--	0.6	--	--	431
07/18/67 5050				3.19	5.43	1.91			6.15		2.62						124
1330																	
03S/01E-09A01 M	--	8.7	1140	63	45	132	--	29	391	--	112	--	--	1.9	--	--	342
07/17/67 5050				3.14	3.70	5.74		.97	6.41		3.16						0
1600																	
03S/01E-09D01 M	--	7.8	3730	205	170	342	--	0.0	477	--	748	--	--	2.9	--	--	1211
07/18/67 5050				10.23	13.97	14.88			7.82		21.09						821
1410																	
03S/01E-09K02 M	--	8.4	1170	47	67	97	--	8.0	385	--	118	--	--	2.0	--	--	392
07/18/67 5050				2.35	5.51	4.22		.27	6.31		3.33						63
1430																	
03S/01E-09L01 M	--	8.4	1240	59	66	101	--	8.0	426	--	125	--	--	2.0	--	--	418
07/18/67 5050				2.94	5.43	4.39		.27	6.99		3.53						55
1430																	
03S/01E-09P01 M	--	8.3	1130	56	62	92	--	0.0	346	--	129	--	--	1.8	--	--	394
07/18/67 5050				2.79	5.10	4.00			5.67		3.64						111
1415																	

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	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
					MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
LIVERMORE VALLEY (2-10.00) (CONT.)																		
03S/01E-10Q02 M		--	8.5	704	70	32	30	--	8.0	272	--	45	--	--	0.4	--	--	306
07/18/67	5050				3.49	2.63	1.31		.27	4.46		1.27						70
03S/01E-11D01 M		--	8.1	1500	122	84	107	--	0.0	414	--	79	--	--	1.4	--	--	650
07/17/67	5050				6.09	6.90	4.65			6.79		2.23						311
1515																		
03S/01E-11E01 M		--	8.6	1450	73	89	92	--	16	425	--	205	--	--	1.1	--	--	548
07/17/67	5050				3.64	7.32	4.00		.53	6.97		5.78						173
1545																		
03S/01E-11H01 M		--	8.4	935	52	58	100	--	6.0	326	--	96	--	--	0.5	--	--	368
07/18/67	5050				2.59	4.77	4.35		.20	5.35		2.71						91
1500																		
03S/01E-13P02 M		--	8.6	710	51	26	60	--	10	273	--	58	--	--	0.9	--	--	234
07/18/67	5050				2.54	2.14	2.61		.33	4.48		1.64						0
1510																		
03S/01E-15J02 M		--	8.7	1590	104	39	265	--	24	549	--	32	--	--	1.8	--	--	420
07/18/67	5050				5.19	3.21	11.53		.80	9.00		.90						0
1400																		
03S/01E-15L01 M		--	8.2	512	34	25	26	--	0.0	196	--	30	--	--	0.2	--	--	188
07/18/67	5050				1.70	2.06	1.13			3.21		.85						28
1445																		
03S/01E-19A05 M		--	8.3	632	59	31	31	--	0.0	266	--	34	--	--	0.3	--	--	274
07/18/67	5050				2.94	2.55	1.35			4.36		.96						56
1230																		
03S/02E-04H01 M		--	8.6	746	41	44	45	--	12	277	--	52	--	--	0.3	--	--	283
07/17/67	5050				2.05	3.62	1.96		.40	4.54		1.47						36
1430																		
03S/02E-04M01 M		--	8.2	744	40	44	46	--	0.0	295	--	52	--	--	0.4	--	--	281
07/17/67	5050				2.00	3.62	2.00			4.84		1.47						39
03S/02E-06P01 M		--	8.1	902	57	61	33	--	0.0	332	--	86	--	--	0.3	--	--	393
07/17/67	5050				2.84	5.01	1.44			5.44		2.43						121
1500																		
03S/02E-07R01 M		--	8.1	675	33	36	56	--	0.0	306	--	38	--	--	0.2	--	--	231
07/18/67	5050				1.65	2.96	2.44			5.02		1.07						0
1630																		

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 MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TOS SUM	TH NCH
LIVERMORE VALLEY (2-10.00) (CONT.)																	
03S/02E-08H01 M	--	8.4	726	34	35	68	--	6.0	267	--	67	--	--	0.5	--	--	229
07/18/67 5050				1.70	2.88	2.96		.20	4.38		1.89						0
1710																	
03S/02E-10H01 M	--	8.4	850	44	34	85	--	4.0	262	--	83	--	--	1.0	--	--	250
07/17/67 5150				2.20	2.79	3.70		.13	4.30		2.34						29
1445																	
03S/02E-29D11	--	8.4	705	45	32	49	--	6.0	224	--	57	--	--	0.4	--	--	244
07/18/67 5050				2.25	2.63	2.13		.20	3.67		1.61						51
1520																	
03S/03E-19C01 M	--	8.2	1690	34	46	277	--	0.0	533	--	231	--	--	6.2	--	--	274
07/18/67 5050				1.70	3.78	12.05			8.74		6.51						0
1400																	

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
CENTRAL COASTAL REGION (NO.3)																		
PAJARO VALLEY (3-2.00)																		
11S/02E-27A01 M		--	8.7	725	73	25	42	--	26	230	--	53	--	--	0.0	--	--	286
09/27/67	5050				3.64	2.06	1.83		.87	3.77		1.49						54
0815																		
12S/01E-11L02 M		--	8.6	413	26	20	22	--	8.0	142	--	22	--	--	0.1	--	--	148
09/28/67	5050				1.30	1.64	.96		.27	2.33		.62						18
1115																		
12S/01E-11N01 M		--	8.5	587	34	33	26	--	5.0	146	--	58	--	--	0.0	--	--	221
09/28/67	5050				1.70	2.71	1.13		.17	2.39		1.64						93
1145																		
12S/01E-14J01 M		--	--	391	--	--	--	--	--	--	--	38	9.3	--	--	--	--	--
09/28/67	5050											1.07	.15					
1045																		
12S/01E-23R01 M		--	--	608	--	--	--	--	--	--	--	24	--	--	--	--	--	--
09/28/67	5050											.68						
0945																		
12S/01E-24G01 M		--	8.7	509	31	29	27	--	14	205	--	26	--	--	0.1	--	--	196
09/28/67	5050				1.55	2.38	1.17		.47	3.36		.73						5
0915																		
12S/01E-24Q01 M		--	--	586	--	--	--	--	--	--	--	46	--	--	--	--	--	--
09/28/67	5050											1.30						
0815																		
12S/02E-07K01 M		--	--	545	--	--	--	--	--	--	--	19	--	--	--	--	--	--
09/28/67	5050											.54						
1500																		
12S/02E-18A03 M		--	--	466	--	--	--	--	--	--	--	13	--	--	--	--	--	--
09/28/67	5050											.37						
1415																		
12S/02E-18K02 M		--	8.7	458	40	19	25	--	14	183	--	13	--	--	0.1	--	--	177
09/28/67	5050				2.00	1.56	1.09		.47	3.00		.37						4
1330																		
12S/02E-19M01 M		--	--	1020	--	--	--	--	--	--	--	170	--	--	--	--	--	--
09/27/67	5050											4.79						
1530																		

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 MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
PAJARO VALLEY (3-2.00) (CONT.)																	
12S/02E-31A01 M 09/27/67 5050 1335	--	--	519	--	--	--	--	--	--	--	49 1.38	--	--	--	--	--	--
12S/02E-31K01 M 08/29/67 5050 0845	--	--	1820	--	--	--	--	--	--	--	415 11.70	--	--	--	--	--	--
12S/02E-32K01 M 09/27/67 5050 1400	--	8.5	592	29 1.45	22 1.81	51 2.22	--	4.0 .13	130 2.13	--	74 2.09	--	--	0.1	--	--	163 50
12S/03E-09Q01 M 09/27/67 5050 1030	--	--	1740	--	--	--	--	--	--	--	163 4.60	--	--	1.5	--	--	--
13S/01E-01A01 M 07/28/67 5050 1340	--	--	3360	--	--	--	--	--	--	--	861 24.28	7.8 .13	--	0.3	--	--	--
13S/02E-05M01 M 07/28/67 5050 1435	--	--	1300	--	--	--	--	--	--	204 4.24	114 3.21	55 .89	--	0.3	--	--	--
13S/02E-06P01 M 09/27/67 5050 1515	--	8.7	1200	10 .50	13 1.07	214 9.31	--	6.0 .20	194 3.18	--	195 5.50	--	--	0.2	--	--	80 0
GILROY - HOLLISTER (3-3.00)																	
09S/03E-25N03 M 06/27/67 5050 1330	--	--	487	--	--	--	--	--	--	--	22 .62	--	--	--	--	--	--
10S/03E-01E02 M 06/27/67 5050 1400	--	--	518	--	--	--	--	--	--	--	16 .45	33 .53	--	0.1	--	--	--
10S/03E-23J01 M 06/29/67 5050 1143	--	7.8	446	33 1.65	23 1.89	18 .78	--	0.0	179 2.94	--	21 .59	29 .47	--	0.1	--	--	178 31
10S/03E-26J01 M 06/29/67 5050 1120	--	--	457	--	--	--	--	--	--	--	24 .68	28 .45	--	--	--	--	--

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	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
					MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
GILROY - HOLLISTER (3-3.00) (CONT.)																		
10S/04E-17F01 M		--	--	760	--	--	--	--	--	--	--	48	--	--	--	--	--	--
06/27/67	5050											1.35						
1420																		
10S/04E-18G02 M		--	7.7	485	39	27	17	--	0.0	209	--	16	--	--	0.1	--	--	208
06/27/67	5050				1.95	2.22	.74			3.43		.45						37
1300																		
10S/04E-18J01 M		--	--	473	--	--	--	--	--	--	--	16	--	--	--	--	--	--
06/27/67	5050											.45						
1500																		
10S/04E-28D02 M		--	--	557	--	--	--	--	--	--	--	25	--	--	--	--	--	--
06/29/67	5050											.71						
1049																		
10S/04E-34L05 M		--	7.7	852	61	44	48	--	0.0	342	--	46	--	--	0.1	--	--	332
06/29/67	5050				3.04	3.62	2.09			5.61		1.30						52
1030																		
11S/04E-03L02 M		--	--	871	--	--	--	--	--	--	--	40	--	--	--	--	--	--
06/29/67	5050											1.13						
0940																		
11S/04E-04Q03 M		--	--	869	--	--	--	--	--	--	--	25	88	--	0.1	--	--	--
06/29/67	5050											.71	1.42					
0920																		
11S/04E-21B02 M		--	8.5	761	80	36	26	--	9.0	291	--	26	48	--	0.2	--	--	350
06/29/67	5050				3.99	2.96	1.13		.30	4.77		.73	.77					97
1000																		
11S/05E-27M01 M		--	8.6	520	47	24	26	--	11	234	--	21	--	--	0.3	--	--	214
06/28/67	5050				2.35	1.97	1.13		.37	3.84		.59						4
1600																		
12S/04E-34P02 M		--	7.8	2190	264	83	211	--	0.0	480	--	294	22	--	0.5	--	--	1000
06/28/67	5050				13.17	6.82	9.18			7.87		8.29	.35					607
0800																		
12S/04E-35C01 M		--	--	2020	--	--	--	--	--	--	447	120	--	--	1.0	--	--	--
06/28/67	5050										9.30	3.38						
1000																		
12S/04E-36G01 M		--	8.1	2250	115	139	209	--	0.0	647	--	148	--	--	1.3	--	--	858
06/28/67	5050				5.74	11.43	9.09			10.61		4.17						328
1015																		

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
GILROY - HOLLISTER (3-3.00) (CONT.)																				
12S/05E-09N02 M		--	8.2		1880		87	101	186	--	0.0	428	--	163	27	--	1.2	--	--	631
06/29/67	5050						4.34	8.30	8.09			7.02		4.60	.43					280
0930																				
12S/05E-12M03 M		--	--		1290		--	--	--	--	--	--	--	203	--	--	5.2	--	--	--
06/28/67	5050													5.72						
1500																				
12S/05E-33A01 M		--	8.0		1760		78	107	192	--	0.0	811	--	88	--	--	0.9	--	--	634
06/29/67	5050						3.89	8.80	8.35			13.30		2.48						0
1100																				
12S/05E-36A01 M		--	--		1370		--	--	--	--	--	--	--	149	--	--	1.5	--	--	--
06/28/67	5050													4.20						
1420																				
12S/06E-07M02 M		--	7.1		436		18	12	54	--	0.0	204	--	22	--	--	0.8	--	--	94
06/28/67	5050						.90	.99	2.35			3.35		.62						0
1500																				
12S/06E-19E02 M		--	--		1570		--	--	--	--	--	--	--	315	--	--	19.0	--	--	--
06/28/67	5050													8.88						
1500																				
12S/06E-31B01 M		--	8.3		2500		49	49	406	--	0.0	528	--	473	--	--	3.5	--	--	324
06/28/67	5050						2.45	4.03	17.66			8.66		13.34						0
1445																				
13S/05E-03J01 M		--	--		1440		--	--	--	--	--	--	262	110	--	--	0.9	--	--	--
06/28/67	5050												5.45	3.10						
1200																				
SALINAS VALLEY (3-4.00)																				
12S/03E-19M01 M		--	--		409		--	--	--	--	--	--	--	64	--	--	--	--	--	--
08/28/67	5050													1.80						
1015																				
13S/02E-01R01 M		--	8.0		261		12	8.1	26	--	0.0	71	--	28	--	--	0.0	--	--	64
08/18/67	5050						.60	.67	1.13			1.16		.79						6
1310																				
13S/02E-07R01 M		--	--		1000		--	--	--	--	--	--	--	124	--	--	--	--	--	--
07/05/67	5050													3.50						
0830																				

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
SALINAS VALLEY (3-4.00) (CONT.)																		
13S/02E-13N01 M		--	--	242	--	--	--	--	--	--	--	36	--	--	--	--	--	--
08/18/67	5050											1.02						
1030																		
13S/02E-19R01 M		--	--	1150	--	--	--	--	--	--	--	220	--	--	--	--	--	--
07/05/67	5050											6.20						
1000																		
13S/02E-20J01 M		--	--	1140	--	--	--	--	--	--	--	213	0.0	--	--	--	--	--
07/05/67	5050											6.01						
1210																		
13S/02E-29C04 M		--	8.2	812	47	14	97	--	0.0	232	--	119	--	--	0.2	--	--	175
07/05/67	5050				2.35	1.15	4.22			3.80		3.36						0
1200																		
13S/02E-31D02 M		--	--	1240	--	--	--	--	--	--	--	246	--	--	0.1	--	--	--
07/06/67	5050											6.94						
0820																		
13S/02E-31K02 M		--	--	654	--	--	--	--	--	--	--	73	--	--	--	--	--	--
07/06/67	5050											2.06						
0850																		
13S/02E-31M02 M		--	--	1060	--	--	--	--	--	--	--	196	--	--	--	--	--	--
07/06/67	5050											5.53						
0920																		
13S/02E-31N02 M		--	--	1260	--	--	--	--	--	--	--	262	--	--	--	--	--	--
07/06/67	5050											7.39						
0945																		
13S/02E-32C01 M		--	--	536	--	--	--	--	--	--	--	56	--	--	--	--	--	--
07/24/67	5050											1.58						
1020																		
13S/02E-32N01 M		--	--	641	--	--	--	--	--	--	--	71	--	--	--	--	--	--
07/24/67	5050											2.00						
0945																		
13S/02E-33R01 M		--	8.0	1020	94	32	65	--	0.0	259	--	122	--	--	0.1	--	--	366
07/07/67	5050				4.69	2.63	2.83			4.25		3.44						154
1350																		
13S/03E-04L01 M		--	7.5	240	11	9.3	32	--	0.0	86	--	36	--	--	0.0	--	--	66
08/18/67	5050				.55	.76	1.39			1.41		1.02						0
1115																		

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TM NCM
SALINAS VALLEY (3-4.00) (CONT.)																				
13S/03E-20B02 M		--		7.9		282	14	6.4	31	--	0.0	79	--	38	--	--	0.1	--	--	62
08/17/67	5050						.70	.53	1.35			1.30		1.07						0
1210																				
13S/03E-29A01 M		--		--		488	--	--	--	--	--	--	--	93	--	--	--	--	--	--
08/17/67	5050													2.62						
14S/01E-24Q02 M		--		--		1520	--	--	--	--	--	--	--	227	--	--	--	--	--	--
08/29/67	5050													6.40						
0930																				
14S/01E-25K01 M		--		7.0		677	28	16	65	--	0.0	46	--	125	--	--	0.1	--	--	136
08/29/67	5050						1.40	1.32	2.83			.75		3.53						99
0940																				
14S/02E-06Q01 M		--		--		610	--	--	--	--	--	--	--	58	--	--	--	--	--	--
07/06/67	5050													1.64						
1430																				
14S/02E-06R02 M		--		--		584	--	--	--	--	--	--	--	53	--	--	--	--	--	--
07/06/67	5050													1.49						
1405																				
14S/02E-08M02 M		--		--		503	--	--	--	--	--	--	--	45	--	--	--	--	--	--
07/24/67	5050													1.27						
1340																				
14S/02E-12Q01 M		--		--		555	--	--	--	--	--	--	--	45	--	--	--	--	--	--
07/14/67	5050													1.27						
1035																				
14S/02E-14N01 M		--		--		626	--	--	--	--	--	--	--	60	--	--	--	--	--	--
07/14/67	5050													1.69						
1330																				
14S/02E-24E01 M		--		8.3		679	52	18	57	--	0.0	209	--	75	--	--	0.2	--	--	204
07/26/67	5050						2.59	1.48	2.48			3.43		2.12						33
1110																				
14S/02E-25B01 M		--		--		1580	--	--	--	--	--	--	--	240	--	--	0.2	--	--	--
07/26/67	5050													6.77						
1045																				
14S/02E-30P02 M		--		--		656	--	--	--	--	--	--	--	91	--	--	--	--	--	--
08/29/67	5050													2.57						
1030																				

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
SALINAS VALLEY (3-4.00) (CONT.)																		
14S/02E-35Q01 M		--	--	494	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/67	5050																	
1500																		
14S/03E-30E01 M		--	--	2190	--	--	--	--	--	--	249	360	--	--	0.4	--	--	--
07/17/67	5050										5.18	10.15						
1510																		
14S/03E-33G01 M		--	8.4	881	69	30	63	--	8.0	201	--	117	--	--	0.1	--	--	296
07/20/67	5050				3.44	2.47	2.74		.27	3.30		3.30						118
1300																		
15S/01E-22C01 M		--	8.0	877	67	24	85	--	0.0	190	--	128	--	--	0.2	--	--	266
08/29/67	5050				3.34	1.97	3.70			3.12		3.61						110
1330																		
15S/01E-23G01 M		--	--	475	--	--	--	--	--	--	--	85	--	--	--	--	--	--
08/29/67	5050											2.40						
1320																		
15S/02E-02Q01 M		--	--	1420	--	--	--	--	--	--	242	76	--	--	--	--	--	--
07/25/67	5050										5.03	2.14						
1325																		
15S/03E-04K03 M		--	--	688	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/26/67	5050																	
0905																		
15S/03E-05Q04 M		--	--	2430	--	--	--	--	--	--	717	229	--	--	0.6	--	--	--
07/20/67	5050										14.91	6.46						
1230																		
15S/03E-16M01 M		--	8.0	1150	115	42	59	--	0.0	336	--	68	--	--	0.2	--	--	460
07/14/67	5050				5.74	3.45	2.57			5.51		1.92						185
1300																		
15S/03E-17P01 M		--	8.1	1180	68	48	110	--	0.0	473	--	121	--	--	0.2	--	--	367
07/14/67	5050				3.39	3.95	4.79			7.76		3.41						0
1105																		
16S/02E-01L01 M		--	--	634	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/22/67	5050																	
1140																		
16S/02E-03J01 M		--	8.1	893	82	18	76	--	0.0	242	--	130	--	--	0.1	--	--	279
08/22/67	5050				4.09	1.48	3.31			3.97		3.67						81
0930																		

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 MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER F	B	SIO2	TDS SUM	TH NCH
SALINAS VALLEY (3-4.00) (CONT.)																		
16S/04E-25R01		--	--	1010	--	--	--	--	--	--	240	55	--	--	0.3	--	--	--
07/13/67	5050										4.99	1.55						
1005																		
17S/05E-09Q01		--	8.2	614	66	22	29	--	0.0	209	--	25	--	--	0.1	--	--	255
07/10/67	5050				3.29	1.81	1.26			3.43		.71						84
1100																		
17S/06E-15F01		--	--	1040	--	--	--	--	--	--	253	76	--	--	0.7	--	--	--
07/06/67	5050										5.26	2.14						
0950																		
18S/06E-01E01		--	--	754	--	--	--	--	--	--	--	33	--	--	0.3	--	--	--
07/07/67	5050											.93						
1325																		
18S/06E-02N01		--	--	1010	--	--	--	--	--	--	247	59	41	--	--	--	--	--
07/07/67	5050										5.14	1.66	.66					
1440																		
19S/07E-10P01		--	8.0	935	70	39	57	--	0.0	193	--	122	--	--	0.3	--	--	335
07/07/67	5050				3.49	3.21	2.48			3.17		3.44						177
1015																		
19S/07E-13Q02		--	8.2	994	66	32	91	--	0.0	241	--	55	--	--	0.3	--	--	322
07/11/67	5050				3.39	2.63	3.96			3.95		1.55						125
0925																		
19S/08E-32A01		--	--	3720	--	--	--	--	--	--	1260	345	--	--	2.0	--	--	--
07/11/67	5050										26.21	9.76						
1015																		
19S/08E-33R01		--	--	3150	--	--	--	--	--	--	986	315	35	--	1.0	--	--	--
07/11/67	5050										20.51	8.88	.56					
1045																		
20S/08E-05R01		--	8.2	1540	114	41	156	--	0.0	294	--	128	--	--	0.9	--	--	478
07/11/67	5050				5.69	3.37	6.79			4.82		3.61						237
1250																		
20S/08E-24J02		--	8.4	3750	218	87	445	--	4.0	204	--	738	--	--	2.5	--	--	902
07/18/67	5050				10.88	7.15	19.4[illegible]		.13	3.35		20.81						729
1220																		
21S/09E-07J01		--	--	2170	--	--	--	--	--	--	--	207	43	--	0.2	--	--	--
07/18/67	5050											5.84	.69					
1105																		

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	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
					MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER									MILLIGRAMS PER LITER				
					MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE													
SALINAS VALLEY (3-4.00) (CONT.)																		
21S/09E-24L01	M	--	8.3	2100	185	75	172	--	0.0	232	--	124	--	--	0.6	--	--	773
07/27/67	5050				9.23	6.17	7.48			3.80		3.50						583
1025																		
22S/10E-17N01	M	--	8.3	512	46	18	30	--	0.0	192	--	23	--	--	0.2	--	--	189
07/18/67	5050				2.30	1.48	1.31			3.15		.65						32
0925																		
22S/10E-34G01	M	--	8.2	902	69	30	74	--	0.0	264	--	77	--	--	0.5	--	--	296
07/18/67	5050				3.44	2.47	3.22			4.33		2.17						80
1057																		
23S/08E-08K01	M	--	--	310	--	--	--	--	--	--	--	--	--	--	--	--	--	--
08/03/67	5050																	
0900																		
25S/12E-08G01	M	70 F	8.2	809	50	42	68	2.0	--	318	85	56	12	0.4	.34	--	484	298
06/06/67					2.50	3.45	2.96	.05		5.22	1.79	1.58	.20				473	37
					28	39	33	1		59	20	18	2					
25S/12E-16D99	M	--	8.2	763	39	32	72	2.0	0.0	288	69	51	14	--	.50	--	477	229
10/20/66					1.95	2.63	3.13	.05		4.72	1.44	1.44	.23				421	0
					25	34	40	1		60	18	18	3					
25S/12E-16K02	M	65 F	8.1	2517	179	136	234	4.0	--	528	614	292	10	0.7	.96	--	1899	1006
06/06/67					8.93	11.18	10.18	.10		8.66	12.77	8.23	.16				1729	573
					29	37	33			29	43	28	1					
25S/12E-16L01	M	63 F	7.8	2543	207	113	294	3.0	--	447	853	233	2.5	0.7	.95	--	2083	982
06/06/67					10.33	9.29	12.79	.08		7.33	17.74	6.57	.04				1926	616
					32	29	39			23	56	21						
25S/12E-16N01	M	--	8.2	842	43	38	70	2.0	0.0	236	84	64	15	--	.40	--	463	264
10/19/66					2.15	3.12	3.05	.05		4.69	1.75	1.80	.24				457	30
					26	37	36	1		55	21	21	3					
25S/12E-21L01	M	67 F	7.9	2524	162	114	267	7.0	--	405	610	337	24	0.6	1.19	--	1891	874
06/06/67					8.08	9.37	11.61	.18		6.64	12.69	9.50	.39				1722	542
					23	32	40	1		23	43	33	1					
25S/12E-26D01	M	69 F	7.7	584	47	38	39	2.0	--	271	36	53	25	0.4	.19	--	385	274
06/08/67					2.35	3.12	1.70	.05		4.44	.75	1.49	.40				373	52
					33	43	24	1		63	11	21	6					
25S/12E-26K01	M	71 F	8.3	828	52	37	75	2.0	--	286	94	76	6.5	0.5	.37	--	516	282
06/08/67					2.59	3.04	3.26	.05		4.69	1.96	2.14	.10				484	48
					29	34	36	1		53	22	24	1					

TABLE E-1
MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER / DATE / TIME	TEMP	PH LAB / PH FLD	EC LAB / EC FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
				MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER				MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE					MILLIGRAMS PER LITER				
SALINAS VALLEY (3-4.00) (CONT.)																	
25S/12E-27F01 M	72 F	8.0	879	46	50	73	2.0	--	327	102	71	15	0.6	.40	--	562	321
06/08/67				2.30	4.11	3.18	.05		5.36	2.12	2.00	.24				520	53
				24	43	33	1		55	22	21	2					
25S/12E-28N01 M	61 F	8.4	1870	85	79	190	4.0	4.0	225	466	201	7.9	--	.70	--	1230	537
10/05/66				4.24	6.49	8.27	.10	.13	3.69	9.69	5.67	.13				1148	346
				22	34	43	1	1	19	50	29	1					
25S/12E-32A01 M	63 F	7.9	986	54	45	105	2.0	--	303	179	72	8.0	0.5	.50	--	646	320
06/06/67				2.69	3.70	4.71	.05		4.97	3.72	2.03	.13				617	72
				24	33	42			46	34	19	1					
25S/12E-33Q02 M	65 F	8.1	1896	153	73	188	2.0	--	577	333	185	16	0.5	.62	--	1292	682
06/06/67				7.63	6.00	8.18	.05		9.46	6.93	5.22	.26				1234	209
				35	27	37			43	32	24	1					
25S/12E-35E01 M	68 F	7.8	2097	99	69	290	4.0	--	374	442	268	6.5	0.6	.90	--	1447	528
06/08/67				4.89	5.67	12.62	.10		6.13	9.19	7.56	.10				1362	222
				21	24	54			27	40	33						
25S/13E-19R01 M	63 F	8.6	544	--	--	--	--	11	209	--	38	25	--	--	--	--	--
10/06/66								.37	3.43		1.07	.40					
25S/14E-33Q01 M	72 F	8.6	635	29	22	79	3.0	11	283	45	24	3.6	--	.40	--	379	163
10/06/66				1.45	1.81	3.44	.08	.37	4.64	.94	.68	.06				356	0
				21	27	51	1	6	69	14	10	1					
25S/15E-21G01 M	63 F	8.1	548	35	19	51	2.0	--	204	23	49	23	0.8	.28	--	327	166
06/13/67				1.75	1.56	2.18	.05		3.35	.48	1.38	.37				302	0
				32	28	39	1		60	9	25	7					
25S/16E-31R01 M	60 F	7.8	1483	150	40	156	3.0	--	310	428	99	6.0	1.0	.99	--	1099	539
06/13/67				7.49	3.29	6.79	.08		5.08	8.90	2.79	.10				1036	285
				42	19	38			30	53	17	1					
26S/09E-15N01 M	70 F	8.0	319	57	5.0	6.0	0.0	--	179	12	9.0	7.0	0.1	.02	--	176	163
06/09/67				2.84	.41	.26			2.94	.25	.25	.11				184	16
				91	12	7			83	7	7	3					
26S/10E-20E01 M	65 F	7.9	1440	109	61	185	9.0	--	427	500	27	7.0	0.7	.08	--	1164	523
06/09/67				5.44	5.01	8.05	.23		7.00	10.40	.76	.11				1108	173
				29	27	43	1		38	57	4	1					
26S/12E-03R03 M	70 F	7.8	547	41	24	37	2.0	--	202	27	58	9.5	0.4	.11	--	342	201
06/08/67				2.05	1.97	1.61	.05		3.31	.56	1.64	.15				298	36
				35	35	29	1		58	10	29	3					

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCM
SALINAS VALLEY (3-4.00) (CONT.)																		
26S/12E-05A02 M		64 F	8.2	750	88	28	42	2.0	--	229	137	53	11	0.3	.11	--	522	335
06/06/67					4.39	2.30	1.83	.05		3.76	2.85	1.49	.18				474	147
					51	27	21	1		45	34	18	2					
26S/12E-09F03 M		65 F	7.6	646	65	27	43	2.0	--	256	97	37	2.0	0.4	.04	--	435	273
05/08/67					3.24	2.22	1.87	.05		4.20	2.02	1.04	.03				399	63
					44	30	25	1		58	28	14						
26S/12E-09R01 M		64 F	7.6	1387	103	47	147	2.0	--	475	153	141	24	0.3	.35	--	886	451
06/08/67					5.14	3.86	6.39	.05		7.79	3.18	3.98	.39				850	62
					33	25	41			51	21	26	3					
26S/12E-14J99 M		-	8.5	690	35	23	82	2.0	9.0	267	52	53	2.5	--	.40	--	396	182
10/27/66					1.75	1.89	3.57	.05	.30	4.38	1.08	1.49	.04				390	0
					24	26	49	1	4	60	15	20	1					
26S/12E-16C04 M		64 F	8.1	1636	174	61	94	2.0	--	324	144	217	185	0.4	.25	--	1265	686
06/08/67					8.68	5.01	4.09	.05		5.31	3.00	6.12	2.98				1036	421
					49	28	23			30	17	35	17					
26S/12E-20A01 M			7.3	3587	108	2.0	680	9.0	--	105	531	817	1.0	5.0	4.55	--	2353	278
06/06/67					5.39	.16	29.56	.23		1.72	11.04	23.04	.02				2209	192
					15		84	1		5	31	64						
26S/12E-21D02 M		64 F	8.1	1075	64	29	160	4.0	--	369	149	99	2.0	0.9	.16	--	708	279
06/08/67					3.19	2.38	6.96	.10		6.05	3.10	2.79	.03				689	0
					25	19	55	1		51	26	23						
26S/12E-21L44 M		--	8.4	1060	39	17	174	3.0	4.0	405	68	86	2.4	--	.90	--	641	168
10/20/66					1.95	1.40	7.43	.08	.13	6.64	1.41	2.43	.04				589	0
					18	13	68	1	1	62	13	23						
26S/12E-22P02 M		75 F	8.3	744	33	22	96	2.0	0.0	290	46	56	8.4	--	.40	--	450	173
10/04/66					1.65	1.81	4.18	.05		4.76	.96	1.58	.14				406	0
					21	24	54	1		64	13	21	2					
26S/13E-11F01 M		77 F	8.5	1080	50	17	154	3.0	13	272	160	78	3.5	--	1.00	--	651	195
10/06/66					2.50	1.40	6.70	.08	.43	4.46	3.33	2.20	.06				613	0
					23	13	63	1	4	43	32	21	1					
26S/13E-28L02 M		73 F	8.8	582	41	15	59	2.0	18	216	20	48	1.7	--	.20	--	320	164
10/04/66					2.05	1.23	2.57	.05	.60	3.54	.42	1.35	.03				311	0
					33	21	44	1	10	60	7	23	1					
26S/14E-14R01 M		72 F	8.1	436	13	7.0	69	2.0	--	162	39	32	0.0	0.6	.26	--	258	62
06/13/67					.65	.58	3.00	.05		2.66	.81	.90					242	0
					15	14	70	1		61	19	21						

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
SALINAS VALLEY (3-4.00) (CONT.)																				
26S/14E-16R01 M		79 F		8.4		665	23	6.0	115	2.0	17	249	41	46	5.5	0.6	.42	--	412	82
06/13/67							1.15	.49	5.05	.05	.57	4.08	.85	1.30	.09				380	0
							17	7	75	1	8	59	12	19	1					
26S/14E-18J01 M		75 F		8.6		731	25	15	110	3.0	11	228	109	33	1.2	--	.50	--	443	124
10/06/66							1.25	1.23	4.79	.08	.37	3.74	2.27	.93	.02				419	0
							17	17	65	1	5	51	31	13						
26S/14E-18J01 M		77 F		8.5		660	30	9.0	104	3.0	15	254	61	33	4.1	--	.50	--	416	112
10/06/66							1.50	.74	4.52	.08	.50	4.17	1.27	.93	.07				384	0
							22	11	66	1	7	60	18	13	1					
26S/14E-21A01 M		66 F		8.1		1803	54	30	317	6.0	--	349	487	101	17	0.7	.56	--	1196	271
06/09/67							2.94	2.47	13.79	.20		5.72	10.17	2.85	.27				1193	0
							15	13	71	1		30	53	15	1					
26S/14E-21M01 M		75 F		7.8		642	24	6.0	124	2.0	--	300	57	31	3.5	0.7	.60	--	422	85
06/13/67							1.20	.49	5.39	.05		4.92	1.19	.87	.06				396	0
							17	7	76	1		70	17	12	1					
26S/14E-24B01 M		75 F		8.2		419	20	2.0	69	2.0	--	166	37	21	9.0	0.6	.23	--	279	58
06/13/67							1.00	.16	3.00	.05		2.72	.77	.59	.14				242	0
							24	4	71	1		64	18	14	3					
26S/14E-35Q01 M		63 F		7.3		478	--	--	--	--	0.0	154	--	42	16	--	--	--	--	--
10/10/66												2.53		1.18	.26					
26S/15E-02N01 M		70 F		8.3		2140	--	--	--	--	0.0	274	--	169	2.1	--	--	--	--	--
10/10/66												4.49		4.77	.03					
26S/15E-03R01 M		72 F		8.1		1644	41	5.0	313	3.0	--	214	392	158	1.0	0.6	1.40	--	1033	123
06/13/67							2.05	.41	13.62	.08		3.51	8.15	4.46	.02				1020	0
							13	3	84			22	50	28						
26S/15E-20B02 M		61 F		8.1		440	53	7.0	27	2.0	--	156	30	29	26	0.2	.04	--	257	161
06/13/67							2.64	.58	1.17	.05		2.56	.62	.82	.42				251	33
							54	13	26	1		58	14	19	10					
26S/15E-20N01 M		74 F		8.2		372	34	4.0	34	3.0	0.0	132	32	16	13	--	.00	--	220	102
10/10/66							1.70	.33	1.48	.08		2.16	.67	.45	.21				201	0
							47	9	41	2		62	19	13	6					
26S/15E-28Q01 M		63 F		8.1		1440	145	23	115	3.0	0.0	164	320	162	9.2	--	.40	--	968	457
10/10/66							7.24	1.89	5.05	.08		2.69	6.66	4.57	.15				859	323
							51	13	35	1		19	47	32	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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
SALINAS VALLEY (3-4.00) (CONT.)																		
26S/15E-28Q02 M		66 F	7.7	4820	--	--	--	--	0.0	303	--	601	0.4	--	--	--	--	--
10/10/66										4.97		16.95	.01					
26S/15E-29N01 M		69 F	8.2	389	45	5.0	24	2.0	0.0	135	21	22	22	--	.10	--	242	133
10/10/66					2.25	.41	1.04	.05		2.21	.44	.62	.35				207	23
					60	11	28	1		61	12	17	10					
26S/15E-32K01 M		72 F	8.2	362	45	3.0	27	2.0	--	140	31	21	9.0	0.2	.01	--	234	125
06/13/67					2.25	.25	1.17	.05		2.30	.64	.59	.14				207	10
					60	7	31	1		63	17	16	4					
26S/15E-33K01 M		68 F	7.8	972	93	14	101	2.0	--	140	221	106	7.5	0.4	.29	--	676	290
06/13/67					4.64	1.15	4.39	.05		2.30	4.60	2.99	.12				614	175
					45	11	43			23	45	30	1					
26S/16E-31B01 M		70 F	7.9	1680	--	--	--	--	0.0	330	--	97	40	--	--	--	--	--
10/10/66										5.41		2.74	.64					
27S/08E-26D01 M		59 F	8.2	1141	102	79	47	1.0	--	522	120	87	5.5	0.4	.18	--	762	580
05/23/67					5.09	6.49	2.13	.03		8.56	2.50	2.45	.09				700	152
					37	47	16			63	18	18	1					
27S/10E-15G01 M		55 F	7.8	632	77	26	30	1.0	--	265	112	19	0.0	0.3	.09	--	434	299
06/09/67					3.84	2.14	1.31	.03		4.35	2.33	.54					395	82
					52	29	13			60	32	7						
27S/10E-15G02 M		60 F	8.1	729	30	16	117	1.0	--	320	96	23	5.0	0.3	.13	--	435	141
06/09/67					1.50	1.32	5.09	.03		5.25	2.00	.65	.08				445	0
					19	17	64			66	25	8	1					
27S/11E-07P01 M		62 F	7.7	1153	162	30	56	2.0	--	427	223	31	2.0	0.2	.09	--	818	528
06/09/67					8.08	2.47	2.44	.05		7.00	4.64	.87	.03				716	178
					62	19	19			56	37	7						
27S/11E-09R01 M		63 F	7.8	1370	93	53	159	3.0	--	603	181	75	0.0	0.5	.19	--	895	450
06/09/67					4.64	4.36	6.92	.08		9.89	3.76	2.12					860	0
					29	27	43	1		63	24	13						
27S/12E-03C02 M		66 F	8.1	763	61	35	40	2.0	0.0	300	12	80	8.7	--	.10	--	460	296
10/04/66					3.04	2.88	1.74	.05		4.92	.25	2.26	.14				386	50
					39	37	23	1		65	3	30	2					
27S/12E-04K05 M		76 F	7.6	930	86	48	48	2.0	--	338	49	116	23	0.3	.14	--	645	412
06/08/67					4.29	3.95	2.09	.05		5.54	1.02	3.27	.37				538	135
					41	38	20			54	10	32	4					

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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	MILLIGRAMS PER LITER: F	B	SIO2	TDS SUM	TH NCH
SALINAS VALLEY (3-4.00) (CONT.)																		
27S/12E-09D02 M		65 F	8.1	922	93	48	48	2.0	--	342	115	77	18	0.4	.14	--	641	430
06/08/67					4.64	3.95	2.09	.05		5.61	2.39	2.17	.29				569	150
					43	37	19			54	23	21	3					
27S/12E-11E01 M		65 F	7.8	705	68	34	31	1.0	--	274	9.0	89	10	0.4	.09	--	468	310
06/08/67					3.39	2.79	1.35	.03		4.49	.19	2.51	.16				377	86
					45	37	18			61	3	34	2					
27S/12E-14A01 M		95 F	8.2	1183	5.0	1.0	260	3.0	--	371	122	101	2.0	1.2	1.09	--	707	17
06/07/67					.25	.08	11.31	.08		6.08	2.54	2.85	.03				678	0
					2	1	97	1		53	22	25						
27S/12E-15G01 M		90 F	8.2	1338	4.0	2.0	304	3.0	11	399	142	131	0.0	2.2	.33	--	860	18
06/08/67					.20	.16	13.40	.08	.37	6.54	2.95	3.69					799	0
					1	1	97	1	3	48	22	27						
27S/12E-21N04 M		60 F	8.4	1020	113	47	41	2.0	6.0	310	217	48	2.5	--	.10	--	611	476
10/03/66					5.64	3.86	1.78	.05	.20	5.08	4.51	1.35	.04				629	212
					50	34	16		2	45	40	12						
27S/12E-22M01 M		58 F	8.2	1170	75	40	117	3.0	0.0	340	203	80	9.7	--	.30	--	645	352
10/03/66					3.74	3.29	5.09	.08		5.58	4.22	2.26	.16				695	73
					31	27	42	1		46	35	18	1					
27S/12E-24P02 M		62 F	8.2	1150	140	44	46	2.0	0.0	369	225	64	3.5	--	.10	--	773	531
10/03/66					6.99	3.62	2.00	.05		6.05	4.74	1.80	.06				708	229
					55	29	16			48	37	14						
27S/12E-32C03 M		57 F	8.2	858	115	37	33	1.0	--	313	171	45	2.0	0.4	.05	--	587	439
06/06/67					5.74	3.04	1.44	.03		5.13	3.56	1.27	.03				558	183
					56	30	14			51	36	13						
27S/12E-33N01 M		62 F	8.0	944	101	53	34	3.0	--	353	145	66	0.0	0.3	.06	--	639	470
06/06/67					5.04	4.36	1.48	.08		5.79	3.02	1.86					575	181
					46	40	14	1		54	28	17						
27S/13E-09P01 M		64 F	8.6	665	14	9.0	125	2.0	13	330	22	20	4.3	--	.40	--	406	72
10/07/66					.70	.74	5.44	.05	.43	5.41	.46	.56	.07				371	0
					10	11	78	1	6	78	7	8	1					
27S/13E-13Q01 M		72 F	10.0	383	4.0	1.0	71	3.0	22	67	29	35	0.0	0.2	.06	--	228	14
06/07/67					.20	.08	3.04	.08	.73	1.10	.60	.99					198	0
					6	2	40	2	21	32	18	29						
27S/13E-17Q01 M		71 F	7.7	658	50	27	53	2.0	--	296	18	62	8.5	0.2	.05	--	378	236
06/07/67					2.50	2.22	2.31	.05		4.85	.37	1.75	.14				366	0
					35	31	33	1		68	5	25	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 / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE: CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	MILLIGRAMS PER LITER TDS SUM	TH NCH
SALINAS VALLEY (3-4.00) (CONT.)																		
27S/13E-20R01 M		72 F	7.7	539	49	28	31	2.0	--	285	13	30	12	0.2	.00	--	341	238
06/07/67					2.45	2.30	1.35	.05		4.67	.27	.85	.19				305	5
					40	37	22	1		78	5	14	3					
27S/13E-26Q01 M		70 F	8.1	531	53	21	29	2.0	--	228	39	31	11.5	0.2	.04	--	312	219
06/07/67					2.64	1.73	1.26	.05		3.74	.81	.87	.19				298	32
					46	30	22	1		67	14	16	3					
27S/13E-36R01 M		68 F	8.7	550	71	10	29	3.0	12	207	22	37	13	--	.00	--	359	218
10/07/66					3.54	.82	1.26	.08	.40	3.39	.46	1.04	.21				298	29
					62	14	22	1	7	62	8	19	4					
27S/15E-10A02 M		71 F	7.8	1223	132	19	107	3.0	--	109	261	179	15.5	0.3	.37	--	857	408
06/13/67					6.59	1.56	4.65	.08		1.79	5.43	5.05	.25				771	319
					51	12	36	1		14	43	40	2					
27S/15E-13A01 M		61 F	8.2	4700	--	--	--	--	0.0	231	--	844	29	--	--	--	--	--
10/11/66										3.79		23.80	.47					
27S/15E-35F01 M		68 F	7.5	333	37	5.0	22	2.0	--	127	30	18	6.0	0.2	.01	--	214	113
06/13/67					1.85	.41	.96	.05		2.08	.62	.51	.10				182	9
					57	13	29	2		63	19	15	3					
27S/16E-23B01 M		65 F	8.0	750	--	--	--	--	0.0	275	--	48	7.6	--	--	--	--	--
10/11/66										4.51		1.35	.12					
28S/09E-26E01 M		63 F	8.0	1950	90	85	200	1.0	--	453	76	308	138	0.6	.10	--	1200	574
05/23/67					4.49	6.99	8.70	.03		7.43	1.58	8.69	2.22				1121	203
					22	35	43			37	8	44	11					
28S/10E-33E05 M		61 F	8.1	1572	76	101	140	9.0	--	723	62	182	2.0	0.6	.22	--	955	605
05/23/67					3.79	8.30	6.09	.23		11.86	1.29	5.13	.03				927	12
					21	45	33	1		65	7	28						
28S/12E-10R02 M		--	8.3	893	94	34	45	2.0	0.0	277	132	60	2.0	--	.00	--	523	375
10/04/66					4.69	2.79	1.96	.05		4.54	2.75	1.69	.03				505	148
					49	29	21	1		50	31	19						
28S/12E-14J01 M		58 F	8.0	796	94	37	29	1.0	--	346	78	46	15.5	0.3	.04	--	506	387
06/07/67					4.69	3.04	1.26	.03		5.67	1.62	1.30	.25				470	104
					52	34	14			64	18	15	3					
28S/12E-14K01 M		58 F	8.5	720	69	37	40	1.0	15	235	111	49	7.0	0.4	.03	--	482	324
06/07/67					3.44	3.04	1.74	.03	.50	3.85	2.31	1.38	.11				445	107
					42	37	21		6	47	28	17	1					

MINERAL ANALYSES OF GROUND WATER
CENTRAL COASTAL AREA

STATE WELL NUMBER / DATE / TIME	LAB / SAMPLER	TEMP	PH LAB / FLD	EC LAB / FLD	CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
					MINERAL CONSTITUENTS IN MILLIGRAMS PER LITER / MILLIEQUIVALENTS PER LITER / PERCENT REACTANCE VALUE									MILLIGRAMS PER LITER				
SALINAS VALLEY (3.400) (CONT.)																		
28S/12E-25B01 M		--	7.5	642	76	31	20	1.0	--	249	109	26	8.0	0.4	.03	--	413	317
07/26/67					3.79	2.55	.87	.03		4.08	2.27	.73	.13				393	113
					52	35	12			57	31	10	2					
28S/12E-25B02 M		--	7.5	497	45	26	22	1.0	--	204	63	23	4.0	0.3	.04	--	306	220
07/26/67					2.25	2.14	.96	.03		3.35	1.31	.65	.06				284	53
					42	40	18	1		62	24	12	1					
28S/12E-25F99 M		--	7.9	867	79	41	42	1.0	0.0	309	117	53	1.0	--	.00	--	388	366
10/20/66					3.94	3.37	1.83	.03		5.07	2.43	1.49	.02				485	113
					43	37	20			56	27	17						
28S/12E-25F99 M		--	8.2	646	69	30	21	1.0	0.0	247	94	23	5.6	--	.10	--	549	296
10/21/66					3.44	2.47	.91	.03		4.05	1.96	.65	.09				365	94
					50	36	13			60	29	10	1					
28S/13E-04K02 M		68 F	7.9	673	60	37	30	1.0	--	290	7.0	75	9.0	0.6	.05	--	425	302
06/07/67					2.99	3.04	1.31	.03		4.76	.15	2.12	.14				362	64
					41	41	18			66	2	30	2					
28S/13E-04K03 M		70 F	8.0	651	51	30	49	2.0	--	320	10	56	7.5	0.4	.08	--	381	251
06/07/67					2.54	2.47	2.13	.05		5.24	.21	1.58	.12				363	225
					36	35	30	1		73	3	22	2					
28S/13E-31R02 M		60 F	8.5	731	61	40	35	2.0	10	267	106	28	3.4	--	.00	--	377	317
10/03/66					3.04	3.29	1.52	.05	.33	4.38	2.25	.79	.05				418	82
					38	42	19	1	4	56	29	10	1					
28S/16E-14J01 M		66 F	8.2	608	65	21	31	2.0	0.0	205	98	22	9.9	--	.00	--	358	249
10/11/66					3.24	1.73	1.35	.05		3.36	2.04	.62	.16				349	81
					51	27	21	1		54	33	10	3					
29S/10E-25D12 M		63 F	7.9	4223	447	180	227	2.0	--	532	223	1155	17.5	0.5	.11	--	3132	1857
05/24/67					22.31	14.80	9.87	.05		8.72	4.64	32.57	.28				2513	1422
					47	31	21			19	10	70	1					
29S/13E-15K03 M		62 F	7.8	1091	120	61	34	1.0	--	391	152	89	20	0.6	.02	--	767	551
06/07/67					5.99	5.01	1.70	.03		6.41	3.16	2.51	.32				674	231
					47	39	13			52	25	20	3					
29S/13E-08M01 M		62 F	7.9	594	59	10	47	1.0	0.0	210	55	39	6.3	--	.00	--	338	188
10/04/66					2.94	.82	2.04	.03		3.44	1.14	1.10	.10				320	16
					50	14	35	1		60	20	19	2					
29S/13E-19M01 M		--	8.2	598	44	32	33	1.0	0.0	237	66	28	7.8	--	.10	--	340	242
10/04/66					2.20	2.63	1.44	.03		3.89	1.37	.79	.13				328	48
					35	42	23			63	22	13	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 MILLIEQUIVALENTS PER LITER PERCENT REACTANCE VALUE CA	MG	NA	K	CO3	HCO3	SO4	CL	NO3	F	B	SIO2	TDS SUM	TH NCH
CARMEL VALLEY (3-7.00)																	
16S/01W-13L02 M 07/26/67 5050 1220	--	--	870	--	--	--	--	--	--	--	99 2.79	--	--	--	--	--	--
16S/01E-16L01 M 07/26/67 5050 1135	--	--	486	--	--	--	--	--	--	--	50 1.41	--	--	--	--	--	--
16S/01E-17G01 M 07/26/67 5050	--	--	1250	--	--	--	--	--	--	--	129 3.64	--	--	--	--	--	--
16S/01E-25B01 M 08/29/67 5050 1430	--	8.0	472	51 2.54	4.9 .40	34 1.48	--	0.0	131 2.15	--	27 .76	--	--	0.1	--	--	147 40

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	12-13-66	0.00					0.00	0.00	0.06			0.02			0.00			0.00	
4S/1W-21F2-M	3-7-67	0.00					0.02	0.00	0.00			0.00			0.00			0.01	
4S/1W-21F2-M	6-7-67						0.00												
4S/1W-21P6-M	12-13-66	0.00					0.00	0.00	0.06			0.01			0.00			0.00	
4S/1W-21P6-M	3-7-67	0.00					0.02	0.00	0.03			0.00			0.00			0.01	
4S/1W-21P6-M	6-7-67						0.00												

TABLE E-3
MISCELLANEOUS CONSTITUENTS IN GROUND WATER
CENTRAL COASTAL AREA

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	12-13-66	0.0	0.00	0.000	0.00
4S/1W-21F2-M	3-7-67	0.0	0.00	0.000	0.00
4S/1W-21F2-M	6-7-67	0.0		0.000	0.00
4S/1W-21P6-M	12-13-66		0.00	0.000	0.00
4S/1W-21P6-M	3-7-67	0.0	0.00	0.000	0.00
4S/1W-21P6-M	6-7-67	0.0		0.000	0.00

Appendix F

WASTE WATER

INTRODUCTION

This appendix contains data on the quality and quantity of waste water discharged at various locations in the Central Coastal Area and on the use of such waters. Waste waters constitute a portion of our total water resources and like streams and lakes, if carefully managed, can be put to good use.

Prior publications of the Department which contain similar data for this as well as other areas of California are:

1. "Reclamation of Water from Sewage or Industrial Waste." December 1952. (Data for 1950-51 and 1951-52.)

2. "Reclamation of Water from Sewage or Industrial Waste." June 1954. (Data for 1952-53.)

3. Bulletin No. 68, "Reclamation of Water from Sewage and Industrial Wastes, July 1, 1953-June 30, 1955." January 1958.

4. Bulletin No. 68-62, "Reclamation of Water from Sewage and Industrial Wastes in California, July 1, 1955-June 30, 1962." October 1963.

5. Office report, "Quantity, Quality and Use of Waste Water in Southern California, July 1, 1962-June 30, 1963." December 1965.

6. Office report, "Quantity, Quality and Use of Waste Water in Southern California, July 1, 1962-June 30, 1963." April 1966.

7. Office report, "Quality and Use of Waste Water 1962-1965." July 1966. (Data for Central Coastal California including San Francisco Bay area.)

8. Office report, "Quantity, Quality and Use of Waste Water in Southern California, July 1, 1964-June 30, 1965." January 1967.

Additional reports have been prepared on reclamation of water from wastes in specific areas. These are:

1. Bulletin No. 67, "Reclamation of Water from Sewage and Industrial Wastes, Watsonville Area, Santa Cruz and Monterey Counties." 1955.

2. Office report, "Feasibility of Reclamation of Water from Sewage in International Outfall Sewer, Tia Juana Valley, California." December 1955.

3. Bulletin No. 80, "Feasibility of Reclamation of Water from Wastes in the Los Angeles Metropolitan Area." December 1961.

4. Bulletin No. 80-2, "Reclamation of Water From Wastes in Coastal San Diego County." February 1968.

5. Bulletin No. 80-3, "Reclamation of Water from Wastes: Coachella Valley." December 1966.

Data presented in this appendix are for the period July 1, 1965, to September 30, 1967. The data in prior publications were presented on a fiscal year basis: the 12-month period beginning July 1 and ending June 30. In this appendix, where 12-month totals are listed for comparative purposes the values for the 1965-66 and 1966-67 fiscal years are shown as well as the values for the 1966-67 water year (October 1 to September 30, 1967).

In all tabulations, data are presented according to Water Quality Control Board region. These regions are geographic areas defined in Section 13040 of the Water Code. For the Central Coastal Area these are: North Coastal Water Quality Control Board Region (No. 1) (southern portion), San Francisco Bay Water Quality Control Board Region (No. 2), and Central Coastal Water Quality Control Board Region (No. 3) (northern portion).

The locations of waste dischargers are shown in Figure F-1.

This report contains data from waste dischargers that were not included in the report "Quality and Use of Waste Water, 1962-1965". In the North Coastal Water Quality Control Board Region (No. 1) these dischargers are:

1. City of Cloverdale. This treatment plant is located in Section 7 of Township 11 North, Range 10 West, Sonoma County. Treatment consists of grinding, primary settling, bio-filtration, secondary settling, chlorination, ponding; sludge digestion and drying. The average flow during the 1966-67 water year was 0.6 mgd.

2. City of Sebastopol. This treatment plant is located in Section 35 of Township 7 North, Range 9 West, Sonoma County. Treatment consists of primary settling, bio-filtration, secondary settling, ponding; sludge digestion and drying. The average domestic flow during 1966-67 water year was 0.3 mgd. During the 3-month apple canning season, there also is an industrial flow of 0.4 mgd for a combined total flow of 0.7 mgd. Average flow for the entire year of the combined domestic and industrial waste discharge was 0.4 mgd.

In San Francisco Bay Water Quality Control Board Region (No. 2) the additional dischargers are:

1. Contra Costa Sanitary District No. 7A. This treatment plant is located in Section 4 of Township 2 North, Range 1 West, Contra Costa County. Treatment consists of screening, grinding, and primary sedimentation; sludge digestion and drying. The average flow during the 1966-67 water year was 0.8 mgd.

2. Crockett-Valona Sanitary District. This treatment plant is located in Section 31 of Township 3 North, Range 3 West, Contra Costa County. Treatment consists of grinding, grit removal and primary sedimentation; sludge digestion and drying. The average flow during the 1966-67 water year was 0.3 mgd.

3. City of Los Altos. This treatment plant is located in Section 5 of Township 6 South, Range 2 West, Santa Clara County. Treatment consists of screening, grit removal, and primary sedimentation; sludge digestion and lagooning. The average flow during the 1966-67 water year was 1.6 mgd.

4. Marin County Sanitary District No. 6 (Ignacio). This treatment plant is located in Section 29 of Township 3 North, Range 6 West, Marin County. Treatment consists of grinding, primary sedimentation, bio-filtration, secondary sedimentation,

and chlorination; sludge digestion and centrifuging. The average flow during the 1966-67 water year was 0.7 mgd.

5. City of Pinole. This treatment plant is located in Section 20 of Township 2 North, Range 4 West, Contra Costa County. Treatment consists of grinding, grit removal, pre-aeration and primary sedimentation; sludge digestion and drying. The average flow during the 1966-67 water year was 0.7 mgd.

6. Rodeo Sanitary District. This treatment plant is located in Section 11 of Township 2 North, Range 4 West, Contra Costa County. Treatment consists of grinding, grit removal, pre-aeration and primary sedimentation; sludge digestion and drying. The average flow during the 1966-67 water year was 0.6 mgd.

7. Valley Community Services District. This treatment plant is located in Section 6 of Township 3 South, Range 1 East, Alameda County. Treatment consists of prechlorination, grinding, pre-aeration, grit removal, primary sedimentation, aeration, secondary sedimentation, chlorination and foam fractionation; sludge digestion and lagooning. The average flow during the 1966-67 water year was 1.3 mgd.

In the Central Coastal Water Quality Control Board Region (No. 3) the additional dischargers are:

1. Bear Creek Estates. This treatment plant is located in Section 12 of Township 9 South, Range 2 West, Santa Cruz County. Treatment is by a small activated sludge plant. Effluent is disposed of by spray irrigation. The average daily flow is approximately 30,000 gallons per day.

2. Chular County Sanitation District. This treatment plant is located in Section 9 of Township 16 South, Range 4 East, Monterey County. Treatment consists of screening and ponding. The average daily flow is 30,000 gallons per day.

3. Tres Pinos County Water District. This treatment plant is located in Section 20 of Township 13 South, Range 6 East, San Benito County. The only treatment is ponding. The average daily flow is estimated to be 100,000 gallons per day.

4. Western Pacific Sanitation Company (Toro Park Estates). This treatment plant is located in Section 18 of Township 15 South, Range 1 East, Monterey County. Treatment consists of screening, grinding, and aerated ponding. The average daily flow is 30,000 gallons per day.

DEFINITIONS

The following terms are defined for use in this appendix:

Sewage. Any and all waste substances, liquid or solid, associated with human habitation, or which contain or may be contaminated with human or animal excreta or excrement, offal, or any feculent matter. (Section 13005 of the Water Code.)

Other Waste. Any and all liquid or solid waste substances (not sewage) from any producing, manufacturing, or processing operation of whatever nature. (Section 13005 of the Water Code.)

Waste Water. Water containing sewage, other waste, or any combination thereof.

Sewerage System. A system for collecting, transporting, pumping, treating, and disposing of sewage and other wastes.

Reclaimed Waste Waters. Waters containing sewage or other waste which have been treated or otherwise purified to enable direct beneficial reuse or to allow reuse that would not otherwise occur. (Section 13005.1 of the Water Code.)

Primary Sewage Treatment. Treatment in a sewage treatment plant, which removes by sedimentation and flotation, a large portion of suspended matter, but little or no colloidal and dissolved matter. May be the first step in a major sewerage system or the total process in smaller sewerage systems.

Secondary Sewage Treatment. Treatment of sewage by biological methods which follows primary treatment and which accomplishes further stabilization of organic matter.

TABLE F-1

SUMMARY OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA

Water Quality Control Board Region	Fiscal Year 1965-66 No. Plants	Fiscal Year 1965-66 Volume Discharged (AF)	Fiscal Year 1966-67 No. Plants	Fiscal Year 1966-67 Volume Discharged (AF)	Water Year 1966-67 No. Plants	Water Year 1966-67 Volume Discharged (AF)
Total Volumes						
1	6	11,500	6	13,000	6	13,200
2	58	532,900	58	588,100	58	596,000
3	29	37,800	29	42,500	29	42,700
Total	93	582,200	93	643,600	93	651,900
Discharged to Ocean or Tidal Water						
1	0	0	0	0	0	0
2	48	513,700	48	565,500	48	572,500
3	8	20,000	8	23,500	8	23,500
Total	56	533,700	56	589,000	56	596,000
Discharged to Fresh Water						
1	5	10,900	5	12,400	5	12,600
2	7	14,700	7	17,800	7	18,700
3	8	9,500	8	10,100	8	10,400
Total	20	35,100	20	40,300	20	41,700
Discharged to Land						
1	1	600	1	600	1	600
2	3	4,500	3	4,800	3	4,800
3	13	8,300	13	8,900	13	8,800
Total	17	13,400	17	14,300	17	14,200

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	
North Coastal Water Quality Control Board Region (No. 1)							
City of Cloverdale	0.6	670	0.6	670	0.6	670	Russian River
City of Healdsburg	0.6	670	0.6	670	0.6	670	Dry Creek
Mendocino State Hospital	0.5	560	0.5	560	0.5	560	Land
City of Santa Rosa	6.3	7,060	7.4	8,290	7.6	8,510	Santa Rosa Creek
City of Sebastapol	0.3	450	0.3	450	0.3	450	LaGuna de Santa Rosa
	0.7*		0.7*		0.7*		
City of Ukiah	1.9	2,130	2.1	2,350	2.1	2,350	Russian River
TOTAL	10.2	11,540	11.5	12,990	11.7	13,210	

*During canning season for 3 months only.

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	
San Francisco Bay Water Quality Control Board Region (No. 2)							
City of Benicia	0.5	560	0.5	560	0.5	560	Carquinez Strait
City of Burlingame	2.6	2,910	3.6	4,030	3.6	4,030	San Francisco Bay
C and H Sugar Refinery	44.4	49,700	44.4	49,700	44.4	49,700	Carquinez Strait
Central Contra Costa Sanitary District	14.8	16,600	19.9	22,300	20.3	22,700	Suisun Bay
Contra Costa Sanitary District No. 7A	0.8	1,900	0.8	900	0.8	900	Suisun Bay
City of Concord	3.9	4,370	4.7	5,260	5.0	5,600	Walnut Creek
Crockett-Valona Sanitary District	0.3	340	0.3	340	0.3	340	Carquinez Strait
East Bay Municipal Utility District	76.4	85,600	85.3	95,500	85.8	96,100	San Francisco Bay
Fairfield-Suisun Sewer District	2.9	3,250	3.5	3,920	3.5	3,920	Suisun Slough
City of Hayward	9.0	10,100	10.5	11,800	10.3	11,500	San Francisco Bay
Las Gallinas Valley Sanitary District	1.5	1,680	2.3	2,580	2.5	2,800	Miller Creek
City of Livermore	2.6	2,910	2.6	2,910	2.6	2,910	Land
City of Los Altos	1.1	1,230	1.5	1,680	1.6	1,800	San Francisco Bay
Marin County Sanitary District No. 1	4.6	5,150	5.6	6,270	5.8	6,500	San Francisco Bay
Marin County Sanitary District No. 6 - Novato	1.9	2,130	2.2	2,460	2.3	2,580	Novato Creek
- Ignacio	0.7	780	0.7	780	0.7	780	San Pablo Bay

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	
San Francisco Bay Water Quality Control Board Region (No. 2) (Continued)							
City of Martinez	1.2	1,340	1.3	1,460	1.3	1,460	Carquinez Strait
Menlo Park Sanitary District	4.5	5,040	4.9	5,490	4.9	5,490	San Francisco Bay
City of Mill Valley	1.8	2,020	2.1	2,350	2.1	2,350	Richardson Bay
City of Milbrae	1.6	1,790	1.8	2,020	1.8	2,020	San Francisco Bay
Milpitas Sanitary District	2.2	2,460	2.2	2,460	2.2	2,460	Coyote Creek
City of Mountain View	4.9	5,490	5.5	6,160	5.6	6,270	San Francisco Bay
Mountain View Sanitary District	0.6	670	0.6	670	0.7	780	Carquinez Strait
Napa Sanitation District	5.3	5,940	5.2	5,820	5.3	5,940	Napa River
North San Mateo County Sanitation District	3.8	4,260	4.0	4,480	3.7	4,140	Pacific Ocean
Oro Loma Sanitary District	11.7	13,100	12.9	14,400	13.3	14,900	San Francisco Bay
City of Pacifica							
Sharp Park Plant	0.8	900	1.0	1,120	1.0	1,120	Pacific Ocean
Linda-Mar Plant	1.1	1,230	1.2	1,340	1.4	1,570	Pacific Ocean
City of Palo Alto	10.2	11,400	12.0	13,400	12.4	13,900	San Francisco Bay
City of Petaluma	1.6	1,790	1.9	2,130	2.0	2,240	Petaluma River
City of Pinole	0.6	670	0.7	780	0.7	780	San Pablo Bay
City of Pleasanton	0.5	560	0.8	900	0.8	900	Land and Irrigation
City of Redwood City	6.0	6,720	6.8	7,620	6.9	7,730	San Francisco Bay
City of Richmond	9.3	10,400	10.2	11,400	10.1	11,300	San Francisco Bay
Rodeo Sanitary District	0.5	560	0.6	670	0.6	670	San Pablo Bay
Cities of San Carlos-Belmont	3.7	4,140	4.6	5,150	5.0	5,600	San Francisco Bay

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	
San Francisco Bay Water Quality Control Board Region (No. 2) (Continued)							
City and County of San Francisco							
McQueen Plant	1.0 1/	1,000	1.0 1/	1,000	1.0 1/	1,000	Landscape Irrigation
North Point Plant	54.2	60,700	58.8	65,900	59.4	66,500	San Francisco Bay
Richmond-Sunset Plant	17.6	19,700	19.3	21,600	19.7	22,100	Pacific Ocean
Southeast Plant	19.1	21,400	19.7	22,100	19.6	22,000	San Francisco Bay
City of San Jose	61.9	69,300	67.4	75,500	68.9	77,200	San Francisco Bay
City of San Leandro							
Domestic Plant	3.9	4,370	4.1	4,590	4.0	4,480	San Francisco Bay
Industrial Plant	3.4	3,810	3.7	4,140	3.8	4,260	San Francisco Bay
City of San Mateo	8.2	9,020	10.2	11,200	10.6	11,700	San Francisco Bay
San Pablo Sanitary District	5.5	6,160	6.2	6,940	6.6	7,390	San Pablo Bay
San Rafael Sanitation District	2.3 2/	2,580	2.7	3,020	2.7	3,020	San Francisco Bay
Sausalito-Marin City Sanitary District	1.5	1,680	1.8	2,020	1.8	2,020	San Francisco Bay
Shell Chemical Company Pittsburg Plant	14.0	16,000	14.0	16,000	14.0	16,000	Suisun Bay
Sonoma Valley County Sanitation District	1.7	1,900	2.2	2,460	2.2	2,460	Schell Slough

1/ 1 Mgd from mid-January through November.
2/ Estimated flow.

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	
San Francisco Bay Water Quality Control Board Region (No. 2) (Continued)							
Cities of South San Francisco and San Bruno	8.2	9,180	9.5	10,600	9.5	10,600	San Francisco Bay
Stege Sanitary District	3.7	4,140	4.1	4,590	4.2	4,700	San Francisco Bay
City of Sunnyvale	10.8	12,100	12.5	14,000	12.7	14,200	San Francisco Bay
Travis Air Force Base	1.2	1,340	1.2	1,340	1.2	1,340	Union Creek
Union Sanitary District							
Newark Plant No. 1	3.2	3,580	3.4	3,810	3.5	3,920	San Francisco Bay
Irvington Plant No. 2	4.8	5,380	5.0	5,600	5.0	5,600	San Francisco Bay
Alvarado Plant No. 3	0.9	1,010	1.2	1,340	1.2	1,340	San Francisco Bay
Vallejo Sanitation and Flood Control District	7.2	8,060	7.4	8,290	7.5	8,400	Carquinez Strait
Valley Community Services District	0.7	780	1.1	1,230	1.3	1,460	Alamo Canal
TOTAL	473.9	532,880	525.2	588,080	532.2	596,030	

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis-charge (AF)	Average Rate of Flow (Mgd)	Volume Dis-charge (AF)	Average Rate of Flow (Mgd)	Volume Dis-charge (AF)	
Central Coastal Water Quality Control Board Region (No. 3)							
Aptos County Sanitation District	0.4	450	0.4	450	0.4	450	Monterey Bay
Atascadero Sewer Maintenance District	<0.1	70	<0.1	70	<0.1	70	Land
Atascadero State Hospital	0.3	340	0.3	340	0.3	340	Land
Carmel Sanitary District	1.1	1,230	1.0	1,120	1.0	1,120	Monterey Bay
Castroville County Sanitation District	0.4	450	0.4	450	0.4	450	Tembladero Slough
East Cliff County Sanitation District	2.1 1/	2,350	2.3 1/	2,580	2.3 1/	2,580	Monterey Bay
City of Gilroy							
Domestic	0.9	1,000	1.0	1,100	1.0	1,100	Land
Industrial	4.5	3,360 2/	4.6	3,400 2/	4.6	3,400 2/	Land
City of Gonzales	0.2 1/	220	0.2 1/	220	0.2 2/	220	Land
City of Greenfield	0.1	110	0.1	110	0.1	110	Land
City of Hollister							
Domestic	0.6	670	0.6	670	0.6	670	Land
Industrial	2.8 1/	1,250 1/	3.4	1,600	3.4	1,600	Land, San Benito River
City of King City	0.3 1/	340	0.4 1/	450	0.4 1/	450	Salinas River
King City Airport	0.1 1/	110	0.1 1/	110	0.1	110	San Lorenzo Creek

1/ Estimated flow.
2/ Canning season April through November.

TABLE F-2

QUANTITIES OF WASTE WATER DISCHARGED
CENTRAL COASTAL AREA (Continued)

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		Discharged to
	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	Average Rate of Flow (Mgd)	Volume Dis-charged (AF)	
Central Coastal Water Quality Control Board Region (No. 3) (Continued)							
City of Monterey	2.4	2,690	2.7	3,020	2.7	3,020	Monterey Bay
City of Morgan Hill	0.4	450	0.4	450	0.4	450	Little Llagas Creek
City of Pacific Grove	1.6	1,790	1.5	1,680	1.6	1,790	Pacific Ocean
City of Paso Robles	0.8	900	0.8	900	0.8	900	Salinas River
Paso Robles School for Boys	<0.1	40	<0.1	40	<0.1	40	Land
City of Salinas							
Domestic Plant 1	5.0 1/	5,600	5.4 1/	6,050	5.5 1/	6,160	Salinas River
Domestic Plant 2 (Alisal)	1.0	1,120	1.0	1,120	1.2	1,340	Salinas River
Industrial	1.5 2/	1,100	1.5 2/	1,100	1.5 2/	1,100	Land
City of San Juan Bautista	0.1 1/	110	0.1 1/	110	0.1 1/	110	Land
San Miguel Sanitary District	<0.1	<10	<0.1	<10	<0.1	<10	Land
City of Santa Cruz	3.7	4,140	6.7 1/	7,500	6.3 1/	7,060	Monterey Bay
Seaside County Sanitation District	1.4	1,570	1.3	1,460	1.3	1,460	Monterey Bay
Soledad State Prison	0.5	560	0.5	560	0.5	560	Salinas River
City of Soledad	0.1 1/	110	0.1 1/	110	0.1 1/	110	Land
City of Watsonville	5.1	5,710	5.1	5,710	5.3	5,940	Monterey Bay
TOTAL	37.7	37,850	42.2	42,490	42.4	42,720	

1/ Estimated flow.
2/ Canning season April through November.

TABLE F-3

SUMMARY OF WASTE WATER RECLAIMED
CENTRAL COASTAL AREA

Water Quality Control Board Region	Fiscal Year 1965-66 Volume Reclaimed (AF)	Fiscal Year 1966-67 Volume Reclaimed (AF)	Water Year 1966-67 Volume Reclaimed (AF)
1	900	900	900
2	3,600	4,100	4,000
3	700	700	700
TOTAL	5,200	5,700	5,600

TABLE F-4

QUANTITIES OF WASTE WATER RECLAIMED
CENTRAL COASTAL AREA

Discharger	Fiscal Year 1965-66		Fiscal Year 1966-67		Water Year 1966-67		
	Volume Discharged (AF)	Volume Reused (AF)	Volume Discharged (AF)	Volume Reused (AF)	Volume Discharged (AF)	Volume Reused (AF)	Volume Reused % of Total
North Coastal Water Quality Control Board Region (No. 1)							
City of Healdsburg	670	24	670	24	670	24	4
Mendocino State Hospital	560	560	560	560	560	560	100
City of Santa Rosa	7,060	70	8,290	70	8,510	70	< 1
City of Sebastopol	390	240	450	240	450	240	53
City of Ukiah	2,130	11	2,350	11	2,350	11	< 1
TOTAL		905		905	12,540	905	7
San Francisco Bay Water Quality Control Board Region (No. 2)							
East Bay Municipal Utility District	85,600	1,020	95,500	1,170	96,100	980	1
City of Livermore	2,910		2,910	90	2,910	150	5
City of Palo Alto	11,400	40	13,400	40	13,900	40	< 1
City of Pleasanton	520	520	850	850	900	900	100
Golden Gate Park	1,000	1,000	1,000	1,000	1,000	1,000	100
Travis Air Force Base	1,340	870	1,340	900	1,340	900	67
Valley Community Services District	780	150	1,230	20	1,460	20	1
TOTAL		3,600		4,070	117,610	3,990	3
Central Coastal Water Quality Control Board Region (No. 3)							
Carmel Sanitary District	1,230	600	1,120	600	1,120	600	54
City of Greenfield	110	20	110	20	110	20	18
Soledad State Prison	560	65	560	65	560	65	12
TOTAL		685		685	1,790	685	38

TABLE F-5

ANALYSES OF WASTE WATER

PART I

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	pH Field / Lab	Specific conductance (micromhos at 25°C)	Mineral constituents, milligrams per liter (ppm) / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Boron (B)	Fluoride (F)	Silica (SiO_2)	T.D.S. mg/l (ppm)	Hardness as $CaCO_3$ mg/l (ppm): Total	N.C	Percent Sodium
NORTH COASTAL REGION (NO. 1)																						
City of Cloverdale	10-27-65	24 Hour	0.2	7.5	618	2.98 a		54 / 2.35						33 / 0.93	14.2 / 0.23	0.7			372	149		44
	4-12-66	24 Hour	0.8	7.3	402	2.26 a		28 / 1.22						19 / 0.54	23.9 / 0.39	0.2			252	113		35
City of Healdsburg	10-27-65	24 Hour	0.5*	7.0	595	2.86 a		53 / 2.30						36 / 1.02	19.5 / 0.31	0.6			368	143		44
	4-12-66	24 Hour	0.6	7.5	856	4.44 a		50 / 2.18						58 / 1.64	11.5 / 0.19	0.6			438	222		33
Mendocino State Hospital	10-26-65	24 Hour	0.3	8.1	514	3.34 a		40 / 1.74						24 / 0.68	23.0 / 0.37	0.2			316	167		34
City of Santa Rosa West College Avenue Plant	10-27-65	24 Hour	5.9	7.8	995	3.44 a		93 / 4.04						96 / 2.71	0.9 / 0.01	0.7			486	172		54
	4-13-66	24 Hour	7.0	7.5	907	4.00 a		71 / 3.09						84 / 2.37	0.9 / 0.01	0.2			458	200		44
City of Sebastopol	11-2-65	24 Hour	0.4	7.7	1020	2.94 a		118 / 5.13						100 / 2.82	0.4 / 0.01	0.6			560	147		64
	4-13-66	24 Hour	0.4*	7.4	836	2.80 a		59 / 2.57						60 / 1.69	0.9 / 0.01	0.6			434	140		48
City of Ukiah	10-26-65	24 Hour	1.2	7.2	624	2.50 a		55 / 2.39						32 / 0.90	10.1 / 0.16	0.4			358	125		49
	4-11-66	24 Hour	1.9	7.5	453	2.42 a		33 / 1.44						27 / 0.76	16.4 / 0.26	0.1			290	121		37
SAN FRANCISCO BAY REGION (NO. 2)																						
City of Burlingame	9-27-67 0900-1500	6 Hour	2.2 m	7.3	821	1.96 a		62 / 2.70						107 / 3.02	0.9 / 0.01	0.5			475	98		58
C and H Sugar Refinery	1-20-66	24 Hour	0.6 m	6.8	12500	25.57 a		2110 / 91.78						3680 / 103.81	0.9 / 0.01	1.1			7430	1280		78
Central Contra Costa Sanitary District	1-17-66	24 Hour	17.2 m	7.4	1220	4.40 a		118 / 5.13						125 / 3.53	1.8 / 0.03	1.0			610	220		54

* Estimated Flow

a Sum of Calcium and Magnesium in epm

TABLE F-5

ANALYSES OF WASTE WATER

PART I

Source	Date / Time Sampled (P S T)	Type of Sample	Flow (mgd)	pH Field / Lab	Specific conductance (micromhos at 25°C)	Mineral constituents (milligrams per liter (ppm) / equivalents per million): Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Boron (B)	Fluoride (F)	Silica (SiO_2)	TDS mg/l (ppm)	Hardness as $CaCO_3$ mg/l (ppm): Total	Hardness as $CaCO_3$ mg/l (ppm): N C	Percent Sodium
						SAN FRANCISCO BAY REGION (NO. 2) (CONT.)																
East Bay Municipal Utility District	1-16-66	24 Hour	85.6 m	7.1	1260			142 / 6.18								0.4			576			
	7-1-65 thru 6-30-66	24 Hour	76.4 y	7.0 y		38 / 1.90 y	14 / 1.15 y	150 / 6.52 y	26 / 0.67 y				122 / 2.54 y	594 / 16.75 y	6.6 / 0.11 y			12 / y		150 y		68 y
	7-1-66 thru 7-31-66	24 Hour	68.3 m	6.7 m		61 / 3.04	8 / 0.66							236 / 6.66						208		
	8-1-66 thru 8-31-66	24 Hour	82.2 m	6.6 m		32 / 1.60	14 / 1.15							300 / 8.46				24 / m		136 m		
	9-1-66 thru 9-30-66	24 Hour	79.7 m	6.6		47 / 2.35	1 / 0.08						98 / 2.04	252 / 7.11				28		122		
	10-1-66 thru 10-31-66	24 Hour	75.2 m	6.6		25 / 1.25	15 / 1.23							246 / 6.94						125		
	12-1-66 thru 12-31-66	24 Hour	91.2 m	6.9 m		30 / 1.50 m	13 / 1.07 m						71 / 1.48 m	172 / 4.85 m				26 / m		128 m		
	1-1-67 thru 1-31-67	24 Hour	99.9 m	7.0 m		25 / 1.25 m	13 / 1.07 m							206 / 5.81 m						116 m		
	3-1-67 thru 3-31-67	24 Hour	97.0 m	7.2 m		33 / 1.65 m	11 / 0.90 m						80 / 1.67 m	193 / 5.44 m	4.9 / 0.08 m			14 / m		148 m		
	4-1-67 thru 4-30-67	24 Hour	106.5 m	7.2 m		37 / 1.85 m	10 / 0.82 m	74 / 3.22 m					100 / 2.08 m	170 / 4.79 m	3.5 / 0.06 m			13 / m		134 m		55 m
	5-1-67 thru 5-31-67	24 Hour	78.4 m	7.1 m		31 / 1.55 m	13 / 1.07 m						97 / 2.02 m	198 / 5.58 m	3.5 / 0.06 m			2 / m		131 m		
	6-1-67 thru 6-30-67	24 Hour	78.9 m	6.9 m		36 / 1.80 m	11 / 0.90 m							233 / 6.57 m				38 / m		137 m		
	7-1-66 thru 6-30-67	24 Hour	85.3 y	6.9 y		36 / 1.80 y	11 / 0.90 y	74 / 3.22					89 / 1.85 y	220 / 6.20 y	7.1 / 0.11			21 / y		139 y		
	7-1-67 thru 7-31-67	24 Hour	74.8 m	6.8 m	1139 m			140 / 6.09 m										6 / m				
	8-1-67 thru 8-31-67	24 Hour	78.8 m	6.4 m		32 / 1.60 m	15 / 1.23 m						80 / 1.67 m	223 / 6.29 m	3.5 / 0.06			2 / m		142 m		
	9-1-67 thru 9-30-67	24 Hour	82.7 m	6.6 m		32 / 1.60 m	15 / 1.23 m						68 / 1.42 m	220 / 6.20 m	2.7 / 0.04			22 / m		142 m		

m Monthly Average
y Yearly Average

TABLE F-5

ANALYSES OF WASTE WATER

PART I

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	pH Field / Lab	Specific conductance (micromhos at 25°C)	Mineral constituents, milligrams per liter (ppm) / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Boron (B)	Fluoride (F)	Silica (SiO_2)	TDS mg/l (ppm)	Hardness as $CaCO_3$ mg/l (ppm): Total	NC	Percent Sodium
SAN FRANCISCO BAY REGION (NO. 2) (CONT.)																						
City of Hayward	8-28-67	24 Hour	14.1	/ 7.9	2640	/ 7.05 a		382 / 16.62			0 / 0.00	346 / 5.67		552 / 15.57	0.9 / 0.01					353		
Las Gallinas Valley Sanitary District	1-18-66	24 Hour	1.9 m	/ 7.5	1000	/ 3.30 a		94 / 4.09						108 / 3.05	1.3 / 0.02				461	165		55
Milpitas Sanitary District	8-24-67	24 Hour	2.2 y	/ 7.1	760			102 / 4.44			0 / 0.00	84 / 1.38		77 / 2.17	48.7 / 0.79							
Oro Loma Sanitary District	8-24-67	24 Hour	11.7 m	/ 7.3	1020	/ 3.80 a		92 / 4.00			0 / 0.00	338 / 5.54		88 / 2.48	0.6 / 0.01					190		51
City of Redwood City	9-27-67	24 Hour	6.1 m	/ 7.1	2010	/ 4.52 a		265 / 11.53						380 / 10.72	0.8 / 0.01	1.0			1170	226		72
Cities of San Carlos and Belmont	9-27-67 / 0800-1500	7 Hour	5.3 m	/ 7.3	840	/ 2.12 a		81 / 3.52						113 / 3.19	3.5 / 0.05	0.7			439	106		62
City and County of San Francisco North Point Plant	8-30-67	24 Hour	56.1 m	/ 7.1	1430	/ 3.34 a		185 / 8.05			0 / 0.00	142 / 2.33		302 / 8.52	1.3 / 0.02					167		71
City and County of San Francisco Southeast Plant	8-30-67	24 Hour	16.2 m	/ 6.9	4100	/ 9.45 a		584 / 25.40			0 / 0.00	205 / 3.36		1000 / 28.21	1.3 / 0.02					473		73
City of San Jose	12-21-65	24 Hour	57.9	/ 7.3	1600	/ 5.35 a		174 / 7.57	18 / 0.46					214 / 6.04	0 / 0.00	0.7			798	268		56
	7-20-66	24 Hour	69.1	/ 7.6	1540	/ 5.65 a		178 / 7.74						188 / 5.30		0.8			835	283		58
	8-17-66	24 Hour	83.4	/ 7.8	1450	/ 5.51 a		209 / 9.09						170 / 4.80	0.4 / 0.01	0.7			841	276		62
	11-2-66	24 Hour	62.0	/ 7.7	1520	50 / 2.50	38 / 3.09	187 / 8.13	23 / 0.59		0 / 0.00	414 / 6.78	89 / 1.85	206 / 5.81	3.5 / 0.6	0.7			788	280	0	57
	8-24-67	24 Hour	88.3	/ 7.8	1600	/ 5.34 a		210 / 9.14			0 / 0.00	503 / 8.24		181 / 5.11	1.2 / 0.02					266		63

a Sum of Calcium and Magnesium in epm
m Monthly Average
y Yearly Average

TABLE F-5

ANALYSES OF WASTE WATER

PART I

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	pH Field / Lab	Specific conductance (micromhos at 25°C)	Mineral constituents, milligrams per liter (ppm) / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Boron (B)	Fluoride (F)	Silica (SiO_2)	TDS mg/l (ppm)	Hardness as $CaCO_3$ mg/l (ppm): Total	N C	Percent Sodium
SAN FRANCISCO BAY REGION (NO. 2) (CONT.)																						
City of San Mateo	9-5-67	24 Hour	8.6 m	/ 7.7	1830	/ 5.39 a		243 / 10.57			0 / 0.00	260 / 4.26		391 / 11.03	0.4 / 0.01					270		66
Shell Chemical, Pittsburg Plant	3-24-66 / 1115	Grab	14 m	/ 7.7	824	/ 2.44 a		62 / 2.70						58 / 1.64	3.1 / 0.05	0.0			369	122		52
Cities of South San Francisco and San Bruno	8-31-67	24 Hour	8.9 m	/ 7.9	4470	/ 8.59 a		628 / 27.32			0 / 0.00	310 / 5.08		1020 / 28.77	1.3 / 0.02					430		76
City of Sunnyvale	8-24-67	24 Hour	14.5 m	/ 7.1	1650	/ 5.89 a		170 / 7.40			0 / 0.00	266 / 4.36		314 / 8.86	1.2 / 0.02					295		56
Travis Air Force Base	1-18-66	24 Hour	1.2 y	/ 7.3	1440	/ 5.53 a		139 / 6.05						114 / 3.22	0.4 / 0.01	1.2			734	277		52
Union Sanitary District Newark Plant (No. 1)	8-24-67	24 Hour	3.4 m	/ 7.6	2000	/ 7.51 a		200 / 8.70			0 / 0.00	412 / 6.75		362 / 10.21	1.2 / 0.02					376		54
Union Sanitary District Alvarado Plant (No. 3)	8-24-67	24 Hour	1.3 m	/ 7.6	2390	/ 7.83 a		286 / 12.40			0 / 0.00	292 / 4.78		393 / 11.09	0.7 / 0.01					392		61

a Sum of Calcium and Magnesium in epm
m Monthly Average
y Yearly Average

TABLE F-5

ANALYSES OF WASTE WATER

PART I

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	pH Field / Lab	Specific conductance (micromhos at 25°C)	Mineral constituents, milligrams per liter (ppm) / equivalents per million: Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Boron (B)	Fluoride (F)	Silica (SiO_2)	TDS mg/l (ppm)	Hardness as $CaCO_3$ mg/l (ppm): Total	Hardness as $CaCO_3$ mg/l (ppm): N C	Percent Sodium
CENTRAL COASTAL REGION (NO. 3)																						
Aptos County Sanitation District	9-13-66	24 Hour	0.4	7.4	1200	3.96 a		104 / 4.52						128 / 3.61	0.4 / 0.01	0.6			634	198		53
Carmel Sanitary District	9-10-66	24 Hour	1.3	7.2	909	2.76 a		67 / 2.91						80 / 2.26	0.9 / 0.01	0.5			409	138		51
Castroville County Sanitation District	9-15-66	24 Hour	0.3	7.3	1460	4.20 a		134 / 5.83						204 / 5.75	1.3 / 0.02	0.7			710	210		58
Chular County Sanitation District	6- 2-67 / 0900	Grab	0.02	7.8	2560	167 / 8.33	83 / 6.85	223 / 9.70	2.3 / 0.06		0 / 0.00	679 / 11.13	298 / 6.20	302 / 8.52	0.0 / 0.00	1.2			1610	760	120	39
Fort Ord - Main Garrison	9-14-66	24 Hour	---	7.8	1190	49 / 2.44	26 / 2.14	97 / 4.22	18 / 0.46		0 / 0.00	319 / 5.23	92 / 1.92	135 / 3.81	1.1 / 0.02	0.6			626	229		46
City of Gilroy - Domestic	9-16-66	24 Hour	0.6*	7.4	1060	4.52 a		101 / 4.39						100 / 2.82	0.4 / 0.01	0.6			554	226		49
City of Gilroy - Industrial	9-22-66 / 1000	Grab	4.0*	7.4	1040	4.42 a		108 / 4.70						39 / 1.10	4.9 / 0.08	0.4			574	221		52
City of Gonzales	9- 8-66 / 1630	Grab	0.2*	7.9	2350	8.73 a		282 / 12.27						418 / 11.79	0.9 / 0.01	1.2			1430	437		58
City of Greenfield	9- 8-66 / 1530	Grab	0.2*	7.3	2510	12.17 a		235 / 10.22						357 / 10.07	0.0 / 0.00	0.6			1480	609		46
City of Hollister - Domestic	9-15-66	24 Hour	0.6	7.4	3010	10.97 a		353 / 15.36						501 / 14.13	0.4 / 0.01	1.2			1630	549		58
City of Hollister - Industrial	9-23-65 / 1400	Grab	5.0*	7.6	2440	26 / 1.30	53 / 4.37	477 / 20.75	82 / 2.10		0 / 0.00	746 / 12.23	199 / 4.14	118 / 3.33	0 / 0.00	1.1			2200	284	0	73
	9-15-66 / 1345	Grab	6-6.5*	7.3	2440	7.67 a		388 / 16.88						141 / 3.98	4.0 / 0.06	1.0			1830	384		69
City of King City	9- 6-66	24 Hour	0.4	7.3	1310	4.48 a		142 / 6.18						155 / 4.37	0.4 / 0.01	0.8			672	224		58
City of King City - Airport	9- 6-66	24 Hour	0.1*	8.3	1660	8.63 a		176 / 7.66						173 / 4.88	571 / 9.21	1.2			1030	432		47
City of Monterey	9- 9-66	24 Hour	2.4*	7.6	1520	3.32 a		198 / 8.61						242 / 6.83		0.5			700	166		72
City of Morgan Hill	9-16-66	24 Hour	0.3	7.7	951	3.84 a		82 / 3.57						67 / 1.89	3.5 / 0.06	0.0			466	192		48

* Estimated Flow

a Sum of Calcium and Magnesium in epm

TABLE F-5

ANALYSES OF WASTE WATER

PART I

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	pH Field / Lab	Specific conductance (micromhos at 25°C)	Mineral constituents (milligrams per liter (ppm) / equivalents per million): Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Ammonium (NH_4)	Carbonate (CO_3)	Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Boron (B)	Fluoride (F)	Silica (SiO_2)	TDS mg/l (ppm)	Hardness as $CaCO_3$ mg/l (ppm): Total	N C	Percent Sodium
CENTRAL COASTAL REGION (NO. 3) (CONT.)																						
City of Pacific Grove	9-10-66	24 Hour	1.5	/ 7.2	1020	/ 2.98 a		98 / 4.26						101 / 2.85	0.0 / 0.00	0.8			425	149		59
City of Salinas Plant No. 1	6- 8-66	24 Hour	7.5	/ 7.5	1550	/ 7.15 a		158 / 6.87						217 / 6.12	11.1 / 0.18	0.4			890	358		49
	9- 8-66	24 Hour	7.7	/ 7.4	1800	/ 7.79 a		282 / 12.27						279 / 7.87	0.4 / 0.01	0.7			1000	390		61
City of Salinas Plant No. 2 (Alisal)	6- 8-66	24 Hour	1.0*	/ 7.4	1020	/ 3.80 a		123 / 5.35						131 / 3.70	97.5 / 1.57	0.3			657	190		58
	9- 8-66	24 Hour	1.0*	/ 7.1	1040	/ 3.60 a		112 / 4.87						140 / 3.95	1240 / 20.00	0.4			589	180		57
City of Salinas - Industrial	6- 2-67 / 0930	Grab	1.5	/ 8.8	2000	141 / 7.04	70 / 5.79	178 / 7.74	14 / 0.36		57 / 1.90	381 / 6.24	324 / 6.74	228 / 6.43	0.2 / 0.00	0.4			1310	642	236	37
City of San Juan Bautista	6- 1-67 / 0900	Grab	0.1*	/ 8.7	2510	129 / 6.44	35 / 2.89	306 / 13.31	13 / 0.33		39 / 1.30	420 / 6.88	90 / 1.87	457 / 2.89	0.0 / 0.00	0.9			1410	467	59	58
City of Santa Cruz	9-12-66	24 Hour	---	/ 7.2	1870	/ 4.97 a		246 / 10.70						305 / 8.60	2.7 / 0.04	0.7			960	246		68
Seaside County Sanitation District	9-10-66	24 Hour	1.3	/ 7.7	1910	/ 5.31 a		228 / 9.92						306 / 8.63		0.6			895	266		65
City of Soledad	9- 8-66 / 1600	Grab	0.2*	/ 8.0	2260	/ 11.71 a		224 / 9.74						353 / 9.96	0.0 / 0.00	0.8			1340	586		45
Soledad, California Correctional Training Facility	9- 7-66	24 Hour	0.6	/ 7.2	2450	/ 5.87 a		368 / 16.01						574 / 16.19	1.8 / 0.03	0.4			1310	294		73
Tres Pinos County Water District	9-15-66 / 1330	Grab	0.01*	/ 9.5	5080	/ 14.40 a		885 / 38.50						941 / 26.54	0.9 / 0.01	4.0			3170	721		73
City of Watsonville	9-14-66	24 Hour	6.9	/ 7.6	1180	/ 4.10 a		137 / 5.96						165 / 4.65	0.9 / 0.01	0.2			601	205		59
Western Pacific Sanitation Company (Toro Park)	6- 2-67 / 0545	Grab	0.03	/ 8.5	1340	30 / 1.50	18 / 1.40	194 / 8.44	19 / 0.48		11 / 0.37	315 / 5.16	57 / 1.08	193 / 5.44	0.1 / 0.00	1.2			822	148	0	71

* Estimated Flow
a Sum of Calcium and Magnesium in epm.

TABLE F-5

ANALYSES OF WASTE WATER

PART 2

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)								Organics mg/l (ppm)				Nutrients mg/l (ppm)						
				Aluminum (Al)	Arsenic (As)	Chromium (Hex) (Cr^{+6})	Copper (Cu)	Lead (Pb)	Manganese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfactants (apparent) ABS	Grease and oil	Phenolic material (C_6H_5OH)	BOD (5 day)	Ammonia (N)	Nitrite (N)	Nitrate (N)	Organic (N)	Ammonia and organic (N)	Ortho phosphate (PO_4)	Total phosphate
NORTH COASTAL REGION (NO. 1)																						
City of Cloverdale	10-27-65	24 Hour	0.2									2.1						3.2		18		42
	4-12-66	24 Hour	0.8									0.8						5.4		8.3		1.8
City of Healdsburg	10-27-65	24 Hour	0.5*									0.6						4.4		17		37
	4-12-66	24 Hour	0.6									1.8						2.6		24		35
Mendocino State Hospital	10-26-65	24 Hour	0.3									0.6						5.2		2.6		12
City of Santa Rosa West College Avenue Plant	10-27-65	24 Hour	5.9									2.6						0.2		34		34
	4-13-66	24 Hour	7.0									3.9						0.2		26		25
City of Sebastopol	11- 2-65	24 Hour	0.4									5.7						0.1		31		35
	4-13-66	24 Hour	0.4*									3.1						0.2		30		32
City of Ukiah	10-26-65	24 Hour	1.2									2.6						2.3		24		38
	4-11-66	24 Hour	1.9									0.3						3.7		14		17
SAN FRANCISCO BAY REGION (NO. 2)																						
City of Burlingame	9-27-67 0900-1500	6 Hour	2.2 m									6.2						0.2		45		25
C and H Sugar Refinery	1-20-66	24 Hour	0.6 m									0.1						0.2		0.7		0.6
Central Contra Costa Sanitary District	1-17-66	24 Hour	17.2 m									4.2						0.4		30		38
East Bay Municipal Utility District	7-1-65 thru 6-30-66	24 Hour	76.4 y	6.4 y		0.2 y					5.4 y	6.4	39 y	< 0.1 y	249 y	16.3 y	0.2 y	1.5 y				27 y
	7-1-66 thru 7-31-66	24 Hour	68.3 m										21 m		251 m							
	8-1-66 thru 8-31-66	24 Hour	82.2 m	5.4 m		0.1 m					2.1 m		4 m	0.1	334 m							23 m
	9-1-66 thru 9-30-66	24 Hour	79.7 m	1.5		< 0.1					3.8		12 m	< 0.1	290 m	13.1	0.1	0.8				27
	10-1-66 thru 10-31-66	24 Hour	75.2 m										24		220 m	12.8	0.2	1.0				
	11-1-66 thru 11-30-66	24 Hour	82.2 m										26 m		188 m	11.0		2.0				
	12-1-66 thru 12-31-66	24 Hour	91.2 m	3.3 m		< 0.1 m					3.0 m		47 m	< 0.1 m	240 m	13.6 m	0.2 m	4.6 m				14 m
	1-1-67 thru 1-31-67	24 Hour	99.9 m										37 m		215 m							

* Estimated Flow
m Monthly Average
y Yearly Average

TABLE F-5

ANALYSES OF WASTE WATER

PART 2

Source	Date Time Sampled (PST)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm) Aluminum (Al)	Arsenic (As)	Chromium (Hex) (Cr^{+6})	Copper (Cu)	Lead (Pb)	Manganese (Mn)	Zinc (Zn)	Total iron (Fe)	Organics mg/l (ppm) Surfactants (apparent) ABS	Grease and oil	Phenolic material (C_6H_5OH)	BOD (5 day)	Nutrients mg/l (ppm) Ammonia (N)	Nitrite (N)	Nitrate (N)	Organic (N)	Ammonia and organic (N)	Ortho phosphate (PO_4)	Total phosphate
				SAN FRANCISCO BAY REGION (NO. 2) (CONT.)																		
East Bay Municipal Utility District	2-1-67 thru 2-28-67	24 Hour	83.6 m												221 m							
	3-1-67 thru 3-31-67	24 Hour	97.0 m	0.5 m							2.0 m		38 m	<0.1 m	235 m	12.3 m	0.4 m	1.1 m				20 m
	4-1-67 thru 4-30-67	24 Hour	106.3 m	0.7 m		0.2					0.4 m	2.4	77 m	0.2 m	186 m	14.2 m	0.3 m	0.8 m				32 m
	5-1-67 thru 5-31-67	24 Hour	78.4 m	6.6 m		0.1					1.9 m		43 m	<0.1 m	241 m	15.8 m	0.2 m	0.8 m				23 m
	6-1-67 thru 6-30-67	24 Hour	78.9 m	<0.1 m		<0.1 m					19.6 m		34 m	0.1 m	208 m							24 m
	7-1-66 thru 6-30-67	24 Hour	85.3 y	2.6 y		0.1 y					4.7 y	2.4	33 y	0.1 y	236 y	13.3 y	0.2 y	1.6 y				23 y
	7-1-67 thru 7-31-67	24 Hour	74.8 m	2.4 m		<0.1 m					6.0 m		14 m	<0.1 m	201 m							56 m
	8-1-67 thru 8-31-67	24 Hour	78.8 m	0.4 m		0.4 m					4.8 m		15 m	<0.1 m	296 m	15.8 m	0.2 m	0.8 m				53 m
	9-1-67 thru 9-30-67	24 Hour	82.7 m	10.8 m		<0.1 m					5.6 m		37 m	<0.1 m	349 m	15.4 m	0.1 m	0.6 m				34 m
City of Hayward	8-28-67	24 Hour	14.1 m												>153	0.0		0.2	17			
Las Gallinas Valley Sanitary District	1-18-66	24 Hour	1.9 m									1.6						0.3		29		31
Milpitas Sanitary District	8-24-67	24 Hour	2.2 y												18	2.5		11	2.5			
Oro Loma Sanitary District	8-24-67	24 Hour	11.7 m												136	20		0.1	8.4			
City of Redwood City	9-27-67	24 Hour	6.1 m									4.6								36		40
Cities of San Carlos and Belmont	9-27-67	7 Hour	5.3 m									4.3						0.8		37		24
City and County of San Francisco North Point Plant	8-30-67	24 Hour	56.1 m												150	12		0.3	8.0			
City and County of San Francisco Southeast Plant	8-30-67	24 Hour	16.2 m												248	21		0.3	17			
City of San Jose	12-21-65	24 Hour	57.9									0.5						0.0		34		34
	7-20-66	24 Hour	69.1									0.2										33
	8-17-66	24 Hour	83.4									0.4						0.1		13		16
	11-2-66	24 Hour	62.0									0.3						0.8		29		35
	8-24-67	24 Hour	88.3												79	5		0.3		14		
City of San Leandro - Domestic	7-25-67	Composite	4.4												169							

m Monthly Average
y Yearly Average

TABLE F-5

ANALYSES OF WASTE WATER

PART 2

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)								Organics mg/l (ppm)				Nutrients mg/l (ppm)						
				Aluminum (Al)	Arsenic (As)	Chromium (Hex) (Cr^{+6})	Copper (Cu)	Lead (Pb)	Manganese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfactants (apparent) ABS	Grease and oil	Phenolic material (C_6H_5OH)	BOD (5 day)	Ammonia (N)	Nitrite (N)	Nitrate (N)	Organic (N)	Ammonia and organic (N)	Ortho phosphate (PO_4)	Total phosphate
				SAN FRANCISCO BAY REGION (NO. 2) (CONT.)																		
City of San Leandro - Domestic	8-2-67	Composite	4.0												278							
City of San Leandro - Industrial	7-25-67	Composite	3.4												177							
	8-2-67	Composite	4.2												340							
City of San Leandro - Domestic and Industrial	8-10-67	Composite	7.7										25.6		223							
City of San Mateo	9-5-67	24 Hour	8.6 m													22		0.1	10			
Shell Chemical, Pittsburg Plant	3-24-66 / 1115	Grab	14 m									0.1						0.7		44		2.6
Cities of South San Francisco and San Bruno	8-31-67	24 Hour	8.9 m												58	39		0.3	10			
Stege Sanitary District	7-1-65 thru 6-30-66	Composite	3.7 y										40 y		126 y							
	7-1-66 thru 6-30-67	Grab & Composite	4.2 y										46 y		123 y							
City of Sunnyvale	8-24-67	24 Hour	14.5 m												96	14		0.3	5.8			
Travis Air Force Base	1-18-66	24 Hour	1.2 m									3.7						0.1		35		31
Union Sanitary District Newark Plant (No. 1)	8-24-67	24 Hour	3.4 m												100	20		0.3	5.5			
Union Sanitary District Alvarado Plant (No. 3)	8-24-67	24 Hour	1.3 m												16	15		0.2	5.0			

m Monthly Average
y Yearly Average

TABLE F-5

ANALYSES OF WASTE WATER

PART 2

Source	Date / Time Sampled (P S T)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)								Organics mg/l (ppm)				Nutrients mg/l (ppm)						
				Aluminum (Al)	Arsenic (As)	Chromium (Hex) (Cr^{+6})	Copper (Cu)	Lead (Pb)	Manganese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfactants (apparent) ABS	Grease and oil	Phenolic material (C_6H_5OH)	BOD (5 day)	Ammonia (N)	Nitrite (N)	Nitrate (N)	Organic (N)	Ammonia and organic (N)	Ortho phosphate (PO_4)	Total phosphate
CENTRAL COASTAL REGION (NO. 3)																						
Aptos County Sanitation District	9-21-65	24 Hour	0.4												134							
	5- 9-66	8 Hour	0.3												150							
	9-13-66	24 Hour	0.4									4.9			162			0.1		50		48
	5-23-67	24 Hour	0.3												117							
Bear Creek Estates	9-20-65	24 Hour	0.03												20							
	9-12-66	24 Hour	0.03												100							
Carmel Sanitary District	9-17-65	24 Hour	1.0												75							
	5-12-66	8 Hour	0.8												175							
	9-10-66	24 Hour	1.3									3.8			119			0.2		37		36
	5-18-67	24 Hour	1.1												118							
Castroville County Sanitation District	9-15-66	24 Hour	0.3									5.2			83			0.3		50		50
Chular County Sanitation District	6- 2-67 / 0900	Grab	0.02												125							
East Cliff County Sanitation District	9-21-65	24 Hour	1.8												175							
	5- 9-66	8 Hour	2.2												235							
	9-13-66	24 Hour	1.1												191			0.3		45		
	5-23-67	24 Hour	1.2												174							
Fort Ord Main - Garrison	9-14-66	24 Hour	---	0.12	0.00		0.13	0.01	0.05	0.15	1.1				124			0.1		41		
City of Gilroy - Domestic	9-23-65	24 Hour	0.6*												190							
	5-19-66	24 Hour	0.6*												162							
	9-16-66	24 Hour	0.6*									5.0			223			0.1		33		42
	5-31-67	24 Hour	0.3*												89							
City of Gilroy - Industrial	9-23-65 / 1330	Grab	4.0*												334							
	9-22-66 / 1000	Grab	4.0*									0.1			516			1.1		25		5.2
City of Gonzales	9-13-65 / 1030	Grab	0.2*												74							
	9- 8-66 / 1630	Grab	0.2*									0.6			34			0.2		13		22

* Estimated Flow

TABLE F-5

ANALYSES OF WASTE WATER

PART 2

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)								Organics mg/l (ppm)				Nutrients mg/l (ppm)						
				Aluminum (Al)	Arsenic (As)	Chromium (Hex) (Cr^{+6})	Copper (Cu)	Lead (Pb)	Manganese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfactants (apparent) ABS	Grease and oil	Phenolic material (C_6H_5OH)	BOD (5 day)	Ammonia (N)	Nitrite (N)	Nitrate (N)	Organic (N)	Ammonia and organic (N)	Ortho phosphate (PO_4)	Total phosphate
				CENTRAL COASTAL REGION (NO. 3) (CONT.)																		
City of Greenfield	9-13-65 / 1100	Grab	0.2*												110							
	9- 8-66 / 1530	Grab	0.2*									2.0			128			0.0		52		36
City of Hollister - Domestic	9-23-65	24 Hour	0.6												191							
	5-18-66	24 Hour	0.5												235							
	9-15-66	24 Hour	0.6									4.7			190			0.1		44		43
	5-31-67	24 Hour	0.5*												160							
City of Hollister - Industrial	9-23-65 / 1400	Grab	5.0*												855			0				
	9-15-66 / 1345	Grab	6-6.5*									0.2			840			0.9		40		12
City of King City	9-13-65	24 Hour	0.3												49							
	5-16-66	24 Hour	0.3*												53							
	9- 6-66	24 Hour	0.4									0.9			62			0.1		29		42
	5-16-67	24 Hour	0.4												144							
City of King City Airport	9-13-65	24 Hour	0.1*												18							
	9- 6-66	24 Hour	0.1*									0.2			26			129	1.6			8.9
City of Monterey	9-16-65	24 Hour	2.6												154							
	5-13-66	8 Hour	2.4												170							
	9- 9-66	24 Hour	2.4*									0.3										33
	9-21-66	24 Hour	2.5												177			0.4		31		
	5-17-67	24 Hour	2.9	0.33	0.00		0.18	0.03	0.01	0.39	0.64											
	5-22-67	24 Hour	2.8												160							
City of Morgan Hill	9-24-65	24 Hour	0.3												46							
	5-19-66	24 Hour	0.3*												64							
	9-16-66	24 Hour	0.3									2.0			74			0.8		29		52
	5-31-67	24 Hour	0.3*												30							
City of Pacific Grove	9-17-65	24 Hour	1.4												112							
	9-10-66	24 Hour	1.5									6.8			173			0.0		42		44
	5-18-67	24 Hour	1.6												104							

* Estimated Flow

TABLE F-5

ANALYSES OF WASTE WATER

PART 2

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)								Organics mg/l (ppm)				Nutrients mg/l (ppm)						
				Aluminum (Al)	Arsenic (As)	Chromium (Hex) (Cr^{+6})	Copper (Cu)	Lead (Pb)	Manganese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfactants (apparent) ABS	Grease and oil	Phenolic material (C_6H_5OH)	BOD (5 day)	Ammonia (N)	Nitrite (N)	Nitrate (N)	Organic (N)	Ammonia and organic (N)	Ortho phosphate (PO_4)	Total phosphate
				CENTRAL COASTAL REGION (NO. 3) (CONT.)																		
City of Salinas Plant No. 1	9-15-65	24 Hour	5.0*												> 84							
	6- 8-66	24 Hour	7.5									0.6			40					24		26
	9- 8-66	24 Hour	7.7									1.8			34			0.1		17		26
	12-7-66 / 0615	Grab	---												6.8							
	3- 1-67 / 0400	Grab	---												9.1							
	3- 7-67 / 0400	Grab	---												24							
	6- 1-67	24 Hour	6.4												31							
	7-19-67 / 0415	Grab	---												18							
City of Salinas Plant No. 2 (Alisal)	9-14-65	24 Hour	1.0*												38							
	6- 8-66	24 Hour	1.0*									0.8			31			22		11		44
	9- 8-66	24 Hour	1.0*									0.6			15			280		14		55
	12-7-66 / 1255	Grab	---												21							
	3- 1-67 / 0225	Grab	---												27							
	3- 7-67 / 0220	Grab	---												25							
	6- 1-67	24 Hour	1.0												14							
	7-19-67 / 0230	Grab	---												27							
City of Salinas - Industrial	6- 2-67 / 0930	Grab	1.5												9							
City of San Juan Bautista	5-11-67 / 0800	Grab	0.1*												14							
	6- 1-67 / 0900	Grab	0.1*												36			0.0				
City of Santa Cruz	9-20-65	24 Hour	3.9												290							
	5- 9-66	24 Hour	2.8												135							
	9-12-66	24 Hour	---									1.7			310			0.6		27		16
	5-23-67	24 Hour	5.2												123							

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 2

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	Heavy Metals mg/l (ppm)								Organics mg/l (ppm)				Nutrients mg/l (ppm)						
				Aluminum (Al)	Arsenic (As)	Chromium (Hex) (Cr^{+6})	Copper (Cu)	Lead (Pb)	Manganese (Mn)	Zinc (Zn)	Total iron (Fe)	Surfactants (apparent) ABS	Grease and oil	Phenolic material (C_6H_5OH)	BOD (5 day)	Ammonia (N)	Nitrite (N)	Nitrate (N)	Organic (N)	Ammonia and organic (N)	Ortho phosphate* (PO_4)	Total phosphate
				CENTRAL COASTAL REGION (NO. 3) (CONT.)																		
Seaside County Sanitation District	9-16-65	24 Hour	1.5												152							
	5-10-66	8 Hour	1.3												165							
	9-10-66	24 Hour	1.3									0.6										42
	9-21-66	24 Hour	1.4												167			0.4		44		
	5-21-67	24 Hour	1.5												186							
City of Soledad	9-21-65 / 1130	Grab	0.2*												39							
	9- 8-66 / 1600	Grab	0.2*									0.6			78			0.0		28		14
Soledad, California Correctional Training Facility	9-14-65	24 Hour	0.6												9.4							
	5-16-66	24 Hour	0.5												95							
	9- 7-66	24 Hour	0.6									1.5			24			0.4		16		36
	5-16-67	24 Hour	0.5												31							
Tres Pinos County Water District	9-23-65 / 1200	Grab	0.01*												> 100							
	9-15-66 / 1330	Grab	0.01*									4.6			49			0.2				8.8
City of Watsonville	9-22-65	24 Hour	5.8												241							
	5-11-66	24 Hour	5.4												168							
	9-14-66	24 Hour	6.9									0.8			241			0.2		15		11
	5-23-67	24 Hour	6.7												155							
Western Pacific Sanitation Company (Toro Park)	6- 2-67 / 0545	Grab	0.03												46							

* Estimated Flow

TABLE F-5
ANALYSES OF WASTE WATER
PART 3

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (ml/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)		Remarks
					SAN FRANCISCO BAY REGION (NO. 2)				
East Bay Municipal Utility District	7-1-65 thru 6-30-66	24 Hour	76.4 y	0.5 y	154 y	1164 y	371 y		
	7-1-66 thru 7-31-66	24 Hour	68.3 m	0.1 m,c	119 m,c	1218 m,c	448 m,c		
	8-1-66 thru 8-31-66	24 Hour	82.2 m	0.2 m,c	121 m,c				
	9-1-66 thru 9-30-66	24 Hour	79.7 m	0.1 m,c	121 m,c	1393 m,c	464 m,c		
	10-1-66 thru 10-31-66	24 Hour	75.2 m	0.1 m,c	124 m,c	1036 c	429 c		
	11-1-66 thru 11-30-66	24 Hour	82.2 m	0.2 m,c	168 m,c	2143 m,c	466 m,c		
	12-1-66 thru 12-31-66	24 Hour	91.2 m	0.3 m,c	183 m,c	837 m,c	510 m,c		
	1-1-67 thru 1-31-67	24 Hour	99.9 m	0.4 m,c	175 m,c	1096 m,c	311 m,c		
	2-1-67 thru 2-28-67	24 Hour	83.6 m	0.6 m,c	176 m,c	1024 m,c	263 m,c		
	3-1-67 thru 3-31-67	24 Hour	97.0 m	0.3 m,c	140 m,c	1052 m,c	278 m,c		
	4-1-67 thru 4-30-67	24 Hour	106.5 m	0.4 m,c	142 m,c	914 m,c	357 m,c		
	5-1-67 thru 5-31-67	24 Hour	78.4 m	0.4 m,c	156 m,c	920 m,c	318 m,c		
	6-1-67 thru 6-30-67	24 Hour	78.9 m	0.2 m,c	118 m,c	1137 m,c	396 m,c		
	7-1-66 thru 6-30-67	24 Hour	85.3 y	0.3 y,c	145 y,c	1161 y,c	385 y,c		
	7-1-67 thru 7-31-67	24 Hour	74.8 m	0.1 m,c	112 m,c	817 m,c	267 m,c		

c Contains Digested Sludge
m Monthly Average
y Yearly Average

TABLE F-5

ANALYSES OF WASTE WATER

PART 3

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (ml/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)		Remarks
				SAN FRANCISCO BAY REGION (NO. 2) (CONT.)					
East Bay Municipal Utility District (Cont.)	8-1-67 thru 8-31-67	24 Hour	78.8 m	0.1 m,c	112 m,c	843 m,c	383 m,c		
	9-1-67 thru 9-30-67	24 Hour	82.7 m	0.3 m,c	135 m,c	1054 m,c	499 m,c		
City of San Jose	7-20-66	Effluent 24 Hour	69.1						Pesticides: Complex chlorinated compounds as DDT = 3500 ppt; Heptachlor, Dieldrin, ppDDD, and ppDDT present
	8-1-66 / 1100	Influent Grab	71.5						Pesticides: Chlorinated compounds as DDT = 40000 ppt
	8-17-66	Influent 24 Hour	83.4						Pesticides: Complex chlorinated compounds as DDT = 4700 ppt
	8-31-66	Influent 24 Hour	85.2						Pesticides: Unknown as DDT = 400 ppt; Unknown as DDT = 170 ppt; Heptachlor Epoxide = 100 ppt; Dieldrin = 38 ppt; ppDDD = 37 ppt
	9-21-66	Influent 24 Hour	79.2						Pesticides: Complex chlorinated compounds as DDT = 58000 ppt
	9-21-66	Effluent 24 Hour	79.2						Pesticides: Complex chlorinated compounds as DDT = 5840 ppt
	10-5-66	Effluent 24 Hour	71.6						Pesticides: Complex chlorinated compounds as DDT = 1500 ppt
	10-19-66	Influent 24 Hour	65.2						Pesticides: Complex chlorinated compounds as DDT = 1900 ppt
	11-2-66	Influent 24 Hour	62.0						Pesticides: Complex chlorinated compounds as DDT = 2900 ppt

c Contains Digested Sludge
m Monthly Average

TABLE F-5

ANALYSES OF WASTE WATER
PART 3

Source	Date / Time Sampled (P S T)	Type of Sample	Flow (mg d)	Settleable Solids (ml/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)		Remarks
				SAN FRANCISCO BAY REGION (NO. 2) (CONT.)					
City of San Jose (Cont.)	11-17-66	Influent 24 Hour	58.6						Pesticides: Complex chlorinated compounds as DDT = 23000 ppt
	11-17-66	Digested Sludge Grab							Pesticides: Unknown as DDT = 23600 ppt
	11-17-66	Effluent 24 Hour	58.6						Pesticides: BHC like = 85 ppt
City of San Leandro - Domestic	7-25-67	Composite	4.4	0.1	48				
	8-2-67	Composite	4.0	0.1	88				
City of San Leandro - Industrial	7-25-67	Composite	3.4	0.0	52				
	8-2-67	Composite	4.2	0.0	84				
City of San Leandro - Domest'- and Industrial	8-10-67	Composite	7.7	0.1	92				
Stege Sanitary District	7-1-65 thru 6-30-66	Grab and Composite	3.7 y	0.4 y	83 y	1559 y			
	7-1-66 thru 6-30-67	Grab and Composite	4.2 y	0.5 y	82 y	1517 y			
				CENTRAL COASTAL REGION (NO. 3)					
Aptos County Sanitation District	9-21-65	24 Hour	0.4	0.1	92				
	5-9-66	8 Hour	0.3	1.0	110				
	9-13-66	24 Hour	0.4	0.1	114				
	5-23-67	24 Hour	0.3	< 0.1	78				
Bear Creek Estates	9-20-65	24 Hour	0.03	< 0.1	21				
	9-12-66	24 Hour	0.03	40	168				

y Yearly Average

TABLE F-5

ANALYSES OF WASTE WATER

PART 3

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (ml/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)		Remarks
					CENTRAL COASTAL REGION (NO. 3) (CONT.)				
Carmel Sanitary District	9-17-65	24 Hour	1.0	< 0.1	70				
	5-12-66	8 Hour	0.8	0.5	102				
	9-10-66	24 Hour	1.3	0.1	52				
	5-18-67	24 Hour	1.1	0.1	72				
Castroville County Sanitation District	9-22-65	24 Hour	0.4	0.1	74				
	9-15-66	24 Hour	0.3	0.2	112				
Chular County Sanitation District	6-2-67 / 0900	Grab	0.02	< 0.1	70				
East Cliff County Sanitation District	9-21-65	24 Hour	1.8	0.1	148				
	5-9-66	8 Hour	2.2	0.1	172				
	9-13-66	24 Hour	1.1	0.3	138				
	5-23-67	24 Hour	1.3	< 0.1	132				
Fort Ord Main - Garrison	9-14-66	24 Hour	--	< 0.1	72				
City of Gilroy - Domestic	9-23-65	24 Hour	0.6*	1.5	108				
	5-19-66	24 Hour	0.6*	3.5	138				
	9-16-66	24 Hour	0.6*	0.4	98				
	5-31-67	24 Hour	0.3*	1.2	74				
City of Gilroy - Industrial	9-23-65 / 1330	Grab	4.0*	18	618				
	9-22-66 / 1000	Grab	4.0*	55	350				
City of Gonzales	9-13-65 / 1030	Grab	0.2*	0.5	227				
	9-8-66 / 1630	Grab	0.2*	< 0.1	92				

* Estimated Flow

TABLE F-5

ANALYSES OF WASTE WATER

PART 3

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (ml/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)		Remarks
					CENTRAL COASTAL REGION (NO. 3) (CONT.)				
City of Greenfield	9-13-65 / 1100	Grab	0.2*	< 0.1	247				
	9-8-66 / 1530	Grab	0.2*	1.0	204				
City of Hollister - Domestic	9-23-65	24 Hour	0.6	< 0.1	106				
	5-18-66	24 Hour	0.5	1.0	116				
	9-15-66	24 Hour	0.6	1.0	150				
	5-31-67	24 Hour	0.5*	0.5	98				
City of Hollister - Industrial	9-23-65 / 1400	Grab	5.0*	200	536				Pesticides: ppDDE = 33 ppt ppDDD = 45 ppt ppDDT = 206 ppt
	9-15-66 / 1345	Grab	6-6.5*	128	512				
City of King City	9-13-65	24 Hour	0.3	0.5	55				
	5-16-66	24 Hour	0.3*	1.5	92				
	9-6-66	24 Hour	0.4	0.7	88				
	5-16-67	24 Hour	0.4	0.5	148				
City of King City - Airport	9-13-65	24 Hour	0.1*	< 0.1	20				
	9-6-66	24 Hour	0.1*	< 0.1	48				
City of Monterey	9-16-65	24 Hour	2.6	< 0.1	70				
	5-13-66	8 Hour	2.4	0.1	70				
	9-21-66	24 Hour	2.5	0.1	94				
	5-22-67	24 Hour	2.8	< 0.1	124				

* Estimated Flow

TABLE F-5

ANALYSES OF WASTE WATER

PART 3

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (ml/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)		Remarks
					CENTRAL COASTAL REGION (NO. 3) (CONT.)				
City of Morgan Hill	9-24-65	24 Hour	0.3	< 0.1	19				
	5-19-66	24 Hour	0.3*	0.5	46				
	9-16-66	24 Hour	0.3	< 0.1	4				
	5-31-67	24 Hour	0.3*	0.9	44				
City of Pacific Grove	9-17-65	24 Hour	1.4	< 0.1	90				
	5-11-66	8 Hour	1.3	0.1	106				
	9-10-66	24 Hour	1.5	0.1	94				
	5-18-67	24 Hour	1.6	0.1	60				
City of Salinas - Plant No. 1	9-15-65	24 Hour	5.0*	0.1	56				
	6-8-66	24 Hour	7.5	0.0	24				
	9-8-66	24 Hour	7.7	0.4	46				
	6-1-67	24 Hour	6.4	0.4	24				
City of Salinas - Plant No. 2 (Alisal)	9-14-65	24 Hour	1.0*	0.1	20				
	6-8-66	24 Hour	1.0*	0.0	20				
	9-8-66	24 Hour	1.0*	< 0.1	6				
	6-1-67	24 Hour	1.0	0.1	34				
City of Salinas - Industrial	6-2-67 / 0930	Grab	1.5	0.0	8				
City of San Juan Bautista	5-11-66 / 0800	Grab	0.1*	0.2	38				
	6-1-67 / 0900	Grab	0.1*	< 0.1	104				

* Estimated Flow

TABLE F-5

ANALYSES OF WASTE WATER

PART 3

Source	Date / Time Sampled (PST)	Type of Sample	Flow (mgd)	Settleable Solids (ml/l)	Suspended Solids (mg/l)	Total Solids (mg/l)	Volatile Solids (mg/l)		Remarks
					CENTRAL COASTAL REGION (NO. 3) (CONT.)				
City of Santa Cruz	9-20-65	24 Hour	3.9	0.7	147				
	5-9-66	24 Hour	2.8	3.0	166				
	9-12-66	24 Hour	--	0.2	136				New Plant Under Construction, flow Meter not in Operation
	5-23-67	24 Hour	5.2	1.0	216				
Seaside County Sanitation District	9-16-65	24 Hour	1.5	< 0.1	88				
	5-10-66	8 Hour	1.3	0.8	140				
	9-21-66	24 Hour	1.4	0.2	144				
	5-21-67	24 Hour	1.5	< 0.1	156				
City of Soledad	9-21-65 / 1130	Grab	0.2*	< 0.1	81				
	9-8-66 / 1600	Grab	0.2*	0.3	150				
Soledad, California Correctional Training Facility	9-14-65	24 Hour	0.6	0.1	16				
	5-16-66	24 Hour	0.5	1.0	100				
	9-7-66	24 Hour	0.6	0.1	12				
	5-16-67	24 Hour	0.5	0.3	52				
Tres Pinos County Water District	9-23-65 / 1200	Grab	0.01	0.2	124				
	9-15-66 / 1330	Grab	0.01	0.1	104				
City of Watsonville	9-22-65	24 Hour	5.8	0.1	102				
	5-11-66	24 Hour	5.4	1.0	78				
	9-14-66	24 Hour	6.9	0.7	110				
	5-23-67	24 Hour	6.7	1.0	84				
Western Pacific Sanitation Company (Toro Park)	6-2-67 / 0545	Grab	0.03	0.1	80				

* Estimated Flow

FIGURE F-1

LOCATION OF WASTE DISCHARGERS
CENTRAL COASTAL AREA

Figure F-1 Sheet 3 of 6 - Southern Portion of North Coastal Region (No. 1)

No.	Discharger	No.	Discharger
1	City of Cloverdale	4	City of Santa Rosa
2	City of Healdsburg	5	City of Sebastopol
3	Mendocino State Hospital	6.	City of Ukiah

Figure F-1 Sheet 4 of 6 - San Francisco Bay Region (No. 2)

7	City of Benicia	32	Oro Loma Sanitary District
8	City of Burlingame	33	City of Pacifica, Sharp Park Plant
9	C and H Sugar Refinery	34	City of Pacifica, Linda Mar Plant
10	Central Contra Costa Sanitary District	35	City of Palo Alto
11	Contra Costa Sanitary District No. 7A	36	City of Petaluma
12	City of Concord	37	City of Pinole
13	Crockett-Valona Sanitary District	38	City of Pleasanton
14 E	East Bay Municipal Utility District	39	City of Redwood City
15	Fairfield-Suisun Sewer District	40	City of Richmond
16	City of Hayward	41	Rodeo Sanitary District
17	Las Gallinas Valley Sanitary District	42	Cities of San Carlos-Belmont
18	City of Livermore	43	City and County of San Francisco, McQueen Plant
19	City of Los Altos	44	City and County of San Francisco, North Point Plant
20	Marin County Sanitary District No. 1	45	City and County of San Francisco, Richmond-Sunset Plant
21	Marin County Sanitary District No. 6 Ignacio	46	City and County of San Francisco, Southeast Plant
22	Marin County Sanitary District No. 6 Novato	47	City of San Jose
23	City of Martinez	48	City of San Leandro, Domestic and Industrial
24	Menlo Park Sanitary District	49	City of San Mateo
25	City of Mill Valley	50	San Pablo Sanitary District
26	City of Millbrae	51	San Rafael Sanitation District
27	Milpitas Sanitary District	52	Sausalito-Marin City Sanitary District
28	City of Mountain View	53	Shell Chemical Company, Pittsburg Plant
29	Mountain View Sanitary District	54	Sonoma Valley County Sanitation District
30	Napa Sanitation District		
31	North San Mateo County Sanitation District		

FIGURE F-1

LOCATION OF WASTE DISCHARGERS
CENTRAL COASTAL AREA (Continued)

Figure F-1 Sheet 4 of 6 - San Francisco Bay Region (No. 2) (Continued)

No.	Discharger
55	Cities of South San Francisco and San Bruno
56	Stege Sanitary District
57	City of Sunnyvale
58	Travis Air Force Base
59	Union Sanitary District, Newark Plant No. 1
60	Union Sanitary District, Irvington Plant No. 2
61	Union Sanitary District, Alvarado Plant No. 3
62	Vallejo Sanitation and Flood Control District
63	Valley Community Services District

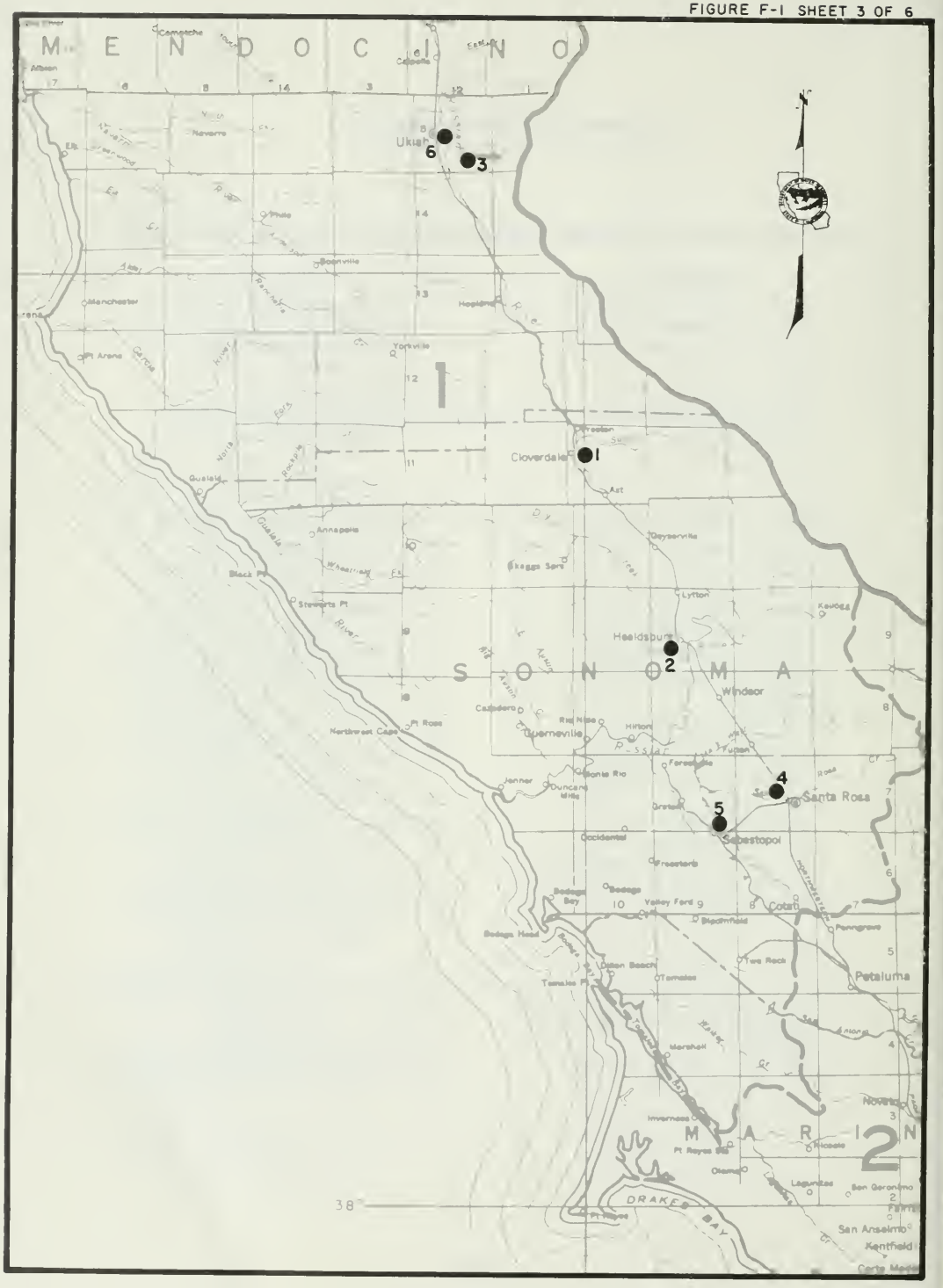
Figure F-1 Sheet 5 of 6 - Northern Portion of Central Coastal Region (No. 3)

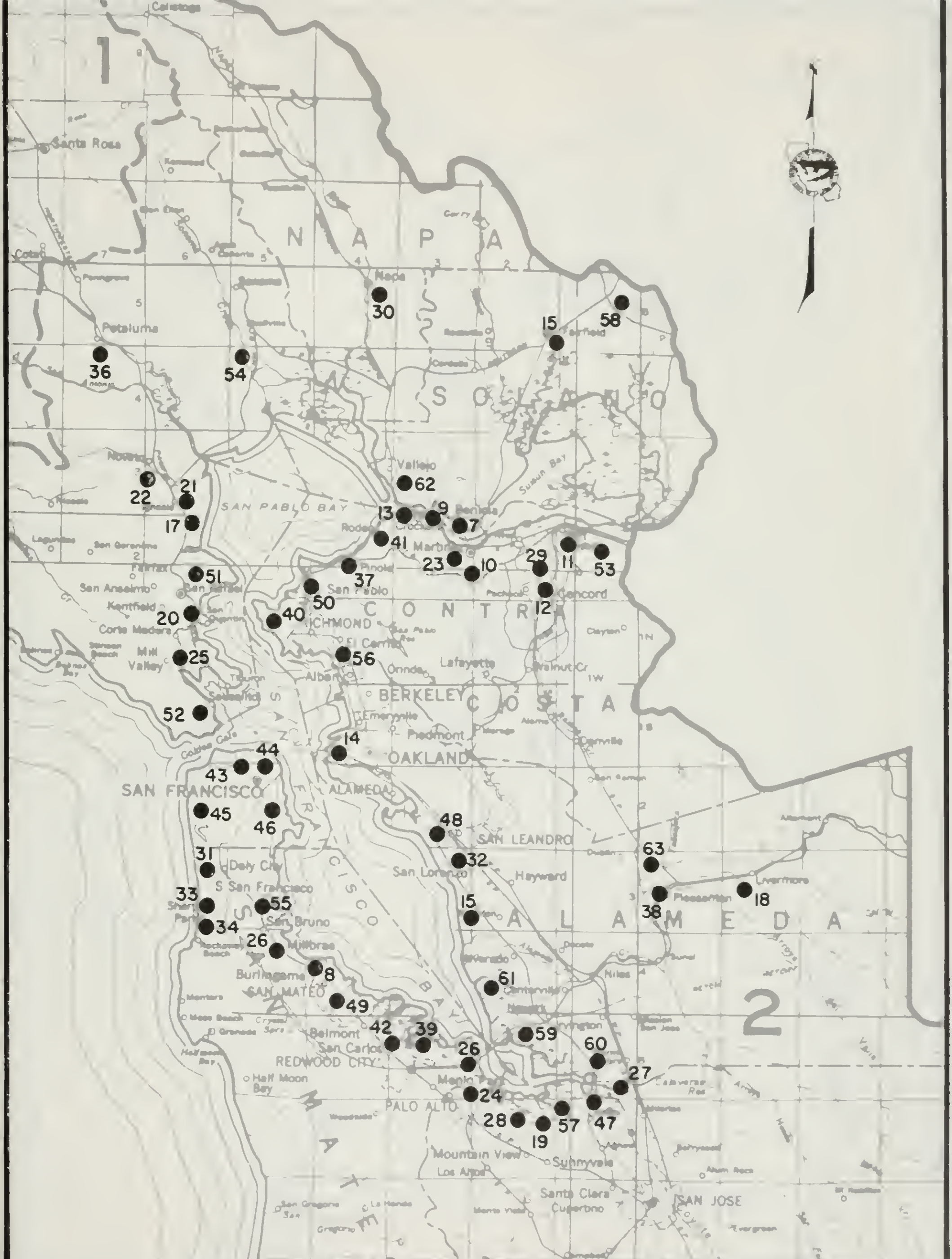
64	Aptos County Sanitation District
65	Bear Creek Estates
66	Carmel Sanitary District
67	Castroville County Sanitation District
68	Chular County Sanitation District
69	East Cliff County Sanitation District
70	Fort Ord, Main Garrison
71	City of Gilroy, Domestic and Industrial
72	City of Gonzales
73	City of Greenfield
74	City of Hollister, Domestic
75	City of Hollister, Industrial
76	City of Monterey
77	City of Morgan Hill
78	City of Pacific Grove
79	City of Salinas, Domestic Plant No. 1
80	City of Salinas, Domestic Plant No. 2
81	City of Salinas, Industrial Plant
82	City of San Juan Bautista
83	City of Santa Cruz
84	Seaside County Sanitation District
85	Soledad State Prison
86	City of Soledad
87	Tres Pinos County Water District
88	City of Watsonville
89	Western Pacific Sanitation Company (Toro Park)

Figure F-1 Sheet 6 of 6 - Middle Portion of Central Coastal Region (No. 3)

90	Atascadero Sewer Maintenance District
91	Atascadero State Hospital
92	City of King City
93	King City Airport
94	City of Paso Robles
95	Paso Robles School for Boys
96	San Miguel Sanitary District

FIGURE F-1 SHEET 3 OF 6

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Napa
Vallejo
Benicia
Fairfield
Novato
San Anselmo
Kentfield
Corte Madera
Mill Valley
Sausalito
San Pablo
Concord
Lafayette
Walnut Cr
BERKELEY
Emeryville
Piedmont
OAKLAND
ALAMEDA
SAN FRANCISCO
SAN LEANDRO
San Lorenzo
Hayward
Daly City
S San Francisco
San Bruno
Millbrae
Burlingame
SAN MATEO
Belmont
San Carlos
REDWOOD CITY
Menlo Park
PALO ALTO
Half Moon Bay
Mountain View
Los Altos
Sunnyvale
Santa Clara
Cupertino
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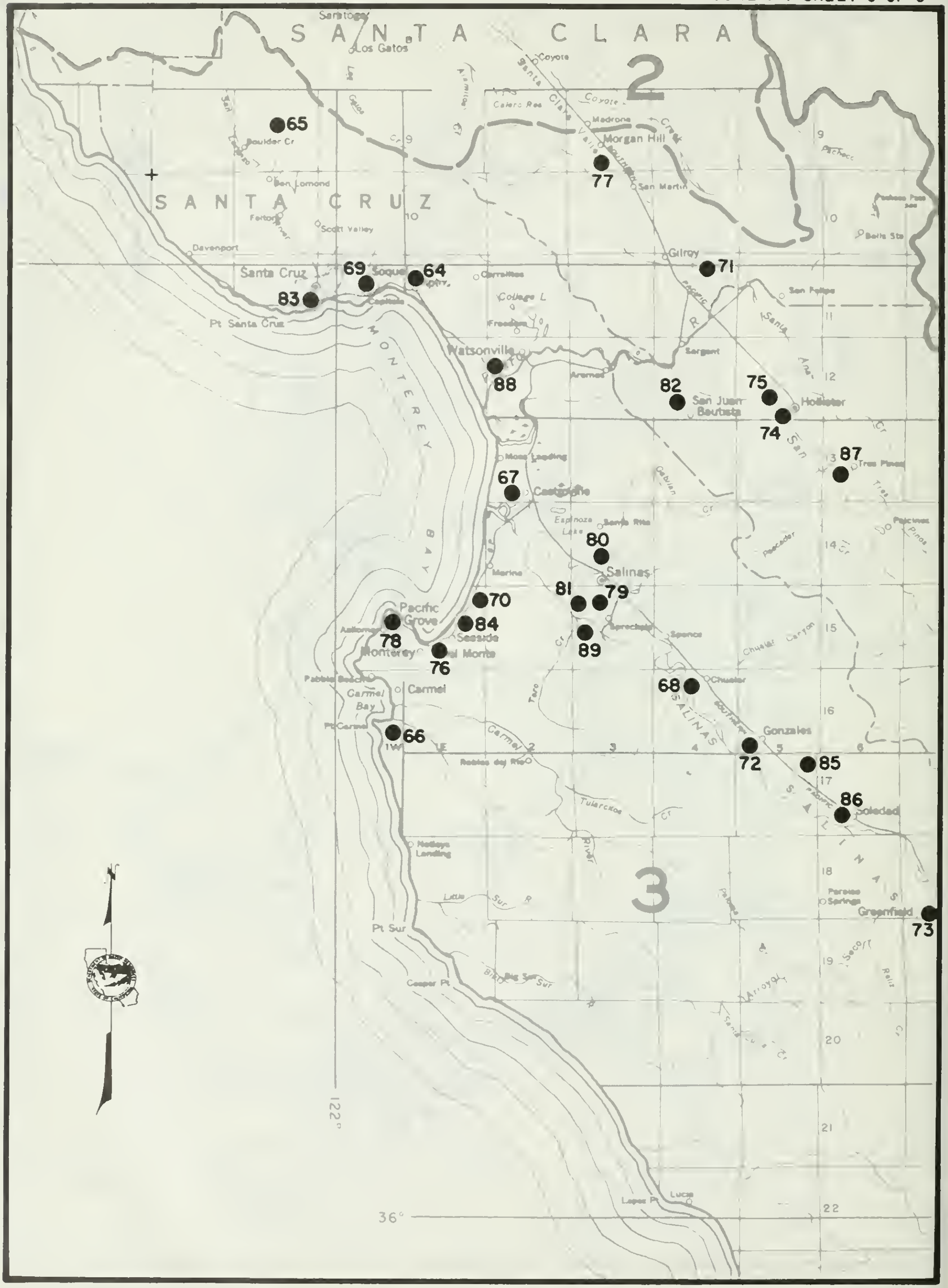
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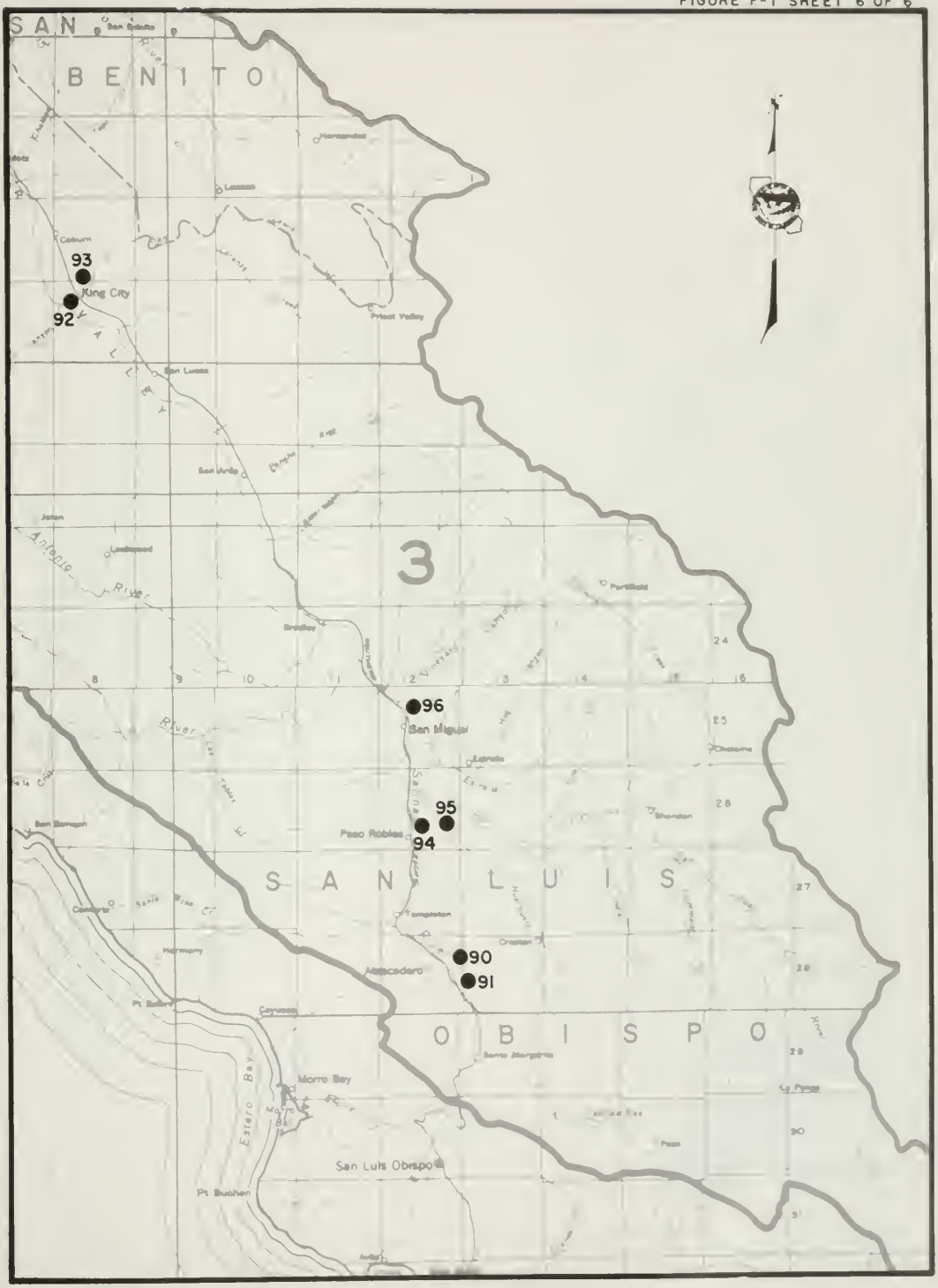
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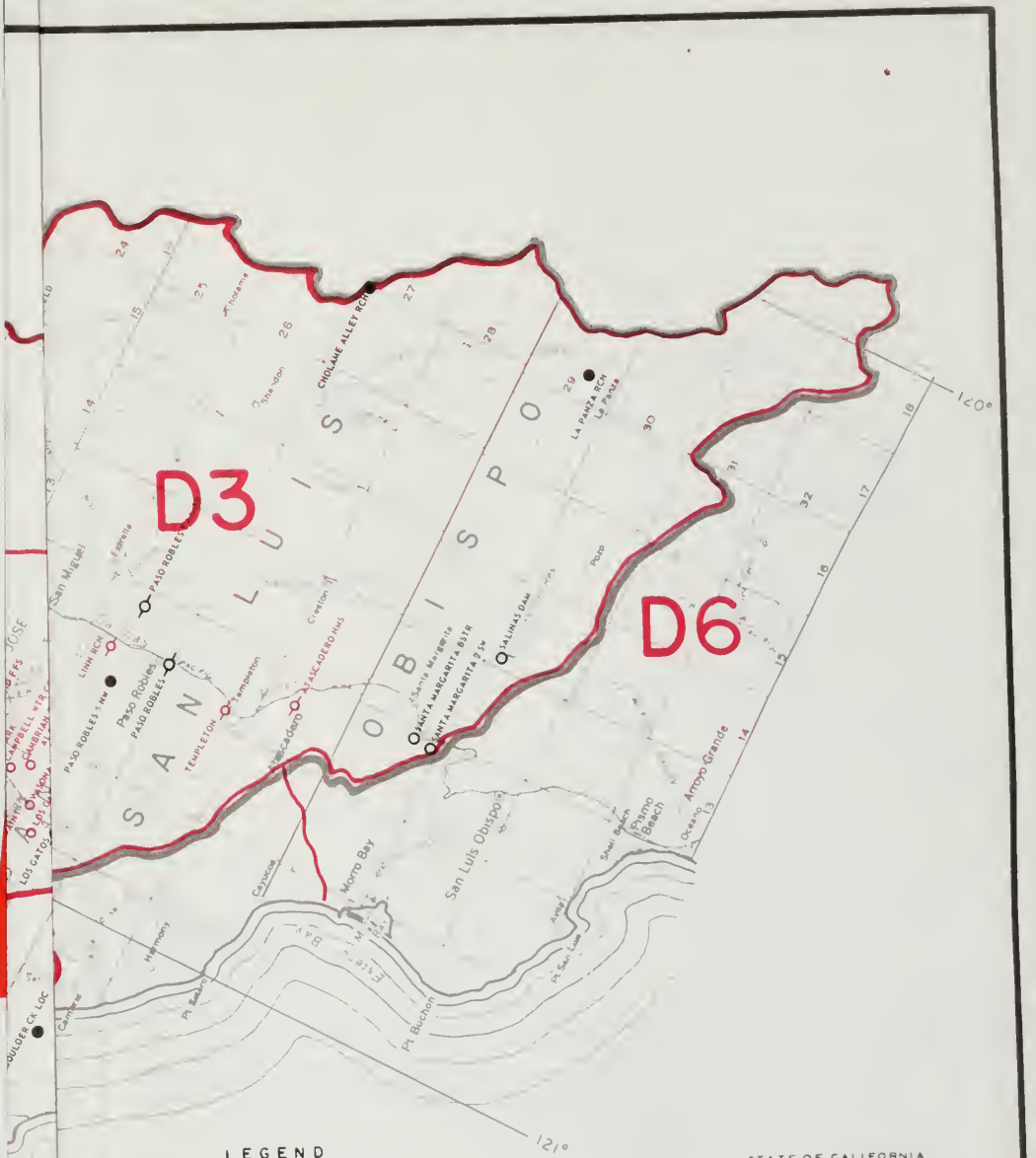
Estero Bay



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- BOTH TYPES

USWB STATIONS SHOWN IN BLACK

OTHER STATIONS SHOWN IN RED

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THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

CLIMATOLOGICAL STATIONS IN THE CENTRAL COASTAL AREA 1967

SCALE OF MILES

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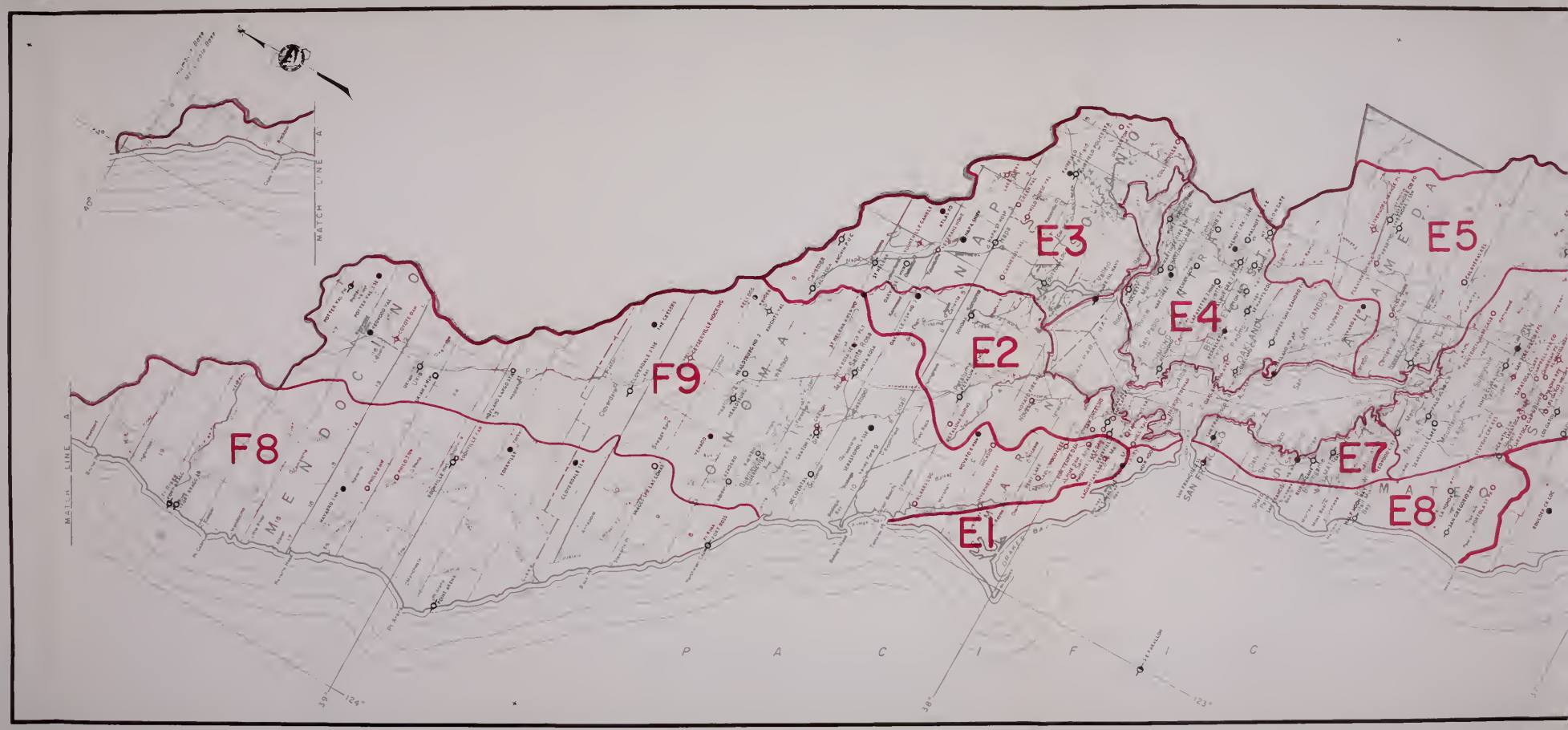
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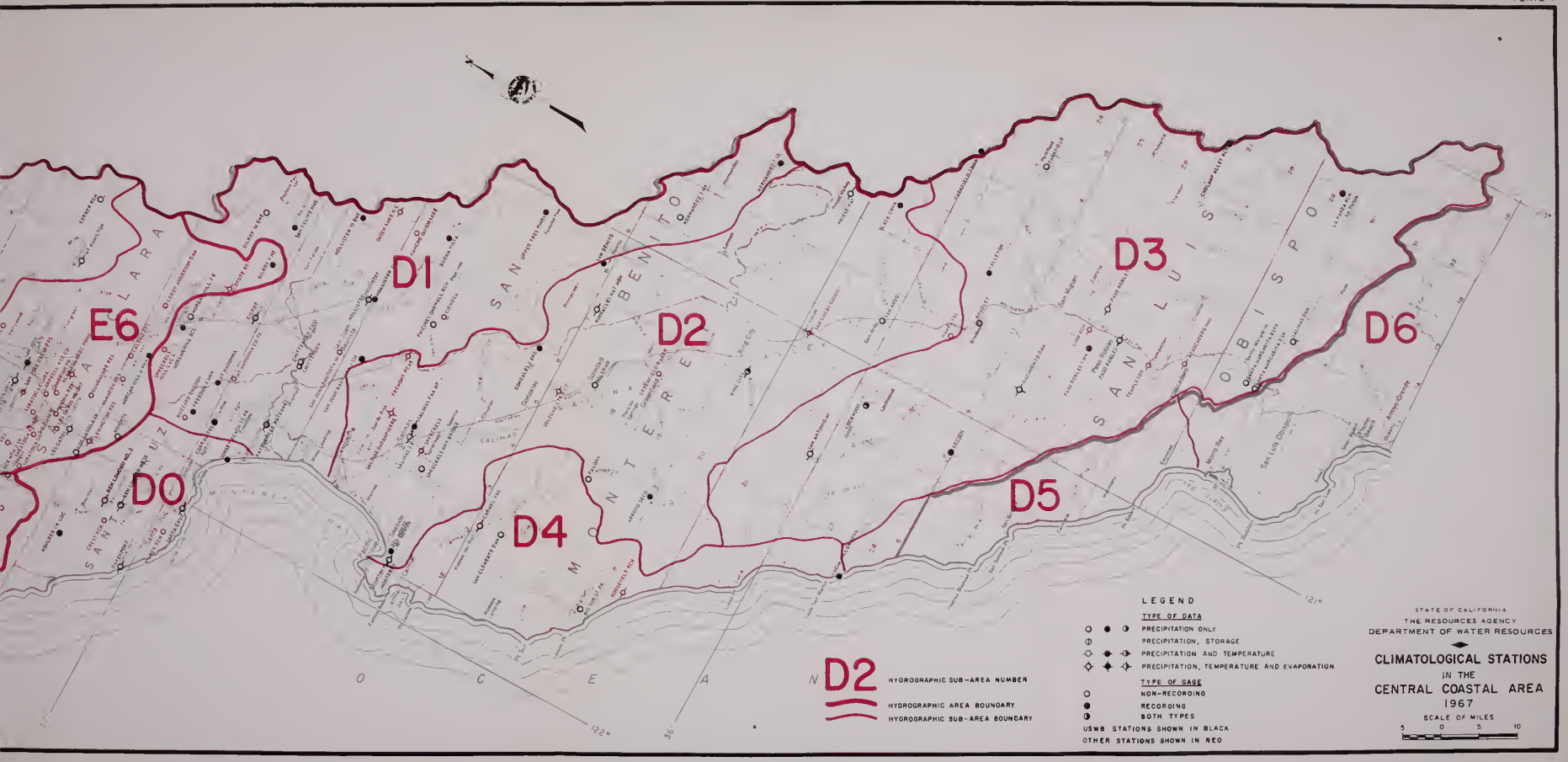
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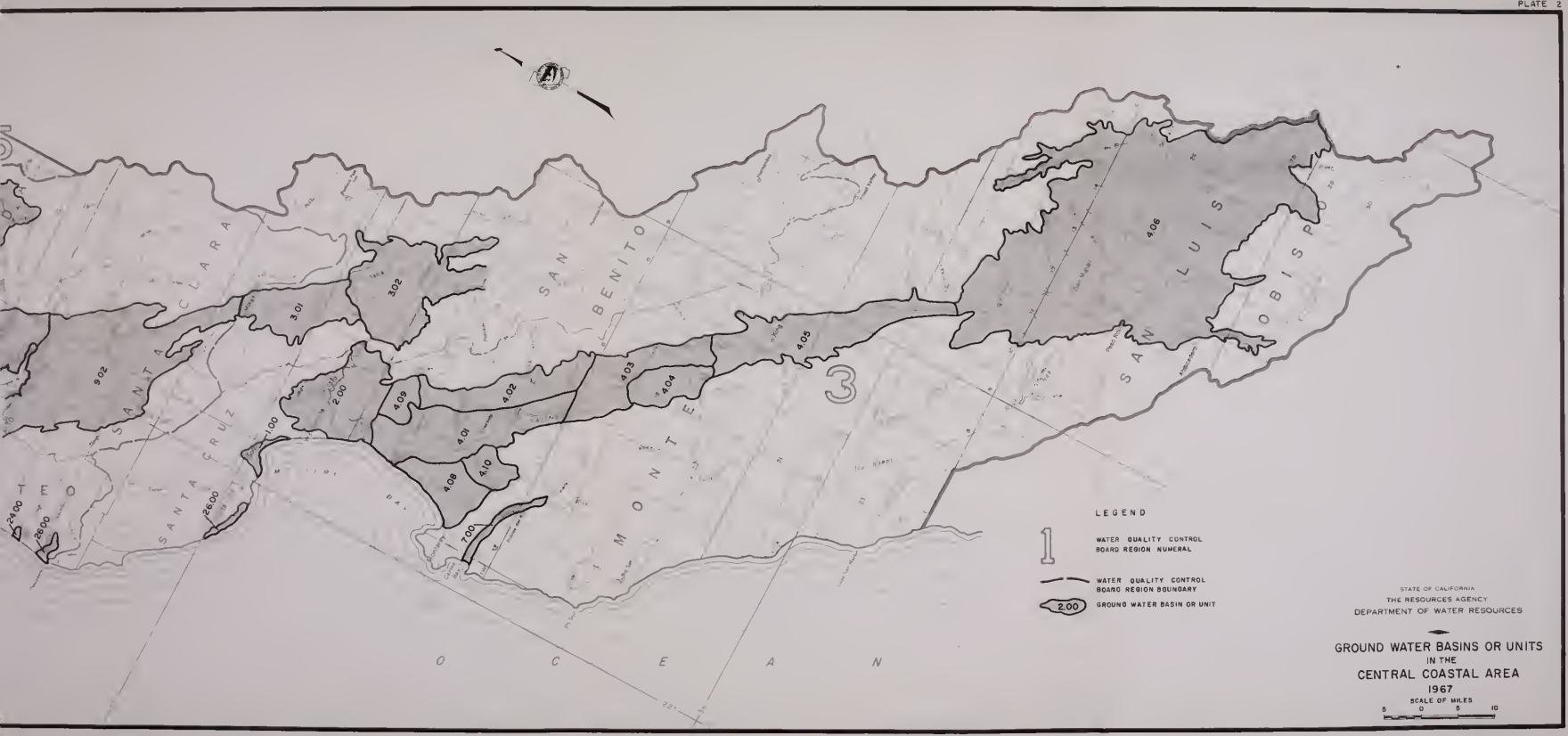
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SURFACE WATER MEASUREMENT STATIONS

HYDROGRAPHIC AREA E

San Francisco Bay (E0)
E03300 Suisun Bay at Benicia

Napa-Solano (E3)
E31110 Sacramento River at Collinsville
1400 Rector Reservoir near Townsville

SURFACE WATER QUALITY STATIONS

HYDROGRAPHIC AREA B

Sacramento-San Joaquin Delta (B9)
B91070.10 Suisun Bay at Pittsburg

HYDROGRAPHIC AREA D

Santa Cruz (D0)
D01100.00 San Lorenzo River at Big Trees
3100.00 Soquel Creek at Soquel
PM1.52 Monterey Bay at Santa Cruz

Pajaro-San Benito Rivers (D1)
D11250.00 Pajaro River at Chittenden
1371.50 Uvas Creek near Morgan Hill
2430.00 San Benito River near Bear Valley Fire Station

Lower Salinas River (D2)
D12170.00 Salinas River near Spreckels
1850.00 Salinas River near Bradley

Upper Salinas River (D3)
D13450.00 Salinas River at Paso Robles
2200.00 San Antonio River near Playso
3520.00 Nacimiento River near San Miguel

Monterey Coast (D6)
D41200.00 Carmel River at Robles del Rio

HYDROGRAPHIC AREA E

San Francisco Bay (E0)
E03300.90 Carquinez Strait at Crockett
3200.00 Suisun Bay at Middle Point
3200.90 Suisun Bay at Fort Chicago
3300.10 Suisun Bay at Martinez
EG85.33 San Francisco Bay at San Mateo Bridge
EH75.27 San Francisco Bay at Coyote Point
GH59.55 San Francisco Bay at Treasure Island
GJ47.72 San Francisco Bay near Port Point
HJ74.01 San Pablo Bay at Point San Pablo
JG80.19 Suisun Bay at Benicia

Napa-Solano (E3)
E31100.50 Napa River at Dutton Landing
1110.00 Sacramento River at Collinsville
1500.00 Napa River near St. Helena

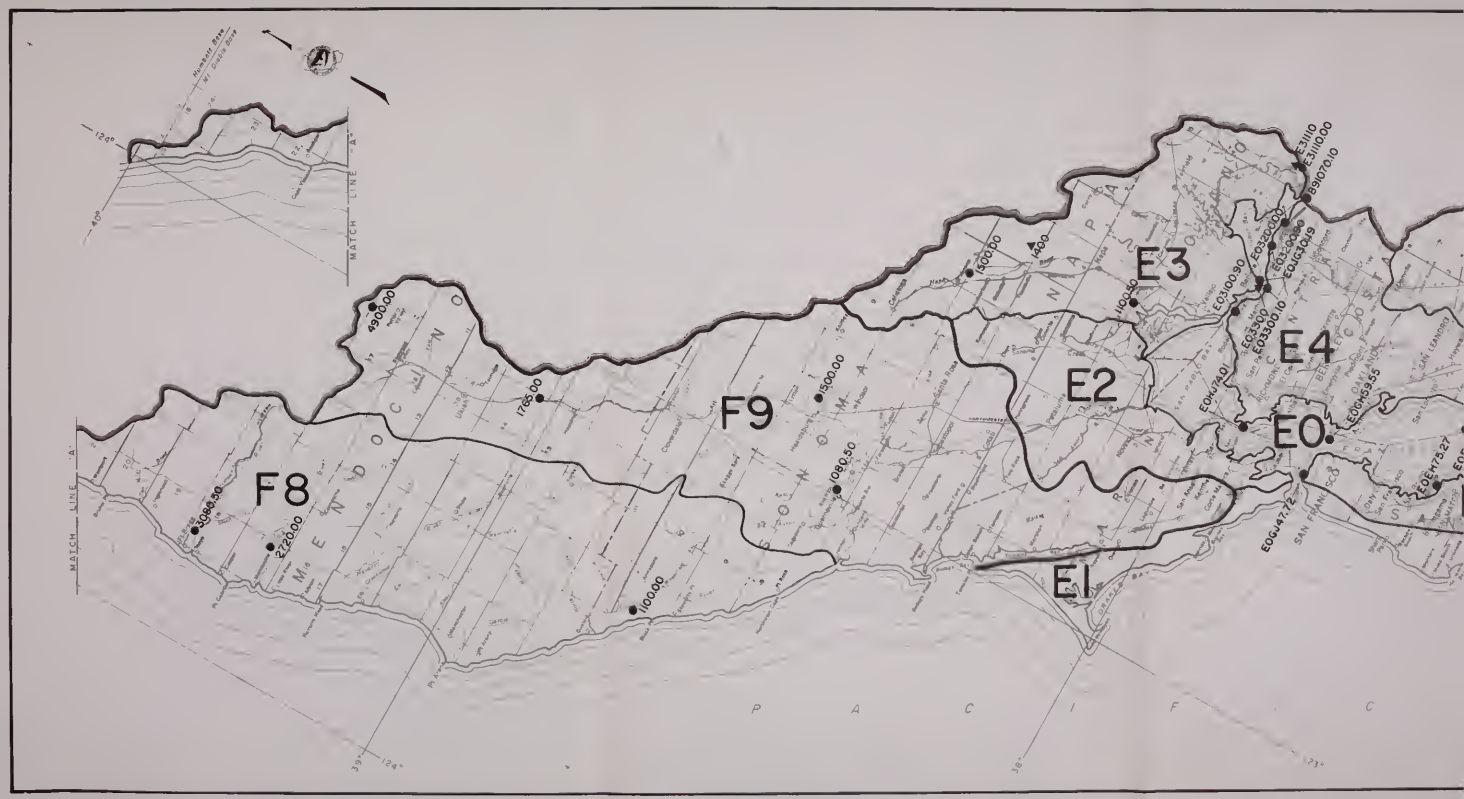
Alameda Creek (E5)
E51150.00 Alameda Creek near Niles
1400.00 Arroyo del Valle near Livermore

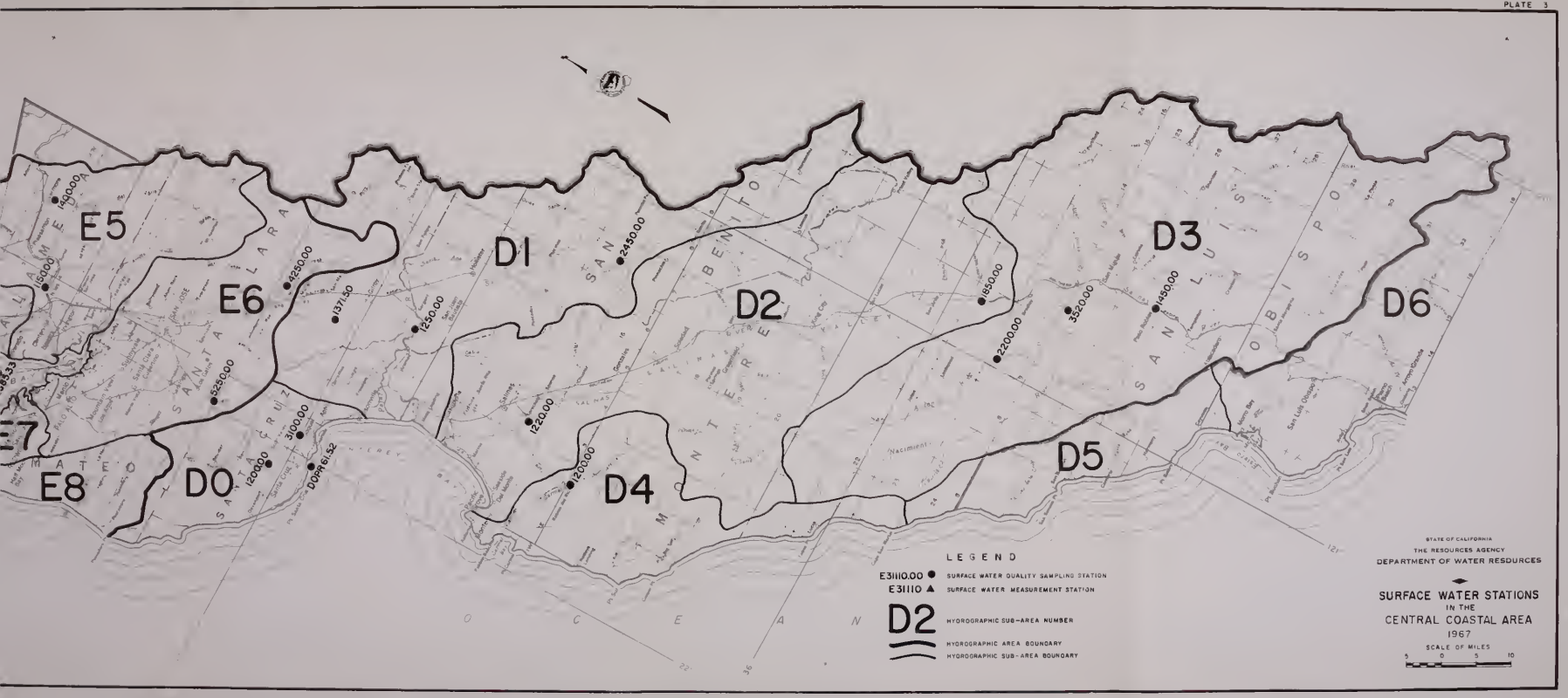
Santa Clara Valley (E6)
E64250.00 Coyote Creek near Madrone
5150.00 Los Gatos Creek at Los Gatos

HYDROGRAPHIC AREA F

Mendocino Coast (F8)
F81100.00 Gualala River, South Fork, near Annapolis
2220.00 Big River near Mouth
3080.50 Noyo River near Fort Bragg

Russian River (F9)
F93580.50 Russian River at Guerneville
1500.00 Russian River near Healdsburg
1765.00 Russian River near Hopland
4900.00 Russian River, East Fork, at Potter Valley Powerhouse

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