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THE RESOURCES AGENCY

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BULLETIN No. 130-65

HYDROLOGIC DATA: 1965

Volume V: SOUTHERN CALIFORNIA

Appendix E: GROUND WATER QUALITY

DECEMBER 1966

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ORGANIZATION OF BULLETIN NO. 130 SERIES

Volume I - NORTH COASTAL AREA

Volume II - NORTHEASTERN CALIFORNIA

Volume III - CENTRAL COASTAL AREA

Volume IV - SAN JOAQUIN VALLEY

Volume V - SOUTHERN CALIFORNIA

Each volume consists of the following:

TEXT and

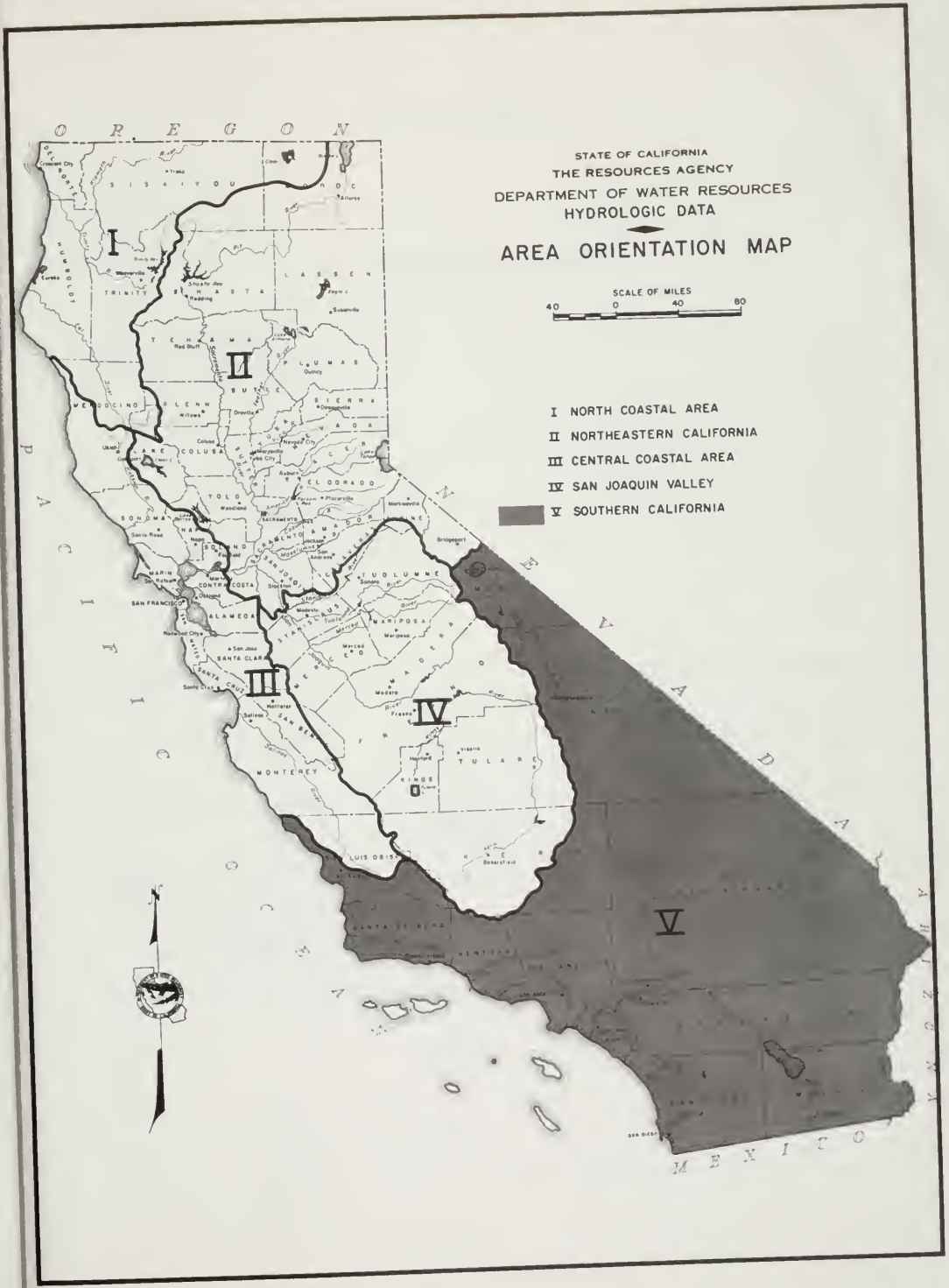
Appendix A - CLIMATE

Appendix B - SURFACE WATER FLOW

Appendix C - GROUND WATER MEASUREMENTS

Appendix D - SURFACE WATER QUALITY

Appendix E - GROUND WATER QUALITY


STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
HYDROLOGIC DATA
AREA ORIENTATION MAP
SCALE OF MILES
40 0 40 80
I NORTH COASTAL AREA
II NORTHEASTERN CALIFORNIA
III CENTRAL COASTAL AREA
IV SAN JOAQUIN VALLEY
V SOUTHERN CALIFORNIA
OREGON
NEVADA
ARIZONA
MEXICO
PACIFIC OCEAN

METRIC CONVERSION TABLE

ENGLISH UNIT	EQUIVALENT METRIC UNIT	
Inch (in)	2.54	Centimeters
Foot (ft)	0.3048	Meter
Mile (mi)	1.609	Kilometers
Acre	0.405	Hectare
Square mile (sq. mi.)	2.590	Square kilometer
U. S. gallon (gal)	3.785	Liters
Acre foot (acre-ft)	1,233.5	Cubic meters
U. S. gallon per minute (gpm)	0.0631	Liters per second
Cubic feet per second (cfs)	1.7	Cubic meters per minute

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1	Names and Areal Code Numbers of Hydrologic Areas, Central Coastal Drainage Province (T)
2	Names and Areal Code Numbers of Hydrologic Areas, Los Angeles Drainage Province (U)
3	Names and Areal Code Numbers of Hydrologic Areas, Lahontan Drainage Province (W)
4	Names and Areal Code Numbers of Hydrologic Areas, Colorado River Basin Drainage Province (X)
5	Names and Areal Code Numbers of Hydrologic Areas, Santa Ana Drainage Province (Y)
6	Names and Areal Code Numbers of Hydrologic Areas, San Diego Drainage Province (Z)

ACKNOWLEDGMENTS

The Department of Water Resources wishes to acknowledge the valuable assistance and cooperation received from the agencies listed below.

Long Beach Water Department

Los Angeles County Flood Control District

Los Angeles Department of Water and Power

Orange County Flood Control District

Orange County Water District

Riverside County Flood Control and
Water Conservation District

San Bernardino County Flood Control District

San Luis Obispo County Flood Control and
Water Conservation District

United Water Conservation District, Ventura County

U. S. Geological Survey, Southern California
Subdistrict Office

Ventura County Flood Control District

ABSTRACT

Appendix E to Volume V, Bulletin No. 130-65, contains data on the chemical, physical, and radiological characteristics of the ground water in Southern California for the 1964-65 water year. Figures show Southern California area and drainage province boundaries.

INTRODUCTION

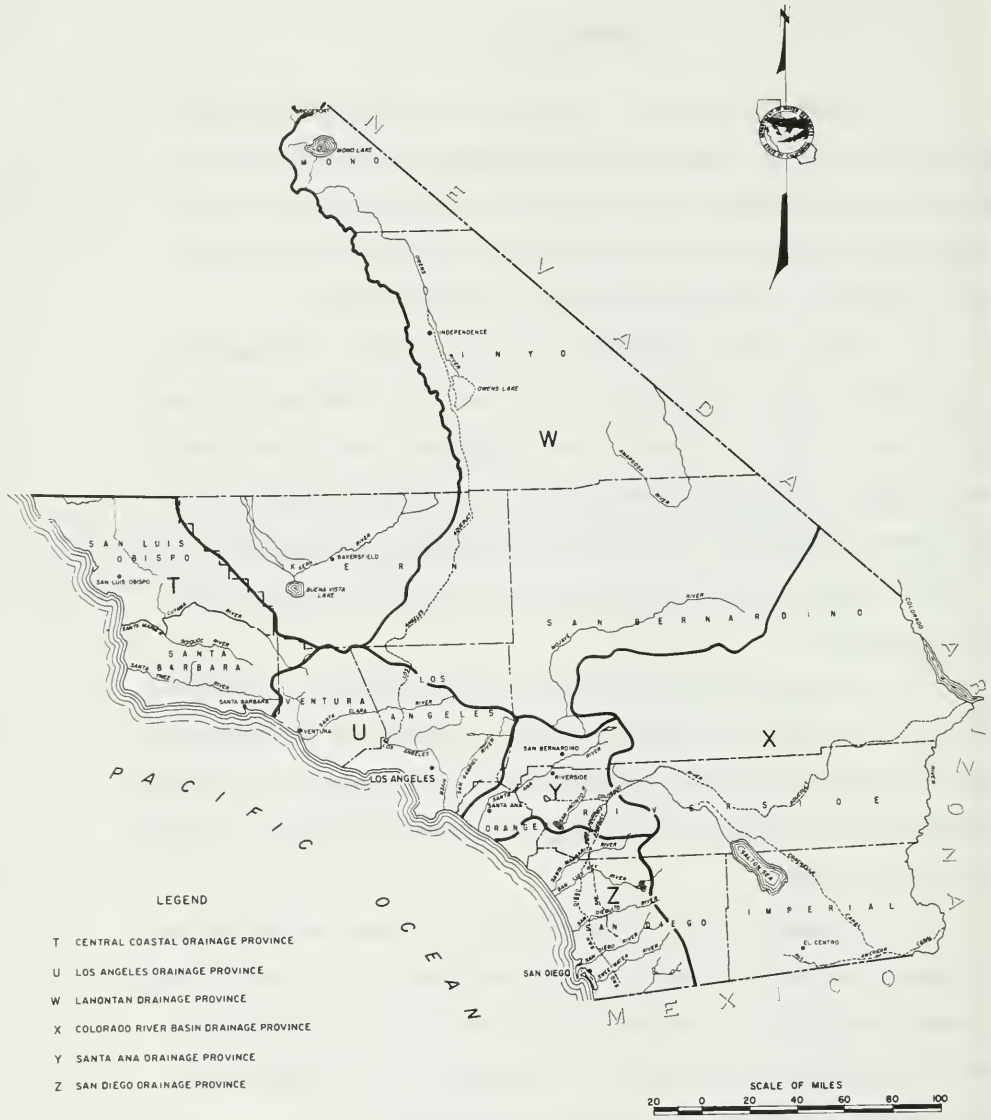
Appendix E to Volume V of Bulletin No. 130-65 contains all ground water analyses compiled by the Department of Water Resources during the 1964-65 water year. The data presented are measured values of the chemical, physical, and radiological characteristics of ground water throughout the Southern California area (see Figure 1).

Quality data are tabulated for approximately 4,000 samples of ground water collected from wells and springs in the Southern California area. About 1,000 of these are in the Department's Ground Water Quality Data Program. The remainder were sampled by many cooperating agencies and by various Department units conducting special investigations. Many of these analyses data were generously supplied by other public and private agencies.

The Ground Water Quality Data Program consists of a selection of wells to be sampled, regular collection of samples by the Department and by cooperators, laboratory analyses by the Department or cooperators, examination of the data to note trends or significant changes, and publication of the data.

The sampling program is periodically reviewed, and wells that are found to be out of production for an extended period or can no longer be sampled are deleted. They are replaced with wells selected on the basis of continuity of the records of analysis, ease of sampling, and availability of construction data and geologic logs.

Tables E-1 through E-4 contain detailed information on ground water quality in the six drainage provinces shown on Figure 2.



LOCATION OF DRAINAGE PROVINCE BOUNDARIES

DEPARTMENT OF WATER RESOURCES, SOUTHERN DISTRICT, 1966

MEASUREMENT TECHNIQUES

The effective use of ground water quality data depends on the accuracy, precision, and availability of the data. To ensure accuracy, certain methods and procedures have been established, and to ensure availability, coding systems have been developed.

The measurement techniques followed include sampling, analyses, and reporting procedures used to obtain the data presented in this appendix. Definitions of the terms used, field and laboratory methods and procedures, accuracy of the reported results, significant numbers retained, limitations of the data, and coding are discussed below.

Definitions

The following definitions will assist the reader in understanding the terms used in this appendix.

Water Year is the 12-month period from October 1 of any year through September 30 of the following year, and is designated by the calendar year in which it ends.

Ground Water is the water below the ground surface in the zone of saturation that is or may be made available for use from wells and springs.

Standard Methods are the methods of analysis for substances in water adopted jointly by the American Public Health Association, American Water Works Association, and Water Pollution Control Federation. They represent the best current analytic procedures and are published as "Standard Methods for the Examination of Water and Waste Water". The current publication is the 12th edition, dated 1965.

Trace Elements Analysis is the quantitative spectrographic estimation of metallic elements which include the following metals: aluminum (Al), beryllium (Be), bismuth (Bi), cadmium (Cd), chromium (Cr), copper (Cu), iron (Fe), gallium (Ga), germanium (Ge), manganese (Ma), molybdemum (M), nickel (Ni), lead (Pb), titanium (Ti), vanadium (V), and zinc (Zn); reported as parts per billion (ppb).

Radioassays are the radiological analyses which give the count of radioactive events in samples of water within a measured interval of time expressed as picocuries per liter (pc/l) and reported as plus or minus the statistical deviation calculated at a confidence level of 95 percent.

Synthetic Detergents are a class of chemical compounds resembling soap that contain surface-active agents and other materials designed to disperse and emulsify oil, grease, and soil particles. The surface-active agents most widely used in most synthetic detergents are the linear alkylate sulfonates.

Methods and Procedures

Because methods of sampling may affect the analysis of the sample, an explanation of sampling procedures established for ground water sample collection is given below.

Field Procedures

Ground water samples were collected in chemically clean plastic containers of gallon or half-gallon capacity depending upon the type of constituents to be determined. Samples were preferably taken from the nearest tap on the system beyond the pump discharge valve, after at least

five minutes of pumping. Containers were thoroughly rinsed with the water sampled before collecting the sample and afterward tightly capped. Observations of color, odor, taste, and temperature were recorded, together with significant environmental conditions.

Separate samples were collected for radiological, trace elements, or other special determinations.

Laboratory Procedures

Methods of mineral, bacterial, and radiological analyses used by the Department of Water Resources, Southern District, are generally those described in the American Public Health Association, American Water Works Association, and Water Pollution Control Federation publication "Standard Methods for the Examination of Water and Waste Water", 12th Edition, 1965. In some cases, the methods described in the following publications also have been used:

U. S. Geological Survey, "Methods for Collection and Analyses of Water Samples", Water Supply Paper 1454, 1960

U. S. Public Health Service, Taft Sanitary Engineering Center, "Taft Method Analytical Procedure, Alkyl Benzene Sulfonate Determination", 1964

Reporting Methods

Individual chemical constituents of ground water analyses in Table E-1 are reported as parts per million (ppm). Machine methods of data processing are being developed, and all information in Table E-1 has been tabulated on data processing machines. Thus, the Department is able to supply precisely the data that is requested by users.

Trace elements analyses are reported in Table E-2 as parts per billion (ppb). These analyses were performed by the U. S. Geological Survey Laboratory in Sacramento, California. Limitations in the precision of measurements by spectrographic analysis frequently require the reporting of results as less than or more than the amounts presented, as indicated in the footnotes accompanying the table.

Radiological analyses for ground water are reported in picocuries per liter (pc/l) in Table E-3. The analyses were performed by the State Department of Public Health, Sanitation and Radiation Laboratory, Berkeley, California. These ground water samples were given analyses for alpha and beta activity.

Analyses for synthetic detergents and phosphate (PO_4) in ground water are shown in Table E-4, and are reported as parts per million.

In mid-1965, the soap and detergent industry replaced the main constituent of synthetic detergents, alkyl benzene sulfonate (ABS), with linear alkylate sulfonate (LAS). Because the standard methylene blue test for surface-active agents does not distinguish between the two types, the results are reported here as methylene blue active substances (MBAS) as ABS. The method of analysis used was the U. S. Public Health Service, Taft Engineering Center "Taft Method Analytical Procedure, Alkyl Benzene Sulfonate Determination", 1964.

Accuracy

The water samples presented to the chemist contain unknown dissolved substances. Some of these substances may interfere with the analyses of other constituents dissolved in the water. Standard methods

of analysis minimize errors due to interference. Laboratory procedures identify and measure individual constituents in orderly sequence in such a way that any significant interference can be allowed for or eliminated.

Various tests are available to the chemist to assure precision of the results. Foremost among these is the comparison termed "Balance" of the sums of equivalents per million of cations and anions, which are exactly equal in ionic solutions. The analysis is complete only after this test meets the following requirements:

(1) Analyses of water having sums of anions less than 5.00 milliequivalents per liter shall not have a difference between total anions and total cations over 4 percent of the mean value.

(2) Analyses of water having sums of anions from 5.00 milliequivalents per liter to 10.00 milliequivalents per liter shall not have a difference between total anions and total cations of over 3 percent of the mean value.

(3) Analyses of water having sums of anions over 10.00 milliequivalents per liter shall not have a difference between total anions and total cations of over 2 percent of the mean value.

If the analysis does not meet this test, the constituents are rerun to verify the individual results, or until the reason for the discrepancy is ascertained.

Control of laboratory quality of analytical results is maintained by splitting selected authentic water samples, distributing these

to the laboratories, and comparing the analytic reports. From time to time, synthetic water reference samples supplied by U. S. Public Health Service or California Department of Public Health, containing known proportions of selected constituents, are used as tests of precision of any analytical method. These latter serve as a test of laboratory accuracy as well.

Trace elements analyses are reported to be quantitatively accurate to within 10 percent of the true value.

Radioactivity counts are measures of statistically random independent events. They are subject to environmental, instrumental, and procedural variations that must be estimated and accounted for to eliminate their influences on the reported results. The results are reported as the count plus or minus the counting error.

Significant Numbers

Analytical numerical results follow the recommendations for reporting of "Standard Methods". In general, the number of digits retained in chemical analyses reflects the precision of a determination of one-half unit in the last digit. Accuracy (reproducibility) is estimated at plus or minus 5 percent at critical limits for most constituents.

Limitations

To obtain a representative sampling of the ground water and of conditions in Southern California, an attempt is made to maintain sampling wells that are strategically located throughout a basin. However, because the program relies heavily upon data collected by cooperating agencies, the Department cannot always make the decisions as to which wells are selected and how often they are sampled.

The sampling that is conducted by the Department under the Ground Water Quality Sampling Program must of necessity be limited to wells in those areas that are considered of the greatest economic importance. Thus, the analyses reported cannot be considered equally representative of all parts of Southern California.

All samples are given a complete mineral analysis and, where indications warrant, special analyses are made, such as those for synthetic detergents and phosphates.

Coding

To facilitate the processing of basic hydrological data published in this appendix, number and letter codes are used to designate hydrologic areas and wells.

The areal designation coding system used is in the form A-11.A1. The letter to the left of the dash refers to the drainage province. (The boundaries of these provinces correspond to boundaries of the regional water quality control boards with the exception of the Los Angeles-Orange and Los Angeles-San Bernardino county boundaries.) Next are two digits to the left of the decimal; these refer to the hydrologic unit. To the right of the decimal is one letter which identifies the hydrologic subunit, and last, a number representing the hydrologic subarea. Plates 1 through 6 show the locations and areal code numbers of the hydrologic subdivisions in each drainage province.

The state well numbering system used in this report is based on township, range, and section subdivision of the Public Land Survey. It is the system used in all ground water investigations and in numbering all wells for which the data are published or filed by the Department of Water

Resources. In this report, the number of a well, assigned in accordance with this system, is referred to as the State Well Number.

Under the system each section is divided into sixteen 40-acre tracts lettered as shown on Figure 3. (Note than I and O are omitted in the grid.)

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

Figure 3. Lettering used for tracts.

Wells are numbered within each 40-acre tract according to the chronological sequence in which they have been assigned state well numbers. For example, a well that is numbered 9N/32W-17G1 S, would be in Township 9 North, Range 32 West, Section 17, San Bernardino base and meridian, and would be further designated as the first well assigned a state well number in tract G. Well numbers in Southern California are referenced to the Mount Diablo base and meridian (M) or to the San Bernardino base and meridian (S).

On the areas where the Public Land Survey was not made, the Department has arbitrarily projected on maps the township and range lines. Maps showing well locations and State well numbers in the district area are on file at the District's office.

Ground water samples obtained from springs are identified by numbers similar to well numbers, except that an "S" is included after the 40-acre tract designation to signify a spring. An example of a number used to identify a sample from a spring is 16S/7E-4MS1 M.

DATA

GROUND WATER QUALITY

TABLE E-1

ANALYSES OF GROUND WATER

CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
PASO ROBLES HYDRO SUBUNIT T09H0 — SALINAS HYDRO UNIT T0900																	
24S/11E-25N 1 M 5- 4-65	73	8.0	1650	59 2.94 16	36 2.96 16	275 11.96 67	4 0.10 1	0	317 5.20 29	377 7.85 44	174 4.91 27	4 0.06	0.2	1.18	--	1088 1086	295
24S/11E-26D 1 M 5- 3-65	65	7.7	1700	92 4.59 24	57 4.69 25	222 9.65 51	5 0.13 1	0	297 4.87 26	530 11.03 58	105 2.96 16	0.0	0.2	0.75	--	1166 1158	464
24S/11E-33R 1 M 5- 3-65	65	7.9	560	48 2.40 38	32 2.63 41	30 1.30 20	2 0.05 1	0	268 4.39 68	48 1.00 15	35 0.99 15	5 0.08 1	0.2	0.12	--	370 332	252
24S/11E-35A 1 M 5- 3-65	66	8.0	1250	46 2.30 16	38 3.13 22	195 8.48 61	3 0.08 1	0	411 6.74 49	187 3.89 28	113 3.19 23	3 0.05	0.4	0.67	--	830 788	272
24S/15E-17F 1 M 10- 1-64	--	8.2	1575	52 2.59 14	95 7.81 43	172 7.48 42	3 0.08	0	476 7.80 43	301 6.27 35	135 3.81 21	5 0.08	0.4	1.45	40	970 1039	520
25S/11E- 1A 1 M 5- 4-65	75	8.2	880	19 0.95 10	16 1.32 14	165 7.17 76	2 0.05 1	0	340 5.57 60	97 2.02 22	60 1.69 18	3 0.05 1	0.2	0.98	--	582 530	114
25S/12E- 5R 1 M 5- 4-65	62	8.0	1300	55 2.74 18	80 6.58 42	142 6.17 40	4 0.10 1	0	581 9.52 62	166 3.46 22	85 2.40 16	0	0.2	0.53	--	841 818	466
25S/12E- 8G 1 M 5- 4-65	65	8.0	1040	57 2.84 24	51 4.19 36	105 4.57 39	4 0.10 1	0	330 5.41 47	154 3.21 28	98 2.76 24	11 0.18 2	0.2	0.41	--	696 643	352

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
PASO ROBLES HYDRO SUBUNIT T09H0 — SALINAS HYDRO UNIT T0900																	
25S/12E-27D 1 M 5- 4-65	78	8.2	630	24 1.20 17	26 2.14 30	86 3.74 52	2 0.05 1	0	292 4.79 69	53 1.10 16	36 1.02 15	2 0.03	0.2	0.43	--	422 373	167
25S/12E-28B 1 M 5- 4-65	72	7.9	1320	52 2.59 17	76 6.25 41	145 6.30 41	5 0.13 1	0	378 6.20 41	221 4.60 30	144 4.06 27	16 0.26 2	0.2	0.59	--	912 846	442
25S/12E-28N 1 M 10- 1-64	--	7.9	2012	324 16.17 69	0	168 7.30 31	3 0.08	0	481 7.88 33	479 9.97 42	206 5.81 24	6 0.10	0.6	0.60	32	1420 1456	809
25S/12E-28N 4 M 5- 4-65	60	8.2	1280	106 5.29 35	57 4.69 31	113 4.91 33	2 0.05	0	386 6.33 43	264 5.50 37	103 2.90 20	0.0	0.2	0.30	--	834 835	499
25S/12E-33Q 2 M 5- 5-65	60	7.6	2175	153 7.63 29	112 9.21 34	227 9.87 37	2 0.05	0	655 10.74 39	415 8.64 32	277 7.81 29	0.0	0.1	0.58	--	1524 1509	843
25S/12E-35C 1 M 10-21-64	--	8.2	1840	92 4.59 20	59 4.85 21	300 13.04 58	6 0.15 1	--	575 9.42 42	345 7.18 32	196 5.53 25	12 0.19 1	0.2	1.09	--	1282 1294	472
25S/12E-35E 1 M 10-20-64	--	8.2	2880	166 8.28 28	100 8.22 28	300 13.04 44	3 0.08	--	386 6.33 21	548 11.41 39	401 11.31 38	26 0.42 1	0.2	1.24	--	1826 1735	826
25S/13E-19R 1 M 10- 1-64	--	8.2	535	37 1.85 33	27 2.22 40	34 1.48 26	2 0.05 1	0	235 3.85 70	7 0.15 3	38 1.07 19	27 0.44 8	0.6	0.12	40	280 328	204

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
PASO ROBLES HYDRO SUBUNIT T09H0 — SALINAS HYDRO UNIT T0900																	
25S/12E- 8R 1 M	64	8.0	1550	111	63	132	4	0	344	265	182	39	0.2	0.48	--	1074	536
5- 4-65				5.54	5.18	5.74	0.10		5.64	5.52	5.13	0.63					
				33	31	35	1		33	33	30	4				966	
25S/12E-16D 1 M	--	8.0	665	35	34	62	2	0	258	62	59	6	0.2	0.40	--	400	228
5- 3-65				1.75	2.80	2.70	0.05		4.23	1.29	1.66	0.10					
				24	38	37	1		58	18	23	1				387	
25S/12E-16K 2 M	68	8.1	610	34	35	44	2	0	269	14	50	18	0.2	0.35	--	385	229
5- 4-65				1.70	2.88	1.91	0.05		4.41	0.29	1.41	0.29					
				26	44	29	1		69	5	22	5				330	
25S/12E-16K 3 M	70	8.2	750	42	45	62	3	0	299	45	74	21	0.2	0.30	--	484	290
5- 4-65				2.10	3.70	2.70	0.08		4.90	0.94	2.09	0.34					
				24	43	31	1		59	11	25	4				440	
25S/12E-16L 2 M	64	7.5	2500	227	85	297	4	0	622	692	234	2	0.2	1.18	--	2030	917
5- 4-65				11.33	6.99	12.91	0.10		10.19	14.41	6.60	0.03					
				36	22	41			33	46	21					1848	
25S/12E-26L 1 M	--	8.0	480	33	24	40	2	--	234	26	34	6	0.2	0.29	--	316	181
10-21-64				1.65	1.97	1.74	0.05		3.84	0.54	0.96	0.10					
				30	36	32	1		71	10	18	2				280	
	70	8.1	520	36	26	39	2	0	244	19	41	0.0	0.2	0.23	--	326	197
5- 5-65				1.80	2.14	1.70	0.05		4.00	0.40	1.16						
				32	38	30	1		72	7	21					283	
25S/12E-26N 1 M	70	8.3	600	20	20	99	2	5	278	54	32	5	0.2	0.74	--	408	132
10-20-64				1.00	1.64	4.30	0.05	0.17	4.56	1.12	0.90	0.08					
				14	23	62	1	2	67	16	13	1				375	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
PASO ROBLES HYDRO SUBUNIT T09H0 — SALINAS HYDRO UNIT T0900																	
25S/14E-33Q 1 M	--	8.2	660	32	22	82	3	0	313	45	25	3	0.4	0.58	--	428	171
10- 8-64				1.60	1.81	3.57	0.08		5.13	0.94	0.71	0.05					
				23	26	51	1		75	14	10	1				367	
26S/12E- 3H 2 M	--	8.7	880	35	28	132	3	24	183	134	108	0	0.1	0.53	--	562	203
4-26-65				1.75	2.30	5.74	0.08	0.80	3.00	2.79	3.05						
				18	23	58	1	8	31	29	32					555	
26S/12E- 3K 3 M	--	8.2	530	39	22	39	9	0	230	15	58	7	0.2	0.16	--	316	188
4-26-65				1.95	1.81	1.70	0.23		3.77	0.31	1.64	0.11					
				34	32	30	4		65	5	28	2				302	
26S/12E- 3L 1 M	--	8.1	1430	91	48	170	19	0	328	274	183	0	0.2	0.78	--	986	425
4-26-65				4.54	3.95	7.39	0.49		5.38	5.70	5.16						
				28	24	45	3		33	35	32					947	
26S/12E- 5A 2 M	--	7.8	800	54	52	43	2	0	241	150	53	10	0.1	0.17	--	554	349
12-18-64				2.69	4.28	1.87	0.05		3.95	3.12	1.49	0.16					
				30	48	21	1		45	36	17	2				483	
26S/12E- 9L 1 M	--	7.5	972	66	28	98	2	0	303	115	87	10	0.5	0.41	--	590	280
4- 1-65				3.29	2.30	4.26	0.05		4.97	2.39	2.45	0.16					
				33	23	43	1		50	24	25	2				556	
26S/12E- 9L 2 M	--	7.4	1203	83	35	125	2	0	361	146	116	18	0.6	0.05	--	735	351
4- 1-65				4.14	2.88	5.44	0.05		5.92	3.04	3.27	0.29					
				33	23	43			47	24	26	2				703	
26S/12E- 9R 1 M	66	7.6	1280	95	57	135	2	0	494	130	145	14	0.1	0.37	--	842	472
5- 5-65				4.74	4.69	5.87	0.05		8.10	2.71	4.09	0.23					
				31	31	38			54	18	27	2				821	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 80°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
PASO ROBLES HYDRO SUBUNIT T09H0 — SALINAS HYDRO UNIT T0900																	
26S/12E-16C 4 M	70	7.7	1140	108	41	76	2	0	293	98	142	91	0.1	0.30	--	710	438
5- 5-65				5.39	3.37	3.30	0.05		4.80	2.04	4.00	1.47					
				45	28	27			39	17	32	12				702	
26S/12E-21D 1 M	--	8.1	1900	72	45	320	4	0	573	218	275	0.0	1.0	1.28	--	1244	365
5- 6-65				3.59	3.70	13.91	0.10		9.39	4.54	7.76						
				17	17	65			43	21	36					1218	
26S/12E-21L 1 M	62	7.8	980	52	17	145	3	0	330	137	79	0.0	1.0	0.35	--	604	200
5- 5-65				2.59	1.40	6.30	0.08		5.41	2.85	2.23						
				25	14	61	1		52	27	21					597	
26S/12E-22P 2 M	--	7.8	625	32	23	89	2	0	295	18	67	11	0.6	0.31	--	432	175
10- 9-64				1.60	1.89	3.87	0.05		4.84	0.37	1.89	0.18					
				22	26	52	1		66	5	26	2				388	
	--	8.1	660	38	24	77	2	0	290	36	68	0.0	0.2	0.30	--	426	194
5- 6-65				1.90	1.97	3.35	0.05		4.75	0.75	1.92						
				26	27	46	1		64	10	26					388	
26S/12E-33B 2 M	--	7.5	1264	106	43	113	3	0	356	252	95	1	0.9	0.44	--	820	442
5-28-65				5.29	3.54	4.91	0.08		5.83	5.25	2.68	0.02					
				38	26	36	1		42	38	19					789	
26S/12E-33Q 2 M	64	7.8	680	75	28	25	1	0	297	38	50	0.0	0.2	0.12	--	464	302
5- 6-65				3.74	2.30	1.09	0.03		4.87	0.79	1.41						
				52	32	15			69	11	20					363	
26S/13E- 4J 1 M	--	8.1	1497	111	33	165	4	0	378	280	109	18	0.3	1.25	50	965	413
10- 8-64				5.54	2.71	7.17	0.10		6.20	5.83	3.07	0.29					
				36	17	46	1		40	38	20	2				957	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
PASO ROBLES HYDRO SUBUNIT T09H0 — SALINAS HYDRO UNIT T0900																	
26S/14E-16R 1 M	--	7.8	673	21	6	119	3	0	284	39	43	8	0.6	0.43	--	422	77
4-20-65				1.05	0.49	5.17	0.08		4.65	0.81	1.21	0.13					
				15	7	76	1		68	12	18	2				380	
26S/14E-34D 1 M	--	7.9	435	30	17	44	3	0	170	29	45	8	0.8	0.12	--	302	145
10- 8-64				1.50	1.40	1.91	0.08		2.79	0.60	1.27	0.13					
				31	29	39	2		58	13	27	3				260	
26S/15E- 2N 1 M	--	8.1	2158	36	7	440	3	0	317	528	184	1.0	0.2	1.17	--	1396	119
10- 9-64				1.80	0.58	19.13	0.08		5.20	10.99	5.19	0.02					
				8	3	89			24	51	24					1356	
26S/15E-20N 1 M	79	7.8	374	41	6	29	3	0	151	33	22	10	0.1	0.05	--	241	127
10- 9-64				2.05	0.49	1.26	0.08		2.47	0.69	0.62	0.16					
				53	13	32	2		63	18	16	4				218	
26S/15E-28Q 2 M	77	7.6	4205	360	142	510	6	0	327	1276	663	14	0.7	1.34	--	3280	1483
10- 8-64				17.96	11.68	22.17	0.15		5.36	26.57	18.70	0.23					
				35	22	43			11	52	37					3134	
26S/16E-31B 1 M	--	8.0	1490	32	24	315	12	0	338	368	115	55	1.2	2.50	--	1084	179
10- 7-64				1.60	1.97	13.70	0.31		5.54	7.66	3.24	0.89					
				9	11	78	2		32	44	19	5				1091	
27S/10E-15GS1 M	65	8.0	710	81	36	36	1	--	303	148	21	0.0	0.1	0.09	--	502	350
10-18-64				4.04	2.96	1.57	0.03		4.97	3.08	0.59						
				47	34	18			58	36	7					472	
27S/10E-15GS2 M	70	8.2	810	38	16	142	2	--	365	140	23	2	0.1	0.26	--	588	161
10-18-64				1.90	1.32	6.17	0.05		5.98	2.91	0.65	0.03					
				20	14	65	1		62	30	7					543	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
PASO ROBLES HYDRO SUBUNIT T09H0 — SALINAS HYDRO UNIT T0900																	
27S/11E-16L 1 M	--	8.0	1060	162	54	22	1	0	451	247	32	0	0.4	0.08	--	842	627
4-30-65				8.08	4.44	0.96	0.03		7.39	5.14	0.90						
				60	33	7			55	38	7					740	
27S/12E- 3C 2 M	--	7.9	752	58	38	42	2	0	308	15	81	9	0.4	0.10	48	473	301
10- 1-64				2.89	3.13	1.83	0.05		5.05	0.31	2.28	0.15					
				37	40	23	1		65	4	29	2				445	
	70	7.9	700	54	38	47	2	0	315	13	95	2	0.1	0.13	--	452	291
5- 5-65				2.69	3.13	2.04	0.05		5.16	0.27	2.68	0.03					
				34	40	26	1		63	3	33					406	
27S/12E- 4P 2 M	62	8.0	900	54	22	125	2	0	338	133	57	0.0	0.6	0.37	--	576	225
5- 5-65				2.69	1.81	5.44	0.05		5.54	2.77	1.61						
				27	18	54	1		56	28	16					560	
27S/12E- 9D 2 M	--	7.9	875	85	49	49	2	0	361	110	75	2	0.1	0.20	--	640	414
5- 6-65				4.24	4.03	2.13	0.05		5.92	2.29	2.12	0.03					
				41	39	20			57	22	20					550	
27S/12E-21G 1 M	61	7.7	1460	94	77	125	3	0	429	237	128	35	0.2	0.42	--	990	551
5- 6-65				4.69	6.33	5.44	0.08		7.03	4.93	3.61	0.56					
				28	38	33			44	31	22	3				911	
27S/12E-21N 1 M	--	7.8	1075	122	52	46	1	0	331	244	55	5	0.4	0.11	32	787	519
10- 1-64				6.09	4.28	2.00	0.03		5.43	5.08	1.55	0.08					
				49	35	16			45	42	13	1				720	
	60	8.1	1035	129	50	45	1	0	367	248	52	3	0.2	0.17	--	706	528
5- 6-65				6.44	4.11	1.96	0.03		6.02	5.16	1.47	0.05					
				51	33	16			47	41	12					709	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactonce value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
PASO ROBLES HYDRO SUBUNIT T09H0 — SALINAS HYDRO UNIT T0900																	
27S/12E-29P 3 M 5- 6-65	61	7.6	1060	102 5.09 42	64 5.26 43	42 1.83 15	2 0.05	0	338 5.54 45	235 4.89 40	65 1.83 15	1 0.02	0.2	0.11	--	646 677	518
27S/12E-32F 2 M 5- 6-65	60	7.5	930	85 4.24 38	61 5.02 45	41 1.78 16	2 0.05	0	329 5.39 49	194 4.04 37	50 1.41 13	3 0.05	0.2	0.14	--	650 598	463
27S/12E-32Q 3 M 5- 7-65	60	7.6	770	64 3.19 36	50 4.11 46	35 1.52 17	1 0.03	0	250 4.10 47	157 3.27 38	46 1.30 15	3 0.05 1	0.2	0.08	--	526 479	365
27S/12E-33N 1 M 5- 7-65	63	7.7	1220	106 5.29 37	75 6.17 44	59 2.57 18	3 0.08 1	0	420 6.88 48	231 4.81 34	89 2.51 18	2 0.03	0.1	0.14	--	870 772	573
27S/13E- 9P 1 M 10- 4-64	--	8.2	650	13 0.65 9	9 0.74 10	130 5.65 80	2 0.05 1	0	359 5.88 84	20 0.42 6	21 0.59 8	5 0.08 1	0.3	0.37	45	418 422	70
27S/15E-13A 1 M 10- 7-64	73	7.8	4595	205 10.23 20	81 6.66 13	770 33.48 66	5 0.13	0	301 4.93 10	947 19.72 39	890 25.10 50	47 0.76 2	0.7	1.34	--	3142 3095	845
27S/16E-23N 1 M 10- 7-64	--	8.0	630	28 1.40 19	11 0.90 12	116 5.04 68	4 0.10 1	0	269 4.41 60	60 1.25 17	53 1.49 20	10 0.16 2	0.8	0.58	--	444 416	115
28S/12E- 4G 1 M 5- 6-65	60	7.4	660	61 3.04 40	38 3.13 41	32 1.39 18	1 0.03	0	263 4.31 58	103 2.14 29	37 1.04 14	0.0	0.2	0.05	--	536 402	309

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
PASO ROBLES HYDRO SUBUNIT T09H0 — SALINAS HYDRO UNIT T0900																	
28S/12E- 4J 2 M	60	7.5	680	64	39	26	1	0	231	141	33	4	0.2	0.14	--	464	320
5- 6-65				3.19	3.21	1.13	0.03		3.79	2.94	0.93	0.06					
				42	42	15			49	38	12	1				422	
28S/12E-10H 3 M	64	7.8	860	77	54	37	2	0	351	89	71	14	0.2	0.12	--	550	414
5- 6-65				3.84	4.44	1.61	0.05		5.75	1.85	2.00	0.23					
				39	45	16	1		58	19	20	2				517	
28S/12E-10R 2 M	--	7.9	868	79	49	40	1	0	323	134	52	2	0.5	0.08	27	578	399
10- 9-64				3.94	4.03	1.74	0.03		5.29	2.79	1.47	0.03					
				40	41	18			55	29	15					543	
	60	7.6	690	69	34	34	1	0	281	98	40	3	0.1	0.09	--	440	312
5- 5-65				3.44	2.80	1.48	0.03		4.61	2.04	1.13	0.05					
				44	36	19			59	26	14	1				417	
28S/12E-14J 2 M	63	7.6	650	68	31	25	2	0	283	74	37	1	0.2	0.12	--	420	297
5- 5-65				3.39	2.55	1.09	0.05		4.64	1.54	1.04	0.02					
				48	36	15	1		64	21	14					377	
28S/12E-14R 1 M	56	7.4	1000	98	52	43	2	0	328	154	76	15	0.1	0.11	--	660	459
5- 5-65				4.89	4.28	1.87	0.05		5.38	3.21	2.14	0.24					
				44	39	17			49	29	20	2				601	
28S/12E-24F 2 M	66	7.7	560	50	28	30	1	0	224	67	29	7	0.2	0.08	--	350	240
5- 5-65				2.50	2.30	1.30	0.03		3.67	1.39	0.82	0.11					
				41	38	21			61	23	14	2				322	
28S/12E-25B 1 M	61	7.4	580	63	26	23	1	0	232	68	28	7	0.4	0.04	--	380	264
5- 5-65				3.14	2.14	1.00	0.03		3.80	1.42	0.79	0.11					
				50	34	16			62	23	13	2				330	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent / reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
PASO ROBLES HYDRO SUBUNIT T09H0 — SALINAS HYDRO UNIT T0900																	
28S/13E-30N 1 M	66	7.3	600	56	30	30	1	0	232	86	32	9	0.2	0.08	--	390	263
5- 5-65				2.79	2.47	1.30	0.03		3.80	1.79	0.90	0.15					
				42	37	20			57	27	14	2				358	
28S/16E-14N 1 M	--	7.9	565	55	29	33	1	0	219	94	66	8	0.8	0.07	--	404	256
10- 7-64				2.74	2.38	1.43	0.03		3.59	1.96	1.86	0.13					
				42	36	22			48	26	25	2				394	
29S/13E- 5D 5 M	61	7.1	940	80	57	41	0	0	299	170	59	10	0.1	0.04	--	600	434
5- 4-65				3.99	4.69	1.78			4.90	3.54	1.66	0.16					
				38	45	17			48	35	16	2				564	
29S/13E- 8M 1 M	65	7.5	650	74	15	48	1	0	303	40	39	6	0.1	0.03	--	400	246
5- 4-65				3.69	1.23	2.09	0.03		4.97	0.83	1.10	0.10					
				52	17	30			71	12	16	1				372	
29S/13E- 8N 1 M	65	7.5	680	77	15	47	1	0	306	41	40	6	0.1	0.05	--	400	254
5- 3-65				3.84	1.23	2.04	0.03		5.02	0.85	1.13	0.10					
				54	17	29			71	12	16	1				378	
29S/13E-14B 1 M	63	7.5	580	43	24	37	2	0	191	31	35	55	0.2	0	--	342	206
5- 3-65				2.15	1.97	1.61	0.05		3.13	0.65	0.99	0.89					
				37	34	28	1		55	11	17	16				321	
29S/13E-18H 1 M	63	7.5	730	58	33	56	1	0	315	62	46	6	0.1	0.06	--	420	280
5- 4-65				2.89	2.71	2.43	0.03		5.16	1.29	1.30	0.10					
				36	34	30			66	16	17	1				417	
29S/13E-19H 1 M	--	8.4	650	47	39	40	1	6	254	70	41	10	0.1	0.10	--	414	278
5- 3-65				2.35	3.21	1.74	0.03	0.20	4.16	1.46	1.16	0.16					
				32	44	24		3	58	20	16	2				379	

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
PASO ROBLES HYDRO SUBUNIT T09H0 — SALINAS HYDRO UNIT T0900																	
29S/13E-19H 2 M	--	8.2	640	45	40	33	1	0	252	87	33	12	0.1	0.11	--	438	277
5- 3-65				2.25	3.29	1.43	0.03		4.13	1.81	0.93	0.19					
				32	47	20			58	26	13	3				375	
29S/13E-21F 1 M	58	7.6	570	98	11	13	1	0	276	38	12	34	0.1	0.06	--	354	290
5- 3-65				4.89	0.90	0.57	0.03		4.52	0.79	0.34	0.55					
				77	14	9			73	13	5	9				343	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
POZO HYDRO SUBUNIT T0910 — SALINAS HYDRO UNIT T0900																	
30S/15E-10G 2 M	--	8.0	435	43	18	36	1	0	197	34	28	21	0.8	0.10	--	314	182
10- 4-64				2.15	1.48	1.57	0.03		3.23	0.71	0.79	0.34					
				41	28	30	1		64	14	16	7				279	
30S/15E-21C 1 M	--	7.8	570	50	28	39	1	0	201	94	22	28	0.4	0.12	--	406	240
10- 4-64				2.50	2.30	1.70	0.03		3.29	1.96	0.62	0.45					
				38	35	26			52	31	10	7				361	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN LUIS OBISPO HYDRO UNIT T1000																	
CAMBRIA HYDRO SUBUNIT T10A0																	
SAN CARPOFORO HYDRO SUBAREA T10A1																	
25S/ 6E-16A 2 M	58	7.6	441	39	27	12	1	0	235	22	17	0.8	0.1	0.08	--	225	209
10- 5-64				1.95	2.22	0.52	0.03		3.85	0.46	0.48	0.01					
				41	47	11	1		80	10	10					234	
ARROYO DE LA CRUZ HYDRO SUBAREA T10A2																	
25S/ 6E-34K 1 M	61	8.1	494	44	34	15	1	0	277	28	18	0.8	0.1	0.11	--	257	250
10- 5-64				2.20	2.80	0.65	0.03		4.54	0.58	0.51	0.01					
				39	49	11	1		80	10	9					277	
26S/ 8E- 6G 1 M	--	8.1	586	44	42	21	1	0	305	35	25	3	0.2	0.09	--	330	283
6-22-65				2.20	3.45	0.91	0.03		5.00	0.73	0.71	0.05					
				33	52	14			77	11	11	1				321	
SAN SIMEON HYDRO SUBAREA T10A3																	
26S/ 6E-11B 1 M	--	7.5	1197	24	45	139	1	0	107	35	291	17	0.2	0.05	--	674	245
7-22-65				1.20	3.70	6.04	0.03		1.75	0.73	8.21	0.27					
				11	34	55			16	7	75	2				605	
26S/ 6E-11B 2 M	--	7.9	1195	24	46	139	1	0	109	33	296	14	0.2	0.05	--	683	249
9-21-65				1.20	3.78	6.04	0.03		1.79	0.69	8.35	0.23					
				11	34	55			16	6	75	2				607	
26S/ 6E-11H 1 M	--	8.4	977	34	52	100	1	17	315	8	150	1	0.6	0.13	--	500	299
7-21-65				1.70	4.28	4.35	0.03	0.57	5.16	0.17	4.23	0.02					
				16	41	42		6	51	2	42					519	

TABLE E-1

ANALYSES OF GROUND WATER

CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN LUIS OBISPO HYDRO UNIT T1000																	
CAMBRIA HYDRO SUBUNIT T10A0																	
SAN SIMEON HYDRO SUBAREA T10A3																	
26S/ 7E-26C 1 M	--	7.8	857	70	49	39	2	0	354	31	93	0	0.3	0.07	--	494	376
7-21-65				3.49	4.03	1.70	0.05		5.80	0.65	2.62						
				38	43	18	1		64	7	29					458	
26S/ 8E-19CS1 M	--	8.2	610	42	27	61	1	0	285	62	19	26	0.4	0.15	--	398	216
3-23-65				2.10	2.22	2.65	0.03		4.67	1.29	0.54	0.42					
				30	32	38			67	19	8	6				379	
27S/ 8E- 6H 2 M	--	7.8	516	39	36	16	1	0	290	20	18	1	0.2	0.09	--	250	246
6-22-65				1.95	2.96	0.70	0.03		4.75	0.42	0.51	0.02					
				35	52	12	1		83	7	9					274	
27S/ 8E- 9P 2 M	62	8.0	529	38	37	18	1	0	260	40	20	1.8	0.2	0.16	--	283	247
10- 5-64				1.90	3.04	0.78	0.03		4.26	0.83	0.56	0.03					
				33	53	14	1		75	15	10	1				284	
SANTA ROSA HYDRO SUBAREA T10A4																	
27S/ 8E-21R 3 M	58	7.5	1176	84	83	61	4	0	545	102	91	0	0.3	0.21	--	688	551
10- 6-64				4.19	6.83	2.65	0.10		8.93	2.12	2.57						
				30	50	19	1		66	16	19					693	
27S/ 8E-36LS1 M	--	8.2	520	16	66	9	1	0	377	3	14	1	0.1	0.21	--	298	312
3-23-65				0.80	5.43	0.39	0.03		6.18	0.06	0.39	0.02					
				12	82	6			93	1	6					296	

TABLE E-1
ANALYSES OF GROUND WATER

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
CAMBRIA HYDRO SUBUNIT T10A0 — SAN LUIS OBISPO HYDRO UNIT T1000																	
VILLA HYDRO SUBAREA T10A5																	
28S/ 9E-26E 1 M	74	7.8	1735	88	86	162	1	0	478	52	280	107	0.4	0.53	--	1006	573
10- 6-64				4.39	7.07	7.04	0.03		7.83	1.08	7.90	1.73					
				24	38	38			42	6	43	9				1012	
CAYUCOS HYDRO SUBAREA T10A6																	
28S/10E-32A 3 M	63	8.1	1335	73	90	100	11	0	664	37	133	22	0.3	0.20	--	768	552
10- 6-64				3.64	7.40	4.35	0.28		10.88	0.77	3.75	0.35					
				23	47	28	2		69	5	24	2				793	
28S/10E-33E 3 M	--	8.2	3739	143	193	340	2	0	564	123	883	80	0.5	0.31	--	2310	1151
8- 3-65				7.14	15.87	14.78	0.05		9.24	2.56	24.90	1.29					
				19	42	39			24	7	66	3				2042	
28S/10E-33E 6 M	--	8.1	1307	70	81	90	1	0	507	36	163	27	0.5	0.23	--	750	508
7-27-65				3.49	6.66	3.91	0.03		8.31	0.75	4.60	0.44					
				25	47	28			59	5	33	3				718	
28S/10E-33E10 M	--	7.8	1268	71	77	92	1	0	546	33	135	15	0.5	0.26	--	716	494
8- 3-65				3.54	6.33	4.00	0.03		8.95	0.69	3.81	0.24					
				25	46	29			65	5	28	2				693	
28S/10E-33L 1 M	--	8.4	1255	66	73	97	1	17	475	36	136	35	0.5	0.25	--	718	465
8- 3-65				3.29	6.00	4.22	0.03	0.57	7.79	0.75	3.84	0.56					
				24	44	31		4	58	6	28	4				695	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
CAMBRIA HYDRO SUBUNIT T10A0 — SAN LUIS OBISPO HYDRO UNIT T1000																	
OLD HYDRO SUBAREA T10A7																	
29S/10E- 3G 1 M	--	8.2	735	18	54	42	0	0	228	13	111	8	0.2	0.05	--	444	267
8- 3-65				0.90	4.44	1.83			3.74	0.27	3.13	0.13					
				13	62	26			51	4	43	2				358	

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SAN LUIS OBISPO HYDRO UNIT T1000																	
SAN LUIS OBISPO HYDRO SUBUNIT T1080																	
MORRO HYDRO SUBAREA T1081																	
29S/10E-25D 1 M	--	8.2	1857	114	111	124	2	0	467	110	360	12	0.3	0.11	--	1070	742
10- 6-64				5.69	9.13	5.39	0.05		7.65	2.29	10.15	0.19					
				28	45	27			38	11	50	1				1063	
29S/10E-25D 3 M	--	7.6	1686	107	102	100	2	0	535	112	235	16	0.4	0.16	--	1118	687
4- 6-65				5.34	8.39	4.35	0.05		8.77	2.33	6.63	0.26					
				29	46	24			49	13	37	1				938	
29S/10E-25F 1 M	68	8.2	1302	74	98	61	1	0	553	106	118	2	0.4	0.11	--	735	588
8- 3-65				3.69	8.06	2.65	0.03		9.06	2.21	3.33	0.03					
				26	56	18			62	15	23					732	
29S/10E-25F 4 M	68	8.3	907	57	64	46	1	13	381	67	67	1	0.3	0.09	--	508	405
8- 3-65				2.84	5.26	2.00	0.03	0.43	6.24	1.39	1.89	0.02					
				28	52	20		4	63	14	19					504	
CHORRO HYDRO SUBAREA T1082																	
29S/11E-32M 1 M	--	8.2	2561	82	164	252	6	0	744	149	488	3	0.2	0.14	--	1523	880
10- 7-64				4.09	13.49	10.96	0.15		12.19	3.10	13.76	0.05					
				14	47	38	1		42	11	47					1510	
	67	8.4	1859	71	142	132	5	20	656	111	255	6	0.4	0.08	--	1113	762
8- 3-65				3.54	11.68	5.74	0.13	0.67	10.75	2.31	7.19	0.10					
				17	55	27	1	3	51	11	34					1065	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN LUIS OBISPO HYDRO SUBUNIT T10B0 / LOS OSOS HYDRO SUBAREA T10B3 — SAN LUIS OBISPO HYDRO UNIT T1000																	
30S/10E-13A 1 M	--	7.8	369	14	11	36	1	0	44	8	58	45	0.1	0	--	240	80
8- 3-65				0.70	0.90	1.57	0.03		0.72	0.17	1.64	0.73					
				22	28	49	1		22	5	50	22				195	
30S/10E-13A 2 M	--	7.1	612	28	16	57	1	0	34	23	140	21	0.1	0.02	--	340	136
8- 3-65				1.40	1.32	2.48	0.03		0.56	0.48	3.95	0.34					
				27	25	47	1		11	9	74	6				303	
30S/10E-13A 6 M	--	7.5	186	11	4	21	1	0	61	3	27	2	0.1	0.02	--	160	44
8- 4-65				0.55	0.33	0.91	0.03		1.00	0.06	0.76	0.03					
				30	18	50	2		54	3	41	2				99	
30S/10E-13B 2 M	--	7.2	196	12	4	21	1	0	52	6	30	5	0.1	0.02	--	92	47
8- 3-65				0.60	0.33	0.91	0.03		0.85	0.12	0.85	0.08					
				32	18	49	2		45	6	45	4				105	
30S/10E-13L 1 M	66	7.6	199	4	6	25	1	0	41	3	36	6	0.1	0.02	--	160	35
8- 4-65				0.20	0.49	1.09	0.03		0.67	0.06	1.02	0.10					
				11	27	60	2		36	3	55	5				101	
30S/10E-23H 1 M	--	7.6	344	10	11	39	1	0	66	16	56	12	0.1	0.02	--	190	70
8- 5-65				0.50	0.90	1.70	0.03		1.08	0.33	1.58	0.19					
				16	29	54	1		34	10	50	6				178	
30S/11E- 7G 1 M	--	7.7	212	9	7	19	1	0	47	6	27	17	0.1	0	--	130	52
8- 3-65				0.45	0.58	0.83	0.03		0.77	0.12	0.76	0.27					
				24	31	44	2		40	6	40	14				109	
30S/11E- 7G 3 M	--	7.9	187	8	6	18	1	0	41	5	26	13	0.1	0	--	120	45
8- 3-65				0.40	0.49	0.78	0.03		0.67	0.10	0.73	0.21					
				24	29	46	2		39	6	43	12				97	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 80°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SAN LUIS OBISPO HYDRO SUBUNIT T10B0 — SAN LUIS OBISPO HYDRO UNIT T1000																	
LOS OSOS HYDRO SUBAREA T10B3																	
30S/11E- 7N 1 M	64	7.8	251	12	11	20	1	0	83	4	33	3	0	0	--	138	75
10- 7-64				0.60	0.90	0.87	0.03		1.36	0.08	0.93	0.05					
				25	38	36	1		56	3	38	2				125	
30S/11E- 8J 1 M	65	8.1	3172	112	158	318	1	0	362	94	820	113	1.1	0.40	--	1849	930
10- 7-64				5.59	12.99	13.83	0.03		5.93	1.96	23.12	1.82					
				17	40	43			18	6	70	6				1795	
30S/11E-18Q 1 M	68	7.5	280	10	8	29	1	0	35	12	44	26	0	0	--	158	58
10- 7-64				0.50	0.66	1.26	0.03		0.57	0.25	1.24	0.42					
				20	27	51	1		23	10	50	17				147	
30S/11E-18R 1 M	--	7.0	198	7	6	21	0	0	31	5	39	3	0.1	0	--	131	42
8- 5-65				0.35	0.49	0.91			0.51	0.10	1.10	0.05					
				20	28	52			29	6	63	3				96	
SAN LUIS OBISPO CR HYDRO SUBAREA T10B4																	
30S/12E-29Q 1 M	64	8.4	2330	136	88	230	1	13	478	39	490	38	0.5	0.04	--	1339	702
10- 7-64				6.79	7.24	10.00	0.03	0.43	7.83	0.81	13.82	0.61					
				28	30	42		2	33	3	59	3				1271	
31S/12E-12N 1 M	--	7.5	2378	--	--	--	--	0	252	--	658	--	--	--	--		957
10-13-64									4.13		18.56						
31S/12E-32D 2 M	--	8.0	2755	132	111	296	8	0	558	85	625	1.0	0	0.34	--	1695	787
10-14-64				6.59	9.13	12.87	0.20		9.15	1.77	17.63	0.02					
				23	32	45	1		32	6	62					1533	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN LUIS OBISPO HYDRO UNIT T1000																	
SAN LUIS OBISPO HYDRO SUBUNIT T10B0																	
SAN LUIS OBISPO CR HYDRO SUBAREA T10B4																	
31S/12E-32D 2 M	--	7.6	2380	114	86	252	8	0	592	67	454	0	0.5	0.52	39		639
3-15-65				5.69	7.07	10.96	0.20		9.70	1.39	12.80						
				24	30	46	1		41	6	54					1312	
PISMO HYDRO SUBAREA T10B6																	
31S/13E-29F 5 M	63	8.0	858	74	63	30	1	0	437	81	36	6.4	0.4	0.13	--	514	444
10- 9-64				3.69	5.18	1.30	0.03		7.16	1.69	1.02	0.10					
				36	51	13			72	17	10	1				507	
32S/12E-13J 2 M	--	8.1	3900	198	151	565	15	0	687	281	1039	3	0.1	0.64	--	3024	1116
10-13-64				9.88	12.42	24.57	0.38		11.26	5.85	29.30	0.05					
				21	26	52	1		24	13	63					2590	
32S/12E-24B 1 S	--	8.6	2700	149	80	367	18	37	374	179	693	0	0.1	0.40	--	1628	702
5- 1-65				7.44	6.58	15.96	0.46	1.23	6.13	3.73	19.54						
				24	22	52	2	4	20	12	64					1707	
32S/12E-24B 2 S	--	8.3	1155	81	37	98	6	10	198	163	162	1	0.5	0.08	--	800	354
4-30-65				4.04	3.04	4.26	0.15	0.33	3.25	3.39	4.57	0.02					
				35	26	37	1	3	28	29	40					656	
32S/12E-24B 3 S	--	8.2	960	49	64	79	5	0	355	155	73	3	0.1	0.13	--	638	386
5- 1-65				2.45	5.26	3.43	0.13		5.82	3.23	2.06	0.05					
				22	47	30	1		52	29	18					603	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
ARROYO GRANDE HYDRO SUBUNIT T10C0 — SAN LUIS OBISPO HYDRO UNIT T1000																	
ARROYO GRANDE HYDRO SUBAREA T10C1																	
32S/12E-24R 1 S	67	7.9	1500	69	63	160	6	0	341	110	268	33	0.1	0.12	--	898	431
6-16-65				3.44	5.18	6.96	0.15		5.59	2.29	7.56	0.53					
				22	33	44	1		35	14	47	3				877	
32S/12E-24R 2 S	64	7.9	745	61	40	45	2	0	226	132	64	10	0.1	0.10	--	500	317
6-16-65				3.04	3.29	1.96	0.05		3.70	2.75	1.80	0.16					
				36	39	24	1		44	33	21	2				465	
32S/12E-24R 3 S	66	7.7	1140	116	52	63	3	0	403	168	103	5	0.2	0.08	--	748	504
6-16-65				5.79	4.28	2.74	0.08		6.61	3.50	2.90	0.08					
				45	33	21	1		50	27	22	1				708	
32S/13E-29G 1 M	--	7.6	869	82	40	42	2	0	261	136	48	44	0.4	0.06	37	670	369
10-13-64				4.09	3.29	1.83	0.05		4.28	2.83	1.35	0.71					
				44	36	20	1		47	31	15	8				560	
32S/13E-30F 1 S	64	11.4	2620	339	22	205	10	124	0	192	596	23	0.1	0.12	--	2032	937
5-28-65				16.92	1.81	8.91	0.26	4.13		4.00	16.81	0.37					
				61	6	32	1	16		16	66	1				1511	
32S/13E-30F 2 S	63	8.1	865	75	43	52	3	0	262	140	59	31	0.1	0.10	--	552	364
5-28-65				3.74	3.54	2.26	0.08		4.29	2.91	1.66	0.50					
				39	37	23	1		46	31	18	5				532	
32S/13E-30F 3 S	68	8.0	1060	109	54	49	4	0	378	188	73	0	0.2	0.15	--	688	494
5-28-65				5.44	4.44	2.13	0.10		6.20	3.91	2.06						
				45	37	18	1		51	32	17					663	
32S/13E-30H 2 M	--	7.9	690	53	27	58	3	0	94	80	71	127	0.1	0.06	--	610	243
10-13-64				2.64	2.22	2.52	0.08		1.54	1.67	2.00	2.05					
				35	30	34	1		21	23	28	28				465	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN LUIS OBISPO HYDRO UNIT T1000																	
ARROYO GRANDE HYDRO SUBUNIT T10C0																	
ARROYO GRANDE HYDRO SUBAREA T10C1																	
32S/13E-30K 1 M	--	7.2	810	53	24	62	2	0	78	83	84	125	0	0.07	--	594	231
6-10-65				2.64	1.97	2.70	0.05		1.28	1.73	2.37	2.02					
				36	27	37	1		17	23	32	27				471	
32S/13E-30K 5 M	69	7.7	1005	85	39	56	3	0	175	149	80	108	0.2	0.06	--	700	373
6-10-65				4.24	3.21	2.43	0.08		2.87	3.10	2.26	1.74					
				43	32	24	1		29	31	23	17				606	
32S/13E-30K10 M	--	7.4	930	68	32	60	3	0	94	134	83	128	0.2	0.05	--	670	301
6-10-65				3.39	2.63	2.61	0.08		1.54	2.79	2.34	2.06					
				39	30	30	1		18	32	27	24				554	
32S/13E-30L 1 M	--	8.2	1080	96	54	52	2	0	309	144	111	22	0.1	0.11	--	814	462
10-13-64				4.79	4.44	2.26	0.05		5.06	3.00	3.13	0.35					
				42	38	20			44	26	27	3				633	
32S/13E-30N 1 S	65	8.6	1100	46	44	102	3	24	224	178	116	8	0.6	0.22	--	676	296
6-11-65				2.30	3.62	4.43	0.08	0.80	3.67	3.71	3.27	0.13					
				22	35	42	1	7	32	32	28	1				632	
32S/13E-30N 2 S	67	7.9	1320	119	90	75	5	0	245	498	55	0	0.1	0.15	--	1020	668
6-16-65				5.94	7.40	3.26	0.13		4.02	10.37	1.55						
				36	44	19	1		25	65	10					963	
32S/13E-30N 3 S	64	8.1	1145	97	75	57	3	0	423	231	73	0	0.1	0.08	--	804	551
6-11-65				4.84	6.17	2.48	0.08		6.93	4.81	2.06						
				36	45	18	1		50	35	15					744	
32S/13E-30Q 2 M	--	7.5	1082	89	43	62	3	0	168	185	91	104	0.2	0.05	--	793	399
6-10-65				4.44	3.54	2.70	0.08		2.75	3.85	2.57	1.68					
				41	33	25	1		25	35	24	15				660	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SAN LUIS OBISPO HYDRO UNIT T1000																	
ARROYO GRANDE HYDRO SUBUNIT T10C0																	
ARROYO GRANDE HYDRO SUBAREA T10C1																	
32S/13E-30Q 4 M	--	7.4	1018	81	39	65	2	0	137	156	94	118	0.2	0.05	--	733	363
6-10-65				4.04	3.21	2.83	0.05		2.25	3.25	2.65	1.90					
				40	32	28			22	32	26	19				623	
32S/13E-31B 4 M	--	7.4	1214	91	51	82	2	0	219	181	103	117	0.3	0.07	--	786	437
6- 4-65				4.54	4.19	3.57	0.05		3.59	3.77	2.90	1.89					
				37	34	29			30	31	24	16				735	
32S/13E-31B 5 M	--	7.4	1140	87	42	80	2	0	178	159	103	121	0.3	0.08	--	760	390
6- 5-65				4.34	3.45	3.48	0.05		2.92	3.31	2.90	1.95					
				38	30	31			26	30	26	18				682	
32S/13E-31B 6 M	--	7.6	1185	89	51	76	2	0	208	178	101	115	0.3	0.07	--	784	432
6- 5-65				4.44	4.19	3.30	0.05		3.41	3.71	2.85	1.85					
				37	35	28			29	31	24	16				715	
32S/13E-31B 7 M	--	7.4	1081	66	55	70	1	0	162	199	93	81	0.3	0.02	--	696	391
6- 5-65				3.29	4.52	3.04	0.03		2.66	4.14	2.62	1.31					
				30	42	28			25	39	24	12				645	
32S/13E-31B 9 M	--	8.4	1162	96	50	76	3	17	195	184	99	113	0.3	0.10	--	817	445
7-27-65				4.79	4.11	3.30	0.08	0.57	3.20	3.83	2.79	1.82					
				39	33	27	1	5	26	31	23	15				734	
32S/13E-31B10 M	--	7.5	1193	97	47	78	3	0	215	178	100	120	0.3	0.06	--	819	436
6- 5-65				4.84	3.87	3.39	0.08		3.52	3.71	2.82	1.94					
				40	32	28	1		29	31	24	16				729	
32S/13E-31B12 M	--	8.0	907	90	42	36	2	0	262	138	49	59	0.4	0.02	--	560	397
6- 5-65				4.49	3.45	1.57	0.05		4.29	2.87	1.38	0.95					
				47	36	16	1		45	30	15	10				545	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
ARROYO GRANDE HYDRO SUBUNIT T10C0 — SAN LUIS OBISPO HYDRO UNIT T1000																	
ARROYO GRANDE HYDRO SUBAREA T10C1																	
32S/13E-31B13 M	--	8.2	1140	105	52	60	3	0	253	183	96	90	0.3	0.08	--	790	476
7-27-65				5.24	4.28	2.61	0.08		4.15	3.81	2.71	1.45					
				43	35	21	1		34	31	22	12				714	
32S/13E-31C 1 M	--	7.5	4255	82	98	670	40	0	520	336	960	1	0.9	0.45	--	2509	608
4-14-65				4.09	8.06	29.13	1.02		8.52	7.00	27.07	0.02					
				10	19	69	2		20	16	64					2444	
32S/13E-31F 1 M	--	8.1	1163	131	64	46	3	0	454	242	42	0.0	0.4	0.05	--	820	590
7-27-65				6.54	5.26	2.00	0.08		7.44	5.04	1.18						
				47	38	14	1		54	37	9					752	
32S/13E-31F 2 S	--	8.1	1370	128	73	67	4	0	354	394	52	0	0.1	0.11	--	1006	620
5-12-65				6.39	6.00	2.91	0.10		5.80	8.20	1.47						
				41	39	19	1		37	53	10					892	
32S/13E-31F 3 S	--	8.0	1370	133	78	82	4	0	234	545	57	0	0.1	0.12	--	1160	653
5-14-65				6.64	6.41	3.57	0.10		3.84	11.35	1.61						
				40	38	21	1		23	68	10					1014	
32S/13E-31F 4 S	--	7.7	1000	58	47	94	3	0	329	144	89	0.0	0.1	0.15	--	628	338
5-12-65				2.89	3.87	4.09	0.08		5.39	3.00	2.51						
				26	35	37	1		49	28	23					597	
32S/13E-31H 1 M	69	8.5	1686	198	99	62	2	34	348	460	93	85	0.6	0.02	--	1375	902
7-27-65				9.88	8.14	2.70	0.05	1.13	5.70	9.58	2.62	1.37					
				48	39	13		6	28	47	13	7				1205	
32S/13E-31H 2 M	68	8.0	1466	131	91	60	1	0	259	402	82	99	0.4	0.06	--	1135	702
7-27-65				6.54	7.48	2.61	0.03		4.25	8.37	2.31	1.60					
				39	45	16			26	51	14	10				994	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
ARROYO GRANDE HYDRO SUBUNIT T10C0 — SAN LUIS OBISPO HYDRO UNIT T1000																	
ARROYO GRANDE HYDRO SUBAREA T10C1																	
32S/13E-31J 2 M	--	8.3	1359	156	75	51	2	12	408	301	59	58	0.5	0.04	--	1070	698
7-27-65				7.78	6.17	2.22	0.05	0.40	6.69	6.27	1.66	0.94					
				48	38	14		3	42	39	10	6				915	
32S/13E-32D 1 M	70	7.9	885	83	38	39	2	0	199	131	59	89	0.3	0.04	--	528	364
7-28-65				4.14	3.13	1.70	0.05		3.26	2.73	1.66	1.44					
				46	35	19	1		36	30	18	16				539	
32S/13E-32D 3 M	--	8.1	866	83	38	35	2	0	198	130	53	89	0.3	0.06	--	561	364
7-28-65				4.14	3.13	1.52	0.05		3.25	2.71	1.49	1.44					
				47	35	17	1		37	30	17	16				528	
NIPOMO MESA HYDRO SUBAREA T10C2																	
11N/35W- 5L 1 S	69	7.8	711	60	28	47	3	0	157	158	53	6.7	0.2	0.03	--	485	265
10-15-64				2.99	2.30	2.04	0.08		2.57	3.29	1.49	0.11					
				40	31	28	1		34	44	20	1				433	
11N/35W- 9P 1 S	--	7.2	289	12	6	33	2	0	48	8	53	12	0	0	--	207	55
10-15-64				0.60	0.49	1.43	0.05		0.79	0.17	1.49	0.19					
				23	19	56	2		30	6	56	7				150	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
CARRIZO PLAIN HYDRO UNIT T1100																	
11N/26W- 2G 1 S	--	7.8	2750	88	29	630	6	0	239	835	433	23	0.6	1.62	--	2094	339
10- 5-64				4.39	2.38	27.39	0.15		3.92	17.38	12.21	0.37					
				13	7	80			12	51	36	1				2164	
29S/17E-13R 1 M	--	7.8	800	44	8	135	2	0	176	122	81	63	0.6	0.53	--	580	143
10- 5-64				2.20	0.66	5.87	0.05		2.88	2.54	2.28	1.02					
				25	8	67	1		33	29	26	12				543	
30S/18E- 1L 1 M	--	7.8	3030	227	70	390	1	0	212	835	385	169	0.7	1.16	43	2200	855
10- 7-64				11.33	5.76	16.96	0.03		3.47	17.38	10.86	2.73					
				33	17	50			10	50	32	8				2226	
30S/18E- 2N 1 M	--	7.8	765	62	20	63	1	0	202	117	36	40	0.4	0.24	38	440	237
10- 7-64				3.09	1.64	2.74	0.03		3.31	2.44	1.02	0.65					
				41	22	37			45	33	14	9				477	
30S/18E-12N 1 M	--	8.0	640	41	17	73	1	0	229	63	31	38	0.2	0.27	--	418	173
10- 7-64				2.05	1.40	3.17	0.03		3.75	1.31	0.87	0.61					
				31	21	48			57	20	13	9				377	
30S/18E-13M 1 M	--	8.2	816	30	17	126	2	0	254	135	39	15	0.8	0.42	25	508	145
10- 7-64				1.50	1.40	5.48	0.05		4.16	2.81	1.10	0.24					
				18	17	65	1		50	34	13	3				515	
30S/18E-23D 1 M	--	8.1	978	90	41	60	3	0	217	188	58	86	0.5	0.10	16	640	393
10- 7-64				4.49	3.37	2.61	0.08		3.56	3.91	1.64	1.39					
				43	32	25	1		34	37	16	13				649	
30S/19E- 8E 1 M	--	7.2	8592	350	231	1630	4	0	165	3272	1180	92	0.5	3.25	--	7134	1825
10- 7-64				17.47	19.00	70.87	0.10		2.70	68.12	33.28	1.48					
				16	18	66			3	65	32	1				6844	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
CARRIZO PLAIN HYDRO UNIT T1100																	
30S/19E-19P 1 M	--	8.0	970	47	36	127	0	--	215	231	60	41	1.0	0.47	--	644	266
10- 7-64				2.35	2.96	5.52			3.52	4.81	1.69	0.66					
				22	27	51			33	45	16	6				649	
30S/19E-23J 1 M	--	7.7	5400	607	175	665	9	0	162	2654	465	90	0.6	2.80	--	5562	2236
10- 7-64				30.29	14.39	28.91	0.23		2.66	55.26	13.11	1.45					
				41	19	39			4	76	18	2				4748	
30S/19E-23M 1 M	--	8.0	11507	500	462	2250	5	0	184	5264	1525	175	0.6	6.30	39	10460	3150
10- 8-64				24.95	37.99	97.83	0.13		3.02	109.60	43.01	2.82					
				16	24	61			2	69	27	2				10317	
30S/19E-29K 1 M	--	8.1	1537	77	56	196	2	0	253	488	65	32	0.8	1.14	--	1110	423
10- 7-64				3.84	4.61	8.52	0.05		4.15	10.16	1.83	0.52					
				23	27	50			25	61	11	3				1042	
30S/19E-29N 1 M	--	8.3	1030	69	48	94	2	10	199	280	52	30	1.0	0.38	24	680	370
10- 7-64				3.44	3.95	4.09	0.05	0.33	3.26	5.83	1.47	0.48					
				30	34	35		3	29	51	13	4				708	
30S/19E-29Q 1 M	--	7.9	6400	102	57	1670	10	0	306	2661	748	0.0	2.6	16.50	--	5388	489
10- 5-64				5.09	4.69	72.61	0.26		5.02	55.40	21.09						
				6	6	88			6	68	26					5418	
30S/19E-30G 1 M	--	8.0	1054	80	63	63	4	0	300	301	31	2	0.9	0.15	15	710	459
10- 7-64				3.99	5.18	2.74	0.10		4.92	6.27	0.87	0.03					
				33	43	23	1		41	52	7					708	
30S/19E-32G 1 M	--	7.9	1260	89	73	83	2	0	378	284	51	20	0.6	0.56	--	912	522
10- 5-64				4.44	6.00	3.61	0.05		6.20	5.91	1.44	0.32					
				31	43	26			45	43	10	2				789	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
CARRIZO PLAIN HYDRO UNIT T1100																	
30S/20E-18C 1 M 10- 7-64	--	7.9	3100	224 11.18 25	124 10.20 23	520 22.61 51	8 0.20	0	304 4.98 11	1039 21.63 50	596 16.81 39	0.0	0.6	3.60	--	2978 2665	1070
30S/20E-30K 1 M 10- 5-64	--	8.0	4219	560 27.94 46	213 17.52 29	352 15.30 25	5 0.13	0	160 2.62 4	2344 48.80 82	250 7.05 12	83 1.34 2	0.9	2.35	40	4110 3929	2275

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA MARIA HYDRO SUBUNIT T12A0 — SANTA MARIA-CUYAMA HYDRO UNIT T1200																	
9N/33W- 6G 1 S	--	7.8	1011	99	51	47	2	0	256	289	34	4	0.6	0.17	--	648	457
7- 8-65				4.94	4.19	2.04	0.05		4.20	6.02	0.96	0.06					
				44	37	18			37	54	9	1				653	
9N/33W- 8L 1 S	--	8.0	790	69	52	51	2	0	245	242	35	3	0.2	0.17	--	658	386
10- 6-64				3.44	4.28	2.22	0.05		4.02	5.04	0.99	0.05					
				34	43	22	1		40	50	10					575	
9N/33W- 9A 1 S	--	7.3	1084	18	11	90	2	0	52	8	153	21	0.2	0.10	--	355	90
10- 6-64				0.90	0.90	3.91	0.05		0.85	0.17	4.31	0.34					
				16	16	68	1		15	3	76	6				329	
9N/33W-18R 1 S	--	7.8	750	64	17	70	3	0	175	52	121	15	0.2	0.10	--	510	230
10- 6-64				3.19	1.40	3.04	0.08		2.87	1.08	3.41	0.24					
				41	18	39	1		38	14	45	3				428	
	--	7.6	808	65	15	68	3	0	164	49	127	21	0.4	0.14	--	447	224
7- 8-65				3.24	1.23	2.96	0.08		2.69	1.02	3.58	0.34					
				43	16	39	1		35	13	47	4				429	
9N/34W- 8H 4 S	68	8.1	934	88	44	54	2	0	251	232	44	3	0.4	0.09	--	677	401
7- 9-65				4.39	3.62	2.35	0.05		4.11	4.83	1.24	0.05					
				42	35	23			40	47	12					591	
9N/34W- 9E 1 S	--	7.2	708	46	22	67	3	0	90	99	114	15	0.3	0.06	55	500	206
10- 7-64				2.30	1.81	2.91	0.08		1.48	2.06	3.21	0.24					
				32	25	41	1		21	29	46	3				466	
10N/33W-20F 1 S	--	7.8	1848	187	91	120	5	0	293	691	74	33	0.8	0.32	--	1452	841
7- 8-65				9.33	7.48	5.22	0.13		4.80	14.39	2.09	0.53					
				42	34	24	1		22	66	10	2				1346	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA MARIA HYDRO SUBUNIT T12A0 — SANTA MARIA-CUYAMA HYDRO UNIT T1200																	
10N/34W- 3P 2 S	--	8.1	1250	126	60	72	3	0	276	405	46	17	0.3	0.20	--	890	561
10- 6-64				6.29	4.93	3.13	0.08		4.52	8.43	1.30	0.27					
				44	34	22	1		31	58	9	2				865	
	--	7.7	1290	137	59	66	3	0	267	396	50	22	0.6	0.22	--	911	585
7- 8-65				6.84	4.85	2.87	0.08		4.38	8.24	1.41	0.35					
				47	33	20	1		30	57	10	2				865	
10N/34W-14E 5 S	--	7.7	1650	175	100	95	4	0	292	596	81	89	0.4	0.24	--	1306	848
10- 6-64				8.73	8.22	4.13	0.10		4.79	12.41	2.28	1.44					
				41	39	19			23	59	11	7				1284	
10N/34W-17F 1 S	--	7.9	1823	185	92	111	4	0	238	696	79	40	0.8	0.26	--	1436	841
7- 8-65				9.23	7.57	4.83	0.10		3.90	14.49	2.23	0.65					
				42	35	22			18	68	10	3				1325	
10N/34W-18D 1 S	--	7.2	2280	216	91	189	5	0	428	539	231	66	0.7	0.34	--	1642	914
7- 8-65				10.78	7.48	8.22	0.13		7.01	11.22	6.51	1.06					
				41	28	31			27	43	25	4				1548	
10N/34W-21R 1 S	--	8.2	1253	122	62	71	3	0	254	370	68	18	0.7	0.20	30	990	560
10- 6-64				6.09	5.10	3.09	0.08		4.16	7.70	1.92	0.29					
				42	36	22	1		30	55	14	2				870	
10N/34W-26H 2 S	--	8.2	1311	113	62	84	3	0	228	329	118	23	0.5	0.21	32	1005	537
10- 6-64				5.64	5.10	3.65	0.08		3.74	6.85	3.33	0.37					
				39	35	25	1		26	48	23	3				877	
10N/34W-29N 1 S	--	8.0	1750	190	96	105	4	0	326	670	71	70	0.4	0.23	--	1506	870
6- 3-65				9.48	7.90	4.57	0.10		5.34	13.95	2.00	1.13					
				43	36	21			24	62	9	5				1367	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA MARIA HYDRO SUBUNIT T12A0 — SANTA MARIA-CUYAMA HYDRO UNIT T1200																	
10N/34W-31N 1 S	--	7.7	900	92	43	58	3	0	288	219	53	4	0.1	0.28	--	668	407
6- 2-65				4.59	3.54	2.52	0.08		4.72	4.56	1.49	0.06					
				43	33	23	1		44	42	14	1				614	
10N/34W-34E 2 S	--	8.2	900	80	51	52	3	0	244	265	38	4	0.2	0.24	--	618	409
6- 3-65				3.99	4.19	2.26	0.08		4.00	5.52	1.07	0.06					
				38	40	21	1		38	52	10	1				613	
10N/35W- 4C 1 S	--	7.9	1887	221	97	99	4	0	349	721	74	19	0.6	0.21	--	1581	951
7- 9-65				11.03	7.98	4.30	0.10		5.72	15.01	2.09	0.31					
				47	34	18			25	65	9	1				1407	
10N/35W- 7F 1 S	64	7.6	2100	250	111	98	4	0	311	795	131	5	0.6	0.17	--	1734	1081
7- 9-65				12.48	9.13	4.26	0.10		5.10	16.55	3.69	0.08					
				48	35	16			20	65	15					1548	
10N/35W- 9N 1 S	62	8.0	2066	222	98	162	4	0	310	845	101	10	0.8	0.34	35	1730	958
10- 7-64				11.08	8.06	7.04	0.10		5.08	17.59	2.85	0.16					
				42	31	27			20	68	11	1				1631	
	63	7.3	2431	257	114	189	4	0	342	981	126	6	0.7	0.35	--	2081	1111
7- 9-65				12.82	9.38	8.22	0.10		5.61	20.42	3.55	0.10					
				42	31	27			19	69	12					1846	
10N/35W-14D 1 S	63	8.1	1563	154	72	105	4	0	259	518	85	37	0.7	0.22	31	1195	681
10- 7-64				7.68	5.92	4.57	0.10		4.25	10.78	2.40	0.60					
				42	32	25	1		24	60	13	3				1134	
	64	7.6	1626	166	74	100	4	0	298	515	89	38	0.7	0.21	--	1264	719
7- 9-65				8.28	6.09	4.35	0.10		4.88	10.72	2.51	0.61					
				44	32	23	1		26	57	13	3				1133	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA MARIA HYDRO SUBUNIT T12A0 — SANTA MARIA-CUYAMA HYDRO UNIT T1200																	
10N/35W-17D 1 S	62	8.0	2268	240	110	170	4	0	354	872	139	23	0.7	0.28	34	1860	1052
10- 7-64				11.98	9.05	7.39	0.10		5.80	18.16	3.92	0.37					
				42	32	26			21	64	14	1				1767	
10N/36W- 1H 1 S	61	7.3	1760	183	84	98	6	0	256	619	112	12	0.8	0.10	--	1340	803
4- 8-65				9.13	6.91	4.26	0.15		4.20	12.89	3.16	0.19					
				45	34	21	1		21	63	15	1				1241	
10N/36W- 2G 1 S	63	7.3	1389	134	63	89	4	0	246	471	68	5	0.8	0.24	--	1030	594
4- 8-65				6.69	5.18	3.87	0.10		4.03	9.81	1.92	0.08					
				42	33	24	1		25	62	12	1				956	
10N/36W- 2G 2 S	63	7.4	1495	123	46	125	5	0	354	180	201	16	0.7	0.34	--	930	496
4- 8-65				6.14	3.78	5.44	0.13		5.80	3.75	5.67	0.26					
				40	24	35	1		37	24	37	2				871	
10N/36W-12R 1 S	65	8.0	1199	119	57	62	2	0	244	335	75	9	0.5	0.11	--	895	532
7- 9-65				5.94	4.69	2.70	0.05		4.00	6.97	2.12	0.15					
				44	35	20			30	53	16	1				780	
11N/34W-29P 2 S	64	7.4	1149	115	48	65	3	0	211	295	66	66	0.6	0.12	36	907	485
10- 6-64				5.74	3.95	2.83	0.08		3.46	6.14	1.86	1.06					
				46	31	22	1		28	49	15	8				798	
	--	7.4	1099	102	47	65	2	0	224	258	66	49	0.6	0.08	--	772	448
7- 9-65				5.09	3.87	2.83	0.05		3.67	5.37	1.86	0.79					
				43	33	24			31	46	16	7				700	
11N/35W-18M 1 S	--	8.3	1380	148	64	80	4	13	209	516	48	1	0.6	0.17	37	1110	633
10- 6-64				7.39	5.26	3.48	0.10	0.43	3.43	10.74	1.35	0.02					
				46	32	21	1	3	21	67	8					1014	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C	TDS Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA MARIA HYDRO SUBUNIT T12A0 — SANTA MARIA-CUYAMA HYDRO UNIT T1200																		
11N/35W-19E 2 S	--	7.5	1322	133	58	85	4	0	262	433	52	1.0	0.5	0.16	--	1000		571
7- 9-65				6.64	4.77	3.70	0.10		4.29	9.02	1.47	0.02						
				44	31	24	1		29	61	10						895	
11N/35W-26M 1 S	--	7.5	793	68	31	50	2	0	149	193	51	9	0.4	0.07	--	548		297
7- 9-65				3.39	2.55	2.17	0.05		2.44	4.02	1.44	0.15						
				42	31	27	1		30	50	18	2					478	
11N/35W-28B 1 S	64	8.0	943	98	38	57	3	0	199	290	42	10	0.6	0.14	35	670		401
10- 6-64				4.89	3.13	2.48	0.08		3.26	6.04	1.18	0.16						
				46	30	23	1		31	57	11	2					672	
11N/35W-28L 1 S	61	7.9	1088	121	49	58	3	0	246	346	37	13	0.8	0.18	30	810		504
10- 6-64				6.04	4.03	2.52	0.08		4.03	7.20	1.04	0.21						
				48	32	20	1		32	58	8	2					779	
11N/35W-33F 1 S	--	7.1	2009	234	103	103	4	0	492	637	102	8.5	0.6	0.24	--	1618		1008
7- 9-65				11.68	8.47	4.48	0.10		8.06	13.26	2.88	0.14						
				47	34	18			33	54	12	1					1434	
11N/36W-13R 1 S	--	8.3	1200	141	54	78	4	18	231	452	41	2	0.5	0.16	39	1005		574
10- 6-64				7.04	4.44	3.39	0.10	0.60	3.79	9.41	1.16	0.03						
				47	30	23	1	4	25	63	8						943	
	--	7.5	1313	136	59	80	4	0	250	449	47	0.5	0.5	0.16	--	1018		582
7- 9-65				6.79	4.85	3.48	0.10		4.10	9.35	1.33	0.01						
				45	32	23	1		28	63	9						899	

TABLE E-1

ANALYSES OF GROUND WATER

CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SISQUOC HYDRO SUBUNIT T12B0 — SANTA MARIA-CUYAMA HYDRO UNIT T1200																	
9N/32W-17G 1 S	--	7.9	1200	107	75	58	3	0	287	384	31	19	0.6	0.17	27	964	576
10- 6-64				5.34	6.17	2.52	0.08		4.70	7.99	0.87	0.31					
				38	44	18	1		34	58	6	2				846	
9N/33W-12R 1 S	--	7.8	910	99	56	57	2	0	257	33	29	14	0.2	0.22	--	890	478
10- 6-64				4.94	4.61	2.48	0.05		4.21	0.69	0.82	0.23					
				41	38	21			71	12	14	4				417	
	--	8.1	1115	102	61	56	2	0	269	328	33	13	0.5	0.21	--	760	506
7- 8-65				5.09	5.02	2.43	0.05		4.41	6.83	0.93	0.21					
				40	40	19			36	55	8	2				728	
10N/31W-18J 1 S	--	7.9	1170	119	79	62	1	0	469	301	46	0.0	0.2	0.20	--	918	622
2-20-65				5.94	6.50	2.70	0.03		7.69	6.27	1.30						
				39	43	18			50	41	9					839	

TABLE E-1
ANALYSES OF GROUND WATER

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
CUYAMA VALLEY HYDRO SUBUNIT T12C0						SANTA MARIA-CUYAMA HYDRO UNIT T1200											
7N/22W- 2J 1 S	--	8.2	893	6	0	205	2	7	250	209	11	2.2	1.4	0.95	--	536	15
6-21-65				0.30		8.91	0.05	0.23	4.10	4.35	0.31	0.04					
				3		96	1	3	45	48	3					567	
7N/23W- 2Q 1 S	--	8.0	2000	259	113	122	4	0	240	1136	17	0.0	0.1	0.28	--	1922	1111
3- 3-65				12.92	9.29	5.30	0.10		3.93	23.65	0.48						
				47	34	19			14	84	2					1769	
7N/23W-15R 1 S	--	8.0	2150	259	152	102	4	0	210	1284	9	0.0	1.2	0.22	--	2172	1272
3- 1-65				12.92	12.50	4.43	0.10		3.44	26.73	0.25						
				43	42	15			11	88	1					1915	
7N/23W-16G 1 S	--	7.9	450	48	12	31	1	0	221	21	18	5	0.1	0.05	--	250	170
3- 2-65				2.40	0.99	1.35	0.03		3.62	0.44	0.51	0.08					
				50	21	28	1		78	9	11	2				245	
7N/23W-19H 1 S	--	7.8	1520	98	141	83	3	0	330	703	16	0.0	0.8	2.50	--	1420	825
3- 1-65				4.89	11.60	3.61	0.08		5.41	14.64	0.45						
				24	57	18			26	71	2					1210	
7N/23W-19K 1 S	--	7.7	3500	529	269	180	5	0	342	2321	64	1	1.2	0.57	--	4010	2428
3- 2-65				26.40	22.12	7.83	0.13		5.61	48.32	1.80	0.02					
				47	39	14			10	87	3					3539	
7N/23W-22N 1 S	--	7.8	938	104	27	38	4	0	216	231	22	0.9	0.3	0	--	556	371
6-21-65				5.19	2.22	1.65	0.10		3.54	4.81	0.62	0.01					
				57	24	18	1		39	54	7					533	
7N/24W-13C 2 S	60	7.5	2079	270	115	90	4	0	218	1096	14	0	1.2	0.30	--	1795	1147
9-28-65				13.47	9.46	3.91	0.10		3.57	22.82	0.39						
				50	35	15			13	85	1					1698	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
CUYAMA VALLEY HYDRO SUBUNIT T12C0 — SANTA MARIA-CUYAMA HYDRO UNIT T1200																	
7N/24W-13C 3 S 3-25-65	--	7.6	1850	269 13.42 53	75 6.17 25	125 5.44 22	4 0.10	0	205 3.36 14	522 10.87 44	374 10.55 43	0	0.4	0.18	--	1718 1470	980
7N/24W-24A 1 S 3- 2-65	68	7.2	1800	218 10.88 44	122 10.03 41	85 3.70 15	4 0.10	0	142 2.33 9	1028 21.40 87	34 0.96 4	0.0	0.8	0.20	--	1834 1562	1046
8N/24W- 6R 1 S 3- 2-65	66	7.8	1650	194 9.68 42	118 9.70 42	79 3.43 15	3 0.08	0	189 3.10 13	932 19.40 84	20 0.56 2	0.0	0.8	0.15	--	1636 1440	970
8N/24W- 8R 1 S 3- 2-65	--	8.0	860	63 3.14 30	17 1.40 14	131 5.70 55	3 0.08 1	0	356 5.83 56	147 3.06 29	55 1.55 15	0.0	0.6	0.48	--	582 592	227
8N/24W-21M 1 S 3- 2-65	--	8.1	1800	158 7.88 33	142 11.68 49	92 4.00 17	5 0.13 1	0	202 3.31 14	958 19.95 84	20 0.56 2	2 0.03	0.8	0.22	--	1736 1477	979
8N/24W-27Q 1 S 3- 2-65	--	7.5	2000	320 15.97 56	103 8.47 30	94 4.09 14	5 0.13	0	105 1.72 6	1235 25.71 90	41 1.16 4	0.0	1.0	2.50	--	2050 1853	1223
8N/24W-28L 1 S 3- 2-65	--	8.0	3200	381 19.01 39	238 19.57 41	220 9.57 20	5 0.13	0	303 4.97 10	1980 41.22 87	43 1.21 3	4 0.06	0.8	0.30	--	3630 3021	1931
9N/22W-15L 1 S 8-13-65	--	8.1	492	64 3.19 57	16 1.32 23	23 1.00 18	5 0.13 2	0	317 5.20 91	14 0.29 5	7 0.20 4	1 0.02	0.2	0.03	--	330 286	226

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
CUYAMA VALLEY HYDRO SUBUNIT T12CO — SANTA MARIA-CUYAMA HYDRO UNIT T1200																	
9N/24W-19F 1 S	--	7.9	1825	235	101	80	4	0	190	950	13	4	1.7	0.24	--	1560	1003
4-27-65				11.73	8.31	3.48	0.10		3.11	19.78	0.37	0.06					
				50	35	15			13	85	2					1482	
	--	7.4	1905	247	95	84	4	0	193	977	12	4	1.2	0.24	--	1610	1008
9-28-65				12.33	7.81	3.65	0.10		3.16	20.34	0.34	0.06					
				52	33	15			13	85	1					1519	
9N/24W-32Q 2 S	66	7.8	1650	170	134	86	3	0	190	965	17	0.0	0.8	0.18	--	1646	976
3-28-65				8.48	11.02	3.74	0.08		3.11	20.09	0.48						
				36	47	16			13	85	2					1469	
9N/25W-14R 2 S	--	7.6	1887	230	109	93	4	0	173	1012	13	3	0.9	0.16	--	1570	1023
4-27-65				11.48	8.96	4.04	0.10		2.84	21.07	0.37	0.05					
				47	36	16			12	87	2					1550	
	66	7.4	1942	259	102	95	4	0	239	1020	14	1	0.6	0.18	--	1710	1066
9-28-65				12.92	8.39	4.13	0.10		3.92	21.24	0.39	0.02					
				51	33	16			15	83	2					1613	
10N/25W-20H 1 S	62	8.1	1773	221	97	72	4	0	149	916	14	4	1.3	0.20	--	1550	951
4-27-65				11.03	7.98	3.13	0.10		2.44	19.07	0.39	0.06					
				50	36	14			11	87	2					1403	
	62	7.7	1825	238	93	76	4	0	175	932	13	4	1.2	0.22	--	1535	977
9-28-65				11.88	7.65	3.30	0.10		2.87	19.40	0.37	0.06					
				52	33	14			13	85	2					1447	
10N/25W-21G 1 S	62	7.9	2358	315	139	100	5	0	203	1285	21	35	1.5	0.24	--	2200	1359
4-27-65				15.72	11.43	4.35	0.13		3.33	26.75	0.59	0.56					
				50	36	14			11	86	2	2				2002	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
CUYAMA VALLEY HYDRO SUBUNIT T12C0 — SANTA MARIA-CUYAMA HYDRO UNIT T1200																	
10N/25W-22E 1 S	63	7.8	2055	268	116	85	4	0	176	1087	18	24	1.3	0.22	--	1840	1146
4-27-65				13.37	9.54	3.70	0.10		2.88	22.63	0.51	0.39					
				50	36	14			11	86	2	1				1690	
	63	7.4	2096	282	107	90	5	0	193	1092	18	20	1.2	0.24	--	1810	1144
9-28-65				14.07	8.80	3.91	0.13		3.16	22.74	0.51	0.32					
				52	33	15			12	85	2	1				1710	
10N/25W-23E 1 S	--	7.8	2200	226	87	175	6	0	139	944	158	5	1.3	1.40	--	1720	922
4-27-65				11.28	7.15	7.61	0.15		2.28	19.65	4.46	0.08					
				43	27	29	1		9	74	17					1672	
10N/25W-30F 2 S	64	8.1	1768	212	102	72	4	0	153	903	16	18	1.1	0.16	--	1558	949
4-27-65				10.58	8.39	3.13	0.10		2.51	18.80	0.45	0.29					
				48	38	14			11	85	2	1				1403	
	63	7.5	1802	221	102	74	4	0	180	901	18	21	1.1	0.14	--	1526	972
9-28-65				11.03	8.39	3.22	0.10		2.95	18.76	0.51	0.34					
				49	37	14			13	83	2	2				1431	
10N/25W-32H 1 S	63	8.1	1785	218	102	70	4	0	167	875	20	39	1.3	0.16	--	1580	964
4-27-65				10.88	8.39	3.04	0.10		2.74	18.22	0.56	0.63					
				49	37	14			12	82	3	3				1412	
10N/26W- 4R 1 S	--	8.1	1908	229	90	108	4	0	165	925	39	2.5	0.9	0.62	--	1545	942
4-27-65				11.43	7.40	4.70	0.10		2.70	19.26	1.10	0.04					
				48	31	20			12	83	5					1480	
	--	7.6	1874	225	90	102	4	0	168	921	33	3	1.1	0.56	--	1562	932
9-28-65				11.23	7.40	4.43	0.10		2.75	19.18	0.93	0.05					
				48	32	19			12	84	4					1462	

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 80°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
CUYAMA VALLEY HYDRO SUBUNIT T12C0 — SANTA MARIA-CUYAMA HYDRO UNIT T1200																	
10N/26W- 9R 3 S	67	8.0	1989	259	91	92	4	0	151	1028	24	10	0.9	0.25	--	1646	1021
4-27-65				12.92	7.48	4.00	0.10		2.47	21.40	0.68	0.16					
				53	31	16			10	87	3	1				1583	
	66	7.4	1980	263	100	91	5	0	181	1034	20	10	1.1	0.18	--	1708	1068
9-28-65				13.12	8.22	3.96	0.13		2.97	21.53	0.56	0.16					
				52	32	16	1		12	85	2	1				1613	
10N/26W-14CS1 S	74	8.0	1995	265	106	89	5	0	165	1049	21	2	1.1	0.26	--	1715	1098
4-27-65				13.22	8.72	3.87	0.13		2.70	21.84	0.59	0.03					
				51	34	15	1		11	87	2					1619	
	64	7.6	2033	263	110	91	6	0	189	1065	19	1	1.5	0.22	--	1782	1109
9-28-65				13.12	9.05	3.96	0.15		3.10	22.17	0.54	0.02					
				50	34	15	1		12	86	2					1650	
10N/26W-14C 4 S	64	8.1	2072	286	111	83	4	0	179	1070	30	11	1.1	0.23	--	1738	1171
4-27-65				14.27	9.13	3.61	0.10		2.93	22.28	0.85	0.18					
				53	34	13			11	85	3	1				1684	
	63	7.3	2095	285	117	80	4	0	175	1108	30	16	1.3	0.16	--	1845	1193
9-28-65				14.22	9.62	3.48	0.10		2.87	23.07	0.85	0.26					
				52	35	13			11	85	3	1				1727	
10N/26W-23P 1 S	69	7.9	2099	285	102	99	5	0	137	1089	41	10	0.7	0.23	--	1836	1131
4-27-65				14.22	8.39	4.30	0.13		2.25	22.67	1.16	0.16					
				53	31	16			9	86	4	1				1699	
	68	7.4	2082	281	106	91	5	0	155	1094	35	11	0.8	0.16	--	1835	1138
9-28-65				14.02	8.72	3.96	0.13		2.54	22.78	0.99	0.18					
				52	33	15			10	86	4	1				1700	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
CUYAMA VALLEY HYDRO SUBUNIT T12C0 — SANTA MARIA-CUYAMA HYDRO UNIT T1200																	
10N/27W-11C 1 S 4-27-65	--	7.5	4941	541 27.00 37	317 26.07 36	458 19.91 27	7 0.18	0	442 7.24 10	2956 61.54 86	100 2.82 4	13 0.21	1.0	0.61	--	5088 4611	2656
10N/28W-18R 1 S 2-25-65	--	8.0	900	78 3.89 33	71 5.84 50	45 1.96 17	2 0.05	0	318 5.21 44	299 6.23 52	17 0.48 4	0.0	0.2	0	--	754 669	487

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN ANTONIO HYDRO UNIT T1300																	
7N/32W- 1B 1 S	--	8.2	620	54	19	41	2	0	207	11	76	24	0.1	0.07	--	385	213
7- 9-65				2.69	1.56	1.78	0.05		3.39	0.23	2.14	0.39					
				44	26	29	1		55	4	35	6				329	
8N/32W-30H 6 S	66	8.2	868	75	27	63	3	0	178	182	73	5	0.4	0.12	--	580	298
9-29-65				3.74	2.22	2.74	0.08		2.92	3.79	2.06	0.08					
				43	25	31	1		33	43	23	1				516	
8N/32W-30H 7 S	--	7.4	580	46	18	50	3	0	137	88	67	0.0	0.2	0.02	--	410	189
10- 7-64				2.30	1.48	2.17	0.08		2.25	1.83	1.89						
				38	25	36	1		38	31	32					340	
	65	7.0	628	47	19	48	3	0	122	103	63	7	0.4	0.09	--	415	196
9-29-65				2.35	1.56	2.09	0.08		2.00	2.14	1.78	0.11					
				39	26	34	1		33	35	30	2				350	
8N/33W-20R 1 S	--	8.0	1250	116	49	96	3	0	414	194	114	0.0	0.1	0.14	--	846	491
10- 7-64				5.79	4.03	4.17	0.08		6.79	4.04	3.21						
				41	29	30	1		48	29	23					776	
	67	7.7	1315	126	51	99	2	0	439	190	128	0	0.3	0.18	--	888	524
7- 9-65				6.29	4.19	4.30	0.05		7.20	3.96	3.61						
				42	28	29			49	27	24					812	
8N/34W-16G 1 S	--	7.7	860	78	22	69	4	0	233	107	93	0.0	0.2	0.07	--	538	285
10- 7-64				3.89	1.81	3.00	0.10		3.82	2.23	2.62						
				44	21	34	1		44	26	30					488	
8N/34W-16G 2 S	72	7.8	809	73	14	72	2	0	209	77	105	0	0.8	0.07	--	486	240
7- 9-65				3.64	1.15	3.13	0.05		3.43	1.60	2.96						
				46	14	39	1		43	20	37					447	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN ANTONIO HYDRO UNIT T1300																	
8N/34W-23B 3 S	--	7.8	1300	87	39	130	6	0	244	136	214	14	0.2	0.20	--	822	378
10- 7-64				4.34	3.21	5.65	0.15		4.00	2.83	6.03	0.23					
				33	24	42	1		31	22	46	2				746	
	65	7.5	1318	94	37	120	5	0	240	135	202	23	0.1	0.18	--	806	387
7- 9-65				4.69	3.04	5.22	0.13		3.93	2.81	5.70	0.37					
				36	23	40	1		31	22	44	3				734	
9N/35W-23R 1 S	65	7.5	5587	236	192	840	5	0	631	1022	1170	19	0.3	3.20	37	4070	1380
11-30-64				11.78	15.79	36.52	0.13		10.34	21.28	32.99	0.31					
				18	25	57			16	33	51					3835	
9N/35W-26C 1 S	--	7.5	1587	62	40	209	5	0	298	151	252	45	0.8	0.50	48	950	319
11-30-64				3.09	3.29	9.09	0.13		4.88	3.14	7.11	0.73					
				20	21	58	1		31	20	45	5				960	

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOMPOC HYDRO SUBUNIT T14A0 — SANTA YNEZ HYDRO UNIT T1400																	
7N/33W-30B 1 S	68	7.6	1418	52	38	152	5	0	54	25	384	25	0.5	0.08	--	930	286
7- 6-65				2.59	3.13	6.61	0.13		0.89	0.52	10.83	0.40					
				21	25	53	1		7	4	86	3				708	
	--	7.3	1477	57	36	160	5	0	60	30	388	28	0.3	0.13	--	1047	290
9-22-65				2.84	2.96	6.96	0.13		0.98	0.62	10.94	0.45					
				22	23	54	1		8	5	84	3				734	
7N/34W-19J 1 S	71	7.7	1454	134	45	110	6	0	248	278	178	4.5	0.4	0.30	--	996	520
7- 7-65				6.69	3.70	4.78	0.15		4.06	5.79	5.02	0.07					
				44	24	31	1		27	39	34					878	
7N/34W-19J 3 S	69	7.4	1727	173	56	125	7	0	323	360	198	5	0.4	0.26	--	1279	663
7- 7-65				8.63	4.61	5.44	0.18		5.29	7.50	5.58	0.08					
				46	24	29	1		29	41	30					1083	
7N/34W-19L 2 S	69	7.9	1818	152	63	154	6	0	287	366	256	0.8	0.4	0.40	--	1299	639
7- 7-65				7.58	5.18	6.70	0.15		4.70	7.62	7.22	0.01					
				39	26	34	1		24	39	37					1140	
7N/34W-20L 1 S	71	7.8	1451	164	42	90	4	0	334	256	167	0	0.4	0.24	--	1090	582
7- 7-65				8.18	3.45	3.91	0.10		5.47	5.33	4.71						
				52	22	25	1		35	34	30					888	
7N/34W-20M 2 S	70	7.8	1441	115	38	130	7	0	259	191	230	9	0.5	0.36	--	930	444
7- 7-65				5.74	3.13	5.65	0.18		4.25	3.98	6.49	0.15					
				39	21	38	1		29	27	44	1				848	
7N/34W-28G 1 S	--	8.0	2122	158	117	184	5	0	321	707	167	0	0.6	0.93	--	1750	876
7- 6-65				7.88	9.62	8.00	0.13		5.26	14.72	4.71						
				31	38	31	1		21	60	19					1497	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOMPOC HYDRO SUBUNIT T14A0 — SANTA YNEZ HYDRO UNIT T1400																	
7N/34W-29K 2 S	65	7.6	2519	252	153	140	6	0	471	855	204	3	0.9	0.60	--	1980	1259
7- 7-65				12.57	12.58	6.09	0.15		7.72	17.80	5.75	0.05					
				40	40	19			25	57	18					1846	
	65	8.1	2319	199	144	143	5	0	244	871	205	2	0.5	0.55	--	1895	1089
9-22-65				9.93	11.84	6.22	0.13		4.00	18.13	5.78	0.03					
				35	42	22			14	65	21					1690	
7N/34W-35H 1 S	64	8.1	3414	72	101	493	12	0	318	326	743	26	0.4	1.38	--	1994	595
8-15-65				3.59	8.31	21.44	0.31		5.21	6.79	20.95	0.42					
				11	25	64	1		16	20	63	1				1931	
7N/35W-17K 1 S	--	7.7	8432	32	322	1150	21	0	472	846	2351	26	0.6	0.43	--	6206	2127
5- 0-65				16.02	26.48	50.00	0.54		7.74	17.61	66.30	0.42					
				17	28	54	1		8	19	72					5270	
7N/35W-17M 1 S	--	8.2	17857	80	479	3200	100	0	251	615	6015	16	0.6	1.60	--	11745	2171
4- 8-65				3.99	39.39	139.14	2.56		4.11	12.80	169.62	0.26					
				2	21	75	1		2	7	91					10631	
7N/35W-18H 2 S	64	7.1	31450	264	998	6150	61	0	264	1653	11550	10	1.2	2.30	--	21800	4766
4- 8-65				13.17	82.08	267.40	1.56		4.33	34.42	325.71	0.16					
				4	23	73			1	9	89					20819	
7N/35W-18J 1 S	--	8.0	5365	58	93	952	34	0	486	89	1518	10	0.5	1.08	--	3054	527
7- 7-65				2.89	7.65	41.39	0.87		7.97	1.85	42.81	0.16					
				5	14	78	2		15	4	81					2994	
	--	7.8	5682	63	91	975	36	0	505	82	1560	8	0.5	1.06	--	3125	531
10- 1-65				3.14	7.48	42.39	0.92		8.28	1.71	43.99	0.13					
				6	14	79	2		15	3	81					3065	

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOMPOC HYDRO SUBUNIT T14A0 — SANTA YNEZ HYDRO UNIT T1400																	
7N/35W-21L 4 S	--	7.7	2700	151	106	295	7	0	412	407	495	5	0.6	0.34	--	1800	813
7- 7-65				7.53	8.72	12.83	0.18		6.75	8.47	13.96	0.08					
				26	30	44	1		23	29	48					1669	
7N/35W-22M 1 S	63	7.7	1764	127	47	164	6	0	268	156	348	1	0.3	0.14	--	1080	511
7- 7-65				6.34	3.87	7.13	0.15		4.39	3.25	9.81	0.02					
				36	22	41	1		25	19	56					981	
7N/35W-23E 2 S	62	7.7	2413	172	101	210	7	0	488	456	315	4	0.6	0.58	--	1680	845
7- 7-65				8.58	8.31	9.13	0.18		8.00	9.49	8.88	0.06					
				33	32	35	1		30	36	34					1506	
7N/35W-24E 2 S	--	7.8	2500	165	108	230	10	0	378	574	320	18	0.4	0.63	--	1737	856
9-22-65				8.23	8.88	10.00	0.26		6.20	11.95	9.02	0.29					
				30	32	37	1		23	44	33	1				1612	
7N/35W-24K 2 S	66	7.6	2732	179	95	280	12	0	339	428	510	15	0.5	0.72	--	1830	838
7- 7-65				8.93	7.81	12.17	0.31		5.56	8.91	14.38	0.24					
				31	27	42	1		19	31	49	1				1687	
	65	8.0	2549	151	88	258	8	0	261	445	455	12	0.3	0.63	--	1689	739
9-22-65				7.53	7.24	11.22	0.20		4.28	9.26	12.83	0.19					
				29	28	43	1		16	35	48	1				1546	
7N/35W-25D 1 S	63	7.6	2667	219	159	190	10	0	346	880	290	9	0.7	0.70	--	2050	1201
7- 6-65				10.93	13.08	8.26	0.26		5.67	18.32	8.18	0.15					
				34	40	25	1		18	57	25					1929	
	64	8.1	2718	177	149	193	8	0	208	863	280	7	0.5	0.73	--	1956	1055
9-22-65				8.83	12.25	8.39	0.20		3.41	17.97	7.90	0.11					
				30	41	28	1		12	61	27					1780	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOMPOC HYDRO SUBUNIT T14A0 — SANTA YNEZ HYDRO UNIT T1400																	
7N/35W-33J 3 S 7- 7-65	67	7.9	1232	109 5.44 43	44 3.62 29	78 3.39 27	5 0.13 1	0	205 3.36 27	142 2.96 24	220 6.20 49	3 0.05	0.4	0.06	--	850 702	453

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA RITA HYDRO SUBUNIT T1480				SANTA YNEZ HYDRO UNIT T1400													
6N/32W-18H 1 S	64	7.8	2765	213	184	181	4	0	309	1003	264	24	1.3	0.76	--	2325	1289
7- 6-65				10.63	15.13	7.87	0.10		5.06	20.88	7.44	0.39					
				32	45	23			15	62	22	1				2027	
	--	7.5	3100	328	168	193	3	0	657	994	268	22	1.6	0.80	--	2498	1511
9-22-65				16.37	13.82	8.39	0.08		10.77	20.70	7.56	0.35					
				42	36	22			27	53	19	1				2301	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA YNEZ HYDRO UNIT T1400																	
BUELLTON HYDRO SUBUNIT T14C0																	
6N/31W-17L 1 S 7- 9-65	65	7.8	1323	119 5.94 38	83 6.83 43	66 2.87 18	3 0.08 1	0	442 7.24 46	316 6.58 42	62 1.75 11	14 0.23 1	0.7	0.38	--	950 881	639

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C	TDS Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA YNEZ HYDRO SUBUNIT T14D0 — SANTA YNEZ HYDRO UNIT T1400																		
6N/29W- 7L 2 S	--	8.1	500	44	36	22	2	0	310	7	29	4	0.4	0.05	--	346		258
10-19-64				2.20	2.96	0.96	0.05		5.08	0.15	0.82	0.06						
				36	48	16	1		83	2	13	1					297	
6N/29W-17A 1 S	--	8.0	680	65	39	19	1	0	376	3	29	8	0.2	0.02	--	410		323
10-19-64				3.24	3.21	0.83	0.03		6.16	0.06	0.82	0.13						
				44	44	11			86	1	11	2					349	
6N/30W- 2N 1 S	--	8.3	876	44	36	96	4	15	395	42	51	3	0.2	0.18	54	530		258
10-13-64				2.20	2.96	4.17	0.10	0.50	6.47	0.87	1.44	0.05						
				23	31	44	1	5	69	9	15	1					540	
	82	8.2	774	22	41	92	3	0	383	41	51	4	0.4	0.20	--	480		224
7- 9-65				1.10	3.37	4.00	0.08		6.28	0.85	1.44	0.06						
				13	39	47	1		73	10	17	1					443	
6N/30W- 7C 4 S	--	8.0	560	34	49	25	1	0	276	16	64	8	0.1	0.09	--	386		287
10-13-64				1.70	4.03	1.09	0.03		4.52	0.33	1.80	0.13						
				25	59	16			67	5	27	2					333	
	68	7.9	637	24	56	23	2	0	283	12	62	11	0.3	0.06	--	410		291
7- 9-65				1.20	4.61	1.00	0.05		4.64	0.25	1.75	0.18						
				17	67	15	1		68	4	26	3					329	
6N/30W-24H 1 S	--	8.0	960	100	48	50	3	0	295	269	24	0.0	0.3	0.33	--	768		447
10-13-64				4.99	3.95	2.17	0.08		4.84	5.60	0.68							
				45	35	19	1		44	50	6						640	
7N/29W-15L 1 S	--	7.9	485	16	55	5	2	0	315	0	13	2.2	0	0	--	288		266
6-21-65				0.80	4.52	0.22	0.05		5.16		0.37	0.04						
				14	81	4	1		93		7	1					248	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA YNEZ HYDRO SUBUNIT T1400									SANTA YNEZ HYDRO UNIT T1400								
7N/29W-29R 2 S	--	7.9	750	59	73	33	1	0	496	59	33	5	0.2	0.20	--	542	447
10-19-64				2.94	6.00	1.43	0.03		8.13	1.23	0.93	0.08					
				28	58	14			78	12	9	1				507	
7N/30W-24Q 1 S	--	7.8	1210	59	90	74	3	0	653	30	73	14	0.1	0.16	--	698	517
10-19-64				2.94	7.40	3.22	0.08		10.70	0.62	2.06	0.23					
				22	54	24	1		79	5	15	2				664	
7N/30W-33M 1 S	--	8.0	727	25	74	23	2	0	420	15	33	10	0.4	0.10	--	450	367
7- 9-65				1.25	6.09	1.00	0.05		6.88	0.31	0.93	0.16					
				15	73	12	1		83	4	11	2				389	
7N/31W-23N 5 S	64	8.2	894	75	62	36	2	0	378	158	29	15	0.7	0.12	--	610	442
7- 9-65				3.74	5.10	1.57	0.05		6.20	3.29	0.82	0.24					
				36	49	15			59	31	8	2				564	
8N/29W-34K 1 S	--	8.8	1450	184	60	29	3	40	636	150	19	2.4	0	0.20	--	824	706
6-21-65				9.18	4.93	1.26	0.08	1.33	10.42	3.12	0.54	0.04					
				59	32	8	1	9	67	20	3					800	
8N/30W-29Q 1 S	--	7.8	680	20	94	10	1	0	493	15	20	7	0.1	0.02	--	464	437
10-19-64				1.00	7.73	0.43	0.03		8.08	0.31	0.56	0.11					
				11	84	5			89	3	6	1				410	
8N/30W-35G 1 S	--	7.4	540	53	27	28	7	0	125	174	24	0.0	0.4	0.05	--	436	243
2-28-65				2.64	2.22	1.22	0.18		2.05	3.62	0.68						
				42	35	19	3		32	57	11					375	

TABLE 2-T

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
HEADWATER HYDRO SUBUNIT T14E0 — SANTA YNEZ HYDRO UNIT T1400																	
5N/25W-14M 1 S	--	8.1	1350	175	23	80	3	5	334	401	9	2.2	0.4	0.84	--	800	531
6-21-65				8.73	1.89	3.48	0.08	0.17	5.47	8.35	0.25	0.04					
				62	13	25	1	1	38	58	2					864	
6N/29W- 9J 1 S	--	7.6	810	50	63	60	3	0	383	79	82	6	0.2	0.13	--	628	384
10-19-64				2.50	5.18	2.61	0.08		6.28	1.64	2.31	0.10					
				24	50	25	1		61	16	22	1				532	
7N/29W-10P 1 S	--	8.1	2018	152	55	168	5	0	720	308	48	2.2	1.3	0.10	--	1100	605
6-21-65				7.58	4.52	7.30	0.13		11.80	6.41	1.35	0.04					
				39	23	37	1		60	33	7					1094	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
ARGUELLO HYDRO SUBUNIT T15A0 — SANTA BARBARA HYDRO UNIT T1500																	
4N/30W-1B 1 S	70	7.5	1488	235	15	88	3	0	236	544	57	1	1.3	0.23	--	1135	649
9-29-65				11.73	1.23	3.83	0.08		3.87	11.33	1.61	0.02					
				70	7	23			23	67	10					1061	
5N/30W-30N 1 S	--	8.2	875	84	30	66	2	0	301	170	39	0	0.5	0.08	--	567	333
6- 9-65				4.19	2.47	2.87	0.05		4.93	3.54	1.10						
				44	26	30	1		52	37	11					540	
5N/30W-31N 1 S	--	7.5	2289	239	91	178	4	0	441	669	201	0	0.8	0.49	--	1737	971
6- 9-65				11.93	7.48	7.74	0.10		7.23	13.93	5.67						
				44	27	28			27	52	21					1600	
5N/30W-31N 2 S	--	7.9	2002	196	81	152	4	0	368	625	148	0.6	0.7	0.38	--	1543	823
6- 9-65				9.78	6.66	6.61	0.10		6.03	13.01	4.17	0.01					
				42	29	29			26	56	18					1389	
5N/32W-34K 1 S	--	7.8	2927	76	17	500	5	0	205	92	780	1	1.8	7.70	--	1605	260
8- 5-65				3.79	1.40	21.74	0.13		3.36	1.92	22.00	0.02					
				14	5	80			12	7	81					1581	
5N/34W-32A 1 S	--	7.4	639	68	18	38	1	0	207	83	50	0	0.4	0.01	--	400	244
8- 3-65				3.39	1.48	1.65	0.03		3.39	1.73	1.41						
				52	23	25			52	26	22					360	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap. 180°C / Evap. 105°C / Computed	Total hardness as $CaCO_3$
SOUTH COAST HYDRO SUBUNIT T15C0 — SANTA BARBARA HYDRO UNIT T1500																	
GOLETA HYDRO SUBAREA T15C1																	
4N/28W- 3Q 9 S	65	7.2	1078	124	38	63	1	0	332	244	52	3	0.6	0.02	--	762	466
7- 9-65				6.19	3.13	2.74	0.03		5.44	5.08	1.47	0.05					
				51	26	23			45	42	12					689	
	66	8.0	1093	121	36	65	1	0	309	244	58	2	0.5	0.06	--	738	450
9-21-65				6.04	2.96	2.83	0.03		5.06	5.08	1.64	0.03					
				51	25	24			43	43	14					679	
4N/28W- 8N 3 S	--	8.2	1492	138	48	138	3	0	444	290	127	10	0.4	0.23	--	1027	542
10-12-64				6.89	3.95	6.00	0.08		7.28	6.04	3.58	0.16					
				41	23	35			43	35	21	1				973	
	--	7.7	1071	58	29	132	3	0	288	158	110	5	0.3	0.24	--	640	264
7- 9-65				2.89	2.38	5.74	0.08		4.72	3.29	3.10	0.08					
				26	21	52	1		42	29	28	1				637	
	--	8.2	1586	133	40	168	3	0	436	308	133	7.5	0.5	0.36	--	1053	497
9-21-65				6.64	3.29	7.30	0.08		7.15	6.41	3.75	0.12					
				38	19	42			41	37	22	1				1008	
4N/28W-12K 2 S	--	7.7	1479	138	42	88	2	0	346	321	62	3	0.6	0.14	33	905	517
10-26-64				6.89	3.45	3.83	0.05		5.67	6.68	1.75	0.05					
				48	24	27			40	47	12					860	
	--	7.8	1129	96	47	90	2	0	220	339	72	4	0.7	0.18	--	760	433
6-14-65				4.79	3.87	3.91	0.05		3.61	7.06	2.03	0.06					
				38	31	31			28	55	16					759	
	70	7.8	1217	113	42	88	2	0	262	319	75	1.0	0.5	0.15	--	850	455
9-21-65				5.64	3.45	3.83	0.05		4.29	6.64	2.12	0.02					
				43	27	30			33	51	16					769	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SOUTH COAST HYDRO SUBUNIT T15C0 — SANTA BARBARA HYDRO UNIT T1500																	
GOLETA HYDRO SUBAREA T15C1																	
4N/28W-16J 1 S	68	7.7	850	78	30	62	2	0	225	205	39	0	0.5	0.02	--	572	318
7- 9-65				3.89	2.47	2.70	0.05		3.69	4.27	1.10						
				43	27	30	1		41	47	12					527	
	70	7.9	1031	123	29	60	3	0	349	205	40	0.5	0.5	0.08	--	671	426
9-21-65				6.14	2.38	2.61	0.08		5.72	4.27	1.13	0.01					
				55	21	23	1		51	38	10					633	
4N/28W-17R 1 S	--	8.2	948	31	23	132	8	0	365	8	113	16	0.3	0.35	--	507	172
10-12-64				1.55	1.89	5.74	0.20		5.98	0.17	3.19	0.26					
				17	20	61	2		62	2	33	3				511	
	--	8.4	885	28	22	132	9	10	329	0	112	18	0.4	0.36	--	510	161
7- 9-65				1.40	1.81	5.74	0.23	0.33	5.39		3.16	0.29					
				15	20	63	3	4	59		34	3				493	
	--	8.2	931	32	22	132	8	0	353	12	114	11	0.3	0.36	--	504	171
9-21-65				1.60	1.81	5.74	0.20		5.79	0.25	3.21	0.18					
				17	19	61	2		61	3	34	2				505	
4N/29W-14A 2 S	--	8.4	3241	34	146	425	7	13	266	356	705	20	0.5	0.40	--	1879	686
10-12-64				1.70	12.01	18.48	0.18	0.43	4.36	7.41	19.88	0.32					
				5	37	57	1	1	13	23	61	1				1838	
	--	8.6	3328	57	153	428	6	20	278	400	725	9	0.5	0.38	--	2034	772
7-12-65				2.84	12.58	18.61	0.15	0.67	4.56	8.33	20.45	0.15					
				8	37	54		2	13	24	60					1935	
	--	7.5	4093	145	184	448	10	0	802	338	797	9	0.4	0.52	--	2487	1119
9-21-65				7.24	15.13	19.48	0.26		13.14	7.04	22.48	0.15					
				17	36	46	1		31	16	53					2326	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SOUTH COAST HYDRO SUBUNIT T15C0 — SANTA BARBARA HYDRO UNIT T1500																	
GOLETA HYDRO SUBAREA T15C1																	
5N/27W-31E 1 S	--	7.8	1649	296	24	80	3	13	298	720	11	2.3	0.5	0.42	--	1224	838
6-21-65				14.77	1.97	3.48	0.08	0.43	4.88	14.99	0.31	0.04					
				73	10	17		2	24	73	2					1297	
SANTA BARBARA HYDRO SUBAREA T15C2																	
4N/27W-18C 1 S	69	7.8	913	97	28	58	4	0	251	195	52	5	0.6	0.24	--	560	357
8- 5-65				4.84	2.30	2.52	0.10		4.11	4.06	1.47	0.08					
				50	24	26	1		42	42	15	1				563	
CARPINTERIA HYDRO SUBAREA T15C4																	
4N/25W-21N 4 S	--	8.1	851	84	34	61	1	0	385	102	42	11	0.5	0.10	--	560	350
10-12-64				4.19	2.80	2.65	0.03		6.31	2.12	1.18	0.18					
				43	29	27			64	22	12	2				525	
	--	8.1	870	78	35	64	2	0	372	102	43	7	0.5	0.11	--	534	339
6-14-65				3.89	2.88	2.78	0.05		6.10	2.12	1.21	0.11					
				41	30	29	1		64	22	13	1				515	
	--	8.1	839	74	30	62	2	0	345	102	45	1.0	0.5	0.11	--	484	308
9-21-65				3.69	2.47	2.70	0.05		5.65	2.12	1.27	0.02					
				41	28	30	1		62	23	14					486	
4N/25W-22R 3 S	--	8.0	840	106	24	47	1	0	256	149	64	18	0.2	0.05	--	540	363
10-12-64				5.29	1.97	2.04	0.03		4.20	3.10	1.80	0.29					
				57	21	22			45	33	19	3				535	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SOUTH COAST HYDRO SUBUNIT T15C0 — SANTA BARBARA HYDRO UNIT T1500																	
CARPINTERIA HYDRO SUBAREA T15C4																	
4N/25W-22R 3 S	64	8.0	727	68	27	51	2	0	188	164	30	36	0.6	0.12	--	470	281
6-14-65				3.39	2.22	2.22	0.05		3.08	3.41	0.85	0.58					
				43	28	28	1		39	43	11	7				471	
	63	7.9	874	99	27	50	1	0	289	157	33	25	0.4	0.11	--	550	358
9-21-65				4.94	2.22	2.17	0.03		4.74	3.27	0.93	0.40					
				53	24	23			51	35	10	4				535	
4N/25W-25L 7 S	--	7.9	900	67	59	60	1	0	368	124	68	10	0.2	0.13	--	622	410
3-16-65				3.34	4.85	2.61	0.03		6.03	2.58	1.92	0.16					
				31	45	24			56	24	18	1				570	
4N/25W-26B 2 S	66	7.8	714	68	31	38	2	0	210	155	25	8	0.5	0.06	--	450	297
6-10-65				3.39	2.55	1.65	0.05		3.44	3.23	0.71	0.13					
				44	33	22	1		46	43	9	2				431	
	--	7.6	824	93	30	40	1	0	292	151	31	6	0.4	0.04	--	525	356
9-21-65				4.64	2.47	1.74	0.03		4.79	3.14	0.87	0.10					
				52	28	20			54	35	10	1				496	
4N/25W-28N 3 S	--	8.2	1280	134	45	92	4	0	409	235	109	1	1.0	0.14	--	872	520
10-12-64				6.69	3.70	4.00	0.10		6.70	4.89	3.07	0.02					
				46	26	28	1		46	33	21					822	
	66	7.6	1342	142	45	86	3	0	445	220	100	1.0	0.5	0.21	--	866	540
9-21-65				7.09	3.70	3.74	0.08		7.29	4.58	2.82	0.02					
				49	25	26	1		50	31	19					817	
4N/25W-28P 2 S	67	7.7	979	96	29	71	3	0	355	109	75	1	0.5	0.22	--	590	359
9-28-65				4.79	2.38	3.09	0.08		5.82	2.27	2.12	0.02					
				46	23	30	1		57	22	21					559	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap. 80°C / Evap. 105°C / Computed	Total hardness as $CaCO_3$
SOUTH COAST HYDRO SUBUNIT T15C0 — SANTA BARBARA HYDRO UNIT T1500																	
CARPINTERIA HYDRO SUBAREA T15C4																	
4N/25W-29D 3 S	--	8.0	785	89	26	52	1	0	350	116	27	4.3	0.4	0.07	--	520	329
10-12-64				4.44	2.14	2.26	0.03		5.74	2.42	0.76	0.07					
				50	24	25			64	27	8	1				488	
	65	7.9	646	50	26	51	2	0	224	120	24	5	0.6	0.06	--	380	232
6-14-65				2.50	2.14	2.22	0.05		3.67	2.50	0.68	0.08					
				36	31	32	1		53	36	10	1				389	
	65	7.9	821	90	24	52	1	0	345	117	28	3	0.4	0.06	--	513	323
9-21-65				4.49	1.97	2.26	0.03		5.65	2.44	0.79	0.05					
				51	23	26			63	27	9	1				485	
4N/26W-23H 1 S	--	7.4	1650	138	69	148	1	0	527	170	206	40	0.2	0.25	--	1062	629
6- 2-65				6.89	5.67	6.44	0.03		8.64	3.54	5.81	0.65					
				36	30	34			46	19	31	3				1032	
4N/26W-24E 4 S	--	8.1	1000	50	37	121	2	0	393	63	115	0	0.2	0.30	--	588	277
6- 2-65				2.50	3.04	5.26	0.05		6.44	1.31	3.24						
				23	28	48			59	12	29					582	
4N/26W-24F 4 S	68	7.4	1400	74	62	150	2	0	421	67	226	30	0.6	0.70	--	970	440
6- 2-65				3.69	5.10	6.52	0.05		6.90	1.39	6.37	0.48					
				24	33	42			46	9	42	3				819	
4N/26W-24F 7 S	--	7.4	1617	122	61	128	1	--	418	57	276	79	0.9	0.46	--	1014	556
10-12-64				6.09	5.02	5.57	0.03		6.85	1.19	7.78	1.27					
				36	30	33			40	7	46	7				931	
	--	7.9	1232	52	46	132	2	0	281	56	208	36	1.4	0.60	--	650	319
6-14-65				2.59	3.78	5.74	0.05		4.61	1.17	5.87	0.58					
				21	31	47			38	10	48	5				672	

TABLE E-1

ANALYSES OF GROUND WATER
CENTRAL COASTAL DRAINAGE PROVINCE (T)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SOUTH COAST HYDRO SUBUNIT T15C0 — SANTA BARBARA HYDRO UNIT T1500																	
CARPINTERIA HYDRO SUBAREA T15C4																	
4N/26W-24F 7 S 9-21-65	--	8.0	1440	91 4.54 32	45 3.70 26	139 6.04 42	1 0.03	0	384 6.29 43	58 1.21 8	229 6.46 44	37 0.60 4	1.0	0.65	--	804 790	412

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
RINCON CREEK HYDRO UNIT U0100																	
4N/24W-33M 1 S 3-15-65	--	7.7	1490	218 10.88 55	69 5.67 29	71 3.09 16	2 0.05	0	365 5.98 30	599 12.47 62	54 1.52 8	0.0	0.6	0.35	--	1310 1193	828

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER VENTURA R HYDRO SUBUNIT U02A0 — VENTURA RIVER HYDRO UNIT U0200																	
2N/23W- 5L 1 S 10-21-64	--	7.7	2200	224 11.18 40	73 6.00 22	242 10.52 38	8 0.20 1	0	400 6.56 23	503 10.47 37	397 11.20 40	6.0 0.10	0.2	1.00	--	1894 1651	860
2N/23W- 5P 1 S 10-21-64	--	7.5	3600	427 21.31 47	120 9.87 22	320 13.91 31	9 0.23 1	0	356 5.83 13	526 10.95 24	996 28.09 63	4.0 0.06	0.1	0.84	--	3114 2578	1560
3N/23W- 8B 2 S 3-15-65	--	7.7	1180	123 6.14 42	64 5.26 36	70 3.04 21	3 0.08 1	0	353 5.79 39	300 6.25 42	84 2.37 16	19 0.31 2	0.2	0.60	--	860 837	570

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER VENTURA R HYDRO SUBUNIT U02B0 — VENTURA RIVER HYDRO UNIT U0200																	
3N/23W- 5B 1 S 10-20-64	--	7.9	1084	130 6.49 54	36 2.96 24	59 2.57 21	3 0.08 1	0	301 4.93 41	263 5.48 45	54 1.52 13	9.0 0.15 1	0.7	0.54	24	793 727	473
3N/23W- 5H 1 S 10-20-64	--	7.1	1160	132 6.59 54	34 2.80 23	62 2.70 22	2 0.05	0	297 4.87 64	64 1.33 17	48 1.35 18	6.0 0.10 1	0.2	0.54	--	778 495	470
4N/23W- 9B 1 S 10-24-64	--	7.2	1000	99 4.94 43	49 4.03 35	57 2.48 22	2 0.05	0	255 4.18 37	266 5.54 50	46 1.30 12	8.0 0.13 1	0.4	0.59	--	736 653	449
4N/23W-11D 1 S 10-22-64	--	8.0	562	44 2.20 38	19 1.56 27	46 2.00 35	1 0.03 1	0	235 3.85 68	26 0.54 9	39 1.10 19	13.0 0.21 4	0.8	0.02	35	320 339	188
4N/23W-14C 1 S 3- 4-65	68	7.5	1830	185 9.23 44	55 4.52 21	165 7.17 34	5 0.13 1	0	411 6.74 32	339 7.06 34	244 6.88 33	7.0 0.11 1	0.2	0.53	--	1290 1203	688
4N/23W-14G 1 S 11-12-64	--	8.1	1996	195 9.73 46	49 4.03 19	168 7.30 34	5 0.13 1	0	386 6.33 30	283 5.89 28	318 8.97 42	2.0 0.03	0.6	0.72	--	1370 1211	689
4N/23W-15D 2 S 3- 4-65	--	7.8	570	47 2.35 39	17 1.40 24	50 2.17 36	1 0.03 1	0	214 3.51 58	55 1.15 19	40 1.13 19	19.0 0.31 5	0.4	0.10	--	360 335	188
4N/23W-16C 4 S 10-21-64	64	7.7	972	119 5.94 54	34 2.80 26	49 2.13 20	2 0.05	0	267 4.38 40	253 5.27 49	37 1.04 10	9 0.15 1	0.7	0.58	19	723 654	437

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER VENTURA R HYDRO SUBUNIT U02B0 — VENTURA RIVER HYDRO UNIT U0200																	
4N/23W-20J 2 S 10-21-64	64	7.4	1005	126 6.29 55	37 3.04 27	46 2.00 18	2 0.05	0	249 4.08 37	280 5.83 52	41 1.16 10	6 0.10 1	0.8	0.60	22	740 684	467
4N/23W-20Q 8 S 3-14-65	--	8.0	930	116 5.79 49	44 3.62 31	54 2.35 20	3 0.08 1	0	269 4.41 37	299 6.23 52	45 1.27 11	0.0	0.2	0.50	--	724 694	471
4N/23W-28K 3 S 3- 4-65	--	7.8	1740	161 8.03 40	65 5.35 27	150 6.52 33	4 0.10 1	0	325 5.33 27	358 7.45 38	245 6.91 35	7.0 0.11 1	0.2	0.60	--	1274 1151	670
4N/23W-33M 1 S 12-17-64	--	7.8	1825	197 9.83 49	54 4.44 22	134 5.83 29	3 0.08	0	375 6.15 31	350 7.29 37	230 6.49 33	1.0 0.02	0.8	0.68	--	1350 1155	714
5N/23W-14E 1 S 6-21-65	--	8.0	708	90 4.49 59	16 1.32 17	39 1.70 22	3 0.08 1	0	228 3.74 48	188 3.91 50	6 0.17 2	2.4 0.04 1	0.2	0.36	--	456 457	291

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million, equivalents per million, percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
VENTURA RIVER HYDRO UNIT U0200																	
OJAI HYDRO SUBUNIT U02C0																	
UPPER OJAI HYDRO SUBAREA U02C1																	
4N/22W- 9N 1 S 1-12-65	62	7.3	1642	193 9.63 50	50 4.11 21	123 5.35 28	1 0.03	0	500 8.20 43	374 7.79 41	102 2.88 15	1.0 0.02	0.6	0.52	--	1180 1091	688
4N/22W- 9Q 2 S 10-28-64	--	7.8	1400	166 8.28 47	41 3.37 19	134 5.83 33	1 0.03	0	421 6.90 39	275 5.73 32	166 4.68 26	26 0.42 2	0.4	0.55	--	1090 1017	583
4N/22W-10K 2 S 1-12-65	56	7.4	1260	118 5.89 43	30 2.47 18	121 5.26 39	1 0.03	0	448 7.34 54	138 2.87 21	111 3.13 23	14 0.23 2	0.6	0.44	--	786 754	418
4N/22W-12N 1 S 10-28-64	--	7.5	940	74 3.69 34	24 1.97 18	120 5.22 48	1 0.03	0	502 8.23 76	13 0.27 2	69 1.95 18	27 0.44 4	0.2	1.38	--	622 576	283
4N/22W-14J 1 S 3- 4-65	--	7.6	1240	184 9.18 58	61 5.02 32	36 1.57 10	2 0.05	0	672 11.01 69	189 3.93 25	37 1.04 7	0.0	0.2	0.25	--	886 840	711
4N/22W-17G 1 S 1-12-65	--	7.5	1815	146 7.29 38	31 2.55 13	208 9.04 48	3 0.08	0	466 7.64 40	200 4.16 22	256 7.22 38	1.0 0.02	0.6	0.64	--	1124 1075	492
OJAI HYDRO SUBAREA U02C2																	
4N/22W- 5L 8 S 10-29-64	--	7.9	841	108 5.39 59	22 1.81 20	42 1.83 20	1 0.03	0	237 3.88 43	183 3.81 42	32 0.90 10	25.0 0.40 4	0.5	0.04	--	600 530	360

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
OJAI HYDRO SUBUNIT U02C0 — VENTURA RIVER HYDRO UNIT U0200																	
OJAI HYDRO SUBAREA U02C2																	
4N/22W- 5L 8 S	--	7.9	841	108	22	42	1	0	237	183	32	25	0.5	0.04	--	600	360
10-29-64				5.39	1.81	1.83	0.03		3.88	3.81	0.90	0.40					
				59	20	20			43	42	10	4				530	
4N/22W- 7C 1 S	--	7.5	750	94	22	39	1	0	250	178	19	2.0	0.2	0.07	--	518	325
10-28-64				4.69	1.81	1.70	0.03		4.10	3.71	0.54	0.03					
				57	22	21			49	44	6					478	
4N/22W- 9B 1 S	--	7.9	907	116	31	39	1	0	299	195	25	26.0	0.6	0.07	--	615	417
10-29-64				5.79	2.55	1.70	0.03		4.90	4.06	0.71	0.42					
				57	25	17			49	40	7	4				581	
4N/23W- 2B 1 S	--	7.5	873	98	36	36	1	0	295	146	48	14.0	0.3	0.04	--	630	393
11-12-64				4.89	2.96	1.57	0.03		4.84	3.04	1.35	0.23					
				52	31	17			51	32	14	2				524	
4N/23W-12H 2 S	--	7.4	860	105	34	40	1	0	257	200	25	32.0	0.2	0	--	626	402
10-27-64				5.24	2.80	1.74	0.03		4.21	4.16	0.71	0.52					
				53	29	18			44	43	7	5				564	
4N/23W-12K 2 S	--	7.7	2500	309	74	163	2	0	316	247	633	14.0	0.1	0.07	--	1946	1076
10-27-64				15.42	6.09	7.09	0.05		5.18	5.14	17.85	0.23					
				54	21	25			18	18	63	1				1597	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT 00300																	
OXNARD PLAIN HYDRO SUBUNIT 003A0																	
OXNARD HYDRO SUBAREA 003A1																	
1S/21W- 8L 1 S	--	8.0	1360	48	30	220	8	0	354	101	234	0.0	0.2	0.85	--	668	244
10-15-64				2.40	2.47	9.57	0.20		5.80	2.10	6.60						
				16	17	65	1		40	14	46					816	
	66	8.1	1320	42	35	220	10	0	344	98	247	0.0	0.2	0.65	--	830	249
5- 5-65				2.10	2.88	9.57	0.26		5.64	2.04	6.97						
				14	19	65	2		38	14	48					822	
1S/21W- 8L 2 S	--	7.5	26000	725	865	6600	65	0	210	1756	12860	0.0	0.1	1.94	--	25020	5370
10-15-64				36.18	71.14	286.97	1.66		3.44	36.56	362.65						
				9	18	72			1	9	90					22976	
	--	7.1	26000	697	841	7450	100	0	251	1768	13587	0.0	0.2	1.65	--	25260	5201
5- 5-65				34.78	69.16	323.93	2.56		4.11	36.81	383.15						
				8	16	75	1		1	9	90					24568	
1N/21W- 3L 1 S	--	7.2	1010	92	31	82	--	--	244	248	60	3	0.3	0.25	--		357
5-17-65				4.59	2.55	3.57			4.00	5.16	1.69	0.05				660	
				43	24	33			37	47	16					636	
1N/21W- 9M 1 S	--	7.5	1027	90	28	98	4	0	274	252	54	1.0	0.6	0.42	--	690	340
12-10-64				4.49	2.30	4.26	0.10		4.49	5.25	1.52	0.02					
				40	21	38	1		40	47	13					663	
1N/21W-18A 1 S	--	7.3	1170	115	36	93	4	0	296	310	51	0.0	0.8	0.45	--	868	435
6- 8-65				5.74	2.96	4.04	0.10		4.85	6.45	1.44						
				45	23	31	1		38	51	11					756	
1N/21W-18Q 1 S	--	7.9	1182	118	40	91	--	--	268	354	45	--	0.6	0.77	--		459
11- 4-64				5.89	3.29	3.96			4.39	7.37	1.27					882	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS: Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 — SANTA CLARA-CALLEGUAS HYDRO UNIT U03O0																	
OXNARD HYDRO SUBAREA U03A1																	
1N/21W-18Q 1 S	--	7.5	1178	108	40	91	--	--	274	326	47	0.0	0.7	0.72	--		434
5-13-65				5.39	3.29	3.96			4.49	6.79	1.33					854	
				43	26	31			36	54	11					748	
	--	8.2	1154	116	39	93	4	0	256	352	47	1	0.8	0.65	--	848	450
8- 6-65				5.79	3.21	4.04	0.10		4.20	7.33	1.33	0.02					
				44	24	31	1		33	57	10					779	
1N/21W-19R 5 S	68	7.5	1164	119	39	84	4	0	286	329	45	1	0.7	0.69	--	820	458
8-17-65				5.94	3.21	3.65	0.10		4.69	6.85	1.27	0.02					
				46	25	28	1		37	53	10					763	
1N/21W-28F 2 S	--	7.8	1464	121	47	127	4	0	326	305	124	0	0.5	0.44	--	996	496
6- 3-65				6.04	3.87	5.52	0.10		5.34	6.35	3.50						
				39	25	36	1		35	42	23					889	
1N/21W-28N 1 S	71	7.5	1360	108	68	135	6	0	299	295	199	3	0.1	0.43	--	970	549
10- 6-64				5.39	5.59	5.87	0.15		4.90	6.14	5.61	0.05					
				32	33	35	1		29	37	34					962	
	63	8.1	1480	100	77	122	8	0	301	293	195	0	0.1	0.56	--	1046	566
5- 6-65				4.99	6.33	5.30	0.20		4.93	6.10	5.50						
				30	38	32	1		30	37	33					944	
1N/21W-28N 2 S	--	7.9	1963	65	40	299	6	0	359	221	306	0	0.5	0.81	--	1217	327
6- 3-65				3.24	3.29	13.00	0.15		5.88	4.60	8.63						
				16	17	66	1		31	24	45					1115	
1N/21W-29C 1 S	--	7.9	1255	156	31	101	5	0	294	398	53	1.2	0.4	0.33	--	836	517
6- 8-65				7.78	2.55	4.39	0.13		4.82	8.29	1.49	0.02					
				52	17	30	1		33	57	10					890	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 — SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD HYDRO SUBAREA U03A1																	
1N/21W-29C 3 S	--	7.8	1220	116	36	104	5	0	293	336	49	1.2	0.4	0.26	--	824	438
6- 8-65				5.79	2.96	4.52	0.13		4.80	7.00	1.38	0.02					
				43	22	34	1		36	53	10					792	
1N/21W-29G 1 S	--	7.5	1550	118	47	160	5	0	297	441	95	1	0.6	0.68	--	1101	488
5-27-65				5.89	3.87	6.96	0.13		4.87	9.18	2.68	0.02					
				35	23	41	1		29	55	16					1014	
1N/21W-29R 4 S	--	7.6	1300	84	60	105	4	0	297	337	60	0.0	0.2	0.83	--	858	456
10-15-64				4.19	4.93	4.57	0.10		4.87	7.02	1.69						
				30	36	33	1		36	52	12					797	
	68	7.8	1120	92	59	100	4	0	287	371	56	0	0.2	0.59	--	858	472
5- 6-65				4.59	4.85	4.35	0.10		4.70	7.72	1.58						
				33	35	31	1		34	55	11					824	
1N/21W-30A 1 S	--	7.6	1034	93	30	100	5	0	309	244	40	3.0	0.6	0.59	41	725	356
10-23-64				4.64	2.47	4.35	0.13		5.06	5.08	1.13	0.05					
				40	21	38	1		45	45	10					709	
1N/21W-30C 2 S	--	8.0	1368	141	45	108	3	0	269	446	53	6	0.5	0.62	--	1014	537
6- 8-65				7.04	3.70	4.70	0.08		4.41	9.29	1.49	0.10					
				45	24	30	1		29	61	10	1				935	
1N/21W-31A 1 S	--	8.0	1116	120	38	84	4	0	256	364	37	2.0	0.7	0.60	40	810	456
10-23-64				5.99	3.13	3.65	0.10		4.20	7.58	1.04	0.03					
				47	24	28	1		33	59	8					816	
	--	7.7	1171	123	35	84	4	0	266	359	39	0	0.5	0.60	--	869	451
6- 8-65				6.14	2.88	3.65	0.10		4.36	7.47	1.10						
				48	23	29	1		34	58	9					776	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
1N/21W-31J 1 S	--	7.7	960	71	44	106	5	0	257	261	84	3.0	0.1	0.33	--	724	358
10- 8-64				3.54	3.62	4.61	0.13		4.21	5.43	2.37	0.05					
				30	30	39	1		35	45	20					701	
	--	8.2	1940	103	34	240	12	4	256	411	194	1.8	0.2	1.01	--	1008	397
6-21-65				5.14	2.80	10.44	0.31	0.13	4.20	8.56	5.47	0.03					
				28	15	56	2	1	23	47	30					1127	
1N/21W-31L 1 S	--	7.5	860	57	45	95	4	0	230	270	42	0.0	0.1	0.48	--	700	327
10- 8-64				2.84	3.70	4.13	0.10		3.77	5.62	1.18						
				26	34	38	1		36	53	11					627	
	--	8.2	1030	70	19	122	2	0	211	244	61	4.1	0.2	0.79	--	568	253
6-21-65				3.49	1.56	5.30	0.05		3.46	5.08	1.72	0.07					
				34	15	51			33	49	17	1				627	
1N/21W-32A 1 S	--	7.6	1340	48	64	187	5	0	264	288	195	0.0	0.2	0.40	--	968	383
10- 8-64				2.40	5.26	8.13	0.13		4.33	6.00	5.50						
				15	33	51	1		27	38	35					917	
	--	8.1	1830	137	18	211	7	0	278	377	188	2.0	0.2	1.12	--	1296	416
6-21-65				6.84	1.48	9.17	0.18		4.56	7.85	5.30	0.03					
				39	8	52	1		26	44	30					1078	
1N/21W-32A 2 S	71	7.4	1010	44	26	160	4	0	178	192	151	0.0	0.1	0.29	--	720	217
10- 6-64				2.20	2.14	6.96	0.10		2.92	4.00	4.26						
				19	19	61	1		26	36	38					665	
	70	8.2	980	53	52	100	4	0	286	242	52	0	0.2	0.44	--	690	346
5- 6-65				2.64	4.28	4.35	0.10		4.69	5.04	1.47						
				23	38	38	1		42	45	13					644	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
1N/21W-32C 1 S	--	7.7	1000	60	50	108	6	0	248	307	57	0.0	0.1	0.31	--	796	355
10- 8-64				2.99	4.11	4.70	0.15		4.06	6.39	1.61						
				25	34	39	1		34	53	13					710	
	--	8.2	1170	127	12	64	6	8	219	237	59	0.6	0.2	0.83	--	776	367
6-21-65				6.34	0.99	2.78	0.15	0.27	3.59	4.93	1.66	0.01					
				62	10	27	1	3	34	47	16					622	
1N/21W-32G 1 S	--	7.6	1200	111	72	135	4	0	283	343	195	0.0	0.2	0.88	--	1130	573
10-16-64				5.54	5.92	5.87	0.10		4.64	7.14	5.50						
				32	34	34	1		27	41	32					1000	
	66	8.0	1600	121	75	140	6	0	299	352	217	0	0.2	0.62	--	1190	611
5- 5-65				6.04	6.17	6.09	0.15		4.90	7.33	6.12						
				33	33	33	1		27	40	33					1059	
1N/21W-32K 1 S	--	7.5	920	48	43	104	4	0	214	224	85	2.0	0.1	0.38	--	666	297
10- 8-64				2.40	3.54	4.52	0.10		3.51	4.66	2.40	0.03					
				23	34	43	1		33	44	23					616	
	--	8.1	1850	101	34	225	6	8	252	389	179	2.0	0.2	0.98	--	552	392
6- 8-65				5.04	2.80	9.78	0.15	0.27	4.13	8.10	5.05	0.03					
				28	16	55	1	2	23	46	29					1069	
1N/21W-32L 1 S	--	7.4	1240	103	56	110	3	0	271	368	83	0	0.2	0.88	--	942	488
10-16-64				5.14	4.61	4.78	0.08		4.44	7.66	2.34						
				35	32	33	1		31	53	16					857	
	66	7.9	1300	109	60	110	5	0	283	362	99	0	0.4	0.71	--	956	519
5- 5-65				5.44	4.93	4.78	0.13		4.64	7.54	2.79						
				36	32	31	1		31	50	19					885	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 — SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD HYDRO SUBAREA U03A1																	
1N/21W-32Q 1 S	--	8.0	960	58	41	96	4	0	291	256	21	0.0	0.1	0.47	--	620	313
10-16-64				2.89	3.37	4.17	0.10		4.77	5.33	0.59						
				27	32	40	1		45	50	6					620	
	67	8.1	980	31	61	117	5	0	328	240	48	0	0.1	0.41	--	696	329
5- 5-65				1.55	5.02	5.09	0.13		5.38	5.00	1.35						
				13	43	43	1		46	43	12					664	
1N/22W- 3F 4 S	--	7.4	1432	138	54	101	--	--	284	456	56	--	0.7	0.76	--		567
5-13-65				6.89	4.44	4.39			4.65	9.49	1.58					1112	
1N/22W- 5G 3 S	67	7.4	1130	124	35	84	4	0	251	366	39	0	0.9	0.62	37	800	454
12- 4-64				6.19	2.88	3.65	0.10		4.11	7.62	1.10						
				48	22	28	1		32	59	9					814	
1N/22W- 7D 1 S	--	7.8	1228	120	40	93	--	--	250	385	42	--	0.8	0.74	--		464
11- 4-64				5.99	3.29	4.04			4.10	8.02	1.18					882	
	--	7.4	1218	115	41	93	--	--	251	376	45	--	0.8	0.71	--		456
5-13-65				5.74	3.37	4.04			4.11	7.83	1.27					877	
	--	8.0	1203	123	41	88	4	0	248	386	42	0	0.7	0.69	--	913	476
6- 8-65				6.14	3.37	3.83	0.10		4.06	8.04	1.18						
				46	25	28	1		31	61	9					807	
1N/22W- 7J 4 S	--	7.3	1164	115	42	80	4	0	293	323	40	8	0.9	0.32	--	860	460
8-18-65				5.74	3.45	3.48	0.10		4.80	6.72	1.13	0.13					
				45	27	27	1		38	53	9	1				757	

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ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W- 9L 3 S	--	7.7	1314	135	49	90	4	0	267	411	57	4	1.0	0.65	--	934	539
10-22-64				6.74	4.03	3.91	0.10		4.38	8.56	1.61	0.06					
				46	27	26	1		30	59	11					883	
1N/22W- 9M 1 S	--	7.9	1325	140	47	91	4	0	253	444	52	0	0.6	0.63	--	978	543
6- 8-65				6.99	3.87	3.96	0.10		4.15	9.24	1.47						
				47	26	27	1		28	62	10					904	
1N/22W- 9Q 2 S	--	7.7	3343	364	123	152	--	--	237	456	770	2	0.6	0.73	--	2361	1415
11-25-64				18.16	10.12	6.61			3.88	9.49	21.71	0.03					
				52	29	19			11	27	62					1985	
1N/22W-14F 1 S	65	8.0	1278	123	45	86	3	0	265	404	47	0	0.9	0.70	--	925	492
2- 5-65				6.14	3.70	3.74	0.08		4.34	8.41	1.33						
				45	27	27	1		31	60	9					840	
1N/22W-14K 1 S	--	7.6	1260	122	41	95	--	--	255	398	47	--	0.8	0.53	--		473
11-26-64				6.09	3.37	4.13			4.18	8.29	1.33					900	
	--	7.2	1252	118	42	95	--	--	258	381	48	--	0.8	0.64	--		467
5-17-65				5.89	3.45	4.13			4.23	7.93	1.35					917	
1N/22W-14K 3 S	67	7.8	1196	120	39	91	4	0	253	383	43	0	0.9	0.80	--	738	460
2- 5-65				5.99	3.21	3.96	0.10		4.15	7.97	1.21						
				45	24	30	1		31	60	9					806	
1N/22W-14R 3 S	66	7.8	1220	123	39	88	4	0	256	379	45	0	0.8	0.66	--	818	468
2- 5-65				6.14	3.21	3.83	0.10		4.20	7.89	1.27						
				46	24	29	1		31	59	10					805	

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ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-15B 3 S	--	7.8	1282	134	49	93	4	0	259	436	52	4.0	0.9	0.68	33	920	536
10-22-64				6.69	4.03	4.04	0.10		4.25	9.08	1.47	0.06					
				45	27	27	1		29	61	10					934	
	65	7.8	1479	150	50	102	4	0	285	483	50	5	0.9	0.73	--	1064	580
2- 5-65				7.49	4.11	4.43	0.10		4.67	10.06	1.41	0.08					
				46	25	27	1		29	62	9					986	
	--	8.0	1410	152	48	100	4	0	269	463	57	0	0.7	0.62	--	1041	577
6- 8-65				7.58	3.95	4.35	0.10		4.41	9.64	1.61						
				47	25	27	1		28	62	10					958	
1N/22W-15C 1 S	--	7.6	1630	187	65	104	5	0	237	406	257	0.0	0.4	0.62	--	1258	735
10- 8-64				9.33	5.35	4.52	0.13		3.88	8.45	7.25						
				48	28	23	1		20	43	37					1142	
	--	7.5	2743	311	104	122	6	0	225	465	582	5	0.7	0.68	--	2500	1204
6- 7-65				15.52	8.55	5.30	0.15		3.69	9.68	16.41	0.08					
				53	29	18	1		12	32	55					1707	
1N/22W-15L 1 S	--	7.2	2600	332	95	148	6	0	185	410	683	0.0	0.4	0.69	--	2194	1220
10- 8-64				16.57	7.81	6.44	0.15		3.03	8.54	19.26						
				54	25	21			10	28	62					1766	
	--	7.9	3120	326	82	185	2	0	216	504	626	1.6	0.5	1.22	--	2530	1151
6- 7-65				16.27	6.74	8.04	0.05		3.54	10.49	17.65	0.03					
				52	22	26			11	33	56					1835	
1N/22W-15P 1 S	--	7.9	1300	140	55	105	5	0	246	417	116	0.0	0.6	0.78	--	982	576
2- 6-65				6.99	4.52	4.57	0.13		4.03	8.68	3.27						
				43	28	28	1		25	54	20					960	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 — SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-15P 1 S																	
5-27-65	--	8.2	1500	132	72	113	5	0	248	430	168	0	0.4	0.75	--	1140	626
				6.59	5.92	4.91	0.13		4.06	8.95	4.74						
				38	34	28	1		23	50	27					1043	
1N/22W-16E 1 S																	
4-23-65	--	7.3	4902	562	204	178	8	0	216	481	1355	16	0.8	0.65	--	4063	2243
				28.04	16.78	7.74	0.20		3.54	10.01	38.21	0.26					
				53	32	15			7	19	73					2912	
1N/22W-16Q 1 S																	
10-13-64	--	7.0	18000	2279	724	1600	31	0	423	1162	7691	0.0	0.1	0.97	--	17540	8670
				113.72	59.54	69.57	0.79		6.93	24.19	216.89						
				47	24	29			3	10	87					13696	
	--	7.1	15929	1784	612	1050	25	0	186	914	5720	11	0.8	0.70	--	12440	6973
4- 7-65				89.02	50.33	45.65	0.64		3.05	19.03	161.30	0.18					
				48	27	25			2	10	88					10209	
1N/22W-17C 1 S																	
6-23-65	71	8.4	1405	146	29	145	4	12	220	460	81	0.4	0.6	1.19	--	848	484
				7.29	2.38	6.30	0.10	0.40	3.61	9.58	2.28	0.01					
				45	15	39	1	3	23	60	14					987	
1N/22W-17J 2 S																	
10-23-64	--	8.0	1600	156	62	123	5	0	248	396	209	0	0.6	0.82	--	700	645
				7.78	5.10	5.35	0.13		4.06	8.24	5.89						
				42	28	29	1		22	45	32					1074	
	--	7.7	1380	94	57	120	5	0	109	332	205	0.0	0.4	0.75	--	948	469
12-24-64				4.69	4.69	5.22	0.13		1.79	6.91	5.78						
				32	32	35	1		12	48	40					868	
	65	7.8	1620	141	58	104	3	0	222	365	194	0	0.9	0.98	--	1037	591
2- 6-65				7.04	4.77	4.52	0.08		3.64	7.60	5.47						
				43	29	28			22	45	33					976	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-17J 2 S	--	7.5	1399	70	51	98	5	0	98	304	148	0	0.7	0.70	--	720	384
4-21-65				3.49	4.19	4.26	0.13		1.61	6.33	4.17						
				29	35	35	1		13	52	34					726	
1N/22W-17M 2 S	--	7.7	1134	112	39	83	6	0	266	322	40	4	0.9	0.64	--	792	440
4-22-65				5.59	3.21	3.61	0.15		4.36	6.70	1.13	0.06					
				45	26	29	1		36	55	9					738	
1N/22W-17M 3 S	--	6.5	18000	1182	584	3840	55	0	19	1177	8704	0.0	0.2	0.88	--	19100	5355
3-30-65				58.98	48.03	166.96	1.41		0.31	24.51	245.45						
				21	17	61	1			9	91					15552	
1N/22W-17Q 1 S	67	5.6	20000	1467	595	3200	30	0	5	1099	8600	0.0	0.1	0.44	--	17600	6111
10-22-64				73.20	48.93	139.14	0.77		0.08	22.88	242.52						
				28	19	53				9	91					14994	
	--	5.8	8100	483	261	1063	15	0	8	958	2585	0.0	0.2	0.85	--	5210	2280
12-24-64				24.10	21.46	46.22	0.38		0.13	19.95	72.90						
				26	23	50				21	78					5370	
	--	6.3	16230	830	402	2260	55	0	10	856	5587	9.3	1.1	0.91	--	11345	3727
2- 4-65				41.42	33.06	98.26	1.41		0.16	17.82	157.55	0.15					
				24	19	56	1			10	90					10006	
	--	6.1	20833	968	521	3200	29	0	24	1098	7325	6	1.2	1.25	--	13980	4561
4-21-65				48.30	42.85	139.14	0.74		0.39	22.86	206.57	0.10					
				21	19	60				10	90					13161	
1N/22W-18E 1 S	--	8.3	1123	116	38	89	4	8	231	357	40	1.0	0.7	0.58	--	815	446
10-22-64				5.79	3.13	3.87	0.10	0.27	3.79	7.43	1.13	0.02					
				45	24	30	1	2	30	59	9					768	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 — SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-18E 1 S	--	7.7	1160	94	52	93	4	0	251	379	46	0	0.4	0.78	--	826	449
6- 3-65				4.69	4.28	4.04	0.10		4.11	7.89	1.30						
				36	33	31	1		31	59	10					793	
1N/22W-18P 1 S	--	7.7	1157	115	41	90	4	0	236	371	41	2.0	0.9	0.64	--	827	456
10-22-64				5.74	3.37	3.91	0.10		3.87	7.72	1.16	0.03					
				44	26	30	1		30	60	9					782	
	--	7.8	1160	120	46	93	4	0	247	411	51	0	0.6	0.98	--	890	489
6- 3-65				5.99	3.78	4.04	0.10		4.05	8.56	1.44						
				43	27	29	1		29	61	10					848	
1N/22W-19A 1 S	--	7.8	1141	121	34	81	4	0	255	351	40	2.0	0.7	0.58	--	822	442
10-22-64				6.04	2.80	3.52	0.10		4.18	7.31	1.13	0.03					
				48	22	28	1		33	58	9					760	
1N/22W-20E 1 S	--	7.4	12821	624	340	1620	22	0	29	486	4300	12	0.6	0.70	--	8875	2957
4-16-65				31.14	27.96	70.44	0.56		0.48	10.12	121.26	0.19					
				24	21	54				8	92					7420	
1N/22W-20F 2 S	--	7.8	1130	115	43	89	4	0	250	383	45	0	0.2	0.65	--	828	464
6- 3-65				5.74	3.54	3.87	0.10		4.10	7.97	1.27						
				43	27	29	1		31	60	10					803	
1N/22W-20H 2 S	--	7.9	1237	134	32	93	--	--	257	380	42	--	0.3	0.60	--		466
11- 4-64				6.69	2.63	4.04			4.21	7.91	1.18					880	
1N/22W-20N 2 S	64	7.3	1208	120	43	84	5	0	242	366	57	2	0.9	0.56	--	870	477
4-22-65				5.99	3.54	3.65	0.13		3.97	7.62	1.61	0.03					
				45	27	27	1		30	58	12					797	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value										Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3		Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																		
OXNARD PLAIN HYDRO SUBUNIT U03A0																		
OXNARD HYDRO SUBAREA U03A1																		
1N/22W-20R 1 S	--	6.8	28000	1269	1019	6750	118	0	67	1979	14450	0.0		0.1	1.46	--	27160	7362
10-23-64				63.32	83.80	293.49	3.02		1.10	41.20	407.49							
				14	19	66	1			9	91						25619	
	--	6.0	23500	1280	840	4600	35	0	11	1913	10450	0.0		0.1	2.07	--	19080	6653
12-23-64				63.87	69.08	200.01	0.89		0.18	39.83	294.69							
				19	21	60				12	88						19126	
	67	4.6	36630	1529	1074	6575	141	0	5	1809	15360	2.5		0.8	2.12	--	28120	8238
2- 4-65				76.30	88.33	285.88	3.61		0.08	37.66	433.15	0.04						
				17	19	63	1			8	92						26496	
	--	6.3	30000	1499	1119	7400	120	0	25	2176	15927	0.0		0.1	1.94	--	33180	8348
3-10-65				74.80	92.03	321.75	3.07		0.41	45.30	449.14							
				15	19	65	1			9	91						28255	
	--	5.1	37037	1496	1087	6700	94	0	7	1746	14900	6.0		1.8	2.00	--	27150	8209
4-21-65				74.65	89.39	291.32	2.40		0.11	36.35	420.18	0.10						
				16	20	64	1			8	92						26036	
1N/22W-21B 1 S	--	7.7	3185	350	113	168	7	0	168	432	795	3.0		0.9	0.60	36	2115	1339
10-22-64				17.47	9.29	7.30	0.18		2.75	8.99	22.42	0.05						
				51	27	21	1		8	26	66						1988	
	--	7.3	4789	514	153	299	8	0	219	498	1300	0		0.6	0.61	--	3420	1913
6-10-65				25.65	12.58	13.00	0.20		3.59	10.37	36.66							
				50	24	25			7	20	72						2881	
1N/22W-21B 3 S	--	7.8	1172	125	33	88	5	0	249	370	39	0		0.5	0.56	--	870	448
6-10-65				6.24	2.71	3.83	0.13		4.08	7.70	1.10							
				48	21	30	1		32	60	9						783	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0 OXNARD HYDRO SUBAREA U03A1																	
1N/22W-21H 1 S	--	7.9	1183	116	41	80	5	0	252	371	47	0	0.9	0.88	--	812	458
2- 6-65				5.79	3.37	3.48	0.13		4.13	7.72	1.33						
				45	26	27	1		31	59	10					786	
1N/22W-21J 2 S	67	7.5	4200	487	207	342	20	0	241	649	1394	1	0.2	0.84	--	3600	2068
2- 6-65				24.30	17.02	14.87	0.51		3.95	13.51	39.31	0.02					
				43	30	26	1		7	24	69					3219	
1N/22W-21L 1 S	--	7.1	4300	483	180	310	10	0	44	315	1592	0	0.1	0.65	--	2496	1947
10-22-64				24.10	14.80	13.48	0.26		0.72	6.56	44.89						
				46	28	26			1	13	86					2912	
	--	7.2	5000	483	235	280	9	0	32	337	1684	0.0	0.1	0.90	--	3014	2173
12-23-64				24.10	19.33	12.17	0.23		0.52	7.02	47.49						
				43	35	22			1	13	86					3045	
	--	7.4	6116	666	197	294	16	0	217	432	1800	0	0.7	0.68	--	4523	2473
2- 4-65				33.23	16.20	12.78	0.41		3.56	8.99	50.76						
				53	26	20	1		6	14	80					3513	
	--	7.0	5848	550	217	330	12	0	54	378	1820	6	0.8	0.74	--	3580	2267
4-20-65				27.45	17.85	14.35	0.31		0.89	7.87	51.32	0.10					
				46	30	24	1		1	13	85					3341	
1N/22W-21L 2 S	--	8.5	1181	21	3	190	19	1	27	159	228	1	0.5	0.42	--	625	65
4-14-65				1.05	0.25	8.26	0.49	0.03	0.44	3.31	6.43	0.02					
				10	2	82	5		4	32	63					636	
1N/22W-22A 1 S	64	7.7	1260	124	47	100	9	0	264	381	87	0.0	0.6	0.68	--	996	503
3- 6-65				6.19	3.87	4.35	0.23		4.33	7.93	2.45						
				42	26	30	2		29	54	17					879	

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LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-22C 1 S	--	7.8	1700	125	93	123	5	0	254	406	229	0.0	0.4	0.48	--	1264	695
10- 8-64				6.24	7.65	5.35	0.13		4.16	8.45	6.46						
				32	39	28	1		22	44	34					1107	
1N/22W-22H 1 S	--	7.8	2541	271	83	117	5	0	236	366	492	0	0.7	0.75	--	1766	1018
2- 6-65				13.52	6.83	5.09	0.13		3.87	7.62	13.87						
				53	27	20	1		15	30	55					1451	
	66	8.0	2288	243	75	110	2	0	240	363	415	0	0.7	0.77	--	1477	916
2- 8-65				12.13	6.17	4.78	0.05		3.93	7.56	11.70						
				52	27	21			17	33	50					1327	
	66	7.7	2273	242	74	108	8	0	242	361	413	0	0.7	0.81	--	1508	909
2- 8-65				12.08	6.09	4.70	0.20		3.97	7.52	11.65						
				52	26	20	1		17	32	50					1326	
	66	7.8	2377	259	75	112	6	0	237	369	442	0	0.8	0.68	--	1720	955
2-12-65				12.92	6.17	4.87	0.15		3.88	7.68	12.46						
				54	26	20	1		16	32	52					1381	
	66	7.7	2272	247	73	110	5	0	243	367	418	0	0.8	0.68	--	1649	917
2-12-65				12.33	6.00	4.78	0.13		3.98	7.64	11.79						
				53	26	21	1		17	33	50					1341	
	60	7.6	2245	245	85	108	5	0	242	370	422	0	0.6	0.71	--	1568	962
2-13-65				12.23	6.99	4.70	0.13		3.97	7.70	11.90						
				51	29	20	1		17	33	50					1355	
	65	8.1	2236	239	72	113	6	0	230	370	427	0	0.8	0.56	--	1491	893
2-13-65				11.93	5.92	4.91	0.15		3.77	7.70	12.04						
				52	26	21	1		16	33	51					1341	

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ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-22H 1 S	62	7.5	2240	241	68	110	6	0	240	369	420	0	0.8	0.56	--	1539	882
2-13-65				12.03	5.59	4.78	0.15		3.93	7.68	11.84						
				53	25	21	1		17	33	50					1333	
	66	7.8	2209	239	69	109	8	0	243	369	420	0	0.8	0.73	--	1525	881
2-14-65				11.93	5.67	4.74	0.20		3.98	7.68	11.84						
				53	25	21	1		17	33	50					1335	
	61	7.6	2200	213	79	122	6	0	238	358	432	0.0	0.4	0.69	--	1770	857
2-15-65				10.63	6.50	5.30	0.15		3.90	7.45	12.18						
				47	29	23	1		17	32	52					1328	
	66	7.5	2250	236	77	127	6	0	236	357	427	0.0	0.4	0.67	--	1770	906
2-15-65				11.78	6.33	5.52	0.15		3.87	7.43	12.04						
				50	27	23	1		17	32	52					1347	
	--	7.8	1900	254	69	120	6	0	246	381	411	0.0	0.6	0.60	--	1580	918
2-15-65				12.67	5.67	5.22	0.15		4.03	7.93	11.59						
				53	24	22	1		17	34	49					1363	
1N/22W-22H 2 S	--	8.2	1850	233	73	126	7	0	337	736	103	0.0	0.2	0.85	--	1560	882
10-21-64				11.63	6.00	5.48	0.18		5.52	15.32	2.90						
				50	26	24	1		23	65	12					1445	
	68	7.8	2650	339	100	147	7	--	228	377	695	0.0	0.2	0.65	--	2144	1258
11-20-64				16.92	8.22	6.39	0.18		3.74	7.85	19.60						
				53	26	20	1		12	25	63					1778	
	68	7.6	2874	337	98	138	7	0	224	358	693	7.0	0.8	0.76	--	2140	1245
1-12-65				16.82	8.06	6.00	0.18		3.67	7.45	19.54	0.11					
				54	26	19	1		12	24	64					1750	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-22H 2 S	--	7.4	3344	336	109	136	7	0	222	366	725	6.0	0.8	0.74	--	2010	1288
4-20-65				16.77	8.96	5.91	0.18		3.64	7.62	20.45	0.10					
				53	28	19	1		11	24	64					1796	
1N/22W-22H 3 S	--	8.1	2600	323	72	140	6	0	225	365	613	0.0	0.4	0.79	--	1730	1103
10-21-64				16.12	5.92	6.09	0.15		3.69	7.60	17.29						
				57	21	22	1		13	27	60					1631	
	69	8.0	1870	188	100	132	6	--	350	728	100	0.0	0.2	0.71	--	1628	881
11-20-64				9.38	8.22	5.74	0.15		5.74	15.16	2.82						
				40	35	24	1		24	64	12					1427	
1N/22W-22H 4 S	--	9.0	4100	457	142	620	23	13	0	2568	316	0.0	1.0	1.64	--	4564	1725
10-21-64				22.80	11.68	26.96	0.59	0.43		53.47	8.91						
				37	19	43	1	1		85	14					4142	
	69	9.5	3950	459	95	525	26	24	8	2168	280	0.0	0.4	0.88	--	3794	1537
11-20-64				22.90	7.81	22.83	0.66	0.80	0.13	45.14	7.90						
				42	14	42	1	1		84	15					3582	
1N/22W-22H 5 S	--	8.0	1600	170	52	113	5	0	256	370	200	0.0	0.6	0.75	--	1062	639
12-22-64				8.48	4.28	4.91	0.13		4.20	7.70	5.64						
				48	24	28	1		24	44	32					1037	
	67	7.7	1572	169	53	100	5	0	254	370	192	1.0	0.8	0.76	--	1090	640
1-12-65				8.43	4.36	4.35	0.13		4.16	7.70	5.41	0.02					
				49	25	25	1		24	45	31					1016	
	--	7.8	1300	158	47	101	5	0	258	383	142	0.0	0.6	0.82	--	1090	588
3-10-65				7.88	3.87	4.39	0.13		4.23	7.97	4.00						
				48	24	27	1		26	49	25					964	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 / OXNARD HYDRO SUBAREA U03A1 — SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
1N/22W-22H 5 S	--	7.6	1443	151	49	98	5	0	259	386	130	0	0.9	0.70	--	1000	578
4-18-65				7.53	4.03	4.26	0.13		4.25	8.04	3.67						
				47	25	27	1		27	50	23					948	
1N/22W-22J 1 S	--	7.4	1140	120	53	100	4	0	284	402	57	0.0	0.6	0.55	--	924	518
10- 8-64				5.99	4.36	4.35	0.10		4.65	8.37	1.61						
				40	29	29	1		32	57	11					877	
	--	7.7	1076	123	42	86	4	0	256	380	42	1	0.9	0.64	--	880	480
5-26-65				6.14	3.45	3.74	0.10		4.20	7.91	1.18	0.02					
				46	26	28	1		32	59	9					805	
1N/22W-22J 2 S	--	7.6	1110	114	52	92	4	0	250	376	69	0.0	0.4	0.71	--	908	499
10- 8-64				5.69	4.28	4.00	0.10		4.10	7.83	1.95						
				40	30	28	1		30	56	14					831	
	--	7.7	1286	133	41	88	5	0	254	356	84	0	0.8	0.70	--	914	501
5-27-65				6.64	3.37	3.83	0.13		4.16	7.41	2.37						
				48	24	27	1		30	53	17					833	
1N/22W-22J 3 S	69	7.4	2350	265	90	135	5	0	215	327	573	0.0	0.4	0.67	--	1738	1032
10- 8-64				13.22	7.40	5.87	0.13		3.52	6.81	16.16						
				50	28	22			13	26	61					1502	
	--	7.8	2420	251	88	124	5	0	206	352	489	0	0.7	0.71	--	2041	989
6- 3-65				12.52	7.24	5.39	0.13		3.38	7.33	13.79						
				50	29	21	1		14	30	56					1412	
1N/22W-22J 4 S	68	7.5	2300	267	96	132	5	0	208	386	532	0.0	0.4	0.60	--	1778	1062
10- 8-64				13.32	7.90	5.74	0.13		3.41	8.04	15.00						
				49	29	21			13	30	57					1521	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 — SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-22J 4 S																	
2- 3-65	65	7.7	2882	314	103	122	7	0	244	399	610	0	0.8	0.75	--	2178	1208
				15.67	8.47	5.30	0.18		4.00	8.31	17.20						
				53	29	18	1		14	28	58					1676	
2-26-65	66	7.4	3187	371	118	132	8	0	232	401	787	0	1.1	0.62	--	2688	1412
				18.51	9.70	5.74	0.20		3.80	8.35	22.19						
				54	28	17	1		11	24	65					1933	
1N/22W-22J 5 S																	
1-27-65	70	7.6	1517	165	49	98	5	0	256	349	178	2.0	0.8	0.78	--	1020	613
				8.23	4.03	4.26	0.13		4.20	7.27	5.02	0.03					
				49	24	26	1		25	44	30					973	
2-10-65	62	7.7	1600	162	59	105	5	0	250	342	220	0.0	0.4	0.64	--	1236	647
				8.08	4.85	4.57	0.13		4.10	7.12	6.20						
				46	28	26	1		24	41	36					1017	
2-11-65	63	7.6	1650	144	68	110	5	0	261	339	219	0.0	0.4	0.60	--	1204	640
				7.19	5.59	4.78	0.13		4.28	7.06	6.18						
				41	32	27	1		24	40	35					1014	
2-11-65	64	7.9	1500	141	73	105	5	0	247	346	220	0.0	0.4	0.80	--	1210	653
				7.04	6.00	4.57	0.13		4.05	7.20	6.20						
				40	34	26	1		23	41	36					1013	
2-12-65	64	7.9	1500	141	73	105	5	0	249	356	220	0.0	0.6	0.78	--	1230	653
				7.04	6.00	4.57	0.13		4.08	7.41	6.20						
				40	34	26	1		23	42	35					1024	
2-12-65	60	7.9	1525	143	72	104	5	0	247	352	218	0.0	0.6	0.73	--	1236	654
				7.14	5.92	4.52	0.13		4.05	7.33	6.15						
				40	33	26	1		23	42	35					1017	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-22J 5 S	61	7.8	1590	166	56	105	5	0	244	341	219	0.0	0.4	0.76	--	1246	645
2-13-65				8.28	4.61	4.57	0.13		4.00	7.10	6.18						
				47	26	26	1		23	41	36					1013	
	63	7.7	1600	163	58	105	5	0	241	341	222	0.0	0.4	0.59	--	1254	646
2-13-65				8.13	4.77	4.57	0.13		3.95	7.10	6.26						
				40	34	25	1		23	42	35					1013	
	63	7.7	1600	162	58	105	5	0	253	344	219	0.0	0.4	0.71	--	1224	643
2-14-65				8.08	4.77	4.57	0.13		4.15	7.16	6.18						
				46	27	26	1		24	41	35					1019	
	61	7.7	1640	141	72	113	5	0	254	341	227	0.0	0.4	0.52	--	1224	649
2-15-65				7.04	5.92	4.91	0.13		4.16	7.10	6.40						
				39	33	27	1		24	40	36					1025	
	64	7.8	1650	138	73	113	5	0	242	343	223	0.0	0.4	0.64	--	1196	645
2-15-65				6.89	6.00	4.91	0.13		3.97	7.14	6.29						
				38	33	27	1		23	41	36					1015	
	63	7.6	1650	142	71	110	5	0	250	344	220	0.0	0.4	0.72	--	1250	647
2-15-65				7.09	5.84	4.78	0.13		4.10	7.16	6.20						
				40	33	27	1		23	41	36					1016	
1N/22W-22K 1 S	--	7.3	3399	388	121	144	8	0	232	398	825	2	0.8	0.70	--	2460	1467
5-27-65				19.36	9.95	6.26	0.20		3.80	8.29	23.27	0.03					
				54	28	18	1		11	23	66					2002	
1N/22W-22K 2 S	--	8.0	1400	106	64	110	5	0	256	368	124	0.0	0.6	0.82	--	1038	528
10-20-64				5.29	5.26	4.78	0.13		4.20	7.66	3.50						
				34	34	31	1		27	50	23					904	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent / reactance / value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-22K 2 S	--	7.4	2200	225	85	135	6	0	251	383	423	0.0	0.4	0.75	--	1466	912
12-22-64				11.23	6.99	5.87	0.15		4.11	7.97	11.93						
				46	29	24	1		17	33	50					1382	
	67	7.6	1852	208	59	110	5	0	245	362	298	7.0	0.8	0.76	--	1280	762
1- 3-65				10.38	4.85	4.78	0.13		4.02	7.54	8.40	0.11					
				52	24	24	1		20	38	42	1				1171	
	--	7.8	1575	183	56	143	5	0	239	452	249	0.0	0.6	0.53	--	1146	688
3- 9-65				9.13	4.61	6.22	0.13		3.92	9.41	7.02						
				45	23	31	1		19	46	34					1207	
	--	7.7	1953	208	63	108	6	0	242	370	318	10	0.9	0.74	--	1395	779
4-20-65				10.38	5.18	4.70	0.15		3.97	7.70	8.97	0.16					
				51	25	23	1		19	37	43	1				1204	
1N/22W-22K 3 S	--	8.0	4200	383	158	645	7	0	363	2301	262	0.0	0.8	1.26	--	4146	1606
10-20-64				19.11	12.99	28.04	0.18		5.95	47.91	7.39						
				32	22	46			10	78	12					3936	
1N/22W-22L 2 S	--	8.0	3300	445	173	35	2	0	221	410	938	0.0	0.2	0.81	--	2652	1823
10- 8-64				22.21	14.23	1.52	0.05		3.62	8.54	26.45						
				58	37	4			9	22	69					2113	
1N/22W-22M 3 S	66	7.3	5118	584	194	182	8	0	201	463	1410	0	0.7	0.75	--	3976	2256
2- 9-65				29.14	15.95	7.91	0.20		3.29	9.64	39.76						
				55	30	15			6	18	75					2941	
1N/22W-22M 8 S	--	7.4	5784	688	231	189	9	0	207	439	1715	0	0.8	0.65	--	4196	2669
5-26-65				34.33	19.00	8.22	0.23		3.39	9.14	48.36						
				56	31	13			6	15	79					3374	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 / OXNARD HYDRO SUBAREA U03A1 — SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
1N/22W-22P 2 S	68	7.8	3770	513	40	170	14	0	161	512	850	0.8	0.4	1.28	--	2588	1446
6-23-65				25.60	3.29	7.39	0.36		2.64	10.66	23.97	0.01					
				70	9	20	1		7	29	64					2181	
1N/22W-22Q 2 S	--	8.1	1080	112	43	88	4	0	264	351	44	0.0	0.6	0.60	--	824	457
10- 9-64				5.59	3.54	3.83	0.10		4.33	7.31	1.24						
				43	27	29	1		34	57	10					773	
	67	8.0	1010	112	46	87	4	0	268	358	48	0.0	0.6	0.64	--	870	469
2- 6-65				5.59	3.78	3.78	0.10		4.39	7.45	1.35						
				42	29	29	1		33	56	10					788	
1N/22W-22R 1 S	--	7.7	1015	116	45	93	5	0	349	303	57	9.0	0.2	0.76	--	846	475
2- 4-65				5.79	3.70	4.04	0.13		5.72	6.31	1.61	0.15					
				42	27	30	1		41	46	12	1				801	
1N/22W-23B 2 S	--	7.9	1180	116	51	90	4	0	258	392	48	0	0.4	0.70	--	858	499
6- 3-65				5.79	4.19	3.91	0.10		4.23	8.16	1.35						
				41	30	28	1		31	59	10					829	
1N/22W-23C 1 S	--	7.6	1080	112	44	91	5	0	260	359	44	0.0	0.6	0.57	--	858	461
10- 9-64				5.59	3.62	3.96	0.13		4.26	7.47	1.24						
				42	27	30	1		33	58	10					784	
	69	8.3	1171	122	39	86	4	15	233	374	44	0.0	1.0	0.56	37	860	465
10-22-64				6.09	3.21	3.74	0.10	0.50	3.82	7.79	1.24						
				46	24	28	1	4	29	58	9					837	
	67	7.9	1211	114	41	84	5	0	264	361	41	0.0	0.8	0.75	--	763	453
2- 5-65				5.69	3.37	3.65	0.13		4.33	7.52	1.16						
				44	26	28	1		33	58	9					777	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 — SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-23C 1 S 5-27-65	--	8.0	1160	83 4.14 31	62 5.10 38	91 3.96 30	4 0.10 1	0	258 4.23 31	378 7.87 58	52 1.47 11	0	0.4	0.67	--	850 798	462
1N/22W-23C 2 S 10- 9-64	--	7.6	1060	101 5.04 40	41 3.37 27	92 4.00 32	6 0.15 1	0	190 3.11 24	403 8.39 66	46 1.30 10	0.0	0.6	0.55	--	810 784	421
1N/22W-23E 2 S 10-20-64	--	8.1	1520	123 6.14 35	75 6.17 35	115 5.00 29	5 0.13 1	0	245 4.02 23	352 7.33 42	211 5.95 34	0.0	0.4	0.91	--	1186 1003	616
11-20-64	68	7.9	1620	124 6.19 34	85 6.99 38	112 4.87 27	5 0.13 1	--	244 4.00 22	366 7.62 42	237 6.68 37	0.0	0.6	0.82	--	1302 1050	660
12-22-64	--	7.9	1700	195 9.73 51	52 4.28 22	115 5.00 26	5 0.13 1	0	247 4.05 21	362 7.54 40	260 7.33 39	0.0	0.6	0.82	--	1154 1112	701
1-12-65	66	7.6	1739	188 9.38 50	59 4.85 26	105 4.57 24	5 0.13 1	0	245 4.02 21	349 7.27 39	260 7.33 39	7.0 0.11 1	0.8	0.74	--	1220 1095	712
3-10-65	--	7.9	1550	174 8.68 49	50 4.11 23	108 4.70 27	6 0.15 1	0	257 4.21 24	352 7.33 42	213 6.01 34	0.0	0.6	0.79	--	1186 1031	640
4-20-65	--	7.7	1670	171 8.53 48	58 4.77 27	100 4.35 24	5 0.13 1	0	249 4.08 23	365 7.60 42	222 6.26 35	0	0.9	0.70	--	1220 1045	666

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent / reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-23E 3 S	--	8.0	7000	556	325	1350	11	0	408	4491	415	30.0	1.4	7.90	--	7870	2726
10-20-64				27.74	26.73	58.70	0.28		6.69	93.50	11.70	0.48					
				24	24	52			6	83	10					7388	
	69	8.0	7800	535	316	1380	13	--	420	4538	472	4.0	1.4	7.70	--	8360	2637
11-20-64				26.70	25.99	60.00	0.33		6.88	94.48	13.31	0.06					
				24	23	53			6	82	12					7474	
1N/22W-23N 2 S	--	7.8	1125	126	41	103	5	0	304	338	79	4.0	0.4	0.79	--	876	483
2- 4-65				6.29	3.37	4.48	0.13		4.98	7.04	2.23	0.06					
				44	24	31	1		35	49	16					847	
1N/22W-23Q 1 S	66	7.8	1546	159	49	97	8	0	259	403	142	0.0	0.8	0.63	--	1017	598
2- 4-65				7.93	4.03	4.22	0.20		4.25	8.39	4.00						
				48	25	26	1		26	50	24					987	
	--	7.9	1500	102	85	115	5	0	189	417	185	0	0.6	0.61	--	1116	604
6- 1-65				5.09	6.99	5.00	0.13		3.10	8.68	5.22						
				30	41	29	1		18	51	31					1003	
1N/22W-26A 1 S	70	8.4	1458	155	53	115	5	10	267	506	59	16	0.9	0.62	33	1120	605
10-22-64				7.73	4.36	5.00	0.13	0.33	4.38	10.53	1.66	0.26					
				45	25	29	1	2	26	61	10	2				1085	
1N/22W-26D 4 S	--	7.9	1340	92	73	110	4	0	266	468	56	9	0.2	0.73	--	992	530
6- 1-65				4.59	6.00	4.78	0.10		4.36	9.74	1.58	0.15					
				30	39	31	1		28	62	10	1				944	
1N/22W-26J 2 S	--	8.0	1117	109	36	88	4	0	313	249	60	0	0.8	0.67	--	805	420
6- 1-65				5.44	2.96	3.83	0.10		5.13	5.18	1.69						
				44	24	31	1		43	43	14					701	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 — SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-26M 1 S	--	7.5	1700	110	87	140	6	0	254	376	238	0.0	0.6	0.88	--	1280	633
10-14-64				5.49	7.15	6.09	0.15		4.16	7.83	6.71						
				29	38	32	1		22	42	36					1083	
	--	7.9	1779	172	53	124	5	0	266	363	241	0.0	0.8	0.74	--	1077	648
2- 9-65				8.58	4.36	5.39	0.13		4.36	7.56	6.80						
				46	24	29	1		23	40	36					1090	
	66	8.1	1650	108	91	145	7	0	272	414	228	0	0.4	0.73	--	1208	644
5- 7-65				5.39	7.48	6.30	0.18		4.46	8.62	6.43						
				28	39	33	1		23	44	33					1128	
1N/22W-26M 3 S	68	8.2	1200	84	66	101	5	0	261	415	48	2	0.2	0.51	--	872	481
6- 1-65				4.19	5.43	4.39	0.13		4.28	8.64	1.35	0.03					
				30	38	31	1		30	60	9					850	
1N/22W-26Q 1 S	66	7.2	1120	115	37	85	4	0	237	363	39	1.0	0.4	0.59	--	858	439
10-22-64				5.74	3.04	3.70	0.10		3.88	7.56	1.10	0.02					
				46	24	29	1		31	60	9					761	
	67	7.7	1225	115	38	100	7	0	255	362	45	0	0.5	0.53	--	863	444
6- 1-65				5.74	3.13	4.35	0.18		4.18	7.54	1.27						
				43	23	32	1		32	58	10					793	
1N/22W-27A 2 S	69	8.2	1230	60	83	92	4	0	232	373	88	0.0	0.6	0.67	--	878	491
10- 6-64				2.99	6.83	4.00	0.10		3.80	7.77	2.48						
				21	49	29	1		27	55	18					815	
1N/22W-27B 2 S	--	7.4	8695	1062	335	343	20	0	215	583	2800	11.0	0.7	0.84	--	5875	4030
2- 6-65				52.99	27.55	14.91	0.51		3.52	12.14	78.96	0.18					
				55	29	16	1		4	13	83					5261	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 — SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-27B 2 S	--	7.6	8200	1102	331	440	8	0	160	649	3053	0	0.2	0.97	--	6892	4114
6- 1-65				54.99	27.22	19.13	0.20		2.62	13.51	86.09						
				54	27	19			3	13	84					5663	
1N/22W-27B 4 S	--	8.2	1000	92	38	93	6	0	197	364	40	0.0	0.2	0.59	--	868	386
10-14-64				4.59	3.13	4.04	0.15		3.23	7.58	1.13						
				39	26	34	1		27	63	9					731	
	--	8.2	1004	42	38	98	5	0	104	323	60	0.0	0.6	0.67	--	559	262
2- 9-65				2.10	3.13	4.26	0.13		1.70	6.72	1.69						
				22	33	44	1		17	66	17					618	
	--	8.0	1300	119	44	125	7	0	292	396	67	0	0.2	0.50	--	944	478
5- 7-65				5.94	3.62	5.44	0.18		4.79	8.24	1.89						
				39	24	36	1		32	55	13					902	
1N/22W-27H 1 S	68	8.0	1360	92	75	110	5	0	260	398	115	0	0.6	0.70	--	976	538
6- 1-65				4.59	6.17	4.78	0.13		4.26	8.29	3.24						
				29	39	31	1		27	53	21					924	
1N/22W-27J 2 S	70	7.5	1950	175	107	175	6	0	242	408	440	0.0	0.4	0.48	--	1540	877
10- 9-64				8.73	8.80	7.61	0.15		3.97	8.49	12.41						
				35	35	30	1		16	34	50					1431	
	--	7.8	2400	164	122	187	7	0	264	434	454	0	0.4	0.56	--	1620	911
6- 1-65				8.18	10.03	8.13	0.18		4.33	9.04	12.80						
				31	38	31	1		17	35	49					1499	
1N/22W-27R 1 S	--	7.5	1300	113	39	112	5	0	299	325	74	0.0	0.6	0.73	--	850	443
10-14-64				5.64	3.21	4.87	0.13		4.90	6.77	2.09						
				41	23	35	1		36	49	15					816	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 — SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-27R 1 S	--	9.4	516	4	7	88	4	14	86	95	36	1	0.3	0.25	--	289	39
4- 8-65				0.20	0.58	3.83	0.10	0.47	1.41	1.98	1.02	0.02					
				4	12	81	2	10	29	40	21					292	
1N/22W-27R 2 S	67	7.6	970	88	49	95	5	0	269	326	46	1.0	0.2	0.55	--	804	421
10- 7-64				4.39	4.03	4.13	0.13		4.41	6.79	1.30	0.02					
				35	32	33	1		35	54	10					743	
	--	9.0	1060	26	10	150	7	8	39	174	163	1	0.3	0.12	--	570	106
4- 8-65				1.30	0.82	6.52	0.18	0.27	0.64	3.62	4.60	0.02					
				15	9	74	2	3	7	40	50					559	
1N/22W-28B 1 S	--	6.2	7500	643	263	755	16	0	34	525	2713	0.0	0.1	0.68	--	4960	2688
10-22-64				32.09	21.63	32.83	0.41		0.56	10.93	76.51						
				37	25	38			1	12	87					4932	
	--	4.5	7600	611	272	850	16	0	0	500	2819	2.0	0.1	0.98	--	5520	2645
12-22-64				30.49	22.37	36.96	0.41			10.41	79.50	0.03					
				34	25	41				12	88					5071	
	--	4.2	6400	585	260	740	18	0	0	389	2649	0.0	0.1	0.53	--	5580	2531
2- 3-65				29.19	21.38	32.18	0.46			8.10	74.70						
				35	26	39	1			10	90					4642	
	--	4.9	7400	595	238	790	19	0	6	415	2628	2	0.1	0.76	--	5840	2465
3-11-65				29.69	19.57	34.35	0.49		0.10	8.64	74.11	0.03					
				35	23	41	1			10	89					4691	
	--	4.9	7692	497	228	780	24	0	7	450	2450	6	0.8	0.80	--	4570	2179
4-15-65				24.80	18.75	33.91	0.61		0.11	9.37	69.09	0.10					
				32	24	43	1			12	88					4440	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-28C 1 S	--	7.2	11000	756	287	1760	21	0	197	768	4294	0.0	0.1	1.00	--	10580	3068
10-22-64				37.72	23.60	76.52	0.54		3.23	15.99	121.09						
				27	17	55			2	11	86					7984	
	--	6.8	12400	657	319	2070	23	0	56	678	4590	0.0	0.1	1.25	--	8560	2953
12-23-64				32.78	26.23	90.00	0.59		0.92	14.12	129.44						
				22	18	60			1	10	90					8366	
	--	6.6	11200	697	277	1980	26	0	13	620	4567	0.0	0.1	0.97	--	9560	2880
3-10-65				34.78	22.78	86.09	0.66		0.21	12.91	128.79						
				24	16	60				9	91					8174	
	--	5.5	12821	537	268	1900	23	0	15	658	4200	5	1.1	1.30	--	8040	2444
4-15-65				26.80	22.04	82.61	0.59		0.25	13.70	118.44	0.08					
				20	17	63				10	89					7601	
1N/22W-28H 2 S	70	7.5	1167	120	43	86	4	0	256	374	49	0.0	0.9	0.68	36	840	477
10-23-64				5.99	3.54	3.74	0.10		4.20	7.79	1.38						
				45	26	28	1		31	58	10					839	
1N/22W-29A 4 S	68	7.4	1040	49	66	113	11	0	177	418	46	0.0	0.2	0.41	--	854	394
10- 5-64				2.45	5.43	4.91	0.28		2.90	8.70	1.30						
				19	42	38	2		22	67	10					791	
	--	7.8	1214	117	36	93	11	0	247	376	39	1	0.5	0.43	--	850	440
4- 7-65				5.84	2.96	4.04	0.28		4.05	7.83	1.10	0.02					
				45	23	31	2		31	60	8					795	
1N/22W-35C 1 S	--	7.6	1182	113	38	89	--	--	294	318	48	--	0.6	0.63	--		439
11-27-64				5.64	3.13	3.87			4.82	6.62	1.35					797	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 — SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD HYDRO SUBAREA U03A1																	
1N/22W-35C 1 S 5-14-65	--	7.5	1182	114 5.69	34 2.80	90 3.91	--	--	291 4.77	308 6.41	46 1.30	--	0.5	0.75	--	 802	425
1N/22W-35G 1 S 6- 1-65	--	8.0	802	68 3.39 39	20 1.64 19	82 3.57 41	3 0.08 1	0	346 5.67 67	67 1.39 17	48 1.35 16	0	0.9	0.61	--	556 460	252
1N/22W-36B 2 S 10-23-64	72	7.8	1048	96 4.79 39	37 3.04 25	98 4.26 35	7 0.18 1	0	271 4.44 36	286 5.95 49	63 1.78 15	4.0 0.06	0.7	0.54	44	760 769	392
1N/22W-36K 1 S 10-23-64	70	7.6	1940	183 9.13 45	60 4.93 24	143 6.22 30	6 0.15 1	0	272 4.46 22	305 6.35 31	335 9.45 47	3.0 0.05	0.7	0.66	44	1410 1214	704
1N/22W-36M 1 S 8-25-65	--	7.6	896	77 3.84 40	26 2.14 22	82 3.57 37	4 0.10 1	0	337 5.52 57	135 2.81 29	47 1.33 14	0	0.7	0.61	--	569 538	299
1N/23W- 1H 1 S 6- 8-65	--	8.1	1156	117 5.84 45	39 3.21 25	88 3.83 30	4 0.10 1	0	274 4.49 35	333 6.93 55	44 1.24 10	0	0.6	0.69	--	828 761	453
2N/21W-18H 1 S 10-22-64	--	7.6	1682	162 8.08 42	61 5.02 26	138 6.00 31	5 0.13 1	0	336 5.51 29	502 10.45 54	100 2.82 15	27.0 0.44 2	0.8	0.61	--	1210 1162	656
2N/21W-19A 2 S 11- 4-64	--	7.6	1748	170 8.48 43	67 5.51 28	132 5.74 29	--	--	304 4.98 25	600 12.49 63	81 2.28 11	9.0 0.15 1	0.6	0.75	--	 1307 1210	700

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
OXNARD PLAIN HYDRO SUBUNIT U03A0 — SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD HYDRO SUBAREA U03A1																	
2N/21W-19A 2 S 5-13-65	--	7.4	1838	177 8.83 44	61 5.02 25	140 6.09 31	--	--	322 5.28 26	535 11.14 55	122 3.44 17	16 0.26 1	0.7	0.71	--	 1392 1211	693
2N/21W-20F 1 S 2-19-65	68	8.0	1060	79 3.94 32	44 3.62 29	110 4.78 38	3 0.08 1	0	334 5.47 45	223 4.64 38	67 1.89 15	17 0.27 2	0.2	0.45	--	724 708	378
2N/21W-20F 2 S 2-19-65	69	7.9	1220	83 4.14 29	50 4.11 29	137 5.96 42	5 0.13 1	0	292 4.79 33	373 7.77 54	64 1.80 13	2 0.03	0.2	0.57	--	904 858	413
2N/22W-12D 1 S 5-20-65	--	7.5	1692	152 7.58 39	57 4.69 24	162 7.04 36	--	--	316 5.18 27	583 12.14 63	69 1.95 10	3 0.05	0.5	0.50	--	 1265 1182	614
2N/22W-12G 1 S 10-20-64	--	7.6	2193	256 12.77 45	92 7.57 27	180 7.83 28	7 0.18 1	0	362 5.93 21	921 19.18 68	112 3.16 11	5.0 0.08	1.3	0.84	31	1870 1784	1018
2N/22W-14P 2 S 12-21-64	--	7.5	1698	168 8.38 44	57 4.69 25	136 5.91 31	--	--	352 5.77 30	533 11.10 58	65 1.83 10	24.0 0.39 2	0.7	0.79	--	 1305 1157	654
3-24-65	--	7.7	1680	167 8.33 44	64 5.26 28	124 5.39 28	--	--	345 5.65 30	535 11.14 58	66 1.86 10	25 0.40 2	0.8	0.64	--	 1270 1152	680
6-16-65	--	7.7	1293	109 5.44 40	44 3.62 26	107 4.65 34	--	--	257 4.21 31	388 8.08 59	46 1.30 9	12 0.19 1	0.7	0.61	--	 953 834	453

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
2N/22W-15Q 3 S	--	7.6	1692	172	60	143	6	0	319	570	74	34.0	0.9	0.62	34	1320	676
10-20-64				8.58	4.93	6.22	0.15		5.23	11.87	2.09	0.55					
				43	25	31	1		26	60	11	3				1251	
2N/22W-16K 1 S	--	7.9	1403	121	40	132	--	--	255	444	53	5.0	0.7	0.75	--		467
11- 4-64				6.04	3.29	5.74			4.18	9.24	1.49	0.08				995	
				40	22	38			28	62	10	1				922	
	--	7.4	1402	111	44	132	--	--	256	446	54	6	0.7	0.55	--		458
5-13-65				5.54	3.62	5.74			4.20	9.29	1.52	0.10				1007	
				37	24	39			28	61	10	1				920	
2N/22W-17Q 4 S	--	8.0	1700	161	38	125	6	0	265	469	85	0.0	0.2	0.55	--	1120	558
4-20-65				8.03	3.13	5.44	0.15		4.34	9.76	2.40						
				48	19	32	1		26	59	15					1015	
2N/22W-20Q 1 S	--	7.8	1661	171	54	132	--	--	270	555	87	19.0	0.6	0.66	--		649
11- 4-64				8.53	4.44	5.74			4.43	11.56	2.45	0.31				1250	
				46	24	31			24	62	13	2				1152	
	--	7.5	1652	160	49	132	--	--	270	512	83	19	0.6	0.71	--		601
5-13-65				7.98	4.03	5.74			4.43	10.66	2.34	0.31				1257	
				45	23	32			25	60	13	2				1089	
2N/22W-21D 3 S	--	7.8	2016	222	90	138	5	0	240	761	148	37.0	0.9	0.68	30	1630	925
10-20-64				11.08	7.40	6.00	0.13		3.93	15.84	4.17	0.60					
				45	30	24	1		16	65	17	2				1551	
2N/22W-23B 1 S	--	7.3	1777	172	66	132	--	--	284	584	76	45.0	0.8	0.71	--		701
12-14-64				8.58	5.43	5.74			4.65	12.16	2.14	0.73				1370	
				43	27	29			24	62	11	4				1216	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
2N/22W-23B 2 S 12-14-64	--	7.5	1643	150 7.49 41	64 5.26 29	124 5.39 30	--	--	305 5.00 27	521 10.85 60	65 1.83 10	32.0 0.52 3	0.7	0.76	--	 1242 1107	638
2N/22W-23C 2 S 12-14-64	--	7.6	1588	154 7.68 43	56 4.61 26	124 5.39 30	--	--	265 4.34 25	548 11.41 65	64 1.80 10	7.0 0.11 1	0.8	0.93	--	 1176 1085	615
2N/22W-23C 3 S 12-14-64	--	7.5	1428	141 7.04	43 3.54	118 5.13	--	--	279 4.57	454 9.45	57 1.61	--	0.6	0.60	--	 1167	529
2N/22W-23G 1 S 12-14-64	--	7.4	1650	174 8.68 46	58 4.77 25	124 5.39 29	--	--	285 4.67 25	564 11.74 62	72 2.03 11	34.0 0.55 3	0.8	0.85	--	 1327 1168	673
2N/22W-23G 2 S 12-14-64	--	7.4	1650	154 7.68 41	64 5.26 28	128 5.57 30	--	--	293 4.80 26	547 11.39 61	72 2.03 11	27.0 0.44 2	0.8	0.77	--	 1287 1138	648
2N/22W-23J 1 S 10-21-64	--	8.1	1716	187 9.33 46	68 5.59 27	125 5.44 27	5 0.13 1	0	300 4.92 24	613 12.76 63	75 2.12 10	35.0 0.56 3	1.0	0.78	34	1413 1291	747
2N/22W-23K 4 S 12-14-64	--	7.7	1292	127 6.34	36 2.96	107 4.65	--	--	262 4.29	391 8.14	48 1.35	--	0.5	0.56	--	 910	465
2N/22W-23Q 1 S 10-27-64	--	8.0	1590	191 9.53 46	68 5.59 27	125 5.44 26	5 0.13 1	0	306 5.02 25	618 12.87 63	76 2.14 10	26.0 0.42 2	0.4	0.88	--	1450 1261	757

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
2N/22W-25A 4 S	--	7.7	1808	193	72	140	6	0	293	716	70	6	1.1	0.88	--	1520	778
8-19-65				9.63	5.92	6.09	0.15		4.80	14.91	1.97	0.10					
				44	27	28	1		22	68	9					1349	
2N/22W-26F99 S	--	7.6	1568	160	50	118	--	--	276	499	65	17.0	0.6	0.75	--		605
10- 9-64				7.98	4.11	5.13			4.52	10.39	1.83	0.27				1177	
				46	24	30			27	61	11	2				1046	
	--	7.5	1482	155	45	112	--	--	279	468	65	12.0	0.6	0.68	--		572
11-23-64				7.73	3.70	4.87			4.57	9.74	1.83	0.19				1085	
				47	23	30			28	60	11	1				995	
	--	7.3	1452	145	48	116	--	--	277	475	59	10.0	0.7	0.68	--		560
12-28-64				7.24	3.95	5.04			4.54	9.89	1.66	0.16				1113	
				45	24	31			28	61	10	1				991	
2N/22W-27L 1 S	--	8.1	1500	169	63	115	5	0	361	512	75	15.0	0.6	0.84	--	1338	681
10-21-64				8.43	5.18	5.00	0.13		5.92	10.66	2.12	0.24					
				45	28	27	1		31	56	11	1				1133	
2N/22W-27M 2 S	--	7.7	1625	176	68	106	5	0	353	508	72	27.0	0.9	0.65	--	1233	719
10-22-64				8.78	5.59	4.61	0.13		5.79	10.58	2.03	0.44					
				46	29	24	1		31	56	11	2				1137	
2N/22W-31C 2 S	64	7.6	1202	122	42	83	4	0	244	384	43	2	0.8	0.65	--	889	477
8-17-65				6.09	3.45	3.61	0.10		4.00	7.99	1.21	0.03					
				46	26	27	1		30	60	9					801	
2N/23W-13F 1 S	70	7.3	1550	106	61	172	6	0	300	498	82	1.0	0.2	0.68	--	1160	516
10-26-64				5.29	5.02	7.48	0.15		4.92	10.37	2.31	0.02					
				29	28	42	1		28	59	13					1074	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
OXNARD HYDRO SUBAREA U03A1																	
2N/23W-13F 1 S 9-28-65	--	7.8	1572	131 6.54 38	45 3.70 21	160 6.96 40	5 0.13 1	0	310 5.08 29	490 10.20 58	75 2.12 12	4 0.06	0.7	0.62	--	1100 1064	512
2N/23W-14M 1 S 10-22-64	--	7.7	1524	155 7.73 43	49 4.03 22	144 6.26 34	5 0.13 1	0	359 5.88 32	490 10.20 56	74 2.09 11	2.0 0.03	0.7	0.60	40	1145 1137	588
2N/23W-23C 1 S 12-14-64	--	7.5	1620	161 8.03 45	52 4.28 24	128 5.57 31	--	--	310 5.08 29	512 10.66 60	60 1.69 10	22.0 0.35 2	0.7	0.78	--	 1255 1089	616
2N/23W-23G 1 S 8- 6-65	--	8.1	1278	125 6.24 43	39 3.21 22	113 4.91 34	5 0.13 1	0	261 4.28 31	394 8.20 59	52 1.47 11	2 0.03	0.5	0.44	--	958 859	473
2N/23W-25Q 1 S 10-22-64	--	7.6	1368	128 6.39 42	40 3.29 22	125 5.44 36	4 0.10 1	0	273 4.47 30	439 9.14 61	52 1.47 10	1.0 0.02	0.7	0.46	--	970 924	484
2N/23W-35B 1 S 10-21-64	--	7.8	1105	92 4.59 32	48 3.95 28	128 5.57 39	4 0.10 1	0	191 3.13 22	454 9.45 66	62 1.75 12	0.0	2.4	0.60	--	952 885	427
2N/23W-36A 1 S 11-25-64	--	7.6	1376	128 6.39	37 3.04	124 5.39	--	--	264 4.33	425 8.85	57 1.61	--	0.6	0.57	--	 985	472

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
PLEASANT VALLEY HYDRO SUBAREA U03A2																	
1N/21W- 2J 3 S	70	7.5	2628	268	92	208	5	0	332	765	294	33	0.8	0.84	--	2070	1048
8-25-65				13.37	7.57	9.04	0.13		5.44	15.93	8.29	0.53				1830	
				44	25	30			18	53	27	2					
1N/21W- 3A 2 S	76	7.6	2100	71	47	340	9	0	429	386	256	2	0.7	0.92	--	1440	371
8-19-65				3.54	3.87	14.78	0.23		7.03	8.04	7.22	0.03				1324	
				16	17	66	1		31	36	32						
1N/21W- 3L 1 S	72	7.6	982	95	28	78	3	0	243	235	53	3.0	0.5	0.56	40	685	352
10-16-64				4.74	2.30	3.39	0.08		3.98	4.89	1.49	0.05				655	
				45	22	32	1		38	47	14						
	--	7.4	1006	97	31	84	--	--	233	254	61	0.0	0.3	0.30	--		370
11-18-64				4.84	2.55	3.65			3.82	5.29	1.72					677	
				44	23	33			35	49	16					642	
1N/21W- 9F 1 S	--	7.6	778	57	20	82	4	0	281	123	39	0	0.4	0.28	--	500	224
8-25-65				2.84	1.64	3.57	0.10		4.61	2.56	1.10					464	
				35	20	44	1		56	31	13						
1N/21W-15Q 1 S	--	7.7	1222	77	43	129	4	0	316	199	129	1.0	0.4	0.36	52	810	369
10-16-64				3.84	3.54	5.61	0.10		5.18	4.14	3.64	0.02				790	
				29	27	43	1		40	32	28						
1N/21W-15Q 2 S	66	7.7	2300	244	59	235	6	0	392	567	309	0.0	0.2	0.40	--	1730	852
5- 6-65				12.18	4.85	10.22	0.15		6.42	11.80	8.71					1613	
				44	18	37	1		24	44	32						
1N/21W-21H 1 S	66	7.8	1000	109	47	88	5	0	257	381	46	0.0	0.6	0.71	--	872	466
2- 6-65				5.44	3.87	3.83	0.13		4.21	7.93	1.30					804	
				41	29	29	1		31	59	10						

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
PLEASANT VALLEY HYDRO SUBAREA U03A2																	
1N/21W-26K 1 S	70	7.3	2000	171	90	163	1	0	415	334	300	32.0	0.1	0.10	--	1492	797
10-15-64				8.53	7.40	7.09	0.03		6.80	6.95	8.46	0.52					
				37	32	31			30	31	37	2				1295	
1N/21W-27F 2 S	--	7.8	1437	71	54	165	5	0	320	275	158	1	0.6	0.42	--	1010	399
8-19-65				3.54	4.44	7.17	0.13		5.24	5.73	4.46	0.02					
				23	29	47	1		34	37	29					887	
2N/20W-30C 1 S	--	7.7	2410	156	90	330	6	--	325	842	255	0.0	0.4	1.00	--	1970	760
10- 9-64				7.78	7.40	14.35	0.15		5.33	17.53	7.19						
				26	25	48	1		18	58	24					1840	
2N/20W-30Q 1 S	--	8.0	1410	103	72	94	1	--	430	33	272	0.0	0.1	0.35	--	976	553
10- 8-64				5.14	5.92	4.09	0.03		7.05	0.69	7.67						
				34	39	27			46	4	50					787	
2N/21W-23K 4 S	68	8.0	1260	125	43	102	4	0	263	422	45	0.0	0.4	0.68	--	922	489
12-21-64				6.24	3.54	4.43	0.10		4.31	8.79	1.27						
				44	25	31	1		30	61	9					871	
2N/21W-23R 2 S	--	7.8	1370	142	39	100	4	0	243	313	100	80.0	0.6	0.40	--	985	515
12-15-64				7.09	3.21	4.35	0.10		3.98	6.52	2.82	1.29					
				48	22	29	1		27	45	19	9				898	
2N/21W-23R 3 S	--	8.0	1160	91	43	123	4	--	260	330	85	0.0	0.2	0.35	--	828	404
10- 9-64				4.54	3.54	5.35	0.10		4.26	6.87	2.40						
				34	26	40	1		31	51	18					804	
2N/21W-33A 1 S	--	7.6	2050	277	92	228	3	0	251	1023	200	3.0	0.4	0.72	--	2326	1070
10-21-64				13.82	7.57	9.91	0.08		4.11	21.30	5.64	0.05					
				44	24	32			13	68	18					1951	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
OXNARD PLAIN HYDRO SUBUNIT U03A0																	
PLEASANT VALLEY HYDRO SUBAREA U03A2																	
2N/21W-36N 4 S	--	7.8	1750	148	77	172	5	--	298	520	192	2.0	0.2	0.50	--	1374	687
10- 8-64				7.39	6.33	7.48	0.13		4.88	10.83	5.41	0.03					
				35	30	35	1		23	51	26					1263	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
SANTA PAULA HYDRO SUBUNIT U03B0																	
SANTA PAULA HYDRO SUBAREA U03B1																	
2N/22W- 1M 1 S	--	7.8	1238	132	45	84	4	0	209	436	60	1.0	0.6	0.37	36	900	515
10-20-64				6.59	3.70	3.65	0.10		3.43	9.08	1.69	0.02					
				47	26	26	1		24	64	12					902	
2N/22W- 3M 3 S	72	7.6	1340	144	45	105	4	0	323	420	59	1.0	0.7	0.50	38	975	545
10-20-64				7.19	3.70	4.57	0.10		5.29	8.74	1.66	0.02					
				46	24	29	1		34	56	11					976	
3N/21W- 9R 3 S	--	7.8	1135	130	30	83	3	0	293	327	38	0.0	0.8	0.42	37	823	448
10-21-64				6.49	2.47	3.61	0.08		4.80	6.81	1.07						
				51	20	29	1		38	54	8					793	
3N/21W-12D 1 S	--	7.7	3300	439	141	390	8	0	349	1716	337	20.0	0.4	0.67	--	3716	1677
10-28-64				21.91	11.60	16.96	0.20		5.72	35.73	9.50	0.32					
				43	23	33			11	70	19	1				3224	
3N/21W-15C 2 S	--	7.3	1616	204	54	97	3	0	359	514	69	26.0	0.8	0.54	34	1255	732
10-20-64				10.18	4.44	4.22	0.08		5.88	10.70	1.95	0.42					
				54	23	22			31	56	10	2				1179	
3N/21W-16K 2 S	--	7.7	2026	228	72	158	5	0	357	722	113	4.0	0.9	0.80	36	1615	866
10-21-64				11.38	5.92	6.87	0.13		5.85	15.03	3.19	0.06					
				47	24	28	1		24	62	13					1515	
3N/21W-21B 1 S	--	7.3	2080	198	72	187	--	--	388	674	118	--	0.7	1.34	--		791
11- 9-64				9.88	5.92	8.13			6.36	14.03	3.33					1600	
	--	7.4	2073	194	66	186	--	--	392	633	123	2	0.7	0.91	--		756
5-12-65				9.68	5.43	8.09			6.42	13.18	3.47	0.03				1572	
				42	23	35			28	57	15					1398	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
SANTA PAULA HYDRO SUBUNIT U03B0																	
SANTA PAULA HYDRO SUBAREA U03B1																	
3N/21W-21E 1 S	--	7.6	2150	186	112	240	6	0	465	834	129	0.0	0.8	1.53	--	1992	925
10-15-64				9.28	9.21	10.44	0.15		7.62	17.36	3.64						
				32	32	36	1		27	61	13					1738	
3N/21W-29B 1 S	--	7.8	2403	215	87	230	--	--	498	691	184	--	0.6	1.45	--		895
11- 3-64				10.73	7.15	10.00			8.16	14.39	5.19					1757	
	--	7.4	2233	188	60	230	--	--	510	499	202	--	0.7	1.29	--		716
5-12-65				9.38	4.93	10.00			8.36	10.39	5.70					1536	
3N/21W-31E 1 S	--	7.9	2383	271	76	211	--	--	351	965	100	--	0.5	1.13	--		989
11- 3-64				13.52	6.25	9.17			5.75	20.09	2.82					1965	
	--	7.3	2587	281	90	220	--	--	381	1044	105	--	0.6	0.72	--		1072
5-12-65				14.02	7.40	9.57			6.24	21.74	2.96					2133	
3N/22W-11H 1 S	--	7.8	3367	227	129	440	8	0	589	1137	280	17.0	1.5	0.94	31	2710	1098
10-20-64				11.33	10.61	19.13	0.20		9.65	23.67	7.90	0.27					
				27	26	46			23	57	19	1				2561	
3N/22W-23F 2 S	--	7.9	2034	190	70	204	10	0	538	603	94	7	0.6	0.60	--	1570	763
11- 2-64				9.48	5.76	8.87	0.26		8.82	12.55	2.65	0.11					
				39	24	36	1		37	52	11					1444	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
SANTA PAULA HYDRO SUBUNIT U03B0																	
SISAR HYDRO SUBAREA U03B2																	
4N/21W-18C 1 S	--	7.8	710	104	32	28	2	0	245	222	25	0.0	0.2	0.06	--	558	391
10-28-64				5.19	2.63	1.22	0.05		4.02	4.62	0.71						
				57	29	13	1		43	49	8					534	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
SESPE HYDRO SUBUNIT U03C0																	
FILLMORE HYDRO SUBAREA U03C1																	
3N/20W- 3N 2 S	--	7.8	1507	156	66	95	--	--	292	500	49	38.0	0.8	0.81	--		661
11- 3-64				7.78	5.43	4.13			4.79	10.41	1.38	0.61				1132	
				45	31	24			28	61	8	4				1049	
	--	7.3	1370	138	52	86	--	--	274	411	43	37	0.8	0.75	--		559
5-14-65				6.89	4.28	3.74			4.49	8.56	1.21	0.60				1036	
				46	29	25			30	58	8	4				903	
3N/20W- 5C 2 S	--	8.2	1260	153	51	63	2	0	327	373	31	51.0	0.4	0.22	--	1022	591
10-12-64				7.63	4.19	2.74	0.05		5.36	7.77	0.87	0.82					
				52	29	19			36	52	6	6				885	
3N/20W- 5D 1 S	--	7.8	1030	140	40	39	2	0	336	239	28	41.0	0.2	0.19	--	782	514
10-12-64				6.99	3.29	1.70	0.05		5.51	4.98	0.79	0.66					
				58	27	14			46	42	7	6				695	
3N/20W- 9F 1 S	--	7.4	3050	431	152	225	9	0	4	1557	142	71.0	1.0	1.69	--	3142	1702
10-15-64				21.51	12.50	9.78	0.23		0.07	32.42	4.00	1.15					
				49	28	22	1			86	11	3				2592	
	--	7.6	3425	392	162	270	9	0	431	1571	145	70	1.4	1.60	--	2990	1645
9-30-65				19.56	13.32	11.74	0.23		7.06	32.71	4.09	1.13					
				44	30	26	1		16	73	9	3				2834	
3N/21W-12C 1 S	--	7.6	1950	250	148	160	3	0	522	908	147	36.0	0.8	0.90	--	2214	1233
10-15-64				12.48	12.17	6.96	0.08		8.56	18.90	4.15	0.58					
				39	38	22			27	59	13	2				1910	
3N/21W-12D 2 S	--	7.6	3150	389	135	320	7	0	360	1415	301	0.0	0.8	0.62	--	2976	1527
10-15-64				19.41	11.10	13.91	0.18		5.90	29.46	8.49						
				44	25	31			13	67	19					2745	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SESPE HYDRO SUBUNIT U03C0 — SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
FILLMORE HYDRO SUBAREA U03C1																	
3N/21W-12H 1 S	--	7.8	1157	114	40	82	--	--	256	337	37	8.0	0.9	0.81	--		449
11- 5-64				5.69	3.29	3.57			4.20	7.02	1.04	0.13				830	
				45	26	28			34	57	8	1				746	
	--	7.5	1202	111	42	85	--	--	255	357	39	12	0.9	0.67	--		450
5-12-65				5.54	3.45	3.70			4.18	7.43	1.10	0.19				877	
				44	27	29			32	58	9	1				773	
4N/19W-33D 4 S	58	7.6	1305	139	62	84	4	0	264	485	27	11.0	1.1	0.72	33	1010	602
10-30-64				6.94	5.10	3.65	0.10		4.33	10.10	0.76	0.18					
				44	32	23	1		28	66	5	1				977	
	--	7.8	1523	167	70	93	5	0	279	584	30	20.0	1.0	0.78	--	1221	705
12- 1-64				8.33	5.76	4.04	0.13		4.57	12.16	0.85	0.32					
				46	32	22	1		26	68	5	2				1108	
4N/20W-12Q 1 S	--	8.0	1100	89	35	101	3	0	189	255	112	7.0	1.0	2.55	--	770	366
10-12-64				4.44	2.88	4.39	0.08		3.10	5.31	3.16	0.11					
				38	24	37	1		27	45	27	1				698	
4N/20W-23N 1 S	--	8.1	690	79	18	44	1	0	218	111	34	28.0	0.4	0.28	--	490	271
10-12-64				3.94	1.48	1.91	0.03		3.57	2.31	0.96	0.45					
				54	20	26			49	32	13	6				423	
4N/20W-23Q 1 S	--	8.0	1200	144	51	50	3	0	266	298	82	56.0	0.4	0.78	--	986	569
10-12-64				7.19	4.19	2.17	0.08		4.36	6.20	2.31	0.90					
				53	31	16	1		32	45	17	7				816	
4N/20W-24D 1 S	--	7.0	1340	127	67	77	3	0	329	294	101	45.0	0.6	1.20	--	954	593
10-27-64				6.34	5.51	3.35	0.08		5.39	6.12	2.85	0.73					
				41	36	22	1		36	41	19	5				878	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
SESPE HYDRO SUBUNIT U03C0																	
FILLMORE HYDRO SUBAREA U03C1																	
4N/20W-25C 1 S	--	7.3	1544	151	53	77	--	--	321	389	61	30.0	0.8	0.71	--		595
12- 9-64				7.53	4.36	3.35			5.26	8.10	1.72	0.48				978	
				49	29	22			34	52	11	3				920	
	--	7.4	1334	142	52	74	--	--	302	369	61	27	0.8	0.78	--		569
5-12-65				7.09	4.28	3.22			4.95	7.68	1.72	0.44				972	
				49	29	22			33	52	12	3				875	
4N/20W-25D 1 S	71	7.9	1074	108	34	71	3	0	162	320	63	11.0	1.0	1.25	19	753	410
10-27-64				5.39	2.80	3.09	0.08		2.66	6.66	1.78	0.18					
				47	25	27	1		24	59	16	2				711	
	74	7.8	1205	135	35	76	3	0	244	327	67	18	1.0	1.30	--	780	481
9-30-65				6.74	2.88	3.30	0.08		4.00	6.81	1.89	0.29					
				52	22	25	1		31	52	15	2				783	
4N/20W-25D 2 S	--	7.3	2188	270	117	112	4	0	454	773	98	106	1.2	1.70	--	1900	1155
8-26-65				13.47	9.62	4.87	0.10		7.44	16.09	2.76	1.71					
				48	34	17			27	57	10	6				1706	
4N/20W-25J 1 S	--	7.4	2012	254	95	108	5	0	521	637	86	53.0	1.0	0.78	39	1635	1025
10-27-64				12.67	7.81	4.70	0.13		8.54	13.26	2.43	0.85					
				50	31	19	1		34	53	10	3				1535	
4N/20W-26D 1 S	--	8.1	890	90	36	52	2	0	219	221	39	32.0	0.4	0.47	--	660	373
10-12-64				4.49	2.96	2.26	0.05		3.59	4.60	1.10	0.52					
				46	30	23	1		37	47	11	5				580	
4N/20W-33F 1 S	67	7.3	1406	184	53	72	2	0	317	432	39	88	0.6	0.12	--	1150	678
8-18-65				9.18	4.36	3.13	0.05		5.20	8.99	1.10	1.42					
				55	26	19			31	54	7	8				1027	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
SESPE HYDRO SUBUNIT U03C0																	
FILLMORE HYDRO SUBAREA U03C1																	
4N/20W-34R 1 S	--	7.5	1327	134	45	89	--	--	292	366	54	20.0	0.7	1.07	--		520
11- 4-64				6.69	3.70	3.87			4.79	7.62	1.52	0.32				955	
				47	26	27			34	53	11	2				853	
	--	7.3	1412*	146	49	93	--	--	317	379	65	42	0.7	0.76	--		566
5-12-65				7.29	4.03	4.04			5.20	7.89	1.83	0.68				1048	
				47	26	26			33	51	12	4				931	
4N/20W-36P 2 S	--	7.7	1140	126	45	107	7	0	281	431	35	8.0	1.0	0.67	--	954	500
10-15-64				6.29	3.70	4.65	0.18		4.61	8.97	0.99	0.13					
				42	25	31	1		31	61	7	1				899	
4N/20W-36Q 1 S	72	7.8	1285	122	49	96	4	0	277	412	38	7	0.9	0.50	--	870	506
9-30-65				6.09	4.03	4.17	0.10		4.54	8.58	1.07	0.11					
				42	28	29	1		32	60	7	1				866	
SESPE HYDRO SUBAREA U03C2																	
6N/22W-26Q 1 S	--	8.0	658	80	10	55	2	5	250	125	12	2.2	0.4	0.53	--	368	241
6-21-65				3.99	0.82	2.39	0.05	0.17	4.10	2.60	0.34	0.04					
				55	11	33	1	2	57	36	5	1				415	
6N/23W- 6K 1 S	--	8.2	1275	116	12	185	3	8	354	394	17	1.8	0.2	0.53	--	760	339
6-21-65				5.79	0.99	8.04	0.08	0.27	5.80	8.20	0.48	0.03					
				39	7	54	1	2	39	55	3					912	
6N/23W-18M 1 S	--	7.9	2160	273	60	235	4	0	477	824	146	2	0.2	0.57	--	1850	928
3- 3-65				13.62	4.93	10.22	0.10		7.82	17.16	4.12	0.03					
				47	17	35			27	59	14					1779	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
SESPE HYDRO SUBUNIT U03C0 SESPE HYDRO SUBAREA U03C2																	
6N/23W-18D 1 S 6-21-65	--	8.0	2296	215 10.73 48	22 1.81 8	220 9.57 43	3 0.08	0	373 6.11 27	767 15.97 71	18 0.51 2	0.9 0.01	0.7	0.80	--	1440 1431	628

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
PIRU HYDRO SUBUNIT U03D0																	
PIRU HYDRO SUBAREA U03D1																	
4N/18W-19R 1 S	--	7.9	1640	171	67	114	--	--	284	600	48	24.0	0.9	1.51	--		703
11- 3-64				8.53	5.51	4.96			4.65	12.49	1.35	0.39				1262	
				45	29	26			25	66	7	2				1166	
	--	7.5	1510	152	55	108	--	--	279	530	43	16	0.9	1.40	--		605
5-14-65				7.58	4.52	4.70			4.57	11.03	1.21	0.26				1205	
				49	27	28			27	65	7	2				1043	
4N/18W-27B 1 S	--	7.7	3408	331	161	336	8	0	391	1569	148	71.0	1.6	1.26	--	3107	1489
11-19-64				16.52	13.24	14.61	0.20		6.41	32.67	4.17	1.15					
				37	30	33			14	74	9	3				2819	
4N/18W-28C 2 S	62	7.6	3026	327	147	240	7	0	410	1338	132	49	1.1	0.92	--	2730	1422
8-26-65				16.32	12.09	10.44	0.18		6.72	27.86	3.72	0.79					
				42	31	27			17	71	10	2				2444	
4N/18W-31D 2 S	70	7.5	1565	167	83	87	5	0	268	656	34	17	1.4	0.84	--	1335	759
8-26-65				8.33	6.83	3.78	0.13		4.39	13.66	0.96	0.27					
				44	36	20	1		23	71	5	1				1183	
4N/19W-23AS1 S	--	7.8	3200	261	238	356	6	0	841	1599	9	0.0	0.4	0.86	--	3136	1631
10-21-64				13.02	19.57	15.48	0.15		13.78	33.29	0.25						
				27	41	32			29	70	1					2884	
4N/19W-23AS2 S	--	7.0	3500	489	257	330	5	0	800	2053	181	0.0	0.4	0.83	--	3800	2279
10-22-64				24.40	21.14	14.35	0.13		13.11	42.74	5.10						
				41	35	24			22	70	8					3710	
4N/19W-23B 1 S	76	7.9	5100	24	7	1750	18	0	4442	0	216	0.0	0.1	4.05	--	5110	89
10-21-64				1.20	0.58	76.09	0.46		72.80		6.09						
				2	1	97	1		92		8					4203	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
PIRU HYDRO SUBUNIT U03D0																	
PIRU HYDRO SUBAREA U03D1																	
4N/19W-25C 2 S	--	7.7	1863	209	90	116	5	0	313	767	47	24.0	1.4	1.06	--	1523	892
12- 1-64				10.43	7.40	5.04	0.13		5.13	15.97	1.33	0.39					
				45	32	22	1		22	70	6	2				1414	
4N/19W-25E 2 S	62	7.4	1850	160	124	150	5	0	348	821	55	17.0	0.8	0.93	--	1622	910
10-23-64				7.98	10.20	6.52	0.13		5.70	17.09	1.55	0.27					
				32	41	26	1		23	69	6	1				1505	
4N/19W-25L 5 S	64	7.6	2300	269	125	160	6	0	421	984	52	84.0	0.4	1.38	--	2036	1186
10-23-64				13.42	10.28	6.96	0.15		6.90	20.49	1.47	1.35					
				44	33	23			23	68	5	4				1889	
4N/19W-25M 2 S	62	8.0	1550	165	75	102	6	0	245	615	52	33.0	0.6	0.95	--	1014	721
10-23-64				8.23	6.17	4.43	0.15		4.02	12.80	1.47	0.53					
				43	33	23	1		21	68	8	3				1170	
	--	8.0	1848	196	84	100	--	--	255	684	56	59.0	0.9	1.49	--		835
11- 3-64				9.78	6.91	4.35			4.18	14.24	1.58	0.95				1432	
				46	33	21			20	68	8	5				1307	
	--	7.6	1573	153	69	121	--	--	237	562	50	38	0.9	0.90	--		666
5-12-65				7.63	5.67	5.26			3.88	11.70	1.41	0.61				1248	
				41	31	28			22	66	8	3				1111	
4N/19W-26H 1 S	68	7.8	1360	110	81	110	4	0	262	546	43	6.0	0.6	0.95	--	1102	608
10-23-64				5.49	6.66	4.78	0.10		4.29	11.37	1.21	0.10					
				32	39	28	1		25	67	7	1				1030	
4N/19W-26J 1 S	--	7.7	2450	308	111	220	5	0	581	1033	52	71.0	0.2	0.50	--	2374	1226
10-23-64				15.37	9.13	9.57	0.13		9.52	21.51	1.47	1.15					
				45	27	28			28	64	4	3				2086	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
PIRU HYDRO SUBUNIT U03D0 — SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
PIRU HYDRO SUBAREA U03D1																	
4N/19W-26J 3 S	60	7.9	1900	207	103	120	5	0	287	795	53	62.0	0.6	0.90	--	1590	941
10-23-64				10.33	8.47	5.22	0.13		4.70	16.55	1.49	1.00					
				43	35	22	1		20	70	6	4				1488	
4N/19W-26P 2 S	62	7.7	1900	92	164	157	7	0	448	717	57	58.0	0.6	1.07	--	1720	905
10-23-64				4.59	13.49	6.83	0.18		7.34	14.93	1.61	0.94					
				18	54	27	1		30	60	6	4				1474	
4N/19W-26Q 1 S	66	7.9	2250	142	187	170	6	0	403	1076	57	18.0	0.8	0.98	--	1998	1124
10-23-64				7.09	15.38	7.39	0.15		6.61	22.40	1.61	0.29					
				24	51	25			21	72	5	1				1856	
4N/19W-33M 2 S	--	7.8	1447	148	62	88	--	--	260	511	38	25.0	0.9	0.96	--		625
11- 3-64				7.39	5.10	3.83			4.26	10.64	1.07	0.40				1100	
				45	31	23			26	65	7	2				1002	
	--	7.2	1363	128	56	88	--	--	251	453	44	14	0.9	0.67	--		550
5-19-65				6.39	4.61	3.83			4.11	9.43	1.24	0.23				1030	
				43	31	26			27	63	8	2				908	
4N/19W-35C 1 S	61	7.6	1700	77	142	140	6	0	400	615	53	71.0	0.6	0.95	--	1498	777
10-23-64				3.84	11.68	6.09	0.15		6.56	12.80	1.49	1.15					
				18	54	28	1		30	58	7	5				1302	
UPPER PIRU HYDRO SUBAREA U03D2																	
5N/18W-15P 1 S	--	7.5	1370	116	52	108	--	--	247	444	55	--	1.3	2.16	--		504
11-18-64				5.79	4.28	4.70			4.05	9.24	1.55					1010	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
PIRU HYDRO SUBUNIT U03D0																	
UPPER PIRU HYDRO SUBAREA U03D2																	
6N/18W-12H 1 S	--	7.4	1420	173	35	170	4	0	367	576	25	0.0	0.4	0.40	--	1144	576
3-15-65				8.63	2.88	7.39	0.10		6.02	11.99	0.71						
				45	15	39	1		32	64	4					1164	
6N/18W-15P 1 S	--	7.5	1118	82	40	97	--	--	216	349	34	1	1.3	1.71	--		369
5-20-65				4.09	3.29	4.22			3.54	7.27	0.96	0.02				775	
				35	28	36			30	62	8					712	
8N/20W-26H 1 S	--	7.6	1670	187	48	135	1	0	222	712	9	8	0.4	107.00	--	1250	665
2-25-65				9.33	3.95	5.87	0.03		3.64	14.82	0.25	0.13					
				49	21	31			19	79	1	1				1317	
HUNGRY VALLEY HYDRO SUBAREA U03D3																	
7N/18W- 7J 1 S	--	8.2	420	44	18	29	2	0	208	43	10	20	0.2	0.12	--	296	184
4-24-65				2.20	1.48	1.26	0.05		3.41	0.90	0.28	0.32					
				44	30	25	1		69	18	6	7				269	
7N/19W-12B 1 S	--	8.0	500	47	17	40	2	0	222	70	11	15	0.4	0.12	--	354	188
2-24-65				2.35	1.40	1.74	0.05		3.64	1.46	0.31	0.24					
				42	25	31	1		64	26	5	4				312	
8N/18W-15MS1 S	50	7.5	656	79	20	37	2	0	278	102	7	14	2.5	0.16	--	405	279
1-29-65				3.94	1.64	1.61	0.05		4.56	2.12	0.20	0.23					
				54	23	22	1		64	30	3	3				400	
8N/18W-16RS1 S	50	7.8	702	71	16	57	1	0	205	162	12	17	3.2	0.08	--	455	243
1-28-65				3.54	1.32	2.48	0.03		3.36	3.37	0.34	0.27					
				48	18	34			46	46	5	4				440	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 80°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
PIRU HYDRO SUBUNIT U03D0																	
HUNGRY VALLEY HYDRO SUBAREA U03D3																	
8N/19W-22N 1 S	--	8.1	449	3	0	93	3	0	103	83	6	1.5	14.0	4.10	--	254	8
2-24-65				0.15		4.04	0.08		1.69	1.73	0.17	0.02					
				4		95	2		47	48	5	1				258	
8N/19W-34L 1 S	--	8.1	475	40	22	41	3	0	234	74	13	0.0	1.8	0.08	--	318	191
2-24-65				2.00	1.81	1.78	0.08		3.84	1.54	0.37						
				35	32	31	1		67	27	6					310	
8N/19W-35P 1 S	69	8.0	430	13	1	90	1	0	220	20	18	2	0.2	0.17	--	300	37
2-24-65				0.65	0.08	3.91	0.03		3.61	0.42	0.51	0.03					
				14	2	84	1		79	9	11	1				253	
STAUFFER HYDRO SUBAREA U03D4																	
7N/21W- 30 1 S	66	8.4	810	6	2	201	1	7	376	102	17	3.0	1.4	0.72	--	562	23
11-25-64				0.30	0.16	8.74	0.03	0.23	6.16	2.12	0.48	0.05					
				3	2	95		3	68	23	5	1				526	
8N/20W-18N 3 S	--	8.4	1020	8	1	245	2	11	478	39	78	0.0	1.0	0.47	--	700	24
2-25-65				0.40	0.08	10.65	0.05	0.37	7.83	0.81	2.20						
				4	1	95		3	70	7	20					620	
8N/20W-33K 1 S	--	8.0	805	54	41	84	3	0	419	73	42	6	0.4	0.57	--	550	303
2-25-65				2.69	3.37	3.65	0.08		6.87	1.52	1.18	0.10					
				27	34	37	1		71	16	12	1				510	
8N/21W-24J 1 S	--	8.0	990	103	44	83	4	0	303	338	12	0.0	0.4	10.70	--	830	438
2-26-65				5.14	3.62	3.61	0.10		4.97	7.04	0.34						
				41	29	29	1		40	57	3					744	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
PIRU HYDRO SUBUNIT U03D0 — SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
STAUFFER HYDRO SUBAREA U03D4																	
8N/21W-25C 1 S	--	8.2	550	34	5	98	1	0	257	79	14	0.0	0.2	0.88	--	380	106
2-26-65				1.70	0.41	4.26	0.03		4.21	1.64	0.39						
				27	6	67			67	26	6					358	
8N/21W-26R 1 S	--	8.0	340	47	13	9	1	0	217	3	6	4	0.1	0.13	--	220	171
2-26-65				2.35	1.07	0.39	0.03		3.56	0.06	0.17	0.06					
				61	28	10	1		92	2	4	2				190	
8N/21W-33R 3 S	54	7.7	685	87	23	45	1	0	233	185	11	2.0	0.8	0.64	--	494	312
11-25-64				4.34	1.89	1.96	0.03		3.82	3.85	0.31	0.03					
				53	23	24			48	48	4					470	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
UPPER SANTA CLARA R HYDRO SUBUNIT U03E0 EASTERN HYDRO SUBAREA U03E1																	
4N/15W-22E 4 S	--	7.8	934	94	26	68	3	0	329	112	59	24.5	0.5	--	--		342
5- 4-65				4.69	2.14	2.96	0.08		5.39	2.33	1.66	0.40					
				48	22	30	1		55	24	17	4				549	
	69	8.3	929	92	31	68	3	0	332	118	64	22.0	--	--	--		357
8-23-65				4.59	2.55	2.96	0.08		5.44	2.46	1.80	0.35					
				45	25	29	1		54	24	18	3				561	
4N/15W-23F 1 S	71	8.1	952	98	28	74	3	0	352	108	80	6.0	--	--	--		360
8-23-65				4.89	2.30	3.22	0.08		5.77	2.25	2.26	0.10					
				47	22	31	1		56	22	22	1				570	
4N/16W-14D 1 S	--	7.6	1440	128	61	100	2	0	359	263	104	81.0	0.6	--	--		571
5- 4-65				6.39	5.02	4.35	0.05		5.88	5.48	2.93	1.31					
				40	32	28			38	35	19	8				916	
4N/16W-16Q 3 S	--	7.5	1480	146	54	105	3	0	395	272	112	59.0	0.7	--	--		587
5- 4-65				7.29	4.44	4.57	0.08		6.47	5.66	3.16	0.95					
				45	27	28			40	35	19	6				946	
4N/16W-16D 1 S	67	8.2	998	87	37	87	2	0	314	214	48	7.0	--	--	--		369
8-23-65				4.34	3.04	3.78	0.05		5.15	4.46	1.35	0.11					
				39	27	34			47	40	12	1				636	
4N/16W-21D 1 S	64	7.8	964	105	33	58	3	0	268	256	26	5	0.6	0.24	--	697	398
6-29-65				5.24	2.71	2.52	0.08		4.39	5.33	0.73	0.08					
				50	26	24	1		42	51	7	1				619	
4N/16W-22C 3 S	--	7.6	1030	106	22	83	3	0	320	167	60	33.5	0.6	--	--		355
5- 4-65				5.29	1.81	3.61	0.08		5.24	3.48	1.69	0.54					
				49	17	33	1		48	32	15	5				632	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
UPPER SANTA CLARA R HYDRO SUBUNIT U03E0 EASTERN HYDRO SUBAREA U03E1																	
4N/16W-23G 3 S	67	8.3	1020	114	30	74	3	0	307	186	65	47.0	--	--	--		408
8-23-65				5.69	2.47	3.22	0.08		5.03	3.87	1.83	0.76					
				50	22	28	1		44	34	16	7				670	
4N/16W-27J 2 S	--	7.6	907	108	28	50	2	0	270	210	28	14.0	0.7	--	--		385
5- 4-65				5.39	2.30	2.17	0.05		4.43	4.37	0.79	0.23					
				54	23	22	1		45	45	8	2				573	
	63	8.2	856	106	27	53	2	0	278	200	30	7.0	--	--	--		376
8-23-65				5.29	2.22	2.30	0.05		4.56	4.16	0.85	0.11					
				54	23	23	1		47	43	9	1				562	
4N/17W- 1J 1 S	--	7.5	1362	134	54	99	4	0	305	404	68	13	1.3	0.52	--	1000	557
4-22-65				6.69	4.44	4.30	0.10		5.00	8.41	1.92	0.21					
				43	29	28	1		32	54	12	1				928	
4N/17W-10M 1 S	--	7.4	3205	273	91	396	3	0	322	1308	206	40	1.4	1.12	--	2600	1056
4-22-65				13.62	7.48	17.22	0.08		5.28	27.23	5.81	0.65					
				35	19	45			14	70	15	2				2478	
4N/17W-12B 4 S	--	7.6	1898	172	73	165	5	0	405	502	141	47	1.2	0.72	--	1430	730
7-20-65				8.58	6.00	7.17	0.13		6.64	10.45	3.98	0.76					
				39	27	33	1		30	48	18	3				1306	
4N/17W-12R 1 S	--	8.1	1270	125	48	100	3	0	271	437	28	10.5	0.5	--	--		510
5- 4-65				6.24	3.95	4.35	0.08		4.44	9.10	0.79	0.17					
				43	27	30	1		31	63	5	1				885	
4N/17W-14Q 1 S	--	7.1	1920	224	77	133	5	0	397	683	84	5.5	0.8	--	--		876
5- 4-65				11.18	6.33	5.78	0.13		6.51	14.22	2.37	0.09					
				48	27	25	1		28	61	10					1408	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
UPPER SANTA CLARA R HYDRO SUBUNIT U03E0 EASTERN HYDRO SUBAREA U03E1																	
4N/17W-14Q 1 S	68	8.1	1770	206	71	128	5	0	368	633	82	7.0	--	--	--		807
8-23-65				10.28	5.84	5.57	0.13		6.03	13.18	2.31	0.11					
				47	27	26	1		28	61	11	1				1313	
4N/17W-15N 1 S	72	8.6	3140	10	4	730	1	0	343	935	270	0	--	--	--		42
8-23-65				0.50	0.33	31.74	0.03		5.62	19.47	7.61						
				2	1	97			17	60	23					2119	
4N/17W-22E 2 S	67	8.2	1670	181	64	137	5	0	375	573	71	7.0	--	--	--		715
8-23-65				9.03	5.26	5.96	0.13		6.15	11.93	2.00	0.11					
				44	26	29	1		30	59	10	1				1222	
5N/16W- 7J 1 S	--	7.9	1600	167	73	152	4	0	329	554	133	3	1.2	0.75	--	1398	717
2- 4-65				8.33	6.00	6.61	0.10		5.39	11.53	3.75	0.05					
				40	29	31			26	56	18					1250	
5N/16W- 8D 1 S	--	7.7	3800	202	113	790	11	0	381	2158	66	13	0.4	0.40	--	3780	969
2- 4-65				10.08	9.29	34.35	0.28		6.24	44.93	1.86	0.21					
				19	17	64	1		12	84	3					3541	
5N/17W-12D 1 S	--	7.9	1340	162	61	96	5	0	272	498	71	16	0.8	0.58	--	1156	656
2- 4-65				8.08	5.02	4.17	0.13		4.46	10.37	2.00	0.26					
				46	29	24	1		26	61	12	2				1044	
5N/17W-12J 1 S	--	8.0	1690	129	63	213	6	0	366	461	174	15	0.8	0.73	--	1346	581
2- 4-65				6.44	5.18	9.26	0.15		6.00	9.60	4.91	0.24					
				31	25	44	1		29	46	24	1				1242	
5N/17W-12K 1 S	--	8.2	1410	113	50	180	6	0	352	411	110	0	0.8	0.90	--	1130	488
2- 4-65				5.64	4.11	7.83	0.15		5.77	8.56	3.10						
				32	23	44	1		33	49	18					1045	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT 00300																	
UPPER SANTA CLARA R HYDRO SUBUNIT U03E / EASTERN HYDRO SUBAREA U03E1																	
5N/17W-24B 1 S	--	7.8	1220	99	75	91	5	0	268	425	67	10	0.8	0.52	--	996	556
3-16-65				4.94	6.17	3.96	0.13		4.39	8.85	1.89	0.16					
				33	41	26	1		29	58	12	1				905	
5N/17W-36H 4 S	67	8.2	1270	133	50	90	4	0	287	388	64	7.0	--	--	--		538
8-23-65				6.64	4.11	3.91	0.10		4.70	8.08	1.80	0.11					
				45	28	26	1		32	55	12	1				877	
6N/17W-36B 1 S	--	8.7	2200	17	4	615	4	73	690	546	91	15	1.6	2.50	--	2158	59
2- 4-65				0.85	0.33	26.74	0.10	2.43	11.31	11.37	2.57	0.24					
				3	1	95		9	41	41	9	1				1708	
ACTON HYDRO SUBAREA U03E5																	
4N/13W-10D 1 S	--	7.9	574	57	16	36	2	0	205	68	34	6	0.5	0.16	--	390	208
4-22-65				2.84	1.32	1.57	0.05		3.36	1.42	0.96	0.10					
				49	23	27	1		58	24	16	2				320	
4N/13W-12C 4 S	--	7.7	539	55	15	31	2	0	195	61	30	9	0.5	0.18	--	360	199
4-22-65				2.74	1.23	1.35	0.05		3.20	1.27	0.85	0.15					
				51	23	25	1		59	23	16	3				299	
5N/12W-28F 1 S	--	7.8	864	87	21	60	3	0	173	58	127	44	0.5	0.06	--	610	304
4-22-65				4.34	1.73	2.61	0.08		2.84	1.21	3.58	0.71					
				50	20	30	1		34	15	43	9				486	
5N/12W-30K 1 S	--	7.8	823	77	28	33	6	0	137	45	138	44	0.4	0.04	--	590	307
4-22-65				3.84	2.30	1.43	0.15		2.25	0.94	3.89	0.71					
				50	30	19	2		29	12	50	9				439	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
UPPER SANTA CLARA R HYDRO SUBUNIT U03E0 / ACTON HYDRO SUBAREA U03E5																	
5N/13W-25C 1 S	--	7.7	861	86	24	51	2	0	156	147	94	22	0.6	0.40	--	590	313
4-22-65				4.29	1.97	2.22	0.05		2.56	3.06	2.65	0.35					
				50	23	26	1		30	35	31	4				504	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT U0300																	
CALLEGUAS–CONEJO HYDRO SUBUNIT U03F0																	
WEST LAS POSAS HYDRO SUBAREA U03F1																	
2N/21W- 8G 1 S	--	7.9	820	59	34	99	3	0	316	140	70	13.0	0.4	0.36	--	602	287
10-21-64				2.94	2.80	4.30	0.08		5.18	2.91	1.97	0.21					
				29	28	42	1		50	28	19	2				574	
EAST LAS POSAS HYDRO SUBAREA U03F2																	
3N/19W-19P 2 S	70	7.6	439	48	17	21	2	0	161	90	10	1	0.4	0.04	--	290	190
8-26-65				2.40	1.40	0.91	0.05		2.64	1.87	0.28	0.02					
				50	29	19	1		55	39	6					269	
3N/19W-29F 2 S	--	7.2	308	24	7	25	1	0	104	7	23	23.0	0.4	0.05	--	223	89
12-10-64				1.20	0.58	1.09	0.03		1.70	0.15	0.65	0.37					
				41	20	38	1		59	5	23	13				162	
3N/20W-24R 1 S	--	7.5	390	34	15	23	4	0	159	54	12	2	0.4	0.06	--	290	147
8-26-65				1.70	1.23	1.00	0.10		2.61	1.12	0.34	0.03					
				42	31	25	2		64	27	8	1				223	
ARROYO SANTA ROSA HYDRO SUBAREA U03F3																	
2N/20W-23K 1 S	--	7.6	850	45	49	64	1	0	336	71	72	5.0	0.4	0.14	67	540	314
10-28-64				2.25	4.03	2.78	0.03		5.51	1.48	2.03	0.08					
				25	44	31			61	16	22	1				540	
2N/20W-24E 1 S	71	8.0	959	52	59	68	2	0	326	92	95	18.0	0.6	0.14	72	630	372
10-28-64				2.59	4.85	2.96	0.05		5.34	1.92	2.68	0.29					
				25	46	28			52	19	26	3				619	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA CLARA–CALLEGUAS HYDRO UNIT 00300																	
CALLEGUAS–CONEJO HYDRO SUBUNIT 003F0																	
ARROYO SANTA ROSA HYDRO SUBAREA 003F3																	
2N/20W-25D 5 S	--	7.6	1175	76	68	71	1	0	373	115	99	75	0.3	0.19	--	846	469
8-18-65				3.79	5.59	3.09	0.03		6.11	2.39	2.79	1.21					
				30	45	25			49	19	22	10				689	
CONEJO VALLEY HYDRO SUBAREA 003F4																	
1N/20W- 3J 1 S	--	8.1	711	51	38	47	0	0	284	98	37	1.0	0.4	0.07	--	454	284
11-13-64				2.54	3.13	2.04			4.65	2.04	1.04	0.02					
				33	41	26			60	26	13					412	
1N/20W-15R 3 S	--	7.7	778	66	34	49	0	0	295	73	55	16.0	0.3	0.05	--	472	305
11-13-64				3.29	2.80	2.13			4.84	1.52	1.55	0.26					
				40	34	26			59	19	19	3				438	
	--	7.3	816	70	34	52	0	0	305	77	59	17	0.3	0.04	--	470	315
9-23-65				3.49	2.80	2.26			5.00	1.60	1.66	0.27					
				41	33	26			59	19	19	3				459	
SIMI VALLEY HYDRO SUBAREA 003F7																	
2N/17W- 9D 3 S	--	7.4	1431	135	54	120	5	0	388	370	89	2.0	1.0	0.70	17	1045	559
10-22-64				6.74	4.44	5.22	0.13		6.36	7.70	2.51	0.03					
				41	27	32	1		38	46	15					984	
2N/17W-15D 2 S	--	7.2	1477	137	78	105	3	0	536	337	66	1.0	1.1	0.26	25	1050	663
10-20-64				6.84	6.41	4.57	0.08		8.79	7.02	1.86	0.02					
				38	36	26			50	40	11					1017	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
CALLEGUAS-CONEJO HYDRO SUBUNIT U03F0 — SANTA CLARA-CALLEGUAS HYDRO UNIT U0300																	
SIMI VALLEY HYDRO SUBAREA U03F7																	
2N/18W- 1M 3 S	--	7.4	2833	284	119	252	7	0	420	1046	212	8.0	1.2	1.80	--	2367	1199
12-17-64				14.17	9.79	10.96	0.18		6.88	21.78	5.98	0.13					
				40	28	31	1		20	63	17					2138	
2N/18W-11B 2 S	--	7.4	2179	221	96	195	6	0	359	831	137	6.0	1.2	1.25	48	1810	947
10-23-64				11.03	7.90	8.48	0.15		5.88	17.30	3.86	0.10					
				40	29	31	1		22	64	14					1719	
2N/18W-15G 2 S	--	7.5	1536	156	62	144	3	0	390	465	94	13.0	1.4	0.42	35	1225	645
10-16-64				7.78	5.10	6.26	0.08		6.39	9.68	2.65	0.21					
				40	27	33			34	51	14	1				1166	
2N/18W-18G 2 S	--	7.6	496	42	20	29	1	0	207	24	36	6.0	0.7	0.05	--	299	187
12-11-64				2.10	1.64	1.26	0.03		3.39	0.50	1.02	0.10					
				42	33	25	1		68	10	20	2				260	
THOUSAND OAKS HYDRO SUBAREA U03F8																	
1N/19W- 2L 1 S	--	7.4	864	105	31	37	1	0	357	116	43	1.0	1.1	0.09	--	574	390
11-30-64				5.24	2.55	1.61	0.03		5.85	2.42	1.21	0.02					
				56	27	17			62	25	13					511	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MALIBU CREEK HYDRO SUBUNIT U04B0 — MALIBU HYDRO UNIT U0400																	
MALIBU CREEK HYDRO SUBAREA U04B1																	
1S/17W-29P 1 S	64	7.2	1600	141	83	126	2	0	378	527	79	1	0.8	0.65	--	1200	694
6-15-65				7.04	6.83	5.48	0.05		6.20	10.97	2.23	0.02					
				36	35	28			32	56	11					1146	
1S/17W-32F 4 S	65	7.6	5051	426	249	323	4	0	361	619	1290	10	0.7	0.62	--	3340	2089
6-15-65				21.26	20.48	14.04	0.10		5.92	12.89	36.38	0.16					
				38	37	25			11	23	66					3100	
LAS VIRGENES CYN HYDRO SUBAREA U04B2																	
1N/17W-19J 1 S	64	7.5	3400	313	148	420	15	0	643	1436	202	0.0	0.6	0.53	--	3216	1391
3-23-65				15.62	12.17	18.26	0.38		10.54	29.90	5.70						
				34	26	39	1		23	65	12					2851	
1N/17W-30G 2 S	--	7.6	3250	361	146	345	12	0	504	1489	216	5	0.6	0.79	--	3096	1502
3-23-65				18.01	12.01	15.00	0.31		8.26	31.00	6.09	0.08					
				40	26	33	1		18	68	13					2823	
1N/18W-24J 2 S	--	7.5	940	105	59	50	3	0	311	294	31	0.0	0.6	0.03	--	812	505
3-23-65				5.24	4.85	2.17	0.08		5.10	6.12	0.87						
				42	39	18	1		42	51	7					696	
RUSSELL VALLEY HYDRO SUBAREA U04B5																	
1N/19W-24M 2 S	--	8.0	1817	27	22	360	5	0	520	407	72	8.0	0.9	0.14	--	1213	158
11-19-64				1.35	1.81	15.65	0.13		8.52	8.47	2.03	0.13					
				7	10	83	1		44	44	11	1				1158	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C	TDS Evap 105°C Computed	Total hardness as $CaCO_3$
MALIBU CREEK HYDRO SUBUNIT U04B0 / MALIBU HYDRO UNIT U0400																		
SHERWOOD HYDRO SUBAREA U04B6																		
1N/19W-29D 5 S	--	8.0	732	80	29	37	1	0	357	48	33	13.0	0.3	0.02	--	460		319
11-19-64				3.99	2.38	1.61	0.03		5.85	1.00	0.93	0.21						
				50	30	20			73	13	12	3					417	
1N/20W-24P 1 S	83	7.5	875	75	34	71	2	0	378	112	33	0	0.1	0.10	29	556		327
7- 9-62				3.74	2.80	3.09	0.05		6.20	2.33	0.93							
				39	29	32	1		66	25	10						542	
	70	7.4	949	80	36	76	2	0	428	96	45	0	0.3	0.10	--	550		348
9-23-65				3.99	2.96	3.30	0.05		7.01	2.00	1.27							
				39	29	32			68	19	12						546	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
POINT DUME HYDRO SUBUNIT U04C0 — MALIBU HYDRO UNIT U0400																	
ZUMA CANYON HYDRO SUBAREA U04C6																	
2S/18W- 6M 2 S 6-15-65	63	7.3	1267	134 6.69 46	68 5.59 38	53 2.30 16	1 0.03	0	373 6.11 42	309 6.43 44	70 1.97 13	12 0.19 1	0.4	0.05	--	1000 831	614
TRANCAS CANYON HYDRO SUBAREA U04C7																	
1S/19W-35Q 2 S 6-14-65	--	7.6	1072	67 3.34 29	61 5.02 43	74 3.22 28	1 0.03	0	244 4.00 34	214 4.46 38	111 3.13 27	3 0.05	0.5	0.20	--	710 652	418

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
CAMARILLO HYDRO SUBUNIT U04D0 — MALIBU HYDRO UNIT U0400																	
LITTLE SYCAMORE CYN HYDR SUBAREA U04D5																	
1S/20W-22P 1 S	71	7.9	1274	79	74	103	1	0	390	283	77	2	0.7	0.22	--	830	502
6-15-65				3.94	6.09	4.48	0.03		6.39	5.89	2.17	0.03					
				27	42	31			44	41	15					812	
1S/20W-22P 2 S	71	7.6	1312	73	89	90	2	0	398	281	88	5	0.6	0.13	--	860	548
6-15-65				3.64	7.32	3.91	0.05		6.52	5.85	2.48	0.08					
				24	49	26			44	39	17	1				824	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / WEST COAST HYDRO SUBAREA U05A2				L A SAN GABRIEL RIVER HYDRO UNIT U0500													
2S/14W-18Q 1 S	--	8.0	1150	84	35	116	9	0	410	111	115	0	--	--	--	881	354
5- 3-65				4.19	2.88	5.04	0.23		6.72	2.31	3.24						
				34	23	41	2		55	19	26					672	
2S/14W-19K 2 S	70	7.8	1866	140	58	186	6	0	480	202	274	1	--	--	--		588
11- 4-64				6.99	4.77	8.09	0.15		7.87	4.21	7.73	0.02					
				35	24	40	1		40	21	39					1103	
	70	7.9	1890	147	62	180	6	0	500	203	278	1.0	0.5	--	--		622
5- 3-65				7.34	5.10	7.83	0.15		8.20	4.23	7.84	0.02					
				36	25	38	1		40	21	39					1123	
	70	7.7	1920	149	63	186	7	0	517	212	280	0	--	--	--		632
8- 2-65				7.44	5.18	8.09	0.18		8.47	4.41	7.90						
				36	25	39	1		41	21	38					1151	
2S/14W-19K 3 S	73	8.2	1152	81	34	120	10	0	403	111	115	5	--	--	--		342
11- 4-64				4.04	2.80	5.22	0.26		6.61	2.31	3.24	0.08					
				33	23	42	2		54	19	26	1				674	
	72	7.9	1200	83	39	124	8	0	417	122	122	6.6	--	--	--		368
2- 1-65				4.14	3.21	5.39	0.20		6.83	2.54	3.44	0.11					
				32	25	42	2		53	20	27	1				710	
	79	8.2	1090	79	34	110	10	0	408	108	104	0	--	--	--		337
8- 2-65				3.94	2.80	4.78	0.26		6.69	2.25	2.93						
				33	24	41	2		56	19	25					646	
2S/15W-34K 1 S	--	8.0	929	57	28	97	3	0	131	154	112	57.0	--	--	--		257
1-18-65				2.84	2.30	4.22	0.08		2.15	3.21	3.16	0.92					
				30	24	45	1		23	34	33	10				572	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
3S/13W-19K 2 S	--	8.8	405	12	2	55	10	0	78	11	75	0	--	--	--		38
7-20-65				0.60	0.16	2.39	0.26		1.28	0.23	2.12						
				18	5	70	8		35	6	58					203	
3S/13W-29G 3 S	--	7.9	1270	93	61	101	5	--	315	121	235	0.0	0.1	0.20	--	920	483
10-23-64				4.64	5.02	4.39	0.13		5.16	2.52	6.63						
				33	35	31	1		36	18	46					771	
	--	7.8	1337	133	32	91	5	0	305	99	211	0	0.3	0.13	--	844	464
3-26-65				6.64	2.63	3.96	0.13		5.00	2.06	5.95						
				50	20	30	1		38	16	46					721	
3S/13W-31E 2 S	--	8.2	491	41	10	47	3	0	207	47	30	0	--	--	--		144
7-20-65				2.05	0.82	2.04	0.08		3.39	0.98	0.85						
				41	16	41	2		65	19	16					280	
3S/13W-31L 7 S	--	7.4	1680	170	76	115	2	0	481	456	94	10	--	--	--	1410	737
7-20-65				8.48	6.25	5.00	0.05		7.88	9.49	2.65	0.16					
				43	32	25			39	47	13	1				1160	
3S/13W-31M 1 S	--	7.6	530	51	13	43	3	0	223	62	24	1.0	0.5	0.11	29	275	181
11- 2-64				2.54	1.07	1.87	0.08		3.65	1.29	0.68	0.02					
				46	19	34	1		65	23	12					336	
	--	7.7	549	50	12	48	3	0	224	59	26	0	0.4	0.09	--	332	175
3-25-65				2.50	0.99	2.09	0.08		3.67	1.23	0.73						
				44	17	37	1		65	22	13					309	
3S/13W-32E 2 S	--	7.9	590	46	23	49	3	--	233	84	32	0.0	0.2	0.17	--	394	210
10-23-64				2.30	1.89	2.13	0.08		3.82	1.75	0.90						
				36	30	33	1		59	27	14					352	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
3S/13W-32E 2 S	72	8.1	502	47	10	45	3	0	230	36	25	0	0.4	0.11	--	290	159
3-25-65				2.35	0.82	1.96	0.08		3.77	0.75	0.71						
				45	16	38	2		72	14	14					280	
3S/13W-34H 2 S	--	7.4	678	69	9	53	2	0	209	62	69	0	0.2	0.06	--	390	209
3-25-65				3.44	0.74	2.30	0.05		3.43	1.29	1.95						
				53	11	35	1		51	19	29					367	
3S/14W- 3K 1 S	74	7.2	510	40	19	50	4	0	265	7	42	2.0	0.3	0.14	--	358	178
11- 4-64				2.00	1.56	2.17	0.10		4.34	0.15	1.18	0.03					
				34	27	37	2		76	3	21	1				295	
	--	8.0	520	47	11	47	4	0	256	2	38	0.0	0.2	0.15	--	290	163
4- 5-65				2.35	0.90	2.04	0.10		4.20	0.04	1.07						
				44	17	38	2		79	1	20					275	
3S/14W- 7K 4 S	--	8.2	1044	49	25	150	3	0	496	9	92	4	--	--	--		226
10-29-64				2.45	2.06	6.52	0.08		8.13	0.19	2.59	0.06					
				22	19	59	1		74	2	24	1				576	
3S/14W- 7Q 4 S	--	8.4	1059	57	26	140	3	0	429	7	129	6	--	--	--		249
10-29-64				2.84	2.14	6.09	0.08		7.03	0.15	3.64	0.10					
				25	19	55	1		'64	1	33	1				579	
3S/14W- 7Q 6 S	--	8.6	808	38	21	110	3	0	401	3	66	6	--	--	--		182
10-29-64				1.90	1.73	4.78	0.08		6.57	0.06	1.86	0.10					
				22	20	56	1		76	1	22	1				444	
3S/14W-13Q 5 S	--	7.9	2050	168	56	190	3	0	403	143	335	129.0	0.1	0.19	--	1520	650
10-26-64				8.38	4.61	8.26	0.08		6.61	2.98	9.45	2.08					
				39	22	39			31	14	45	10				1222	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / WEST COAST HYDRO SUBAREA U05A2 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
3S/14W-13Q 5 S	--	8.0	2110	151	76	175	3	0	429	140	325	141	0.3	0.14	--	1234	690
4- 5-65				7.53	6.25	7.61	0.08		7.03	2.91	9.17	2.27					
				35	29	35			33	14	43	11				1222	
3S/14W-17G 2 S	--	7.7	590	36	18	74	8	0	346	0	39	0.0	0.2	0.22	--	374	164
10-26-64				1.80	1.48	3.22	0.20		5.67		1.10						
				27	22	48	3		84		16					346	
3S/14W-18N 4 S	--	8.1	1389	109	36	107	8	0	283	44	273	2	--	--	--		420
10-26-64				5.44	2.96	4.65	0.20		4.64	0.92	7.70	0.03					
				41	22	35	2		35	7	58					718	
	--	8.0	1430	114	39	107	8	0	282	56	291	0	--	--	--		445
3-12-65				5.69	3.21	4.65	0.20		4.62	1.17	8.21						
				41	23	34	1		33	8	59					754	
3S/14W-18N 5 S	--	8.0	1689	134	47	138	9	0	292	87	355	0	--	--	--		528
10-26-64				6.69	3.87	6.00	0.23		4.79	1.81	10.01						
				40	23	36	1		29	11	60					914	
3S/14W-21R 2 S	--	7.8	378	28	7	42	5	0	181	26	15	1	0.6	0.16	--	210	99
7-15-65				1.40	0.58	1.83	0.13		2.97	0.54	0.42	0.02					
				36	15	46	3		75	14	11	1				214	
3S/14W-22K 1 S	--	7.8	540	35	18	51	4	--	227	53	32	0.0	0.2	0.17	--	324	162
10-27-64				1.75	1.48	2.22	0.10		3.72	1.10	0.90						
				32	27	40	2		65	19	16					305	
	--	8.3	550	47	17	47	4	3	240	42	38	0.0	0.2	0.13	--	330	188
4- 6-65				2.35	1.40	2.04	0.10	0.10	3.93	0.87	1.07						
				40	24	35	2	2	66	15	18					316	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 WEST COAST HYDRO SUBAREA U05A2																	
3S/14W-22L 1 S	73	7.6	580	52	15	48	4	0	249	40	34	2.0	0.4	0.12	--	354	191
11- 4-64				2.59	1.23	2.09	0.10		4.08	0.83	0.96	0.03					
				43	20	35	2		69	14	16	1				318	
	74	7.9	566	44	16	48	4	0	253	36	34	1.0	0.5	0.08	--	353	176
4- 1-65				2.20	1.32	2.09	0.10		4.15	0.75	0.96	0.02					
				39	23	37	2		71	13	16					308	
3S/14W-22R 2 S	--	7.6	1180	109	33	105	5	0	160	45	323	0.0	0.2	0.33	--	1102	408
10-27-64				5.44	2.71	4.57	0.13		2.62	0.94	9.11						
				42	21	36	1		21	7	72					699	
	--	8.1	1510	124	53	115	6	0	217	31	420	0.0	0.2	0.28	--	1180	528
4- 6-65				6.19	4.36	5.00	0.15		3.56	0.65	11.84						
				39	28	32	1		22	4	74					856	
3S/14W-25K 4 S	--	7.5	650	76	16	50	3	0	222	49	90	0.0	0.2	0.07	--	446	256
10-26-64				3.79	1.32	2.17	0.08		3.64	1.02	2.54						
				51	18	29	1		51	14	35					393	
	67	8.0	740	71	19	51	4	0	230	55	87	2.5	0.5	0.11	--	415	255
4- 5-65				3.54	1.56	2.22	0.10		3.77	1.15	2.45	0.04					
				48	21	30	1		51	16	33	1				403	
3S/14W-27C 1 S	--	7.5	960	90	32	88	5	0	225	53	216	2.0	0.1	0.12	--	654	356
10-26-64				4.49	2.63	3.83	0.13		3.69	1.10	6.09	0.03					
				41	24	35	1		34	10	56					597	
	66	7.9	924	76	20	67	4	0	235	57	124	2	0.4	0.05	--	515	272
4- 6-65				3.79	1.64	2.91	0.10		3.85	1.19	3.50	0.03					
				45	19	34	1		45	14	41					466	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
WEST COAST HYDRO SUBAREA U05A2																	
3S/14W-29D 3 S	--	8.0	700	51	15	83	7	0	320	4	70	1.0	0.2	0.16	--	396	189
11- 2-64				2.54	1.23	3.61	0.18		5.24	0.08	1.97	0.02					
				34	16	48	2		72	1	27					389	
	--	8.1	1180	56	17	192	6	0	171	314	110	2	0.2	0.18	--	794	210
4- 7-65				2.79	1.40	8.35	0.15		2.80	6.54	3.10	0.03					
				22	11	66	1		22	52	25					781	
3S/14W-29G 3 S	--	8.1	710	47	17	85	3	0	313	3	70	3	--	--	--		188
10-28-64				2.35	1.40	3.70	0.08		5.13	0.06	1.97	0.05					
				31	19	49	1		71	1	27	1				382	
3S/14W-30D 2 S	--	8.5	2100	98	37	293	9	0	168	324	408	0	--	--	--		397
12- 7-64				4.89	3.04	12.74	0.23		2.75	6.75	11.51						
				23	15	61	1		13	32	55					1252	
	--	8.2	2080	92	34	304	4	0	167	331	395	0	--	--	--		370
5-20-65				4.59	2.80	13.22	0.10		2.74	6.89	11.14						
				22	14	64			13	33	54					1242	
3S/14W-30E 1 S	--	8.2	906	61	15	100	4	0	126	85	134	70.0	--	--	--		214
1-14-65				3.04	1.23	4.35	0.10		2.07	1.77	3.78	1.13					
				35	14	50	1		24	20	43	13				531	
3S/14W-30F 2 S	--	8.5	1040	53	17	142	0	0	167	160	146	0	--	--	--		202
1-13-65				2.64	1.40	6.17			2.74	3.33	4.12						
				26	14	60			27	33	40					600	
3S/14W-30G 1 S	--	7.6	2000	192	77	183	14	0	221	99	644	0.0	0.2	0.16	--	1500	796
10-28-64				9.58	6.33	7.96	0.36		3.62	2.06	18.16						
				40	26	33	1		15	9	76					1318	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 WEST COAST HYDRO SUBAREA U05A2																	
3S/14W-30G 1 S	--	7.8	2200	264	35	160	12	0	224	90	617	0	0.1	0.17	--	1654	803
4- 7-65				13.17	2.88	6.96	0.31		3.67	1.87	17.40						
				56	12	30	1		16	8	76					1288	
3S/14W-30H 2 S	--	8.3	1259	103	31	100	8	0	224	52	261	1	--	--	--		385
10-27-64				5.14	2.55	4.35	0.20		3.67	1.08	7.36	0.02					
				42	21	36	2		30	9	61					666	
	--	7.8	1020	57	62	93	7	0	227	56	264	0.0	0.2	0.16	--	784	397
11- 2-64				2.84	5.10	4.04	0.18		3.72	1.17	7.44						
				23	42	33	1		30	9	60					651	
	--	8.1	1120	109	30	93	7	0	237	37	262	0	0.2	0.15	--	774	396
4- 7-65				5.44	2.47	4.04	0.18		3.88	0.77	7.39						
				45	20	33	1		32	6	61					655	
3S/14W-30N 1 S	--	8.7	1210	6	3	255	2	0	152	307	100	0	--	--	--		28
1-13-65				0.30	0.25	11.09	0.05		2.49	6.39	2.82						
				3	2	95			21	55	24					748	
3S/14W-31A 4 S	--	7.9	2350	195	51	196	10	0	226	138	578	0.0	--	--	--		697
10- 8-64				9.73	4.19	8.52	0.26		3.70	2.87	16.30						
				43	18	38	1		16	13	71					1279	
	--	8.2	2020	169	47	172	9	0	237	117	484	0	--	--	--		615
1-15-65				8.43	3.87	7.48	0.23		3.88	2.44	13.65						
				42	19	37	1		19	12	68					1115	
	--	8.1	2140	181	48	190	10	0	215	195	488	0	--	--	--		650
6-16-65				9.03	3.95	8.26	0.26		3.52	4.06	13.76						
				42	18	38	1		16	19	64					1218	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
3S/14W-31D 1 S	--	8.6	1760	15	9	354	3	0	167	324	266	0	--	--	--		75
12- 9-64				0.75	0.74	15.39	0.08		2.74	6.75	7.50						
				4	4	91			16	40	44					1053	
	68	7.9	1680	13	8	332	4	0	168	322	235	0	--	--	--		66
3- 4-65				0.65	0.66	14.44	0.10		2.75	6.70	6.63						
				4	4	91	1		17	42	41					997	
	--	8.7	1630	13	7	342	4	16	144	324	228	0	--	--	--		62
7-14-65				0.65	0.58	14.87	0.10	0.53	2.36	6.75	6.43						
				4	4	92	1	3	15	42	40					1005	
3S/14W-31L 2 S	--	8.3	12376	526	299	1860	34	0	247	482	4188	0	--	--	--		2544
11-13-64				26.25	24.59	80.87	0.87		4.05	10.04	118.10						
				20	19	61	1		3	8	89					7510	
	--	8.1	12600	594	311	1840	34	0	246	498	4330	0	--	--	--		2763
5- 4-65				29.64	25.58	80.00	0.87		4.03	10.37	122.11						
				22	19	59	1		3	8	89					7728	
3S/14W-31L 4 S	--	8.0	4420	332	133	360	18	0	224	127	1330	0	--	--	--		1377
6- 2-65				16.57	10.94	15.65	0.46		3.67	2.64	37.51						
				38	25	36	1		8	6	86					2410	
	--	8.3	4540	340	138	412	19	0	220	142	1370	20	--	--	--		1417
7-19-65				16.97	11.35	17.91	0.49		3.61	2.96	38.63	0.32					
				36	24	38	1		8	7	85	1				2549	
3S/14W-35M 6 S	70	7.4	434	28	13	47	4	0	237	0	24	0	0.7	0.12	--	280	124
7-14-65				1.40	1.07	2.04	0.10		3.88		0.68						
				30	23	44	2		85		15					233	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 80°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / WEST COAST HYDRO SUBAREA U05A2																	
3S/15W- 3H 2 S	--	9.0	1170	35	18	230	15	0	738	0	55	6.5	--	--	--		162
12- 9-64				1.75	1.48	10.00	0.38		12.10		1.55	0.10					
				13	11	73	3		88		11	1				722	
3S/15W-13A 4 S	--	8.6	844	65	22	83	6	0	358	5	102	0	--	--	--		253
2-24-65				3.24	1.81	3.61	0.15		5.87	0.10	2.88						
				37	21	41	2		66	1	33					459	
	--	7.8	2380	195	72	180	7	0	292	171	536	0	--	--	--		783
3- 1-65				9.73	5.92	7.83	0.18		4.79	3.56	15.12						
				41	25	33	1		20	15	64					1305	
	--	7.6	3140	203	91	294	7	0	354	96	812	0	--	--	--		881
3- 4-65				10.13	7.48	12.78	0.18		5.80	2.00	22.90						
				33	24	42	1		19	7	75					1677	
	--	7.3	2960	218	69	296	5	0	435	103	738	0	--	--	--		828
6-18-65				10.88	5.67	12.87	0.13		7.13	2.14	20.81						
				37	19	44			24	7	69					1643	
3S/15W-13H 2 S	--	8.7	1140	81	34	107	10	0	379	6	190	6.0	--	--	--		342
2- 9-65				4.04	2.80	4.65	0.26		6.21	0.12	5.36	0.10					
				34	24	40	2		53	1	45	1				620	
	--	8.5	1650	135	47	138	10	0	359	60	343	0	--	--	--		531
2-16-65				6.74	3.87	6.00	0.26		5.88	1.25	9.67						
				40	23	36	2		35	7	58					910	
	--	8.2	3070	282	87	230	11	0	344	195	764	0	--	--	--		1062
2-18-65				14.07	7.15	10.00	0.28		5.64	4.06	21.54						
				45	23	32	1		18	13	69					1738	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
WEST COAST HYDRO SUBAREA U05A2																	
3S/15W-13H 2 S	--	7.5	2580	235	71	200	11	0	350	143	616	0	--	--	--		879
5-20-65				11.73	5.84	8.70	0.28		5.74	2.98	17.37						
				44	22	33	1		22	11	67					1448	
3S/15W-13H 3 S	--	8.1	1790	170	51	126	7	0	330	93	388	0	--	--	--		634
2-16-65				8.48	4.19	5.48	0.18		5.41	1.94	10.94						
				46	23	30	1		30	11	60					997	
3S/15W-13H 4 S	--	8.3	1894	59	36	286	15	0	448	50	366	0	--	--	--	1260	295
11- 6-64				2.94	2.96	12.44	0.38		7.34	1.04	10.32						
				16	16	66	2		39	6	55					1032	
	--	8.7	1170	24	20	205	13	0	472	19	136	0	--	--	--	889	142
12- 3-64				1.20	1.64	8.91	0.33		7.74	0.40	3.84						
				10	14	74	3		65	3	32					649	
	--	8.5	976	28	12	170	11	0	478	10	74	0	--	--	--	785	120
1-21-65				1.40	0.99	7.39	0.28		7.83	0.21	2.09						
				14	10	73	3		77	2	21					540	
	--	7.8	865	24	14	157	8	0	462	7	58	0	--	--	--	732	118
3- 3-65				1.20	1.15	6.83	0.20		7.57	0.15	1.64						
				13	12	73	2		81	2	18					495	
3S/15W-13H 5 S	--	8.5	1176	102	31	96	6	0	367	46	178	0	--	--	--	827	382
11- 9-64				5.09	2.55	4.17	0.15		6.02	0.96	5.02						
				43	21	35	1		50	8	42					639	
	--	8.4	1310	100	29	128	9	0	348	62	215	0	--	--	--	890	369
12- 4-64				4.99	2.38	5.57	0.23		5.70	1.29	6.06						
				38	18	42	2		44	10	46					714	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
3S/15W-13H 5 S	72	8.5	1240	97	28	116	8	0	349	55	196	0	--	--	--	849	357
1-22-65				4.84	2.30	5.04	0.20		5.72	1.15	5.53						
				39	19	41	2		46	9	45					672	
	--	8.1	1210	94	33	115	3	0	324	63	200	0	--	--	--	831	370
3- 3-65				4.69	2.71	5.00	0.08		5.31	1.31	5.64						
				38	22	40	1		43	11	46					667	
3S/15W-13H 6 S	--	8.4	1577	146	41	120	6	0	317	152	274	0	--	--	--	1060	533
11- 9-64				7.29	3.37	5.22	0.15		5.20	3.16	7.73						
				45	21	33	1		32	20	48					895	
	--	7.8	1710	162	45	128	7	0	314	176	306	0	--	--	--	1140	589
12- 4-64				8.08	3.70	5.57	0.18		5.15	3.66	8.63						
				46	21	32	1		30	21	49					978	
	--	8.3	1740	164	46	124	7	0	316	176	307	0	--	--	--	1140	598
1-25-65				8.18	3.78	5.39	0.18		5.18	3.66	8.66						
				47	22	31	1		30	21	49					979	
	--	7.6	1790	177	49	120	8	0	294	198	326	0	--	--	--	1170	644
3- 4-65				8.83	4.03	5.22	0.20		4.82	4.12	9.19						
				48	22	29	1		27	23	51					1023	
3S/15W-13H 7 S	--	8.1	4902	347	108	540	12	0	345	374	1310	0	--	--	--	3040	1311
11- 5-64				17.32	8.88	23.48	0.31		5.65	7.79	36.94						
				35	18	47	1		11	15	73					2861	
	--	8.0	4630	394	112	432	12	0	379	342	1230	0	--	--	--	2900	1445
12- 3-64				19.66	9.21	18.78	0.31		6.21	7.12	34.69						
				41	19	39	1		13	15	72					2708	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0									L A SAN GABRIEL RIVER HYDRO UNIT U0500								
WEST COAST HYDRO SUBAREA U05A2																	
3S/15W-13H 7 S	70	7.8	5100	441	129	440	11	0	412	370	1330	0	--	--	--	3130	1632
1-21-65				22.01	10.61	19.13	0.28		6.75	7.70	37.51						
				42	20	37	1		13	15	72					2924	
	--	8.5	5490	480	144	480	13	0	425	403	1480	0	--	--	--	3420	1791
2- 1-65				23.95	11.84	20.87	0.33		6.97	8.39	41.74						
				42	21	37	1		12	15	73					3209	
	--	7.3	4900	432	133	430	11	0	406	349	1340	0	--	--	--	3100	1626
3- 3-65				21.56	10.94	18.70	0.28		6.65	7.27	37.79						
				42	21	36	1		13	14	73					2895	
3S/15W-13P 1 S	--	8.2	2280	190	56	172	7	0	252	44	588	0	--	--	--		705
12- 1-64				9.48	4.61	7.48	0.18		4.13	0.92	16.58						
				44	21	34	1		19	4	77					1181	
3S/15W-13R 3 S	--	7.7	2101	165	62	166	7	0	306	114	476	0	--	--	--		667
11-18-64				8.23	5.10	7.22	0.18		5.02	2.37	13.42						
				40	25	35	1		24	11	64					1140	
	--	8.6	2040	166	52	190	6	0	335	118	454	0	--	--	--		629
2- 2-65				8.28	4.28	8.26	0.15		5.49	2.46	12.80						
				39	20	39	1		26	12	62					1151	
	--	8.1	2330	171	62	214	8	0	322	129	540	0	--	--	--	1450	682
3-12-65				8.53	5.10	9.30	0.20		5.28	2.69	15.23						
				37	22	40	1		23	12	66					1282	
	--	8.1	2070	161	54	180	7	0	329	105	453	0	--	--	--	1290	624
3-15-65				8.03	4.44	7.83	0.18		5.39	2.19	12.77						
				39	22	38	1		26	11	63					1122	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total Hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
WEST COAST HYDRO SUBAREA U05A2																	
3S/15W-13R 6 S	--	8.2	1670	130	45	139	7	0	335	47	349	0	--	--	--		510
10- 1-64				6.49	3.70	6.04	0.18		5.49	0.98	9.84						
				40	23	37	1		34	6	60					882	
	--	8.2	1130	82	30	102	7	0	335	15	203	0	--	--	--		328
10- 2-64				4.09	2.47	4.43	0.18		5.49	0.31	5.72						
				37	22	40	2		48	3	50					604	
	--	8.6	1120	91	29	124	7	0	346	7	213	0	--	--	--		346
10-21-64				4.54	2.38	5.39	0.18		5.67	0.15	6.01						
				36	19	43	1		48	1	51					641	
3S/15W-13R 7 S	--	8.5	973	73	25	100	7	0	346	15	142	0	--	--	--		285
10-26-64				3.64	2.06	4.35	0.18		5.67	0.31	4.00						
				36	20	43	2		57	3	40					532	
	--	7.9	3250	338	114	200	17	0	339	567	645	0	--	--	--		1314
10-27-64				16.87	9.38	8.70	0.43		5.56	11.80	18.19						
				48	27	25	1		16	33	51					2048	
	--	8.3	3400	186	75	416	11	0	292	140	924	0	--	--	--		773
10-27-64				9.28	6.17	18.09	0.28		4.79	2.91	26.06						
				27	18	53	1		14	9	77					1896	
	--	8.1	3200	333	116	200	12	0	334	568	632	0	--	--	--		1309
12- 1-64				16.62	9.54	8.70	0.31		5.47	11.83	17.82						
				47	27	25	1		16	34	51					2025	
	--	7.6	3310	338	117	220	18	0	346	586	660	0	--	--	--		1326
1-26-65				16.87	9.62	9.57	0.46		5.67	12.20	18.61						
				46	26	26	1		16	33	51					2109	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
3S/15W-13R 7 S	--	7.3	3250	320	128	214	2	0	328	599	645	0	--	--	--		1326
3- 4-65				15.97	10.53	9.30	0.05		5.38	12.47	18.19						
				45	29	26			15	35	50					2069	
3S/15W-13R 8 S	--	8.5	988	62	23	104	8	0	360	10	130	0	--	--	--		249
12- 2-64				3.09	1.89	4.52	0.20		5.90	0.21	3.67						
				32	19	47	2		60	2	38					514	
	--	8.3	931	68	23	95	7	0	362	8	124	0	--	--	--		264
1-26-65				3.39	1.89	4.13	0.18		5.93	0.17	3.50						
				35	20	43	2		62	2	36					503	
	--	7.7	893	69	23	77	7	0	342	2	115	0	--	--	--		267
3- 4-65				3.44	1.89	3.35	0.18		5.61	0.04	3.24						
				39	21	38	2		63		36					461	
3S/15W-13R 9 S	--	7.9	11400	754	275	1560	20	0	521	1012	3500	0	--	--	--		3014
12- 2-64				37.62	22.62	67.83	0.51		8.54	21.07	98.70						
				29	18	53			7	16	77					7377	
	--	7.3	12200	800	312	1570	13	0	520	1070	3640	0	--	--	--		3282
1-25-65				39.92	25.66	68.26	0.33		8.52	22.28	102.65						
				30	19	51			6	17	77					7661	
	--	7.1	11700	800	318	1520	28	0	514	1040	3630	0	--	--	--		3306
3- 4-65				39.92	26.15	66.09	0.72		8.42	21.65	102.37						
				30	20	50	1		6	16	77					7589	
3S/15W-24K 1 S	--	8.2	1618	93	29	196	2	0	173	136	316	59	--	--	--		351
11-24-64				4.64	2.38	8.52	0.05		2.84	2.83	8.91	0.95					
				30	15	55			18	18	57	6				916	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / WEST COAST HYDRO SUBAREA U05A2 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
3S/15W-24K 1 S 7-13-65	--	8.1	1710	93 4.64 27	28 2.30 13	230 10.00 59	6 0.15 1	0	173 2.84 17	179 3.73 22	342 9.64 58	30 0.48 3	--	--	--	 993	347
3S/15W-24M 1 S 6-10-65	--	8.1	1410	69 3.44 24	23 1.89 13	210 9.13 63	3 0.08 1	0	142 2.33 16	255 5.31 36	224 6.32 43	40 0.65 4	--	--	--	 894	267
3S/15W-24N 1 S 6-11-65	--	8.4	1230	1 0.05	2 0.16 1	263 11.44 96	9 0.23 2	0	152 2.49 21	312 6.50 55	104 2.93 25	0	--	--	--	 766	11
3S/15W-24P 1 S 11-30-64	69	8.5	2760	10 0.50 2	27 2.22 8	532 23.13 88	14 0.36 1	0	151 2.47 9	389 8.10 31	557 15.71 60	0	--	--	--	 1603	136
3S/15W-24P 2 S 12-14-64	--	8.3	1370	106 5.29 37	34 2.80 20	140 6.09 43	4 0.10 1	0	202 3.31 23	233 4.85 34	190 5.36 38	46.5 0.75 5	--	--	--	 853	405
 6-11-65	--	8.3	1360	109 5.44 38	32 2.63 18	142 6.17 43	4 0.10 1	0	201 3.29 23	240 5.00 35	188 5.30 37	50 0.81 6	--	--	--	 864	404
3S/15W-25A 3 S 10-26-64	--	8.5	1259	49 2.45 19	12 0.99 8	215 9.35 72	5 0.13 1	0	155 2.54 20	272 5.66 45	152 4.29 34	0	--	--	--	 781	172
3S/15W-25B 1 S 2-17-65	68	8.4	1670	57 2.84 17	25 2.06 12	266 11.57 70	4 0.10 1	0	173 2.84 17	292 6.08 37	244 6.88 42	41.0 0.66 4	--	--	--	 1014	245

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
3S/15W-25B 2 S	--	8.5	1630	9	10	330	4	0	167	332	212	0	--	--	--		64
12-11-64				0.45	0.82	14.35	0.10		2.74	6.91	5.98						
				3	5	91	1		18	44	38					979	
	--	8.2	1550	10	6	314	8	0	160	334	193	0	--	--	--		50
5-20-65				0.50	0.49	13.65	0.20		2.62	6.95	5.44						
				3	3	92	1		17	46	36					944	
3S/15W-25B 3 S	--	8.5	1150	8	11	225	9	0	150	291	95	0	--	--	--		65
12-15-64				0.40	0.90	9.78	0.23		2.46	6.06	2.68						
				4	8	86	2		22	54	24					713	
3S/15W-25C 3 S	--	7.9	1140	62	26	149	5	0	131	304	110	0.0	--	--	--		262
10- 7-64				3.09	2.14	6.48	0.13		2.15	6.33	3.10						
				26	18	55	1		19	55	27					720	
3S/15W-25C 4 S	--	8.6	4420	7	30	900	23	0	152	438	1100	0	--	--	--		141
12-15-64				0.35	2.47	39.13	0.59		2.49	9.12	31.02						
				1	6	92	1		6	21	73					2573	
	--	8.3	4950	12	32	1000	20	0	150	451	1260	3.0	--	--	--		162
5-18-65				0.60	2.63	43.48	0.51		2.46	9.39	35.53	0.05					
				1	6	92	1		5	20	75					2852	
3S/15W-25D 1 S	--	8.4	10100	57	142	2080	65	0	160	778	3080	0	--	--	--		727
10- 6-64				2.84	11.68	90.44	1.66		2.62	16.20	86.86						
				3	11	85	2		2	15	82					6281	
	68	8.2	8730	45	120	1760	58	0	162	701	2590	0	--	--	--		606
4- 6-65				2.25	9.87	76.52	1.48		2.66	14.59	73.04						
				2	11	85	2		3	16	81					5354	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 WEST COAST HYDRO SUBAREA U05A2																	
3S/15W-25D 2 S	68	8.2	3520U	288	885	7800	216	0	145	2140	13900	0	--	--	--		4361
12- 2-64				14.37	72.78	339.14	5.52		2.38	44.55	391.98						
				3	17	79	1		1	10	89					25300	
3S/15W-25F 1 S	--	8.6	122U	17	12	23U	3	U	148	312	109	U	--	--	--		92
12-16-64				U.85	0.99	10.00	U.08		2.43	6.50	3.07						
				7	8	84	1		20	54	26					756	
3S/15W-25G 6 S	63	8.4	109U	63	22	144	5	U	130	309	98	0	--	--	--		248
12- 4-64				3.14	1.81	6.26	0.13		2.13	6.43	2.76						
				28	16	55	1		19	57	24					705	
	--	7.4	1130	74	25	133	4	0	121	318	103	0	--	--	--		288
5-18-65				3.69	2.06	5.78	0.10		1.98	6.62	2.90						
				32	18	50	1		17	58	25					716	
3S/15W-25G 8 S	--	8.7	119U	2	1	255	7	0	157	294	97	0	--	--	--		9
1-14-65				U.10	0.08	11.09	0.18		2.57	6.12	2.74						
				1	1	97	2		22	54	24					733	
3S/15W-25G10 S	--	8.0	112U	29	30	170	5	0	137	309	100	0	--	--	--		196
6-21-65				1.45	2.47	7.39	0.13		2.25	6.43	2.82						
				13	22	65	1		20	56	25					710	
3S/15W-25H 3 S	--	8.5	148U	116	26	160	7	0	163	234	242	39.5	--	--	--		397
12- 8-64				5.79	2.14	6.96	0.18		2.67	4.87	6.82	0.64					
				38	14	46	1		18	32	45	4				905	
	--	7.7	1480	117	27	157	6	0	163	250	231	33.0	--	--	--		403
5-19-65				5.84	2.22	6.83	0.15		2.67	5.21	6.51	0.53					
				39	15	45	1		18	35	44	4				901	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
WEST COAST HYDRO SUBAREA U05A2																	
3S/15W-25L 1 S	68	8.5	3450	6	8	744	23	0	198	540	684	0	--	--	--		48
12- 3-64				0.30	0.66	32.35	0.59		3.25	11.24	19.29						
				1	2	95	2		10	33	57					2102	
	--	8.4	3270	4	7	700	23	0	194	510	644	1.0	--	--	--		39
6-21-65				0.20	0.58	30.44	0.59		3.18	10.62	18.16	0.02					
				1	2	96	2		10	33	57					1984	
3S/15W-25L 2 S	70	8.0	1520	32	23	240	18	0	275	75	301	0	--	--	--		175
3- 2-65				1.60	1.89	10.44	0.46		4.51	1.56	8.49						
				11	13	73	3		31	11	58					824	
3S/15W-25M 1 S	--	8.4	17100	94	309	3540	126	0	202	1060	5730	24.8	--	--	--		1506
12-10-64				4.69	25.41	153.92	3.22		3.31	22.07	161.59	0.40					
				3	14	82	2		2	12	86					10983	
3S/15W-25P 1 S	--	8.2	6430	105	158	1000	57	0	173	461	1820	0	--	--	--		912
10-13-64				5.24	12.99	43.48	1.46		2.84	9.60	51.32						
				8	21	69	2		4	15	80					3686	
	68	8.1	8120	114	184	1380	57	0	170	537	2440	12.0	--	--	--		1042
2-15-65				5.69	15.13	60.00	1.46		2.79	11.18	68.81	0.19					
				7	18	73	2		3	13	83					4808	
	--	8.1	8080	150	182	1360	65	0	173	535	2500	1.0	--	--	--		1124
6-22-65				7.49	14.97	59.13	1.66		2.84	11.14	70.50	0.02					
				9	18	71	2		3	13	83					4878	
3S/15W-25P 2 S	68	8.3	41300	360	1140	9600	316	0	154	2540	17100	0	--	--	--		5590
2-16-65				17.96	93.75	417.41	8.08		2.52	52.88	482.22						
				3	17	78	2			10	90					31132	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT 005A0 — L A SAN GABRIEL RIVER HYDRO UNIT 00500																	
WEST COAST HYDRO SUBAREA 005A2																	
3S/15W-25P 2 S	--	8.0	43100	352	1128	9400	408	0	152	2480	17040	0	--	--	--		5521
7-15-65				17.56	92.77	408.71	10.43		2.49	51.63	480.53						
				3	18	77	2			10	90					30883	
3S/15W-25Q 2 S	--	7.1	1180	94	31	108	5	0	112	344	112	0	--	--	--		362
6-23-65				4.69	2.55	4.70	0.13		1.84	7.16	3.16						
				39	21	39	1		15	59	26					749	
3S/15W-25Q 3 S	70	7.9	36200	346	927	8200	228	0	177	2140	14600	0	--	--	--		4679
12- 4-64				17.27	76.24	356.54	5.83		2.90	44.55	411.72						
				4	17	78	1		1	10	90					26528	
	--	7.8	37900	360	933	8200	204	0	183	2190	14700	0	--	--	--		4738
6-24-65				17.96	76.73	356.54	5.22		3.00	45.60	414.54						
				4	17	78	1		1	10	90					26677	
3S/15W-25Q 4 S	--	7.9	1230	103	35	120	6	0	178	340	110	0	--	--	--		401
6-23-65				5.14	2.88	5.22	0.15		2.92	7.08	3.10						
				38	22	39	1		22	54	24					802	
3S/15W-25R 2 S	--	8.2	6430	105	158	1000	57	0	173	461	1820	0.0	--	--	--		912
10-13-64				5.24	12.99	43.48	1.46		2.84	9.60	51.32						
				8	21	69	2		4	15	80					3686	
	68	8.4	1250	3	3	266	5	0	160	315	108	0	--	--	--		20
3-12-65				0.15	0.25	11.57	0.13		2.62	6.56	3.05						
				1	2	96	1		21	54	25					779	
3S/15W-25R 4 S	70	8.0	1130	53	35	138	9	0	133	316	106	0	--	--	--		276
3-17-65				2.64	2.88	6.00	0.23		2.18	6.58	2.99						
				22	25	51	2		19	56	25					722	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
3S/15W-36A 2 S	--	8.4	1200	90	20	136	7	0	185	236	152	0	--	--	--		307
12- 9-64				4.49	1.64	5.91	0.18		3.03	4.91	4.29						
				37	13	48	1		25	40	35					732	
3S/15W-36A 3 S	--	8.0	1140	90	31	120	5	0	146	326	106	0	--	--	--		352
4-27-65				4.49	2.55	5.22	0.13		2.39	6.79	2.99						
				36	21	42	1		20	56	25					750	
	--	8.0	1150	92	31	112	5	0	144	332	108	0	--	--	--		357
5-25-65				4.59	2.55	4.87	0.13		2.36	6.91	3.05						
				38	21	40	1		19	56	25					751	
	--	7.8	1150	93	30	112	5	0	149	335	109	0	--	--	--		356
5-25-65				4.64	2.47	4.87	0.13		2.44	6.97	3.07						
				38	20	40	1		20	56	25					757	
	--	8.1	1150	92	31	108	5	0	146	332	108	0	--	--	--		357
5-25-65				4.59	2.55	4.70	0.13		2.39	6.91	3.05						
				38	21	39	1		19	56	25					748	
	--	8.0	1220	94	31	131	5	0	143	350	120	0	--	--	--		362
6-28-65				4.69	2.55	5.70	0.13		2.34	7.29	3.38						
				36	20	44	1		18	56	26					801	
4S/12W-30R 1 S	--	8.6	2940	70	38	510	11	34	451	5	730	5	--	--	--		331
7-23-65				3.49	3.13	22.17	0.28	1.13	7.39	0.10	20.59	0.08					
				12	11	76	1	4	25		70					1625	
4S/12W-31M 1 S	--	8.5	2270	29	35	430	14	0	682	11	418	0	--	--	--		217
7-16-65				1.45	2.88	18.70	0.36		11.18	0.23	11.79						
				6	12	80	2		48	1	51					1272	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / WEST COAST HYDRO SUBAREA U05A2																	
4S/12W-34N 1 S	--	8.7	312	7	1	66	1	0	169	0	16	0.0	--	--	--		22
10- 5-64				0.35	0.08	2.87	0.03		2.77		0.51						
				11	2	86	1		84		16					176	
4S/13W-10E 3 S	71	8.2	680	62	16	63	3	0	255	87	45	0.0	0.1	0.17	--	416	221
10-26-64				3.09	1.32	2.74	0.08		4.18	1.81	1.27						
				43	18	38	1		58	25	17					402	
	71	7.9	704	57	17	60	4	0	253	80	48	0	0.4	0.10	--	407	212
4- 6-65				2.84	1.40	2.61	0.10		4.15	1.67	1.35						
				41	20	38	1		58	23	19					391	
4S/13W-15C 1 S	77	8.4	421	26	9	51	3	8	168	31	22	2.0	0.2	0.08	25	260	102
10-28-64				1.30	0.74	2.22	0.08	0.27	2.75	0.65	0.62	0.03					
				30	17	51	2	6	64	15	14	1				260	
4S/13W-22E 1 S	80	7.7	390	23	6	58	3	0	206	1	27	0.0	0.3	0.12	--	280	82
10-28-64				1.15	0.49	2.52	0.08		3.38	0.02	0.76						
				27	12	59	2		81		18					220	
4S/13W-22K 5 S	--	8.1	360	20	4	56	2	0	183	5	29	0.0	0.2	0.47	--	254	67
10-28-64				1.00	0.33	2.43	0.05		3.00	0.10	0.82						
				26	9	64	1		77	3	21					207	
	71	8.2	647	27	12	75	7	0	138	0	125	0	0.4	0.09	--	365	117
4- 6-65				1.35	0.99	3.26	0.18		2.26		3.53						
				23	17	56	3		39		61					314	
4S/13W-23A 2 S	--	8.6	4590	160	64	800	10	49	515	649	916	0	--	--	--		663
7-20-65				7.98	5.26	34.78	0.26	1.63	8.44	13.51	25.83						
				17	11	72	1	3	17	27	52					2901	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/13W-25F 1 S	--	8.5	1930	70	45	284	11	0	386	137	373	0	--	--	--		360
7-20-65				3.49	3.70	12.35	0.28		6.33	2.85	10.52						
				18	19	62	1		32	14	53					1110	
4S/13W-26A 2 S	--	8.6	741	29	7	128	3	0	276	0	106	0	--	--	--		102
7-26-65				1.45	0.58	5.57	0.08		4.52		2.99						
				19	8	73	1		60		40					409	
4S/13W-26A 3 S	--	8.5	516	31	15	62	3	0	204	62	29	0	--	--	--		139
7-26-65				1.55	1.23	2.70	0.08		3.34	1.29	0.82						
				28	22	49	1		61	24	15					302	
4S/13W-26A 4 S	--	7.5	4810	433	134	460	15	0	447	612	1140	0	--	--	--		1633
7-26-65				21.61	11.02	20.00	0.38		7.33	12.74	32.15						
				41	21	38	1		14	24	62					3014	
4S/13W-26F 5 S	--	8.6	536	14	4	105	3	0	232	6	61	0	--	--	--		52
7-19-65				0.70	0.33	4.57	0.08		3.80	0.12	1.72						
				12	6	80	1		67	2	30					307	
4S/13W-26F 6 S	--	8.4	417	12	4	77	4	0	200	8	33	0	--	--	--		47
7-19-65				0.60	0.33	3.35	0.10		3.28	0.17	0.93						
				14	8	76	2		75	4	21					236	
4S/13W-26F 7 S	--	7.7	5110	424	105	496	20	0	328	211	1470	0	--	--	--		1491
7-19-65				21.16	8.64	21.57	0.51		5.38	4.39	41.45						
				41	17	42	1		11	9	81					2887	
4S/13W-26R 1 S	--	8.7	1110	17	12	250	12	64	333	10	198	0	--	--	--		92
6-23-65				0.85	0.99	10.87	0.31	2.13	5.46	0.21	5.58						
				7	8	83	2	16	41	2	42					727	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/13W-26R 2 S	--	8.5	526	14	5	98	4	0	221	0	60	0	--	--	--		56
6-23-65				0.70	0.41	4.26	0.10		3.62		1.69						
				13	7	78	2		68		32					290	
4S/13W-26R 3 S	--	8.1	8560	382	214	1040	25	0	382	89	2850	0	--	--	--		1834
6-23-65				19.06	17.60	45.22	0.64		6.26	1.85	80.37						
				23	21	55	1		7	2	91					4788	
4S/13W-27A 2 S	81	8.1	3830	276	73	--	--	0	359	--	968	--	--	--	--		989
10- 6-64				13.77	6.00				5.88		27.30						
	63	8.1	3880	282	74	428	11	0	344	273	1000	0	--	--	--		1009
12- 1-64				14.07	6.09	18.61	0.28		5.64	5.68	28.20						
				36	16	48	1		14	14	71					2237	
	66	7.9	3970	288	78	428	12	0	367	267	1010	0	--	--	--		1040
1-12-65				14.37	6.41	18.61	0.31		6.02	5.56	28.48						
				36	16	47	1		15	14	71					2263	
	63	7.8	3880	258	97	428	11	0	370	290	1000	0	--	--	--		1043
2- 2-65				12.87	7.98	18.61	0.28		6.06	6.04	28.20						
				32	20	47	1		15	15	70					2266	
	64	7.6	3940	276	82	428	10	0	296	272	1020	0	--	--	--		1026
3- 2-65				13.77	6.74	18.61	0.26		4.85	5.66	28.76						
				35	17	47	1		12	14	73					2234	
	64	7.9	3940	296	77	428	12	0	326	275	1030	0	--	--	--		1056
4- 6-65				14.77	6.33	18.61	0.31		5.34	5.73	29.05						
				37	16	47	1		13	14	72					2278	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 WEST COAST HYDRO SUBAREA U05A2																	
4S/13W-27A 2 S	68	7.7	3970	309	77	430	13	0	367	265	1050	0	--	--	--		1088
5-11-65				15.42	6.33	18.70	0.33		6.02	5.52	29.61						
				38	16	46	1		15	13	72					2324	
	--	7.8	4030	310	78	428	12	0	367	273	1050	0	--	--	--		1095
6- 2-65				15.47	6.41	18.61	0.31		6.02	5.68	29.61						
				38	16	46	1		15	14	72					2331	
	71	7.8	3910	284	74	428	13	0	255	270	1050	0	--	--	--		1014
7- 7-65				14.17	6.09	18.61	0.33		4.18	5.62	29.61						
				36	16	47	1		11	14	75					2244	
	68	7.9	4030	304	78	440	12	0	359	257	1050	0	--	--	--		1080
8- 2-65				15.17	6.41	19.13	0.31		5.88	5.35	29.61						
				37	16	47	1		14	13	73					2318	
4S/13W-27E 1 S	--	8.5	427	20	5	74	3	0	228	0	27	0	--	--	--		71
6-24-65				1.00	0.41	3.22	0.08		3.74		0.76						
				21	9	68	2		83		17					241	
4S/13W-27E 2 S	--	8.3	3550	236	72	392	12	0	222	64	1060	0	--	--	--		886
6-24-65				11.78	5.92	17.04	0.31		3.64	1.33	29.89						
				34	17	49	1		10	4	86					1945	
4S/13W-27K 2 S	--	8.7	756	24	7	128	4	0	228	3	126	0	--	--	--		89
7-21-65				1.20	0.58	5.57	0.10		3.74	0.06	3.55						
				16	8	75	1		51	1	48					404	
4S/13W-27M 3 S	--	7.6	380	22	2	67	2	0	197	2	34	0.0	0.6	0.20	--	234	63
10-28-64				1.10	0.16	2.91	0.05		3.23	0.04	0.96						
				26	4	69	1		76	1	23					227	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/13W-27M 3 S	80	8.2	415	21	3	70	2	0	209	0	33	0	0.4	0.14	--	216	65
3-29-65				1.05	0.25	3.04	0.05		3.43		0.93						
				24	6	69	1		79		21					232	
4S/13W-27N 1 S	--	7.6	440	17	2	88	3	0	211	2	50	0.0	0.8	0.25	--	286	51
10-28-64				0.85	0.16	3.83	0.08		3.46	0.04	1.41						
				17	3	78	2		70	1	29					267	
	80	7.6	488	17	3	92	3	0	217	2	51	0	0.4	0.21	--	261	55
3-29-65				0.85	0.25	4.00	0.08		3.56	0.04	1.44						
				16	5	77	2		71	1	29					275	
4S/13W-27Q 1 S	--	8.3	31000	512	788	6130	143	0	377	1570	11500	0	--	--	--		4522
7-21-65				25.55	64.81	266.53	3.66		6.18	32.69	324.30						
				7	18	74	1		2	9	89					20828	
4S/13W-30H 2 S	--	8.5	424	22	8	60	4	0	224	4	26	0	--	--	--		88
6-25-65				1.10	0.66	2.61	0.10		3.67	0.08	0.73						
				25	15	58	2		82	2	16					234	
4S/13W-30H 3 S	--	7.8	475	20	8	79	--	--	202	29	41	--	--	--	--		83
12- 2-64				1.00	0.66	3.43			3.31	0.60	1.16						
4S/13W-30H 4 S	--	8.5	419	20	8	62	4	0	223	0	28	0	--	--	--		83
6-25-65				1.00	0.66	2.70	0.10		3.65		0.79						
				22	15	61	2		82		18					232	
4S/13W-31N 1 S	--	8.5	512	14	8	95	5	0	275	7	35	0	--	--	--		68
7-13-65				0.70	0.66	4.13	0.13		4.51	0.15	0.99						
				12	12	73	2		80	3	18					299	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / WEST COAST HYDRO SUBAREA U05A2 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
4S/14W- 1F 2 S	--	7.4	530	45	13	62	4	0	193	79	41	0.0	0.2	0.14	--	362	166
10-28-64				2.25	1.07	2.70	0.10		3.16	1.64	1.16						
				37	17	44	2		53	28	19					339	
	--	8.0	530	44	15	56	3	0	239	43	36	0.0	0.2	0.07	--	340	172
3-30-65				2.20	1.23	2.43	0.08		3.92	0.90	1.02						
				37	21	41	1		67	15	17					315	
4S/14W- 3L 2 S	--	7.9	600	56	15	54	4	0	234	37	66	0.0	0.4	0.14	--	386	201
10-28-64				2.79	1.23	2.35	0.10		3.84	0.77	1.86						
				43	19	36	2		59	12	29					348	
	--	8.2	620	52	19	54	4	0	246	29	64	1	0.2	0.11	--	360	208
3-20-65				2.59	1.56	2.35	0.10		4.03	0.60	1.80	0.02					
				39	24	36	2		62	9	28					344	
4S/14W- 5F 1 S	--	8.2	13800	984	352	1660	30	0	221	580	4880	0	--	--	--		3906
3- 9-65				49.10	28.95	72.18	0.77		3.62	12.08	137.62						
				33	19	48	1		2	8	90					8595	
	--	7.6	13800	966	350	1760	31	0	233	638	4880	0	--	--	--		3852
5-25-65				48.20	28.78	76.52	0.79		3.82	13.28	137.62						
				31	19	50	1		2	9	89					8740	
	--	7.6	15900	1070	399	2000	40	0	223	687	5590	10	--	--	--		4313
7-20-65				53.39	32.81	86.96	1.02		3.65	14.30	157.64	0.16					
				31	19	50	1		2	8	90					9906	
4S/14W- 5N 7 S	--	7.8	34500	354	811	7325	105	0	168	2000	12900	0	--	--	--		4221
1-27-65				17.66	66.70	318.49	2.68		2.75	41.64	363.78						
				4	16	79	1		1	10	89					23578	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W- 5N 7 S	64	8.2	8900	70	162	1760	23	0	163	667	2720	0	--	--	--		841
3-18-65				3.49	13.32	76.52	0.59		2.67	13.89	76.70						
				4	14	81	1		3	15	82					5482	
4S/14W- 5N 8 S	--	7.8	43100	560	1230	10000	110	0	182	2630	18200	0	--	--	--		6460
2-15-65				27.94	101.16	434.80	2.81		2.98	54.76	513.24						
				5	18	77			1	10	90					32819	
	--	7.6	42400	560	1200	9800	112	0	180	2560	18000	0	--	--	--		6337
3-19-65				27.94	98.69	426.10	2.86		2.95	53.30	507.60						
				5	18	77	1		1	9	90					32321	
4S/14W- 5N10 S	--	7.7	14200	179	333	2730	31	0	157	926	4730	0	--	--	--		1817
2-22-65				8.93	27.39	118.70	0.79		2.57	19.28	133.39						
				6	18	76	1		2	12	86					9006	
4S/14W- 5N12 S	--	7.8	24200	221	511	5000	50	0	162	1390	8570	0	--	--	--		2655
12-26-64				11.03	42.02	217.40	1.28		2.66	28.94	241.67						
				4	15	80			1	11	88					15822	
4S/14W- 5N13 S	--	8.0	23600	526	566	4400	33	0	218	1190	8410	0	--	--	--		3643
12-29-64				26.25	46.55	191.31	0.84		3.57	24.78	237.16						
				10	18	72			1	9	89					15232	
4S/14W- 6B 4 S	--	7.5	37313	611	958	7840	124	0	285	1960	14500	0	--	--	--		5468
11-20-64				30.49	78.79	340.88	3.17		4.67	40.81	408.90						
				7	17	75	1		1	9	90					26153	
4S/14W- 6B 5 S	--	7.5	34722	584	869	7160	100	0	215	1930	13200	0	--	--	--		5035
11- 8-64				29.14	71.47	311.32	2.56		3.52	40.18	372.24						
				7	17	75	1		1	10	89					23949	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance volue: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W- 6F 1 S	--	8.0	28100	918	727	5250	45	0	310	1370	10640	0	--	--	--		5284
3- 8-65				45.81	59.79	228.27	1.15		5.08	28.52	300.05						
				14	18	68			2	9	90					19102	
4S/14W- 6G 2 S	--	8.4	1377	106	24	142	8	0	241	90	273	0	--	--	--		363
11-12-64				5.29	1.97	6.17	0.20		3.95	1.87	7.70						
				39	14	45	1		29	14	57					761	
	--	8.2	943	64	15	115	5	0	256	61	143	0	--	--	--		221
3-24-65				3.19	1.23	5.00	0.13		4.20	1.27	4.03						
				33	13	52	1		44	13	42					529	
4S/14W- 6G 4 S	--	8.2	11200	70	176	2250	51	0	182	761	3520	0	--	--	--		899
3- 5-65				3.49	14.47	97.83	1.30		2.98	15.84	99.28						
				3	12	84	1		3	13	84					6917	
	--	8.4	1260	79	34	147	12	0	149	351	124	0	--	--	--		337
7-26-65				3.94	2.80	6.39	0.31		2.44	7.31	3.50						
				29	21	48	2		18	55	26					820	
4S/14W- 6G 5 S	--	7.8	29100	896	761	5630	85	0	296	1510	11300	0	--	--	--		5369
6- 3-65				44.71	62.58	244.79	2.17		4.85	31.44	318.66						
				13	18	69	1		1	9	90					20328	
4S/14W- 6H 1 S	--	8.0	28100	918	727	5250	45	0	310	1370	10640	0	--	--	--		5284
3- 8-65				45.81	59.79	228.27	1.15		5.08	28.52	300.05						
				14	18	68			2	9	90					19102	
	--	7.6	30500	1150	839	6000	70	0	307	1610	12500	0	--	--	--		6325
5-24-65				57.39	69.00	260.88	1.79		5.03	33.52	352.50						
				15	18	67			1	9	90					22320	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W- 6H 1 S	--	8.0	34000	1010	854	6640	80	0	279	1790	13200	0	--	--	--		6036
7-22-65				50.40	70.23	288.71	2.05		4.57	37.27	372.24						
				12	17	70			1	9	90					23711	
4S/14W- 6J11 S	--	7.3	28600	510	680	5880	93	0	179	1640	10700	0	--	--	--		4072
2-25-65				25.45	55.92	255.66	2.38		2.93	34.14	301.74						
				7	16	75	1		1	10	89					19591	
4S/14W- 6L 1 S	--	8.0	34014	1121	875	6480	96	0	195	1811	13240	0	--	--	--		6400
11-13-64				55.94	71.96	281.75	2.45		3.20	37.71	373.37						
				14	17	68	1		1	9	90					23719	
	--	7.9	31600	1130	883	6200	68	0	196	1740	12800	0	--	--	--		6456
3-24-65				56.39	72.62	269.58	1.74		3.21	36.23	360.96						
				14	18	67			1	9	90					22917	
	--	8.1	31400	1090	857	6080	90	0	198	1680	12500	0	--	--	--		6248
5- 4-65				54.39	70.48	264.36	2.30		3.25	34.98	352.50						
				14	18	68	1		1	9	90					22394	
4S/14W- 7C 3 S	--	7.9	41667	506	1103	9120	280	0	182	2321	16648	0	--	--	--		5803
11-16-64				25.25	90.71	396.54	7.16		2.98	48.32	469.47						
				5	17	76	1		1	9	90					30067	
	--	8.0	41000	516	1140	9200	252	0	182	2330	16800	0	--	--	--		5980
5- 5-65				25.75	93.75	400.02	6.44		2.98	48.51	473.76						
				5	18	76	1		1	9	90					30327	
4S/14W- 7D 1 S	--	8.0	45871	382	1218	10700	400	0	200	2646	18932	0	--	--	--		5966
11-16-64				19.06	100.17	465.24	10.23		3.28	55.09	533.88						
				3	17	78	2		1	9	90					34376	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W- 7F 1 S	--	8.1	45454	499	1200	10200	220	0	321	2480	18300	0	--	--	--		6184
11-17-64				24.90	98.69	443.50	5.63		5.26	51.63	516.06						
				4	17	77	1		1	9	90					33057	
	--	8.1	43500	517	1230	10000	185	0	324	2430	18200	0	--	--	--		6353
5- 5-65				25.80	101.16	434.80	4.73		5.31	50.59	513.24						
				5	18	77	1		1	9	90					32721	
4S/14W- 7J 7 S	--	7.7	694	48	17	65	7	0	264	1	90	0	--	--	--		190
3- 2-65				2.40	1.40	2.83	0.18		4.33	0.02	2.54						
				35	21	42	3		63		37					358	
	--	8.1	692	47	17	62	8	0	263	1	88	0	--	--	--		188
6- 4-65				2.35	1.40	2.70	0.20		4.31	0.02	2.48						
				35	21	41	3		63		36					352	
4S/14W- 7J 8 S	--	7.5	42700	442	1190	9800	280	0	136	2570	17600	0	--	--	--		6001
2-11-65				22.06	97.87	426.10	7.16		2.23	53.51	496.32						
				4	18	77	1			10	90					31949	
	--	7.6	42700	460	1190	9920	308	0	128	2560	17900	0	--	--	--		6046
3-22-65				22.95	97.87	431.32	7.88		2.10	53.30	504.78						
				4	17	77	1			10	90					32401	
	--	7.6	41700	472	1190	9800	276	0	134	2560	17800	0	--	--	--		6076
6- 7-65				23.55	97.87	426.10	7.06		2.20	53.30	501.96						
				4	18	77	1			10	90					32164	
4S/14W- 7K 2 S	64	7.7	47600	400	1260	10500	370	0	142	2760	18900	0	--	--	--		6184
1-28-65				19.96	103.62	456.54	9.46		2.33	57.46	532.98						
				3	18	77	2			10	90					34260	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05AU — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W- 7K 2 S	--	7.9	43800	424	1260	10400	332	0	146	2720	18800	0	--	--	--		6244
6- 7-65				21.16	103.62	452.19	8.49		2.39	56.63	530.16						
				4	18	77	1			10	90					34008	
4S/14W- 7P 2 S	--	7.9	45454	446	1190	10200	365	0	144	2600	18300	0	--	--	--		6011
11-19-64				22.26	97.87	443.50	9.33		2.36	54.13	516.06						
				4	17	77	2			9	90					33172	
	--	8.2	40000	592	1140	9000	120	0	293	2230	16700	0	--	--	--		6169
6-11-65				29.54	93.75	391.32	3.07		4.80	46.43	470.94						
				6	18	76	1		1	9	90					29926	
4S/14W- 7P 3 S	--	8.2	41667	576	1100	9100	130	0	229	2260	16500	0	--	--	--		5965
11-19-64				28.74	90.46	395.67	3.32		3.75	47.05	465.30						
				6	17	76	1		1	9	90					29779	
	--	8.0	43500	443	1240	10200	344	0	127	2670	18600	0	--	--	--		6209
6-11-65				22.11	101.98	443.50	8.80		2.08	55.59	524.52						
				4	18	77	2			10	90					33559	
4S/14W- 8B 1 S	--	7.1	36200	784	866	7680	60	0	137	2040	14000	0	--	--	--		5521
10-16-64				39.12	71.22	333.93	1.53		2.25	42.47	394.80						
				9	16	75			1	10	90					25497	
	--	7.6	32500	675	712	6380	55	0	128	1800	12040	0	--	--	--		4615
10-16-64				33.68	58.55	277.40	1.41		2.10	37.48	339.53						
				9	16	75			1	10	90					21725	
	--	8.0	27174	53	553	6000	63	0	152	1510	9800	--	--	--	--		2408
11-19-64				2.64	45.48	260.88	1.61		2.49	31.44	276.36						

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W- 8B 1 S	--	7.9	8180	104	91	1620	10	0	153	621	2400	2.0	--	--	--		634
2-10-65				5.19	7.48	70.44	0.26		2.51	12.93	67.68	0.03					
				6	9	84			3	16	81					4923	
	--	7.8	5340	63	50	1065	8	0	148	492	1460	0	--	--	--		363
3-17-65				3.14	4.11	46.31	0.20		2.43	10.24	41.17						
				6	8	86			5	19	76					3211	
	--	8.3	2630	30	19	510	6	0	153	386	533	0	--	--	--		153
6- 1-65				1.50	1.56	22.17	0.15		2.51	8.04	15.03						
				6	6	87	1		10	31	59					1559	
	--	8.2	2510	35	24	470	5	0	149	380	508	0	--	--	--		186
7-21-65				1.75	1.97	20.44	0.13		2.44	7.91	14.33						
				7	8	84	1		10	32	58					1495	
4S/14W- 8D 2 S	--	7.6	45454	436	1130	10000	180	0	160	2600	17700	0	--	--	--		5739
10-27-64				21.76	92.93	434.80	4.60		2.62	54.13	499.14						
				4	17	78	1			10	90					32125	
	--	8.4	32500	290	678	7080	92	0	192	1860	12000	0	--	--	--		3514
12-17-64				14.47	55.76	307.84	2.35		3.15	38.73	338.40						
				4	15	81	1		1	10	89					22094	
	--	8.3	12100	41	102	2600	39	0	181	872	3680	0	--	--	--		522
1-26-65				2.05	8.39	113.05	1.00		2.97	18.16	103.78						
				2	7	91	1		2	15	83					7423	
	67	8.2	3400	7	12	728	11	0	162	441	756	0	--	--	--		67
3-23-65				0.35	0.99	31.65	0.28		2.66	9.18	21.32						
				1	3	95	1		8	28	64					2035	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / WEST COAST HYDRO SUBAREA U05A2 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
4S/14W- 8D 2 S	--	8.6	1470	4	2	314	6	0	154	342	164	0	--	--	--		18
7- 2-65				0.20	0.16	13.65	0.15		2.52	7.12	4.62						
				1	1	96	1		18	50	32					908	
4S/14W- 8D15 S	--	8.3	2780	110	47	396	11	0	205	279	626	0	--	--	--		468
10-23-64				5.49	3.87	17.22	0.28		3.36	5.81	17.65						
				20	14	64	1		13	22	66					1570	
	--	8.3	2155	77	33	326	11	0	181	291	425	0	--	--	--		328
11-16-64				3.84	2.71	14.17	0.28		2.97	6.06	11.99						
				18	13	67	1		14	29	57					1252	
4S/14W- 8D16 S	--	7.7	36200	464	888	7720	72	0	169	2080	13900	0	--	--	--		4813
10-19-64				23.15	73.03	335.67	1.84		2.77	43.31	391.98						
				5	17	77			1	10	89					25207	
	--	8.5	44643	29	63	850	15	0	145	449	1130	0	--	--	--		332
11-19-64				1.45	5.18	36.96	0.38		2.38	9.35	31.87						
				3	12	84	1		5	21	73					2607	
	--	8.1	1240	72	35	138	6	0	134	332	126	1	--	--	--		324
3-12-65				3.59	2.88	6.00	0.15		2.20	6.91	3.55	0.02					
				28	23	48	1		17	54	28					776	
4S/14W- 8D17 S	--	8.0	9500	567	227	1120	28	0	227	379	3070	0	--	--	--		2350
10-19-64				28.29	18.67	48.70	0.72		3.72	7.89	86.57						
				29	19	51	1		4	8	88					5503	
	--	8.0	9488	546	226	1150	34	--	235	364	3040	0	--	--	--		2294
11-23-64				27.25	18.59	50.00	0.87		3.85	7.58	85.73						
				28	19	52	1		4	8	88					5476	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W- 8D17 S	--	8.0	9400	560	245	1150	25	0	240	390	3080	0	--	--	--		2406
2- 9-65				27.94	20.15	50.00	0.64		3.93	8.12	86.86						
				28	20	51	1		4	8	88					5568	
	--	8.0	9470	514	265	1150	25	0	234	395	3040	0	--	--	--		2374
3-16-65				25.65	21.79	50.00	0.64		3.84	8.22	85.73						
				26	22	51	1		4	8	88					5504	
4S/14W- 8D21 S	--	8.1	5320	68	109	910	13	0	142	468	1416	0	--	--	--		618
12-21-64				3.39	8.96	39.57	0.33		2.33	9.74	39.93						
				6	17	76	1		4	19	77					3054	
	--	7.8	20800	886	502	3240	62	0	222	980	7270	0	--	--	--		4278
12-21-64				44.21	41.28	140.88	1.59		3.64	20.40	205.01						
				19	18	62	1		2	9	90					13049	
4S/14W- 8E 3 S	--	8.5	1250	0	3	273	5	0	152	323	106	0	--	--	--		13
11-17-64					0.25	11.87	0.13		2.49	6.72	2.99						
					2	97	1		20	55	25					785	
	--	8.4	1360	0	11	280	6	0	168	348	112	0	--	--	--		45
12-18-64					0.90	12.17	0.15		2.75	7.25	3.16						
					7	92	1		21	55	24					840	
4S/14W- 8E17 S	--	8.5	2590	128	52	312	15	0	216	54	694	0	--	--	--		534
10-22-64				6.39	4.28	13.57	0.38		3.54	1.12	19.57						
				26	17	55	2		15	5	81					1361	
	--	8.5	2451	123	52	286	16	0	218	51	660	0	--	--	--		521
11-13-64				6.14	4.28	12.44	0.41		3.57	1.06	18.61						
				26	18	53	2		15	5	80					1295	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivolents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total Hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / WEST COAST HYDRO SUBAREA U05A2																	
4S/14W- 8E20 S	--	8.2	17100	672	332	3120	46	0	210	897	6080	0	--	--	--		3044
10- 2-64				33.53	27.30	135.66	1.18		3.44	18.68	171.46						
				17	14	69	1		2	10	89					11250	
	--	8.0	14451	291	284	2660	42	0	180	852	4720	0	--	--	--		1896
11-18-64				14.52	23.36	115.66	1.07		2.95	17.74	133.10						
				9	15	75	1		2	12	87					8938	
4S/14W- 8F 4 S	--	8.0	7837	778	239	420	24	0	14	249	2560	0	--	--	--		2926
11-24-64				38.82	19.66	18.26	0.61		0.23	5.18	72.19						
				50	25	24	1			7	93					4277	
	--	8.1	15432	672	325	2400	34	0	188	691	5240	0	--	--	--		3015
11-24-64				33.53	26.73	104.35	0.87		3.08	14.39	147.77						
				20	16	63	1		2	9	89					9454	
	--	8.2	15600	693	372	2360	30	0	192	687	5360	6.0	--	--	--		3261
12-28-64				34.58	30.59	102.61	0.77		3.15	14.30	151.15	0.10					
				21	18	61			2	8	90					9602	
	--	8.3	16900	756	386	2550	47	0	207	798	5700	0	--	--	--		3476
1-28-65				37.72	31.74	110.87	1.20		3.39	16.61	160.74						
				21	17	61	1		2	9	89					10339	
	--	8.0	17400	764	388	2940	40	0	199	856	6320	0	--	--	--		3504
4- 1-65				38.12	31.91	127.83	1.02		3.26	17.82	178.22						
				19	16	64	1		2	9	89					11406	
	--	8.1	19800	834	481	3360	46	0	194	1000	7360	0	--	--	--		4062
6-18-65				41.62	39.56	146.09	1.18		3.18	20.82	207.55						
				18	17	64	1		1	9	90					13176	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / WEST COAST HYDRO SUBAREA U05A2				L A SAN GABRIEL RIVER HYDRO UNIT U0500													
4S/14W- 8F 5 S	--	8.0	8880	848	286	60	15	0	148	300	2960	0	--	--	--		3295
12-28-64				42.32	23.52	2.61	0.38		2.43	6.25	83.47						
				61	34	4	1		3	7	91					4542	
	--	7.9	11900	1030	336	1070	27	0	166	514	4000	0	--	--	--		3955
1-28-65				51.40	27.63	46.52	0.69		2.72	10.70	112.80						
				41	22	37	1		2	8	89					7059	
	--	7.7	11500	1080	356	960	28	0	178	506	4100	0	--	--	--		4162
4- 1-65				53.89	29.28	41.74	0.72		2.92	10.53	115.62						
				43	23	33	1		2	8	90					7118	
	--	7.8	12400	908	279	1520	37	0	164	572	4370	0	--	--	--		3415
6-18-65				45.31	22.94	66.09	0.95		2.69	11.91	123.23						
				33	17	49	1		2	9	89					7767	
4S/14W- 8F 6 S	--	7.9	15674	656	324	2400	38	0	119	667	5320	0	--	--	--		2971
11-24-64				32.73	26.65	104.35	0.97		1.95	13.89	150.02						
				20	16	63	1		1	8	90					9464	
	--	8.1	15600	675	386	2300	40	0	198	691	5330	0	--	--	--		3274
12-28-64				33.68	31.74	100.00	1.02		3.25	14.39	150.31						
				20	19	60	1		2	9	89					9519	
	--	8.2	16100	682	404	2400	45	0	210	757	5420	0	--	--	--		3365
1-28-65				34.03	33.22	104.35	1.15		3.44	15.76	152.84						
				20	19	60	1		2	9	89					9811	
	--	8.9	17400	736	400	2900	40	0	195	856	6300	0	--	--	--		3484
4- 1-65				36.73	32.90	126.09	1.02		3.20	17.82	177.66						
				19	17	64	1		2	9	89					11328	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W- 8F 6 S	--	8.2	19200	864	466	3200	46	0	194	980	7200	0	--	--	--		4075
6-18-65				43.11	38.32	139.14	1.18		3.18	20.40	203.04						
				19	17	63	1		1	9	90					12851	
4S/14W- 8G 1 S	--	8.2	1748	129	41	152	8	0	245	32	421	0	--	--	--		491
11-24-64				6.44	3.37	6.61	0.20		4.02	0.67	11.87						
				39	20	40	1		24	4	72					903	
	--	8.2	1820	143	45	152	8	0	243	40	453	0	--	--	--		542
6-14-65				7.14	3.70	6.61	0.20		3.98	0.83	12.77						
				40	21	37	1		23	5	73					960	
4S/14W- 8M 2 S	--	8.1	6110	400	176	600	23	0	159	77	2040	0	--	--	--		1723
11-25-64				19.96	14.47	26.09	0.59		2.61	1.60	57.53						
				33	24	43	1		4	3	93					3394	
4S/14W- 8M 3 S	--	8.1	1111	85	22	132	3	0	136	323	104	0	--	--	--		303
11-25-64				4.24	1.81	5.74	0.08		2.23	6.72	2.93						
				36	15	48	1		19	57	25					736	
	--	8.2	1150	88	26	133	3	0	140	333	109	0	--	--	--		327
12-29-64				4.39	2.14	5.78	0.08		2.29	6.93	3.07						
				35	17	47	1		19	56	25					761	
4S/14W- 8M 4 S	--	8.3	5970	397	204	485	23	0	182	61	1910	0	--	--	--		1831
12-29-64				19.81	16.78	21.09	0.59		2.98	1.27	53.86						
				34	29	36	1		5	2	93					3169	
4S/14W- 8M 6 S	--	8.7	1370	5	5	286	4	0	146	321	146	0	--	--	--		33
11-30-64				0.25	0.41	12.44	0.10		2.39	6.68	4.12						
				2	3	94	1		18	51	31					839	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W- 8M 6 S	--	8.4	1530	4	5	320	3	0	148	336	186	0	--	--	--		31
12-18-64				0.20	0.41	13.91	0.08		2.43	7.00	5.25						
				1	3	95	1		17	48	36					927	
	--	8.3	1200	34	50	142	4	0	144	324	110	0	--	--	--		291
1-26-65				1.70	4.11	6.17	0.10		2.36	6.75	3.10						
				14	34	51	1		19	55	25					735	
4S/14W- 8M12 S	--	7.9	5800	440	178	465	27	0	193	140	1830	0	--	--	--		1831
11-24-64				21.96	14.64	20.22	0.69		3.16	2.91	51.61						
				38	25	35	1		5	5	89					3175	
4S/14W- 8M13 S	--	7.6	43800	600	1133	9350	90	0	140	2430	17300	0	--	--	--		6161
10-27-64				29.94	93.18	406.54	2.30		2.29	50.59	487.86						
				6	18	76				9	90					30972	
	--	7.5	44643	578	1150	9800	90	0	132	2490	17600	0	--	--	--		6176
11-25-64				28.84	94.58	426.10	2.30		2.16	51.84	496.32						
				5	17	77				9	90					31773	
	--	7.7	42700	570	1190	9800	60	0	109	2530	17600	0	--	--	--		6321
3-10-65				28.44	97.87	426.10	1.53		1.79	52.67	496.32						
				5	18	77				10	90					31804	
4S/14W- 8M14 S	--	7.5	30900	380	744	6380	70	0	14	1729	11400	0	--	--	--		4011
10-20-64				18.96	61.19	277.40	1.79		0.23	36.00	321.48						
				5	17	77				10	90					20710	
4S/14W- 8M15 S	--	7.8	9920	105	208	1820	25	0	137	650	3060	0	--	--	--		1118
12-12-64				5.24	17.11	79.13	0.64		2.25	13.53	86.29						
				5	17	77	1		2	13	85					5935	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — WEST COAST HYDRO SUBAREA U05A2 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
4S/14W- 8M15 S	--	7.9	13300	161	291	2450	31	0	137	794	4280	0	--	--	--		1599
12-15-64				8.03	23.93	106.53	0.79		2.25	16.53	120.70						
				6	17	76	1		2	12	87					8074	
4S/14W- 8N 5 S	--	8.0	37879	686	985	8080	92	0	181	2099	15000	6	--	--	--		5767
11- 4-64				34.23	81.01	351.32	2.35		2.97	43.70	423.00	0.10					
				7	17	75	1		1	9	90					27037	
	--	7.8	39370	642	1044	8400	80	0	189	2046	15648	0	--	--	--		5900
11- 4-64				32.04	85.86	365.23	2.05		3.10	42.60	441.27						
				7	18	75			1	9	91					27953	
4S/14W- 8N 6 S	--	7.8	29200	691	690	5700	68	0	206	1523	10800	0	--	--	--		4565
10-13-64				34.48	56.75	247.84	1.74		3.38	31.71	304.56						
				10	17	73	1		1	9	90					19573	
4S/14W- 8N 7 S	--	7.7	30900	720	786	6200	50	0	208	1710	11800	0	--	--	--		5033
2- 9-65				35.93	64.64	269.58	1.28		3.41	35.60	332.76						
				10	17	73			1	10	90					21368	
4S/14W- 8N 8 S	--	7.6	29100	700	740	5880	50	0	215	1620	11200	0	--	--	--		4793
1-28-65				34.93	60.86	255.66	1.28		3.52	33.73	315.84						
				10	17	72			1	10	89					20296	
4S/14W- 8N 9 S	--	8.3	32500	643	817	6840	92	0	161	1850	12700	0	--	--	--		4968
12- 3-64				32.09	67.19	297.40	2.35		2.64	38.52	358.14						
				8	17	75	1		1	10	90					23021	
4S/14W- 8N10 S	--	7.7	29600	470	792	6000	45	0	149	1700	11200	0	--	--	--		4433
1-18-65				23.45	65.13	260.88	1.15		2.44	35.39	315.84						
				7	19	74			1	10	89					20280	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W- 8N11 S 1- 6-65	--	7.8	30300	485 24.20 7	769 63.24 17	6380 277.40 76	45 1.15	0	133 2.18 1	1750 36.44 10	11600 327.12 89	2.0 0.03	--	--	--	21096	4375
4S/14W- 8P 1 S 2-16-65	--	7.8	8080	624 31.14 36	245 20.15 24	770 33.48 39	23 0.59 1	0	242 3.97 5	268 5.58 7	2670 75.29 89	0	--	--	--	4719	2567
7-27-65	--	7.9	9290	720 35.93 37	254 20.89 22	900 39.13 40	28 0.72 1	0	242 3.97 4	319 6.64 7	3110 87.70 89	5 0.08	--	--	--	5455	2843
4S/14W- 8P 2 S 2-17-65	--	8.2	661	40 2.00 29	13 1.07 16	83 3.61 53	4 0.10 1	0	260 4.26 63	3 0.06 1	87 2.45 36	0	--	--	--	358	154
7-27-65	--	8.1	642	42 2.10 33	13 1.07 17	71 3.09 49	4 0.10 2	0	256 4.20 64	0	83 2.34 36	0	--	--	--	339	159
4S/14W- 9Q 1 S 10- 5-64	73	8.3	777	32 1.60	10 0.82	--	--	0	278 4.56	--	113 3.19	--	--	--	--		121
10-29-64	--	7.6	730	35 1.75 21	10 0.82 10	125 5.44 67	5 0.13 2	0	277 4.54 55	3 0.06 1	130 3.67 44	0.0	0.2	0.34	--	494 445	129
1-11-65	57	8.2	1050	40 2.00 20	12 0.99 10	164 7.13 70	5 0.13 1	0	279 4.57 45	0	201 5.67 55	0	--	--	--	559	150

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W- 9Q 1 S	60	8.1	799	41	12	110	4	0	282	1	122	0	--	--	--		152
2- 1-65				2.05	0.99	4.78	0.10		4.62	0.02	3.44						
				26	13	60	1		57		43					429	
	72	7.9	1200	46	16	169	6	0	278	3	230	0	--	--	--		181
3- 1-65				2.30	1.32	7.35	0.15		4.56	0.06	6.49						
				21	12	66	1		41	1	58					607	
	--	8.1	1165	51	15	187	5	0	283	5	252	0.0	0.2	0.75	--	660	189
3-31-65				2.54	1.23	8.13	0.13		4.64	0.10	7.11						
				21	10	68	1		39	1	60					655	
	--	7.9	1110	48	14	166	6	0	277	0	226	0	--	--	--		178
5-10-65				2.40	1.15	7.22	0.15		4.54		6.37						
				22	11	66	1		42		58					596	
	--	8.1	1080	52	13	152	6	0	273	1	211	0	--	--	--		183
6- 2-65				2.59	1.07	6.61	0.15		4.47	0.02	5.95						
				25	10	63	1		43		57					569	
	70	8.5	883	44	13	122	5	0	262	0	153	0	--	--	--		164
7- 7-65				2.20	1.07	5.30	0.13		4.29		4.31						
				25	12	61	1		50		50					466	
	72	7.8	899	45	14	120	5	0	279	0	154	0	--	--	--		170
8- 2-65				2.25	1.15	5.22	0.13		4.57		4.34						
				26	13	60	1		51		49					475	
4S/14W-10J 1 S	--	7.4	632	41	15	67	5	0	230	12	79	2.0	0.4	0.14	30	370	164
10-29-64				2.05	1.23	2.91	0.13		3.77	0.25	2.23	0.03					
				32	19	46	2		60	4	36					365	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 WEST COAST HYDRO SUBAREA U05A2																	
4S/14W-10J 1 S	--	8.0	638	42	13	67	5	0	225	9	79	3	0.5	0.13	--	358	159
3-30-65				2.10	1.07	2.91	0.13		3.69	0.19	2.23	0.05					
				34	17	47	2		60	3	36	1				329	
4S/14W-11F 1 S	--	7.8	970	85	22	88	7	0	262	64	155	2.0	0.2	0.12	--	576	303
10-29-64				4.24	1.81	3.83	0.18		4.29	1.33	4.37	0.03					
				42	18	38	2		43	13	44					552	
	--	7.9	900	72	25	83	6	0	264	44	140	2	0.2	0.15	--	550	283
3-30-65				3.59	2.06	3.61	0.15		4.33	0.92	3.95	0.03					
				38	22	38	2		47	10	43					502	
4S/14W-12Q 2 S	--	7.8	1030	19	17	176	8	0	458	3	110	0	--	--	--		118
7-20-65				0.95	1.40	7.65	0.20		7.51	0.06	3.10						
				9	14	75	2		70	1	29					558	
4S/14W-16F 1 S	--	7.8	720	38	12	105	5	0	274	8	100	0.0	0.2	0.36	--	448	145
10-27-64				1.90	0.99	4.57	0.13		4.49	0.17	2.82						
				25	13	60	2		60	2	38					403	
	--	7.5	749	34	13	105	5	0	285	4	96	0	0.4	0.24	--	430	139
3-30-65				1.70	1.07	4.57	0.13		4.67	0.08	2.71						
				23	14	61	2		63	1	36					398	
4S/14W-16L 2 S	--	7.6	840	45	15	116	5	0	305	7	126	0.0	0.2	0.24	--	500	174
3-30-65				2.25	1.23	5.04	0.13		5.00	0.15	3.55						
				26	14	58	2		57	2	41					464	
4S/14W-16L 4 S	--	8.0	790	40	17	114	6	0	287	1	124	0.0	0.2	0.16	--	464	170
10-29-64				2.00	1.40	4.96	0.15		4.70	0.02	3.50						
				24	16	58	2		57		43					443	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivolents per million / percent reactonce value: Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / WEST COAST HYDRO SUBAREA U05A2																	
4S/14W-17D 1 S	--	8.2	8711	616	331	720	34	0	181	173	2960	0	--	--	--		2900
11-20-64				30.74	27.22	31.31	0.87		2.97	3.60	83.47						
				34	30	35	1		3	4	93					4923	
	--	8.0	9600	688	376	860	31	0	221	224	3400	0	--	--	--		3265
3-26-65				34.33	30.92	37.39	0.79		3.62	4.66	95.88						
				33	30	36	1		3	4	92					5688	
4S/14W-17D 2 S	--	8.2	32051	883	749	6280	76	0	231	1650	12000	0	--	--	--		5287
11-25-64				44.06	61.60	273.05	1.94		3.79	34.35	338.40						
				12	16	72	1		1	9	90					21752	
	--	8.0	31400	864	803	6500	68	0	224	1790	12500	0	--	--	--		5462
3-26-65				43.11	66.04	282.62	1.74		3.67	37.27	352.50						
				11	17	72			1	9	90					22635	
	--	7.9	1320	26	38	203	5	0	144	347	134	0	--	--	--		222
5- 6-65				1.30	3.13	8.83	0.13		2.36	7.22	3.78						
				10	23	66	1		18	54	28					824	
4S/14W-17D 3 S	--	7.5	12000	666	443	1100	40	0	166	255	3920	0	--	--	--		3486
4- 3-65				33.23	36.43	47.83	1.02		2.72	5.31	110.54						
				28	31	40	1		2	4	93					6506	
4S/14W-17D 4 S	--	8.3	21800	1110	595	3240	44	0	230	922	7860	0	--	--	--		5220
11-30-64				55.39	48.93	140.88	1.13		3.77	19.20	221.65						
				22	20	57			2	8	91					13884	
	--	8.0	21500	1220	592	3380	46	0	229	1010	8280	0	--	--	--		5483
3-25-65				60.88	48.69	146.96	1.18		3.75	21.03	233.50						
				24	19	57			1	8	90					14641	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W-17D 5 S	--	8.4	41300	552	1100	9000	124	0	183	2290	16300	0	--	--	--		5905
11-30-64				27.54	90.46	391.32	3.17		3.00	47.68	459.66						
				5	18	76	1		1	9	90					29456	
	--	8.1	40000	524	1120	8600	136	0	180	2310	15900	0	--	--	--		5918
3-26-65				26.15	92.11	373.93	3.48		2.95	48.09	448.38						
				5	19	75	1		1	10	90					28679	
4S/14W-17D 6 S	--	8.1	13400	1140	450	1150	18	0	109	650	4640	0	--	--	--		4699
11-30-64				56.89	37.01	50.00	0.46		1.79	13.53	130.85						
				39	26	35			1	9	90					8102	
	--	7.8	14100	1320	519	1240	20	0	169	778	5140	0	--	--	--		5432
3-26-65				65.87	42.68	53.92	0.51		2.77	16.20	144.95						
				40	26	33			2	10	88					9100	
4S/14W-17D 8 S	--	7.7	26200	692	747	5130	25	0	173	1460	10100	0	--	--	--		4802
3-29-65				34.53	61.43	223.05	0.64		2.84	30.40	284.82						
				11	19	70			1	10	90					18239	
4S/14W-17D10 S	--	7.9	16556	745	380	2600	56	0	241	807	5760	2	--	--	--		3424
11- 5-64				37.18	31.25	113.05	1.43		3.95	16.80	162.43	0.03					
				20	17	62	1		2	9	89					10468	
	--	8.2	20661	766	464	3600	68	0	228	1012	7380	6	--	--	--		3822
11- 5-64				38.22	38.16	156.53	1.74		3.74	21.07	208.12	0.10					
				16	16	67	1		2	9	89					13408	
4S/14W-17D12 S	--	7.8	14900	706	449	2000	40	0	192	646	5250	0	--	--	--		3611
3-10-65				35.23	36.93	86.96	1.02		3.15	13.45	148.05						
				22	23	54	1		2	8	90					9185	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / WEST COAST HYDRO SUBAREA U05A2				L A SAN GABRIEL RIVER HYDRO UNIT U0500													
4S/14W-17D13 S 3- 4-65	--	7.8	24400	624 31.14 11	609 50.08 18	4650 202.18 71	43 1.10	0	202 3.31 1	1350 28.11 10	9040 254.93 89	0	--	--	--	 16415	4064
4S/14W-17D14 S 3-30-65	--	7.8	23500	684 34.13 14	541 44.49 18	3960 172.18 69	20 0.51	0	210 3.44 1	1140 23.73 9	7960 224.47 89	0	--	--	--	 14408	3934
4S/14W-17E 3 S 11-23-64	--	8.4	9823	587 29.29 29	453 37.25 37	790 34.35 34	40 1.02 1	0	225 3.69 4	82 1.71 2	3420 96.44 95	0	--	--	--	 5483	3330
 5-10-65	--	8.1	10500	651 32.48 30	498 40.96 37	830 36.09 33	20 0.51	0	196 3.21 3	95 1.98 2	3720 104.90 95	0	--	--	--	 5910	3675
 6-15-65	--	8.2	10200	638 31.84 29	490 40.30 37	860 37.39 34	34 0.87 1	0	181 2.97 3	78 1.62 1	3760 106.03 96	0	--	--	--	 5949	3610
4S/14W-17E 4 S 11-23-64	--	8.1	32258	914 45.61 12	746 61.35 16	6200 269.58 71	176 4.50 1	0	230 3.77 1	1640 34.14 9	12200 344.04 90	0	--	--	--	 21989	5352
 5-10-65	--	8.2	32000	816 40.72 10	843 69.33 18	6380 277.40 71	78 1.99 1	0	226 3.70 1	1700 35.39 9	12500 352.50 90	0	--	--	--	 22428	5507
 6-15-65	--	8.2	31200	816 40.72 10	852 70.07 18	6500 282.62 72	63 1.61	0	228 3.74 1	1720 35.81 9	12600 355.32 90	0	--	--	--	 22663	5544

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value										Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3		Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																		
WEST COAST HYDRO SUBAREA — U05A2																		
4S/14W-17E 5 S	--	8.5	1792	127	51	142	11	0	276	0	446	0	--	--	--	--		527
11-23-64				6.34	4.19	6.17	0.28		4.52		12.58							
				37	25	36	2		26		74						913	
	--	7.9	4810	442	179	240	7	0	228	46	1510	0	--	--	--	--		1840
5-10-65				22.06	14.72	10.44	0.18		3.74	0.96	42.58							
				47	31	22			8	2	90						2536	
	--	8.0	5100	480	193	265	20	0	246	86	1610	0	--	--	--	--		1993
6-15-65				23.95	15.87	11.52	0.51		4.03	1.79	45.40							
				46	31	22	1		8	3	89						2775	
4S/14W-17E 8 S	--	7.9	7620	356	338	600	30	0	221	61	2410	0	--	--	--	--		2280
3-23-65				17.76	27.80	26.09	0.77		3.62	1.27	67.96							
				25	38	36	1		5	2	93						3904	
4S/14W-17E 9 S	--	7.8	20900	728	548	3560	46	0	264	971	7590	0	--	--	--	--		4073
3-15-65				36.33	45.07	154.79	1.18		4.33	20.22	214.04							
				15	19	65			2	8	90						13573	
4S/14W-17E11 S	--	7.6	22900	768	568	3640	56	0	257	934	7800	0	--	--	--	--		4255
4- 8-65				38.32	46.71	158.27	1.43		4.21	19.45	219.98							
				16	19	65	1		2	8	90						13892	
4S/14W-17F 1 S	--	8.5	5400	434	176	375	26	0	260	3	1720	0	--	--	--	--		1808
12- 3-64				21.66	14.47	16.31	0.66		4.26	0.06	48.50							
				41	27	31	1		8		92						2862	
	--	8.1	5100	399	172	364	24	0	271	2	1620	0	--	--	--	--		1704
5- 6-65				19.91	14.15	15.83	0.61		4.44	0.04	45.68							
				39	28	31	1		9		91						2714	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 WEST COAST HYDRO SUBAREA U05A2																	
4S/14W-17F 2 S	--	8.0	13400	766	455	1560	51	0	192	444	4680	0	--	--	--		3785
12- 3-64				38.22	37.42	67.83	1.30		3.15	9.24	131.98						
				26	26	47	1		2	6	91					8050	
	--	7.9	13800	768	458	1710	44	0	275	420	4880	0	--	--	--		3803
5- 6-65				38.32	37.67	74.35	1.13		4.51	8.74	137.62						
				25	25	49	1		3	6	91					8415	
4S/14W-17H 1 S	--	8.1	863	50	16	--	--	0	293	--	134	--	--	--	--		191
10- 5-64				2.50	1.32				4.80		3.78						
	--	7.4	810	42	17	120	6	--	282	16	131	0.0	0.4	0.29	--	474	175
10-27-64				2.10	1.40	5.22	0.15		4.62	0.33	3.69						
				24	16	59	2		53	4	43					471	
	72	8.3	822	45	15	104	5	0	290	2	121	0	--	--	--		174
1-11-65				2.25	1.23	4.52	0.13		4.75	0.04	3.41						
				28	15	56	2		58		42					435	
	75	8.2	893	56	17	103	5	0	287	1	143	0	--	--	--		210
3- 1-65				2.79	1.40	4.48	0.13		4.70	0.02	4.03						
				32	16	51	1		54		46					466	
	--	8.4	860	60	17	110	9	5	298	6	155	0.0	0.1	0.27	--	506	220
3-30-65				2.99	1.40	4.78	0.23	0.17	4.88	0.12	4.37						
				32	15	51	2	2	51	1	46					509	
	70	8.4	830	48	16	100	5	0	266	4	129	0	--	--	--		186
4- 7-65				2.40	1.32	4.35	0.13		4.36	0.08	3.64						
				29	16	53	2		54	1	45					433	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / WEST COAST HYDRO SUBAREA U05A2 / L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
4S/14W-17H 1 S	75	8.1	942	58	18	107	6	0	294	0	154	0	--	--	--		219
5-10-65				2.89	1.48	4.65	0.15		4.82		4.34						
				32	16	51	2		53		47					488	
	73	8.2	789	37	13	107	5	0	284	8	106	0	--	--	--		146
8- 2-65				1.85	1.07	4.65	0.13		4.65	0.17	2.99						
				24	14	60	2		60	2	38					416	
4S/14W-17H 2 S	--	8.2	775	46	15	106	5	0	276	8	119	0.0	0.1	0.25	--	482	177
10-27-64				2.30	1.23	4.61	0.13		4.52	0.17	3.36						
				28	15	56	2		56	2	42					435	
	61	8.3	750	35	15	107	4	0	289	7	100	0	--	--	--		149
2- 1-65				1.75	1.23	4.65	0.10		4.74	0.15	2.82						
				23	16	60	1		61	2	37					410	
	--	8.3	710	37	21	107	6	4	298	2	112	0.0	0.2	0.18	--	480	179
3-30-65				1.85	1.73	4.65	0.15	0.13	4.88	0.04	3.16						
				22	21	55	2	2	59		36					436	
	72	8.6	747	38	14	107	5	16	252	4	102	0	--	--	--		153
7- 7-65				1.90	1.15	4.65	0.13	0.53	4.13	0.08	2.88						
				24	15	59	2	7	54	1	38					410	
4S/14W-17M 3 S	--	8.3	20200	785	523	3250	68	0	266	844	7280	10	--	--	--		4112
6-22-65				39.17	43.01	141.31	1.74		4.36	17.57	205.30	0.16					
				17	19	63	1		2	8	90					12891	
4S/14W-17M 4 S	--	8.1	20900	794	542	3420	102	0	258	910	7610	10	--	--	--		4213
6-29-65				39.62	44.57	148.70	2.61		4.23	18.95	214.60	0.16					
				17	19	63	1		2	8	90					13515	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / WEST COAST HYDRO SUBAREA U05A2																	
4S/14W-17M 5 S	--	7.8	18200	759	486	3040	56	0	260	794	6720	6	--	--	--		3895
5- 4-65				37.87	39.97	132.18	1.43		4.26	16.53	189.50	0.10					
				18	19	63	1		2	8	90					11989	
4S/14W-17N 4 S	--	7.7	17200	801	563	2560	56	0	268	642	6440	0	--	--	--		4317
6-14-65				39.97	46.30	111.31	1.43		4.39	13.37	181.61						
				20	23	56	1		2	7	91					11194	
4S/14W-17N 5 S	--	7.8	17700	802	537	2840	56	0	264	728	6600	0	--	--	--		4212
6- 3-65				40.02	44.16	123.48	1.43		4.33	15.16	186.12						
				19	21	59	1		2	7	91					11693	
4S/14W-17N 6 S	--	8.2	16300	832	466	2300	41	0	278	506	5930	0	--	--	--		3995
7- 9-65				41.52	38.32	100.00	1.05		4.56	10.53	167.23						
				23	21	55	1		3	6	92					10212	
4S/14W-17P 1 S	--	8.2	2990	150	99	332	17	0	545	6	722	0	--	--	--		782
2-23-65				7.49	8.14	14.44	0.43		8.93	0.12	20.36						
				25	27	47	1		30		69					1594	
4S/14W-17P 2 S	--	8.3	1620	103	47	142	10	0	335	5	346	0	--	--	--		451
2-19-65				5.14	3.87	6.17	0.26		5.49	0.10	9.76						
				33	25	40	2		36	1	64					818	
	--	8.1	1890	132	60	152	11	0	330	2	461	0	--	--	--		576
6-15-65				6.59	4.93	6.61	0.28		5.41	0.04	13.00						
				36	27	36	2		29		70					980	
4S/14W-18A 1 S	--	8.3	26000	1110	765	4150	58	0	188	1130	9760	0	--	--	--		5920
12- 1-64				55.39	62.91	180.44	1.48		3.08	23.53	275.23						
				18	21	60			1	8	91					17065	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W-18A 2 S	--	8.4	36800	586	984	7640	164	0	208	1920	14200	0	--	--	--		5512
12- 1-64				29.24	80.92	332.19	4.19		3.41	39.97	400.44						
				7	18	74	1		1	9	90					25596	
4S/14W-18A 3 S	--	8.2	13300	968	373	1420	25	0	154	519	4530	3.7	--	--	--		3952
12- 1-64				48.30	30.68	61.74	0.64		2.52	10.81	127.75	0.06					
				34	22	44			2	8	91					7914	
4S/14W-18A 4 S	--	8.1	21800	992	650	3520	56	0	188	934	8360	0	--	--	--		5152
3-29-65				49.50	53.46	153.05	1.43		3.08	19.45	235.75						
				19	21	59	1		1	8	91					14604	
	--	8.1	21900	1000	665	3520	56	0	192	947	8360	0	--	--	--		5234
6-14-65				49.90	54.69	153.05	1.43		3.15	19.72	235.75						
				19	21	59	1		1	8	91					14642	
4S/14W-18A 5 S	--	7.9	38500	592	1080	8400	200	0	188	2170	15700	0	--	--	--		5923
3-29-65				29.54	88.82	365.23	5.11		3.08	45.18	442.74						
				6	18	75	1		1	9	90					28234	
	--	8.1	38800	597	1090	8600	224	0	188	2230	16000	0	--	--	--		5976
6-14-65				29.79	89.64	373.93	5.73		3.08	46.43	451.20						
				6	18	75	1		1	9	90					28833	
4S/14W-18A 6 S	--	7.8	10700	384	262	1760	13	0	183	556	3680	0	--	--	--		2037
3-29-65				19.16	21.55	76.52	0.33		3.00	11.58	103.78						
				16	18	65			3	10	88					6745	
4S/14W-18A 8 S	--	8.0	37600	616	1040	8000	200	0	195	2090	15100	0	--	--	--		5818
5-12-65				30.74	85.53	347.84	5.11		3.20	43.51	425.82						
				7	18	74	1		1	9	90					27142	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500 — WEST COAST HYDRO SUBAREA U05A2																	
4S/14W-18A 8 S	--	8.1	37300	622	1050	8200	212	0	195	2120	15400	0	--	--	--		5874
6-14-65				31.04	86.35	356.54	5.42		3.20	44.14	434.28						
				6	18	74	1		1	9	90					27700	
4S/14W-18A 9 S	--	8.2	3140	208	80	322	17	0	194	224	832	0	--	--	--		849
5-12-65				10.38	6.58	14.00	0.43		3.18	4.66	23.46						
				33	21	45	1		10	15	75					1778	
	--	8.3	4540	316	121	460	22	0	190	275	1320	0	--	--	--		1287
6-14-65				15.77	9.95	20.00	0.56		3.11	5.73	37.22						
				34	21	43	1		7	12	81					2607	
4S/14W-18B 1 S	--	8.2	37594	640	1005	7760	148	0	222	1930	14600	0	--	--	--		5734
11-20-64				31.94	82.65	337.40	3.78		3.64	40.18	411.72						
				7	18	74	1		1	9	90					26192	
	--	8.2	36500	624	1070	7840	160	0	217	2000	14900	0	--	--	--		5962
6-11-65				31.14	88.00	340.88	4.09		3.56	41.64	420.18						
				7	19	73	1		1	9	90					26701	
4S/14W-18F 1 S	--	8.4	39700	510	1100	8800	280	0	272	2230	16200	0	--	--	--		5800
12- 4-64				25.45	90.46	382.62	7.16		4.46	46.43	456.84						
				5	18	76	1		1	9	90					29254	
4S/14W-18H 1 S	--	8.2	25200	1010	850	4150	85	0	215	1100	9840	0	--	--	--		6020
12- 2-64				50.40	69.90	180.44	2.17		3.52	22.90	277.49						
				17	23	60	1		1	8	91					17141	
	--	8.0	26000	1020	854	4300	84	0	212	1110	10100	0	--	--	--		6061
5- 7-65				50.90	70.23	186.96	2.15		3.47	23.11	284.62						
				16	23	60	1		1	7	91					17572	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 WEST COAST HYDRO SUBAREA U05A2																	
4S/14W-18H 1 S	--	8.2	25400	1010	860	4300	185	0	211	1160	10200	0	--	--	--		6061
6-21-65				50.40	70.73	186.96	4.73		3.46	24.15	287.64						
				16	23	60	2		1	8	91					17819	
4S/14W-18H 2 S	--	8.2	12920	538	295	2000	45	0	206	728	4250	0	--	--	--		2558
11-25-64				26.85	24.26	86.96	1.15		3.38	15.16	119.85						
				19	17	62	1		2	11	87					7957	
	--	8.2	30500	705	795	6250	78	0	233	1670	11900	0	--	--	--		5032
12- 2-64				35.18	65.38	271.75	1.99		3.82	34.77	335.58						
				9	17	73	1		1	9	90					21513	
	--	8.1	30900	648	824	6250	63	0	230	1650	12000	0	--	--	--		5010
5- 7-65				32.34	67.77	271.75	1.61		3.77	34.35	338.40						
				9	18	73			1	9	90					21548	
	--	8.2	30700	646	825	6380	58	0	231	1670	12100	0	--	--	--		5009
6-16-65				32.24	67.85	277.40	1.48		3.79	34.77	341.22						
				9	18	73			1	9	90					21793	
4S/14W-18H 3 S	--	8.8	1370	88	32	143	10	0	326	5	288	0	--	--	--		351
12- 2-64				4.39	2.63	6.22	0.26		5.34	0.10	8.12						
				33	19	46	2		39	1	60					726	
	--	8.3	2620	197	75	220	13	0	314	33	706	0	--	--	--		801
5- 7-65				9.83	6.17	9.57	0.33		5.15	0.69	19.91						
				38	24	37	1		20	3	77					1398	
	--	8.3	3360	288	112	220	16	0	294	48	976	0	--	--	--		1180
6-16-65				14.37	9.21	9.57	0.41		4.82	1.00	27.52						
				43	27	29	1		14	3	83					1805	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W-18J 1 S	--	8.2	35000	674	951	7280	100	0	206	1901	13800	0	--	--	--		5596
12- 4-64				33.63	78.21	316.53	2.56		3.38	39.58	389.16						
				8	18	73	1		1	9	90					24807	
	--	8.2	33600	650	967	7300	185	0	210	1930	14000	0	--	--	--		5603
6-17-65				32.44	79.53	317.40	4.73		3.44	40.18	394.80						
				7	18	73	1		1	9	90					25135	
4S/14W-18K 1 S	--	8.1	36200	670	1040	7840	100	0	234	1970	14700	0	--	--	--		5953
12- 3-64				33.43	85.53	340.88	2.56		3.84	41.02	414.54						
				7	18	74	1		1	9	90					26435	
	--	8.2	35200	656	1030	7800	75	0	226	2010	14800	0	--	--	--		5877
6-17-65				32.73	84.71	339.14	1.92		3.70	41.85	417.36						
				7	18	74			1	9	90					26482	
4S/14W-18Q 1 S	--	8.2	29100	1230	918	4850	105	0	172	1161	11500	0	--	--	--		6849
12- 7-64				61.38	75.50	210.88	2.68		2.82	24.17	324.30						
				18	22	60	1		1	7	92					19849	
4S/14W-18Q 2 S	--	8.3	43800	506	1220	10000	270	0	140	2590	18200	0	--	--	--		6284
12- 7-64				25.25	100.33	434.80	6.90		2.29	53.92	513.24						
				4	18	77	1			9	90					32855	
4S/14W-18Q 3 S	--	8.4	26300	949	780	4500	93	0	316	918	10100	0	--	--	--		5580
12- 7-64				47.36	64.15	195.66	2.38		5.18	19.11	284.82						
				15	21	63	1		2	6	92					17495	
4S/14W-20G 1 S	--	8.3	13800	452	468	1960	40	0	523	37	4920	0	--	--	--		3054
3-30-65				22.55	38.49	85.22	1.02		8.57	0.77	138.74						
				15	26	58	1		6	1	94					8134	

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ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05AU — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
4S/14W-20G 2 S	--	8.0	4350	368	169	268	15	0	554	10	1250	0	--	--	--		1614
3-30-65				18.36	13.90	11.65	0.38		9.08	0.21	35.25						
				41	31	26	1		20		79					2352	
4S/14W-20G 4 S	--	8.1	6120	436	206	525	19	0	264	194	1940	0	--	--	--		1937
3-30-65				21.76	16.94	22.83	0.49		4.33	4.04	54.71						
				35	27	37	1		7	6	87					3450	
4S/14W-21N 1 S	67	7.8	980	63	34	110	8	0	422	1	135	3.0	0.2	0.24	--	638	297
10-27-64				3.14	2.80	4.78	0.20		6.92	0.02	3.81	0.05					
				29	26	44	2		64		35					562	
	--	8.1	985	65	40	103	12	0	446	8	137	2	0.1	0.24	--	604	327
3-31-65				3.24	3.29	4.48	0.31		7.31	0.17	3.86	0.03					
				29	29	40	3		64	1	34					587	
4S/14W-35F 2 S	71	7.9	900	56	24	112	5	0	359	2	126	0.0	0.2	0.24	--	568	238
10-29-64				2.79	1.97	4.87	0.13		5.88	0.04	3.55						
				29	20	50	1		62		37					502	
	--	8.0	860	42	32	114	9	0	355	7	130	0.0	0.4	0.27	--	524	237
4- 2-65				2.10	2.63	4.96	0.23		5.82	0.15	3.67						
				21	27	50	2		60	2	38					509	
5S/12W- 3F 1 S	--	7.8	1101	39	10	187	10	0	347	25	174	0.0	--	--	--		139
10- 2-64				1.95	0.82	8.13	0.26		5.69	0.52	4.91						
				17	7	73	2		51	5	44					616	
5S/12W- 3J 1 S	--	8.5	886	26	7	158	4	0	299	0	138	0.0	--	--	--		94
10- 6-64				1.30	0.58	6.87	0.10		4.90		3.89						
				15	7	78	1		56		44					480	

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ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT 00500																	
COASTAL PL OF LA CO HYDR SUBUNIT 005A0																	
WEST COAST HYDRO SUBAREA 005A2																	
5S/13W- 1A 1 S	--	8.6	3400	37	32	664	17	27	575	12	840	0	--	--	--		224
7-16-65				1.85	2.63	28.87	0.43	0.90	9.42	0.25	23.69						
				5	8	85	1	3	27	1	69					1912	
5S/13W- 2G 3 S	68	7.7	41000	470	1140	9200	260	0	228	2290	16700	0	--	--	--		5865
5-11-65				23.45	93.75	400.02	6.65		3.74	47.68	470.94						
				4	18	76	1		1	9	90					30172	
	68	7.6	40300	464	1100	8800	272	0	216	2190	16000	18	--	--	--		5685
8- 2-65				23.15	90.46	382.62	6.96		3.54	45.60	451.20	0.29					
				5	18	76	1		1	9	90					28950	
5S/13W- 2J 6 S	70	8.6	26600	328	694	5250	158	0	408	1300	9740	0	--	--	--		3675
8-30-65				16.37	57.07	228.27	4.04		6.69	27.07	274.67						
				5	19	75	1		2	9	89					17671	
5S/13W- 2K 8 S	66	7.5	27709	305	729	5325	180	0	395	1199	9810	4	1.3	1.90	--	18566	3762
7- 9-65				15.22	59.95	231.53	4.60		6.47	24.96	276.64	0.06					
				5	19	74	1		2	8	90					17749	
5S/13W- 4E 1 S	--	8.2	41700	1050	1370	9600	160	0	426	2420	18800	0	--	--	--		8260
6-25-65				52.40	112.67	417.41	4.09		6.98	50.38	530.16						
				9	19	71	1		1	9	90					33609	
5S/13W- 4E 2 S	--	8.3	9520	294	269	1470	28	0	442	84	3230	0	--	--	--		1841
6-25-65				14.67	22.12	63.92	0.72		7.24	1.75	91.09						
				14	22	63	1		7	2	91					5592	
5S/13W- 4M 1 S	67	7.6	38200	477	1136	9380	313	0	444	2168	16600	33	1.4	2.60	--	32312	5866
7- 9-65				23.80	93.42	407.84	8.00		7.28	45.14	473.76	0.53					
				4	18	77	2		1	9	90					30529	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 WEST COAST HYDRO SUBAREA U05A2																	
5S/13W- 4N 1 S	--	8.0	27600	345	713	5500	128	0	486	1290	10100	0	--	--	--		3796
8-30-65				17.22	58.64	239.14	3.27		7.97	26.86	284.62						
				5	18	75	1		2	8	89					18315	
5S/13W- 5C 1 S	--	8.5	1060	14	10	205	9	0	352	0	174	0	--	--	--		76
6-24-65				0.70	0.82	8.91	0.23		5.77		4.91						
				7	8	84	2		54		46					585	
5S/13W- 5C 2 S	--	8.0	36500	883	1110	8200	92	0	344	2020	15800	0	--	--	--		6773
6-24-65				44.06	91.29	356.54	2.35		5.64	42.06	445.56						
				9	18	72			1	9	90					26274	
5S/13W- 6B 1 S	--	8.6	2670	27	14	560	16	28	627	7	560	0	--	--	--		125
7-13-65				1.35	1.15	24.35	0.41	0.93	10.28	0.15	15.79						
				5	4	89	2	3	38	1	56					1520	
5S/13W- 6B 2 S	--	8.2	44600	480	1285	9800	280	0	339	2410	18200	0	--	--	--		6487
7-13-65				23.95	105.68	426.10	7.16		5.56	50.18	513.24						
				4	19	76	1		1	9	90					32622	
5S/13W- 6D 1 S	33	8.2	2390	30	16	--	--	0	548	--	572	--	--	--	--		141
10- 5-64				1.50	1.32				8.98		16.13						
	90	7.9	2350	37	15	470	6	0	518	1	546	4.0	0.8	1.64	--	1484	154
11- 2-64				1.85	1.23	20.44	0.15		8.49	0.02	15.40	0.06					
				8	5	86	1		35		64					1336	
	--	8.4	2400	31	17	470	12	0	558	13	516	0	--	--	--		148
11-30-64				1.55	1.40	20.44	0.31		9.15	0.27	14.55						
				7	6	86	1		38	1	61					1333	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivolents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
5S/13W- 6D 1 S	96	8.3	1950	27	17	384	11	0	507	21	396	0	--	--	--		138
1-12-65				1.35	1.40	16.70	0.28		8.31	0.44	11.17						
				7	7	85	1		42	2	56					1105	
	96	8.4	2020	32	16	420	12	0	525	27	416	0	--	--	--		146
2- 1-65				1.60	1.32	18.26	0.31		8.60	0.56	11.73						
				7	6	85	1		41	3	56					1181	
	--	8.0	2250	44	16	495	18	0	573	8	539	1	0.6	2.00	--	1376	176
4- 2-65				2.20	1.32	21.52	0.46		9.39	0.17	15.20	0.02					
				9	5	84	2		38	1	61					1405	
	88	8.2	2350	27	20	470	6	0	542	9	514	0	--	--	--		150
5-10-65				1.35	1.64	20.44	0.15		8.88	0.19	14.49						
				6	7	87	1		38	1	62					1313	
	--	7.8	2350	31	17	460	14	0	538	12	506	0	--	--	--		148
6- 2-65				1.55	1.40	20.00	0.36		8.82	0.25	14.27						
				7	6	86	2		38	1	61					1305	
	--	8.6	2280	30	17	460	14	27	480	13	490	0	--	--	--		145
7- 6-65				1.50	1.40	20.00	0.36	0.90	7.87	0.27	13.82						
				6	6	86	2	4	34	1	60					1287	
	88	8.1	2290	30	16	460	12	0	542	23	495	0	--	--	--		141
8- 3-65				1.50	1.32	20.00	0.31		8.88	0.48	13.96						
				6	6	86	1		38	2	60					1303	
5S/13W- 8P 1 S	--	8.1	53000	778	1589	12500	255	0	397	3280	22800	0	--	--	--		8482
7-12-65				38.82	130.68	543.50	6.52		6.51	68.29	642.96						
				5	18	76	1		1	10	90					41397	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
WEST COAST HYDRO SUBAREA U05A2																	
5S/13W- 9B 2 S	--	8.3	34200	408	912	7440	228	0	570	1620	13500	0	--	--	--		4772
7-12-65				20.36	75.00	323.49	5.83		9.34	33.73	380.70						
				5	18	76	1		2	8	90					24388	
5S/13W-10G 1 S	63	8.3	45000	440	1250	10250	300	0	247	2600	18300	0	--	--	--		6243
8-30-65				21.96	102.80	445.67	7.67		4.05	54.13	516.06						
				4	18	77	1		1	9	90					33261	
5S/13W-11C 6 S	66	8.4	46300	456	1280	10500	315	0	304	2610	19000	0	--	--	--		6406
8-30-65				22.75	105.27	456.54	8.05		4.98	54.34	535.80						
				4	18	77	1		1	9	90					34310	
5S/13W-11H 2 S	66	7.0	46361	566	1281	10000	264	0	369	2337	18350	8	1.9	3.30	--	34430	6685
7- 9-65				28.24	105.35	434.80	6.75		6.05	48.66	517.47	0.10					
				5	18	76	1		1	9	90					32991	
5S/13W-11H 3 S	67	6.8	43783	544	1200	9280	208	0	266	2225	17150	8	1.9	2.90	--	32327	6297
7- 9-65				27.15	98.69	403.49	5.32		4.36	46.32	483.63	0.13					
				5	18	75	1		1	9	90					30751	
	68	8.2	42700	540	1170	9400	180	0	317	2300	17200	0	--	--	--		6163
8-30-65				26.95	96.22	408.71	4.60		5.20	47.89	485.04						
				5	18	76	1		1	9	90					30946	
SANTA MONICA HYDRO SUBAREA U05A3																	
1S/15W-32A 5 S	--	7.9	967	85	42	57	2	0	256	163	81	1.3	0.6	0.12	--	665	385
9- 2-65				4.24	3.45	2.48	0.05		4.20	3.39	2.28	0.02					
				41	34	24			42	34	23					558	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500 — SANTA MONICA HYDRO SUBAREA U05A3																	
1S/16W-33H 1 S	--	7.3	4666	635	229	301	9	0	464	2031	453	0	1.2	0.25	--	4267	2528
6-14-65				31.69	18.83	13.09	0.23		7.60	42.29	12.77						
				50	29	21			12	67	20					3888	
1S/16W-33J 1 S	--	7.3	13106	794	478	1760	26	0	154	2825	3340	41	0.9	1.95	--	9870	3950
6-14-65				39.62	39.31	76.52	0.66		2.52	58.82	94.19	0.66					
				25	25	49			2	38	60					9343	
2S/14W-19C 1 S	--	8.4	984	73	28	--	--	0	374	--	74	--	--	--	--		297
10- 5-64				3.64	2.30				6.13		2.09						
	70	8.2	1087	78	30	112	10	0	395	116	96	0	--	--	--		318
12- 1-64				3.89	2.47	4.87	0.26		6.47	2.42	2.71						
				34	21	42	2		56	21	23					636	
	71	7.5	1050	73	31	107	11	0	392	106	89	0	--	--	--		310
3- 1-65				3.64	2.55	4.65	0.28		6.42	2.21	2.51						
				33	23	42	3		58	20	23					610	
	71	8.2	1060	75	30	110	9	0	402	106	88	0	0.5	--	--		311
6- 1-65				3.74	2.47	4.78	0.23		6.59	2.21	2.48						
				33	22	43	2		58	20	22					616	
	70	8.1	1020	75	30	115	8	0	421	100	86	0	--	--	--		311
9- 7-65				3.74	2.47	5.00	0.20		6.90	2.08	2.43						
				33	22	44	2		60	18	21					621	
2S/14W-19C 2 S	72	8.0	1266	82	35	142	11	0	424	118	138	5	--	--	--		349
11- 2-64				4.09	2.88	6.17	0.28		6.95	2.46	3.89	0.08					
				30	21	46	2		52	18	29	1				739	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SANTA MONICA HYDRO SUBAREA U05A3																	
2S/14W-19C 2 S	70	8.1	1280	94	43	128	7	0	422	139	144	0	--	--	--		412
1- 4-65				4.69	3.54	5.57	0.18		6.92	2.89	4.06						
				34	25	40	1		50	21	29					762	
	68	7.9	1250	101	38	115	6	0	400	146	132	0	0.5	--	--		409
4- 7-65				5.04	3.13	5.00	0.15		6.56	3.04	3.72						
				38	23	38	1		49	23	28					735	
2S/15W-11C 2 S	--	7.5	1240	111	51	74	3	0	311	341	59	0.0	0.2	0.12	--	916	487
1- 5-65				5.54	4.19	3.22	0.08		5.10	7.10	1.66						
				43	32	25	1		37	51	12					792	
2S/15W-11C 3 S	--	7.5	1140	106	54	69	3	0	311	271	65	0.0	0.2	0.14	--	832	487
1- 5-65				5.29	4.44	3.00	0.08		5.10	5.64	1.83						
				41	35	23	1		41	45	15					721	
2S/15W-11C 4 S	--	7.8	990	54	81	63	2	0	307	244	66	12.0	0.2	0.12	--	810	468
1- 5-65				2.69	6.66	2.74	0.05		5.03	5.08	1.86	0.19					
				22	55	23			41	42	15	2				673	
2S/15W-11C 9 S	--	8.2	990	98	35	64	2	0	309	164	66	10.0	0.2	0.12	--	660	389
1- 5-65				4.89	2.88	2.78	0.05		5.06	3.41	1.86	0.16					
				46	27	26			48	33	18	2				591	
2S/15W-11F 8 S	70	7.8	1200	112	46	86	2	0	328	221	110	0	--	--	--		469
2- 1-65				5.59	3.78	3.74	0.05		5.38	4.60	3.10						
				42	29	28			41	35	24					738	
	70	7.8	1200	112	46	86	2	0	328	221	110	0	--	--	--		469
2- 1-65				5.59	3.78	3.74	0.05		5.38	4.60	3.10						
				42	29	28			41	35	24					738	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SANTA MONICA HYDRO SUBAREA U05A3																	
2S/15W-11F 8 S	--	7.8	1100	78	37	109	6	0	363	161	91	0	0.5	--	--		347
4- 7-65				3.89	3.04	4.74	0.15		5.95	3.35	2.57						
				33	26	40	1		50	28	22					661	
	--	7.8	1100	78	37	109	6	0	363	161	91	0	0.5	--	--		347
4- 7-65				3.89	3.04	4.74	0.15		5.95	3.35	2.57						
				33	26	40	1		50	28	22					661	
	--	8.3	1229	69	37	147	10	0	397	154	113	0	--	--	--		324
7-12-65				3.44	3.04	6.39	0.26		6.51	3.21	3.19						
				26	23	49	2		50	25	25					725	
	--	8.3	1229	69	37	147	10	0	397	154	113	0	--	--	--		324
7-12-65				3.44	3.04	6.39	0.26		6.51	3.21	3.19						
				26	23	49	2		50	25	25					725	
	--	7.8	978	85	36	83	5	0	333	180	61	0	--	--	--		360
9- 2-65				4.24	2.96	3.61	0.13		5.46	3.75	1.72						
				39	27	33	1		50	34	16					614	
2S/15W-14C 1 S	--	7.8	960	74	63	63	2	0	312	187	90	6.0	0.2	0.18	--	764	444
1- 5-65				3.69	5.18	2.74	0.05		5.11	3.89	2.54	0.10					
				32	44	23			44	33	22	1				639	
2S/15W-14Q 2 S	--	8.2	1510	125	52	--	--	0	446	--	146	--	--	--	--		526
10- 5-64				6.24	4.28				7.31		4.12						
	66	7.9	1506	124	50	140	3	0	438	226	138	46	--	--	--		515
11- 2-64				6.19	4.11	6.09	0.08		7.18	4.71	3.89	0.74					
				38	25	37			43	29	24	4				942	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 SANTA MONICA HYDRO SUBAREA U05A3																	
2S/15W-14Q 2 S 12- 1-64	57	8.1	1492	124 6.19 39	50 4.11 26	124 5.39 34	3 0.08 1	0	448 7.34 47	221 4.60 29	135 3.81 24	0	--	--	--	877	515
1- 4-65	52	8.0	1440	118 5.89 37	55 4.52 28	130 5.65 35	2 0.05	0	448 7.34 46	211 4.39 27	130 3.67 23	45.2 0.73 5	--	--	--	911	521
2- 1-65	56	7.7	1490	127 6.34 38	51 4.19 25	136 5.91 36	2 0.05	0	453 7.42 45	221 4.60 28	132 3.72 23	46.5 0.75 5	--	--	--	938	527
3- 1-65	60	7.4	1500	126 6.29 39	51 4.19 26	124 5.39 34	8 0.20 1	0	439 7.20 45	219 4.56 28	133 3.75 23	39.0 0.63 4	--	--	--	916	524
4- 7-65	59	7.7	1470	126 6.29 39	52 4.28 27	126 5.48 34	2 0.05	0	444 7.28 45	218 4.54 28	133 3.75 23	41.6 0.67 4	0.4	--	--	917	529
5- 3-65	66	7.9	1490	128 6.39 38	52 4.28 26	136 5.91 35	3 0.08	0	449 7.36 45	218 4.54 28	135 3.81 23	48.0 0.77 5	0.5	--	--	941	534
6- 1-65	65	7.9	1530	128 6.39 39	52 4.28 26	133 5.78 35	3 0.08	0	450 7.38 44	225 4.68 28	138 3.89 23	40 0.65 4	0.5	--	--	941	534
7- 6-65	70	7.8	1450	127 6.34 38	51 4.19 25	140 6.09 37	2 0.05	0	454 7.44 45	226 4.71 29	130 3.67 22	42 0.68 4	--	--	--	941	527

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 80°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT 00500																	
COASTAL PL OF LA CO HYDR SUBUNIT 005A0 SANTA MONICA HYDRO SUBAREA 005A3																	
2S/15W-14Q 2 S	70	7.7	1490	128	52	135	3	0	455	226	136	45	--	--	--		534
8- 2-65				6.39	4.28	5.87	0.08		7.46	4.71	3.84	0.73					
				38	26	35			45	28	23	4				949	
	71	8.1	1470	126	54	128	2	0	458	220	135	43.0	--	--	--		537
9- 7-65				6.29	4.44	5.57	0.05		7.51	4.58	3.81	0.69					
				38	27	34			45	28	23	4				933	
2S/15W-20J 1 S	68	7.8	42400	376	1160	9550	385	0	186	2510	17200	0	--	--	--		5713
3- 4-65				18.76	95.40	415.23	9.84		3.05	52.26	485.04						
				3	18	77	2		1	10	90					31272	
2S/15W-22B 6 S	--	7.7	2900	299	129	310	6	0	427	750	387	335.0	0.1	0.67	--	2650	1278
10-23-64				14.92	10.61	13.48	0.15		7.00	15.62	10.91	5.40					
				38	27	34			18	40	28	14				2427	
	--	7.3	1801	133	59	200	5	0	465	329	148	66	0.6	0.32	--	1220	575
3-29-65				6.64	4.85	8.70	0.13		7.62	6.85	4.17	1.06					
				33	24	43	1		39	35	21	5				1170	
2S/15W-22B 8 S	68	7.8	1740	125	58	200	4	0	486	324	140	70	--	--	--		551
12-17-64				6.24	4.77	8.70	0.10		7.97	6.75	3.95	1.13					
				31	24	44	1		40	34	20	6				1160	
	69	7.8	1750	132	56	200	3	0	468	342	138	70	--	--	--		560
2- 1-65				6.59	4.61	8.70	0.08		7.67	7.12	3.89	1.13					
				33	23	44			39	36	20	6				1171	
	--	7.8	1730	133	57	189	3	0	481	332	138	70.0	--	--	--		567
9- 8-65				6.64	4.69	8.22	0.08		7.88	6.91	3.89	1.13					
				34	24	42			40	35	20	6				1159	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / SANTA MONICA HYDRO SUBAREA U05A3																	
2S/15W-22E 3 S	--	7.6	10100	576	306	1200	16	0	324	823	2960	0	--	--	--		2698
1-25-65				28.74	25.17	52.18	0.41		5.31	17.13	83.47						
				27	24	49			5	16	79					6040	
	69	7.1	7342	364	250	821	14	0	9	440	2280	6	0.4	0.26	--	5450	1938
6-29-65				18.16	20.56	35.70	0.36		0.15	9.16	64.30	0.10					
				24	27	48				12	87					4180	
2S/15W-22E 4 S	68	7.5	1960	72	73	210	3	0	86	183	473	0	0.3	0.19	--	1121	480
6-29-65				3.59	6.00	9.13	0.08		1.41	3.81	13.34						
				19	32	49			8	21	72					1057	
2S/15W-22E 5 S	--	7.8	3700	165	87	516	5	0	408	547	706	0	--	--	--		770
1-25-65				8.23	7.15	22.44	0.13		6.69	11.39	19.91						
				22	19	59			18	30	52					2227	
	69	7.3	3632	156	81	545	5	0	400	521	694	47	0.5	1.13	--	2263	723
6-29-65				7.78	6.66	23.70	0.13		6.56	10.85	19.57	0.76					
				20	17	62			17	29	52	2				2247	
2S/15W-22R 3 S	69	7.7	4400	327	208	425	8	0	716	373	1181	0.0	0.1	0.56	--	3318	1673
10- 2-64				16.32	17.11	18.48	0.20		11.74	7.77	33.30						
				31	33	35			22	15	63					2875	
	--	7.8	4670	316	192	400	8	0	785	351	1030	0	--	--	--		1579
1-22-65				15.77	15.79	17.39	0.20		12.87	7.31	29.05						
				32	32	35			26	15	59					2683	
	69	7.3	6285	465	293	569	9	0	866	601	1544	19	0.6	0.37	--	4660	2367
6-30-65				23.20	24.10	24.74	0.23		14.19	12.51	43.54	0.31					
				32	33	34			20	18	62					3927	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
SANTA MONICA HYDRO SUBAREA U05A3																	
2S/15W-23A 1 S	--	7.8	3900	267	97	495	5	0	354	275	1085	4.0	0.8	1.66	--	3058	1066
10-23-64				13.32	7.98	21.52	0.13		5.80	5.73	30.60	0.06					
				31	19	50			14	14	73					2404	
	--	7.6	4454	279	100	515	4	0	356	340	1083	72	0.9	1.50	--	2954	1108
3-29-65				13.92	8.22	22.39	0.10		5.83	7.08	30.54	1.16					
				31	18	50			13	16	68	3				2570	
2S/15W-23A 6 S	--	7.4	2650	212	83	350	9	0	333	420	642	0.0	0.4	0.82	--	2158	871
10-23-64				10.58	6.83	15.22	0.23		5.46	8.74	18.10						
				32	21	46	1		17	27	56					1881	
	--	7.2	3067	198	82	349	6	0	336	426	618	1.0	0.8	0.71	--	1978	832
3-29-65				9.88	6.74	15.17	0.15		5.51	8.87	17.43	0.02					
				31	21	47			17	28	55					1847	
2S/15W-23C 4 S	--	7.8	3000	363	112	325	6	0	453	882	493	82.0	0.4	0.70	--	2718	1367
10-23-64				18.11	9.21	14.13	0.15		7.42	18.36	13.90	1.32					
				44	22	34			18	45	34	3				2487	
	--	7.0	2512	200	91	244	3	0	457	522	293	77	0.6	0.39	--	1784	874
3-29-65				9.98	7.48	10.61	0.08		7.49	10.87	8.26	1.24					
				35	27	38			27	39	30	4				1656	
2S/15W-23C 5 S	68	8.1	2440	198	82	--	--	0	448	--	269	--	--	--	--		832
10- 5-64				9.88	6.74				7.34		7.59						
	66	8.0	4032	264	119	400	4	0	370	965	494	0	--	--	--		1149
12- 1-64				13.17	9.79	17.39	0.10		6.06	20.09	13.93						
				33	24	43			15	50	35					2428	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap. 180°C / Evap. 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SANTA MONICA HYDRO SUBAREA U05A3																	
2S/15W-23C 5 S	69	7.4	2990	243	102	314	1	0	437	678	352	180	--	--	--		1027
3- 1-65				12.13	8.39	13.65	0.03		7.16	14.12	9.93	2.90					
				35	25	40			21	41	29	9				2085	
	69	7.9	2800	230	93	240	3	0	455	630	316	50	0.5	--	--		957
6- 1-65				11.48	7.65	10.44	0.08		7.46	13.12	8.91	0.81					
				39	26	35			25	43	29	3				1786	
2S/15W-23J 4 S	--	7.5	3500	291	173	415	5	0	590	861	624	51.0	0.4	0.97	--	2878	1439
10-23-64				14.52	14.23	18.04	0.13		9.67	17.93	17.60	0.82					
				31	30	38			21	39	38	2				2711	
	--	7.5	3960	246	117	434	8	0	400	437	897	12	0.8	0.96	--	2640	1096
3-29-65				12.28	9.62	18.87	0.20		6.56	9.10	25.30	0.19					
				30	23	46			16	22	61					2349	
2S/15W-23N 1 S	68	8.3	10500	704	393	--	--	0	492	--	3220	--	--	--	--		3375
10- 5-64				35.13	32.32				8.06		90.80						
	--	7.4	12062	910	452	1500	14	0	487	972	4209	0.0	0.1	1.25	--	8000	4132
10-23-64				45.41	37.17	65.22	0.36		7.98	20.24	118.69						
				31	25	44			5	14	81					8298	
	63	7.7	12400	811	443	1440	13	0	481	1054	3930	0	--	--	--		3848
11- 2-64				40.47	36.43	62.61	0.33		7.88	21.94	110.83						
				29	26	45			6	16	79					7928	
	68	7.8	11792	730	436	1400	15	0	482	996	3710	0	--	--	--		3617
12- 1-64				36.43	35.86	60.87	0.38		7.90	20.74	104.62						
				27	27	46			6	16	79					7524	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05AU				L A SAN GABRIEL RIVER HYDRO UNIT U0500													
SANTA MONICA HYDRO SUBAREA U05A3																	
2S/15W-23N 1 S																	
1- 4-65	58	7.7	8170	468	363	890	8	0	630	851	2300	20	--	--	--		2602
				23.35	29.85	38.70	0.20		10.33	17.72	64.86	0.32					
				25	32	42			11	19	70					5210	
2- 1-65	59	7.6	10700	689	392	1240	11	0	523	1010	3220	0	--	--	--		3334
				34.38	32.24	53.92	0.28		8.57	21.03	90.80						
				28	27	45			7	17	75					6819	
3- 1-65	65	7.4	14400	904	542	1710	47	0	482	1100	4800	0	--	--	--		4488
				45.11	44.57	74.35	1.20		7.90	22.90	135.36						
				27	27	45	1		5	14	81					9340	
3-29-65	--	7.3	14410	931	550	1800	16	0	494	1039	4940	10	0.8	1.10	--	11405	4588
				46.46	45.23	78.26	0.41		8.10	21.63	139.31	0.16					
				27	27	46			5	13	82					9531	
4- 7-65	64	7.5	5000	342	188	515	4	0	712	724	1010	41.6	--	--	--		1628
				17.07	15.46	22.39	0.10		11.67	15.07	28.48	0.67					
				31	28	41			21	27	51	1				3175	
5- 3-65	70	7.5	7360	488	280	770	7	0	547	761	1990	8.0	0.9	--	--		2371
				24.35	23.03	33.48	0.18		8.97	15.84	56.12	0.13					
				30	28	41			11	20	69					4574	
6- 1-65	62	7.7	8720	510	303	1000	10	0	519	869	2400	0	--	--	--		2521
				25.45	24.92	43.48	0.26		8.51	18.09	67.68						
				27	26	46			9	19	72					5347	
7- 6-65	67	7.4	7130	425	255	880	11	0	527	851	1900	0	--	--	--		2111
				21.21	20.97	38.26	0.28		8.64	17.72	53.58						
				26	26	47			11	22	67					4581	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SANTA MONICA HYDRO SUBAREA U05A3																	
2S/15W-23N 1 S	67	7.6	7150	436	252	850	9	0	547	830	1900	0	--	--	--		2126
8- 2-65				21.76	20.72	36.96	0.23		8.97	17.28	53.58						
				27	26	46			11	22	67					4546	
	68	7.9	10100	626	357	1200	11	0	506	922	3060	0	--	--	--		3032
9- 7-65				31.24	29.36	52.18	0.28		8.29	19.20	86.29						
				28	26	46			7	17	76					6425	
2S/15W-27L 1 S	65	8.0	2400	94	63	360	18	0	563	5	575	4.0	0.1	0.53	--	1392	494
10- 1-64				4.69	5.18	15.65	0.46		9.23	0.10	16.22	0.06					
				18	20	60	2		36		63					1396	
	--	8.1	2460	85	66	318	17	0	573	7	521	0	--	--	--		484
1-19-65				4.24	5.43	13.83	0.43		9.39	0.15	14.69						
				18	23	58	2		39	1	61					1296	
	67	7.5	3750	115	97	531	18	0	557	32	945	31	0.4	0.31	--	2080	687
6-30-65				5.74	7.98	23.09	0.46		9.13	0.67	26.65	0.50					
				15	21	62	1		25	2	72	1				2044	
2S/15W-27L 2 S	66	7.8	5400	99	109	980	48	0	537	91	706	0.0	0.1	0.34	--	3348	696
10- 1-64				4.94	8.96	42.61	1.23		8.80	1.89	19.91						
				9	16	74	2		29	6	65					2297	
	67	7.5	20907	154	485	4483	168	0	665	616	7790	56	1.0	0.80	--	15000	2380
6-29-65				7.68	39.89	194.92	4.30		10.90	12.83	219.68	0.90					
				3	16	79	2		4	5	90					14081	
2S/15W-28Q 1 S	--	8.7	17800	136	444	3320	114	0	780	897	5670	0	--	--	--		2167
1-19-65				6.79	36.51	144.35	2.91		12.78	18.68	159.89						
				4	19	76	2		7	10	84					10965	

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ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
CENTRAL HYDRO SUBAREA U05A5																	
2S/11W-18C 2 S	69	7.7	1030	98	20	94	4	0	163	262	90	12	--	--	--		327
8- 9-65				4.89	1.64	4.09	0.10		2.67	5.45	2.54	0.19					
				46	15	38	1		25	50	23	2				660	
2S/11W-18Q 1 S	63	7.8	998	106	22	82	5	0	192	246	81	5	0.3	--	--		355
8- 4-65				5.29	1.81	3.57	0.13		3.15	5.12	2.28	0.08					
				49	17	33	1		30	48	21	1				642	
2S/11W-19F 2 S	64	7.8	922	114	23	56	4	0	190	229	74	6	0.4	--	--		379
8- 4-65				5.69	1.89	2.43	0.10		3.11	4.77	2.09	0.10					
				56	19	24	1		31	47	21	1				600	
2S/11W-19L 1 S	--	7.9	980	98	28	75	4	0	191	299	82	9.0	0.4	0.09	--	662	360
10-27-64				4.89	2.30	3.26	0.10		3.13	6.23	2.31	0.15					
				46	22	31	1		26	53	20	1				689	
	66	7.7	1091	97	22	90	4	0	151	254	92	3	0.6	0.11	--	721	333
4- 1-65				4.84	1.81	3.91	0.10		2.47	5.29	2.59	0.05					
				45	17	37	1		24	51	25					637	
	64	7.8	952	102	22	76	4	0	175	236	80	4	0.5	--	--		345
8- 2-65				5.09	1.81	3.30	0.10		2.87	4.91	2.26	0.06					
				49	18	32	1		28	49	22	1				611	
2S/11W-19M 1 S	63	7.8	886	100	22	63	4	0	176	214	74	3	0.5	--	--		340
8- 2-65				4.99	1.81	2.74	0.10		2.88	4.46	2.09	0.05					
				52	19	28	1		30	47	22	1				567	
2S/11W-19M 4 S	63	7.9	971	99	21	84	4	0	156	251	86	3	--	--	--		334
8- 3-65				4.94	1.73	3.65	0.10		2.56	5.23	2.43	0.05					
				47	17	35	1		25	51	24					625	

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ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
CENTRAL HYDRO SUBAREA U05A5																	
2S/11W-30Q 1 S	--	7.7	1120	150	29	57	3	0	305	236	78	15	0.2	0.21	--	790	494
2- 9-65				7.49	2.38	2.48	0.08		5.00	4.91	2.20	0.24					
				60	19	20	1		40	40	18	2				718	
	--	7.6	1135	--	--	--	--	--	--	240	70	21	--	--	--		
7-20-65										5.00	1.97	0.34					
	--	7.6	1179	152	36	61	4	0	339	251	69	20	0.5	0.18	--	822	527
9-29-65				7.58	2.96	2.65	0.10		5.56	5.23	1.95	0.32					
				57	22	20	1		43	40	15	2				760	
2S/12W- 1R 2 S	--	7.9	980	85	22	101	4	0	199	211	97	0.0	0.2	0.14	--	641	303
10-27-64				4.24	1.81	4.39	0.10		3.26	4.39	2.74						
				40	17	42	1		31	42	26					618	
	--	8.0	1000	74	26	103	6	0	209	191	99	3	0.4	0.24	--	640	292
4- 1-65				3.69	2.14	4.48	0.15		3.43	3.98	2.79	0.05					
				35	20	43	1		33	39	27					605	
	78	8.2	1250	72	24	170	4	0	141	349	123	0	--	--	--		278
8- 9-65				3.59	1.97	7.39	0.10		2.31	7.27	3.47						
				28	15	57	1		18	56	27					811	
2S/12W- 9M 2 S	77	8.1	866	59	20	94	3	0	270	50	120	0	--	--	--		229
8- 9-65				2.94	1.64	4.09	0.08		4.43	1.04	3.38						
				34	19	47	1		50	12	38					479	
2S/12W-10J 1 S	--	8.0	570	48	13	51	3	0	266	17	41	0.0	0.2	0.24	--	340	174
2- 9-65				2.40	1.07	2.22	0.08		4.36	0.35	1.16						
				42	19	38	1		74	6	20					304	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5																	L A SAN GABRIEL RIVER HYDRO UNIT U0500
2S/12W-10J 1 S	--	7.7	565	55	11	49	3	0	240	36	43	1	0.3	0.21	--	337	182
9-29-65				2.74	0.90	2.13	0.08		3.93	0.75	1.21	0.02					
				47	15	36	1		66	13	20					317	
2S/12W-12E 2 S	--	7.5	804	--	--	--	--	--	--	153	61	2	--	--	--		
7-20-65										3.19	1.72	0.03					
2S/12W-12E 6 S	--	7.8	800	72	30	52	4	0	228	131	64	0.0	0.2	0.14	--	512	303
2- 9-65				3.59	2.47	2.26	0.10		3.74	2.73	1.80						
				43	29	27	1		45	33	22					465	
2S/12W-12M 2 S	70	8.0	844	98	18	60	4	0	224	162	69	0	--	--	--		319
8- 9-65				4.89	1.48	2.61	0.10		3.67	3.37	1.95						
				54	16	29	1		41	37	22					521	
	--	7.6	664	61	11	65	3	0	226	92	43	3	0.4	0.19	--	405	197
9-29-65				3.04	0.90	2.83	0.08		3.70	1.92	1.21	0.05					
				44	13	41	1		54	28	18	1				390	
2S/12W-13D 7 S	--	7.9	970	76	36	78	4	0	205	210	80	8.0	0.2	0.14	--	642	338
10-27-64				3.79	2.96	3.39	0.10		3.36	4.37	2.26	0.13					
				37	29	33	1		33	43	22	1				593	
	--	7.9	980	103	22	82	4	0	192	230	85	7	0.2	0.11	--	660	348
4- 2-65				5.14	1.81	3.57	0.10		3.15	4.79	2.40	0.11					
				48	17	34	1		30	46	23	1				628	
	--	7.3	978	--	--	--	--	--	--	217	82	7	--	--	--		
7-20-65										4.52	2.31	0.11					

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — CENTRAL HYDRO SUBAREA U05A5 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
2S/12W-13D 7 S	81	7.9	990	99	22	85	4	0	190	233	86	7	--	--	--		338
8- 9-65				4.94	1.81	3.70	0.10		3.11	4.85	2.43	0.11					
				47	17	35	1		30	46	23	1				629	
2S/12W-13M 2 S	66	8.3	914	109	19	65	4	0	204	206	75	8	--	--	--		350
8-10-65				5.44	1.56	2.83	0.10		3.34	4.29	2.12	0.13					
				55	16	28	1		34	43	21	1				586	
2S/12W-13M 3 S	64	8.3	1020	100	21	90	5	0	157	263	91	9	--	--	--		336
8-10-65				4.99	1.73	3.91	0.13		2.57	5.48	2.57	0.15					
				46	16	36	1		24	51	24	1				656	
2S/12W-13M 4 S	63	8.3	1000	98	21	90	4	0	161	256	88	8	--	--	--		331
8-10-65				4.89	1.73	3.91	0.10		2.64	5.33	2.48	0.13					
				46	16	37	1		25	50	23	1				644	
2S/12W-14B 2 S	--	7.6	1020	100	23	85	5	0	202	219	92	7	0.2	0.14	--	630	344
2- 9-65				4.99	1.89	3.70	0.13		3.31	4.56	2.59	0.11					
				47	18	35	1		31	43	25	1				631	
2S/12W-14B 8 S	69	7.9	1050	91	23	100	5	0	166	260	94	10	--	--	--		322
8-10-65				4.54	1.89	4.35	0.13		2.72	5.41	2.65	0.16					
				42	17	40	1		25	49	24	1				665	
	--	7.5	998	103	22	76	5	0	195	223	84	7	0.4	0.16	--	660	348
9-29-65				5.14	1.81	3.30	0.13		3.20	4.64	2.37	0.11					
				50	17	32	1		31	45	23	1				616	
2S/12W-19C 1 S	75	8.5	616	56	16	52	3	0	223	72	45	0	--	--	--		206
8-30-65				2.79	1.32	2.26	0.08		3.65	1.50	1.27						
				43	20	35	1		57	23	20					354	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 CENTRAL HYDRO SUBAREA U05A5																	
2S/12W-21B 5 S	--	8.2	720	70	40	50	3	0	197	177	67	3.0	0.2	0.24	--	526	339
2- 9-65				3.49	3.29	2.17	0.08		3.23	3.69	1.89	0.05					
				39	36	24	1		36	42	21	1				507	
	--	7.6	824	--	--	--	--	--	--	186	63	2	--	--	--		
7-20-65										3.87	1.78	0.03					
	--	7.5	846	96	22	49	3	0	186	183	66	3	0.4	0.18	--	540	330
9-29-65				4.79	1.81	2.13	0.08		3.05	3.81	1.86	0.05					
				54	21	24	1		35	43	21	1				514	
2S/12W-21J 1 S	73	8.0	828	102	18	54	3	0	187	185	66	3	0.3	--	--		329
8- 2-65				5.09	1.48	2.35	0.08		3.06	3.85	1.86	0.05					
				57	16	26	1		35	44	21	1				523	
2S/12W-22J 1 S	66	7.9	1020	103	21	95	5	0	165	266	90	9	0.5	--	--		344
8- 3-65				5.14	1.73	4.13	0.13		2.70	5.54	2.54	0.15					
				46	16	37	1		25	51	23	1				671	
2S/12W-23B 4 S	64	8.2	844	96	18	60	4	0	187	188	70	7	--	--	--		314
8- 3-65				4.79	1.48	2.61	0.10		3.06	3.91	1.97	0.11					
				53	16	29	1		34	43	22	1				535	
2S/12W-24E 6 S	--	8.0	830	123	27	58	4	0	227	223	78	9.0	0.2	0.17	--	666	418
2- 9-65				6.14	2.22	2.52	0.10		3.72	4.64	2.20	0.15					
				56	20	23	1		35	43	21	1				634	
	--	7.3	952	--	--	--	--	--	--	213	72	11	--	--	--		
7-20-65										4.43	2.03	0.18					

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A∪ — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
CENTRAL HYDRO SUBAREA — U05A5																	
2S/12W-24E 6 S	--	7.4	948	118	25	47	5	0	215	210	69	12	0.4	0.14	--	648	398
9-29-65				5.89	2.06	2.04	0.13		3.52	4.37	1.95	0.19					
				58	20	20	1		35	44	19	2				592	
2S/12W-25E10 S	--	7.8	850	111	22	65	4	0	166	247	82	4.0	1.0	0.14	--	644	368
2- 9-65				5.54	1.81	2.83	0.10		2.72	5.14	2.31	0.06					
				54	18	28	1		27	50	23	1				618	
	--	7.4	954	--	--	--	--	--	--	243	79	4	--	--	--		
7-20-65										5.06	2.23	0.06					
2S/12W-25E 6 S	63	8.1	929	110	23	59	5	0	162	243	76	2	0.4	--	--		369
8- 2-65				5.49	1.89	2.57	0.13		2.66	5.06	2.14	0.03					
				54	19	25	1		27	51	22					598	
2S/12W-25E10 S	63	7.8	949	106	22	68	5	0	156	249	80	2	0.4	--	--		355
8- 3-65				5.29	1.81	2.96	0.13		2.56	5.18	2.26	0.03					
				52	18	29	1		26	52	23					609	
	--	7.4	945	108	23	62	4	0	157	246	80	5	0.6	0.12	--	640	364
9-29-65				5.39	1.89	2.70	0.10		2.57	5.12	2.26	0.08					
				53	19	27	1		26	51	23	1				606	
2S/12W-25G 1 S	65	7.7	949	100	21	78	5	0	156	250	80	2	0.4	--	--		336
8- 2-65				4.99	1.73	3.39	0.13		2.56	5.21	2.26	0.03					
				49	17	33	1		25	52	22					613	
2S/12W-25M 1 S	63	8.1	880	110	23	45	4	0	166	223	70	3	0.2	--	--		369
8- 2-65				5.49	1.89	1.96	0.10		2.72	4.64	1.97	0.05					
				58	20	21	1		29	49	21	1				560	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactonce value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 CENTRAL HYDRO SUBAREA U05A5																	
2S/12W-25P 7 S	--	7.4	931	100	22	65	4	0	194	215	69	50	0.6	0.10	25	653	340
10-27-64				4.99	1.81	2.83	0.10		3.18	4.48	1.95	0.08					
				51	19	29	1		33	46	20	1				601	
	--	8.2	990	58	49	73	5	0	173	229	85	6	0.2	0.20	--	714	346
4- 1-65				2.89	4.03	3.17	0.13		2.84	4.77	2.40	0.10					
				28	39	31	1		28	47	24	1				590	
2S/12W-25Q 5 S	--	7.7	542	--	--	--	--	--	--	61	19	5	--	--	--		
7-20-65										1.27	0.54	0.08					
	66	8.4	539	66	14	30	2	0	236	63	17	6.0	--	--	--		222
8-11-65				3.29	1.15	1.30	0.05		3.87	1.31	0.48	0.10					
				57	20	22	1		67	23	8	2				314	
	--	7.8	543	66	14	30	3	0	236	64	18	5	0.4	0.07	--	310	222
9-29-65				3.29	1.15	1.30	0.08		3.87	1.33	0.51	0.08					
				57	20	22	1		67	23	9	1				316	
2S/12W-26E 3 S	--	7.8	880	102	29	60	4	0	201	223	77	13.0	0.2	0.14	--	620	374
2- 9-65				5.09	2.38	2.61	0.10		3.29	4.64	2.17	0.21					
				50	23	26	1		32	45	21	2				607	
	--	7.5	930	--	--	--	--	--	--	205	73	14	--	--	--		
7-20-65										4.27	2.06	0.23					
	--	7.9	942	102	23	64	5	0	196	207	74	14	0.5	0.13	--	615	349
9-29-65				5.09	1.89	2.78	0.13		3.21	4.31	2.09	0.23					
				51	19	28	1		33	44	21	2				586	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
CENTRAL HYDRO SUBAREA U05A5																	
2S/12W-27C 1 S	65	8.1	942	97	19	86	5	0	172	232	80	10	0.5	--	--		320
8- 2-65				4.84	1.56	3.74	0.13		2.82	4.83	2.26	0.16					
				47	15	36	1		28	48	22	2				614	
2S/12W-27G 5 S	70	7.9	830	102	19	53	4	0	168	199	68	6	0.5	--	--		333
8- 2-65				5.09	1.56	2.30	0.10		2.75	4.14	1.92	0.10					
				56	17	25	1		31	46	22	1				534	
2S/12W-28A 4 S	--	8.1	1060	45	18	200	5	0	157	322	113	1.0	0.2	0.22	--	770	187
2- 9-65				2.25	1.48	8.70	0.13		2.57	6.70	3.19	0.02					
				18	12	69	1		21	54	26					782	
	--	7.5	1009	--	--	--	--	--	--	252	87	1	--	--	--		
7-20-65										5.25	2.45	0.02					
	--	7.8	1170	67	20	153	5	0	150	297	108	1	0.5	0.18	--	740	249
9-29-65				3.34	1.64	6.65	0.13		2.46	6.18	3.05	0.02					
				28	14	57	1		21	53	26					725	
2S/12W-29A 4 S	64	8.0	759	94	19	44	3	0	218	141	54	8	0.4	--	--		313
8- 2-65				4.69	1.56	1.91	0.08		3.57	2.94	1.52	0.13					
				57	19	23	1		44	36	19	2				471	
2S/12W-30H 2 S	--	7.9	720	75	18	47	3	0	214	115	50	4.0	0.2	0.02	--	442	261
11- 2-64				3.74	1.48	2.04	0.08		3.51	2.39	1.41	0.06					
				51	20	28	1		48	32	19	1				417	
	--	7.7	690	83	16	47	3	0	220	112	50	4	0.2	0.12	--	458	273
4- 1-65				4.14	1.32	2.04	0.08		3.61	2.33	1.41	0.06					
				55	17	27	1		49	31	19	1				423	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
2S/12W-31M 2 S	70	8.5	638	69	18	41	2	0	258	68	39	0	--	--	--		246
8-30-65				3.44	1.48	1.78	0.05		4.23	1.42	1.10						
				51	22	26	1		63	21	16					364	
2S/12W-34P 1 S	--	8.0	780	102	21	33	4	0	227	145	45	9.0	0.4	0.02	--	456	341
11- 2-64				5.09	1.73	1.43	0.10		3.72	3.02	1.27	0.15					
				61	21	17	1		46	37	16	2				471	
	65	7.8	781	102	20	29	4	0	230	140	46	10	0.5	0.07	--	471	337
3-27-65				5.09	1.64	1.26	0.10		3.77	2.91	1.30	0.16					
				63	20	16	1		46	36	16	2				465	
2S/12W-34R 1 S	68	8.1	643	82	17	32	4	0	222	109	33	5	0.4	--	--		275
8- 3-65				4.09	1.40	1.39	0.10		3.64	2.27	0.93	0.08					
				59	20	20	1		53	33	13	1				392	
2S/12W-35D 2 S	--	7.9	770	105	26	38	4	0	173	216	67	4.0	0.4	0.24	--	596	369
2- 9-65				5.24	2.14	1.65	0.10		2.84	4.50	1.89	0.06					
				57	23	18	1		31	48	20	1				546	
	--	7.4	862	--	--	--	--	--	--	207	66	5	--	--	--		
7-20-65										4.31	1.86	0.08					
	65	8.0	860	109	22	44	4	0	170	217	66	5	0.5	--	--		363
8- 3-65				5.44	1.81	1.91	0.10		2.79	4.52	1.86	0.08					
				59	20	21	1		30	49	20	1				551	
	--	7.4	877	112	25	37	4	0	192	201	63	8	0.6	0.10	--	590	383
9-29-65				5.59	2.06	1.61	0.10		3.15	4.18	1.78	0.13					
				60	22	17	1		34	45	19	1				545	

TABLE E-I

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5				L A SAN GABRIEL RIVER HYDRO UNIT U0500													
2S/12W-36P 1 S	68	8.0	984	109	23	70	4	0	158	263	85	7.0	--	--	--		367
8-11-65				5.44	1.89	3.04	0.10		2.59	5.48	2.40	0.11					
				52	18	29	1		24	52	23	1				639	
2S/13W-10P 6 S	66	7.6	689	71	20	48	4	0	242	103	35	8	0.5	0.15	--	430	259
6-17-65				3.54	1.64	2.09	0.10		3.97	2.14	0.99	0.13					
				48	22	28	1		55	30	14	2				409	
2S/13W-10Q 5 S	64	7.7	703	73	20	50	4	0	246	107	39	3	0.6	0.20	--	430	264
6-17-65				3.64	1.64	2.17	0.10		4.03	2.23	1.10	0.05					
				48	22	29	1		54	30	15	1				418	
2S/13W-12C 1 S	71	7.9	601	60	17	48	4	0	242	81	28	0	0.6	0.18	--	460	220
6-17-65				2.99	1.40	2.09	0.10		3.97	1.69	0.79						
				45	21	32	2		62	26	12					358	
2S/13W-12K 1 S	68	7.8	320	6	4	51	3	0	56	0	68	1	0.6	0.08	--	100	32
7-15-65				0.30	0.33	2.22	0.08		0.92		1.92	0.02					
				10	11	76	3		32		67	1				161	
2S/13W-15N 3 S	65	7.7	633	67	17	45	3	0	237	97	26	2	0.5	0.16	--	375	237
6-17-65				3.34	1.40	1.96	0.08		3.88	2.02	0.73	0.03					
				49	21	29	1		58	30	11					374	
2S/13W-25H 3 S	72	7.7	563	54	13	48	3	0	222	67	29	0	0.5	0.14	--	340	188
6-17-65				2.69	1.07	2.09	0.08		3.64	1.39	0.82						
				45	18	35	1		62	24	14					324	
2S/13W-28H 1 S	63	7.6	781	84	22	51	4	0	244	122	53	10	0.6	0.15	--	490	300
6-17-65				4.19	1.81	2.22	0.10		4.00	2.54	1.49	0.16					
				50	22	27	1		49	31	18	2				467	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — CENTRAL HYDRO SUBAREA U05A5 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
2S/13W-32R11 S	69	8.0	577	62	12	41	3	0	226	75	25	0.8	0.4	0.08	--	323	204
7- 6-65				3.09	0.99	1.78	0.08		3.70	1.56	0.71	0.01					
				52	17	30	1		62	26	12					330	
2S/14W- 5D 8 S	--	8.0	1110	74	38	120	4	0	428	113	99	0	--	--	--		341
1-21-65				3.69	3.13	5.22	0.10		7.01	2.35	2.79						
				30	26	43	1		58	19	23					658	
	71	7.9	1180	82	43	115	4	0	422	144	100	0	--	--	--		382
4- 7-65				4.09	3.54	5.00	0.10		6.92	3.00	2.82						
				32	28	39	1		54	24	22					695	
2S/14W-14C 2 S	--	8.0	644	70	16	45	4	0	249	89	30	6.0	0.7	0.13	24	390	241
11- 2-64				3.49	1.32	1.96	0.10		4.08	1.85	0.85	0.10					
				51	19	29	1		59	27	12	1				407	
	--	8.0	730	69	24	52	4	0	264	98	41	10	0.2	0.18	--	420	271
4- 1-65				3.44	1.97	2.26	0.10		4.33	2.04	1.16	0.16					
				44	25	29	1		56	27	15	2				428	
2S/14W-22P 2 S	--	7.7	674	68	15	54	4	0	256	83	40	2.0	0.4	0.14	30	405	231
11- 2-64				3.39	1.23	2.35	0.10		4.20	1.73	1.13	0.03					
				46	17	33	1		59	24	16					422	
2S/14W-23H 3 S	--	7.9	755	83	22	48	4	0	266	108	50	11.0	0.6	0.13	25	505	298
11- 2-64				4.14	1.81	2.09	0.10		4.36	2.25	1.41	0.18					
				51	22	26	1		53	27	17	2				482	
2S/14W-23H12 S	--	8.2	675	74	18	44	4	0	246	90	35	13.0	0.6	0.13	24	435	259
11- 2-64				3.69	1.48	1.91	0.10		4.03	1.87	0.99	0.21					
				51	21	27	1		57	26	14	3				424	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
CENTRAL HYDRO SUBAREA U05A5																	
2S/14W-23H12 S	--	8.2	620	68	16	45	3	0	252	79	35	5	0.4	0.16	--	400	236
4- 7-65				3.39	1.32	1.96	0.08		4.13	1.64	0.99	0.08					
				50	20	29	1		60	24	14	1				375	
3S/11W- 6K 4 S	75	8.4	1630	178	58	110	4	0	470	258	195	0	--	--	--		683
8-16-65				8.88	4.77	4.78	0.10		7.70	5.37	5.50						
				48	26	26	1		41	29	30					1034	
3S/11W-20J 6 S	--	7.9	387	37	12	28	3	0	205	20	15	0	0.5	0.06	--	230	142
8-12-65				1.85	0.99	1.22	0.08		3.36	0.42	0.42						
				45	24	29	2		80	10	10					216	
3S/11W-20R 7 S	--	7.9	653	81	18	35	3	0	303	53	36	0	.0.5	0.07	--	398	276
8-12-65				4.04	1.48	1.52	0.08		4.97	1.10	1.02						
				57	21	21	1		70	16	14					375	
3S/11W-27G 1 S	--	8.0	450	8	1	93	2	0	177	54	18	0.0	0.6	0.05	--	286	24
10-27-64				0.40	0.08	4.04	0.05		2.90	1.12	0.51						
				9	2	88	1		64	25	11					264	
	--	8.0	1180	129	28	98	3	0	305	220	122	0.0	0.2	0.24	--	780	437
4- 1-65				6.44	2.30	4.26	0.08		5.00	4.58	3.44						
				49	18	33	1		38	35	26					750	
3S/11W-28P 5 S	--	8.1	570	47	18	50	2	0	228	59	39	0.0	0.4	0.05	--	340	192
10-27-64				2.35	1.48	2.17	0.05		3.74	1.23	1.10						
				39	24	36	1		62	20	18					328	
	--	7.7	550	56	11	51	3	0	217	58	39	0	0.4	0.12	--	338	185
4- 1-65				2.79	0.90	2.22	0.08		3.56	1.21	1.10						
				47	15	37	1		61	21	19					325	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
3S/11W-29H 1 S	--	8.0	442	47	10	36	2	0	222	18	25	1	0.4	0.06	--	250	159
6-16-65				2.35	0.82	1.57	0.05		3.64	0.37	0.71	0.02					
				49	17	33	1		77	8	15					249	
3S/11W-30H 4 S	--	7.8	1225	91	35	119	6	0	142	338	116	1	0.6	0.15	--	814	371
8-12-65				4.54	2.88	5.17	0.15		2.33	7.04	3.27	0.02					
				36	23	41	1		18	56	26					777	
3S/11W-30M 3 S	--	8.0	1310	76	20	174	6	0	164	276	166	19	--	--	--		272
6-23-65				3.79	1.64	7.57	0.15		2.69	5.75	4.68	0.31					
				29	12	58	1		20	43	35	2				818	
3S/11W-30P 2 S	68	8.1	497	62	14	24	3	0	247	43	17	0	0.5	0.05	--	310	212
6-16-65				3.09	1.15	1.04	0.08		4.05	0.90	0.48						
				58	21	19	1		75	17	9					285	
3S/12W- 1F 6 S	64	8.1	942	114	24	58	4	0	185	230	78	6	--	--	--		383
8- 9-65				5.69	1.97	2.52	0.10		3.03	4.79	2.20	0.10					
				55	19	25	1		30	47	22	1				605	
3S/12W- 1K 1 S	--	8.0	990	85	47	47	4	0	287	163	66	15	0.2	0.21	--	662	406
2- 9-65				4.24	3.87	2.04	0.10		4.70	3.39	1.86	0.24					
				41	38	20	1		46	33	18	2				569	
	--	7.4	951	--	--	--	--	--	--	189	64	12	--	--	--		
7-20-65										3.93	1.80	0.19					
	--	7.4	977	127	29	42	4	0	261	201	66	9	0.4	0.12	--	648	436
9-29-65				6.34	2.38	1.83	0.10		4.28	4.18	1.92	0.15					
				60	22	17	1		41	40	18	1				609	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05AU / CENTRAL HYDRO SUBAREA U05A5 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
3S/12W- 2H 4 S	64	8.1	784	98	20	44	3	0	192	175	55	5	0.3	--	--		327
8- 4-65				4.89	1.64	1.91	0.08		3.15	3.64	1.55	0.08					
				57	19	22	1		37	43	18	1				495	
3S/12W- 3M 1 S	72	7.9	1050	97	28	95	5	0	168	281	91	5	0.6	--	--		357
8- 2-65				4.84	2.30	4.13	0.13		2.75	5.85	2.57	0.08					
				42	20	36	1		24	52	23	1				685	
3S/12W- 5D 3 S	--	7.2	1589	211	47	60	4	0	278	252	238	35	0.6	0.24	--	1275	721
8-12-65				10.53	3.87	2.61	0.10		4.56	5.25	6.71	0.56					
				62	23	15	1		27	31	39	3				984	
3S/12W- 5M 1 S	66	8.3	710	96	18	33	3	0	24	120	36	11	--	--	--		314
8- 2-65				4.79	1.48	1.43	0.08		0.39	2.50	1.02	0.18					
				62	19	18	1		10	61	25	4				329	
3S/12W- 8F 1 S	--	7.8	550	47	18	49	3	0	239	54	67	6.0	0.8	0.17	--	360	192
10-27-64				2.35	1.48	2.13	0.08		3.92	1.12	1.89	0.10					
				39	25	35	1		56	16	27	1				362	
	--	8.2	550	46	23	39	3	0	261	37	24	6	0.2	0.11	--	300	210
4- 1-65				2.30	1.89	1.70	0.08		4.28	0.77	0.68	0.10					
				39	32	28	1		73	13	12	2				307	
3S/12W-11B 4 S	63	8.0	836	109	22	40	4	0	202	189	60	5	0.5	--	--		363
8- 4-65				5.44	1.81	1.74	0.10		3.31	3.93	1.69	0.08					
				60	20	19	1		37	44	19	1				529	
3S/12W-11E 1 S	--	7.8	670	49	36	32	4	0	240	91	40	7	0.2	0.09	--	466	271
2- 9-65				2.45	2.96	1.39	0.10		3.93	1.89	1.13	0.11					
				36	43	20	1		56	27	16	2				377	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5																L A SAN GABRIEL RIVER HYDRO UNIT U0500	
3S/12W-11E 1 S 7-20-65	--	7.6	739	-- -- --	-- -- --	-- -- --	-- -- --	--	-- -- --	135 2.81 38	38 1.07 15	8 0.13 2	--	--	--		
9-29-65	--	7.4	744	96 4.79 60	22 1.81 22	31 1.35 17	4 0.10 1	0	232 3.80 48	140 2.91 36	41 1.16 15	8 0.13 2	0.5	0.08	--	477 457	330
3S/12W-11F11 S 8- 4-65	63	7.9	735	97 4.84 60	20 1.64 20	33 1.43 18	4 0.10 1	0	232 3.80 48	140 2.91 37	40 1.13 14	8 0.13 2	0.4	--	--	456	324
3S/12W-14C 6 S 8- 4-65	66	8.1	708	94 4.69 60	19 1.56 20	32 1.39 18	5 0.13 2	0	231 3.79 49	130 2.71 35	39 1.10 14	8 0.13 2	0.4	--	--	441	313
3S/12W-19N 4 S 7-14-65	68	7.9	550	59 2.94 50	12 0.99 17	42 1.83 31	3 0.08 1	0	229 3.75 65	68 1.42 24	22 0.62 11	1 0.02	0.7	0.12	--	350 320	197
3S/12W-25K 1 S 10-27-64	--	8.2	450	48 2.40 48	18 1.48 29	25 1.09 22	3 0.08 2	0	267 4.38 88	12 0.25 5	13 0.37 7	0.0	0.2	0.05	--	272 250	194
3S/12W-33A 1 S 10-30-64	--	7.9	408	54 2.69 62	9 0.74 17	19 0.83 19	2 0.05 1	0	240 3.93 88	13 0.27 6	8 0.23 5	1.0 0.02	0.6	0.06	26	245 251	172
4- 1-65	64	7.9	428	54 2.69 61	9 0.74 17	22 0.96 22	2 0.05 1	0	239 3.92 87	16 0.33 7	10 0.28 6	0	0.6	0.05	--	269 231	172

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
3S/12W-35B 4 S 6-16-65	--	7.7	559	77 3.84 63	14 1.15 19	24 1.04 17	3 0.08 1	0	273 4.47 74	46 0.96 16	22 0.62 10	0	0.5	0.05	--	335 321	250
3S/12W-35R 1 S 4- 1-65	--	8.1	480	49 2.45 48	18 1.48 29	26 1.13 22	3 0.08 2	0	270 4.43 87	12 0.25 5	15 0.42 8	0.0	0.2	0.13	--	276 256	197
3S/13W-11E 1 S 8-30-65	66	8.3	500	36 1.80 36	11 0.90 18	51 2.22 45	2 0.05 1	0	176 2.88 57	58 1.21 24	34 0.96 19	0	--	--	--	 279	135
3S/13W-12Q11 S 8-30-65	77	8.4	668	66 3.29 46	16 1.32 18	58 2.52 35	3 0.08 1	0	220 3.61 50	114 2.37 33	42 1.18 16	0	--	--	--	 407	231
3S/13W-25G 2 S 8-30-65	72	8.3	826	97 4.84 54	21 1.73 19	55 2.39 26	3 0.08 1	0	273 4.47 50	144 3.00 33	53 1.49 17	0	--	--	--	 507	329
3S/13W-34H 2 S 10-30-64	--	7.8	700	71 3.54 48	10 0.82 11	66 2.87 39	3 0.08 1	0	205 3.36 47	66 1.37 19	87 2.45 34	0.0	0.2	0.05	--	402 404	218
4S/11W- 5M 2 S 8- 2-65	--	8.2	415	45 2.25 49	9 0.74 16	35 1.52 33	2 0.05 1	0	232 3.80 84	20 0.42 9	11 0.31 7	1 0.02	0.6	0.06	--	260 238	150
4S/11W- 8M 2 S 7- 8-65	--	8.0	463	46 2.30 48	8 0.66 14	40 1.74 37	2 0.05 1	0	220 3.61 74	39 0.81 17	16 0.45 9	1.0 0.02	0.6	0.04	--	209 261	148

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5																	
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
4S/12W- 1D 5 S 7- 8-65	--	7.6	1724	246 12.28 67	46 3.78 21	51 2.22 12	4 0.10 1	0	498 8.16 45	224 4.66 25	192 5.41 30	3 0.05	0.5	0.11	--	1102 1011	804
4S/12W- 1F 3 S 7- 8-65	--	7.9	453	60 2.99 63	9 0.74 16	22 0.96 20	3 0.08 2	0	248 4.06 85	20 0.42 9	11 0.31 6	0	0.5	0.04	--	235 247	187
4S/12W- 2A 5 S 6-16-65	--	8.2	504	66 3.29 59	13 1.07 19	25 1.09 20	3 0.08 1	0	263 4.31 79	26 0.54 10	22 0.62 11	1 0.02	0.5	0.06	--	305 286	218
4S/12W- 6D 1 S 11- 4-64	--	8.5	447	45 2.25	4 0.33	42 1.83	3 0.08	5 0.17	172 2.82	40 0.83	23 0.65	--	--	--	16	300	129
12- 1-64	--	8.0	430	48 2.40	5 0.41	50 2.17	3 0.08	0	185 3.03	37 0.77	27 0.76	--	--	--	22	310	141
12-30-64	--	8.0	537	62 3.09	6 0.49	50 2.17	4 0.10	0	216 3.54	33 0.69	33 0.93	--	--	--	21	316	179
2- 2-65	--	8.2	543	46 2.30	5 0.41	51 2.22	3 0.08	0	215 3.52	33 0.69	32 0.90	--	--	--	16	320	136
3- 2-65	--	8.2	454	45 2.25	4 0.33	47 2.04	3 0.08	0	182 2.98	41 0.85	24 0.68	--	--	--	17	335	129

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05AU CENTRAL HYDRO SUBAREA U05A5																	
4S/12W- 6D 1 S 3-30-65	--	8.5	465	44 2.20	5 0.41	49 2.13	3 0.08	4 0.13	184 3.02	27 0.56	23 0.65	--	--	--	22	298	131
5- 4-65	--	8.1	433	28 1.40	7 0.58	52 2.26	3 0.08	0	188 3.08	26 0.54	25 0.71	--	--	--	22	282	99
6- 1-65	--	8.0	478	43 2.15	7 0.58	50 2.17	3 0.08	0	193 3.16	29 0.60	25 0.71	--	--	--	21	306	137
6-29-65	--	8.2	484	42 2.10	6 0.49	47 2.04	3 0.08	0	193 3.16	29 0.60	25 0.71	--	--	--	22	317	130
4S/12W- 6D 3 S 11- 4-64	--	8.3	382	32 1.60	3 0.25	42 1.83	2 0.05	0	165 2.70	28 0.58	19 0.54	--	--	--	18	250	93
12- 1-64	--	7.9	520	61 3.04	6 0.49	48 2.09	3 0.08	0	212 3.47	44 0.92	35 0.99	--	--	--	22	354	177
12-30-64	--	8.2	482	50 2.50	4 0.33	46 2.00	3 0.08	0	189 3.10	33 0.69	25 0.71	--	--	--	23	292	142
2- 2-65	--	8.2	467	43 2.15	4 0.33	50 2.17	3 0.08	0	187 3.06	30 0.62	27 0.76	--	--	--	17	286	124

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
CENTRAL HYDRO SUBAREA U05A5																	
4S/12W- 6D 3 S	--	8.4	387	49	4	41	3	7	159	20	19	--	--	--	21		139
3- 2-65				2.45	0.33	1.78	0.08	0.23	2.61	0.42	0.54						
	--	8.5	400	34	3	40	3	4	167	21	19	--	--	--	21		98
3-30-65				1.70	0.25	1.74	0.08	0.13	2.74	0.44	0.54					214	
	--	8.2	365	31	2	42	2	0	162	21	21	--	--	--	21		86
5- 4-65				1.55	0.16	1.83	0.05		2.66	0.44	0.59					233	
	--	8.1	393	31	6	50	2	0	165	29	20	--	--	--	20		102
6- 1-65				1.55	0.49	2.17	0.05		2.70	0.60	0.56					243	
	--	8.2	413	30	3	48	2	0	162	19	18	--	--	--	21		88
6-29-65				1.50	0.25	2.09	0.05		2.66	0.40	0.51					251	
	81	8.3	395	32	4	49	3	0	166	--	--	--	--	--	19		97
8-31-65				1.60	0.33	2.13	0.08		2.72								
	78	8.3	404	32	3	54	4	1	168	37	19	--	--	--	21		93
9-28-65				1.60	0.25	2.35	0.10	0.03	2.75	0.77	0.54						
4S/12W- 6J 1 S	--	8.6	386	10	1	71	1	9	161	0	31	--	--	--	19		29
6- 1-65				0.50	0.08	3.09	0.03	0.30	2.64		0.87					249	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5				L A SAN GABRIEL RIVER HYDRO UNIT U0500													
4S/12W- 6J 2 S 11- 4-64	--	8.6	354	14 0.70	1 0.08	60 2.61	1 0.03	5 0.17	165 2.70	11 0.23	21 0.59	--	--	--	16	250	39
12- 1-64	--	8.6	357	13 0.65	1 0.08	67 2.91	1 0.03	7 0.23	160 2.62	4 0.08	28 0.79	--	--	--	20	248	37
12-29-64	--	8.6	367	13 0.65	1 0.08	66 2.87	2 0.05	6 0.20	166 2.72	1 0.02	26 0.73	--	--	--	19	201	37
2- 2-65	--	8.7	378	14 0.70	1 0.08	69 3.00	1 0.03	7 0.23	162 2.66	2 0.04	28 0.79	--	--	--	15	228	39
3- 2-65	--	8.7	373	13 0.65	1 0.08	70 3.04	2 0.05	7 0.23	165 2.70	2 0.04	27 0.76	--	--	--	19	270	37
3-30-65	--	8.9	400	12 0.60	1 0.08	80 3.48	1 0.03	16 0.53	163 2.67	2 0.04	25 0.71	--	--	--	19	208	34
4S/12W- 6K 2 S 5- 4-65	--	8.5	348	12 0.60	2 0.16	61 2.65	1 0.03	5 0.17	149 2.44	21 0.44	23 0.65	--	--	--	19	223	38
6- 1-65	--	8.5	353	14 0.70	2 0.16	60 2.61	2 0.05	5 0.17	151 2.47	4 0.08	20 0.56	--	--	--	19	230	43

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5																	
4S/12W- 6K 2 S	--	8.6	376	14	3	61	1	5	153	11	19	--	--	--	19		48
6-29-65				0.70	0.25	2.65	0.03	0.17	2.51	0.23	0.54					240	
	--	8.5	2900	15	3	63	1	5	165	10	20	0	--	--	18		50
7-27-65				0.75	0.25	2.74	0.03	0.17	2.70	0.21	0.56					245	
				20	7	73	1	5	74	6	15					216	
	81	8.8	356	14	2	65	2	7	151	--	--	--	--	--	17		43
8-31-65				0.70	0.16	2.83	0.05	0.23	2.47								
	79	8.6	359	13	2	68	3	8	144	14	21	--	--	--	18		41
9-28-65				0.65	0.16	2.96	0.08	0.27	2.36	0.29	0.59						
4S/12W-10A 2 S	--	7.8	392	50	7	23	3	0	222	13	10	1.0	0.5	0.07	25	235	154
10-30-64				2.50	0.58	1.00	0.08		3.64	0.27	0.28	0.02					
				60	14	24	2		86	6	7					242	
	65	8.0	404	49	7	23	3	0	222	12	13	0.8	0.5	0.04	--	235	152
4- 1-65				2.45	0.58	1.00	0.08		3.64	0.25	0.37	0.01					
				60	14	24	2		85	6	9					217	
4S/12W-10G 1 S	--	7.9	420	45	6	35	3	0	209	18	19	0.0	0.2	0.02	--	244	137
10-30-64				2.25	0.49	1.52	0.08		3.43	0.37	0.54						
				52	11	35	2		79	9	12					229	
	--	8.0	400	48	6	35	4	0	209	16	24	0	0.2	0.11	--	272	145
4- 1-65				2.40	0.49	1.52	0.10		3.43	0.33	0.68						
				53	11	34	2		77	7	15					236	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value										Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3		Fluoride F	Boron B	Silica SiO_2	IDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5				L A SAN GABRIEL RIVER HYDRO UNIT U0500														
4S/12W-12Q 1 S	--	7.7	435	62	8	23	3	0	259	13	9	0		0.5	0.05	--	215	188
6-16-65				3.09	0.66	1.00	0.08		4.25	0.27	0.25							
				64	14	21	2		89	6	5						246	
4S/12W-13C 3 S	--	8.1	380	47	4	28	3	0	199	13	6	--		--	--	24		134
6-29-65				2.35	0.33	1.22	0.08		3.26	0.27	0.17						275	
4S/12W-13D 3 S	--	8.0	2780	46	6	30	3	0	209	14	7	--		--	--	21		140
7-27-65				2.30	0.49	1.30	0.08		3.43	0.29	0.20						243	
	79	8.2	370	42	9	30	4	0	207	--	--	--		--	--	20		142
8-31-65				2.10	0.74	1.30	0.10		3.39									
	78	8.2	370	46	5	31	4	0	210	14	6	--		--	--	22		136
9-28-65				2.30	0.41	1.35	0.10		3.44	0.29	0.17							
4S/12W-13N 2 S	--	8.9	384	23	2	56	2	8	155	22	17	--		--	--	21		66
5- 4-65				1.15	0.16	2.43	0.05	0.27	2.54	0.46	0.48						245	
	--	8.4	409	23	3	58	2	2	168	17	12	--		--	--	20		70
6-29-65				1.15	0.25	2.52	0.05	0.07	2.75	0.35	0.34						254	
	--	8.4	2610	22	4	58	2	5	165	14	14	--		--	--	19		72
7-27-65				1.10	0.33	2.52	0.05	0.17	2.70	0.29	0.39						264	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
4S/12W-13N 2 S	79	8.6	385	23	6	63	3	5	165	--	--	--	--	--	18		82
8-31-65				1.15	0.49	2.74	0.08	0.17	2.70								
4S/12W-13P 1 S	--	8.3	398	46	6	33	2	0	198	30	13	5	--	--	--		140
6- 9-65				2.30	0.49	1.43	0.05		3.25	0.62	0.37	0.08					
				54	11	33	1		75	14	9	2				232	
	--	8.5	618	48	10	68	4	0	198	40	75	0	--	--	--		161
7-28-65				2.40	0.82	2.96	0.10		3.25	0.83	2.12						
				38	13	47	2		52	13	34					342	
4S/12W-14A 2 S	--	7.9	380	47	5	25	3	0	194	25	8	--	--	--	23		138
3- 2-65				2.35	0.41	1.09	0.08		3.18	0.52	0.23					268	
	--	8.3	360	51	5	22	3	0	201	14	6	--	--	--	21		148
3-30-65				2.54	0.41	0.96	0.08		3.29	0.29	0.17					203	
	--	8.0	364	41	7	24	3	0	195	14	12	--	--	--	10		132
5- 4-65				2.05	0.58	1.04	0.08		3.20	0.29	0.34					200	
	--	7.9	381	47	8	27	3	0	193	15	9	--	--	--	20		151
6- 1-65				2.35	0.66	1.17	0.08		3.16	0.31	0.25					243	
	--	8.0	420	48	6	25	3	0	196	16	8	--	--	--	21		145
6-29-65				2.40	0.49	1.09	0.08		3.21	0.33	0.23					253	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5				L A SAN GABRIEL RIVER HYDRO UNIT U0500													
4S/12W-14C 2 S	--	8.9	330	8	1	66	1	17	129	1	24	--	--	--	16		24
5- 4-65				0.40	0.08	2.87	0.03	0.57	2.11	0.02	0.68					252	
	--	8.8	319	7	0	64	1	12	130	0	20	--	--	--	18		18
6- 1-65				0.35		2.78	0.03	0.40	2.13		0.56					218	
	--	8.9	320	6	1	62	1	8	139	5	19	--	--	--	19		19
6-29-65				0.30	0.08	2.70	0.03	0.27	2.28	0.10	0.54					219	
	--	9.0	3200	7	2	68	1	13	134	15	20	--	--	--	18		26
7-27-65				0.35	0.16	2.96	0.03	0.43	2.20	0.31	0.56					234	
	79	8.9	327	6	1	69	2	12	135	--	--	--	--	--	17		19
8-31-65				0.30	0.08	3.00	0.05	0.40	2.21								
	79	9.0	325	3	1	72	2	14	132	8	20	--	--	--	18		12
9-28-65				0.15	0.08	3.13	0.05	0.47	2.16	0.17	0.56						
4S/12W-14C 5 S	--	8.3	288	22	3	37	2	0	148	17	7	--	--	--	16		68
11- 4-64				1.10	0.25	1.61	0.05		2.43	0.35	0.20					205	
	--	8.2	295	34	4	34	2	0	162	14	11	--	--	--	20		102
12- 1-64				1.70	0.33	1.48	0.05		2.66	0.29	0.31					224	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
4S/12W-14C 5 S	--	8.1	320	32	4	32	3	0	168	8	7	--	--	--	21		97
12-29-64				1.60	0.33	1.39	0.08		2.75	0.17	0.20					187	
	--	8.2	327	36	3	31	2	0	168	4	7	--	--	--	16		103
2- 2-65				1.80	0.25	1.35	0.05		2.75	0.08	0.20					190	
	--	8.1	327	33	4	31	3	0	168	13	7	--	--	--	21		99
3- 2-65				1.65	0.33	1.35	0.08		2.75	0.27	0.20					223	
	--	8.4	313	34	4	36	3	3	167	10	5	--	--	--	20		102
3-30-65				1.70	0.33	1.57	0.08	0.10	2.74	0.21	0.14					177	
4S/12W-16R 1 S	--	8.4	288	21	2	38	2	2	154	13	8	--	--	--	16		61
11- 4-64				1.05	0.16	1.65	0.05	0.07	2.52	0.27	0.23					242	
	--	8.4	285	23	2	45	2	4	148	4	13	--	--	--	19		66
12- 1-64				1.15	0.16	1.96	0.05	0.13	2.43	0.08	0.37					214	
	--	8.4	308	18	2	44	2	5	145	13	11	--	--	--	20		53
3- 2-65				0.90	0.16	1.91	0.05	0.17	2.38	0.27	0.31					220	
	--	8.8	313	20	3	41	2	8	145	6	10	--	--	--	18		63
3-30-65				1.00	0.25	1.78	0.05	0.27	2.38	0.12	0.28					172	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
CENTRAL HYDRO SUBAREA U05A5																	
4S/12W-17E 1 S	--	8.7	356	10	1	66	1	6	171	5	20	--	--	--	18		29
6-29-65				0.50	0.08	2.87	0.03	0.20	2.80	0.10	0.56					250	
	--	8.7	2750	10	2	72	1	10	170	5	23	--	--	--	18		33
7-27-65				0.50	0.16	3.13	0.03	0.33	2.79	0.10	0.65					259	
	81	8.8	365	10	0	78	2	8	175	--	--	--	--	--	16		25
8-31-65				0.50		3.39	0.05	0.27	2.87								
4S/12W-17P 3 S	--	--	325	12	1	62	1	8	138	6	24	--	--	--	18		34
5- 4-65				0.60	0.08	2.70	0.03	0.27	2.26	0.12	0.68					202	
	--	8.5	327	12	1	57	1	7	145	0	24	--	--	--	17		34
6- 1-65				0.60	0.08	2.48	0.03	0.23	2.38		0.68					206	
4S/12W-19A 1 S	--	8.4	718	34	6	107	1	0	162	12	139	0	--	--	--		110
1- 5-65				1.70	0.49	4.65	0.03		2.66	0.25	3.92						
				25	7	68			39	4	57					379	
4S/12W-19B 4 S	--	8.4	733	33	6	110	1	0	164	10	144	0	--	--	--		107
1- 5-65				1.65	0.49	4.78	0.03		2.69	0.21	4.06						
				24	7	69			39	3	58					385	
4S/12W-20J 4 S	--	8.8	369	8	1	75	1	7	192	10	18	--	--	--	16		24
11- 4-64				0.40	0.08	3.26	0.03	0.23	3.15	0.21	0.51					305	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5									L A SAN GABRIEL RIVER HYDRO UNIT U0500								
4S/12W-20J 4 S	--	8.6	375	9	1	78	1	6	193	4	22	--	--	--	18		27
12- 1-64				0.45	0.08	3.39	0.03	0.20	3.16	0.08	0.62					282	
	--	8.6	397	9	2	79	2	7	199	4	18	--	--	--	18		31
12-29-64				0.45	0.16	3.43	0.05	0.23	3.26	0.08	0.51					229	
	--	8.7	371	8	2	71	1	8	164	4	20	--	--	--	14		28
2- 2-65				0.40	0.16	3.09	0.03	0.27	2.69	0.08	0.56					232	
	--	8.7	367	9	1	73	2	8	179	3	18	--	--	--	19		27
3- 2-65				0.45	0.08	3.17	0.05	0.27	2.93	0.06	0.51					268	
	--	8.9	374	9	1	72	1	14	150	8	17	--	--	--	17		27
3-30-65				0.45	0.08	3.13	0.03	0.47	2.46	0.17	0.48					196	
	--	8.6	382	9	0	72	1	7	187	7	20	--	--	--	11		23
5- 4-65				0.45		3.13	0.03	0.23	3.06	0.15	0.56					252	
	--	8.8	381	8	1	80	1	10	179	2	24	--	--	--	17		24
6- 1-65				0.40	0.08	3.48	0.03	0.33	2.93	0.04	0.68					270	
	--	8.6	393	8	1	71	1	5	194	1	18	--	--	--	18		24
6-29-65				0.40	0.08	3.09	0.03	0.17	3.18	0.02	0.51					270	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
CENTRAL HYDRO SUBAREA U05A5																	
4S/12W-20J 4 S 8-31-65	81	8.8	394	8 0.40	3 0.25	72 3.13	2 0.05	10 0.33	211 3.46	--	--	--	--	--	16		33
9-28-65	79	8.7	398	8 0.40	1 0.08	90 3.91	3 0.08	11 0.37	194 3.18	12 0.25	19 0.54	--	--	--	18		24
4S/12W-23K 3 S 3- 2-65	--	8.6	353	11 0.55	1 0.08	64 2.78	2 0.05	5 0.17	143 2.34	3 0.06	12 0.34	--	--	--	17	266	32
3-30-65	--	9.0	357	12 0.60	1 0.08	58 2.52	2 0.05	15 0.50	131 2.15	23 0.48	11 0.31	--	--	--	17	186	34
5- 4-65	--	8.6	352	11 0.55	0	58 2.52	1 0.03	6 0.20	141 2.31	21 0.44	18 0.51	--	--	--	16	216	28
6-29-65	--	8.6	334	10 0.50	1 0.08	63 2.74	1 0.03	5 0.17	143 2.34	20 0.42	12 0.34	--	--	--	17	239	29
4S/12W-24M 8 S 7-27-65	--	8.5	2800	22 1.10	5 0.41	58 2.52	2 0.05	4 0.13	167 2.74	25 0.52	13 0.37	--	--	--	18	262	76
8-31-65	81	8.6	380	23 1.15	5 0.41	58 2.52	3 0.08	5 0.17	163 2.67	--	--	--	--	--	17		78

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
CENTRAL HYDRO SUBAREA U05A5																	
4S/12W-24Q 1 S	--	8.5	421	48	0	50	2	0	198	38	20	0	--	--	--		120
7-28-65				2.40		2.17	0.05		3.25	0.79	0.56						
				52		47	1		71	17	12					255	
4S/12W-26F 2 S	--	8.6	377	9	1	85	1	0	158	35	38	0.0	--	--	--		27
11- 2-64				0.45	0.08	3.70	0.03		2.59	0.73	1.07						
				11	2	87	1		59	17	24					247	
	--	8.8	374	12	2	69	2	6	153	14	13	--	--	--	15		38
3- 3-65				0.60	0.16	3.00	0.05	0.20	2.51	0.29	0.37					255	
4S/12W-28H 1 S	--	7.5	340	3	1	82	1	0	191	10	18	0.0	0.6	0.27	--	256	12
10-27-64				0.15	0.08	3.57	0.03		3.13	0.21	0.51						
				4	2	93	1		81	5	13					210	
4S/12W-28H12 S	--	8.9	334	6	1	67	1	11	170	10	14	--	--	--	15		19
11- 4-64				0.30	0.08	2.91	0.03	0.37	2.79	0.21	0.39					282	
	--	8.9	332	6	1	73	1	12	167	10	17	--	--	--	18		19
12- 1-64				0.30	0.08	3.17	0.03	0.40	2.74	0.21	0.48					256	
	--	8.9	348	6	1	73	1	12	168	4	16	--	--	--	18		19
12-29-64				0.30	0.08	3.17	0.03	0.40	2.75	0.08	0.45					224	
	--	9.0	363	6	0	65	1	14	166	2	19	--	--	--	14		15
2- 2-65				0.30		2.83	0.03	0.47	2.72	0.04	0.54					228	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
4S/12W-28H12 S	--	8.9	360	5	1	76	1	13	167	11	15	--	--	--	19		17
3- 2-65				0.25	0.08	3.30	0.03	0.43	2.74	0.23	0.42					260	
3-30-65	--	8.9	357	5	1	70	1	12	176	4	15	--	--	--	17		17
				0.25	0.08	3.04	0.03	0.40	2.88	0.08	0.42					201	
5- 4-65	--	8.8	362	5	1	72	1	10	173	7	22	--	--	--	13		17
				0.25	0.08	3.13	0.03	0.33	2.84	0.15	0.62					236	
6- 1-65	--	8.9	361	5	0	75	1	14	162	2	20	--	--	--	17		13
				0.25		3.26	0.03	0.47	2.66	0.04	0.56					237	
6-29-65	--	8.9	345	6	1	72	1	10	179	2	15	--	--	--	18		19
				0.30	0.08	3.13	0.03	0.33	2.93	0.04	0.42					266	
7-27-65	--	8.9	2800	6	1	75	1	16	170	6	17	--	--	--	17		19
				0.30	0.08	3.26	0.03	0.53	2.79	0.12	0.48					255	
8-31-65	81	8.9	370	6	0	72	2	13	176	--	--	--	--	--	16		15
				0.30		3.13	0.05	0.43	2.88								
9-28-65	79	9.0	370	5	1	84	2	17	168	12	16	--	--	--	18		17
				0.25	0.08	3.65	0.05	0.57	2.75	0.25	0.45						

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
CENTRAL HYDRO SUBAREA U05A5																	
4S/12W-35C 1 S	--	8.5	379	22	3	68	2	0	167	34	42	0.0	--	--	--		68
11- 4-64				1.10	0.25	2.96	0.05		2.74	0.71	1.18						
				25	6	68	1		59	15	25					253	
	--	8.6	373	23	4	53	2	4	167	21	13	--	--	--	18		74
3- 3-65				1.15	0.33	2.30	0.05	0.13	2.74	0.44	0.37					247	
4S/12W-35C 2 S	--	8.6	300	17	5	41	3	4	150	5	10	--	--	--	7		63
3- 3-65				0.85	0.41	1.78	0.08	0.13	2.46	0.10	0.28					183	
4S/12W-35H 1 S	--	8.6	351	11	1	66	1	0	155	26	16	0.0	--	--	--		32
10- 7-64				0.55	0.08	2.87	0.03		2.54	0.54	0.45						
				16	2	81	1		72	15	13					197	
4S/12W-35H 5 S	--	8.6	399	9	3	86	1	0	160	37	44	0	--	--	--		35
11- 2-64				0.45	0.25	3.74	0.03		2.62	0.77	1.24						
				10	6	84	1		57	17	27					259	
4S/12W-35J 5 S	72	8.2	18200	752	368	3040	16	0	162	1040	6280	0	--	--	--		3392
1-11-65				37.52	30.26	132.18	0.41		2.66	21.65	177.10						
				19	15	66			1	11	88					11576	
4S/12W-35J 6 S	75	8.1	24200	1600	291	3100	8	0	121	1080	7560	0	--	--	--		5193
1- 8-65				79.84	23.93	134.79	0.20		1.98	22.49	213.19						
				33	10	56			1	9	90					13698	
4S/12W-35J 7 S	73	8.0	10200	562	180	1470	11	0	120	486	3360	0	--	--	--		2144
1- 4-65				28.04	14.80	63.92	0.28		1.97	10.12	94.75						
				26	14	60			2	9	89					6128	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
CENTRAL HYDRO SUBAREA U05A5																	
4S/12W-35J 7 S	--	8.0	11000	684	138	1660	10	0	106	580	3740	0	--	--	--		2276
4-15-65				34.13	11.35	72.18	0.26		1.74	12.08	105.47						
				29	10	61			1	10	88					6864	
	75	7.7	13000	793	173	1910	18	0	130	708	4380	0	--	--	--		2692
6-29-65				39.57	14.23	83.05	0.46		2.13	14.74	123.52						
				29	10	60			2	10	88					8046	
4S/12W-35K 3 S	--	8.0	30700	867	756	6500	2	0	206	1950	12300	0	--	--	--		5276
6- 7-65				43.26	62.17	282.62	0.05		3.38	40.60	346.86						
				11	16	73			1	10	89					22476	
4S/12W-35K 6 S	--	8.2	2210	221	35	138	10	0	131	110	558	0	--	--	--		696
1-19-65				11.03	2.88	6.00	0.26		2.15	2.29	15.74						
				55	14	30	1		11	11	78					1136	
	--	8.1	1930	202	25	147	6	0	147	126	484	0	--	--	--		607
7- 1-65				10.08	2.06	6.39	0.15		2.41	2.62	13.65						
				54	11	34	1		13	14	73					1062	
4S/12W-35K 7 S	76	8.6	926	57	5	124	2	0	134	47	198	0	--	--	--		163
1-18-65				2.84	0.41	5.39	0.05		2.20	0.98	5.58						
				33	5	62	1		25	11	64					499	
	--	8.1	2140	207	13	200	3	0	119	103	572	0	--	--	--		570
7- 1-65				10.33	1.07	8.70	0.08		1.95	2.14	16.13						
				51	5	43			10	11	80					1157	
4S/12W-35P 1 S	--	9.5	1160	13	4	253	5	0	286	225	95	0	--	--	--		49
10-11-64				0.65	0.33	11.00	0.13		4.69	4.68	2.68						
				5	3	91	1		39	39	22					736	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5									L A SAN GABRIEL RIVER HYDRO UNIT U0500								
4S/12W-35P 1 S	72	11.4	1120	48	6	118	6	0	171	167	67	0	--	--	--		145
12-31-64				2.40	0.49	5.13	0.15		2.80	3.48	1.89						
				29	6	63	2		34	43	23					496	
	73	8.3	661	20	6	102	5	0	40	137	88	0	--	--	--		75
4-28-65				1.00	0.49	4.43	0.13		0.66	2.85	2.48						
				17	8	73	2		11	48	41					378	
4S/12W-35P 2 S	--	8.3	787	45	5	120	2	0	148	226	28	0	--	--	--		133
10-10-64				2.25	0.41	5.22	0.05		2.43	4.71	0.79						
				28	5	66	1		31	59	10					499	
	72	8.4	784	40	6	128	1	0	138	246	22	0	--	--	--		125
12-30-64				2.00	0.49	5.57	0.03		2.26	5.12	0.62						
				25	6	69			28	64	8					511	
	73	8.3	778	39	4	128	1	0	138	242	18	0	--	--	--		114
4-29-65				1.95	0.33	5.57	0.03		2.26	5.04	0.51						
				25	4	71			29	65	7					500	
4S/12W-35R 3 S	--	7.9	40000	572	1020	9000	188	0	180	2300	16400	0	--	--	--		5625
4-14-65				28.54	83.88	391.32	4.81		2.95	47.89	462.48						
				6	16	77	1		1	9	90					29569	
	--	7.9	37900	565	1025	8800	204	0	181	2300	16000	0	--	--	--		5629
6- 8-65				28.19	84.30	382.62	5.22		2.97	47.89	451.20						
				6	17	76	1		1	10	90					28983	
4S/12W-35R 5 S	--	7.9	37600	1360	973	7840	200	0	204	2300	16000	0	--	--	--		7400
6- 7-65				67.86	80.02	340.88	5.11		3.34	47.89	451.20						
				14	16	69	1		1	10	90					28773	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 CENTRAL HYDRO SUBAREA U05A5																	
4S/12W-35R 6 S	--	8.3	575	57	7	58	2	0	190	104	25	5	--	--	--		171
6- 7-65				2.84	0.58	2.52	0.05		3.11	2.17	0.71	0.08					
				47	10	42	1		51	36	12	1				351	
4S/12W-35R10 S	--	8.4	42000	540	1080	9800	252	0	252	2430	17400	0	--	--	--		5793
4-15-65				26.95	88.82	426.10	6.44		4.13	50.59	490.68						
				5	16	78	1		1	9	90					31626	
4S/12W-35R12 S	--	8.3	45500	458	1220	10500	285	0	198	2690	18800	0	--	--	--		6164
4-15-65				22.85	100.33	456.54	7.29		3.25	56.01	530.16						
				4	17	78	1		1	10	90					34050	
4S/12W-35R13 S	--	7.8	2450	278	45	138	5	0	128	181	618	0	--	--	--		879
4-15-65				13.87	3.70	6.00	0.13		2.10	3.77	17.43						
				59	16	25	1		9	16	75					1328	
4S/12W-35R17 S	73	8.8	11700	486	220	1770	20	0	180	514	3790	0	--	--	--	6980	2119
1-14-65				24.25	18.09	76.96	0.51		2.95	10.70	106.88						
				20	15	64			2	9	89					6889	
	--	8.3	12500	598	219	1910	30	0	169	552	4160	0	--	--	--	7640	2394
4-20-65				29.84	18.01	83.05	0.77		2.77	11.49	117.31						
				23	14	63	1		2	9	89					7552	
4S/12W-35R18 S	--	8.1	41700	688	1020	9000	185	0	254	2144	16400	0	--	--	--	29700	5915
10- 1-64				34.33	83.88	391.32	4.73		4.16	44.64	462.48						
				7	16	76	1		1	9	90					29562	
	72	8.0	48500	673	1100	9200	185	0	233	2400	16900	0	--	--	--	30700	6207
1-13-65				33.58	90.46	400.02	4.73		3.82	49.97	476.58						
				6	17	76	1		1	9	90					30573	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5 / L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
4S/12W-35R18 S	--	8.0	42400	673	1090	9200	245	0	251	2430	16900	0	--	--	--	30800	6166
4-21-65				33.58	89.64	400.02	6.26		4.11	50.59	476.58						
				6	17	76	1		1	10	90					30661	
4S/12W-35R19 S	74	8.0	20800	742	445	3640	8	0	137	1060	7370	0	--	--	--	13400	3684
1-12-65				37.03	36.60	158.27	0.20		2.25	22.07	207.83						
				16	16	68			1	10	90					13332	
	74	8.2	23400	852	487	4300	16	0	136	1230	8700	0	--	--	--	15700	4131
4-16-65				42.51	40.05	186.96	0.41		2.23	25.61	245.34						
				16	15	69			1	9	90					15652	
4S/12W-36C 1 S	--	8.2	1020	67	24	75	5	0	276	160	107	--	--	--	11		266
3- 4-65				3.34	1.97	3.26	0.13		4.52	3.33	3.02					545	
4S/12W-36E 1 S	--	8.3	1070	101	14	90	3	0	164	54	222	0	--	--	--		310
5-19-65				5.04	1.15	3.91	0.08		2.69	1.12	6.26						
				50	11	38	1		27	11	62					565	
4S/12W-36E 2 S	--	8.2	592	56	11	53	2	0	210	56	50	0	--	--	--		185
5-19-65				2.79	0.90	2.30	0.05		3.44	1.17	1.41						
				46	15	38	1		57	19	23					331	
4S/12W-36M 1 S	--	8.4	373	17	2	64	1	0	162	36	16	0.0	--	--	--		51
10- 1-64				0.85	0.16	2.78	0.03		2.66	0.75	0.45						
				22	4	73	1		69	19	12					216	
	--	8.3	371	15	3	62	1	0	161	33	13	0	--	--	--		50
5-19-65				0.75	0.25	2.70	0.03		2.64	0.69	0.37						
				20	7	72	1		71	19	10					206	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — CENTRAL HYDRO SUBAREA U05A5																	
4S/12W-36M 2 S	--	7.8	35300	1140	820	7160	40	0	165	1960	13900	0	--	--	--		6221
5-19-65				56.89	67.44	311.32	1.02		2.70	40.81	391.98						
				13	15	71			1	9	90					25101	
4S/12W-36N 2 S	--	8.0	40000	570	1040	8720	255	0	182	2280	15900	0	--	--	--		5703
4-23-65				28.44	85.53	379.15	6.52		2.98	47.47	448.38						
				6	17	76	1		1	10	90					28854	
	--	8.0	39700	578	1020	8600	260	0	184	2270	16000	0	--	--	--		5641
6- 4-65				28.84	83.88	373.93	6.65		3.02	47.26	451.20						
				6	17	76	1		1	9	90					28818	
4S/12W-36N 3 S	--	7.9	45900	432	1240	10400	333	0	217	2630	18600	0	--	--	--		6182
4-23-65				21.56	101.98	452.19	8.51		3.56	54.76	524.52						
				4	17	77	1		1	9	90					33742	
	--	8.0	45000	456	1230	10200	320	0	221	2600	18500	0	--	--	--		6200
6- 4-65				22.75	101.16	443.50	8.18		3.62	54.13	521.70						
				4	18	77	1		1	9	90					33415	
4S/12W-36N 4 S	--	8.2	467	45	6	46	2	0	198	37	24	0	--	--	--		137
4-23-65				2.25	0.49	2.00	0.05		3.25	0.77	0.68						
				47	10	42	1		69	16	14					257	
	--	8.4	414	42	6	46	3	0	200	37	22	0	--	--	--		130
6- 4-65				2.10	0.49	2.00	0.08		3.28	0.77	0.62						
				45	10	43	2		70	16	13					254	
4S/12W-36P 1 S	71	8.4	419	33	6	50	3	0	178	37	23	0	--	--	--		107
5-13-65				1.65	0.49	2.17	0.08		2.92	0.77	0.65						
				38	11	49	2		67	18	15					240	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total Hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5																	
4S/12W-36P 2 S 5-12-65	73	9.6	352	3 0.15 4	1 0.08 2	70 3.04 90	4 0.10 3	38 1.27 38	48 0.79 23	36 0.75 22	20 0.56 17	0	--	--	--	 196	12
4S/12W-36P 3 S 5-20-65	72	8.4	410	22 1.10 26	6 0.49 12	58 2.52 60	3 0.08 2	0	155 2.54 61	43 0.90 22	26 0.73 18	0	--	--	--	 234	80
4S/12W-36P 4 S 5-19-65	73	8.6	477	36 1.80 38	7 0.58 12	53 2.30 49	2 0.05 1	0	182 2.98 63	42 0.87 19	30 0.85 18	0	--	--	--	 259	119
4S/12W-36P 5 S 5-17-65	73	7.7	13900	958 47.80 32	277 22.78 15	1820 79.13 53	18 0.46	0	136 2.23 1	671 13.97 9	4750 133.95 89	0	--	--	--	 8561	3532
4S/12W-36P 6 S 5-14-65	73	8.4	422	18 0.90 21	3 0.25 6	70 3.04 72	2 0.05 1	0	163 2.67 64	37 0.77 18	27 0.76 18	0	--	--	--	 237	58
4S/14W- 8E 6 S 5-19-64	--	8.0	1160	82 4.09 36	27 2.22 19	116 5.04 44	5 0.13 1	0	144 2.36 20	299 6.23 52	124 3.50 29	0	--	--	--	 724	316
4S/14W- 8E 7 S 10-26-63	--	7.2	37300	640 31.94 7	1074 88.33 19	7825 340.23 73	156 3.99 1	0	158 2.59 1	2239 46.62 10	14500 408.90 89	0	--	--	--	 26512	6018
 7-26-65	--	8.0	1270	102 5.09 38	34 2.80 21	124 5.39 40	6 0.15 1	0	160 2.62 19	372 7.75 57	118 3.33 24	0	--	--	--	 835	395

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5																	
5S/12W- 1E 1 S	--	8.7	311	8	1	62	1	0	158	5	18	0.0	--	--	--		24
10-15-64				0.40	0.08	2.70	0.03		2.59	0.10	0.51						
				12	2	84	1		81	3	16					173	
5S/12W- 1E 2 S	--	8.3	577	56	10	40	2	0	198	0	70	0	--	--	--		181
6- 3-65				2.79	0.82	1.74	0.05		3.25		1.97						
				52	15	32	1		62		38					275	
5S/12W- 1E 3 S	--	8.2	2940	234	50	314	7	0	282	240	716	0	--	--	--		790
6- 3-65				11.68	4.11	13.65	0.18		4.62	5.00	20.25						
				39	14	46	1		15	17	68					1702	
5S/12W- 2A 4 S	--	8.2	1290	44	31	182	6	0	142	332	131	0	--	--	--		238
4-14-65				2.20	2.55	7.91	0.15		2.33	6.91	3.69						
				17	20	62	1		18	53	29					796	
5S/12W- 2A 5 S	--	7.8	1230	88	32	124	6	0	137	330	120	2.5	--	--	--		351
4-14-65				4.39	2.63	5.39	0.15		2.25	6.87	3.38	0.04					
				35	21	43	1		18	55	27					770	
5S/12W- 2A 6 S	--	8.3	8403	219	158	1420	19	0	171	416	2612	0	--	--	--	5020	1197
11- 6-64				10.93	12.99	61.74	0.49		2.80	8.66	73.66						
				13	15	72	1		3	10	87					4928	
5S/12W- 2A 8 S	70	8.6	437	45	5	44	2	0	210	34	15	0	--	--	--	354	133
1-15-65				2.25	0.41	1.91	0.05		3.44	0.71	0.42						
				49	9	41	1		75	16	9					248	
5S/12W- 2A 9 S	--	8.4	527	40	7	63	2	0	197	47	41	0	--	--	--	397	129
10- 8-64				2.00	0.58	2.74	0.05		3.23	0.98	1.16						
				37	11	51	1		60	18	22					297	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
CENTRAL HYDRO SUBAREA U05A5																	
5S/12W- 2A 9 S	70	8.9	389	28	5	50	3	0	170	40	16	0	--	--	--	312	91
12-10-64				1.40	0.41	2.17	0.08		2.79	0.83	0.45						
				34	10	53	2		69	20	11					226	
5S/12W- 2A10 S	--	8.4	459	34	6	55	2	0	184	43	22	1	--	--	--	347	110
10- 8-64				1.70	0.49	2.39	0.05		3.02	0.90	0.62	0.02					
				37	11	52	1		66	20	14					253	
	72	8.8	418	32	4	53	3	0	177	43	18	0	--	--	--	329	97
12- 9-64				1.60	0.33	2.30	0.08		2.90	0.90	0.51						
				37	8	53	2		67	21	12					240	
	72	8.4	424	30	5	76	2	0	180	50	48	0	--	--	--	392	96
4-23-65				1.50	0.41	3.30	0.05		2.95	1.04	1.35						
				29	8	63	1		55	19	25					300	
5S/12W- 2A11 S	--	7.8	13600	1020	218	1740	15	0	134	623	4590	0	--	--	--	8340	3444
10- 9-64				50.90	17.93	75.66	0.38		2.20	12.97	129.44						
				35	12	52			2	9	90					8272	
	73	8.0	11700	963	203	1440	20	0	146	572	4020	0	--	--	--	7370	3240
12- 8-64				48.05	16.69	62.61	0.51		2.39	11.91	113.36						
				38	13	49			2	9	89					7290	
	73	7.9	14800	1120	254	1910	20	0	146	712	5100	0	--	--	--	9270	3842
4-26-65				55.89	20.89	83.05	0.51		2.39	14.82	143.82						
				35	13	52			1	9	89					9188	
5S/12W- 2A12 S	--	8.2	524	22	3	83	2	0	179	44	42	0	--	--	--	375	68
10- 8-64				1.10	0.25	3.61	0.05		2.93	0.92	1.18						
				22	5	72	1		58	18	23					284	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 CENTRAL HYDRO SUBAREA U05A5																	
5S/12W- 2A12 S	73	8.8	376	13	2	68	2	0	163	37	16	0	--	--	--	302	41
12- 7-64				0.65	0.16	2.96	0.05		2.67	0.77	0.45						
				17	4	77	1		69	20	12					218	
	--	8.3	379	14	2	71	1	0	157	40	21	0	--	--	--	306	43
4-22-65				0.70	0.16	3.09	0.03		2.57	0.83	0.59						
				18	4	78	1		64	21	15					226	
5S/12W- 2A13 S	70	8.8	430	31	4	55	2	0	181	42	18	0	--	--	--	333	94
12-18-64				1.55	0.33	2.39	0.05		2.97	0.87	0.51						
				36	8	55	1		68	20	12					241	
5S/12W- 2A14 S	71	8.2	25900	746	565	4800	63	0	179	1390	9370	8.0	--	--	--	17100	4188
12-17-64				37.23	46.47	208.70	1.61		2.93	28.94	264.23	0.13					
				13	16	71	1		1	10	89					17030	
5S/12W- 2A16 S	73	8.6	1060	75	9	120	2	0	141	56	225	0	--	--	--	628	224
12-15-64				3.74	0.74	5.22	0.05		2.31	1.17	6.35						
				38	8	54	1		23	12	65					556	
5S/12W- 2B 8 S	--	8.7	312	7	1	62	1	0	161	2	16	0.0	--	--	--		22
10- 8-64				0.35	0.08	2.70	0.03		2.64	0.04	0.45						
				11	3	85	1		84	1	14					168	
5S/12W- 2B 9 S	--	8.2	7020	68	112	1270	48	0	137	293	2140	0	--	--	--		631
4-20-65				3.39	9.21	55.22	1.23		2.25	6.10	60.35						
				5	13	80	2		3	9	88					3998	
	--	8.3	4760	52	88	800	38	0	130	170	1420	0	--	--	--		492
5-18-65				2.59	7.24	34.78	0.97		2.13	3.54	40.04						
				6	16	76	2		5	8	88					2632	

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 — CENTRAL HYDRO SUBAREA U05A5 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
5S/12W- 2B12 S	--	8.0	42700	464	1130	9400	328	0	175	2510	16900	0	--	--	--		5809
4-20-65				23.15	92.93	408.71	8.39		2.87	52.26	476.58						
				4	17	77	2		1	10	90					30818	
	--	7.9	40300	462	1060	9000	296	0	184	2390	16100	0	--	--	--		5515
5-18-65				23.05	87.17	391.32	7.57		3.02	49.76	454.02						
				5	17	77	1		1	10	90					29398	
5S/12W- 2B16 S	69	8.5	10500	260	228	1725	41	0	147	490	3380	2.5	--	--	--		1587
12-14-64				12.97	18.75	75.00	1.05		2.41	10.20	95.32	0.04					
				12	17	70	1		2	9	88					6199	
5S/12W- 2C 7 S	--	8.3	4170	348	56	496	5	0	156	693	952	3.2	--	--	--		1100
12-21-64				17.37	4.61	21.57	0.13		2.56	14.43	26.85	0.05					
				40	11	49			6	33	61					2630	
5S/12W- 2C 8 S	--	7.3	7940	716	65	910	8	0	68	369	2510	1.0	--	--	--		2056
10-13-64				35.73	5.35	39.57	0.20		1.11	7.68	70.78	0.02					
				44	7	49			1	10	89					4612	
5S/12W- 2C 9 S	--	7.3	7940	716	65	910	8	0	68	369	2510	1.0	--	--	--		2056
10-31-64				35.73	5.35	39.57	0.20		1.11	7.68	70.78	0.02					
				44	7	49			1	10	89					4612	
	72	8.3	4720	419	42	515	5	0	111	428	1280	0	--	--	--		1219
12-29-64				20.91	3.45	22.39	0.13		1.82	8.91	36.10						
				45	7	48			4	19	77					2744	
5S/12W- 2D 4 S	--	8.0	45900	564	1220	10250	270	0	228	2700	18500	0	--	--	--		6429
12-28-64				28.14	100.33	445.67	6.90		3.74	56.21	521.70						
				5	17	77	1		1	10	90					33616	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Minerol constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
5S/12W- 2D 5 S 12-23-64	70	8.4	22900	702 35.03 13	462 37.99 15	4275 185.88 71	63 1.61 1	0	193 3.16 1	1400 29.15 11	8040 226.73 87	8.0 0.13	--	--	--	15045	3654
5S/12W- 2D 6 S 12-22-64	71	8.5	6460	160 7.98 13	112 9.21 15	1050 45.65 72	19 0.49 1	0	138 2.26 4	291 6.06 10	1960 55.27 87	1.3 0.02	--	--	--	3661	860
5S/12W- 2F11 S 4-20-65	--	8.1	33300	664 33.13 8	824 67.77 17	6840 297.40 74	41 1.05	0	374 6.13 2	1740 36.23 9	12700 358.14 89	0	--	--	--	22993	5049
5-16-65	--	8.0	32900	678 33.83 9	805 66.20 17	6830 296.97 75	25 0.64	0	375 6.15 2	1730 36.02 9	12600 355.32 89	0	--	--	--	22852	5006
5S/12W- 2F12 S 4-20-65	--	7.8	45900	704 35.13 6	1200 98.69 17	10200 443.50 76	238 6.09 1	0	201 3.29 1	2600 54.13 9	18600 524.52 90	0	--	--	--	33641	6696
5-16-65	--	7.6	45000	674 33.63 6	1200 98.69 17	10200 443.50 76	228 5.83 1	0	198 3.25 1	2650 55.17 9	18600 524.52 90	0	--	--	--	33649	6621
5S/12W- 2F13 S 5-28-65	--	7.9	36000	564 28.14 6	1040 85.53 18	8450 367.41 75	263 6.72 1	0	186 3.05 1	2400 49.97 10	15400 434.28 89	0	--	--	--	28208	5688
5S/12W- 2G 5 S 7-27-65	--	8.3	44600	528 26.35 5	1160 95.40 17	9800 426.10 77	332 8.49 2	0	238 3.90 1	2548 53.05 9	17800 501.96 90	0	--	--	--	32285	6092

TABLE 2-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5				L A SAN GABRIEL RIVER HYDRO UNIT U0500													
5S/12W- 2G19 S	--	8.1	45400	446	1230	10200	372	0	188	2630	18500	0	--	--	--		6176
6- 1-65				22.26	101.16	443.50	9.51		3.08	54.76	521.70						
				4	18	77	2		1	9	90					33470	
5S/12W- 2G20 S	--	7.7	40300	628	1120	9200	308	0	294	2460	17000	0	--	--	--		6177
5-24-65				31.34	92.11	400.02	7.88		4.82	51.22	479.40						
				6	17	75	1		1	10	90					30861	
5S/12W- 2H 8 S	--	7.9	16100	1360	240	2100	15	0	97	700	5790	0	--	--	--		4384
4-16-65				67.86	19.74	91.31	0.38		1.59	14.57	163.28						
				38	11	51			1	8	91					10253	
	--	8.1	15200	1370	239	1820	15	0	133	638	5390	0	--	--	--		4405
5-20-65				68.36	19.66	79.13	0.38		2.18	13.28	152.00						
				41	12	47			1	8	91					9537	
5S/12W- 2H 9 S	--	7.9	43900	644	1220	10200	224	0	230	2630	18600	0	--	--	--		6629
4-13-65				32.14	100.33	443.50	5.73		3.77	54.76	524.52						
				6	17	76	1		1	9	90					33631	
	--	7.9	44200	678	1200	10000	225	0	244	2600	18300	0	--	--	--		6631
5-20-65				33.83	98.69	434.80	5.75		4.00	54.13	516.06						
				6	17	76	1		1	9	90					33123	
5S/12W- 2H12 S	--	7.6	28900	1200	654	5250	45	0	236	1480	11000	0	--	--	--		5688
1- 5-65				59.88	53.78	228.27	1.15		3.87	30.81	310.20						
				17	16	67			1	9	90					19745	
	--	7.6	33300	1100	745	6125	62	0	221	1660	12300	0	--	--	--		5813
1-20-65				54.89	61.27	266.32	1.59		3.62	34.56	346.86						
				14	16	69			1	9	90					22101	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
CENTRAL HYDRO SUBAREA U05A5																	
5S/12W- 2H12 S	--	7.6	31600	1080	713	6000	52	0	223	1630	12000	0	--	--	--		5631
1-25-65				53.89	58.64	260.88	1.33		3.65	33.94	338.40						
				14	16	70			1	9	90					21585	
	--	7.4	32200	1140	740	6000	68	0	222	1650	12200	0	--	--	--		5892
1-29-65				56.89	60.86	260.88	1.74		3.64	34.35	344.04						
				15	16	69			1	9	90					21907	
	--	7.5	32900	1140	752	6125	68	0	228	1670	12300	0	--	--	--		5941
1-29-65				56.89	61.84	266.32	1.74		3.74	34.77	346.86						
				15	16	69			1	9	90					22167	
	--	7.7	29600	1180	634	5630	58	0	238	1520	11400	0	--	--	--		5555
2- 3-65				58.88	52.14	244.79	1.48		3.90	31.65	321.48						
				16	15	69			1	9	90					20539	
	--	7.6	26000	1180	584	4550	55	0	236	1290	9800	0	--	--	--		5350
3- 1-65				58.88	48.03	197.83	1.41		3.87	26.86	276.36						
				19	16	65			1	9	90					17575	
5S/12W- 2J 2 S	--	8.5	697	17	4	128	2	0	179	14	124	6.0	--	--	--		59
10-26-64				0.85	0.33	5.57	0.05		2.93	0.29	3.50	0.10					
				13	5	82	1		43	4	51	1				383	
	--	8.7	566	15	3	93	2	6	171	8	75	--	--	--	17		50
3- 3-65				0.75	0.25	4.04	0.05	0.20	2.80	0.17	2.12					337	
5S/12W- 2J 3 S	--	7.5	23809	864	467	4200	100	0	191	840	8732	0.0	--	--	--		4079
10-27-64				43.11	38.41	182.62	2.56		3.13	17.49	246.24						
				16	14	68	1		1	7	92					15297	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 CENTRAL HYDRO SUBAREA U05A5																	
5S/12W- 2J 3 S 3- 3-65	--	7.1	11900	712 35.53	21 1.73	6000 260.88	14 0.36	0	167 2.74	262 5.45	9900 279.18	--	--	--	189 U05A5	20268	1864
5S/12W- 2J 4 S 10-27-64	--	8.2	5640	144 7.19 13	75 6.17 11	960 41.74 75	12 0.31 1	0	218 3.57 7	171 3.56 7	1680 47.38 87	0	--	--	--	3149	669
3- 3-65	--	8.3	16600	130 6.49	5 0.41	785 34.13	20 0.51	0	209 3.43	284 5.91	1300 36.66	--	--	--	246	3085	345
5S/12W- 2J 5 S 5-25-65	--	7.6	30700	710 35.43 9	800 65.79 17	6650 289.14 73	120 3.07 1	0	317 5.20 1	1980 41.22 10	12300 346.66 88	0	--	--	--	22716	5065
5S/12W- 2M 1 S 10-29-64	--	8.7	363	9 0.45 10	1 0.08 2	86 3.74 87	2 0.05 1	0	208 3.41 76	0	38 1.07 24	0	--	--	--	238	27
5S/12W- 2Q 1 S 6- 2-65	--	8.2	13800	632 31.54 21	244 20.07 13	2250 97.83 65	28 0.72	0	271 4.44 3	593 12.35 8	4730 133.39 89	0	--	--	--	8610	2583
5S/12W- 2R 2 S 5-27-65	--	8.0	25400	1300 64.87 20	617 50.74 16	4600 200.01 63	36 0.92	0	158 2.59 1	988 20.57 7	10400 293.28 93	0	--	--	--	18019	5785
5S/12W- 2R 3 S 1-20-65	--	7.9	29100	904 45.11 14	607 49.92 15	5250 228.27 70	86 2.20 1	0	187 3.06 1	1360 28.32 9	10500 296.10 90	0	--	--	--	18900 18799	4755

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0																	
CENTRAL HYDRO SUBAREA U05A5																	
5S/12W- 2R 3 S	--	7.9	27900	833	635	5450	83	0	190	1350	10700	0	--	--	--	19240	4693
2- 5-65				41.57	52.22	236.97	2.12		3.11	28.11	301.74						
				12	16	71	1		1	8	91					19144	
	--	8.0	25100	865	554	4780	58	0	200	1140	9630	0	--	--	--	17200	4440
2- 8-65				43.16	45.56	207.83	1.48		3.28	23.73	271.57						
				14	15	70			1	8	91					17125	
	--	8.0	25600	896	556	4730	50	0	209	1080	9640	0	--	--	--	17200	4526
2-17-65				44.71	45.73	205.66	1.28		3.43	22.49	271.85						
				15	15	69			1	8	91					17055	
	--	8.1	23500	896	500	4150	35	0	212	963	8700	0	--	--	--	15500	4295
2-19-65				44.71	41.12	180.44	0.89		3.47	20.05	245.34						
				17	15	68			1	7	91					15348	
	--	7.6	24000	952	491	4280	38	0	230	1030	8930	3.0	--	--	--	16000	4398
3- 1-65				47.50	40.38	186.09	0.97		3.77	21.44	251.83	0.05					
				17	15	68			1	8	91					15837	
5S/12W- 3A 1 S	--	7.5	5945	590	114	640	10	0	182	1170	1440	0.0	--	--	--		1943
10-28-64				29.44	9.38	27.83	0.26		2.98	24.36	40.61						
				44	14	42			4	36	60					4053	
	--	7.5	12600	888	168	1860	15	0	192	1099	4050	0	--	--	--		2909
7-27-65				44.31	13.82	80.87	0.38		3.15	22.88	114.21						
				32	10	58			2	16	81					8174	
5S/12W-11G 2 S	--	8.6	332	7	1	69	1	0	187	0	16	0.0	--	--	--		22
10-16-64				0.35	0.08	3.00	0.03		3.06		0.45						
				10	2	87	1		87		13					186	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
COASTAL PL OF LA CO HYDR SUBUNIT U05A0 / CENTRAL HYDRO SUBAREA U05A5																	
5S/12W-11G 3 S 10-22-64	--	7.6	13774	828 41.32 28	200 16.45 11	2000 86.96 60	20 0.51	0	150 2.46 2	288 6.00 4	4852 136.83 94	14 0.23	--	--	--	8276	2891
5S/12W-11G 5 S 10-15-64	--	8.5	508	17 0.85 15	3 0.25 4	101 4.39 79	3 0.08 1	0	309 5.06 91	0 	17 0.48 9	0.0	--	--	--	293	55

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN FERNANDO HYDRO SUBUNIT U05B0																	
SAN FERNANDO HYDRO SUBAREA U05B1																	
1N/13W-18N 1 S	68	8.0	526	54	12	35	3	0	209	59	26	4	0.6	0.14	--	327	184
6-30-65				2.69	0.99	1.52	0.08		3.43	1.23	0.73	0.06					
				51	19	29	2		63	23	13	1				296	
1N/13W-20G 1 S	70	7.9	591	48	15	53	1	0	240	49	30	18	0.5	0.11	--	364	182
6-30-65				2.40	1.23	2.30	0.03		3.93	1.02	0.85	0.29					
				40	21	39	1		65	17	14	5				333	
1N/13W-24P 2 S	--	7.2	3200	455	223	102	12	0	2209	14	298	4	0.2	0.36	--	2330	2054
2- 2-65				22.70	18.34	4.43	0.31		36.21	0.29	8.40	0.06					
				50	40	10	1		81	1	19					2195	
	--	7.1	3100	473	188	115	8	0	2101	10	344	0	2.4	0.35	--	2586	1955
5-13-65				23.60	15.46	5.00	0.20		34.44	0.21	9.70						
				53	35	11			78		22					2174	
1N/13W-33N 1 S	--	7.3	678	67	26	31	2	0	227	59	44	41	0.4	0.10	--	422	274
4-19-65				3.34	2.14	1.35	0.05		3.72	1.23	1.24	0.66					
				49	31	20	1		54	18	18	10				382	
1N/14W- 9H 4 S	65	8.0	541	61	17	26	3	0	243	50	18	8	0.6	0.11	--	344	222
6-30-65				3.04	1.40	1.13	0.08		3.98	1.04	0.51	0.13					
				54	25	20	1		70	18	9	2				303	
1N/14W-14B 1 S	--	7.7	485	50	14	30	3	0	215	46	17	5	0.6	0.10	--	276	183
4-20-65				2.50	1.15	1.30	0.08		3.52	0.96	0.48	0.08					
				50	23	26	2		70	19	10	2				271	
1N/14W-16A 1 S	--	7.6	493	58	14	24	3	0	212	67	11	3	0.6	0.09	--	295	202
4-20-65				2.89	1.15	1.04	0.08		3.47	1.39	0.31	0.05					
				56	22	20	2		66	27	6	1				285	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN FERNANDO HYDRO SUBUNIT U05B0																	
SAN FERNANDO HYDRO SUBAREA U05B1																	
1N/14W-23E 1 S	--	7.6	872	89	26	61	4	0	271	181	32	15	0.4	0.18	--	569	329
4-20-65				4.44	2.14	2.65	0.10		4.44	3.77	0.90	0.24					
				48	23	28	1		47	40	10	3				542	
1N/14W-28B 1 S	--	7.5	1497	152	46	124	5	0	439	364	69	6	0.4	0.44	--	1062	568
4-20-65				7.58	3.78	5.39	0.13		7.20	7.58	1.95	0.10					
				45	22	32	1		43	45	12	1				983	
1N/15W- 1K 2 S	66	8.0	709	80	20	41	4	0	245	126	25	12	0.4	0.13	--	449	282
7- 6-65				3.99	1.64	1.78	0.10		4.02	2.62	0.71	0.19					
				53	22	24	1		53	35	9	3				429	
1N/16W-14K 1 S	--	7.7	2433	97	60	374	8	0	447	740	149	1	0.6	0.50	--	1700	489
4-20-65				4.84	4.93	16.26	0.20		7.33	15.41	4.20	0.02					
				18	19	62	1		27	57	16					1650	
1N/17W-10D 2 S	--	7.2	2019	207	143	81	8	0	515	731	65	7	0.8	0.35	--	1691	1105
4-20-65				10.33	11.76	3.52	0.20		8.44	15.22	1.83	0.11					
				40	46	14	1		33	59	7					1496	
1N/17W-26A 1 S	--	7.1	2171	275	151	67	8	0	495	900	64	1	1.0	0.20	--	1885	1308
4-20-65				13.72	12.42	2.91	0.20		8.11	18.74	1.80	0.02					
				47	42	10	1		28	65	6					1711	
2N/14W-19Q 1 S	--	8.4	522	58	16	24	4	0	244	44	16	0	--	--	--		211
12- 2-64				2.89	1.32	1.04	0.10		4.00	0.92	0.45						
				54	25	19	2		74	17	8					282	
2N/14W-30A 1 S	--	7.8	551	58	16	24	4	0	179	69	34	0	--	--	--		211
12- 2-64				2.89	1.32	1.04	0.10		2.93	1.44	0.96						
				54	25	19	2		55	27	18					293	

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ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN FERNANDO HYDRO SUBUNIT U05B0																	
SAN FERNANDO HYDRO SUBAREA U05B1																	
2N/14W-30A 3 S	--	8.2	546	61	17	27	4	0	239	63	17	0	--	--	--		222
12- 2-64				3.04	1.40	1.17	0.10		3.92	1.31	0.48						
				53	25	20	2		69	23	8					307	
	65	8.3	549	62	18	26	4	0	240	48	18	9	0.5	0.13	--	358	229
4-21-65				3.09	1.48	1.13	0.10		3.93	1.00	0.51	0.15					
				53	26	19	2		70	18	9	3				304	
2N/17W-22C 2 S	--	7.3	785	70	23	70	3	0	349	84	33	2	0.6	0.05	--	457	269
4-20-65				3.49	1.89	3.04	0.08		5.72	1.75	0.93	0.03					
				41	22	36	1		68	21	11					457	
SYLMAR HYDRO SUBAREA U05B2																	
3N/15W-23P 1 S	--	7.9	444	35	11	41	4	0	193	38	20	4	0.3	0.24	--	249	133
4-21-65				1.75	0.90	1.78	0.10		3.16	0.79	0.56	0.06					
				39	20	39	2		69	17	12	1				248	
3N/15W-25G 1 S	--	7.9	376	34	8	32	2	0	198	11	14	3	0.3	0.02	--	220	118
4-21-65				1.70	0.66	1.39	0.05		3.25	0.23	0.39	0.05					
				45	17	37	1		83	6	10	1				202	
3N/15W-33Q 1 S	--	7.8	556	64	14	28	5	0	223	67	22	5	0.3	0.09	--	332	217
4-21-65				3.19	1.15	1.22	0.13		3.65	1.39	0.62	0.08					
				56	20	21	2		64	24	11	1				315	
3N/15W-34P 1 S	--	8.2	481	51	17	20	4	0	208	42	19	0	--	--	--		197
12- 2-64				2.54	1.40	0.87	0.10		3.41	0.87	0.54						
				52	29	18	2		71	18	11					255	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million, equivalents per million, percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SAN FERNANDO HYDRO SUBUNIT U05B0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SYLMAR HYDRO SUBAREA U05B2																	
3N/15W-34P11 S	--	7.7	626	66	22	32	3	0	260	62	21	24	0.3	0.25	--	380	255
4-23-65				3.29	1.81	1.39	0.08		4.26	1.29	0.59	0.39					
				50	28	21	1		65	20	9	6				358	
TUJUNGA HYDRO SUBAREA U05B3																	
2N/14W- 5L 1 S	--	8.2	740	43	25	78	5	0	227	113	38	0	0.6	0.46	--	444	211
4-21-65				2.15	2.06	3.39	0.13		3.72	2.35	1.07						
				28	27	44	2		52	33	15					415	
2N/14W-11A 1 S	--	8.0	624	66	17	41	4	0	276	67	19	10	0.9	0.31	--	394	235
4-19-65				3.29	1.40	1.78	0.10		4.52	1.39	0.54	0.16					
				50	21	27	2		68	21	8	2				361	
2N/14W-11N 1 S	--	7.6	912	96	34	44	3	0	348	67	57	37	0.4	0.14	--	605	380
4-19-65				4.79	2.80	1.91	0.08		5.70	1.39	1.61	0.60					
				50	29	20	1		61	15	17	6				510	
2N/14W-12C 2 S	62	7.9	599	60	19	41	4	0	277	54	17	6	1.1	0.34	--	374	228
4-19-65				2.99	1.56	1.78	0.10		4.54	1.12	0.48	0.10					
				47	24	28	2		73	18	8	2				339	
3N/13W-32J 1 S	--	7.8	730	74	25	49	2	0	312	80	26	4	1.4	0.36	--	483	288
4-19-65				3.69	2.06	2.13	0.05		5.11	1.67	0.73	0.06					
				47	26	27	1		68	22	10	1				415	
3N/14W-29F 2 S	--	8.5	702	2	0	165	1	12	378	15	21	1	0.2	0.29	--	410	5
4-21-65				0.10		7.17	0.03	0.40	6.20	0.31	0.59	0.02					
				1		98		5	82	4	8					403	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN FERNANDO HYDRO SUBUNIT U05B0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
TUJUNGA HYDRO SUBAREA U05B3																	
3N/14W-29J 1 S	--	8.2	788	77	36	41	8	0	381	83	21	1	0.5	0.07	--	502	340
4-21-65				3.84	2.96	1.78	0.20		6.24	1.73	0.59	0.02					
				44	34	20	2		73	20	7					455	
3N/14W-32M 1 S	--	7.1	570	57	15	36	4	0	233	26	28	37	0.2	0.08	--	340	204
4-21-65				2.84	1.23	1.57	0.10		3.82	0.54	0.79	0.60					
				49	21	27	2		66	9	14	10				318	
3N/14W-32M 2 S	--	7.2	590	55	16	43	4	0	244	30	31	37	0.5	0.06	--	365	203
4-21-65				2.74	1.32	1.87	0.10		4.00	0.62	0.87	0.60					
				45	22	31	2		66	10	14	10				336	
3N/14W-33K 1 S	--	6.9	1671	186	71	110	7	0	409	562	47	2	3.4	0.74	--	1278	757
4-21-65				9.28	5.84	4.78	0.18		6.70	11.70	1.33	0.03					
				46	29	24	1		34	59	7					1190	
VERDUGO HYDRO SUBAREA U05B4																	
2N/13W-28N 1 S	68	7.0	696	57	29	31	3	0	167	31	53	100	0.1	0.03	--	491	261
4-19-65				2.84	2.38	1.35	0.08		2.74	0.65	1.49	1.61					
				43	36	20	1		42	10	23	25				386	
2N/13W-29F 1 S	68	7.0	506	41	20	24	2	0	132	24	34	73	0.1	0	--	374	185
4-19-65				2.05	1.64	1.04	0.05		2.16	0.50	0.96	1.18					
				43	34	22	1		45	10	20	25				283	
2N/13W-33G 1 S	68	7.0	646	60	26	25	3	0	166	31	49	88	0.1	0.02	--	454	257
4-19-65				2.99	2.14	1.09	0.08		2.72	0.65	1.38	1.42					
				47	34	17	1		44	11	22	23				364	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN FERNANDO HYDRO SUBUNIT U05B0																	
VERDUGO HYDRO SUBAREA U05B4																	
2N/13W-33R 1 S 4-19-65	68	7.2	454	43 2.15 49	15 1.23 28	22 0.96 22	2 0.05 1	0	143 2.34 55	14 0.29 7	25 0.71 17	59 0.95 22	0.4	0.03	--	301 251	169

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
RAYMOND HYDRO SUBUNIT U05C0																	
PASADENA HYDRO SUBAREA U05C1																	
1N/12W-21K 1 S	--	7.2	228	18	6	20	2	0	90	5	10	21.0	1.4	0.08	30	180	70
10-26-64				0.90	0.49	0.87	0.05		1.48	0.10	0.28	0.34					
				39	21	38	2		67	5	13	15				158	
	--	7.7	244	18	6	20	2	0	87	4	15	20	1.0	0.05	--	158	70
3-23-65				0.90	0.49	0.87	0.05		1.43	0.08	0.42	0.32					
				39	21	38	2		64	4	19	14				129	
1N/12W-26A 1 S	--	7.4	398	37	10	30	2	0	145	13	21	40.0	1.1	0.14	29	270	134
10-26-64				1.85	0.82	1.30	0.05		2.38	0.27	0.59	0.65					
				46	20	32	1		61	7	15	17				254	
	--	7.8	382	31	10	30	2	0	146	18	20	24	0.8	0.09	--	212	119
3-23-65				1.55	0.82	1.30	0.05		2.39	0.37	0.56	0.39					
				42	22	35	1		64	10	15	11				208	
1N/12W-26C 1 S	--	7.4	319	23	5	37	1	0	124	24	13	12.0	1.6	0.28	25	220	78
10-26-64				1.15	0.41	1.61	0.03		2.03	0.50	0.37	0.19					
				36	13	50	1		66	16	12	6				203	
	--	8.0	413	16	4	63	1	0	116	63	23	3	1.6	0.52	--	251	57
3-23-65				0.80	0.33	2.74	0.03		1.90	1.31	0.65	0.05					
				21	8	70	1		49	34	17	1				232	
1N/12W-34E 1 S	--	7.8	370	36	11	24	2	0	147	23	16	19.0	0.4	0.09	--	222	135
10-23-64				1.80	0.90	1.04	0.05		2.41	0.48	0.45	0.31					
				47	24	27	1		66	13	12	8				204	
	--	7.6	388	34	10	27	2	0	157	24	19	14	0.7	0.16	--	228	126
3-24-65				1.70	0.82	1.17	0.05		2.57	0.50	0.54	0.23					
				45	22	31	1		67	13	14	6				208	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
RAYMOND HYDRO SUBUNIT U05C0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
PASADENA HYDRO SUBAREA U05C1																	
1N/12W-34E 1 S	--	8.0	368	34	10	27	2	0	147	23	18	18.0	--	--	--		126
8-11-65				1.70	0.82	1.17	0.05		2.41	0.48	0.51	0.29					
				45	22	31	1		65	13	14	8				204	
1N/12W-34N 1 S	--	8.0	1090	111	41	63	3	0	299	162	85	64.0	0.4	0.30	--	744	446
10-23-64				5.54	3.37	2.74	0.08		4.90	3.37	2.40	1.03					
				47	29	23	1		42	29	21	9				677	
	--	8.0	1110	124	31	61	3	0	304	155	84	42	0.7	0.29	--	737	437
3-23-65				6.19	2.55	2.65	0.08		4.98	3.23	2.37	0.68					
				54	22	23	1		44	29	21	6				650	
1N/12W-35B 1 S	--	7.7	360	33	10	32	2	0	124	28	20	33.0	1.0	0.09	--	242	124
10-23-64				1.65	0.82	1.39	0.05		2.03	0.58	0.56	0.53					
				42	21	36	1		55	16	15	14				220	
	--	8.1	330	27	9	24	1	0	128	16	16	18	0.8	0.10	--	203	105
3-24-65				1.35	0.74	1.04	0.03		2.10	0.33	0.45	0.29					
				43	23	33	1		66	10	14	9				175	
MONK HILL HYDRO SUBAREA U05C2																	
1N/12W- 6M 6 S	--	7.4	476	49	16	26	2	0	210	19	26	18.0	0.6	0.08	39	315	189
10-23-64				2.45	1.32	1.13	0.05		3.44	0.40	0.73	0.29					
				49	27	23	1		71	8	15	6				299	
	59	8.0	1248	45	15	193	5	0	151	310	109	0	0.6	0.12	--	772	174
3-24-65				2.25	1.23	8.39	0.13		2.47	6.45	3.07						
				19	10	70	1		21	54	26					752	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
RAYMOND HYDRO SUBUNIT U05C0																	
MONK HILL HYDRO SUBAREA U05C2																	
1N/12W- 8H 1 S	--	7.4	600	67	23	29	3	0	303	24	17	28.0	1.0	0.14	30	380	262
10-23-64				3.34	1.89	1.26	0.08		4.97	0.50	0.48	0.45					
				51	29	19	1		78	8	8	7				371	
1N/12W- 8H 2 S	70	7.8	396	38	12	19	2	0	133	15	21	34	0.8	0	--	283	145
3-24-65				1.90	0.99	0.83	0.05		2.18	0.31	0.59	0.55					
				50	26	22	1		60	9	16	15				207	
1N/12W- 9E 1 S	--	7.7	320	36	7	24	1	0	133	3	17	26.0	1.2	0	--	244	119
10-23-64				1.80	0.58	1.04	0.03		2.18	0.06	0.48	0.42					
				52	17	30	1		69	2	15	13				181	
	72	7.8	300	25	10	18	1	0	120	4	15	20	1.0	0	--	228	104
3-24-65				1.25	0.82	0.78	0.03		1.97	0.08	0.42	0.32					
				43	28	27	1		71	3	15	11				153	
1N/12W- 9R 1 S	--	7.4	329	26	10	19	1	0	104	0	22	37	0.7	0	--	243	106
3-24-65				1.30	0.82	0.83	0.03		1.70		0.62	0.60					
				44	28	28	1		58		21	21				167	
SANTA ANITA HYDRO SUBAREA U05C3																	
1N/11W-21C 2 S	--	7.6	400	41	11	30	1	0	178	32	12	15.0	1.0	0.20	--	254	148
10-23-64				2.05	0.90	1.30	0.03		2.92	0.67	0.34	0.24					
				48	21	30	1		70	16	8	6				231	
	--	8.0	386	38	10	26	1	0	180	21	14	7	1.0	0.22	--	219	136
3-23-65				1.90	0.82	1.13	0.03		2.95	0.44	0.39	0.11					
				49	21	29	1		76	11	10	3				207	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
RAYMOND HYDRO SUBUNIT U05C0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SANTA ANITA HYDRO SUBAREA U05C3																	
1N/11W-21C 7 S	66	7.8	461	54	11	25	1	0	197	30	15	26	1.0	0.09	--	220	180
7- 2-65				2.69	0.90	1.09	0.03		3.23	0.62	0.42	0.42					
				57	19	23	1		69	13	9	9				260	
1N/11W-21G 2 S	--	7.8	480	44	7	50	2	0	193	36	21	27.0	0.8	0.16	--	312	139
10-23-64				2.20	0.58	2.17	0.05		3.16	0.75	0.59	0.44					
				44	12	43	1		64	15	12	9				283	
	--	7.7	616	67	21	25	2	0	240	48	26	29	0.7	0.14	--	375	254
3-23-65				3.34	1.73	1.09	0.05		3.93	1.00	0.73	0.47					
				54	28	18	1		64	16	12	8				337	
1N/11W-21H 3 S	68	7.8	521	41	9	59	1	0	200	72	16	8	1.3	0.22	--	320	140
7-28-65				2.05	0.74	2.57	0.03		3.28	1.50	0.51	0.13					
				38	14	48	1		61	28	9	2				308	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
1S/ 9W- 1E 1 S	69	8.2	914	100	35	42	2	0	204	128	54	140	--	--	--		394
8-10-65				4.99	2.88	1.83	0.05		3.34	2.66	1.52	2.26					
				51	30	19	1		34	27	16	23				601	
1S/ 9W- 2Q 1 S	70	8.1	620	61	21	33	2	0	192	53	32	65.0	--	--	--		239
8-10-65				3.04	1.73	1.43	0.05		3.15	1.10	0.90	1.05					
				49	28	23	1		51	18	15	17				361	
1S/ 9W- 3C 1 S	77	8.1	725	77	28	35	3	0	218	79	30	104	--	--	--		307
8-10-65				3.84	2.30	1.52	0.08		3.57	1.64	0.85	1.68					
				50	30	20	1		46	21	11	22				463	
1S/ 9W- 4R 1 S	71	7.9	643	64	22	33	3	0	188	52	43	65.0	--	--	--		250
8-10-65				3.19	1.81	1.43	0.08		3.08	1.08	1.21	1.05					
				49	28	22	1		48	17	19	16				374	
1S/10W- 3A 1 S	--	7.9	694	91	20	25	2	0	290	41	20	66.0	0.6	0.03	30	458	309
12- 9-64				4.54	1.64	1.09	0.05		4.75	0.85	0.56	1.06					
				62	22	15	1		66	12	8	15				438	
	69	7.5	722	87	22	30	2	0	289	42	24	70	--	--	--		308
8-11-65				4.34	1.81	1.30	0.05		4.74	0.87	0.68	1.13					
				58	24	17	1		64	12	9	15				419	
	69	8.1	694	89	22	26	2	0	281	43	21	75	0.5	0.03	--	440	313
9- 2-65				4.44	1.81	1.13	0.05		4.61	0.90	0.59	1.21					
				60	24	15	1		63	12	8	17				417	
1S/10W- 3C 2 S	--	8.1	636	86	17	24	3	0	273	39	26	44	0.3	0.19	--	390	285
8-31-65				4.29	1.40	1.04	0.08		4.47	0.81	0.73	0.71					
				63	21	15	1		67	12	11	11				374	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
1S/10W- 3D 1 S	--	7.8	438	61	12	12	3	0	226	33	7	6.0	0.3	0.06	--	281	202
12- 9-64				3.04	0.99	0.52	0.08		3.70	0.69	0.20	0.10					
				66	21	11	2		79	15	4	2				245	
	--	7.8	465	57	15	32	3	0	218	53	25	2.0	0.4	0.17	--	296	204
1-20-65				2.84	1.23	1.39	0.08		3.57	1.10	0.71	0.03					
				51	22	25	1		66	20	13	1				295	
	67	7.6	500	60	26	18	3	0	312	23	17	1	0.4	0.15	--	340	257
3-30-65				2.99	2.14	0.78	0.08		5.11	0.48	0.48	0.02					
				50	36	13	1		84	8	8					302	
	71	8.0	440	54	14	16	3	0	187	28	21	21	0.3	0.09	--	274	192
8-30-65				2.69	1.15	0.70	0.08		3.06	0.58	0.59	0.34					
				58	25	15	2		67	13	13	7				249	
1S/10W- 3K 3 S	--	8.0	677	84	21	23	3	0	256	46	21	83.0	0.6	0.04	--	450	296
12- 7-64				4.19	1.73	1.00	0.08		4.20	0.96	0.59	1.34					
				60	25	14	1		59	14	8	19				407	
	68	8.3	688	83	22	25	3	10	228	45	26	94	0.4	0.04	--	423	298
9- 1-65				4.14	1.81	1.09	0.08	0.33	3.74	0.94	0.73	1.52					
				58	25	15	1	5	52	13	10	21				421	
1S/10W- 4G 1 S	--	7.4	460	53	16	20	4	0	211	28	20	8.0	0.2	0.02	--	300	198
10- 9-64				2.64	1.32	0.87	0.10		3.46	0.58	0.56	0.13					
				54	27	18	2		73	12	12	3				253	
	--	7.8	509	74	13	11	4	0	231	31	14	30.0	0.4	0.08	--	280	238
12- 8-64				3.69	1.07	0.48	0.10		3.79	0.65	0.39	0.48					
				69	20	9	2		71	12	7	9				291	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0																	
MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
1S/10W- 4G 1 S	68	7.2	510	73	11	22	4	0	279	13	28	5	0.2	0.17	--	304	227
5-11-65				3.64	0.90	0.96	0.10		4.57	0.27	0.79	0.08					
				65	16	17	2		80	5	14	1				293	
	68	7.1	541	69	16	19	5	0	283	19	14	10	0.3	0.14	--	310	238
5-30-65				3.44	1.32	0.83	0.13		4.64	0.40	0.39	0.16					
				60	23	15	2		83	7	7	3				292	
1S/10W- 4R 2 S	--	7.7	629	85	16	21	3	0	264	41	20	53.0	0.4	0.03	--	417	278
12- 8-64				4.24	1.32	0.91	0.08		4.33	0.85	0.56	0.85					
				65	20	14	1		66	13	8	13				369	
1S/10W- 6N 1 S	--	7.9	393	56	11	8	3	0	187	30	10	9.0	0.4	0.05	--	200	185
12-11-64				2.79	0.90	0.35	0.08		3.06	0.62	0.28	0.15					
				68	22	8	2		74	15	7	4				219	
	64	8.2	430	56	14	8	3	0	194	30	17	9	0.3	0.03	--	209	197
9- 1-65				2.79	1.15	0.35	0.08		3.18	0.62	0.48	0.15					
				64	26	8	2		72	14	11	3				233	
1S/10W- 7A 1 S	73	8.0	716	96	20	15	3	0	215	49	88	18	--	--	--		322
8-10-65				4.79	1.64	0.65	0.08		3.52	1.02	2.48	0.29					
				67	23	9	1		48	14	34	4				395	
1S/10W- 7A 6 S	--	8.0	765	104	22	15	4	0	222	53	100	18.0	0.5	0.10	--	500	350
12- 8-64				5.19	1.81	0.65	0.10		3.64	1.10	2.82	0.29					
				67	23	8	1		46	14	36	4				426	
	63	7.9	740	68	49	17	4	0	228	54	111	15	0.2	0.08	--	534	371
5- 4-65				3.39	4.03	0.74	0.10		3.74	1.12	3.13	0.24					
				41	49	9	1		45	14	38	3				430	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0																	
MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
1S/10W- 7K 2 S	--	7.8	829	120	23	14	5	0	287	51	49	100.0	0.4	0.05	--	520	394
12- 8-64				5.99	1.89	0.61	0.13		4.70	1.06	1.38	1.61					
				69	22	7	2		54	12	16	18				504	
1S/10W- 8A 2 S	--	7.8	491	72	14	11	4	0	217	33	19	33.0	0.4	0.05	--	280	237
12- 8-64				3.59	1.15	0.48	0.10		3.56	0.69	0.54	0.53					
				67	22	9	2		67	13	10	10				293	
1S/10W- 9F 1 S	--	7.9	615	87	14	16	4	0	236	49	25	37.0	0.4	0.06	22	404	275
12- 9-64				4.34	1.15	0.70	0.10		3.87	1.02	0.71	0.60					
				69	18	11	2		62	16	11	10				370	
	68	8.2	619	87	16	18	4	0	232	55	26	48	0.3	0.06	--	375	283
8-31-65				4.34	1.32	0.78	0.10		3.80	1.15	0.73	0.77					
				66	20	12	2		59	18	11	12				368	
1S/10W- 9F 2 S	68	7.9	532	65	15	18	4	0	165	55	25	46	0.3	0.07	--	327	224
8-31-65				3.24	1.23	0.78	0.10		2.70	1.15	0.71	0.74					
				61	23	15	2		51	22	13	14				309	
1S/10W- 9H 2 S	--	8.0	563	73	15	20	2	0	232	38	15	49.0	0.6	0.03	27	367	244
12- 9-64				3.64	1.23	0.87	0.05		3.80	0.79	0.42	0.79					
				63	21	15	1		66	14	7	14				354	
	69	7.7	583	73	16	20	2	0	229	38	20	59	0.5	0.02	--	346	248
9- 1-65				3.64	1.32	0.87	0.05		3.75	0.79	0.56	0.95					
				62	22	15	1		62	13	9	16				341	
1S/10W-10C 1 S	--	7.7	586	73	19	18	3	0	219	50	15	59.0	0.4	0.04	28	382	260
12- 7-64				3.64	1.56	0.78	0.08		3.59	1.04	0.42	0.95					
				60	26	13	1		60	17	7	16				373	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0 MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
1S/10W-10C 1 S	65	7.9	570	70	23	21	3	0	220	51	22	59	0.1	0.06	--	376	269
5- 4-65				3.49	1.89	0.91	0.08		3.61	1.06	0.62	0.95					
				55	30	14	1		58	17	10	15				357	
	94	7.7	613	74	19	25	3	0	234	46	17	70	--	--	--		263
8-10-65				3.69	1.56	1.09	0.08		3.84	0.96	0.48	1.13					
				57	24	17	1		60	15	7	18				369	
	69	8.3	602	73	20	19	3	11	195	46	21	74	0.4	0.02	--	382	264
9- 1-65				3.64	1.64	0.83	0.08	0.37	3.20	0.96	0.59	1.19					
				59	26	13	1	6	51	15	9	19				363	
1S/10W-10P 1 S	--	8.0	584	71	19	21	3	0	220	52	14	59.0	0.5	0.02	--	397	255
12- 7-64				3.54	1.56	0.91	0.08		3.61	1.08	0.39	0.95					
				58	26	15	1		60	18	6	16				348	
	67	8.4	558	67	20	19	2	5	203	46	17	61	0.5	0	--	310	249
9- 1-65				3.34	1.64	0.83	0.05	0.17	3.33	0.96	0.48	0.98					
				57	28	14	1	3	56	16	8	17				337	
1S/10W-19N 1 S	--	7.8	460	48	23	21	4	0	228	29	17	26	0.1	0.09	--	306	215
5- 4-65				2.40	1.89	0.91	0.10		3.74	0.60	0.48	0.42					
				45	36	17	2		71	11	9	8				280	
1S/10W-20G 4 S	89	8.0	548	58	17	35	1	0	218	40	27	33	--	--	--		215
8-10-65				2.89	1.40	1.52	0.03		3.57	0.83	0.76	0.53					
				49	24	26	1		63	15	13	9				318	
1S/10W-23K 1 S	75	7.7	680	69	22	44	1	0	226	108	31	25	--	--	--		263
8-10-65				3.44	1.81	1.91	0.03		3.70	2.25	0.87	0.40					
				48	25	27			51	31	12	6				411	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0 MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
1S/10W-28K 5 S	70	7.8	622	61	21	42	2	0	232	80	24	26	0.5	0.04	--	425	239
7- 9-65				3.04	1.73	1.83	0.05		3.80	1.67	0.68	0.42					
				46	26	28	1		58	25	10	6				371	
1S/10W-30G 4 S	68	8.1	458	53	13	21	2	0	212	22	18	19	0.5	0	--	249	186
7- 7-65				2.64	1.07	0.91	0.05		3.47	0.46	0.51	0.31					
				57	23	19	1		73	10	11	7				253	
1S/10W-33D 3 S	70	7.7	644	65	21	40	1	0	217	80	33	35	0.4	0.04	--	450	249
7-28-65				3.24	1.73	1.74	0.03		3.56	1.67	0.93	0.56					
				48	26	26			53	25	14	8				382	
1S/11W- 1M 1 S	--	8.2	362	52	9	10	2	0	181	28	7	5.0	0.4	0.02	--	190	167
12-11-64				2.59	0.74	0.43	0.05		2.97	0.58	0.20	0.08					
				68	19	11	1		78	15	5	2				202	
	67	8.2	426	59	13	10	3	0	225	27	9	4.5	0.4	0.04	--	208	201
8-31-65				2.94	1.07	0.43	0.08		3.69	0.56	0.25	0.07					
				65	24	10	2		81	12	5	2				237	
1S/11W- 2J 1 S	68	7.7	601	86	20	15	2	0	337	27	10	14	--	--	--		297
8-11-65				4.29	1.64	0.65	0.05		5.52	0.56	0.28	0.23					
				65	25	10	1		84	8	4	3				340	
1S/11W- 2J 3 S	70	7.8	564	80	20	13	3	0	303	45	8	8	0.7	0.06	--	365	282
7-13-65				3.99	1.64	0.57	0.08		4.97	0.94	0.23	0.13					
				64	26	9	1		79	15	4	2				327	
1S/11W- 4L 2 S	68	8.2	536	57	20	21	1	0	187	23	23	70.0	--	--	--		224
8-10-65				2.84	1.64	0.91	0.03		3.06	0.48	0.65	1.13					
				52	30	17	1		58	9	12	21				307	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0 MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
1S/11W- 7N 2 S	69	7.9	345	35	12	19	0	0	181	7	8	11	--	--	--		137
8- 9-65				1.75	0.99	0.83			2.97	0.15	0.23	0.18					
				49	28	23			84	4	7	5				181	
1S/11W-10H 1 S	66	8.3	503	60	17	29	2	0	262	24	24	15.0	--	--	--		220
8-10-65				2.99	1.40	1.26	0.05		4.29	0.50	0.68	0.24					
				52	25	22	1		75	9	12	4				300	
1S/11W-10N 6 S	64	8.3	385	47	12	13	1	0	206	13	9	10	--	--	--		167
8-10-65				2.35	0.99	0.57	0.03		3.38	0.27	0.25	0.16					
				60	25	14	1		83	7	6	4				206	
1S/11W-11F 4 S	81	7.8	360	42	11	14	2	0	160	21	11	8.0	--	--	--		150
8-10-65				2.10	0.90	0.61	0.05		2.62	0.44	0.31	0.13					
				57	25	17	1		75	13	9	4				188	
1S/11W-12B 2 S	--	7.7	359	51	9	9	3	0	181	22	8	8.0	0.4	0.05	--	180	164
12-11-64				2.54	0.74	0.39	0.08		2.97	0.46	0.23	0.13					
				68	20	10	2		78	12	6	3				199	
1S/11W-12C 2 S	--	7.7	324	43	10	8	2	0	173	20	4	4	0.4	0.03	--	210	149
7-13-65				2.15	0.82	0.35	0.05		2.84	0.42	0.11	0.06					
				64	24	10	1		83	12	3	2				176	
1S/11W-13F 1 S	62	7.7	444	60	14	10	3	0	186	38	23	8	0.4	0.06	--	278	207
7-13-65				2.99	1.15	0.43	0.08		3.05	0.79	0.65	0.13					
				64	25	9	2		66	17	14	3				248	
1S/11W-14M 1 S	--	7.9	650	62	40	15	4	0	197	120	45	19	0.2	0.08	--	424	319
5- 4-65				3.09	3.29	0.65	0.10		3.23	2.50	1.27	0.31					
				43	46	9	1		44	34	17	4				402	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C	TDS Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																		
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0																		
MAIN SAN GABRIEL HYDRO SUBAREA U05D1																		
1S/11W-17B 5 S	69	8.3	358	39	10	21	1	0	200	11	8	0	--	--	--			139
8- 9-65				1.95	0.82	0.91	0.03		3.28	0.23	0.23							
				53	22	25	1		88	6	6						188	
1S/11W-17G 2 S	67	8.0	390	36	18	25	1	0	214	16	18	5	0.8	0.27	--	242		164
5- 4-65				1.80	1.48	1.09	0.03		3.51	0.33	0.51	0.08						
				41	34	25	1		79	7	12	2					225	
1S/11W-18H 1 S	68	8.2	390	43	14	19	1	0	192	9	11	24	--	--	--			165
8- 9-65				2.15	1.15	0.83	0.03		3.15	0.19	0.31	0.39						
				52	28	20	1		78	5	8	10					215	
1S/11W-19F 2 S	69	8.0	332	32	10	23	1	0	176	12	10	3	0.9	0.06	--	161		121
7- 7-65				1.60	0.82	1.00	0.03		2.88	0.25	0.28	0.05						
				46	24	29	1		83	7	8	1					178	
1S/11W-20L 1 S	74	8.3	390	44	13	19	1	0	205	13	10	10	--	--	--			164
8- 9-65				2.20	1.07	0.83	0.03		3.36	0.27	0.28	0.16						
				53	26	20	1		83	7	7	4					211	
1S/11W-21G 2 S	65	8.2	626	85	20	20	2	0	283	39	21	42	--	--	--			294
8- 9-65				4.24	1.64	0.87	0.05		4.64	0.81	0.59	0.68						
				62	24	13	1		69	12	9	10					368	
1S/11W-25Q 1 S	--	7.8	790	68	54	33	4	0	348	76	53	21	0.1	0.08	--	560		392
5- 4-65				3.39	4.44	1.43	0.10		5.70	1.58	1.49	0.34						
				36	47	15	1		63	17	16	4					480	
1S/11W-26K 1 S	66	7.9	600	64	27	36	4	0	221	85	44	18	0.2	0.14	--	392		271
5- 4-65				3.19	2.22	1.57	0.10		3.62	1.77	1.24	0.29						
				45	31	22	1		52	26	18	4					387	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0																	
MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
1S/11W-26L 7 S	68	8.1	942	108	24	61	5	0	232	188	69	32	--	--	--		368
8-10-65				5.39	1.97	2.65	0.13		3.80	3.91	1.95	0.52					
				53	19	26	1		37	38	19	5				601	
1S/11W-30C 3 S	--	7.9	430	40	19	27	1	0	207	37	19	6	0.6	0.17	--	284	178
5- 4-65				2.00	1.56	1.17	0.03		3.39	0.77	0.54	0.10					
				42	33	25	1		71	16	11	2				251	
1S/11W-30D 2 S	--	7.7	390	49	12	25	2	0	208	29	17	4	0.4	0.16	--	250	172
5- 4-65				2.45	0.99	1.09	0.05		3.41	0.60	0.48	0.06					
				53	22	24	1		75	13	11	1				241	
1S/11W-33N 7 S	--	7.8	900	93	55	46	3	0	202	221	85	8	0.2	0.17	--	642	458
5- 4-65				4.64	4.52	2.00	0.08		3.31	4.60	2.40	0.13					
				41	40	18	1		32	44	23	1				611	
1S/11W-33P 1 S	--	7.7	1080	111	36	79	6	0	221	279	90	18	0.1	0.19	--	772	425
5- 4-65				5.54	2.96	3.43	0.15		3.62	5.81	2.54	0.29					
				46	25	28	1		30	47	21	2				728	
1S/11W-36R 1 S	68	8.0	403	49	11	17	4	U	160	33	23	6	0.4	0.06	--	250	168
8-31-65				2.45	0.90	0.74	0.10		2.62	0.69	0.65	0.10					
				58	21	18	2		65	17	16	2				222	
1S/12W-11N 2 S	--	8.1	413	40	11	29	2	U	169	23	24	17.0	--	--	--		145
8-11-65				2.00	0.90	1.26	0.05		2.77	0.48	0.68	0.27					
				48	21	30	1		66	11	16	6				229	
1S/12W-24E 2 S	69	8.2	461	45	14	33	1	U	174	14	34	42	--	--	--		170
8-10-65				2.25	1.15	1.43	0.03		2.85	0.29	0.96	0.68					
				46	24	29	1		60	6	20	14				269	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
1S/12W-36A 2 S	81	7.9	375	38	13	20	1	0	201	14	8	0	--	--	--		149
8- 9-65				1.90	1.07	0.87	0.03		3.29	0.29	0.23						
				49	28	22	1		86	8	6					193	
2S/ 9W- 4K 1 S	--	7.5	990	92	62	41	2	U	360	192	53	18	0.2	0.14	--	686	485
5- 5-65				4.59	5.10	1.78	0.05		5.90	4.00	1.49	0.29					
				40	44	15			51	34	13	2				637	
2S/ 9W- 8R 3 S	--	8.2	1120	117	61	53	3	0	373	235	76	21	0.1	0.28	--	804	543
5- 5-65				5.84	5.02	2.30	0.08		6.11	4.89	2.14	0.34					
				44	38	17	1		45	36	16	3				750	
2S/ 9W-18E 4 S	68	7.5	1533	200	53	80	3	U	464	317	96	39	0.6	0.38	--	1140	718
7-28-65				9.98	4.36	3.48	0.08		7.60	6.60	2.71	0.63					
				56	24	19			43	38	15	4				1017	
2S/10W- 8E 2 S	--	7.8	1090	114	40	100	2	0	340	217	114	18	0.2	0.50	--	812	449
5- 5-65				5.69	3.29	4.35	0.05		5.57	4.52	3.21	0.29					
				43	25	33			41	33	24	2				773	
	69	7.5	1260	123	41	90	2	U	352	219	114	28	--	--	--		476
8-10-65				6.14	3.37	3.91	0.05		5.77	4.56	3.21	0.45					
				46	25	29			41	33	23	3				790	
2S/10W-10N 1 S	79	7.6	1106	86	21	115	14	U	260	177	122	0	--	--	--		301
8-10-65				4.29	1.73	5.00	0.36		4.26	3.69	3.44						
				38	15	44	3		37	32	30					663	
2S/10W-10P 2 S	--	7.5	1140	103	52	93	3	0	346	199	129	16	0.4	0.53	--	814	471
5- 5-65				5.14	4.28	4.04	0.08		5.67	4.14	3.64	0.26					
				38	32	30	1		41	30	27	2				766	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0																	
MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
2S/10W-13H 2 S	--	7.8	1280	124	56	93	3	0	341	236	138	30	0.6	0.55	--	910	540
5- 5-65				6.19	4.61	4.04	0.08		5.59	4.91	3.89	0.48					
				41	31	27	1		38	33	26	3				849	
2S/11W- 5A 1 S	67	7.6	1071	107	20	87	6	0	160	267	91	8	0.5	0.08	--	651	349
7- 2-65				5.34	1.64	3.78	0.15		2.62	5.56	2.57	0.13					
				49	15	35	1		24	51	24	1				665	
2S/11W- 5A 2 S	--	7.5	1080	115	24	76	5	0	176	268	92	6	0.6	0.14	--	752	386
7- 2-65				5.74	1.97	3.30	0.13		2.88	5.58	2.59	0.10					
				52	18	30	1		26	50	23	1				673	
2S/11W- 5B16 S	--	7.4	1152	152	29	52	6	0	231	294	81	11	0.5	0.12	--	738	498
7- 2-65				7.58	2.38	2.26	0.15		3.79	6.12	2.28	0.18					
				61	19	18	1		31	49	18	1				739	
2S/11W- 5G 1 S	64	8.3	583	79	15	24	3	0	193	98	33	5	--	--	--		259
8- 9-65				3.94	1.23	1.04	0.08		3.16	2.04	0.93	0.08					
				63	20	17	1		51	33	15	1				352	
2S/11W- 5N 4 S	65	8.3	608	84	15	24	3	0	207	104	32	0	--	--	--		271
8- 9-65				4.19	1.23	1.04	0.08		3.39	2.17	0.90						
				64	19	16	1		52	34	14					364	
2S/11W- 5N 5 S	64	8.2	847	114	21	40	4	0	221	186	57	8.0	--	--	--		371
8- 9-65				5.69	1.73	1.74	0.10		3.62	3.87	1.61	0.13					
				61	19	19	1		39	42	17	1				539	
2S/11W- 6G 2 S	76	8.3	899	94	21	76	2	0	245	191	62	0	--	--	--		321
8- 9-65				4.69	1.73	3.30	0.05		4.02	3.98	1.75						
				48	18	34	1		41	41	18					566	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0																	
MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
2S/11W- 8A 5 S	--	7.9	670	84	22	42	3	0	272	111	41	8	0.1	0.11	--	430	300
5- 4-65				4.19	1.81	1.83	0.08		4.46	2.31	1.16	0.13					
				53	23	23	1		55	29	14	2				445	
1N/ 9W-29C 1 S	--	8.1	620	71	24	33	6	0	273	76	24	31	0.4	0.06	--	430	276
5- 6-65				3.54	1.97	1.43	0.15		4.47	1.58	0.68	0.50					
				50	28	20	2		62	22	9	7				400	
1N/ 9W-29M 1 S	74	7.5	674	74	22	32	3	0	189	58	25	120	--	--	--		275
8-11-65				3.69	1.81	1.39	0.08		3.10	1.21	0.71	1.94					
				53	26	20	1		45	17	10	28				427	
1N/ 9W-32G 1 S	68	7.5	900	62	63	39	2	0	297	115	47	86	0.2	0.14	--	644	414
5- 5-65				3.09	5.18	1.70	0.05		4.87	2.39	1.33	1.39					
				31	52	17			49	24	13	14				560	
1N/10W-31A 1 S	--	8.1	488	68	14	12	3	0	231	34	13	26.0	0.4	0.05	--	280	227
12-10-64				3.39	1.15	0.52	0.08		3.79	0.71	0.37	0.42					
				66	22	10	2		72	13	7	8				284	
	70	8.1	457	65	11	11	3	0	210	30	11	16	0.4	0.06	--	290	207
8-30-65				3.24	0.90	0.48	0.08		3.44	0.62	0.31	0.26					
				69	19	10	2		74	13	7	6				251	
1N/10W-31M 1 S	--	7.7	575	81	17	12	4	0	254	33	18	47.0	0.4	0.04	--	330	272
12-10-64				4.04	1.40	0.52	0.10		4.16	0.69	0.51	0.76					
				67	23	9	2		68	11	8	12				337	
	68	8.0	429	55	14	12	3	0	202	29	10	17	0.3	0.05	--	252	195
8-30-65				2.74	1.15	0.52	0.08		3.31	0.60	0.28	0.27					
				61	26	12	2		74	13	6	6				240	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0																	
MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
1N/10W-32J 2 S	--	7.9	415	56	12	10	3	0	201	35	8	7.0	0.4	0.05	--	210	189
12- 9-64				2.79	0.99	0.43	0.08		3.29	0.73	0.23	0.11					
				65	23	10	2		75	17	5	3				230	
	72	8.0	411	54	13	13	3	0	206	35	7	5	--	--	--		188
8-10-65				2.69	1.07	0.57	0.08		3.38	0.73	0.20	0.08					
				61	24	13	2		77	17	5	2				231	
	64	8.2	407	53	15	11	3	0	203	35	8	4	0.3	0.06	--	237	194
8-30-65				2.64	1.23	0.48	0.08		3.33	0.73	0.23	0.06					
				60	28	11	2		77	17	5	1				229	
1N/10W-34L 1 S	--	7.9	496	70	13	12	4	0	218	28	13	38.0	0.4	0.04	21	323	228
12- 9-64				3.49	1.07	0.52	0.10		3.57	0.58	0.37	0.61					
				67	21	10	2		70	11	7	12				307	
	67	8.0	486	64	14	13	3	0	204	28	17	40	0.4	0.02	--	260	217
9- 2-65				3.19	1.15	0.57	0.08		3.34	0.58	0.48	0.65					
				64	23	11	2		66	11	10	13				280	
1N/10W-34N 1 S	--	7.7	440	41	22	14	4	0	198	19	16	22.0	0.2	0.07	--	356	193
10- 8-64				2.05	1.81	0.61	0.10		3.25	0.40	0.45	0.35					
				45	40	13	2		73	9	10	8				236	
	--	7.9	468	67	12	12	4	0	222	22	12	28.0	0.4	0.06	21	300	217
12- 9-64				3.34	0.99	0.52	0.10		3.64	0.46	0.34	0.45					
				67	20	11	2		74	9	7	9				288	
	--	8.2	470	55	23	15	3	0	232	29	19	23.0	0.2	0.19	--	302	232
1-19-65				2.74	1.89	0.65	0.08		3.80	0.60	0.54	0.37					
				51	35	12	1		72	11	10	7				281	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0																	
MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
1N/10W-34N 1 S	--	7.6	540	53	19	14	4	0	222	15	18	22	0.2	0.12	--	298	210
3-30-65				2.64	1.56	0.61	0.10		3.64	0.31	0.51	0.35					
				54	32	12	2		76	6	11	7				254	
	67	7.7	450	67	11	13	3	0	214	16	20	24	0.2	0.11	--	292	212
5-10-65				3.34	0.90	0.57	0.08		3.51	0.33	0.56	0.39					
				68	18	12	2		73	7	12	8				260	
	68	7.5	443	58	13	12	4	0	217	21	10	19	0.3	0.08	--	250	198
5-26-65				2.89	1.07	0.52	0.10		3.56	0.44	0.28	0.31					
				63	23	11	2		78	10	6	7				244	
1N/10W-34N 2 S	--	7.7	500	47	24	15	4	0	212	22	21	26.0	0.2	0.10	--	386	216
10- 8-64				2.35	1.97	0.65	0.10		3.47	0.46	0.59	0.42					
				46	39	13	2		70	9	12	9				264	
	--	7.5	532	76	12	13	4	0	234	23	20	37.0	0.4	0.07	--	280	239
12- 8-64				3.79	0.99	0.57	0.10		3.84	0.48	0.56	0.60					
				70	18	10	2		70	9	10	11				300	
	--	8.1	480	57	23	13	4	0	215	31	20	32.0	0.2	0.12	--	310	237
1-20-65				2.84	1.89	0.57	0.10		3.52	0.65	0.56	0.52					
				53	35	11	2		67	12	11	10				286	
	68	8.0	440	65	12	8	1	0	214	19	15	24	0.4	0.09	--	304	212
3-30-65				3.24	0.99	0.35	0.03		3.51	0.40	0.42	0.39					
				70	21	8	1		74	8	9	8				250	
	68	7.7	480	69	15	14	3	0	237	23	21	26	0.2	0.11	--	296	234
5-10-65				3.44	1.23	0.61	0.08		3.88	0.48	0.59	0.42					
				64	23	11	1		72	9	11	8				288	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
SAN GABRIEL VALLEY HYDRO SUBUNIT U05D0																	
MAIN SAN GABRIEL HYDRO SUBAREA U05D1																	
1N/10W-34N 2 S	68	7.6	496	70	12	12	4	0	229	20	14	25	0.4	0.06	--	280	224
5-26-65				3.49	0.99	0.52	0.10		3.75	0.42	0.39	0.40					
				68	19	10	2		76	8	8	8				270	
1N/11W-36R 1 S	--	8.0	443	60	10	14	4	0	187	32	19	15.0	0.4	0.05	--	230	191
12-10-64				2.99	0.82	0.61	0.10		3.06	0.67	0.54	0.24					
				66	18	13	2		68	15	12	5				246	
UPPER CANYON HYDRO SUBAREA U05D3																	
1N/10W-22M 1 S	61	8.0	470	42	28	20	4	0	230	38	16	19	0.2	0.08	--	300	220
5- 6-65				2.10	2.30	0.87	0.10		3.77	0.79	0.45	0.31					
				39	43	16	2		71	15	8	6				280	
1N/10W-23B 1 S	87	7.6	729	70	18	62	4	0	221	133	45	6.0	--	--	--		249
8-11-65				3.49	1.48	2.70	0.10		3.62	2.77	1.27	0.10					
				45	19	35	1		47	36	16	1				447	
1N/10W-27C 1 S	66	7.7	354	46	10	14	3	0	186	28	4	0	--	--	--		156
8-11-65				2.30	0.82	0.61	0.08		3.05	0.58	0.11						
				60	22	16	2		82	16	3					196	
1N/10W-27C 2 S	64	8.0	420	56	15	13	4	0	226	34	13	4	0.2	0.12	--	252	201
5- 6-65				2.79	1.23	0.57	0.10		3.70	0.71	0.37	0.06					
				59	26	12	2		76	15	8	1				250	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value										Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3		Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SPADRA HYDRO SUBUNIT				U05E0		L A SAN GABRIEL RIVER HYDRO UNIT U0500												
SPADRA HYDRO SUBAREA				U05E1														
1S/ 9W-26H 1 S	68	7.8	730	32	66	29	2	0	257	128	38	34		0.2	0.11	--	520	352
5- 5-65				1.60	5.43	1.26	0.05		4.21	2.66	1.07	0.55						
				19	65	15	1		50	31	13	6					456	
1S/ 9W-34B 1 S	73	7.9	818	114	25	28	2	0	272	143	33	37.0		--	--	--		
8-11-65				5.69	2.06	1.22	0.05		4.46	2.98	0.93	0.60						388
				63	23	14	1		50	33	10	7					516	
1S/ 9W-34F 2 S	68	7.7	940	80	57	42	2	0	315	151	60	43		0.2	0.44	--	646	434
5- 5-65				3.99	4.69	1.83	0.05		5.16	3.14	1.69	0.69						
				38	44	17			48	29	16	6					590	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANAHEIM HYDRO SUBUNIT U05F0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
ANAHEIM HYDRO SUBAREA U05F1																	
3S/ 9W-32H 3 S 3- 3-65	--	7.6	1271	-- --	-- --	-- --	-- --	0 0	248 4.06	292 6.08	109 3.07	--	--	--	--		
3S/ 9W-33H 1 S 10-13-64	--	7.6	854	-- --	-- --	-- --	-- --	0 0	239 3.92	115 2.39	82 2.31	--	--	--	--		
3- 3-65	--	7.6	876	-- --	-- --	-- --	-- --	0 0	244 4.00	114 2.37	84 2.37	--	--	--	--		
3S/ 9W-33K 1 S 10-13-64	66	7.6	1059	-- --	-- --	-- --	-- --	0 0	198 3.25	240 5.00	91 2.57	--	--	--	--		
3- 3-65	68	7.5	1059	-- --	-- --	-- --	-- --	0 0	198 3.25	246 5.12	91 2.57	--	--	--	--		
3S/ 9W-34G 1 S 10-13-64	--	7.8	861	-- --	-- --	-- --	-- --	0 0	251 4.11	104 2.17	85 2.40	--	--	--	--		
3- 3-65	--	7.6	1070	106 5.29 47	22 1.81 16	91 3.96 35	4 0.10 1	0 0	188 3.08 28	254 5.29 48	93 2.62 24	3 0.05	0.6 0.6	0.06 0.06	20 20	724 686	355 355
3S/ 9W-34H 1 S 10-13-64	70	7.6	977	-- --	-- --	-- --	-- --	0 0	293 4.80	-- --	80 2.26	--	--	--	--		

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
ANAHEIM HYDRO SUBUNIT U05F0																	
ANAHEIM HYDRO SUBAREA U05F1																	
3S/ 9W-34H 1 S	69	7.6	933	--	--	--	--	0	270	--	74	--	--	--	--		
3- 3-65									4.43		2.09						
3S/ 9W-34M 1 S	--	7.5	1240	--	--	--	--	0	220	295	102	--	--	--	--		
10-13-64									3.61	6.14	2.88						
	--	7.6	1232	--	--	--	--	0	209	294	101	--	--	--	--		
3- 3-65									3.43	6.12	2.85						
3S/10W-32F 1 S	--	7.7	1080	129	23	66	4	0	311	140	97	27	0.4	0.10	--	667	417
6-22-65				6.44	1.89	2.87	0.10		5.10	2.91	2.74	0.44					
				57	17	25	1		46	26	24	4				639	
3S/10W-36H 1 S	65	7.8	678	--	--	--	--	0	235	75	51	--	--	--	--		
3-17-65									3.85	1.56	1.44						
4S/ 9W- 4M 2 S	68	7.5	1210	104	30	104	5	0	199	292	114	9	0.5	0.10	15	834	383
3-23-65				5.19	2.47	4.52	0.13		3.26	6.08	3.21	0.15					
				42	20	37	1		26	48	25	1				771	
4S/ 9W- 6G 2 S	--	7.6	1117	--	--	--	--	0	176	278	96	--	--	--	--		
3- 3-65									2.88	5.79	2.71						
4S/10W- 1B 1 S	68	7.6	1059	--	--	--	--	0	144	--	89	--	--	--	--		
3-17-65									2.36		2.51						

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
ANAHEIM HYDRO SUBUNIT U05F0																	
ANAHEIM HYDRO SUBAREA U05F1																	
4S/10W- 1F 1 S	--	7.7	1129	121	25	82	4	0	182	266	98	26.0	0.6	0.06	23	793	405
10-22-64				6.04	2.06	3.57	0.10		2.98	5.54	2.76	0.42					
				51	18	30	1		25	47	24	4				735	
	67	7.6	1123	--	--	--	--	0	173	268	95	--	--	--	--		
3- 3-65									2.84	5.58	2.68						
4S/10W- 3P 1 S	--	7.7	993	109	25	62	5	0	251	168	85	12	0.4	0.06	--	628	375
11-27-64				5.44	2.06	2.70	0.13		4.11	3.50	2.40	0.19					
				53	20	26	1		40	34	24	2				590	
	--	7.7	1018	106	30	62	5	0	246	181	84	13	0.5	0.09	--	716	388
5-18-65				5.29	2.47	2.70	0.13		4.03	3.77	2.37	0.21					
				50	23	25	1		39	36	23	2				602	
4S/10W- 3P 2 S	--	7.5	1020	117	22	64	5	0	237	189	87	12	0.4	0.07	--	630	383
11-27-64				5.84	1.81	2.78	0.13		3.88	3.93	2.45	0.19					
				55	17	26	1		37	38	23	2				613	
	--	7.6	1030	116	22	64	5	0	220	200	86	9	0.5	0.09	--	678	380
4-20-65				5.79	1.81	2.78	0.13		3.61	4.16	2.43	0.15					
				55	17	26	1		35	40	23	1				611	
4S/10W- 4R 1 S	--	7.5	1070	124	23	64	5	0	239	202	87	18	0.6	0.08	--	701	404
4-20-65				6.19	1.89	2.78	0.13		3.92	4.21	2.45	0.29					
				56	17	25	1		36	39	23	3				641	
4S/10W- 4R 5 S	--	7.8	1050	127	21	60	5	0	260	178	92	19	0.5	0.07	--	660	404
11-27-64				6.34	1.73	2.61	0.13		4.26	3.71	2.59	0.31					
				59	16	24	1		39	34	24	3				630	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
ANAHEIM HYDRO SUBUNIT U05F0																	
ANAHEIM HYDRO SUBAREA U05F1																	
4S/10W- 4R 5 S	--	7.7	1040	120	24	57	5	0	263	159	87	24	0.6	0.08	--	699	398
5-21-65				5.99	1.97	2.48	0.13		4.31	3.31	2.45	0.39					
				57	19	23	1		41	32	23	4				606	
4S/10W- 4R 6 S	--	7.4	1040	122	26	62	5	0	249	188	93	13	0.6	0.13	--	675	412
3-24-65				6.09	2.14	2.70	0.13		4.08	3.91	2.62	0.21					
				55	19	24	1		38	36	24	2				632	
4S/10W- 6P 1 S	--	7.8	558	65	13	34	3	0	229	61	28	6	0.6	0.07	--	342	216
6-16-65				3.24	1.07	1.48	0.08		3.75	1.27	0.79	0.10					
				55	18	25	1		63	21	13	2				323	
4S/10W- 7Q 2 S	--	7.9	660	--	--	--	--	0	253	84	36	--	--	--	--		
10-22-64									4.15	1.75	1.02						
	--	7.7	673	--	--	--	--	0	251	82	33	--	--	--	--		
3- 3-65									4.11	1.71	0.93						
4S/10W-18C 2 S	--	7.7	858	100	21	47	4	0	253	114	69	22	0.6	0.06	--	564	336
7-13-65				4.99	1.73	2.04	0.10		4.15	2.37	1.95	0.35					
				56	20	23	1		47	27	22	4				502	
4S/11W- 8B 2 S	--	7.9	478	40	10	42	2	0	222	36	13	1	0.6	0.10	--	275	141
6-16-65				2.00	0.82	1.83	0.05		3.64	0.75	0.37	0.02					
				43	17	39	1		76	16	8					254	
4S/11W- 8P 2 S	--	7.2	482	47	9	39	2	0	222	38	11	0	0.5	0.08	--	235	155
1-19-65				2.35	0.74	1.70	0.05		3.64	0.79	0.31						
				49	15	35	1		77	17	7					256	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANAHEIM HYDRO SUBUNIT U05F0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
ANAHEIM HYDRO SUBAREA U05F1																	
4S/11W- 8P 2 S	--	7.9	476	47	9	40	2	0	226	36	13	0	0.4	0.06	--	246	155
6-22-65				2.35	0.74	1.74	0.05		3.70	0.75	0.37						
				48	15	36	1		77	16	8					259	
4S/11W- 9A 1 S	--	7.9	450	46	11	35	2	0	229	31	11	1	0.5	0.08	--	268	160
6-10-65				2.30	0.90	1.52	0.05		3.75	0.65	0.31	0.02					
				48	19	32	1		79	14	7					250	
4S/11W-11H 1 S	--	7.5	579	63	15	36	3	0	233	65	26	4	0.6	0.06	--	336	219
12-16-64				3.14	1.23	1.57	0.08		3.82	1.35	0.73	0.06					
				52	20	26	1		64	23	12	1				327	
	--	7.8	582	57	18	35	3	0	233	61	28	5.5	0.6	0.05	--	347	216
7-13-65				2.84	1.48	1.52	0.08		3.82	1.27	0.79	0.09					
				48	25	26	1		64	21	13	2				323	
4S/11W-12E 1 S	--	7.9	756	88	20	47	4	0	271	120	45	1	0.6	0.08	--	460	302
6-16-65				4.39	1.64	2.04	0.10		4.44	2.50	1.27	0.02					
				54	20	25	1		54	30	15					459	
4S/11W-12F 2 S	--	7.5	748	90	14	40	4	0	243	93	43	12	0.5	0.06	--	414	282
6-22-65				4.49	1.15	1.74	0.10		3.98	1.94	1.21	0.19					
				60	15	23	1		54	27	17	3				416	
4S/11W-12R 1 S	--	7.5	890	109	21	52	5	0	272	126	59	20	0.6	0.08	--	597	359
2-16-65				5.44	1.73	2.26	0.13		4.46	2.62	1.66	0.32					
				57	18	24	1		49	29	18	4				526	
	--	7.8	866	107	22	46	4	0	268	125	62	26	0.6	0.09	--	612	358
6-16-65				5.34	1.81	2.00	0.10		4.39	2.60	1.75	0.42					
				58	20	22	1		48	28	19	5				524	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value										Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3		Fluoride F	Boron B	Silica SiO_2	TDS Evap 80°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																		
ANAHEIM HYDRO SUBUNIT U05F0																		
ANAHEIM HYDRO SUBAREA U05F1																		
4S/11W-12R 1 S	--	7.8	872	109	18	46	5	0	266	126	62	21		0.6	0.08	--	541	346
8-30-65				5.44	1.48	2.00	0.13		4.36	2.62	1.75	0.34						
				60	16	22	1		48	29	19	4					518	
4S/11W-12R 6 S	--	7.6	863	92	22	52	4	0	232	148	55	25		0.7	0.09	--	523	320
10-26-64				4.59	1.81	2.26	0.10		3.80	3.08	1.55	0.40						
				52	21	26	1		43	35	18	5					513	
	--	7.6	872	99	21	54	4	0	244	151	49	25		0.8	0.08	--	579	334
5-17-65				4.94	1.73	2.35	0.10		4.00	3.14	1.38	0.40						
				54	19	26	1		45	35	15	4					524	
4S/11W-13A 3 S	--	7.6	851	95	19	58	4	0	240	168	52	0.6		0.7	0.04	--	506	315
8-30-65				4.74	1.56	2.43	0.10		3.93	3.50	1.47	0.01						
				54	18	28	1		44	39	16						513	
4S/11W-15M 1 S	--	8.2	425	47	10	31	3	0	217	33	10	0		0.6	0.06	--	230	159
6-16-65				2.35	0.82	1.35	0.08		3.56	0.69	0.28							
				51	18	29	2		79	15	6						241	
4S/11W-16C 1 S	--	7.8	478	51	11	35	2	0	234	36	14	0		0.5	0.03	--	255	172
11-25-64				2.54	0.90	1.52	0.05		3.84	0.75	0.39							
				51	18	30	1		77	15	8						265	
4S/11W-16E 1 S	--	8.0	505	57	12	35	2	0	266	30	13	1		0.5	0.09	--	310	192
6-16-65				2.84	0.99	1.52	0.05		4.36	0.62	0.37	0.02						
				53	18	28	1		81	12	7						281	
4S/11W-16G 1 S	--	7.9	494	48	13	31	3	0	224	45	14	0		0.7	0.09	--	260	174
8-30-65				2.40	1.07	1.35	0.08		3.67	0.94	0.39							
				49	22	28	2		73	19	8						265	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
ANAHEIM HYDRO SUBUNIT U05F0 / ANAHEIM HYDRO SUBAREA U05F1																	
4S/11W-16J 4 S	--	7.6	649	76	16	39	3	0	270	73	32	0	0.6	0.04	--	379	256
12-15-64				3.79	1.32	1.70	0.08		4.43	1.52	0.90						
				55	19	25	1		65	22	13					372	
	--	7.8	647	80	13	39	3	0	273	65	30	0	0.7	0.05	--	399	253
5-17-65				3.99	1.07	1.70	0.08		4.47	1.35	0.85						
				58	16	25	1		67	20	13					365	
4S/11W-19J 3 S	--	7.6	470	46	5	42	2	0	224	39	14	0	0.9	0.04	--	264	136
3-23-65				2.30	0.41	1.83	0.05		3.67	0.81	0.39						
				50	9	40	1		75	17	8					259	
	68	8.0	444	42	10	36	2	0	215	38	13	1	0.5	0.05	--	280	146
6-16-65				2.10	0.82	1.57	0.05		3.52	0.79	0.37	0.02					
				46	18	35	1		75	17	8					248	
	--	7.6	476	44	9	40	2	0	217	42	15	0	0.5	0.04	--	278	147
7-13-65				2.20	0.74	1.74	0.05		3.56	0.87	0.42						
				47	16	37	1		73	18	9					259	
4S/11W-19Q 2 S	--	7.5	450	42	9	38	2	0	209	37	16	0	0.3	0.06	--	256	142
10-26-64				2.10	0.74	1.65	0.05		3.43	0.77	0.45						
				46	16	36	1		74	17	10					247	
	--	7.8	454	43	8	39	2	0	212	36	11	0	0.5	0.05	--	273	141
5-17-65				2.15	0.66	1.70	0.05		3.47	0.75	0.31						
				47	14	37	1		77	17	7					244	
4S/11W-20R 2 S	--	7.7	511	53	12	36	3	0	226	49	13	0	0.6	0.06	--	300	182
4-20-65				2.64	0.99	1.57	0.08		3.70	1.02	0.37						
				50	19	30	2		73	20	7					278	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
ANAHEIM HYDRO SUBUNIT U05F0																	
ANAHEIM HYDRO SUBAREA U05F1																	
4S/11W-21L 1 S	--	7.7	800	94	19	46	2	0	254	113	55	2	0.6	0.03	--	498	313
2-16-65				4.69	1.56	2.00	0.05		4.16	2.35	1.55	0.03					
				57	19	24	1		51	29	19					456	
	--	7.3	805	98	19	44	2	0	251	118	62	1.2	0.6	0.05	--	538	323
7-13-65				4.89	1.56	1.91	0.05		4.11	2.46	1.75	0.02					
				58	19	23	1		49	29	21					468	
4S/12W-36N 6 S	--	7.8	33100	1080	793	7040	58	0	181	1940	13500	0	--	--	--	24600	5960
7- 9-65				53.89	65.22	306.10	1.48		2.97	40.39	380.70						
				13	15	72			1	10	90					24500	
4S/12W-36N 7 S	73	8.2	431	3	8	77	1	0	168	41	18	0	--	--	--	316	41
1- 6-65				0.15	0.66	3.35	0.03		2.75	0.85	0.51						
				4	16	80	1		67	21	12					231	
	--	8.3	437	15	6	72	1	0	159	42	27	0	--	--	--	322	62
7- 9-65				0.75	0.49	3.13	0.03		2.61	0.87	0.76						
				17	11	71	1		62	21	18					241	
5S/12W- 1A 1 S	--	8.0	325	8	4	62	1	0	162	12	12	--	--	--	11		37
3- 4-65				0.40	0.33	2.70	0.03		2.66	0.25	0.34					204	
5S/12W- 1G 2 S	--	8.4	421	39	8	46	3	0	202	38	16	0	--	--	--		131
7-15-65				1.95	0.66	2.00	0.08		3.31	0.79	0.45						
				42	14	43	2		73	17	10					249	
5S/12W- 1G 3 S	--	8.4	378	19	2	62	2	0	155	39	17	0	--	--	--		56
7-14-65				0.95	0.16	2.70	0.05		2.54	0.81	0.48						
				25	4	70	1		66	21	13					217	

TABLE E-I

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
ANAHEIM HYDRO SUBUNIT U05F0																	
ANAHEIM HYDRO SUBAREA U05F1																	
5S/12W-11J 2 S	--	8.6	356	8	1	74	1	0	205	0	16	0.0	--	--	--		24
10-21-64				0.40	0.08	3.22	0.03		3.36		0.45						
				11	2	86	1		88		12					201	
5S/12W-11J 3 S	--	8.6	752	25	4	133	2	0	268	0	106	4.0	--	--	--		79
10-21-64				1.25	0.33	5.78	0.05		4.39		2.99	0.06					
				17	4	78	1		59		40	1				406	
5S/12W-11P 1 S	--	8.5	3289	75	31	594	7	0	576	40	795	0.0	--	--	--		315
10-14-64				3.74	2.55	25.83	0.18		9.44	0.83	22.42						
				12	8	80	1		29	3	69					1825	
5S/12W-12C 1 S	--	8.1	333	9	4	64	1	0	163	13	14	--	--	--	12		39
3- 4-65				0.45	0.33	2.78	0.03		2.67	0.27	0.39					195	
	--	8.1	317	7	0	67	1	0	161	12	11	1	0.6	0.06	--	180	18
6-16-65				0.35		2.91	0.03		2.64	0.25	0.31	0.02					
				11		88	1		82	8	10	1				179	
5S/12W-12F 2 S	--	8.8	406	9	1	97	2	0	238	0	42	0	--	--	--		27
10-23-64				0.45	0.08	4.22	0.05		3.90		1.18						
				9	2	88	1		77		23					268	
LA HABRA HYDRO SUBAREA U05F2																	
3S/10W- 4D 1 S	--	7.5	1037	90	38	68	5	0	315	188	66	0	0.7	0.08	34	675	381
4-30-65				4.49	3.13	2.96	0.13		5.16	3.91	1.86						
				42	29	28	1		47	36	17					645	

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
ANAHEIM HYDRO SUBUNIT U05F0																	
LA HABRA HYDRO SUBAREA U05F2																	
3S/10W- 4D 2 S 4-30-65	80	7.5	1588	-- --	-- --	-- --	-- --	0 0	352 5.77	-- --	115 3.24	0 0	--	--	--		
3S/10W- 7H 3 S 4-30-65	--	7.2	1680	175 8.73 55	35 2.88 18	96 4.17 26	2 0.05	0	287 4.70 29	82 1.71 11	306 8.63 53	73 1.18 7	0.4	0.08	59	1090 970	581
3S/10W- 9H 1 S 4-30-65	--	7.4	1059	-- --	-- --	-- --	-- --	0 0	331 5.43	-- --	51 1.44	105 1.69	--	--	--		
3S/10W-10M 1 S 4-30-65	--	7.7	908	-- --	-- --	-- --	-- --	0 0	252 4.13	-- --	106 2.99	19 0.31	--	--	--		
3S/10W-15B 1 S 4-30-65	72	7.2	1529	124 6.19 39	55 4.52 28	118 5.13 32	5 0.13 1	0 0	289 4.74 30	292 6.08 38	155 4.37 27	52 0.84 5	0.3	0.08	38	1034 981	536
YORBA LINDA HYDRO SUBAREA U05F3																	
3S/ 9W- 2P 1 S 3-17-65	98	8.1	6558	-- --	-- --	-- --	-- --	237 7.90	2679 43.91	-- --	931 26.25	-- --	--	--	--		
3S/ 9W-19B 2 S 3-23-65	--	7.7	1240	-- --	-- --	-- --	-- --	0 0	441 7.23	-- --	118 3.33	37 0.60	--	--	--		

TABLE E-1

ANALYSES OF GROUND WATER
LOS ANGELES DRAINAGE PROVINCE (U)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANAHEIM HYDRO SUBUNIT U05F0 — L A SAN GABRIEL RIVER HYDRO UNIT U0500																	
YORBA LINDA HYDRO SUBAREA U05F3																	
3S/ 9W-21D 1 S 4-14-65	--	7.6	1037	--	--	--	--	0	432 7.08	--	66 1.86	0	--	--	--		
3S/ 9W-21D 2 S 4-14-65	--	7.7	1048	--	--	--	--	0	433 7.10	--	60 1.69	0	--	--	--		
3S/ 9W-21M 2 S 4-14-65	--	8.0	924	--	--	--	--	2 0.07	377 6.18	--	71 2.00	0	--	--	--		
3S/ 9W-28L 2 S 4-14-65	--	7.3	1303	--	--	--	--	0	326 5.34	--	264 7.44	--	--	--	--		

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
AMARGOSA HYDRO SUBUNIT				W09D0		AMARGOSA HYDRO UNIT						W0900					
AMARGOSA HYDRO SUBAREA					W09D2												
20N/ 7E-33L 1 S 6- 6-65	105	8.7	3500	20 1.00 2	10 0.82 2	920 40.00 96	2 0.05	73 2.43 6	499 8.18 20	591 12.30 30	645 18.19 44	0	1.6	8.10	--	2476 2516	91

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO UNIT W2600																	
ANTELOPE HYDRO SUBUNIT W26A0																	
CHAFEE HYDRO SUBAREA W26A1																	
11N/12W-26J 2 S	74	7.5	333	22	7	40	2	0	139	37	10	2	0.3	0.06	--	230	84
6- 9-65				1.10	0.58	1.74	0.05		2.28	0.77	0.28	0.03					
				32	17	50	1		68	23	8	1				189	
11N/12W-32E 1 S	--	7.8	501	35	9	55	2	0	107	133	15	0	0.5	0.09	--	300	125
6-23-65				1.75	0.74	2.39	0.05		1.75	2.77	0.42						
				35	15	48	1		35	56	9					302	
GLOSTER HYDRO SUBAREA W26A2																	
10N/12W-19D 1 S	--	8.0	400	36	5	50	2	0	136	67	26	4	0.2	0.11	--	252	111
6- 3-65				1.80	0.41	2.17	0.05		2.23	1.39	0.73	0.06					
				41	9	49	1		51	32	17	1				257	
10N/12W-20C 1 S	72	7.5	401	33	4	45	2	0	129	69	17	2	0.3	0.10	--	260	99
6- 3-65				1.65	0.33	1.96	0.05		2.11	1.44	0.48	0.03					
				41	8	49	1		52	35	12	1				236	
10N/12W-20C 4 S	74	7.5	404	31	7	43	2	0	132	68	17	3	0.3	0.10	--	270	107
6- 3-65				1.55	0.58	1.87	0.05		2.16	1.42	0.48	0.05					
				38	14	46	1		53	35	12	1				236	
10N/12W-21P 1 S	--	7.9	380	34	7	41	1	0	122	70	19	3	0.4	0.18	--	236	114
6- 3-65				1.70	0.58	1.78	0.03		2.00	1.46	0.54	0.05					
				42	14	44	1		49	36	13	1				235	
10N/13W-24C 2 S	--	7.7	380	28	5	49	1	0	112	68	27	4	0.2	0.14	--	204	91
6- 9-65				1.40	0.41	2.13	0.03		1.84	1.42	0.76	0.06					
				35	10	54	1		45	35	19	1				237	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO UNIT W2600																	
ANTELOPE HYDRO SUBUNIT W26A0																	
WILLOW SPRINGS HYDRO SUBAREA W26A3																	
9N/13W- 5M 1 S	76	8.0	430	23	4	67	2	0	124	81	20	6	0.4	0.16	--	272	74
6- 4-65				1.15	0.33	2.91	0.05		2.03	1.69	0.56	0.10					
				26	7	66	1		46	39	13	2				264	
9N/13W- 7R 4 S	--	7.7	489	41	6	55	2	0	137	99	22	5	0.4	0.06	--	305	127
6- 4-65				2.05	0.49	2.39	0.05		2.25	2.06	0.62	0.08					
				41	10	48	1		45	41	12	2				298	
10N/13W-18P 1 S	--	8.2	560	60	18	45	2	0	289	56	20	5	0.2	0.23	--	360	224
6- 9-65				2.99	1.48	1.96	0.05		4.74	1.17	0.56	0.08					
				46	23	30	1		72	18	9	1				349	
10N/14W-36A 1 S	79	7.9	760	62	10	85	3	0	104	252	27	8	0.4	0.09	--	506	196
6- 4-65				3.09	0.82	3.70	0.08		1.70	5.25	0.76	0.13					
				40	11	48	1		22	67	10	2				499	
NEENACH HYDRO SUBAREA W26A4																	
8N/15W- 1E 1 S	78	7.9	410	45	12	34	2	0	203	28	19	11	0.2	0.14	--	254	162
6- 4-65				2.25	0.99	1.48	0.05		3.33	0.58	0.54	0.18					
				47	21	31	1		72	13	12	4				251	
8N/15W-10P 1 S	--	8.1	400	32	9	40	2	0	160	27	20	20	0.2	0.12	--	268	117
6- 2-65				1.60	0.74	1.74	0.05		2.62	0.56	0.56	0.32					
				39	18	42	1		65	14	14	8				229	
8N/15W-24B 2 S	--	8.0	400	40	6	36	2	0	173	17	16	25	0.5	0.10	--	245	125
6- 8-65				2.00	0.49	1.57	0.05		2.84	0.35	0.45	0.40					
				49	12	38	1		70	9	11	10				228	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO UNIT W-																	
ANTELOPE HYDRO SUBUNIT W26A0																	
NEENACH HYDRO SUBAREA W26A4																	
8N/16W- 5C 1 S	--	8.0	440	35	15	45	1	0	207	38	17	15	0.2	0.38	--	280	149
6- 2-65				1.75	1.23	1.96	0.03		3.39	0.79	0.48	0.24					
				35	25	39	1		69	16	10	5				268	
8N/16W- 5M 1 S	--	8.0	520	24	32	45	2	0	231	67	20	11	0.2	0.38	--	332	192
6- 2-65				1.20	2.63	1.96	0.05		3.79	1.39	0.56	0.18					
				21	45	34	1		64	23	9	3				315	
8N/16W- 6M 1 S	--	8.0	550	48	21	51	2	0	220	75	25	19	0.6	0.90	--	326	207
6- 2-65				2.40	1.73	2.22	0.05		3.61	1.56	0.71	0.31					
				38	27	35	1		58	25	11	5				351	
8N/16W-14L 1 S	--	7.3	345	13	3	59	2	0	140	30	11	16	0.9	0.14	--	238	45
6- 8-65				0.65	0.25	2.57	0.05		2.29	0.62	0.31	0.26					
				18	7	73	1		66	18	9	7				204	
8N/16W-18H 1 S	--	8.2	410	18	4	78	1	0	214	23	11	11	1.0	0.27	--	284	62
6- 2-65				0.90	0.33	3.39	0.03		3.51	0.48	0.31	0.18					
				19	7	73	1		78	11	7	4				252	
9N/14W-21D 1 S	78	7.9	440	36	13	43	2	0	189	38	22	8	0.2	0.30	--	254	144
6- 4-65				1.80	1.07	1.87	0.05		3.10	0.79	0.62	0.13					
				38	22	39	1		67	17	13	3				255	
9N/14W-30K 1 S	78	7.9	310	24	3	41	?	0	135	19	13	12	0.2	0.08	--	206	73
6- 4-65				1.20	0.25	1.78	0.05		2.21	0.40	0.37	0.19					
				37	8	54	2		70	13	12	6				181	
9N/14W-32D 1 S	--	7.8	346	34	6	32	1	0	157	17	15	12	0.2	0.02	--	208	110
6- 8-65				1.70	0.49	1.39	0.03		2.57	0.35	0.42	0.19					
				47	14	39	1		73	10	12	5				194	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value										Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3		Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO SUBUNIT W26A0 — ANTELOPE HYDRO UNIT W2600																		
NEENACH HYDRO SUBAREA W26A4																		
9N/17W-32K 1 S	72	7.6	300	25	9	25	2	0	161	8	10	0.0		0.1	0.25	--	229	100
10- 5-64				1.25	0.74	1.09	0.05		2.64	0.17	0.28							
				40	24	35	2		85	6	9						158	
9N/18W-23B 1 S	--	8.2	460	57	24	5	1	0	280	7	9	12.0		0.1	0.11	--	262	241
10- 5-64				2.84	1.97	0.22	0.03		4.59	0.15	0.25	0.19						
				56	39	4	1		89	3	5	4					253	
LANCASTER VALLEY HYDRO SUBAREA W26A5																		
6N/10W- 5H 1 S	--	7.7	381	44	13	17	4	0	188	44	5	1		0.3	0.06	--	240	164
6- 8-65				2.20	1.07	0.74	0.10		3.08	0.92	0.14	0.02						
				54	26	18	2		74	22	3						221	
6N/11W- 3P 1 S	63	7.6	250	28	6	14	2	0	117	19	6	3		0.2	0.02	--	142	95
6- 8-65				1.40	0.49	0.61	0.05		1.92	0.40	0.17	0.05						
				55	19	24	2		76	16	7	2					136	
6N/11W- 6G 2 S	70	7.8	330	21	4	46	1	0	136	13	27	0.0		0.6	0.17	--	184	69
2-14-65				1.05	0.33	2.00	0.03		2.23	0.27	0.76							
				31	10	59	1		68	8	23						180	
6N/11W-21N 1 S	--	8.1	420	36	18	30	3	0	179	35	34	11		0.1	0.05	--	272	164
6- 4-65				1.80	1.48	1.30	0.08		2.93	0.73	0.96	0.18						
				39	32	28	2		61	15	20	4					255	
6N/11W-31A 1 S	--	8.0	284	29	6	22	1	0	142	19	7	2		0.2	0.01	--	153	97
6-26-65				1.45	0.49	0.96	0.03		2.33	0.40	0.20	0.03						
				49	17	33	1		79	14	7	1					156	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO UNIT W2600																	
ANTELOPE HYDRO SUBUNIT W26A0																	
LANCASTER VALLEY HYDRO SUBAREA W26A5																	
7N/ 9W-30F 1 S	--	8.0	420	37	10	42	3	0	161	77	11	3	0.4	0.12	--	268	134
6-10-65				1.85	0.82	1.83	0.08		2.64	1.60	0.31	0.05					
				40	18	40	2		57	35	7	1				263	
7N/10W- 2H 1 S	73	8.1	410	32	10	45	3	--	127	89	14	3	0.2	0.23	--	262	121
6-10-65				1.60	0.82	1.96	0.08		2.08	1.85	0.39	0.05					
				36	18	44	2		48	42	9	1				259	
7N/10W- 6R 1 S	--	8.0	315	31	2	36	2	0	142	40	5	0	0.2	0.11	--	194	86
6-10-65				1.55	0.16	1.57	0.05		2.33	0.83	0.14						
				47	5	47	2		71	25	4					186	
7N/10W-29B 1 S	68	8.0	470	56	23	18	3	0	184	83	22	3	0.2	0.14	--	330	234
6-10-65				2.79	1.89	0.78	0.08		3.02	1.73	0.62	0.05					
				50	34	14	1		56	32	11	1				299	
7N/11W- 4P 1 S	--	8.3	300	33	6	21	2	3	123	27	13	4	0.1	0.04	--	184	107
6- 4-65				1.65	0.49	0.91	0.05	0.10	2.02	0.56	0.37	0.06					
				53	16	29	2	3	65	18	12	2				170	
7N/11W- 6D 1 S	--	8.2	230	25	4	20	1	0	118	14	7	2	0.1	0.06	--	154	79
6- 4-65				1.25	0.33	0.87	0.03		1.93	0.29	0.20	0.03					
				50	13	35	1		79	12	8	1				131	
7N/11W-11F 1 S	71	7.6	420	49	7	32	2	0	126	73	25	2	0.2	0.10	--	270	152
6- 4-65				2.45	0.58	1.39	0.05		2.07	1.52	0.71	0.03					
				55	13	31	1		48	35	16	1				252	
7N/11W-20F 1 S	--	8.0	270	31	5	20	1	0	111	28	17	2	0.1	0.02	--	186	98
6- 4-65				1.55	0.41	0.87	0.03		1.82	0.58	0.48	0.03					
				54	14	30	1		63	20	16	1				159	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO UNIT W2600																	
ANTELOPE HYDRO SUBUNIT W26A0																	
LANCASTER VALLEY HYDRO SUBAREA W26A5																	
7N/11W-27G 1 S	65	8.2	210	26	1	23	2	0	125	10	5	4	0.2	0.07	--	124	69
6-10-65				1.30	0.08	1.00	0.05		2.05	0.21	0.14	0.06					
				53	3	41	2		83	9	6	2				133	
7N/11W-33N 1 S	68	8.0	260	33	3	20	2	0	127	23	11	2	0.2	0.05	--	154	95
6- 4-65				1.65	0.25	0.87	0.05		2.08	0.48	0.31	0.03					
				59	9	31	2		72	17	11	1				157	
7N/12W-14J 1 S	74	8.0	220	19	1	34	1	0	122	14	6	2	0.2	0.09	--	150	52
6-10-65				0.95	0.08	1.48	0.03		2.00	0.29	0.17	0.03					
				37	3	58	1		80	12	7	1				137	
7N/13W-11D 2 S	--	7.6	891	79	16	82	1	0	227	75	116	26	0.5	0.36	--	555	263
6- 2-65				3.94	1.32	3.57	0.03		3.72	1.56	3.27	0.42					
				44	15	40			41	17	36	5				507	
7N/13W-17N 1 S	72	7.7	429	41	10	34	1	0	168	24	15	40	0.3	0.02	--	273	144
6- 8-65				2.05	0.82	1.48	0.03		2.75	0.50	0.42	0.65					
				47	19	34	1		64	12	10	15				248	
7N/13W-27E 1 S	73	8.0	407	37	5	41	2	0	159	27	20	22	0.5	0.08	--	250	113
6- 8-65				1.85	0.41	1.78	0.05		2.61	0.56	0.56	0.35					
				45	10	44	1		64	14	14	9				233	
7N/13W-35E 1 S	75	7.8	623	33	2	95	2	0	139	75	63	26	0.6	0.10	--	385	91
6- 2-65				1.65	0.16	4.13	0.05		2.28	1.56	1.78	0.42					
				28	3	69	1		38	26	29	7				365	
7N/14W- 10 1 S	75	7.6	376	37	6	32	2	0	154	22	16	25	0.4	0.06	--	255	117
6- 2-65				1.85	0.49	1.39	0.05		2.52	0.46	0.45	0.40					
				49	13	37	1		66	12	12	10				216	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO SUBUNIT W26A0 — ANTELOPE HYDRO UNIT W2600																	
LANCASTER VALLEY HYDRO SUBAREA W26A5																	
7N/14W-10F 1 S	--	7.9	340	29	9	30	2	0	141	15	18	22	0.2	0.10	--	222	110
6- 2-65				1.45	0.74	1.30	0.05		2.31	0.31	0.51	0.35					
				41	21	37	1		66	9	15	10				195	
8N/10W- 1C 1 S	73	7.5	413	11	1	79	2	0	174	56	4	0.5	1.3	0.30	45	291	32
10- 9-64				0.55	0.08	3.43	0.05		2.85	1.17	0.11	0.01					
				13	2	83	1		69	28	3					286	
8N/10W-22H 2 S	--	8.1	405	32	7	44	3	0	169	58	9	3	0.2	0.11	--	220	109
6-10-65				1.60	0.58	1.91	0.08		2.77	1.21	0.25	0.05					
				38	14	46	2		65	28	6	1				239	
8N/10W-30B 1 S	68	8.0	450	50	13	41	3	0	169	109	17	4	0.2	0.16	--	318	179
6-10-65				2.50	1.07	1.78	0.08		2.77	2.27	0.48	0.06					
				46	20	33	1		50	41	9	1				320	
8N/11W-21R 1 S	--	7.9	270	15	2	44	1	0	134	21	8	0	0.2	0.54	--	156	46
6-10-65				0.75	0.16	1.91	0.03		2.20	0.44	0.23						
				26	6	67	1		77	15	8					158	
8N/11W-23H 2 S	67	8.0	955	93	54	55	4	0	146	344	74	4	0.2	0.26	--	786	454
6-10-65				4.64	4.44	2.39	0.10		2.39	7.16	2.09	0.06					
				40	38	21	1		20	61	18	1				700	
8N/11W-33F 1 S	--	8.0	870	98	34	50	2	0	140	265	76	5	0.2	0.10	--	658	385
6- 4-65				4.89	2.80	2.17	0.05		2.29	5.52	2.14	0.08					
				49	28	22	1		23	55	21	1				599	
8N/12W-34P 2 S	--	7.7	277	31	6	20	1	0	155	13	3	1	0.3	0.02	--	181	102
6- 8-65				1.55	0.49	0.87	0.03		2.54	0.27	0.08	0.02					
				53	17	30	1		87	9	3	1				152	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO UNIT W2600																	
ANTELOPE HYDRO SUBUNIT W26A0																	
LANCASTER VALLEY HYDRO SUBAREA W26A5																	
8N/13W- 7B 1 S	77	7.6	600	58	7	54	3	0	151	65	67	15	0.4	0.06	--	370	174
6- 3-65				2.89	0.58	2.35	0.08		2.47	1.35	1.89	0.24					
				49	10	40	1		42	23	32	4				344	
8N/13W-20K 1 S	65	7.5	495	48	7	48	2	0	185	38	37	12	0.5	0.50	--	310	149
6- 3-65				2.40	0.58	2.09	0.05		3.03	0.79	1.04	0.19					
				47	11	41	1		60	16	21	4				284	
8N/13W-22K 2 S	76	7.6	497	33	4	63	2	0	142	51	46	10	0.7	0.50	--	315	99
6- 4-65				1.65	0.33	2.74	0.05		2.33	1.06	1.30	0.16					
				35	7	57	1		48	22	27	3				280	
8N/13W-32N 2 S	71	8.0	542	49	9	53	2	0	210	33	37	22	0.7	0.33	--	335	160
6- 8-65				2.45	0.74	2.30	0.05		3.44	0.69	1.04	0.35					
				44	13	42	1		62	13	19	6				309	
8N/14W-11G 1 S	77	8.0	372	35	4	40	2	0	173	24	13	9	0.3	0.05	--	230	104
6- 8-65				1.75	0.33	1.74	0.05		2.84	0.50	0.37	0.15					
				45	9	45	1		74	13	10	4				212	
8N/14W-15G 1 S	73	7.7	455	40	6	48	2	0	176	26	32	16	0.7	0.50	--	280	125
6- 8-65				2.00	0.49	2.09	0.05		2.88	0.54	0.90	0.26					
				43	11	45	1		63	12	20	6				258	
9N/ 8W- 6H 1 S	72	7.6	1180	26	9	230	5	0	305	149	132	8.0	1.9	1.00	37	747	102
10-13-64				1.30	0.74	10.00	0.13		5.00	3.10	3.72	0.13					
				11	6	82	1		42	26	31	1				749	
9N/ 8W- 6H 2 S	72	7.9	918	14	7	190	2	0	288	113	71	20	2.8	0.90	39	584	64
10-13-64				0.70	0.58	8.26	0.05		4.72	2.35	2.00	0.32					
				7	6	86	1		50	25	21	3				601	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO SUBUNIT W26A0 / LANCASTER VALLEY HYDRO SUBAREA W26A5				ANTELOPE HYDRO UNIT W2600													
9N/ 8W- 6J 1 S	72	8.5	1170	28	7	230	2	13	280	151	124	9.5	1.7	1.10	37	742	99
10-13-64				1.40	0.58	10.00	0.05	0.43	4.59	3.14	3.50	0.15					
				12	5	83		4	39	27	30	1				742	
9N/ 9W- 6A 1 S	68	7.4	649	50	12	62	1	0	133	117	56	1.1	0.5	0.30	30	412	175
10-12-64				2.50	0.99	2.70	0.03		2.18	2.44	1.58	0.02					
				40	16	43			35	39	25					395	
9N/ 9W- 6L 1 S	68	7.4	793	56	14	80	2	0	140	114	99	1.1	0.6	0.30	35	496	197
10- 9-64				2.79	1.15	3.48	0.05		2.29	2.37	2.79	0.02					
				37	15	47	1		31	32	37					471	
9N/ 9W-18C 1 S	69	7.5	379	29	2	48	2	0	139	58	12	1.3	0.2	0.20	30	252	81
10- 9-64				1.45	0.16	2.09	0.05		2.28	1.21	0.34	0.02					
				39	4	56	1		59	31	9	1				251	
9N/10W-16C 2 S	69	7.5	669	40	11	83	3	0	151	117	56	1.7	1.2	0.40	38	445	145
10- 9-64				2.00	0.90	3.61	0.08		2.47	2.44	1.58	0.03					
				30	14	55	1		38	37	24					426	
9N/10W-24C 1 S	67	7.4	414	12	2	75	1	0	151	59	12	0.4	0.6	0.40	30	275	38
10- 9-64				0.60	0.16	3.26	0.03		2.47	1.23	0.34	0.01					
				15	4	80	1		61	30	8					267	
9N/10W-24E 1 S	67	7.5	400	19	2	66	1	0	149	59	13	0.4	0.5	0.30	30	273	56
10- 9-64				0.95	0.16	2.87	0.03		2.44	1.23	0.37	0.01					
				24	4	72	1		60	30	9					264	
9N/10W-24F 1 S	69	7.5	341	24	2	46	2	0	139	50	6	0.6	0.4	0.10	29	232	68
10- 9-64				1.20	0.16	2.00	0.05		2.28	1.04	0.17	0.01					
				35	5	59	1		65	30	5					228	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO SUBUNIT W26A0 — ANTELOPE HYDRO UNIT W2600																	
LANCASTER VALLEY HYDRO SUBAREA W26A5																	
9N/10W-24G 1 S	68	7.8	352	25	3	46	2	0	137	52	7	0.4	0.4	0.20	30	235	75
10- 9-64				1.25	0.25	2.00	0.05		2.25	1.08	0.20	0.01					
				35	7	56	1		64	31	6					233	
9N/10W-34P 3 S	74	7.7	351	17	1	58	2	0	140	50	6	1.1	0.8	0.20	32	251	47
10- 9-64				0.85	0.08	2.52	0.05		2.29	1.04	0.17	0.02					
				24	2	72	1		65	30	5	1				237	
9N/12W-16K 1 S	--	8.0	1950	242	41	175	8	0	374	480	255	6	0.4	0.84	--	1552	773
6-11-65				12.08	3.37	7.61	0.20		6.13	9.99	7.19	0.10					
				52	14	33	1		26	43	31					1392	
9N/12W-31D 1 S	75	7.9	345	25	9	39	2	0	142	34	17	5	0.4	0.16	--	212	100
6- 3-65				1.25	0.74	1.70	0.05		2.33	0.71	0.48	0.08					
				33	20	45	1		65	20	13	2				201	
9N/13W-27N 1 S	75	7.7	404	31	7	42	2	0	144	51	20	6	0.4	0.12	--	245	107
6- 3-65				1.55	0.58	1.83	0.05		2.36	1.06	0.56	0.10					
				39	14	46	1		58	26	14	2				230	
9N/13W-29E 1 S	76	7.8	484	37	11	44	2	0	142	39	52	8	0.4	0.14	--	280	138
6- 3-65				1.85	0.90	1.91	0.05		2.33	0.81	1.47	0.13					
				39	19	41	1		49	17	31	3				263	
9N/13W-32M 1 S	78	7.7	327	20	7	38	2	0	124	26	19	7	0.4	0.10	--	200	79
6- 3-65				1.00	0.58	1.65	0.05		2.03	0.54	0.54	0.11					
				30	18	50	2		63	17	17	3				180	
9N/14W-23B 1 S	78	7.9	420	41	10	42	2	0	183	52	23	8	0.2	0.17	--	260	144
6- 4-65				2.05	0.82	1.83	0.05		3.00	1.08	0.65	0.13					
				43	17	39	1		62	22	13	3				268	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivolents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO UNIT W2600																	
ANTELOPE HYDRO SUBUNIT W26A0																	
LANCASTER VALLEY HYDRO SUBAREA W26A5																	
9N/14W-25Q 1 S	78	8.0	360	25	10	48	2	0	142	34	30	8	0.4	0.25	--	226	104
6- 4-65				1.25	0.82	2.09	0.05		2.33	0.71	0.85	0.13					
				30	19	50	1		58	18	21	3				227	
NORTH MUROC HYDRO SUBAREA W26A6																	
10N/ 9W- 4D 2 S	69	7.4	518	5	1	112	1	0	208	61	18	0.3	1.2	0.30	24		17
10- 9-64				0.25	0.08	4.87	0.03		3.41	1.27	0.51					336	
				5	2	93	1		66	24	10					326	
10N/ 9W- 5B 1 S	69	8.0	1150	25	5	220	2	0	269	107	162	0.2	1.0	0.70	29		83
10- 9-64				1.25	0.41	9.57	0.05		4.41	2.23	4.57					693	
				11	4	85			39	20	41					684	
10N/ 9W- 7A 1 S	67	7.5	1370	14	3	275	2	0	298	94	226	0.9	2.9	0.80	38		48
10- 9-64				0.70	0.25	11.96	0.05		4.88	1.96	6.37	0.01				817	
				5	2	92			37	15	48					803	
10N/ 9W- 7A 2 S	68	7.6	3580	91	28	610	4	0	234	141	960	22.0	1.8	0.60	38		342
10- 9-64				4.54	2.30	26.52	0.10		3.84	2.94	27.07	0.35				2100	
				14	7	79			11	9	79	1				2011	
11N/ 7W-32G 4 S	--	8.1	1800	41	6	365	8	0	268	274	293	4	1.0	4.20	--	1096	127
6- 9-65				2.05	0.49	15.87	0.20		4.39	5.70	8.26	0.06					
				11	3	85	1		24	31	45					1128	
11N/ 8W-10R 1 S	--	8.0	900	30	9	162	9	0	163	119	145	2	0.8	0.98	--	552	112
6- 9-65				1.50	0.74	7.04	0.23		2.67	2.48	4.09	0.03					
				16	8	74	2		29	27	44					558	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO SUBUNIT / NORTH MUROC HYDRO SUBAREA				W26A0 / W26A6					ANTELOPE HYDRO UNIT W2600								
11N/ 8W-20H 2 S 6- 9-65	--	7.6	630	44 2.20 32	17 1.40 20	74 3.22 46	5 0.13 2	0	189 3.10 44	101 2.10 30	63 1.78 25	5 0.08 1	0.4	1.23	--	430 404	180
11N/ 8W-22L 1 S 5-12-65	--	8.6	1282	38 1.90 15	13 1.07 9	215 9.35 74	10 0.26 2	13 0.43 4	169 2.77 23	171 3.56 29	180 5.08 42	14 0.23 2	--	10.80	74	936 822	149
11N/ 8W-30F 1 S 6- 9-65	--	8.2	1700	102 5.09 27	36 2.96 16	240 10.44 56	9 0.23 1	0	189 3.10 17	166 3.46 18	429 12.10 64	7 0.11 1	0.2	1.69	--	1214 1084	403
11N/ 8W-32H 1 S 4-30-65	--	8.2	1818	80 3.99 23	17 1.40 8	270 11.74 68	10 0.26 1	0	148 2.43 14	132 2.75 16	432 12.18 70	2.0 0.03	--	0	64	 1154 1080	270
11N/ 8W-35N 1 S 4-30-65	--	8.2	1459	63 3.14 23	9 0.74 6	220 9.57 71	--	0	143 2.34 17	217 4.52 34	231 6.51 49	3.0 0.05	--	0.01	--	 967 813	194
11N/ 9W-24Q 1 S 4-30-65	--	8.4	1220	82 4.09 35	23 1.89 16	130 5.65 49	--	12 0.40 3	131 2.15 18	156 3.25 28	205 5.78 50	5.5 0.09 1	--	0	61	 805 739	299
11N/ 9W-28K 1 S 6- 9-65	--	8.1	684	5 0.25 4	2 0.16 2	147 6.39 94	1 0.03	0	207 3.39 51	78 1.62 24	58 1.64 25	2 0.03	0.9	0.32	--	420 396	21
11N/ 9W-31C 1 S 6- 9-65	--	7.7	1300	70 3.49 28	16 1.32 11	168 7.30 59	7 0.18 1	0	163 2.67 22	69 1.44 12	278 7.84 65	5 0.08 1	0.3	0.24	--	760 694	241

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO UNIT W2600																	
ANTELOPE HYDRO SUBUNIT W26A0																	
NORTH MUROC HYDRO SUBAREA W26A6																	
11N/ 9W-32Q 1 S 10- 9-64	70	7.4	893	9 0.45 5	2 0.16 2	184 8.00 93	1 0.03	0	266 4.36 50	86 1.79 20	92 2.59 30	0.2	1.3	0.70	28	539 535	31
11N/ 9W-33F 1 S 6- 9-65	--	7.8	554	11 0.55 10	6 0.49 9	105 4.57 81	2 0.05 1	0	203 3.33 60	70 1.46 26	25 0.71 13	2 0.03 1	1.4	0.26	--	350 322	52
11N/ 9W-34K 1 S 6- 9-65	--	7.9	911	9 0.45 5	4 0.33 4	195 8.48 91	2 0.05 1	0	278 4.56 50	76 1.58 17	100 2.82 31	6 0.10 1	2.0	0.40	--	570 531	39
11N/ 9W-36C 1 S 4-30-65	--	8.1	1667	93 4.64 28	26 2.14 13	220 9.57 59	--	0	200 3.28 20	190 3.96 25	312 8.80 55	5.3 0.09 1	--	5.30	58	1123 1008	339
11N/10W-36H 1 S 6- 9-65	--	7.5	1779	92 4.59 26	27 2.22 12	253 11.00 61	5 0.13 1	0	310 5.08 29	189 3.93 22	306 8.63 49	1 0.02	0.6	0.56	--	1085 1027	341
BUTTES HYDRO SUBAREA W26A7																	
5N/11W- 9A 1 S 6- 8-65	68	7.4	311	36 1.80 54	9 0.74 22	17 0.74 22	3 0.08 2	0	151 2.47 74	32 0.67 20	6 0.17 5	1 0.02 1	0.3	0.04	--	200 179	127
5N/11W- 9A 2 S 6- 8-65	68	7.5	311	33 1.65 50	9 0.74 23	19 0.83 25	2 0.05 2	0	146 2.39 74	31 0.65 20	6 0.17 5	1 0.02 1	0.3	0.04	--	195 173	120

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO SUBUNIT W26A0 — ANTELOPE HYDRO UNIT W2600																	
BUTTES HYDRO SUBAREA W26A7																	
6N/ 9W-10Q 1 S	73	8.1	350	27	6	44	3	0	160	48	7	1	0.4	0.10	--	252	92
6- 3-65				1.35	0.49	1.91	0.08		2.62	1.00	0.20	0.02					
				35	13	50	2		68	26	5	1				215	
6N/10W-24H 1 S	67	8.2	400	47	13	24	3	0	195	49	8	0	0.4	0.18	--	254	171
6- 2-65				2.35	1.07	1.04	0.08		3.20	1.02	0.23						
				52	24	23	2		72	23	5					240	
6N/10W-27F 1 S	--	8.2	390	38	18	16	3	0	185	50	7	2	0.1	0.08	--	248	169
6- 2-65				1.90	1.48	0.70	0.08		3.03	1.04	0.20	0.03					
				46	36	17	2		70	24	5	1				225	
6N/10W-30H 2 S	--	8.2	260	9	2	45	1	0	99	24	18	2	0.1	0.08	--	184	31
5- 4-65				0.45	0.16	1.96	0.03		1.62	0.50	0.51	0.03					
				17	6	75	1		61	19	19	1				150	
7N/ 9W-34L 2 S	--	7.7	450	36	7	50	3	0	138	100	13	3	0.2	0.07	--	274	119
6-10-65				1.80	0.58	2.17	0.08		2.26	2.08	0.37	0.05					
				39	13	47	2		47	44	8	1				280	
8N/ 9W-36Q 1 S	--	7.7	1400	101	23	170	9	0	84	207	237	142	0.2	0.35	--	980	347
6-10-65				5.04	1.89	7.39	0.23		1.38	4.31	6.68	2.29					
				35	13	51	2		9	29	46	16				931	
ROCK CREEK HYDRO SUBAREA W26A8																	
4N/ 9W- 6B 1 S	62	7.9	570	66	30	19	5	0	283	84	11	9	0.4	0.16	--	362	288
6-11-65				3.29	2.47	0.83	0.13		4.64	1.75	0.31	0.15					
				49	37	12	2		68	26	5	2				364	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO SUBUNIT — ANTELOPE HYDRO UNIT W2600																	
ROCK CREEK HYDRO SUBAREA W26A0 W26A8																	
5N/ 8W-13R 1 S	--	7.4	500	44	17	36	6	0	111	162	6	2	0.2	0.05	--	326	180
6-11-65				2.20	1.40	1.57	0.15		1.82	3.37	0.17	0.03					
				41	26	30	3		34	63	3	1				328	
5N/ 9W-21F 1 S	--	8.1	360	18	2	62	2	0	157	44	9	4	0.8	0.13	--	216	53
6- 2-65				0.90	0.16	2.70	0.05		2.57	0.92	0.25	0.06					
				24	4	71	1		68	24	7	2				219	
5N/ 9W-25A 1 S	69	7.7	402	27	12	42	4	0	178	56	6	2	0.3	0.05	--	260	117
6- 8-65				1.35	0.99	1.83	0.10		2.92	1.17	0.17	0.03					
				32	23	43	2		68	27	4	1				237	
5N/10W- 7R 1 S	--	8.1	390	30	6	46	2	0	136	62	18	2	0.4	0.09	--	240	100
6-11-65				1.50	0.49	2.00	0.05		2.23	1.29	0.51	0.03					
				37	12	50	1		55	32	13	1				233	
5N/10W-16A 2 S	70	8.1	390	30	16	35	2	0	163	53	23	4	0.2	0.10	--	256	141
6- 2-65				1.50	1.32	1.52	0.05		2.67	1.10	0.65	0.06					
				34	30	35	1		60	25	15	1				243	
5N/10W-26B 9 S	--	7.9	650	68	22	58	2	0	289	106	26	6	0.2	0.08	--	426	260
6- 2-65				3.39	1.81	2.52	0.05		4.74	2.21	0.73	0.10					
				44	23	32	1		61	28	9	1				430	
5N/10W-29R 1 S	--	8.1	1300	89	36	160	5	0	219	424	80	3	0.6	0.26	--	920	370
6-11-65				4.44	2.96	6.96	0.13		3.59	8.83	2.26	0.05					
				31	20	48	1		24	60	15					905	
5N/11W-12F 1 S	--	8.0	880	69	58	40	4	0	300	163	49	33	0.1	0.12	--	622	411
6- 2-65				3.44	4.77	1.74	0.10		4.92	3.39	1.38	0.53					
				34	47	17	1		48	33	14	5				564	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ANTELOPE HYDRO SUBUNIT — ANTELOPE HYDRO UNIT — W2600																	
ROCK CREEK HYDRO SUBAREA — W26A0 — W26A8																	
6N/ 8W-19N 1 S	76	8.2	420	27	3	67	2	0	128	98	10	3	0.8	0.13	--	272	80
6- 3-65				1.35	0.25	2.91	0.05		2.10	2.04	0.28	0.05					
				30	5	64	1		47	46	6	1				274	
6N/ 8W-21J 1 S	--	8.1	510	22	17	62	4	0	106	164	6	2	0.2	0.09	--	328	125
6- 3-65				1.10	1.40	2.70	0.10		1.74	3.41	0.17	0.03					
				21	26	51	2		33	64	3	1				329	
6N/ 8W-35F 2 S	77	8.1	450	28	9	61	4	0	110	135	4	3	0.2	0.06	--	302	107
6- 3-65				1.40	0.74	2.65	0.10		1.80	2.81	0.11	0.05					
				29	15	54	2		38	59	2	1				298	
6N/ 9W-23N 1 S	--	8.1	355	40	11	21	3	0	161	40	11	3	0.2	0.13	--	216	145
6- 3-65				2.00	0.90	0.91	0.08		2.64	0.83	0.31	0.05					
				51	23	23	2		69	22	8	1				208	
6N/ 9W-28K 1 S	--	8.1	520	25	4	86	2	0	117	125	22	2	1.6	0.23	--	330	79
6- 3-65				1.25	0.33	3.74	0.05		1.92	2.60	0.62	0.03					
				23	6	70	1		37	50	12	1				325	
6N/ 9W-28P 1 S	72	8.0	400	39	8	39	3	0	153	65	13	2	0.4	0.19	--	260	131
6- 2-65				1.95	0.66	1.70	0.08		2.51	1.35	0.37	0.03					
				44	15	39	2		59	32	9	1				245	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million; equivalents per million; percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MOJAVE HYDRO UNIT — W2800																	
EL MIRAGE HYDRO SUBUNIT — W28A0																	
3N/ 7W- 9M 1 S 4- 6-65	--	7.5	642	88 4.39 61	28 2.30 32	10 0.43 6	4 0.10 1	0	342 5.61 77	62 1.29 18	15 0.42 6	0.8 0.01	0.4	0.06	--	366 376	335
6N/ 7W-11R 1 S 4- 6-65	--	8.6	531	0	2 0.16 3	110 4.78 96	1 0.03 1	5 0.17 3	107 1.75 35	140 2.91 58	7 0.20 4	0	1.3	0.16	--	333 319	8
6N/ 7W-12G 1 S 12-14-64	--	7.8	1088	76 3.79 33	22 1.81 16	134 5.83 51	2 0.05	0	132 2.16 19	414 8.62 74	31 0.87 7	0.6 0.01	1.3	0.06	--	784 746	280
6N/ 7W-19E 1 S 4- 6-65	--	7.8	553	42 2.10 38	13 1.07 19	51 2.22 40	5 0.13 2	0	85 1.39 25	187 3.89 71	7 0.20 4	0.6 0.01	0.6	0.02	--	357 348	159

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER MOJAVE HYDRO SUBUNIT				W2880					MOJAVE HYDRO UNIT			W2800					
2N/ 2W-30K 1 S	--	7.1	87	5	5	4	1	0	49	0	3	0.4	0.3	0.01	--	66	33
5- 4-65				0.25	0.41	0.17	0.03		0.80		0.08	0.01					
				29	48	20	3		90		9	1				43	
2N/ 2W-32R 2 S	--	6.8	64	4	3	4	1	0	27	1	4	0.3	0.2	0.05	--	22	23
5- 4-65				0.20	0.25	0.17	0.03		0.44	0.02	0.11						
				31	38	26	5		77	4	19					31	
2N/ 3W-26E 1 S	--	6.9	185	17	7	7	.2	0	76	6	5	15	0.2	0	--	98	72
5- 4-65				0.85	0.58	0.30	0.05		1.25	0.12	0.14	0.24					
				48	33	17	3		71	7	8	14				97	
2N/ 4W- 6R 1 S	--	7.2	330	38	5	23	2	0	71	40	36	18	0.1	0.07	--	234	116
1- 4-65				1.90	0.41	1.00	0.05		1.16	0.83	1.02	0.29					
				57	12	30	1		35	25	31	9				197	
	--	6.3	155	10	6	15	0	0	39	7	14	21	0	0.01	--	123	50
5- 3-65				0.50	0.49	0.65			0.64	0.15	0.39	0.34					
				30	30	40			42	10	26	22				92	
2N/ 4W-10J 1 S	--	7.6	391	50	11	17	2	0	230	10	7	1	0.4	0.16	--	244	170
1-19-65				2.50	0.90	0.74	0.05		3.77	0.21	0.20	0.02					
				60	21	18	1		90	5	5					212	
3N/ 4W-32H 1 S	--	7.8	310	33	7	22	2	0	108	32	25	4	0.1	0.07	--	204	112
1- 4-65				1.65	0.58	0.96	0.05		1.77	0.67	0.71	0.06					
				51	18	30	2		55	21	22	2				178	
4N/ 3W- 1M 1 S	--	7.4	1452	103	26	155	5	0	112	207	280	3.5	0.6	0.75	--	946	364
3- 3-65				5.14	2.14	6.74	0.13		1.84	4.31	7.90	0.06					
				36	15	48	1		13	31	56					836	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
UPPER MOJAVE HYDRO SUBUNIT W2880 — MOJAVE HYDRO UNIT W2800																	
4N/ 3W- 6D 2 S	--	7.2	325	38	7	17	2	0	134	11	11	36.5	0.3	0.01	--	229	124
3- 3-65				1.90	0.58	0.74	0.05		2.20	0.23	0.31	0.59					
				58	18	23	2		66	7	9	18				189	
4N/ 3W- 9N 2 S	--	7.6	143	11	6	9	1	0	71	4	4	2.5	0.4	0.02	--	115	52
4- 7-65				0.55	0.49	0.39	0.03		1.16	0.08	0.11	0.04					
				38	34	27	2		83	6	8	3				73	
4N/ 3W-20L 1 S	--	7.4	304	37	8	14	2	0	146	15	7	12.5	0.4	0.01	--	199	126
4-14-65				1.85	0.66	0.61	0.05		2.39	0.31	0.20	0.20					
				58	21	19	2		77	10	6	6				168	
4N/ 3W-21E 1 S	--	7.6	183	18	5	12	1	0	90	7	5	1.4	0.7	0.02	--	118	66
4- 7-65				0.90	0.41	0.52	0.03		1.48	0.15	0.14	0.02					
				48	22	28	2		83	8	8	1				94	
5N/ 3W-18F 1 S	--	7.9	507	39	11	46	2	0	100	75	54	4.5	0.7	0.28	--	327	143
4- 7-65				1.95	0.90	2.00	0.05		1.64	1.56	1.52	0.07					
				40	18	41	1		34	33	32	1				282	
5N/ 3W-25F 1 S	--	7.6	1223	55	16	162	4	0	46	161	244	1.7	1.3	0.44	--	725	203
4- 7-65				2.74	1.32	7.04	0.10		0.75	3.35	6.88	0.03					
				24	12	63	1		7	30	62					668	
5N/ 4W- 8Q 1 S	--	7.9	183	6	0	35	1	0	98	2	8	1.7	0.3	0.02	--	106	15
4- 7-65				0.30		1.52	0.03		1.61	0.04	0.23	0.03					
				16		82	2		84	2	12	2				102	
5N/ 4W- 9G 2 S	--	8.4	169	6	1	35	1	7	85	2	6	2.6	0.3	0	--	117	19
4- 7-65				0.30	0.08	1.52	0.03	0.23	1.39	0.04	0.17	0.04					
				16	4	79	2	12	74	2	9	2				103	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER MOJAVE HYDRO SUBUNIT				W2880					MOJAVE HYDRO UNIT			W2800					
5N/ 4W- 9J 1 S 4- 7-65	--	8.9	196	6 0.30 15	1 0.08 4	37 1.61 80	1 0.03 1	7 0.23 11	95 1.56 74	7 0.15 7	5 0.14 7	1.2 0.02 1	0.2	0	--	121 112	19
5N/ 4W- 9P 1 S 4- 7-65	--	8.1	191	8 0.40 20	4 0.33 16	29 1.26 62	1 0.03 1	0	100 1.64 84	6 0.12 6	6 0.17 9	1.5 0.02 1	0.5	0.03	--	129 105	37
5N/ 4W-11P 2 S 4-14-65	--	8.6	323	13 0.65 20	5 0.41 13	50 2.17 67	1 0.03 1	7 0.23 7	63 1.03 32	32 0.67 21	45 1.27 40	0	0.9	0.17	--	215 185	53
5N/ 4W-16M 1 S 4- 7-65	--	8.2	197	6 0.30 15	4 0.33 17	30 1.30 66	1 0.03 2	2 0.07 4	100 1.64 86	1 0.02 1	5 0.14 7	1.9 0.03 2	0.2	0.01	--	111 100	32
5N/ 4W-20B 1 S 4- 7-65	--	8.4	197	6 0.30 42	3 0.25 35	3 0.13 18	1 0.03 4	5 0.17 9	95 1.56 81	1 0.02 1	5 0.14 7	2.0 0.03 2	0.2	0.01	--	110 73	28
5N/ 5W-22E 2 S 4- 6-65	--	7.9	447	27 1.35 32	8 0.66 15	50 2.17 51	3 0.08 2	0	68 1.11 27	128 2.66 65	10 0.28 7	1.8 0.03 1	0.4	0.05	--	275 262	101
6N/ 3W- 9D 1 S 4-14-65	--	8.5	794	5 0.25 3	1 0.08 1	158 6.87 95	2 0.05 1	10 0.33 5	66 1.08 16	205 4.27 65	31 0.87 13	0.3	17.6	1.15	--	489 463	17
6N/ 3W- 9E 1 S 4-14-65	--	8.0	1761	36 1.80 10	7 0.58 3	344 14.96 86	4 0.10 1	0	264 4.33 26	366 7.62 45	146 4.12 25	42 0.68 4	15.4	1.73	--	1138 1092	119

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value										Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER MOJAVE HYDRO SUBUNIT				W2880				MOJAVE HYDRO UNIT				W2800					
6N/ 3W-28R 1 S	--	7.8	933	82	19	78	2	0	122	155	97	66	0.9	0.28	--	613	283
4-14-65				4.09	1.56	3.39	0.05		2.00	3.23	2.74	1.06					
				45	17	37	1		22	36	30	12				560	
6N/ 4W- 6D 1 S	--	7.9	845	81	14	77	4	0	186	157	77	0.3	0.9	0.15	--	541	260
4-14-65				4.04	1.15	3.35	0.10		3.05	3.27	2.17						
				47	13	39	1		36	39	26					503	
6N/ 5W- 8F 1 S	--	8.1	449	7	2	88	1	0	120	107	6	1.8	0.6	0.10	--	285	26
4- 6-65				0.35	0.16	3.83	0.03		1.97	2.23	0.17	0.03					
				8	4	88	1		45	51	4	1				273	
6N/ 5W-29J 2 S	--	7.8	462	36	10	47	2	0	190	37	31	0.1	0.5	0.06	--	253	131
4- 6-65				1.80	0.82	2.04	0.05		3.11	0.77	0.87						
				38	17	43	1		65	16	18					257	
7N/ 4W- 7C 1 S	--	7.4	686	78	11	56	2	0	287	72	37	0.4	0.6	0.09	--	410	240
12- 2-64				3.89	0.90	2.43	0.05		4.70	1.50	1.04	0.01					
				54	12	33	1		65	21	14					398	
	--	7.6	1196	119	23	117	4	0	393	192	82	1.4	0.8	0.25	--	779	392
5-25-65				5.94	1.89	5.09	0.10		6.44	4.00	2.31	0.02					
				46	15	39	1		50	31	18					733	
7N/ 4W-31N 1 S	--	7.8	714	84	11	54	2	0	276	61	55	0.3	0.7	0.20	--	440	255
4-14-65				4.19	0.90	2.35	0.05		4.52	1.27	1.55						
				56	12	31	1		62	17	21					404	
7N/ 5W-22N 2 S	--	8.3	487	24	3	76	2	0	151	101	7	1	0.9	0.11	--	318	73
4- 7-65				1.20	0.25	3.30	0.05		2.47	2.10	0.20	0.02					
				25	5	69	1		52	44	4					289	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER MOJAVE HYDRO SUBUNIT				W2880					MOJAVE HYDRO UNIT			W2800					
8N/ 4W-31R 1 S 5-25-65	--	7.2	1797	161 8.03 40	28 2.30 11	222 9.65 48	4 0.10	0	498 8.16 41	405 8.43 42	118 3.33 17	3.5 0.06	0.7	0.43	--	1257 1187	517

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE MOJAVE HYDRO SUBUNIT W28C0				MOJAVE HYDRO UNIT W2800													
8N/ 4W-12P 1 S	--	7.4	1139	132	18	84	4	0	344	113	100	70.0	0.6	0.20	--	702	404
12- 2-64				6.59	1.48	3.65	0.10		5.64	2.35	2.82	1.13					
				56	13	31	1		47	20	24	9				691	
	--	7.6	1180	138	22	84	4	0	356	115	108	68	0.5	0.11	--	799	435
5-26-65				6.89	1.81	3.65	0.10		5.83	2.39	3.05	1.10					
				55	15	29	1		47	19	25	9				715	
8N/ 4W-20A 1 S	--	7.4	1595	81	12	242	3	0	248	261	221	12.0	0.8	0.74	--	969	252
12- 2-64				4.04	0.99	10.52	0.08		4.06	5.43	6.23	0.19					
				26	6	67	1		26	34	39	1				955	
	--	7.6	2132	116	19	321	3	0	288	357	323	10.6	0.9	0.82	--	1363	368
5-26-65				5.79	1.56	13.96	0.08		4.72	7.43	9.11	0.17					
				27	7	65			22	35	43	1				1293	
8N/ 4W-21C 1 S	--	7.6	1495	175	31	123	3	0	132	581	84	0.7	0.8	0.20	--	1096	564
12- 2-64				8.73	2.55	5.35	0.08		2.16	12.10	2.37	0.01					
				52	15	32			13	73	14					1064	
	--	7.5	1511	177	35	120	3	0	144	572	90	0.7	0.8	0.23	--	1140	586
5-26-65				8.83	2.88	5.22	0.08		2.36	11.91	2.54	0.01					
				52	17	31			14	71	15					1070	
9N/ 2W- 1F 2 S	--	8.0	680	51	11	79	2	0	199	102	48	7	0.8	0.30	--	411	172
12- 2-64				2.54	0.90	3.43	0.05		3.26	2.12	1.35	0.11					
				37	13	50	1		48	31	20	2				399	
	--	7.5	787	58	14	86	3	0	203	130	58	9.9	0.9	0.45	--	493	202
5-25-65				2.89	1.15	3.74	0.08		3.33	2.71	1.64	0.16					
				37	15	48	1		42	35	21	2				460	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C	TDS Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE MOJAVE HYDRO SUBUNIT W28C0 — MOJAVE HYDRO UNIT W2800																		
9N/ 2W- 6B 1 S	--	7.7	344	28	6	34	2	0	137	29	19	3.8	0.6	0.08	--	196		95
12- 2-64				1.40	0.49	1.48	0.05		2.25	0.60	0.54	0.06						
				41	14	43	1		65	17	16	2					190	
	--	7.6	341	27	8	33	2	0	134	26	20	3.5	0.7	0.08	--	205		101
5-25-65				1.35	0.66	1.43	0.05		2.20	0.54	0.56	0.06						
				39	19	41	1		65	16	17	2					186	
9N/ 2W-17E 1 S	--	8.2	727	28	8	118	2	7	189	112	48	3.5	3.4	0.96	--	460		103
12- 2-64				1.40	0.66	5.13	0.05	0.23	3.10	2.33	1.35	0.06						
				19	9	71	1	3	44	33	19	1					424	
9N/ 3W- 1J 1 S	--	8.0	387	27	8	42	2	0	158	32	24	3.0	0.7	0.09	--	226		101
12- 2-64				1.35	0.66	1.83	0.05		2.59	0.67	0.68	0.05						
				35	17	47	1		65	17	17	1					216	
	--	7.7	421	36	7	44	2	0	164	37	27	2.6	0.6	0.10	--	251		119
5-25-65				1.80	0.58	1.91	0.05		2.69	0.77	0.76	0.04						
				41	13	44	1		63	18	18	1					237	
9N/ 3W- 3A 2 S	--	7.9	597	48	10	66	2	0	209	63	47	2.0	0.7	0.15	--	346		161
12- 2-64				2.40	0.82	2.87	0.05		3.43	1.31	1.33	0.03						
				39	13	47	1		56	21	22						342	
	--	7.8	596	47	10	64	2	0	207	63	47	0.8	0.7	0.14	--	325		159
5-24-65				2.35	0.82	2.78	0.05		3.39	1.31	1.33	0.01						
				39	14	46	1		56	22	22						336	
9N/ 3W-24J 1 S	--	7.9	612	30	8	88	3	0	212	72	40	1.0	1.2	0.33	--	367		108
12- 2-64				1.50	0.66	3.83	0.08		3.47	1.50	1.13	0.02						
				25	11	63	1		57	25	18						348	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE MOJAVE HYDRO SUBUNIT W28C0 — MOJAVE HYDRO UNIT W2800																	
9N/ 3W-24J 1 S	--	7.9	587	28	9	83	3	0	195	72	38	0.2	1.2	0.31	--	321	107
5-25-65				1.40	0.74	3.61	0.08		3.20	1.50	1.07						
				24	13	62	1		55	26	19					331	
9N/ 3W-26H 1 S	--	7.8	694	13	7	123	3	0	173	122	42	6.2	1.7	0.74	--	414	62
12- 2-64				0.65	0.58	5.35	0.08		2.84	2.54	1.18	0.10					
				10	9	80	1		43	38	18	2				404	
	--	7.9	692	17	6	121	3	0	173	120	41	6.5	1.6	0.67	--	421	67
5-25-65				0.85	0.49	5.26	0.08		2.84	2.50	1.16	0.10					
				13	7	79	1		43	38	18	2				402	
9N/ 3W-28A 1 S	--	7.4	1267	122	21	114	4	0	230	240	1	6.3	0.7	0.25	--	819	391
12- 3-64				6.09	1.73	4.96	0.10		3.77	5.00	0.03	0.10					
				47	13	39	1		42	56		1				622	
	--	7.6	1228	118	23	107	4	0	222	203	158	5.4	0.7	0.23	--	767	389
5-24-65				5.89	1.89	4.65	0.10		3.64	4.23	4.46	0.09					
				47	15	37	1		29	34	36	1				728	
10N/ 2W-30Q 1 S	--	8.2	441	37	9	44	2	5	173	37	27	2.0	0.6	0.08	--	257	130
12- 3-64				1.85	0.74	1.91	0.05	0.17	2.84	0.77	0.76	0.03					
				41	16	42	1	4	62	17	17	1				249	
	--	7.8	439	40	7	43	2	0	186	35	25	1.5	0.6	0.13	--	270	129
5-24-65				2.00	0.58	1.87	0.05		3.05	0.73	0.71	0.02					
				44	13	42	1		68	16	16					246	
10N/ 3W-15Q 3 S	--	7.7	1152	101	19	113	3	0	179	146	191	10	0.6	0.29	--	726	330
1-21-65				5.04	1.56	4.91	0.08		2.93	3.04	5.39	0.16					
				43	13	42	1		25	26	47	1				672	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE MOJAVE HYDRO SUBUNIT W28C0				MOJAVE HYDRO UNIT W2800													
10N/ 3W-27D 1 S	--	7.9	840	63	13	95	2	0	176	149	86	3.5	0.7	0.30	--	531	211
12- 2-64				3.14	1.07	4.13	0.05		2.88	3.10	2.43	0.06					
				37	13	49	1		34	37	29	1				499	
	--	8.2	831	63	13	91	2	5	164	143	82	3.2	0.7	0.36	--	514	211
5-24-65				3.14	1.07	3.96	0.05	0.17	2.69	2.98	2.31	0.05					
				38	13	48	1	2	33	36	28	1				484	
10N/ 3W-35E 1 S	--	8.1	387	20	9	48	2	2	127	29	39	0.2	0.8	0.19	--	267	87
12- 3-64				1.00	0.74	2.09	0.05	0.07	2.08	0.60	1.10						
				26	19	54	1	2	54	16	29					213	
	--	8.0	399	22	8	50	2	0	134	45	34	0	0.8	0.19	--	245	88
5-24-65				1.10	0.66	2.17	0.05		2.20	0.94	0.96						
				28	17	55	1		54	23	23					228	
10N/ 3W-36J 2 S	--	7.8	854	93	19	54	2	0	145	142	118	5.0	0.6	0.10	--	549	310
12- 2-64				4.64	1.56	2.35	0.05		2.38	2.96	3.33	0.08					
				54	18	27	1		27	34	38	1				505	
	--	7.5	1124	126	27	67	3	0	142	196	168	5.4	0.7	0.16	--	782	426
5-24-65				6.29	2.22	2.91	0.08		2.33	4.08	4.74	0.09					
				55	19	25	1		21	36	42	1				663	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
HARPER HYDRO SUBUNIT — MOJAVE HYDRO UNIT — W2800																	
HARPER HYDRO SUBAREA — W28D0 — W28D2																	
10N/ 4W- 6H 1 S	--	7.9	1275	41	5	228	5	0	157	244	154	3	0.8	1.30	--	897	123
4- 7-65				2.05	0.41	9.91	0.13		2.57	5.08	4.34	0.05					
				16	3	79	1		21	42	36					759	
11N/ 3W-15E 1 S	--	8.0	647	15	4	130	5	0	240	47	61	0.8	3.2	0.74	--	444	54
11-19-64				0.75	0.33	5.65	0.13		3.93	0.98	1.72	0.01					
				11	5	82	2		59	15	26					385	
11N/ 4W- 6M 1 S	--	8.0	2239	19	4	441	4	0	259	86	506	0	0.4	1.45	--	1220	64
4- 7-65				0.95	0.33	19.17	0.10		4.25	1.79	14.27						
				5	2	93			21	9	70					1189	
11N/ 4W-30N 2 S	--	7.7	2076	70	10	359	8	0	205	269	379	4	0.9	1.80	--	1221	216
4- 7-65				3.49	0.82	15.61	0.20		3.36	5.60	10.69	0.06					
				17	4	78	1		17	28	54					1202	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
				equivalents per million													
				percent reactance value													
LOWER MOJAVE HYDRO SUBUNIT				W28E0				MOJAVE HYDRO UNIT				W2800					
9N/ 1E- 1L 1 S	--	7.5	480	39	9	50	2	0	199	36	30	4.5	0.6	0.12	--	288	135
12-31-64				1.95	0.74	2.17	0.05		3.26	0.75	0.85	0.07					
				40	15	44	1		66	15	17	1				269	
	--	7.5	487	44	7	51	2	0	207	34	31	4.1	0.6	0.18	--	303	139
5-24-65				2.20	0.58	2.22	0.05		3.39	0.71	0.87	0.07					
				44	11	44	1		67	14	17	1				276	
9N/ 1E- 1M 1 S	--	7.3	48	45	6	51	2	0	207	37	30	3.6	0.6	0.13	--	299	137
12-31-64				2.25	0.49	2.22	0.05		3.39	0.77	0.85	0.06					
				45	10	44	1		67	15	17	1				277	
	--	7.5	485	40	10	51	2	0	200	36	30	3.6	0.6	0.14	--	269	141
5-24-65				2.00	0.82	2.22	0.05		3.28	0.75	0.85	0.06					
				39	16	44	1		66	15	17	1				272	
9N/ 1E-13E 1 S	--	8.2	668	61	11	64	3	5	199	90	51	12.0	0.7	0.49	--	426	197
12- 4-64				3.04	0.90	2.78	0.08	0.17	3.26	1.87	1.44	0.19					
				45	13	41	1	2	47	27	21	3				396	
9N/ 1E-13E 2 S	--	8.4	1013	93	16	112	4	12	313	139	83	19.6	0.7	0.68	--	660	298
12- 4-64				4.64	1.32	4.87	0.10	0.40	5.13	2.89	2.34	0.32					
				42	12	45	1	4	46	26	21	3				634	
	--	7.5	1031	90	21	107	4	0	325	135	83	9.5	0.7	0.68	--	642	311
5-21-65				4.49	1.73	4.65	0.10		5.33	2.81	2.34	0.15					
				41	16	42	1		50	26	22	1				611	
9N/ 1E-15N 2 S	--	7.8	111	88	17	131	3	0	355	145	99	6.3	0.8	0	--	695	290
12- 4-64				4.39	1.40	5.70	0.08		5.82	3.02	2.79	0.10					
				38	12	49	1		50	26	24	1				665	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER MOJAVE HYDRO SUBUNIT W28E0 — MOJAVE HYDRO UNIT W2800																	
9N/ 2E- 8N 2 S	--	7.8	358	26	8	39	1	0	163	26	16	2.5	0.7	0.09	--	230	98
12-31-64				1.30	0.66	1.70	0.03		2.67	0.54	0.45	0.04					
				35	18	46	1		72	15	12	1				199	
	--	7.3	357	27	7	40	1	0	159	26	18	2.1	0.7	0.13	--	217	97
5-21-65				1.35	0.58	1.74	0.03		2.61	0.54	0.51	0.03					
				36	16	47	1		71	15	14	1				200	
9N/ 2E-18E 1 S	--	7.9	645	67	11	72	1	0	238	92	53	11.0	0.5	0.20	--	421	212
12-31-64				3.34	0.90	3.13	0.03		3.90	1.92	1.49	0.18					
				45	12	42			52	26	20	2				425	
	--	7.6	574	53	10	55	2	0	188	70	42	6.2	0.6	0.15	--	352	173
5-21-65				2.64	0.82	2.39	0.05		3.08	1.46	1.18	0.10					
				45	14	41	1		53	25	20	2				331	
9N/ 2E-25K 1 S	--	7.6	1144	85	18	130	6	0	195	250	110	5.5	0.8	2.65	--	780	286
3- 2-65				4.24	1.48	5.65	0.15		3.20	5.21	3.10	0.09					
				37	13	49	1		28	45	27	1				704	
9N/ 2E-25M 1 S	--	7.9	1386	115	23	154	6	0	229	318	138	4.9	0.8	1.43	--	961	382
3-30-65				5.74	1.89	6.70	0.15		3.75	6.62	3.89	0.08					
				40	13	46	1		26	46	27	1				874	
9N/ 2E-25M 2 S	--	7.6	2421	133	21	406	6	0	476	610	191	9.5	1.2	2.88	--	1720	419
3-30-65				6.64	1.73	17.65	0.15		7.80	12.70	5.39	0.15					
				25	7	67	1		30	49	21	1				1615	
9N/ 2E-25Q 1 S	--	7.3	2756	186	42	392	8	0	386	713	304	13	1.1	4.28	--	1980	637
3-30-65				9.28	3.45	17.04	0.20		6.33	14.84	8.57	0.21					
				31	12	57	1		21	50	29	1				1853	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER MOJAVE HYDRO SUBUNIT				W28E0					MOJAVE HYDRO UNIT			W2800					
10N/ 1E-28N 2 S	--	7.6	700	29	11	97	5	0	126	119	75	0	0.6	2.30	--	401	118
4- 6-65				1.45	0.90	4.22	0.13		2.07	2.48	2.12						
				22	13	63	2		31	37	32					401	
10N/ 1E-33P 1 S	--	8.0	533	35	5	68	2	0	151	57	50	1	0.5	1.40	--	301	108
4- 6-65				1.75	0.41	2.96	0.05		2.47	1.19	1.41	0.02					
				34	8	57	1		49	23	28					294	
10N/ 2E-31R 1 S	--	8.0	659	31	8	105	3	0	165	109	63	2.2	0.8	0.82	--	409	111
12-31-64				1.53	0.66	4.57	0.08		2.70	2.27	1.78	0.04					
				23	10	67	1		40	33	26	1				404	
	--	8.0	660	34	6	97	2	0	164	99	55	1.8	0.9	0.92	--	414	110
5-24-65				1.70	0.49	4.22	0.05		2.69	2.06	1.55	0.03					
				26	8	65	1		42	33	24					377	
9N/ 1W-10D 2 S	--	8.0	730	71	12	73	2	0	248	114	52	1.3	0.5	0.17	--	443	227
12-31-64				3.54	0.99	3.17	0.05		4.06	2.37	1.47	0.02					
				46	13	41	1		51	30	19					448	
	--	8.0	789	77	14	73	1	0	251	122	52	1.0	0.6	0.17	--	467	250
5-24-65				3.84	1.15	3.17	0.03		4.11	2.54	1.47	0.02					
				47	14	39			50	31	18					464	
9N/ 1W-10G 1 S	--	7.9	1826	149	21	256	5	0	461	417	131	15.5	0.8	0.58	--	1267	459
12-31-64				7.44	1.73	11.13	0.13		7.56	8.68	3.69	0.25					
				36	8	54	1		37	43	18	1				1222	
	--	8.2	1560	116	23	210	4	12	369	343	109	10.5	0.8	0.50	--	1026	384
5-24-65				5.79	1.89	9.13	0.10	0.40	6.05	7.14	3.07	0.17					
				34	11	54	1	2	36	42	18	1				1010	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER MOJAVE HYDRO SUBUNIT				W28E0				MOJAVE HYDRO UNIT				W2800					
9N/ 1W-13E 1 S	--	8.1	700	53	11	82	3	0	210	93	57	5.8	0.5	0.47	--	429	177
5-21-65				2.64	0.90	3.57	0.08		3.44	1.94	1.61	0.09					
				37	13	50	1		49	27	23	1				409	
9N/ 1W-13H 1 S	--	8.2	844	60	12	103	3	10	207	118	84	5.0	0.8	0.39	--	517	199
12- 4-64				2.99	0.99	4.48	0.08	0.33	3.39	2.46	2.37	0.08					
				35	12	52	1	4	39	29	27	1				498	
	--	8.2	847	63	11	103	3	0	227	116	81	5.0	0.8	0.56	--	522	202
5-21-65				3.14	0.90	4.48	0.08		3.72	2.42	2.28	0.08					
				37	10	52	1		44	28	27	1				495	
9N/ 1W-15N 2 S	--	7.7	1083	84	19	130	3	0	332	140	96	5.9	0.6	0.59	--	664	288
5-21-65				4.19	1.56	5.65	0.08		5.44	2.91	2.71	0.10					
				36	14	49	1		49	26	24	1				642	
10N/ 1W-32J 1 S	--	7.7	727	66	11	74	3	0	240	111	44	2.1	0.7	0.14	--	372	210
12-31-64				3.29	0.90	3.22	0.08		3.93	2.31	1.24	0.03					
				44	12	43	1		52	31	17					430	
	--	8.2	736	67	11	75	3	5	232	118	44	2.1	0.7	0.16	--	441	212
5-24-65				3.34	0.90	3.26	0.08	0.17	3.80	2.46	1.24	0.03					
				44	12	43	1	2	49	32	16					440	

TABLE E-1

ANALYSES OF GROUND WATER
LAHONTAN DRAINAGE PROVINCE (W)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
TROY HYDRO SUBUNIT — MOJAVE HYDRO UNIT — W2800																	
TROY HYDRO SUBAREA — W28F0 — W28F2																	
8N/ 4E- 7B 1 S	--	7.5	2375	168	65	266	8	0	198	549	370	19.0	1.6	4.20	--	1655	687
6-14-65				8.38	5.35	11.57	0.20		3.25	11.43	10.43	0.31					
				33	21	45	1		13	45	41	1				1548	
8N/ 4E- 7B 2 S	--	8.4	848	29	9	145	3	12	176	135	81	0	1.6	1.38	--	502	110
6-14-65				1.45	0.74	6.30	0.08	0.40	2.88	2.81	2.28						
				17	9	74	1	5	34	34	27					503	
9N/ 3E-36F 1 S	--	7.4	3291	232	40	464	2	0	230	731	555	33	0.8	5.50	--	2266	744
2- 5-65				11.58	3.29	20.17	0.05		3.77	15.22	15.65	0.53					
				33	9	57			11	43	44	2				2176	

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LUCERNE HYDRO UNIT X0100																	
3N/ 1E- 3F 1 S	--	7.9	432	44	20	17	1	0	237	23	9	3.1	0.8	0.04	--	252	192
3- 5-65				2.20	1.64	0.74	0.03		3.88	0.48	0.25	0.05					
				48	36	16	1		83	10	5	1				234	
4N/ 1E- 1R 2 S	--	7.9	1145	24	6	205	5	0	129	250	121	2.3	0.3	1.55	--	698	85
3- 4-65				1.20	0.49	8.91	0.13		2.11	5.21	3.41	0.04					
				11	5	83	1		20	48	32					679	
4N/ 1E- 6H 1 S	--	7.7	594	56	21	39	2	0	193	112	23	2.5	0.5	0.05	--	392	226
3- 3-65				2.79	1.73	1.70	0.05		3.16	2.33	0.65	0.04					
				44	28	27	1		51	38	11	1				351	
4N/ 1E- 6Q 1 S	--	7.5	971	93	36	47	2	0	164	166	126	9.1	0.6	0.09	--	702	380
3- 3-65				4.64	2.96	2.04	0.05		2.69	3.46	3.55	0.15					
				48	31	21	1		27	35	36	2				560	
4N/ 1E- 9A 1 S	--	7.5	549	55	19	30	2	0	124	143	22	1.4	0.7	0.05	--	357	215
3- 4-65				2.74	1.56	1.30	0.05		2.03	2.98	0.62	0.02					
				48	28	23	1		36	53	11					334	
4N/ 1E-12P 2 S	--	7.6	804	46	35	58	4	0	120	142	100	5.7	0.5	0.07	--	576	259
3- 4-65				2.30	2.88	2.52	0.10		1.97	2.96	2.82	0.09					
				29	37	32	1		25	38	36	1				450	
4N/ 1E-32A 1 S	--	8.1	608	39	21	58	12	24	278	62	18	0.1	0.6	0.18	--	349	184
3- 5-65				1.95	1.73	2.52	0.31	0.80	4.56	1.29	0.51						
				30	27	39	5	11	64	18	7					371	
4N/ 2E- 7N 1 S	--	7.7	1201	81	43	104	6	0	100	301	150	1.2	1.0	0.24	--	805	379
3- 4-65				4.04	3.54	4.52	0.15		1.64	6.27	4.23	0.02					
				33	29	37	1		13	52	35					737	

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LUCERNE HYDRO UNIT X0100																	
4N/ 2E-17B 1 S	--	7.8	617	40	18	55	3	0	129	96	46	36.0	0.9	0.06	--	367	174
3- 4-65				2.00	1.48	2.39	0.08		2.11	2.00	1.30	0.58					
				34	25	40	1		35	33	22	10				358	
5N/ 1E-17C 2 S	--	7.4	5110	224	17	868	11	0	81	678	1240	0.0	2.9	5.00	--	3184	630
3- 4-65				11.18	1.40	37.74	0.28		1.33	14.12	34.97						
				22	3	75	1		3	28	69					3086	
5N/ 1E-23C 1 S	--	7.7	15250	479	41	3120	32	0	83	1197	4850	1.8	9.0	14.28	--	10140	1365
3- 4-65				23.90	3.37	135.66	0.82		1.36	24.92	136.77	0.03					
				15	2	83	1		1	15	84					9785	
5N/ 1E-28A 1 S	--	7.9	4227	152	11	730	13	0	100	503	1020	1.5	4.9	2.70	--	2551	424
3- 4-65				7.58	0.90	31.74	0.33		1.64	10.47	28.76	0.02					
				19	2	78	1		4	26	70					2487	
5N/ 1E-29N 1 S	--	7.5	813	73	27	44	2	0	146	65	141	2.7	0.3	0.04	--	539	293
3- 4-65				3.64	2.22	1.91	0.05		2.39	1.35	3.98	0.04					
				47	28	24	1		31	17	51	1				427	
5N/ 1E-31F 1 S	--	7.9	1043	97	44	55	3	0	200	181	128	1.0	0.5	0.20	--	728	423
3- 4-65				4.84	3.62	2.39	0.08		3.28	3.77	3.61	0.02					
				44	33	22	1		31	35	34					608	
5N/ 1E-32P 1 S	--	7.4	1811	137	57	188	3	0	322	407	198	28.0	0.5	0.50	--	1266	577
3- 3-65				6.84	4.69	8.17	0.08		5.28	8.47	5.58	0.45					
				35	24	41			27	43	28	2				1177	
5N/ 1E-32R 1 S	--	7.9	594	48	20	46	2	0	124	154	27	0.7	0.6	0.08	--	414	202
3- 3-65				2.40	1.64	2.00	0.05		2.03	3.21	0.76	0.01					
				39	27	33	1		34	53	13					359	

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LUCERNE HYDRO UNIT X0100																	
4N/ 1W- 1P 2 S 3- 3-65	--	7.5	1195	120 5.99 46	57 4.69 36	49 2.13 17	3 0.08 1	0	166 2.72 21	294 6.12 47	124 3.50 27	37 0.60 5	0.5	0.03	--	930 766	534
4N/ 1W-11N 2 S 3- 3-65	--	7.9	375	25 1.25 30	23 1.89 46	21 0.91 22	3 0.08 2	0	195 3.20 80	27 0.56 14	6 0.17 4	3.9 0.06 2	0.2	0.02	--	231 205	157
4N/ 1W-11Q 1 S 3- 3-65	--	7.4	873	79 3.94 41	42 3.45 36	52 2.26 23	1 0.03	0	391 6.41 66	112 2.33 24	27 0.76 8	16.0 0.26 3	0.5	0.07	--	571 522	370
4N/ 1W-14Q 4 S 3- 3-65	--	7.7	436	46 2.30 50	20 1.64 36	14 0.61 13	2 0.05 1	0	234 3.84 83	27 0.56 12	5 0.14 3	3.8 0.06 1	0.2	0.02	--	270 233	197
4N/ 1W-18E 1 S 3- 3-65	--	7.8	1286	52 2.59 19	23 1.89 14	200 8.70 65	6 0.15 1	0	210 3.44 26	418 8.70 66	37 1.04 8	1.7 0.03	1.7	0.63	--	939 843	224
6N/ 1W- 5J 1 S 4- 6-65	--	7.8	1494	5 0.25 2	2 0.16 1	315 13.70 95	13 0.33 2	0	658 10.78 79	61 1.27 9	58 1.64 12	2.5 0.04	6.0	1.30	--	817 787	21

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
JOHNSON HYDRO UNIT X0200																	
4N/ 2E-25JS1 S 3- 5-65	--	7.6	769	71 3.54 45	22 1.81 23	56 2.43 31	6 0.15 2	0	149 2.44 31	226 4.71 59	29 0.82 10	0.4 0.01	0.5	0.14	--	503 484	268
4N/ 3E-23G 1 S 3- 5-65	--	7.5	134	96 4.79 33	70 5.76 39	90 3.91 27	6 0.15 1	0	134 2.20 15	415 8.64 59	131 3.69 25	4.2 0.07	0.6	0.15	--	938 879	528
4N/ 4E-19M 1 S 3- 5-65	--	7.7	1740	105 5.24 31	79 6.50 38	121 5.26 31	6 0.15 1	0	122 2.00 11	210 4.37 25	395 11.14 63	6.4 0.10 1	1.2	0.19	--	1175 984	587

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LUCERNE HYDRO UNIT X0100																	
4N/ 1W- 1P 2 S 3- 3-65	--	7.5	1195	120 5.99 46	57 4.69 36	49 2.13 17	3 0.08 1	0	166 2.72 21	294 6.12 47	124 3.50 27	37 0.60 5	0.5	0.03	--	930 766	534
4N/ 1W-11N 2 S 3- 3-65	--	7.9	375	25 1.25 30	23 1.89 46	21 0.91 22	3 0.08 2	0	195 3.20 80	27 0.56 14	6 0.17 4	3.9 0.06 2	0.2	0.02	--	231 205	157
4N/ 1W-11Q 1 S 3- 3-65	--	7.4	873	79 3.94 41	42 3.45 36	52 2.26 23	1 0.03	0	391 6.41 66	112 2.33 24	27 0.76 8	16.0 0.26 3	0.5	0.07	--	571 522	370
4N/ 1W-14Q 4 S 3- 3-65	--	7.7	436	46 2.30 50	20 1.64 36	14 0.61 13	2 0.05 1	0	234 3.84 83	27 0.56 12	5 0.14 3	3.8 0.06 1	0.2	0.02	--	270 233	197
4N/ 1W-18E 1 S 3- 3-65	--	7.8	1286	52 2.59 19	23 1.89 14	200 8.70 65	6 0.15 1	0	210 3.44 26	418 8.70 66	37 1.04 8	1.7 0.03	1.7	0.63	--	939 843	224
6N/ 1W- 5J 1 S 4- 6-65	--	7.8	1494	5 0.25 2	2 0.16 1	315 13.70 95	13 0.33 2	0	658 10.78 79	61 1.27 9	58 1.64 12	2.5 0.04	6.0	1.30	--	817 787	21

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
JOHNSON HYDRO UNIT X0200																	
4N/ 2E-25JS1 S 3- 5-65	--	7.6	769	71 3.54 45	22 1.81 23	56 2.43 31	6 0.15 2	0	149 2.44 31	226 4.71 59	29 0.82 10	0.4 0.01	0.5	0.14	--	503 484	268
4N/ 3E-23G 1 S 3- 5-65	--	7.5	134	96 4.79 33	70 5.76 39	90 3.91 27	6 0.15 1	0	134 2.20 15	415 8.64 59	131 3.69 25	4.2 0.07	0.6	0.15	--	938 879	528
4N/ 4E-19M 1 S 3- 5-65	--	7.7	1740	105 5.24 31	79 6.50 38	121 5.26 31	6 0.15 1	0	122 2.00 11	210 4.37 25	395 11.14 63	6.4 0.10 1	1.2	0.19	--	1175 984	587

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total Hardness as $CaCO_3$
EMERSON HYDRO UNIT X0500																	
1N/ 5E-19G 1 S	--	7.4	360	33	2	52	2	0	175	27	20	12	1.0	0.33	--	262	91
11- 9-64				1.65	0.16	2.26	0.05		2.87	0.56	0.56	0.19					
				40	4	55	1		69	13	13	5				235	
2N/ 6E- 6D 2 S	--	7.9	370	32	4	51	2	0	153	41	27	6	0.2	0.09	--	262	97
11-11-64				1.60	0.33	2.22	0.05		2.51	0.85	0.76	0.10					
				38	8	53	1		59	20	18	2				238	
2N/ 6E- 7Q 1 S	--	7.8	420	41	7	47	3	0	168	43	39	4	0.4	0.07	--	280	132
11-11-64				2.05	0.58	2.04	0.08		2.75	0.90	1.10	0.06					
				43	12	43	2		57	19	23	1				267	
2N/ 6E-18J 1 S	--	7.8	300	25	2	41	3	0	125	30	18	3	0.6	0.09	--	212	71
11-11-64				1.25	0.16	1.78	0.08		2.05	0.62	0.51	0.05					
				38	5	54	2		63	19	16	2				184	

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
DEADMAN HYDRO UNIT X0700																	
2N/ 7E- 3A 1 S 11-10-64	80	7.5	260	9 0.45 17	2 0.16 6	47 2.04 76	2 0.05 2	0	83 1.36 51	30 0.62 23	23 0.65 24	4 0.06 2	0.8	0.12	--	182 159	31
2N/ 7E- 3B 1 S 11-10-64	80	7.9	298	12 0.60 22	0	46 2.00 75	3 0.08 3	0	75 1.23 45	36 0.75 27	24 0.68 25	6 0.10 4	0.7	0.05	18	192 183	30

TABLE E-i

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
WARREN HYDRO SUBUNIT X08A0 — JOSHUA TREE HYDRO UNIT X0800																	
1S/ 5E- 2C 1 S 11- 9-64	67	7.9	250	19 0.95 33	7 0.58 20	31 1.35 46	1 0.03 1	0	126 2.07 73	13 0.27 10	12 0.34 12	10 0.16 6	0.2	0.07	--	172 155	77
1N/ 5E-35P 1 S 11-12-64	--	7.8	240	25 1.25 47	2 0.16 6	28 1.22 46	1 0.03 1	0	119 1.95 75	13 0.27 10	9 0.25 10	8 0.13 5	0.2	0.07	--	176 145	71
1N/ 6E-29F 1 S 11-12-64	68	8.1	240	9 0.45 17	1 0.08 3	49 2.13 79	1 0.03 1	0	120 1.97 72	13 0.27 10	13 0.37 14	8 0.13 5	1.0	0.09	--	194 154	27
1N/ 6E-29N 1 S 11-12-64	70	7.7	240	24 1.20 46	2 0.16 6	28 1.22 47	1 0.03 1	0	116 1.90 74	10 0.21 8	12 0.34 13	8 0.13 5	0.4	0.07	--	180 142	68

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COPPER MOUNTAIN HYDRO SUBUNIT X08B0 — JOSHUA TREE HYDRO UNIT X0800																	
1N/ 6E-25N 1 S 11-11-64	--	7.7	230	18 0.90 34	4 0.33 12	32 1.39 52	2 0.05 2	0	114 1.87 73	12 0.25 10	10 0.28 11	9 0.15 6	0.6	0.07	--	172 144	62
1N/ 7E-10N 1 S 11-11-64	64	7.7	230	17 0.85 34	1 0.08 3	35 1.52 61	1 0.03 1	0	118 1.93 78	8 0.17 7	7 0.20 8	12 0.19 8	0.4	0.09	--	172 139	47

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
TWENTYNINE PALMS HYDRO SUBUNIT X09A0 — OALE HYDRO UNIT X0900																	
1N/ 8E- 9L 1 S 11-10-64	--	7.7	810	46 2.30 24	17 1.40 14	135 5.87 61	4 0.10 1	0	170 2.79 29	248 5.16 54	53 1.49 16	10 0.16 2	2.4	0.17	--	578 599	185
1N/ 8E-36A 1 S 11-10-64	77	7.7	240	13 0.65 26	2 0.16 6	39 1.70 67	1 0.03 1	0	109 1.79 73	14 0.29 12	9 0.25 10	8 0.13 5	1.6	0.09	--	156 141	41
1N/ 9E-20A 1 S 11-10-64	--	8.0	540	16 0.80 13	2 0.16 3	116 5.04 83	3 0.08 1	0	209 3.43 57	82 1.71 28	30 0.85 14	2 0.03	4.8	2.04	--	360 361	48
1N/ 9E-31A 1 S 11-10-64	77	7.7	220	12 0.60 25	2 0.16 7	38 1.65 68	1 0.03 1	0	116 1.90 79	6 0.12 5	11 0.31 13	5 0.08 3	1.2	0.07	--	178 133	38
1N/ 9E-31C 1 S 11-10-64	77	7.6	255	14 0.70 26	2 0.16 6	42 1.83 67	1 0.03 1	0	117 1.92 73	9 0.19 7	14 0.39 15	8 0.13 5	1.2	0.07	--	164 149	43

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
DALE HYDRO SUBUNIT				X0980			DALE HYDRO UNIT				X0900						
1N/10E-14N 2 S 11-10-64	--	7.9	1960	20 1.00 5	7 0.58 3	470 20.44 92	6 0.15 1	0	117 1.92 9	595 12.39 59	235 6.63 32	1 0.02	5.6	2.16	--	1490 1399	79
1N/10E-22J 1 S 11-10-64	--	8.1	1940	20 1.00 5	6 0.49 2	445 19.35 92	5 0.13 1	0	132 2.16 10	588 12.24 59	228 6.43 31	1 0.02	5.2	0.40	--	1372 1364	75

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
FENNER HYDRO SUBUNIT			X1080	BRISTOL HYDRO UNIT							X1000						
10N/14E-26L 1 S 11-12-64	--	7.4	208	20 1.00 47	3 0.25 12	19 0.83 39	2 0.05 2	0	69 1.13 53	31 0.65 30	13 0.37 17	0.0	0.6	0.22	--	133 123	63

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MORONGO HYDRO SUBUNIT X19A0 — WHITEWATER HYDRO UNIT X1900																	
1S/ 4E-13P 1 S	--	7.9	820	65	32	80	6	0	317	161	34	6	0.4	0.12	--	564	294
11- 9-64				3.24	2.63	3.48	0.15		5.20	3.35	0.96	0.10					
				34	28	37	2		54	35	10	1				540	
1S/ 4E-13Q 1 S	--	7.7	1180	89	62	95	9	0	216	438	47	7	0.4	0.10	--	872	477
11- 9-64				4.44	5.10	4.13	0.23		3.54	9.12	1.33	0.11					
				32	37	30	2		25	65	9	1				854	
1S/ 4E-22J 1 S	--	8.0	600	57	12	73	6	0	267	102	23	0.0	0.4	0.07	--	416	192
11- 9-64				2.84	0.99	3.17	0.15		4.38	2.12	0.65						
				40	14	44	2		61	30	9					405	
1S/ 5E- 7F 1 S	--	7.9	840	76	13	130	4	0	194	284	54	3	0.6	0.14	--	724	243
11- 9-64				3.79	1.07	5.65	0.10		3.18	5.91	1.52	0.05					
				36	10	53	1		30	55	14					660	

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
WHITEWATER HYDRO UNIT X1900																	
SAN GORGONIO HYDRO SUBUNIT X19C0																	
SAN GORGONIO HYDRO SUBAREA X19C2																	
2S/ 1E-17L 1 S	--	7.8	332	37	15	9	3	--	170	25	8	0	0.5	0	--	212	154
4- 9-65				1.85	1.23	0.39	0.08		2.79	0.52	0.23						
				52	35	11	2		79	15	6					181	
2S/ 1E-33J 1 S	--	7.8	344	42	13	9	3	--	179	24	9	1	0.4	0	--	207	159
4- 9-65				2.10	1.07	0.39	0.08		2.93	0.50	0.25	0.02					
				58	29	11	2		79	14	7	1				189	
3S/ 1E- 7E 1 S	--	8.0	398	42	12	24	2	--	212	9	16	3	0.3	0	--	238	155
4- 4-65				2.10	0.99	1.04	0.05		3.47	0.19	0.45	0.05					
				50	24	25	1		83	5	11	1				213	
3S/ 3E- 8M 1 S	70	7.8	361	36	9	23	2	0	176	14	17	3.4	0.5	0	--	215	127
5- 5-65				1.80	0.74	1.00	0.05		2.88	0.29	0.48	0.05					
				50	21	28	1		78	8	13	1				191	

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COACHELLA HYDRO SUBUNIT X19D0 — WHITEWATER HYDRO UNIT X1900																	
GARNET HILL HYDRO SUBAREA X19D1																	
3S/ 4E-22A 2 S	68	8.2	374	7	0	69	3	0	102	63	20	0.7	0.4	0.03	--	214	18
5- 5-65				0.35		3.00	0.08		1.67	1.31	0.56	0.01					
				10		87	2		47	37	16					213	
3S/ 5E-30G 1 S	80	7.8	1225	58	10	245	11	0	185	450	66	3	1.4	0.30	--	868	186
4- 4-65				2.89	0.82	10.65	0.28		3.03	9.37	1.86	0.05					
				20	6	73	2		21	65	13					936	
	--	7.7	1379	55	12	220	--	0	173	412	67	7.2	1.4	--	--		187
4- 5-65				2.74	0.99	9.57			2.84	8.58	1.89	0.12				861	
				21	7	72			21	64	14	1				860	
MISSION CREEK HYDRO SUBAREA X19D2																	
3S/ 5E-17M 1 S	80	8.0	1330	61	12	204	9	0	110	421	77	0.8	2.1	0.51	--	849	202
5- 5-65				3.04	0.99	8.87	0.23		1.80	8.77	2.17	0.01					
				23	8	68	2		14	69	17					841	
3S/ 5E-18M 1 S	74	8.1	671	43	13	78	7	0	149	178	20	0	1.2	0.05	--	420	161
5- 5-65				2.15	1.07	3.39	0.18		2.44	3.71	0.56						
				32	16	50	3		36	55	8					413	
3S/ 5E-18R 1 S	80	8.0	1155	78	18	139	10	0	103	398	54	0.8	0.8	0.08	--	774	269
5- 5-65				3.89	1.48	6.04	0.26		1.69	8.29	1.52	0.01					
				33	13	52	2		15	72	13					749	
3S/ 5E-20D 1 S	76	7.8	1070	69	19	125	9	0	98	365	48	0.4	1.1	0.08	--	703	250
5- 5-65				3.44	1.56	5.44	0.23		1.61	7.60	1.35	0.01					
				32	15	51	2		15	72	13					685	

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
COACHELLA HYDRO SUBUNIT X19D0 — WHITEWATER HYDRO UNIT X1900																	
MIRACLE HILL HYDRO SUBAREA X19D3																	
2S/ 5E-30L 1 S	106	7.8	1552	37	0	285	5	0	51	485	119	2.1	5.0	1.04	--	985	93
5- 5-65				1.85		12.39	0.13		0.84	10.10	3.36	0.03					
				13		86	1		6	70	23					964	
2S/ 5E-30L 2 S	78	8.0	1584	47	5	285	6	0	107	472	116	1.2	4.6	0.87	--	1010	138
5- 5-65				2.35	0.41	12.39	0.15		1.75	9.83	3.27	0.02					
				15	3	81	1		12	66	22					990	
3S/ 5E-10J 1 S	78	7.9	1720	47	4	315	7	0	51	524	143	0	8.2	1.54	--	1080	134
5- 5-65				2.35	0.33	13.70	0.18		0.84	10.91	4.03						
				14	2	83	1		5	69	26					1075	
THOUSAND PALMS HYDRO SUBAREA X19D6																	
4S/ 6E- 5M 1 S	--	7.5	1259	62	26	156	12	0	93	430	66	4	1.6	0.22	--	840	262
4-12-65				3.09	2.14	6.78	0.31		1.52	8.95	1.86	0.06					
				25	17	55	3		12	72	15					804	
INDIO HYDRO SUBAREA X19D7																	
3S/ 4E-36M 1 S	73	8.1	401	50	11	17	3	--	201	23	10	3	0.7	0	--	136	170
4-12-65				2.50	0.90	0.74	0.08		3.29	0.48	0.28	0.05					
				59	21	18	2		80	12	7	1				217	
4S/ 4E- 1N 2 S	73	8.0	320	37	8	17	2	--	165	13	10	2	0.6	0	--	101	126
4-12-65				1.85	0.66	0.74	0.05		2.70	0.27	0.28	0.03					
				56	20	22	2		82	8	9	1				171	

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COACHELLA HYDRO SUBUNIT — WHITEWATER HYDRO UNIT X1900																	
INDIO HYDRO SUBAREA X19D0 X19D7																	
4S/ 4E-11K 1 S	73	7.9	495	59	9	26	3	--	170	65	20	14	0.3	0.16	--	201	184
4-12-65				2.94	0.74	1.13	0.08		2.79	1.35	0.56	0.23					
				60	15	23	2		57	27	11	5				280	
4S/ 4E-11Q 1 S	73	8.2	315	54	7	29	5	--	206	41	14	4	0.3	0.04	--	204	164
4-12-65				2.69	0.58	1.26	0.13		3.38	0.85	0.39	0.06					
				58	12	27	3		72	18	8	1				256	
4S/ 5E-15R 1 S	--	7.8	320	41	6	15	4	0	159	23	6	3	0.7	0.02	--	172	127
4-12-65				2.05	0.49	0.65	0.10		2.61	0.48	0.17	0.05					
				62	15	20	3		79	15	5	2				177	
4S/ 5E-33G 1 S	--	7.6	486	60	9	24	3	0	171	62	19	16	0.3	0.05	--	295	187
4-14-65				2.99	0.74	1.04	0.08		2.80	1.29	0.54	0.26					
				62	15	21	2		57	26	11	5				277	
6S/ 8E- 5N 1 S	--	7.6	254	17	1	31	3	0	101	24	8	2	0.7	0.04	--	140	47
4-14-65				0.85	0.08	1.35	0.08		1.66	0.50	0.23	0.03					
				36	3	57	3		69	21	10	1				136	

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
BORREGO HYDRO SUBUNIT — X22A0 — ANZA BORREGO HYDRO UNIT — X2200																	
TERWILLIGER HYDRO SUBAREA — X22A1																	
8S/ 3E-12D 1 S	--	7.8	979	100	26	67	3	0	273	129	97	17	0.7	0.06	64	714	357
12- 2-64				4.99	2.14	2.91	0.08		4.47	2.69	2.74	0.27					
				49	21	29	1		44	26	27	3				638	

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
IMPERIAL HYDRO SUBUNIT X23A0 — IMPERIAL HYDRO UNIT X2300																	
9S/12E- 1D 1 S	--	8.0	1380	66	52	165	10	0	224	334	140	0.0	2.8	0.20	--	1050	379
10-27-64				3.29	4.28	7.17	0.26		3.67	6.95	3.95						
				22	29	48	2		25	48	27					880	
9S/12E- 2A 1 S	166	7.1	5000	117	47	1060	46	0	438	207	1574	0.0	2.6	5.00	--	3234	486
10-27-64				5.84	3.87	46.09	1.18		7.18	4.31	44.39						
				10	7	81	2		13	8	79					3274	
9S/12E-22A 1 S	--	7.9	17500	311	388	4640	46	0	99	4502	0	0.6	0.6	0.08	--	15120	2373
10-29-64				15.52	31.91	201.75	1.18		1.62	93.73		0.01					
				6	13	81			2	98						9937	
9S/13E-20LS1 S	75	8.1	6000	124	41	1180	45	0	465	260	1720	0.0	2.8	4.00	--	3530	478
10-29-64				6.19	3.37	51.31	1.15		7.62	5.41	48.50						
				10	5	83	2		12	9	79					3605	

TABLE E-1

ANALYSES OF GROUND WATER
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
EAST SALTON SEA HYDRO UNIT X2500																	
8S/11E-12P 1 S 10-27-64	90	7.8	3200	38 1.90 5	27 2.22 6	700 30.44 88	4 0.10	0	234 3.84 11	144 3.00 9	968 27.30 80	0.0	3.0	2.75	--	1808 2002	206
8S/11E-12P 2 S 10-27-64	90	7.8	3500	60 2.99 8	15 1.23 3	740 32.18 88	4 0.10	0	214 3.51 10	152 3.16 9	1046 29.50 82	0.0	3.0	2.38	--	2122 2128	211
8S/11E-12P 1 S 10-27-64	90	7.8	3200	38 1.90 5	27 2.22 6	700 30.44 88	4 0.10	0	234 3.84 11	144 3.00 9	968 27.30 80	0.0	3.0	2.75	--	1808 2002	206
8S/11E-12P 2 S 10-27-64	90	7.8	3500	60 2.99 8	15 1.23 3	740 32.18 88	4 0.10	0	214 3.51 10	152 3.16 9	1046 29.50 82	0.0	3.0	2.38	--	2122 2128	211

TABLE C-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0																	
EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
4S/ 9W- 2B 3 S	--	7.5	1200	108	28	109	5	0	207	291	107	4.3	0.6	0.12	--	794	385
7-13-65				5.39	2.30	4.74	0.13		3.39	6.06	3.02	0.07					
				43	18	38	1		27	48	24	1				755	
4S/ 9W- 7Q 5 S	66	7.6	1059	--	--	--	--	0	156	274	90	--	--	--	--		
10-13-64									2.56	5.70	2.54						
4S/ 9W-19D 3 S	--	7.6	1098	95	47	57	5	0	240	216	85	15	0.6	0.06	--	743	431
5-18-65				4.74	3.87	2.48	0.13		3.93	4.50	2.40	0.24					
				42	34	22	1		36	41	22	2				639	
4S/ 9W-22M 2 S	--	7.9	942	80	44	47	2	0	216	150	82	40	0	0.07	--	589	381
10-27-64				3.99	3.62	2.04	0.05		3.54	3.12	2.31	0.65					
				41	37	21	1		37	32	24	7				551	
	--	7.7	948	98	32	50	2	0	232	149	76	33	0.3	0.09	--	648	376
5-18-65				4.89	2.63	2.17	0.05		3.80	3.10	2.14	0.53					
				50	27	22	1		40	32	22	6				554	
4S/ 9W-27F 1 S	70	7.7	997	--	--	--	--	0	239	205	67	--	--	--	--		
10-21-64									3.92	4.27	1.89						
	--	7.9	1040	107	39	45	2	0	215	197	72	38	0.4	0.06	--	638	428
3-24-65				5.34	3.21	1.96	0.05		3.52	4.10	2.03	0.61					
				51	30	19			34	40	20	6				606	
4S/ 9W-28J 1 S	--	7.4	1090	119	42	45	2	0	256	191	82	47	0.4	0.04	--	731	470
7-13-65				5.94	3.45	1.96	0.05		4.20	3.98	2.31	0.76					
				52	30	17			37	35	21	7				654	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
4S/ 9W-31B 1 S 7-13-65	--	7.8	582	65 3.24 57	11 0.90 16	34 1.48 26	2 0.05 1	0	211 3.46 61	51 1.06 19	37 1.04 18	9 0.15 3	0.5	0.04	--	329 313	207
4S/ 9W-32B 2 S 12-16-64	--	7.6	776	86 4.29 55	17 1.40 18	45 1.96 25	3 0.08 1	0	222 3.64 48	92 1.92 25	62 1.75 23	20 0.32 4	0.5	0.06	--	450 435	285
4S/10W-13H 2 S 5-18-65	--	7.4	1122	101 5.04 44	23 1.89 17	97 4.22 37	7 0.18 2	0	181 2.97 27	270 5.62 51	87 2.45 22	3 0.05	0.8	0.09	--	760 678	347
4S/10W-14D 2 S 10-22-64	--	7.9	941	--	--	--	--	0	210 3.44	196 4.08	73 2.06	8.6 0.14	--	--	--		
4S/10W-14H 2 S 10-13-64	61	7.8	959	--	--	--	--	0	227 3.72	175 3.64	76 2.14	--	--	--	--		
3- 3-65	60	7.7	968	--	--	--	--	0	231 3.79	175 3.64	76 2.14	--	--	--	--		
4S/10W-15B 2 S 10-26-64	--	7.3	1030	114 5.69 54	27 2.22 21	59 2.57 24	5 0.13 1	0	213 3.49 33	216 4.50 42	88 2.48 23	12 0.19 2	0.6	0.07	--	634 626	396
4S/10W-24D 2 S 10-13-64	--	7.6	1093	--	--	--	--	0	182 2.98	274 5.70	91 2.57	--	--	--	--		

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
4S/10W-24D 2 S	--	7.6	1111	--	--	--	--	0	183	273	91	--	--	--	--		
3- 3-65									3.00	5.68	2.57						
4S/10W-24D 3 S	--	7.6	943	114	22	52	4	0	189	218	75	7	0.6	0.04	--	620	375
7-13-65				5.69	1.81	2.26	0.10		3.10	4.54	2.12	0.11					
				58	18	23	1		31	46	21	1				586	
4S/10W-25N 1 S	--	7.6	1027	--	--	--	--	0	171	258	89	--	--	--	--		
10-13-64									2.80	5.37	2.51						
	--	7.4	1037	--	--	--	--	0	171	262	89	--	--	--	--		
3- 3-65									2.80	5.45	2.51						
4S/10W-31F 1 S	--	7.7	882	105	24	46	5	0	273	139	63	3.1	0.3	0.05	--	557	361
11-25-64				5.24	1.97	2.00	0.13		4.47	2.89	1.78	0.05					
				56	21	21	1		49	31	19	1				520	
4S/10W-32Q 1 S	--	7.8	964	129	18	45	4	0	244	132	63	40	0.5	0.04	--	551	396
1-19-65				6.44	1.48	1.96	0.10		4.00	2.75	1.78	0.65					
				65	15	20	1		44	30	19	7				551	
	--	7.6	935	114	21	46	4	0	247	139	67	35	0.4	0.06	--	580	371
6-21-65				5.69	1.73	2.00	0.10		4.05	2.89	1.89	0.56					
				60	18	21	1		43	31	20	6				548	
4S/10W-33F 1 S	--	8.0	1020	114	29	51	5	0	233	175	88	40	0.5	0.06	--	647	404
10-27-64				5.69	2.38	2.22	0.13		3.82	3.64	2.48	0.65					
				55	23	21	1		36	34	23	6				617	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
4S/10W-33F 1 S	--	7.7	1074	130	27	54	5	0	240	197	82	35	0.5	0.04	--	746	436
5-18-65				6.49	2.22	2.35	0.13		3.93	4.10	2.31	0.56					
				58	20	21	1		36	38	21	5				649	
4S/10W-34C 1 S	--	7.5	943	119	20	48	4	0	215	179	73	25	0.6	0.04	--	597	379
7-13-65				5.94	1.64	2.09	0.10		3.52	3.73	2.06	0.40					
				61	17	21	1		36	38	21	4				574	
4S/10W-34N 1 S	--	7.6	1040	129	27	50	4	0	279	166	74	41	0.6	0.06	--	667	433
12-16-64				6.44	2.22	2.17	0.10		4.57	3.46	2.09	0.66					
				59	20	20	1		42	32	19	6				629	
5S/ 8W-31K 1 S	--	7.6	1882	--	--	--	--	0	305	--	184	--	--	--	--		
10-21-64									5.00		5.19						
5S/ 8W-32L 1 S	79	7.2	1865	--	--	--	--	0	298	--	182	--	--	--	--		
10-27-64									4.88		5.13						
5S/ 9W- 4D 1 S	--	7.8	424	26	3	62	2	0	168	44	13	0	0.5	0.08	--	221	78
1-18-65				1.30	0.25	2.70	0.05		2.75	0.92	0.37						
				30	6	63	1		68	23	9					233	
5S/ 9W- 5R 1 S	--	7.6	624	71	13	45	2	0	195	86	29	10	0.3	0.06	--	347	231
1-18-65				3.54	1.07	1.96	0.05		3.20	1.79	0.82	0.16					
				53	16	30	1		54	30	14	3				352	
	--	7.5	635	63	14	48	2	0	205	87	35	11	0.2	0.04	--	375	215
6-21-65				3.14	1.15	2.09	0.05		3.36	1.81	0.99	0.18					
				49	18	33	1		53	29	16	3				361	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 — EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/ 9W-14Q 2 S 10-27-64	81	7.4	1753	-- --	-- --	-- --	-- --	0 0	303 4.97	384 7.99	179 5.05	--	--	--	--		
5- 4-65	--	7.6	1848	--	--	--	--	0	311 5.10	398 8.29	182 5.13	--	--	--	--		
5S/ 9W-15J 1 S 2-17-65	79	7.6	840	--	--	--	--	0	234 3.84	126 2.62	67 1.89	--	--	--	--		
5S/ 9W-16Q 2 S 6-21-65	--	7.5	872	115 5.74 63	16 1.32 14	47 2.04 22	2 0.05 1	0	245 4.02 44	136 2.83 31	62 1.75 19	27 0.44 5	0.3	0.08	--	535 526	353
5S/ 9W-21B 1 S 2-17-65	77	7.6	673	54 2.69 39	14 1.15 17	71 3.09 44	1 0.03	0	220 3.61 53	107 2.23 33	30 0.85 12	8 0.13 2	0.2	0.17	23	415 416	192
5S/ 9W-24H 1 S 10-21-64	--	7.7	1848	--	--	--	--	0	314 5.15	--	193 5.44	--	--	--	--		
5- 4-65	--	7.9	1900	--	--	--	--	0	317 5.20	--	193 5.44	--	--	--	--		
5S/ 9W-25E 1 S 2-17-65	78	7.6	1129	--	--	--	--	0	353 5.79	--	69 1.95	--	--	--	--		

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 / EAST COASTAL PLAIN HYDRO SUBAREA Y01A1 — SANTA ANA RIVER HYDRO UNIT Y0100																	
5S/ 9W-30J 3 S	--	7.6	2230	295	71	134	4	0	215	807	167	46	0.7	0.04	--	1757	1029
8-31-65				14.72	5.84	5.83	0.10		3.52	16.80	4.71	0.74					
				56	22	22			14	65	18	3				1630	
5S/ 9W-30J 4 S	66	8.1	718	56	21	61	3	0	143	159	57	0	0.5	0.15	--	473	226
6-23-65				2.79	1.73	2.65	0.08		2.34	3.31	1.61						
				38	24	37	1		32	46	22					428	
5S/ 9W-31B 1 S	--	7.6	424	27	4	57	2	0	161	50	12	0	0.3	0.09	--	243	84
1-18-65				1.35	0.33	2.48	0.05		2.64	1.04	0.34						
				32	8	59	1		66	26	8					231	
	--	7.7	542	35	10	64	2	0	181	92	20	0.6	0.4	0.12	--	335	129
5-17-65				1.75	0.82	2.78	0.05		2.97	1.92	0.56	0.01					
				32	15	51	1		54	35	10					313	
	67	8.2	387	20	6	55	2	0	187	19	20	2	0.3	0.17	--	236	75
6-23-65				1.00	0.49	2.39	0.05		3.06	0.40	0.56	0.03					
				25	12	61	1		76	10	14	1				216	
5S/ 9W-32A 1 S	--	8.4	433	--	--	--	--	10	156	--	16	--	--	--	--		
10-21-64								0.33	2.56		0.45						
	--	7.9	764	55	13	85	1	0	178	149	61	0	0.5	0.15	18	472	191
2-17-65				2.74	1.07	3.70	0.03		2.92	3.10	1.72						
				36	14	49			38	40	22					470	
	68	7.7	2796	71	21	479	6	0	351	0	737	0	0.4	1.24	--	1526	264
7- 6-65				3.54	1.73	20.83	0.15		5.75		20.78						
				13	7	79	1		22		78					1488	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 / EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/ 9W-34J 1 S	84	7.6	770	--	--	--	--	0	244	--	66	--	--	--	--		
2-17-65									4.00		1.86						
5S/ 9W-34J 2 S	--	7.8	1196	--	--	--	--	0	362	--	74	--	--	--	--		
10-21-64									5.93		2.09						
	--	8.0	1255	--	--	--	--	0	364	--	75	--	--	--	--		
5- 4-65									5.97		2.12						
5S/ 9W-34Q 1 S	86	7.7	951	--	--	--	--	0	209	--	157	--	--	--	--		
2-17-65									3.43		4.43						
5S/ 9W-35J 1 S	--	7.8	1040	74	27	106	4	0	303	180	73	2	0.5	0.07	--	670	296
2-16-65				3.69	2.22	4.61	0.10		4.97	3.75	2.06	0.03					
				35	21	43	1		46	35	19					615	
	--	7.8	1220	79	29	115	4	0	301	190	80	3	0.4	0.14	--	670	316
6-21-65				3.94	2.38	5.00	0.10		4.93	3.96	2.26	0.05					
				35	21	44	1		44	35	20					649	
5S/ 9W-36B 1 S	72	7.2	2074	--	--	--	--	0	364	--	245	--	--	--	--		
10-27-64									5.97		6.91						
5S/ 9W-36Q 1 S	--	7.7	1250	89	34	126	4	0	302	210	123	3.1	0.3	0.14	--	832	362
11-27-64				4.44	2.80	5.48	0.10		4.95	4.37	3.47	0.05					
				35	22	43	1		39	34	27					738	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/10W- 1E 2 S	--	8.0	609	62	18	35	2	0	228	53	44	11	0.5	0.07	--	294	229
10-27-64				3.09	1.48	1.52	0.05		3.74	1.10	1.24	0.18					
				50	24	25	1		60	18	20	3				338	
	--	7.7	739	87	14	40	3	0	228	73	56	20	0.5	0.05	--	425	275
12-15-64				4.34	1.15	1.74	0.08		3.74	1.52	1.58	0.32					
				59	16	24	1		52	21	22	4				406	
5S/10W- 3B 1 S	--	7.6	499	59	9	31	3	0	214	45	21	3	0.5	0.05	--	277	184
6-22-65				2.94	0.74	1.35	0.08		3.51	0.94	0.59	0.05					
				58	14	26	2		69	18	12	1				277	
5S/10W- 4E 1 S	--	7.7	740	91	19	42	4	0	253	104	43	17	0.6	0.03	--	468	305
2-15-65				4.54	1.56	1.83	0.10		4.15	2.17	1.21	0.27					
				57	19	23	1		53	28	16	3				445	
	--	7.5	753	91	18	40	4	0	248	101	44	22	0.5	0.06	--	450	301
8-30-65				4.54	1.48	1.74	0.10		4.06	2.10	1.24	0.35					
				58	19	22	1		52	27	16	5				442	
5S/10W- 4P 2 S	--	7.6	940	116	22	48	4	0	295	153	54	7	0.6	0.05	--	567	380
2-15-65				5.79	1.81	2.09	0.10		4.84	3.19	1.52	0.11					
				59	18	21	1		50	33	16	1				550	
	--	7.6	952	121	22	46	4	0	296	164	56	11	0.6	0.07	--	607	393
8-30-65				6.04	1.81	2.00	0.10		4.85	3.41	1.58	0.18					
				61	18	20	1		48	34	16	2				570	
5S/10W-12L 3 S	--	7.7	698	82	15	45	2	0	235	82	47	14	0.4	0.05	--	**430**	**266**
4-19-65				4.09	1.23	1.96	0.05		3.85	1.71	1.33	0.23					
				56	17	27	1		54	24	19	3				**403**	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/10W-13B 7 S 4-20-65	--	7.5	524	54 2.69 51	10 0.82 16	39 1.70 32	2 0.05 1	0	207 3.39 66	57 1.19 23	18 0.51 10	2.5 0.04 1	0.4	0.05	--	320 285	176
5S/10W-13C 1 S 11-27 64	--	7.6	538	57 2.84 52	10 0.82 15	39 1.70 31	2 0.05 1	0	218 3.57 66	58 1.21 22	22 0.62 11	2.5 0.04 1	0.3	0.05	--	278 298	183
3-24-65	--	7.5	610	67 3.34 52	16 1.32 21	39 1.70 27	2 0.05 1	0	224 3.67 60	75 1.56 25	29 0.82 13	6.2 0.10 2	0.4	0.07	--	358 345	233
5S/10W-20N 1 S 1-18-65	--	7.5	505	54 2.69 52	10 0.82 16	38 1.65 32	2 0.05 1	0	190 3.11 65	62 1.29 27	14 0.39 8	0	0.3	0.05	--	283 274	176
5S/10W-25R 1 S 3-24-65	--	8.0	380	4 0.20 5	3 0.25 6	80 3.48 88	1 0.03 1	0	173 2.84 76	22 0.46 12	15 0.42 11	0	1.0	0.09	--	217 211	23
5S/10W-26D 3 S 1-18-65	--	7.4	461	40 2.00 44	7 0.58 13	44 1.91 42	2 0.05 1	0	185 3.03 69	48 1.00 23	13 0.37 8	0.6 0.01	0.4	0.05	--	264 246	129
5S/10W-27E 1 S 2-16-65	--	7.8	370	6 0.30 8	1 0.08 2	73 3.17 89	1 0.03 1	0	173 2.84 76	24 0.50 13	13 0.37 10	0.6 0.01	0.7	0.05	--	217 204	19
5S/10W-30P 5 S 7- 9-65	--	7.7	1200	96 4.79 39	32 2.63 21	111 4.83 39	6 0.15 1	0	151 2.47 20	337 7.02 56	110 3.10 25	2 0.03	0.6	0.16	--	820 769	371

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/10W-31A12 S	--	7.4	962	127	26	53	4	0	390	140	47	4	0.5	0.12	--	655	424
7- 9-65				6.34	2.14	2.30	0.10		6.39	2.91	1.33	0.06					
				58	20	21	1		60	27	12	1				593	
5S/10W-31B 3 S	--	8.0	543	63	13	35	3	0	251	48	25	0	0.6	0.04	--	325	211
7- 9-65				3.14	1.07	1.52	0.08		4.11	1.00	0.71						
				54	18	26	1		71	17	12					311	
5S/10W-31B 7 S	--	7.8	428	49	9	29	2	0	210	33	12	1	0.6	0.04	--	265	160
7- 9-65				2.45	0.74	1.26	0.05		3.44	0.69	0.34	0.02					
				54	16	28	1		77	15	8					239	
5S/10W-31B 8 S	--	7.5	584	69	14	37	3	0	285	40	25	0	0.6	0.08	--	350	230
7- 9-65				3.44	1.15	1.61	0.08		4.67	0.83	0.71						
				55	18	26	1		75	13	11					329	
5S/10W-31C 7 S	--	7.7	488	57	11	33	3	0	234	41	18	0	0.6	0.04	--	300	187
7- 9-65				2.84	0.90	1.43	0.08		3.84	0.85	0.51						
				54	17	27	2		74	16	10					279	
5S/10W-31H 3 S	--	8.0	525	68	9	35	3	0	237	51	23	1	0.4	0.04	--	330	207
7- 9-65				3.39	0.74	1.52	0.08		3.88	1.06	0.65	0.02					
				59	13	27	1		69	19	12					307	
5S/10W-31L 2 S	--	7.6	648	74	17	43	4	0	276	68	37	0	0.5	0.08	--	425	255
7- 9-65				3.69	1.40	1.87	0.10		4.52	1.42	1.04						
				52	20	26	1		65	20	15					379	
5S/10W-33C 2 S	--	8.0	2800	150	55	345	3	0	267	930	202	2	1.1	0.08	--	1943	601
2-16-65				7.49	4.52	15.00	0.08		4.38	19.36	5.70	0.03					
				28	17	55			15	66	19					1819	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/10W-33C 2 S	--	7.6	446	41	8	36	2	0	188	43	13	0	0.4	0.03	--	240	136
8-31-65				2.05	0.66	1.57	0.05		3.08	0.90	0.37						
				47	15	36	1		71	21	9					236	
5S/11W- 1H 1 S	--	7.6	787	85	26	40	4	0	262	105	53	8	0.6	0.04	--	506	319
7-13-65				4.24	2.14	1.74	0.10		4.29	2.19	1.49	0.13					
				52	26	21	1		53	27	18	2				450	
5S/11W- 3H 4 S	--	7.5	499	54	11	32	3	0	215	45	18	0.1	0.5	0.03	--	274	180
11-25-64				2.69	0.90	1.39	0.08		3.52	0.94	0.51						
				53	18	27	2		71	19	10					269	
	--	7.8	499	57	9	32	3	0	216	45	16	0.6	0.5	0.05	--	301	179
4-19-65				2.84	0.74	1.39	0.08		3.54	0.94	0.45	0.01					
				56	15	28	2		72	19	9					269	
5S/11W- 4D 1 S	--	7.8	430	45	9	35	2	0	207	34	12	0	0.5	0.03	--	245	150
2-16-65				2.25	0.74	1.52	0.05		3.39	0.71	0.34						
				49	16	33	1		76	16	8					239	
5S/11W- 7C 1 S	--	7.6	345	7	3	65	1	0	163	23	16	0.0	0.4	0.06	--	219	30
10-27-64				0.35	0.25	2.83	0.03		2.67	0.48	0.45						
				10	7	82	1		74	13	13					196	
5S/11W- 7C 2 S	--	8.2	536	22	3	80	1	0	153	83	31	0	0.6	0.06	--	299	68
12-15-64				1.10	0.25	3.48	0.03		2.51	1.73	0.87						
				23	5	72	1		49	34	17					296	
	--	7.6	361	9	0	71	1	0	165	21	13	1	0.6	0.07	--	229	23
4-20-65				0.45		3.09	0.03		2.70	0.44	0.37	0.02					
				13		87	1		76	12	10	1				198	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 / EAST COASTAL PLAIN HYDRO SUBAREA Y01A1 — SANTA ANA RIVER HYDRO UNIT Y0100																	
5S/11W-11Q 3 S	--	7.8	602	69	13	36	3	0	259	57	24	0	0.5	0.03	--	360	226
11-25-64				3.44	1.07	1.57	0.08		4.25	1.19	0.68						
				56	17	25	1		69	19	11					330	
	--	7.7	488	53	10	32	3	0	223	42	13	0	0.5	0.05	--	302	173
5-18-65				2.64	0.82	1.39	0.08		3.65	0.87	0.37						
				54	17	28	2		75	18	8					263	
5S/11W-14K 2 S	--	7.8	446	49	7	33	3	0	206	38	11	0	0.5	0.04	--	242	152
12-16-64				2.45	0.58	1.43	0.08		3.38	0.79	0.31						
				54	13	31	2		75	18	7					243	
5S/11W-16A 2 S	--	7.9	437	45	8	34	2	0	204	38	12	0	0.4	0.02	--	234	146
12-16-64				2.25	0.66	1.48	0.05		3.34	0.79	0.34						
				51	15	33	1		75	18	8					240	
5S/11W-16G 1 S	67	9.7	330	13	2	55	6	8	79	66	20	0.0	0.3	0.01	--	223	41
6-28-65				0.65	0.16	2.39	0.15	0.27	1.29	1.37	0.56						
				19	5	71	4	8	37	39	16					209	
5S/11W-16G 2 S	67	8.0	350	42	5	47	5	0	191	41	18	0.0	0.3	0	--	284	126
6-28-65				2.10	0.41	2.04	0.13		3.13	0.85	0.51						
				45	9	44	3		70	19	11					252	
5S/11W-16G 3 S	--	8.4	360	47	6	43	5	14	150	59	19	0.0	0.4	0.05	--	268	142
7-13-65				2.35	0.49	1.87	0.13	0.47	2.46	1.23	0.54						
				49	10	39	3	10	52	26	11					267	
5S/11W-18N 3 S	64	7.2	40000	1076	1035	8100	221	0	298	2145	15775	13	1.6	3.10	--	30670	6946
7- 2-65				53.69	85.12	352.19	5.65		4.88	44.66	444.86	0.21					
				11	17	71	1		1	9	90					28516	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0																	
EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/11W-18N 4 S	66	9.2	8850	446	94	1361	25	9	7	331	2850	9	0.4	0.24	--	6144	1501
7- 2-65				22.26	7.73	59.18	0.64	0.30	0.11	6.89	80.37	0.15					
				25	9	66	1			8	92					5129	
5S/11W-18N 5 S	64	7.4	20096	695	478	3655	98	0	254	973	7550	11	0.8	1.00	--	16360	3702
7- 2-65				34.68	39.31	158.92	2.51		4.16	20.26	212.91	0.18					
				15	17	68	1		2	9	90					13587	
5S/11W-18N 6 S	66	7.8	4647	134	56	736	6	0	141	186	1320	11	0.5	0.20	--	2930	565
7- 2-65				6.69	4.61	32.00	0.15		2.31	3.87	37.22	0.18					
				15	11	74			5	9	85					2519	
5S/11W-18N 7 S	70	7.7	386	13	3	61	2	0	173	16	14	0	0.6	0.10	--	225	45
7- 2-65				0.65	0.25	2.65	0.05		2.84	0.33	0.39						
				18	7	74	1		80	9	11					195	
5S/11W-19B 2 S	69	8.2	530	48	10	47	3	0	161	36	66	0	0.6	0.04	--	300	161
7- 8-65				2.40	0.82	2.04	0.08		2.64	0.75	1.86						
				45	15	38	1		50	14	35					290	
5S/11W-19B 3 S	--	7.9	640	60	10	57	4	0	207	37	75	0.0	0.6	0.07	--	380	191
3- 3-65				2.99	0.82	2.48	0.10		3.39	0.77	2.12						
				47	13	39	2		54	12	34					345	
	65	8.4	489	45	13	40	3	5	207	36	28	1	0.7	0.04	--	270	166
7- 8-65				2.25	1.07	1.74	0.08	0.17	3.39	0.75	0.79	0.02					
				44	21	34	2	3	66	15	15					273	
5S/11W-19B 4 S	--	7.9	458	50	8	34	4	0	212	36	17	0.0	0.6	0.05	--	298	158
3- 9-65				2.50	0.66	1.48	0.10		3.47	0.75	0.48						
				53	14	31	2		74	16	10					254	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reoctonce volue: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0																	
EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/11W-19B 4 S	68	8.2	438	46	10	37	3	0	212	34	16	0	0.6	0.05	--	260	156
7- 8-65				2.30	0.82	1.61	0.08		3.47	0.71	0.45						
				48	17	33	2		75	15	10					251	
5S/11W-19B 5 S	--	8.2	355	18	1	55	2	0	150	30	14	0.0	0.5	0.05	--	228	49
3- 9-65				0.90	0.08	2.39	0.05		2.46	0.62	0.39						
				26	2	70	1		71	18	11					194	
	71	8.6	342	15	3	59	2	10	134	30	14	0	0.5	0.06	--	200	50
7- 8-65				0.75	0.25	2.57	0.05	0.33	2.20	0.62	0.39						
				21	7	71	1	9	62	18	11					199	
5S/11W-19B 6 S	--	8.4	326	7	0	64	1	9	142	9	14	0.0	0.7	0.09	--	200	18
3- 3-65				0.35		2.78	0.03	0.30	2.33	0.19	0.39						
				11		88	1	9	73	6	12					175	
	75	8.4	301	5	1	66	1	7	146	9	17	1	0.7	0.10	--	160	17
7- 8-65				0.25	0.08	2.87	0.03	0.23	2.39	0.19	0.48	0.02					
				8	2	89	1	7	72	6	15	1				180	
5S/11W-19B 8 S	--	8.1	526	47	10	49	4	0	215	43	39	1.0	0.6	0.06	--	333	159
3- 3-65				2.35	0.82	2.13	0.10		3.52	0.90	1.10	0.02					
				44	15	39	2		64	16	20					299	
	--	8.2	446	41	10	40	3	0	195	39	22	0	0.7	0.07	--	269	144
7- 8-65				2.05	0.82	1.74	0.08		3.20	0.81	0.62						
				44	17	37	2		69	17	13					252	
5S/11W-19B 9 S	--	7.9	640	50	10	59	2	0	215	45	60	0.0	0.6	0.07	--	390	166
3- 3-65				2.50	0.82	2.57	0.05		3.52	0.94	1.69						
				42	14	43	1		57	15	27					332	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER SANTA ANA RIv HYD SUBUNIT Y01A0 EAST COASTAL PLAIN HYDRO SUBAREA Y01A1 — SANTA ANA RIVER HYDRO UNIT Y0100																	
5S/11W-19B 9 S	--	8.1	494	44	10	46	3	0	210	40	30	0	0.7	0.08	--	282	151
7- 8-65				2.20	0.82	2.00	0.08		3.44	0.83	0.85						
				43	16	39	2		67	16	17					277	
5S/11W-19B10 S	--	8.0	672	73	13	39	4	0	213	44	82	0.0	0.5	0.08	--	437	236
3- 3-65				3.64	1.07	1.70	0.10		3.49	0.92	2.31						
				56	16	26	2		52	14	34					360	
	--	8.1	675	77	15	38	3	0	211	42	85	0	0.6	0.06	--	403	254
7- 8-65				3.84	1.23	1.65	0.08		3.46	0.87	2.40						
				56	18	24	1		51	13	36					364	
5S/11W-19B11 S	--	7.3	5216	511	116	369	6	0	294	216	1517	0.0	0.4	0.20	--	4682	1753
3- 9-65				25.50	9.54	16.04	0.15		4.82	4.50	42.78						
				50	19	31			9	9	82					2880	
	68	7.1	4808	480	114	330	10	0	198	156	1420	17	0.5	0.20	--	2900	1668
7-12-65				23.95	9.38	14.35	0.26		3.25	3.25	40.04	0.27					
				50	20	30	1		7	7	86	1				2625	
5S/11W-20E 4 S	--	7.9	2381	207	74	215	4	0	486	247	440	5.0	0.4	0.24	--	1640	822
3- 3-65				10.33	6.09	9.35	0.10		7.97	5.14	12.41	0.08					
				40	24	36			31	20	48					1432	
5S/11W-20E 5 S	--	7.9	625	76	16	37	3	0	259	62	40	0.0	0.7	0.08	--	390	256
3- 3-65				3.79	1.32	1.61	0.08		4.25	1.29	1.13						
				56	19	24	1		64	19	17					362	
5S/11W-20E 6 S	--	8.2	445	44	10	38	3	0	217	35	15	0.0	0.8	0.05	--	260	151
3- 3-65				2.20	0.82	1.65	0.08		3.56	0.73	0.42						
				46	17	35	2		76	15	9					252	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/11W-20M 2 S	65	7.2	18109	1227	394	2360	27	0	140	725	6325	1	0.6	0.25	--	12088	4685
7- 9-65				61.23	32.40	102.61	0.69		2.29	15.09	178.37	0.02					
				31	16	52			1	8	91					11129	
5S/11W-20M 3 S	--	8.0	710	64	12	60	2	0	186	45	101	0.0	0.5	0.04	--	446	209
3- 2-65				3.19	0.99	2.61	0.05		3.05	0.94	2.85						
				47	14	38	1		45	14	42					376	
	66	8.0	655	62	12	53	3	0	181	41	91	0.0	0.6	0.06	--	385	204
7- 9-65				3.09	0.99	2.30	0.08		2.97	0.85	2.57						
				48	15	36	1		46	13	40					352	
5S/11W-20M 4 S	--	8.2	355	18	5	50	2	0	156	24	13	0.0	0.5	0.06	--	260	66
3- 2-65				0.90	0.41	2.17	0.05		2.56	0.50	0.37						
				25	12	61	1		75	15	11					189	
	69	8.1	360	23	3	53	2	0	160	30	16	1	0.4	0.06	--	206	70
7- 9-65				1.15	0.25	2.30	0.05		2.62	0.62	0.45	0.02					
				31	7	61	1		71	17	12	1				207	
5S/11W-20M 6 S	--	7.1	26320	2258	731	4000	36	0	237	1200	11300	12.0	1.2	0.20	--	20560	8646
3- 2-65				112.67	60.12	173.92	0.92		3.88	24.98	318.66	0.19					
				32	17	50			1	7	92					19655	
	66	7.1	29197	2236	751	4120	38	0	220	1173	11335	2	1.2	0.20	--	21830	8674
7- 9-65				111.58	61.76	179.14	0.97		3.61	24.42	319.65	0.03					
				32	17	51			1	7	92					19765	
5S/11W-20M 7 S	--	7.9	468	52	11	30	3	0	215	31	21	0.0	0.8	0.06	--	280	175
3- 2-65				2.59	0.90	1.30	0.08		3.52	0.65	0.59						
				53	18	27	2		74	14	12					255	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/11W-20M 7 S	66	8.1	478	53	11	33	3	0	217	38	26	0	0.7	0.06	--	282	177
7- 9-65				2.64	0.90	1.43	0.08		3.56	0.79	0.73						
				52	18	28	2		70	16	14					271	
5S/11W-20M 8 S	--	7.0	40486	4883	1438	5000	35	0	237	1653	19000	5.0	1.6	0.30	--	35130	
3- 2-65				243.66	118.26	217.40	0.89		3.88	34.42	535.80	0.08					
				42	20	37			1	6	93					32132	
	66	7.0	42918	5037	1510	4300	34	0	190	1522	18700	13	1.6	0.10	--	33720	8792
7- 9-65				251.35	124.18	186.96	0.87		3.11	31.69	527.34	0.21					
				45	22	33			1	6	94					31211	
5S/11W-20N 1 S	--	7.2	37860	647	1085	8270	235	0	239	2221	15360	11.0	1.0	4.00	--	30000	6081
3- 2-65				32.29	89.23	359.58	6.01		3.92	46.24	433.15	0.18					
				7	18	74	1		1	10	90					27952	
5S/11W-20N 2 S	--	7.5	6297	739	124	310	16	0	165	163	1968	9.3	0.4	0.12	--	5010	2356
3- 2-65				36.88	10.20	13.48	0.41		2.70	3.39	55.50	0.15					
				60	17	22	1		4	5	90					3411	
5S/11W-20N 3 S	--	7.2	36030	1333	907	7590	39	0	353	1940	15260	8.7	1.0	2.40	--	29800	7061
3- 2-65				66.52	74.59	330.01	1.00		5.79	40.39	430.33	0.14					
				14	16	70			1	8	90					27255	
5S/11W-20N 4 S	--	7.6	48750	823	1264	12140	289	0	355	2849	22270	14	1.1	5.00	--	41800	7257
3- 2-65				41.07	103.95	527.85	7.39		5.82	59.32	628.01	0.23					
				6	15	78	1		1	9	91					39830	
5S/11W-20Q 3 S	--	8.0	1190	121	22	77	4	0	193	58	241	0	0.5	0.11	--	879	393
9-23-65				6.04	1.81	3.35	0.10		3.16	1.21	6.80						
				53	16	30	1		28	11	61					618	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/11W-20Q 4 S	--	8.1	1524	171	30	75	4	0	185	62	352	0	0.5	0.09	--	1314	550
9-23-65				8.53	2.47	3.26	0.10		3.03	1.29	9.93						
				59	17	23	1		21	9	70					785	
5S/11W-20Q 5 S	--	7.4	11280	1417	266	699	16	0	133	467	3872	115	0.6	0.15	--	8720	4633
9-23-65				70.71	21.88	30.39	0.41		2.18	9.72	109.19	1.85					
				57	18	25			2	8	89	2				6918	
5S/11W-20Q 6 S	--	8.1	586	60	13	39	3	0	199	39	63	1	0.5	0.04	--	316	203
9-23-65				2.99	1.07	1.70	0.08		3.26	0.81	1.78	0.02					
				51	18	29	1		56	14	30					316	
5S/11W-20Q11 S	--	8.3	602	67	11	43	3	8	197	38	65	1	0.6	0.10	--	398	212
9-23-65				3.34	0.90	1.87	0.08	0.27	3.23	0.79	1.83	0.02					
				54	15	30	1	4	53	13	30					334	
5S/11W-20Q12 S	--	7.9	540	55	10	41	3	0	208	38	45	0	0.5	0.02	--	301	178
9-23-65				2.74	0.82	1.78	0.08		3.41	0.79	1.27						
				51	15	33	1		62	14	23					295	
5S/11W-20Q13 S	--	8.3	742	80	15	45	3	0	203	42	109	1	0.5	0.10	--	468	261
9-23-65				3.99	1.23	1.96	0.08		3.33	0.87	3.07	0.02					
				55	17	27	1		46	12	42					395	
5S/11W-21G 1 S	69	8.3	572	44	3	83	5	19	151	68	53	0	0.4	0.05	--	332	123
6-25-65				2.20	0.25	3.61	0.13	0.63	2.47	1.42	1.49						
				36	4	58	2	10	41	24	25					350	
5S/11W-21M 7 S	--	7.9	540	61	16	42	3	0	214	88	28	0.0	0.2	0.12	--	462	218
1-25-65				3.04	1.32	1.83	0.08		3.51	1.83	0.79						
				48	21	29	1		57	30	13					344	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/11W-21N 1 S	--	8.3	340	18	3	58	1	1	159	29	18	0.0	0.4	0.10	--	228	58
1-26-65				0.90	0.25	2.52	0.03	0.03	2.61	0.60	0.51						
				24	7	68	1	1	70	16	14					207	
5S/11W-21N 2 S	--	8.0	530	46	20	51	2	0	197	108	22	0.0	0.4	0.12	--	368	197
1-25-65				2.30	1.64	2.22	0.05		3.23	2.25	0.62						
				37	26	36	1		53	37	10					346	
5S/11W-21N 3 S	--	8.2	390	30	13	37	2	0	193	31	20	0.0	0.2	0.10	--	242	129
1-25-65				1.50	1.07	1.61	0.05		3.16	0.65	0.56						
				35	25	38	1		72	15	13					228	
5S/11W-21N 4 S	--	7.7	590	74	13	54	3	0	220	102	46	0.0	0.4	0.10	--	400	238
1-25-65				3.69	1.07	2.35	0.08		3.61	2.12	1.30						
				51	15	33	1		51	30	18					401	
5S/11W-21N 5 S	--	7.9	565	72	13	41	4	0	252	47	46	0.0	0.2	0.10	--	380	233
1-25-65				3.59	1.07	1.78	0.10		4.13	0.98	1.30						
				55	16	27	2		64	15	20					347	
5S/11W-21N 6 S	--	7.8	500	56	17	36	3	0	216	37	51	0.0	0.4	0.10	--	334	210
1-25-65				2.79	1.40	1.57	0.08		3.54	0.77	1.44						
				48	24	27	1		62	13	25					307	
5S/11W-21N 7 S	--	7.8	540	57	21	41	3	0	235	50	52	0.0	0.2	0.07	--	404	229
1-25-65				2.84	1.73	1.78	0.08		3.85	1.04	1.47						
				44	27	28	1		61	16	23					340	
5S/11W-21N 8 S	--	8.3	330	19	2	53	1	1	154	29	14	0.0	0.2	0.10	--	226	56
1-25-65				0.95	0.16	2.30	0.03	0.03	2.52	0.60	0.39						
				28	5	67	1	1	71	17	11					195	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/11W-23A 3 S	--	7.4	530	55	9	30	3	0	211	43	14	0.5	--	--	--	291	174
1-19-65				2.74	0.74	1.30	0.08		3.46	0.90	0.39	0.01					
				56	15	27	2		73	19	8					258	
	--	7.6	476	54	10	31	3	0	214	45	16	1.2	0.6	0.04	--	229	176
6-21-65				2.69	0.82	1.35	0.08		3.51	0.94	0.45	0.02					
				54	17	27	2		71	19	9					266	
5S/11W-26H 7 S	68	8.4	559	41	5	66	5	12	146	63	46	0.8	0.5	0.06	--	320	123
6- 1-65				2.05	0.41	2.87	0.13	0.40	2.39	1.31	1.30	0.01					
				38	8	53	2	7	44	24	24					311	
5S/11W-26H 8 S	68	8.0	513	41	6	55	5	0	175	57	32	0.8	0.3	0.04	--	360	127
6- 2-65				2.05	0.49	2.39	0.13		2.87	1.19	0.90	0.01					
				41	10	47			58	24	18					283	
5S/11W-26M 7 S	--	7.7	436	16	1	88	1	0	246	7	13	0.6	0.7	0.17	--	261	44
4-20-65				0.80	0.08	3.83	0.03		4.03	0.15	0.37	0.01					
				17	2	81	1		88	3	8					248	
5S/11W-26M 9 S	--	8.2	393	9	1	80	0	0	196	13	13	0	0.6	0.08	--	241	27
11-27-64				0.45	0.08	3.48			3.21	0.27	0.37						
				11	2	87			83	7	10					213	
	--	8.0	380	11	1	77	1	0	199	13	16	1.2	0.9	0.11	--	237	32
3-24-65				0.55	0.08	3.35	0.03		3.26	0.27	0.45	0.02					
				14	2	84	1		82	7	11	1				219	
	--	8.0	388	9	1	75	1	0	190	12	16	0.6	0.7	0.11	--	219	27
7-12-65				0.45	0.08	3.26	0.03		3.11	0.25	0.45	0.01					
				12	2	85	1		81	7	12					209	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 / EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/11W-26Q 1 S	69	8.4	428	37	4	50	4	8	173	34	16	8	0.4	0.05	--	260	109
5-25-65				1.85	0.33	2.17	0.10	0.27	2.84	0.71	0.45	0.13					
				42	7	49	2	6	65	16	10	3				246	
5S/11W-26Q 2 S	68	8.2	580	63	10	55	5	11	139	84	60	7.5	0.6	0.05	--	396	198
5-25-65				3.14	0.82	2.39	0.13	0.37	2.28	1.75	1.69	0.12					
				48	13	37	2	6	37	28	27	2				364	
5S/11W-27Q 3 S	69	8.9	370	10	0	88	3	28	183	0	23	0.8	0.6	0.13	--	364	25
6-14-65				0.50		3.83	0.08	0.93	3.00		0.65	0.01					
				11		87	2	20	65		14					243	
5S/11W-27Q 4 S	69	8.1	575	36	7	74	5	0	124	119	30	14.6	0.3	0.16	--	416	119
6-14-65				1.80	0.58	3.22	0.13		2.03	2.48	0.85	0.24					
				31	10	56	2		36	44	15	4				347	
5S/11W-28D 4 S	--	7.3	730	89	28	41	3	0	227	208	25	0.0	0.2	0.15	--	542	337
1-25-65				4.44	2.30	1.78	0.08		3.72	4.33	0.71						
				52	27	21	1		42	49	8					506	
5S/11W-28D 5 S	--	7.9	630	49	23	51	2	0	212	124	20	0.0	0.2	0.18	--	400	217
12-23-64				2.45	1.89	2.22	0.05		3.47	2.58	0.56						
				37	29	34	1		52	39	8					374	
	--	8.0	532	58	13	52	2	0	201	110	21	0.0	0.2	0.10	--	370	198
1-25-65				2.89	1.07	2.26	0.05		3.29	2.29	0.59						
				46	17	36	1		53	37	10					355	
5S/11W-28D 6 S	--	7.7	990	126	32	47	3	0	203	328	35	0.0	0.2	0.15	--	694	446
12-18-64				6.29	2.63	2.04	0.08		3.33	6.83	0.99						
				57	24	18	1		30	61	9					671	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/11W-28D 6 S	--	7.6	820	116	26	45	3	0	196	259	41	0.0	0.4	0.12	--	630	397
1-25-65				5.79	2.14	1.96	0.08		3.21	5.39	1.16						
				58	21	20	1		33	55	12					587	
5S/11W-28M 2 S	67	8.2	622	38	3	81	2	0	170	20	96	0	0.4	0.05	--	335	108
7- 6-65				1.90	0.25	3.52	0.05		2.79	0.42	2.71						
				33	4	62	1		47	7	46					324	
5S/11W-29A 7 S	--	7.7	455	40	12	42	2	0	203	34	25	0.0	0.4	0.12	--	240	150
1-25-65				2.00	0.99	1.83	0.05		3.33	0.71	0.71						
				41	20	38	1		70	15	15					255	
5S/11W-29B 5 S	69	9.4	910	4	1	205	13	41	219	5	156	0.0	0.1	0.05	--	584	14
11- 6-64				0.20	0.08	8.91	0.33	1.37	3.59	0.10	4.40						
				2	1	94	3	14	38	1	47					533	
5S/11W-29B 9 S	--	8.2	979	98	16	68	3	0	173	41	195	1.5	0.4	0.09	--	700	311
9-23-65				4.89	1.32	2.96	0.08		2.84	0.85	5.50	0.02					
				53	14	32	1		31	9	60					508	
5S/11W-29B11 S	--	8.0	832	76	11	67	3	0	159	37	155	1	0.5	0.10	--	521	235
9-23-65				3.79	0.90	2.91	0.08		2.61	0.77	4.37	0.02					
				49	12	38	1		34	10	56					429	
5S/11W-29B12 S	--	7.6	4368	424	89	300	9	0	123	132	1320	8	0.4	0.30	--	3012	1425
9-23-65				21.16	7.32	13.04	0.23		2.02	2.75	37.22	0.13					
				51	18	31	1		5	7	88					2343	
5S/11W-29C 5 S	--	7.1	40323	793	1134	8720	130	0	183	2260	16150	9.0	1.6	2.50	--	31540	6647
3- 2-65				39.57	93.26	379.15	3.32		3.00	47.05	455.43	0.15					
				8	18	74	1		1	9	90					29290	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/11W-29C 6 S	--	7.2	23800	1155	592	4320	43	0	195	1275	9400	7.0	1.0	2.20	--	18390	5320
3- 2-65				57.63	48.69	187.83	1.10		3.20	26.55	265.08	0.11					
				20	16	64			1	9	90					16891	
5S/11W-29C 7 S	--	7.2	16950	1251	320	2550	21	0	207	576	6500	7.0	0.9	7.20	--	12330	4441
3- 2-65				62.42	26.32	110.87	0.54		3.39	11.99	183.30	0.11					
				31	13	55			2	6	92					11335	
5S/11W-29C 8 S	--	7.8	7463	201	127	1300	16	0	59	430	2375	12.0	0.9	0.80	--	4810	1024
3- 2-65				10.03	10.44	56.52	0.41		0.97	8.95	66.98	0.19					
				13	13	73	1		1	12	87					4492	
5S/11W-33B 2 S	65	7.9	904	94	14	58	4	0	209	1	173	0	0.4	0.06	--	626	292
7- 6-65				4.69	1.15	2.52	0.10		3.43	0.02	4.88						
				55	14	30	1		41		59					447	
5S/11W-33B 3 S	69	6.5	14970	344	171	2800	113	0	32	604	4950	31	1.1	0.50	--	9500	1563
7- 6-65				17.17	14.06	121.74	2.89		0.52	12.58	139.59	0.50					
				11	9	78	2			8	91					9030	
5S/11W-33B 5 S	69	7.5	395	40	5	38	2	0	190	30	13	0	0.6	0.06	--	220	121
6- 7-65				2.00	0.41	1.65	0.05		3.11	0.62	0.37						
				49	10	40	1		76	15	9					222	
5S/12W-13A 2 S	66	7.2	19880	947	426	3100	35	0	242	927	6825	15	0.8	0.60	--	13790	4118
7- 1-65				47.26	35.03	134.79	0.89		3.97	19.30	192.47	0.24					
				22	16	62			2	9	89					12395	
5S/12W-13A 4 S	65	8.2	769	60	14	75	4	0	209	39	114	0	0.6	0.02	--	388	207
7- 1-65				2.99	1.15	3.26	0.10		3.43	0.81	3.21						
				40	15	43	1		46	11	43					409	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 / EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
5S/12W-13A 5 S	66	7.8	446	40	7	45	3	0	190	39	23	0	0.7	0.05	--	250	129
7- 1-65				2.00	0.58	1.96	0.08		3.11	0.81	0.65						
				43	13	42	2		68	18	14					251	
5S/12W-13A 6 S	70	8.1	542	24	5	84	2	0	159	35	71	0	0.5	0.08	--	330	81
7- 1-65				1.20	0.41	3.65	0.05		2.61	0.73	2.00						
				23	8	69	1		49	14	37					300	
5S/12W-13A 7 S	72	8.0	341	2	4	70	1	0	178	1	18	1	0.9	0.16	--	220	22
7- 1-65				0.10	0.33	3.04	0.03		2.92	0.02	0.51	0.02					
				3	9	87	1		84	1	15	1				186	
6S/ 8W- 5E 2 S	84	7.4	1210	92	36	126	5	0	300	243	96	9.3	0.5	0.16	58	842	378
10-21-64				4.59	2.96	5.48	0.13		4.92	5.06	2.71	0.15					
				35	22	42	1		38	39	21	1				813	
	83	7.8	1117	88	30	106	3	0	297	207	85	9.5	0.4	0.12	57	734	343
5- 4-65				4.39	2.47	4.61	0.08		4.87	4.31	2.40	0.15					
				38	21	40	1		42	37	20	1				732	
6S/ 8W- 7Q 1 S	--	7.4	1271	--	--	--	--	0	207	--	171	--	--	--	--		
10-21-64									3.39		4.82						
	--	7.6	1271	--	--	--	--	0	211	--	168	34	--	--	--		
5- 4-65									3.46		4.74	0.55					
6S/ 8W-17D 2 S	--	7.6	1355	91	21	165	3	0	235	189	175	38	0.4	0.08	52	848	314
5- 4-65				4.54	1.73	7.17	0.08		3.85	3.93	4.94	0.61					
				34	13	53	1		29	29	37	5				850	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0																	
EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
6S/ 8W-26B 2 S	63	7.4	1392	102	36	140	5	0	356	246	137	0.0	0.3	0.09	40	921	403
11-13-64				5.09	2.96	6.09	0.13		5.83	5.12	3.86						
				36	21	43	1		39	35	26					881	
6S/ 9W- 1L 1 S	--	7.3	1168	--	--	--	--	0	238	--	145	--	--	--	--		
10-21-64									3.90		4.09						
	--	7.6	1200	84	28	117	4	0	221	149	155	29	0.5	0.17	--	767	325
10-27-64				4.19	2.30	5.09	0.10		3.62	3.10	4.37	0.47					
				36	20	44	1		31	27	38	4				675	
6S/ 9W- 2A 4 S	--	7.6	1520	137	41	117	3	0	267	253	186	30	0.4	0.12	--	1037	511
10-27-64				6.84	3.37	5.09	0.08		4.38	5.27	5.25	0.48					
				44	22	33	1		28	34	34	3				899	
6S/ 9W- 2D 1 S	82	7.5	731	--	--	--	--	0	207	86	73	--	--	--	--		
2-17-65									3.39	1.79	2.06						
6S/ 9W- 5A 1 S	90	9.0	565	8	2	115	1	20	161	12	70	0	1.0	0.26	19	354	28
10-21-64				0.40	0.16	5.00	0.03	0.67	2.64	0.25	1.97						
				7	3	89	1	12	48	5	36					327	
	--	8.9	552	--	--	--	--	23	148	--	63	--	--	--	--		
5- 4-65								0.77	2.43		1.78						
6S/10W- 1L 1 S	--	7.8	884	--	--	--	--	--	185	--	49	--	--	--	--		
10-13-64									3.03		1.38						

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0																	
EAST COASTAL PLAIN HYDRO SUBAREA Y01A1																	
6S/10W- 1L 1 S	--	7.7	904	--	--	--	--	0	191	--	49	--	--	--	--		
5-13-65									3.13		1.38						
6S/10W- 5B 4 S	--	7.5	455	44	9	38	2	0	197	44	15	0	0.4	0.02	--	232	147
7-13-65				2.20	0.74	1.65	0.05		3.23	0.92	0.42						
				47	16	36	1		71	20	9					249	
6S/10W- 6H 1 S	--	7.6	1330	140	31	58	4	0	203	30	298	0	0	0.03	--	980	477
10-27-64				6.99	2.55	2.52	0.10		3.33	0.62	8.40						
				57	21	21	1		27	5	68					661	
6S/11W- 1N 1 S	--	7.7	520	14	2	106	2	0	311	0	15	2	0.8	0.26	--	321	43
3-24-65				0.70	0.16	4.61	0.05		5.10		0.42	0.03					
				13	3	84	1		92		8	1				295	
SANTIAGO HYDRO SUBAREA Y01A2																	
5S/ 7W-19R 1 S	--	7.1	1210	141	42	72	1	0	426	267	52	2	0.2	0.15	20	839	525
3-17-65				7.04	3.45	3.13	0.03		6.98	5.56	1.47	0.03					
				52	25	23			50	40	10					807	
5S/ 8W- 1N 1 S	--	7.6	1337	--	--	--	--	0	299	--	44	--	--	--	--		
3-17-65									4.90		1.24						
5S/ 8W-13C 1 S	--	7.3	861	--	--	--	--	0	308	--	27	--	--	--	--		
3-17-65									5.05		0.76						

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 / SANTA ANA NARROWS HYDRO SUBAREA Y01A3									SANTA ANA RIVER HYDRO UNIT Y0100								
3S/ 8W-25J 1 S																	
10-13-64	--	7.8	1666	--	--	--	--	0	376 6.16	372 7.75	149 4.20	--	--	--	--		
4-14-65	--	7.6	1588	--	--	--	--	0	381 6.24	351 7.31	144 4.06	--	--	--	--		
3S/ 8W-31E 2 S																	
10-13-64	--	7.5	1105	--	--	--	--	0	148 2.43	298 6.20	93 2.62	--	--	--	--		
4-14-65	--	7.5	1155	--	--	--	--	0	181 2.97	297 6.18	101 2.85	--	--	--	--		
3S/ 8W-33K 2 S																	
10-13-64	--	7.4	1552	--	--	--	--	0	336 5.51	411 8.56	118 3.33	--	--	--	--		
4-14-65	--	7.3	1576	--	--	--	--	0	353 5.79	395 8.22	122 3.44	--	--	--	--		
3S/ 8W-34M 1 S																	
10- 6-64	--	7.3	1495	--	--	--	--	0	350 5.74	--	126 3.55	--	0.5	--	--		
4-14-65	--	7.4	1552	--	--	--	--	0	349 5.72	--	131 3.69	--	--	--	--		

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER SANTA ANA RIV HYD SUBUNIT Y01A0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
SANTA ANA NARROWS HYDRO SUBAREA Y01A3																	
3S/ 9W-35Q 1 S	--	7.6	1136	--	--	--	--	0	178	294	95	--	--	--	--		
10-13-64									2.92	6.12	2.68						
	--	7.6	1123	--	--	--	--	0	163	291	99	--	--	--	--		
4-14-65									2.67	6.06	2.79						
4S/ 9W- 1C 1 S	--	7.6	1517	158	40	105	4	0	322	319	147	5.8	0.6	0.26	19	1019	559
10-13-64				7.88	3.29	4.57	0.10		5.28	6.64	4.15	0.09					
				50	21	29	1		33	41	26	1				957	
4S/ 9W- 1E 2 S	--	7.6	1694	159	56	143	5	0	383	331	173	26	0.6	0.21	15	1148	628
10-13-64				7.93	4.61	6.22	0.13		6.28	6.89	4.88	0.42					
				42	24	33	1		34	37	26	2				1097	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 CHINO HYDRO SUBAREA Y01B1																	
1S/ 5W- 6D 1 S	--	7.6	367	49	6	20	2	0	209	5	7	8.1	0.2	0	--	229	147
2- 4-65				2.45	0.49	0.87	0.05		3.43	0.10	0.20	0.13					
				63	13	23	1		89	3	5	3				200	
	--	7.9	872	75	24	78	4	0	160	217	71	2.2	0.7	0.10	--	572	286
9-13-65				3.74	1.97	3.39	0.10		2.62	4.52	2.00	0.04					
				41	21	37	1		29	49	22					551	
1S/ 5W-15G 1 S	--	7.6	433	64	5	16	2	0	192	25	10	29	0.3	0	--	271	180
2- 4-65				3.19	0.41	0.70	0.05		3.15	0.52	0.28	0.47					
				73	9	16	1		71	12	6	1				246	
	--	7.8	420	64	8	16	2	0	196	25	11	29	0.3	0	--	265	193
9-13-65				3.19	0.66	0.70	0.05		3.21	0.52	0.31	0.47					
				69	14	15	1		71	12	7	10				252	
1S/ 5W-16J 1 S	--	7.6	439	61	8	16	2	0	189	26	10	33	0.3	0	--	264	185
2- 4-65				3.04	0.66	0.70	0.05		3.10	0.54	0.28	0.53					
				68	15	16	1		70	12	6	12				249	
1S/ 5W-20D 1 S	--	7.7	403	58	7	16	2	0	186	8	19	26	0.3	0	--	242	174
9-13-65				2.89	0.58	0.70	0.05		3.05	0.17	0.54	0.42					
				68	14	17	1		73	4	13	10				228	
1S/ 5W-21B 1 S	--	7.8	429	65	7	16	2	0	193	24	13	32	0.3	0	--	261	191
9-13-65				3.24	0.58	0.70	0.05		3.16	0.50	0.37	0.52					
				71	13	15	1		69	11	8	11				254	
1S/ 6W-11B 1 S	--	7.9	362	51	8	16	2	0	205	7	9	9.5	0.5	0.01	--	205	160
6-29-65				2.54	0.66	0.70	0.05		3.36	0.15	0.25	0.15					
				64	17	18	1		86	4	6	4				204	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 6W-11N 1 S	--	7.9	529	61	11	36	2	0	192	79	29	6.2	0.4	0.06	--	341	197
1-28-65				3.04	0.90	1.57	0.05		3.15	1.64	0.82	0.10					
				55	16	28	1		55	29	14	2				319	
	--	7.9	360	52	7	16	2	0	203	7	9	9.5	0.4	0.02	--	218	159
6-29-65				2.59	0.58	0.70	0.05		3.33	0.15	0.25	0.15					
				66	15	18	1		86	4	6	4				203	
	--	7.8	373	49	8	18	2	0	202	9	10	12	0.2	0.01	--	210	156
9-28-65				2.45	0.66	0.78	0.05		3.31	0.19	0.28	0.19					
				62	17	20	1		83	5	7	5				208	
1S/ 6W-12P 1 S	--	7.8	536	60	17	34	3	0	184	79	30	8.3	0.3	0.04	--	328	220
1-28-65				2.99	1.40	1.48	0.08		3.02	1.64	0.85	0.13					
				50	24	25	1		54	29	15	2				322	
	--	7.9	390	57	5	21	2	0	205	15	11	16.0	0.3	0.01	--	233	163
6-29-65				2.84	0.41	0.91	0.05		3.36	0.31	0.31	0.26					
				67	10	22	1		79	7	7	6				228	
1S/ 6W-16A 1 S	--	7.5	340	41	9	16	2	0	183	10	6	8	0.3	0	--	210	140
3- 8-65				2.05	0.74	0.70	0.05		3.00	0.21	0.17	0.13					
				58	21	20	1		85	6	5	4				182	
	--	7.7	375	45	12	18	2	0	200	12	14	13	0.3	0	--	235	162
9-27-65				2.25	0.99	0.78	0.05		3.28	0.25	0.39	0.21					
				55	24	19	1		79	6	9	5				215	
1S/ 6W-16L 1 S	--	7.9	295	38	7	14	2	0	161	10	7	6.0	0.4	0.02	--	196	124
6-29-65				1.90	0.58	0.61	0.05		2.64	0.21	0.20	0.10					
				61	18	19	2		84	7	6	3				164	

TABLE C-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 6W-17H 1 S	--	7.3	272	33	5	14	1	0	139	7	6	6	0.2	0	--	170	103
3- 8-65				1.65	0.41	0.61	0.03		2.28	0.15	0.17	0.10					
				61	15	23	1		84	6	6	4				141	
1S/ 6W-20Q 1 S	--	7.9	351	44	10	18	2	0	188	10	12	11	0.3	0	--	250	151
9-30-65				2.20	0.82	0.78	0.05		3.08	0.21	0.34	0.18					
				57	21	20	1		81	6	9	5				200	
1S/ 6W-21P 1 S	--	7.5	1111	175	21	30	3	0	221	212	123	14	0.3	0.02	--	910	523
9-30-65				8.73	1.73	1.30	0.08		3.62	4.41	3.47	0.23					
				74	15	11	1		31	38	30	2				687	
1S/ 6W-28M 3 S	--	7.9	424	58	5	21	2	0	193	7	24	16	0.1	0.02	--	258	165
3- 8-65				2.89	0.41	0.91	0.05		3.16	0.15	0.68	0.26					
				68	10	21	1		74	4	16	6				228	
1S/ 6W-28N 1 S	--	7.8	422	58	6	23	2	0	200	7	23	17	0.1	0.01	--	246	169
9-30-65				2.89	0.49	1.00	0.05		3.28	0.15	0.65	0.27					
				65	11	23	1		75	3	15	6				234	
1S/ 6W-29R 1 S	--	7.7	436	60	4	23	2	0	196	7	30	21	0.1	0.04	--	290	166
1-28-65				2.99	0.33	1.00	0.05		3.21	0.15	0.85	0.34					
				68	8	23	1		71	3	19	7				243	
	--	7.7	437	59	5	24	2	0	190	7	27	20	0.2	0	--	273	168
3- 8-65				2.94	0.41	1.04	0.05		3.11	0.15	0.76	0.32					
				66	9	23	1		72	3	18	7				238	
	--	8.1	423	59	5	23	3	5	188	7	27	22.5	0.3	0.01	--	279	168
6-29-65				2.94	0.41	1.00	0.08	0.17	3.08	0.15	0.76	0.36					
				66	9	23	2	4	68	3	17	8				244	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 CHINO HYDRO SUBAREA Y01B1																	
1S/ 6W-29R 1 S	--	7.3	430	63	6	26	2	0	201	17	29	24	0.2	0.03	--	295	182
9-30-65				3.14	0.49	1.13	0.05		3.29	0.35	0.82	0.39					
				65	10	23	1		68	7	17	8				266	
1S/ 6W-31D 1 S	--	7.9	257	26	9	14	1	0	144	7	5	3	0.2	0	--	170	102
3-11-65				1.30	0.74	0.61	0.03		2.36	0.15	0.14	0.05					
				49	28	23	1		87	6	5	2				136	
	--	7.6	251	28	6	16	2	0	143	10	5	1	0.2	0.01	--	155	95
9-30-65				1.40	0.49	0.70	0.05		2.34	0.21	0.14	0.02					
				53	19	27	2		86	8	5	1				139	
1S/ 6W-31M 1 S	--	7.6	476	53	13	25	1	0	205	6	32	19	0.2	0	--	290	186
3-11-65				2.64	1.07	1.09	0.03		3.36	0.12	0.90	0.31					
				55	22	23	1		72	3	19	7				250	
	--	7.7	490	53	14	28	2	0	217	8	35	21	0.2	0.01	--	295	190
9-29-65				2.64	1.15	1.22	0.05		3.56	0.17	0.99	0.34					
				52	23	24	1		70	3	20	7				268	
1S/ 6W-34M 1 S	--	7.8	444	58	6	23	2	0	184	13	34	20	0.2	0.04	--	272	169
1-28-65				2.89	0.49	1.00	0.05		3.02	0.27	0.96	0.32					
				65	11	23	1		66	6	21	7				247	
	--	7.9	434	61	5	20	3	0	181	14	30	22.0	0.5	0.01	--	270	173
6-29-65				3.04	0.41	0.87	0.08		2.97	0.29	0.85	0.35					
				69	9	20	2		67	7	19	8				244	
1S/ 6W-35A 1 S	--	7.7	384	50	8	19	2	0	198	12	10	17	0.3	0	--	234	158
6-29-65				2.50	0.66	0.83	0.05		3.25	0.25	0.28	0.27					
				62	16	21	1		80	6	7	7				216	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / CHINO HYDRO SUBAREA Y01B1 — SANTA ANA RIVER HYDRO UNIT Y0100																	
1S/ 7W- 8N 1 S	--	7.8	354	47	10	13	1	0	186	14	8	12.5	0.3	0.04	--	233	159
1-28-65				2.35	0.82	0.57	0.03		3.05	0.29	0.23	0.20					
				62	22	15	1		81	8	6	5				197	
	--	8.0	348	50	9	13	2	0	186	13	8	13	0.5	0.03	--	196	162
6-30-65				2.50	0.74	0.57	0.05		3.05	0.27	0.23	0.21					
				65	19	15	1		81	7	6	6				200	
1S/ 7W-20A 1 S	--	7.9	374	50	10	16	2	0	178	17	8	27	0.5	0.02	--	230	166
6-30-65				2.50	0.82	0.70	0.05		2.92	0.35	0.23	0.44					
				61	20	17	1		74	9	6	11				218	
1S/ 7W-21D 1 S	--	8.0	326	37	8	23	1	0	166	21	6	69	0.6	0.02	--	199	126
6-30-65				1.85	0.66	1.00	0.03		2.72	0.44	0.17	1.11					
				52	19	28	1		61	10	4	25				247	
1S/ 7W-26A 1 S	--	8.4	346	43	10	18	2	12	178	11	6	5	0.2	0.01	--	220	149
9-30-65				2.15	0.82	0.78	0.05	0.40	2.92	0.23	0.17	0.08					
				57	22	21	1	11	77	6	4	2				195	
1S/ 7W-26P 1 S	--	8.0	345	43	9	18	2	0	195	13	6	2	0.2	0.02	--	210	145
3-11-65				2.15	0.74	0.78	0.05		3.20	0.27	0.17	0.03					
				58	20	21	1		87	7	5	1				189	
	--	7.8	346	44	8	19	2	0	202	15	5	1	0.2	0.01	--	210	143
9-30-65				2.20	0.66	0.83	0.05		3.31	0.31	0.14	0.02					
				59	18	22	1		88	8	4	1				194	
1S/ 7W-30Q 1 S	--	8.1	357	45	12	13	2	5	186	10	8	16	0.4	0.02	--	220	162
6-29-65				2.25	0.99	0.57	0.05	0.17	3.04	0.21	0.23	0.26					
				58	26	15	1	4	78	5	6	7				203	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 7W-33E 1 S	--	7.9	746	94	31	21	2	0	361	15	55	9.5	0.5	0.03	--	488	362
6-30-65				4.69	2.55	0.91	0.05		5.92	0.31	1.55	0.15					
				57	31	11	1			4	20	2				406	
1S/ 7W-35B 1 S	--	8.1	373	47	9	20	2	0	207	8	13	8	0.2	0	--	220	155
9-30-65				2.35	0.74	0.87	0.05		3.39	0.17	0.37	0.13					
				59	18	22	1		83	4	9	3				209	
1S/ 8W- 9R 1 S	--	9.2	262	5	0	54	1	14	88	22	4	5.3	0.6	0.05	--	158	13
11-13-64				0.25		2.35	0.03	0.47	1.44	0.46	0.11	0.09					
				10		89	1	18	56	18	4	4				149	
1S/ 8W-14A 1 S	--	7.8	528	70	16	13	2	0	186	37	11	77	0	0.02	--	347	241
11-13-64				3.49	1.32	0.57	0.05		3.05	0.77	0.31	1.24					
				64	24	10	1		57	14	6	23				317	
	--	7.9	569	78	18	12	2	0	186	44	12	87	0.4	0.02	--	365	269
11-19-64				3.89	1.48	0.52	0.05		3.05	0.92	0.34	1.40					
				65	25	9	1		53	16	6	25				345	
	--	7.5	440	54	14	16	2	0	184	24	9	50	0.4	0.04	--	275	192
12- 7-64				2.69	1.15	0.70	0.05		3.02	0.50	0.25	0.81					
				59	25	15	1		66	11	5	18				260	
	--	7.8	467	55	17	15	2	0	184	28	9	60	0.4	0.03	--	316	207
12-10-64				2.74	1.40	0.65	0.05		3.02	0.58	0.25	0.97					
				57	29	13	1		63	12	5	20				277	
	--	7.3	441	53	15	16	2	0	184	25	8	49	0.4	0.03	--	296	194
12-17-64				2.64	1.23	0.70	0.05		3.02	0.52	0.23	0.79					
				57	27	15	1		66	11	5	17				259	

TABLE 2-Y

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-14A 1 S	--	7.4	477	58	16	15	2	0	181	28	10	62	0.4	0.04	--	288	211
12-23-64				2.89	1.32	0.65	0.05		2.97	0.58	0.28	1.00					
				59	27	13	1		61	12	6	21				280	
	--	7.8	537	73	14	14	2	0	186	39	13	78	0.4	0.03	--	361	240
2- 4-65				3.64	1.15	0.61	0.05		3.05	0.81	0.37	1.26					
				67	21	11	1		56	15	7	23				325	
	--	7.7	481	63	13	14	2	0	181	26	10	62	0.6	0.02	--	314	211
2-18-65				3.14	1.07	0.61	0.05		2.97	0.54	0.28	1.00					
				64	22	13	1		62	11	6	21				280	
	--	7.5	452	58	14	15	2	0	186	24	9	49	0.4	0.02	--	335	202
2-26-65				2.89	1.15	0.65	0.05		3.05	0.50	0.25	0.79					
				61	24	14	1		66	11	5	17				263	
	--	7.8	459	55	15	14	2	0	183	27	10	54	0.5	0.06	--	289	199
3- 4-65				2.74	1.23	0.61	0.05		3.00	0.56	0.28	0.87					
				59	27	13	1		64	12	6	18				267	
	--	7.8	455	59	13	14	2	0	181	27	8	57	0.5	0.04	--	306	201
3-11-65				2.94	1.07	0.61	0.05		2.97	0.56	0.23	0.92					
				63	23	13	1		63	12	5	20				269	
	--	7.7	519	69	15	13	2	0	183	36	11	78	0.3	0.04	--	319	234
3-18-65				3.44	1.23	0.57	0.05		3.00	0.75	0.31	1.26					
				65	23	11	1		56	14	6	24				314	
	--	7.6	458	--	--	--	--	--	--	25	--	--	--	--	--	299	
3-25-65										0.52							

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-14A 1 S																	
4- 5-65	--	7.6	569	--	--	--	--	--	--	43 0.90	--	--	--	--	--	326	
4-16-65	--	7.8	472	--	--	--	--	--	--	30 0.62	--	--	--	--	--	324	
4-23-65	--	7.5	568	--	--	--	--	--	--	42 0.87	--	--	--	--	--	403	
4-29-65	--	7.8	491	--	--	--	--	--	--	31 0.65	--	--	--	--	--	356	
5- 6-65	--	7.6	581	--	--	--	--	--	--	50 1.04	--	--	--	--	--	404	
5-13-65	--	7.3	486	--	--	--	--	--	--	31 0.65	--	--	--	--	--	308	
5-21-65	--	7.8	457	--	--	--	--	--	--	24 0.50	--	--	--	--	--	255	
5-27-65	--	8.1	522	--	--	--	--	--	--	38 0.79	--	--	--	--	--	332	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-14A 1 S	--	7.8	532	--	--	--	--	--	--	36	--	--	--	--	--	248	
6- 3-65										0.75							
	--	7.6	479	--	--	--	--	--	--	25	--	--	--	--	--	301	
6-10-65										0.52							
	--	7.9	571	--	--	--	--	--	--	50	--	--	--	--	--	378	
6-17-65										1.04							
	--	7.6	448	--	--	--	--	--	--	26	--	--	--	--	--	300	
7-22-65										0.54							
	--	7.5	566	77	18	13	2	0	190	46	13	93	0.6	0.04	--	399	266
8- 6-65				3.84	1.48	0.57	0.05		3.11	0.96	0.37	1.50					
				65	25	10	1		52	16	6	25				356	
	--	7.8	563	--	--	--	--	--	--	45	--	--	--	--	--	389	
8-12-65										0.94							
	--	7.8	444	--	--	--	--	--	--	26	--	--	--	--	--	254	
9-23-65										0.54							
	--	7.8	446	--	--	--	--	--	--	21	--	--		--	--	287	
9-30-65										0.44							

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-14A 3 S	--	7.6	576	82	16	11	3	0	186	51	12	94	0.4	0.01	--	391	271
7- 1-65				4.09	1.32	0.48	0.08		3.05	1.06	0.34	1.52					
				69	22	8	1		51	18	6	25				361	
	--	7.8	500	--	--	--	--	--	--	36	--	--	--	--	--	356	
7-15-65										0.75							
1S/ 8W-14N 1 S	--	7.7	303	62	13	11	2	0	192	24	9	43	0.2	0.01	--		208
10- 1-64				3.09	1.07	0.48	0.05		3.15	0.50	0.25	0.69				265	
				66	23	10	1		69	11	5	15				259	
	--	7.8	427	62	12	11	2	0	190	24	8	44	0.2	0.02	--		204
10- 7-64				3.09	0.99	0.48	0.05		3.11	0.50	0.23	0.71				252	
				67	21	10	1		68	11	5	16				257	
	--	7.7	436	62	14	11	2	0	192	26	10	50	0.3	0	--		212
10-15-64				3.09	1.15	0.48	0.05		3.15	0.54	0.28	0.81				288	
				65	24	10	1		66	11	6	17				270	
	--	7.6	426	64	12	11	2	0	187	25	9	47	0.2	0.01	--		209
10-22-64				3.19	0.99	0.48	0.05		3.06	0.52	0.25	0.76				267	
				68	21	10	1		67	11	5	17				262	
	--	7.8	443	62	12	11	2	0	189	24	8	44	0.3	0.02	--		204
10-29-64				3.09	0.99	0.48	0.05		3.10	0.50	0.23	0.71				283	
				67	21	10	1		68	11	5	16				256	
	--	7.7	444	61	13	11	2	0	189	25	9	46	0.2	0.01	--		206
11- 5-64				3.04	1.07	0.48	0.05		3.10	0.52	0.25	0.74				259	
				66	23	10	1		67	11	5	16				260	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / CHINO HYDRO SUBAREA Y01B1 — SANTA ANA RIVER HYDRO UNIT Y0100																	
1S/ 8W-14N 1 S	--	7.7	442	61	12	11	2	0	192	23	9	45	0.2	0.01	--		202
11-12-64				3.04	0.99	0.48	0.05		3.15	0.48	0.25	0.73				271	
				67	22	11	1		68	10	5	16				258	
	--	7.8	440	58	14	11	2	0	192	24	9	45	0.3	0.03	--	290	202
12-10-64				2.89	1.15	0.48	0.05		3.15	0.50	0.25	0.73					
				63	25	11	1		68	11	5	16				258	
	--	7.8	475	57	15	16	2	0	189	24	14	44	0.3	0.01	--	288	204
12-17-64				2.84	1.23	0.70	0.05		3.10	0.50	0.39	0.71					
				59	26	15	1		66	11	8	15				265	
	--	7.7	437	57	14	12	2	0	189	21	9	43	0.3	0.02	--	250	200
12-23-64				2.84	1.15	0.52	0.05		3.10	0.44	0.25	0.69					
				62	25	11	1		69	10	6	15				251	
	--	7.5	461	67	12	10	2	0	189	26	11	58.0	0.2	0.02	--	274	217
1-14-65				3.34	0.99	0.43	0.05		3.10	0.54	0.31	0.94					
				69	21	9	1		63	11	6	19				279	
	--	7.8	446	48	21	11	2	0	190	23	9	44	0.4	0.03	--	278	207
3- 4-65				2.40	1.73	0.48	0.05		3.11	0.48	0.25	0.71					
				52	37	10	1		68	11	5	16				252	
	--	7.7	445	--	--	--	--	--	--	23	--	--	--	--	--	300	
4-29-65										0.48							
	--	7.7	447	--	--	--	--	--	--	31	--	--	--	--	--	275	
5- 6-65										0.65							

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-14N 1 S																	
5-13-65	--	7.2	449	--	--	--	--	--	--	23 0.48	--	--	--	--	--	278	
5-27-65	--	7.4	450	--	--	--	--	--	--	23 0.48	--	--	--	--	--	292	
6- 3-65	--	7.9	451	--	--	--	--	--	--	22 0.46	--	--	--	--	--	290	
6-17-65	--	8.1	446	--	--	--	--	--	--	24 0.50	--	--	--	--	--	294	
6-24-65	--	7.8	449	--	--	--	--	--	--	24 0.50	--	--	--	--	--	287	
7- 1-65	--	7.7	517	63 3.14 65	15 1.23 25	10 0.43 9	2 0.05 1	0	190 3.11 65	28 0.58 12	11 0.31 6	48 0.77 16	0.3	0.06	--	286 271	219
7- 8-65	--	7.8	450	--	--	--	--	--	--	26 0.54	--	--	--	--	--	296	
7-15-65	--	7.7	450	--	--	--	--	--	--	28 0.58	--	--	--	--	--	305	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / CHINO HYDRO SUBAREA Y01B1 — SANTA ANA RIVER HYDRO UNIT Y0100																	
1S/ 8W-14N 1 S 7-22-65	--	7.8	452	-- --	-- --	-- --	-- --	-- --	-- --	28 0.58	--	--	--	--	--	286	
8- 6-65	--	7.8	449	62 3.09 64	14 1.15 24	12 0.52 11	2 0.05 1	0	198 3.25 67	26 0.54 11	9 0.25 5	50 0.81 17	0.5	0.03	--	298 273	212
8-12-65	--	7.8	460	--	--	--	--	--	--	26 0.54	--	--	--	--	--	304	
8-19-65	--	7.8	453	--	--	--	--	--	--	28 0.58	--	--	--	--	--	294	
8-26-65	--	7.7	451	--	--	--	--	--	--	27 0.56	--	--	--	--	--	294	
9- 2-65	--	8.0	452	64 3.19 66	13 1.07 22	12 0.52 11	2 0.05 1	0	190 3.11 67	24 0.50 11	9 0.25 5	50 0.81 17	0.3	0.01	--	266 268	213
9-16-65	--	7.9	452	--	--	--	--	--	--	28 0.58	--	--	--	--	--	295	
9-23-65	--	7.8	455	--	--	--	--	--	--	28 0.58	--	--	--	--	--	265	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-15J 1 S	--	7.6	384	55	10	12	2	0	182	23	6	34	0.2	0.01	--		178
10- 1-64				2.74	0.82	0.52	0.05		2.98	0.48	0.17	0.55				243	
				66	20	13	1		71	11	4	13				232	
	--	7.8	385	56	11	11	2	0	177	20	7	35	0.2	0.01	--		185
10- 5-64				2.79	0.90	0.48	0.05		2.90	0.42	0.20	0.56				162	
				66	21	11	1		71	10	5	14				229	
	--	7.8	382	54	11	12	2	0	179	19	6	35	0.2	0.02	--		180
10- 7-64				2.69	0.90	0.52	0.05		2.93	0.40	0.17	0.56				222	
				65	22	13	1		72	10	4	14				227	
	--	7.9	388	55	11	12	2	0	179	22	8	33	0.4	0	--		182
10-15-64				2.74	0.90	0.52	0.05		2.93	0.46	0.23	0.53				258	
				65	21	12	1		71	11	6	13				231	
	--	7.6	383	55	11	12	2	0	177	21	7	34	0.6	0.02	--		182
10-22-64				2.74	0.90	0.52	0.05		2.90	0.44	0.20	0.55				222	
				65	21	12	1		71	11	5	13				230	
	--	7.9	397	55	11	12	2	0	184	21	6	32	0.3	0.03	--		182
10-29-64				2.74	0.90	0.52	0.05		3.02	0.44	0.17	0.52				301	
				65	21	12	1		73	11	4	13				230	
	--	7.7	401	54	12	12	2	0	181	23	7	33	0.2	0.01	--		184
11- 5-64				2.69	0.99	0.52	0.05		2.97	0.48	0.20	0.53				241	
				63	23	12	1		71	11	5	13				232	
	--	7.7	418	53	12	12	2	0	181	24	7	31	0.2	0.01	--		182
11-12-64				2.64	0.99	0.52	0.05		2.97	0.50	0.20	0.50				252	
				63	24	12	1		71	12	5	12				230	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-15J 1 S	--	7.8	406	55	11	13	2	0	186	21		31	0.4	0.01	--	249	182
11-19-64				2.74	0.90	0.57	0.05		3.05	0.44	0.17	0.50					
				64	21	13	1		73	11	4	12				231	
	--	7.6	466	64	14	11	2	0	194	28	10	44	0.3	0.02	--	248	217
12-23-64				3.19	1.15	0.48	0.05		3.18	0.58	0.28	0.71					
				66	24	10	1		67	12	6	15				269	
	--	7.7	450	70	11	10	2	0	163	46	21	43	0.4	0.02	--	292	220
1-13-65				3.49	0.90	0.43	0.05		2.67	0.96	0.59	0.69					
				72	18	9	1		54	20	12	14				284	
	--	7.7	520	74	12	10	2	0	155	49	27	50	0.3	0	--	342	234
2-18-65				3.69	0.99	0.43	0.05		2.54	1.02	0.76	0.81					
				72	19	8	1		50	20	15	16				301	
	--	7.6	550	78	13	10	2	0	150	64	32	49	0.4	0.08	--	437	248
2-26-65				3.89	1.07	0.43	0.05		2.46	1.33	0.90	0.79					
				72	20	8	1		45	24	16	14				322	
	--	7.8	537	74	13	10	2	0	159	56	23	55	0.5	0.04	--	351	238
3- 4-65				3.69	1.07	0.43	0.05		2.61	1.17	0.65	0.89					
				70	20	8	1		49	22	12	17				312	
	--	7.6	495	--	--	--	--	--	--	43	--	--	--	--	--	305	
3-25-65										0.90							
	--	7.6	445	--	--	--	--	--	--	31	--	--	--	--	--	245	
4- 5-65										0.65							

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-15J 1 S																	
4-23-65	--	7.6	460	--	--	--	--	--	--	34 0.71	--	--	--	--	--	316	
4-29-65	--	7.8	455	--	--	--	--	--	--	24 0.50	--	--	--	--	--	306	
5- 5-65	--	7.8	430	--	--	--	--	--	--	25 0.52	--	--	--	--	--	262	
5-13-65	--	7.4	425	--	--	--	--	--	--	27 0.56	--	--	--	--	--	291	
5-21-65	--	7.7	426	--	--	--	--	--	--	28 0.58	--	--	--	--	--	289	
5-27-65	--	8.0	424	--	--	--	--	--	--	29 0.60	--	--	--	--	--	264	
6- 3-65	--	7.8	426	--	--	--	--	--	--	26 0.54	--	--	--	--	--	267	
6-10-65	--	7.6	428	--	--	--	--	--	--	29 0.60	--	--	--	--	--	267	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-15J 1 S	--	7.9	416	--	--	--	--	--	--	27	--	--	--	--	--	281	
6-17-65										0.56							
6-24-65	--	7.9	416	--	--	--	--	--	--	28	--	--	--	--	--	257	
										0.58							
7- 1-65	--	7.7	413	56	12	11	3	0	176	30	10	38	0.2	0	--	259	189
				2.79	0.99	0.48	0.08		2.88	0.62	0.28	0.61					
				64	23	11	2		66	14	6	14				247	
7- 8-65	--	7.4	400	--	--	--	--	--	--	28	--	--	--	--	--	276	
										0.58							
7-15-65	--	7.7	415	--	--	--	--	--	--	26	--	--	--	--	--	281	
										0.54							
7-22-65	--	7.8	415	--	--	--	--	--	--	30	--	--	--	--	--	266	
										0.62							
7-29-65	--	7.7	416	--	--	--	--	--	--	29	--	--	--	--	--	267	
										0.60							
8- 6-65	--	7.7	414	56	13	12	2	0	181	29	9	39	0.4	0.03	--	269	193
				2.79	1.07	0.52	0.05		2.97	0.60	0.25	0.63					
				63	24	12	1		67	13	6	14				249	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-15J 1 S																	
8-12-65	--	7.7	412	--	--	--	--	--	--	27 0.56	--	--	--	--	--	270	
8-19-65	--	7.9	413	--	--	--	--	--	--	28 0.58	--	--	--	--	--	286	
8-26-65	--	7.9	409	--	--	--	--	--	--	27 0.56	--	--	--	--	--	274	
9- 2-65	--	7.8	408	56 2.79 63	12 0.99 22	14 0.61 14	2 0.05 1	0	178 2.92 66	26 0.54 12	14 0.39 9	36 0.58 13	0.4	0.03	--	256 248	189
9-10-65	--	8.1	401	--	--	--	--	--	--	25 0.52	--	--	--	--	--	250	
9-16-65	--	8.1	404	--	--	--	--	--	--	26 0.54	--	--	--	--	--	245	
9-23-65	--	7.8	406	--	--	--	--	--	--	26 0.54	--	--	--	--	--	244	
9-30-65	--	7.8	405	--	--	--	--	--	--	21 0.44	--	--	--	--	--	268	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-15P 2 S	--	7.8	397	59	11	11	2	0	192	19	6	32	0.3	0.02	--		192
10- 2-64				2.94	0.90	0.48	0.05		3.15	0.40	0.17	0.52				212	
				67	21	11	1		74	9	4	12				235	
	--	7.6	393	55	14	11	2	0	190	19	8	31	0.3	0.01	--		195
10-22-64				2.74	1.15	0.48	0.05		3.11	0.40	0.23	0.50				225	
				62	26	11	1		73	9	5	12				234	
	--	7.8	375	48	10	16	2	0	184	20	6	21	0.3	0.05	--	221	161
12- 7-64				2.40	0.82	0.70	0.05		3.02	0.42	0.17	0.34					
				60	21	18	1		76	11	4	9				214	
	--	7.9	377	50	9	16	2	0	186	19	6	21.5	0.3	0.03	--	245	162
12-10-64				2.50	0.74	0.70	0.05		3.05	0.40	0.17	0.35					
				63	19	18	1		77	10	4	9				215	
	--	7.8	377	47	10	16	2	0	186	20	5	20.5	0	0	--	232	159
12-17-64				2.35	0.82	0.70	0.05		3.05	0.42	0.14	0.33					
				60	21	18	1		77	11	4	8				212	
	--	7.9	383	50	9	16	2	0	184	21	6	22	0.4	0.01	--	238	162
12-30-64				2.50	0.74	0.70	0.05		3.02	0.44	0.17	0.35					
				63	19	18	1		76	11	4	9				217	
	--	7.9	379	49	9	16	2	0	184	22	6	22.5	0.4	0.01	--	227	160
1-14-65				2.45	0.74	0.70	0.05		3.02	0.46	0.17	0.36					
				62	19	18	1		75	11	4	9				217	
	--	7.7	379	51	9	15	2	0	186	19	6	22	0.2	0.01	--	236	164
1-21-65				2.54	0.74	0.65	0.05		3.05	0.40	0.17	0.35					
				64	19	16	1		77	10	4	9				216	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y0180 CHINO HYDRO SUBAREA Y0181																	
1S/ 8W-15P 2 S	--	7.4	383	52	9	16	2	0	189	20	5	21	0.3	0.03	--	204	167
1-28-65				2.59	0.74	0.70	0.05		3.10	0.42	0.14	0.34					
				63	18	17	1		78	11	4	9				218	
	--	7.9	379	46	11	16	2	0	186	21	7	20	0.3	0.02	--	247	160
2- 4-65				2.30	0.90	0.70	0.05		3.05	0.44	0.20	0.32					
				58	23	18	1		76	11	5	8				215	
	--	7.9	383	52	8	16	2	0	192	20	5	21	0.2	0.03	--	240	163
2-11-65				2.59	0.66	0.70	0.05		3.15	0.42	0.14	0.34					
				65	17	18	1		78	10	3	8				219	
	--	7.8	376	51	9	16	2	0	181	18	7	22	0.3	0	--	242	164
2-18-65				2.54	0.74	0.70	0.05		2.97	0.37	0.20	0.35					
				63	18	17	1		76	10	5	9				214	
	--	7.7	381	53	7	15	2	0	186	18	10	20	0.3	0.02	--	273	161
2-26-65				2.64	0.58	0.65	0.05		3.05	0.37	0.28	0.32					
				67	15	17	1		76	9	7	8				217	
	--	7.9	381	47	11	16	2	0	183	21	6	22	0.4	0.05	--	237	163
3- 4-65				2.35	0.90	0.70	0.05		3.00	0.44	0.17	0.35					
				59	23	18	1		76	11	4	9				215	
	--	7.8	382	53	6	16	2	0	183	21	7	23.5	0.4	0	--	247	157
3-11-65				2.64	0.49	0.70	0.05		3.00	0.44	0.20	0.38					
				68	13	18	1		75	11	5	9				219	
	--	7.8	380	52	9	15	2	0	181	20	6	24	0.2	0.01	--	216	167
3-18-65				2.59	0.74	0.65	0.05		2.97	0.42	0.17	0.39					
				64	18	16	1		75	11	4	10				217	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y0180																	
CHINO HYDRO SUBAREA Y0181																	
1S/ 8W-15P 2 S																	
3-25-65	--	7.7	384	--	--	--	--	--	--	20 0.42	--	--	--	--	--	244	
4- 5-65	--	7.8	385	--	--	--	--	--	--	19 0.40	--	--	--	--	--	208	
5-27-65	--	8.0	492	--	--	--	--	--	--	36 0.75	--	--	--	--	--	308	
7- 1-65	--	7.8	399	55 2.74 64	11 0.90 21	13 0.57 13	2 0.05 1	0	190 3.11 72	26 0.54 13	9 0.25 6	25 0.40 9	0.3	0	--	259 235	182
7-15-65	--	7.7	384	--	--	--	--	--	--	23 0.48	--	--	--	--	--	242	
1S/ 8W-15P 3 S																	
10- 1-64	--	7.7	364	50 2.50 63	9 0.74 19	16 0.70 18	2 0.05 1	0	182 2.98 77	20 0.42 11	6 0.17 4	20 0.32 8	0.2	0	--	226 213	162
10- 7-64	--	7.8	356	50 2.50 63	9 0.74 19	16 0.70 18	2 0.05 1	0	184 3.02 77	20 0.42 11	5 0.14 4	20 0.32 8	0.1	0.02	--	184 213	162
10-22-64	--	7.7	357	47 2.35 60	11 0.90 23	15 0.65 17	1 0.03 1	0	182 2.98 77	19 0.40 10	6 0.17 4	20 0.32 8	0.3	0.02	--	220 209	163

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-15P 3 S	--	7.8	373	49	9	16	2	0	184	20	5	21	0.2	0.02	--		160
11- 5-64				2.45	0.74	0.70	0.05		3.02	0.42	0.14	0.34				233	
				62	19	18	1		77	11	4	9				213	
	--	7.9	387	--	--	--	--	--	--	23	--	--	--	--	--	250	
7-22-65										0.48							
	--	7.8	417	--	--	--	--	--	--	27	--	--	--	--	--	273	
7-29-65										0.56							
	--	7.9	392	53	11	15	2	0	190	24	7	26	0.4	0.03	--	260	177
8- 6-65				2.64	0.90	0.65	0.05		3.11	0.50	0.20	0.42					
				62	21	15	1		74	12	5	10				232	
	--	7.9	390	--	--	--	--	--	--	23	--	--	--	--	--	260	
8-12-65										0.48							
1S/ 8W-15P 5 S	--	7.8	397	59	11	11	2	0	192	19	6	32	0.3	0.02	--	212	192
10- 7-64				2.94	0.90	0.48	0.05		3.15	0.40	0.17	0.52					
				67	21	11	1		74	9	4	12				235	
	--	7.6	323	55	14	11	2	0	190	19	8	31	0.3	0.01	--	225	195
10-22-64				2.74	1.15	0.48	0.05		3.11	0.40	0.23	0.50					
				62	26	11	1		73	9	5	12				234	
	--	7.8	431	63	12	9	2	0	193	27	9	40	0.3	0.04	--	281	207
7- 8-65				3.14	0.99	0.39	0.05		3.16	0.56	0.25	0.65					
				69	22	9	1		68	12	5	14				257	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-15P 5 S	--	7.7	420	--	--	--	--	--	--	24	--	--	--	--	--	269	
7-28-65										0.50							
	--	7.8	413	58	13	11	2	0	195	21	14	34	0.4	0.02	--	286	198
8-12-65				2.89	1.07	0.48	0.05		3.20	0.44	0.39	0.55					
				64	24	11	1		70	10	9	12				249	
	--	7.8	415	--	--	--	--	--	--	21	--	--	--	--	--	266	
8-19-65										0.44							
	--	7.8	438	--	--	--	--	--	--	27	--	--	--	--	--	302	
8-26-65										0.56							
	--	8.2	390	--	--	--	--	--	--	20	--	--	--	--	--	243	
9-10-65										0.42							
1S/ 8W-15Q 2 S	--	7.7	382	51	9	18	2	0	176	25	6	31	0.2	0.01	--		164
10- 1-64				2.54	0.74	0.78	0.05		2.88	0.52	0.17	0.50				147	
				62	18	19	1		71	13	4	12				229	
	--	7.8	357	48	8	20	2	0	169	22	8	25	0.2	0.02	--		153
10- 7-64				2.40	0.66	0.87	0.05		2.77	0.46	0.23	0.40				162	
				60	17	22	1		72	12	6	10				216	
	--	7.8	424	59	10	16	2	0	190	29	9	38	0.4	0	--		188
10-15-64				2.94	0.82	0.70	0.05		3.11	0.60	0.25	0.61				185	
				65	18	16	1		68	13	5	13				257	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y0180 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y0181																	
1S/ 8W-15Q 2 S	--	7.7	380	52	9	18	2	0	175	24	7	32	0.3	0.05	--		167
10-22-64				2.59	0.74	0.78	0.05		2.87	0.50	0.20	0.52				132	
				62	18	19	1		70	12	5	13				230	
	--	7.7	449	61	11	15	2	0	189	30	6	43	0.2	0.01	--		197
11- 5-64				3.04	0.90	0.65	0.05		3.10	0.62	0.17	0.69				277	
				66	19	14	1		68	14	4	15				261	
	--	7.8	473	72	12	10	2	0	212	35	9	41	0.4	0.02	--	309	229
12-30-64				3.59	0.99	0.43	0.05		3.47	0.73	0.25	0.66					
				71	20	8	1		68	14	5	13				286	
	--	7.4	389	46	11	18	2	0	176	25	8	28.8	0.2	0.02	--	233	160
1-14-65				2.30	0.90	0.78	0.05		2.88	0.52	0.23	0.46					
				57	22	19	1		70	13	6	11				226	
	--	7.7	385	50	9	18	2	0	171	22	6	28.8	0.2	0.01	--	254	162
1-21-65				2.50	0.74	0.78	0.05		2.80	0.46	0.17	0.46					
				61	18	19	1		72	12	4	12				220	
	--	7.7	382	50	7	19	2	0	171	20	6	25	0.3	0.02	--	219	154
1-28-65				2.50	0.58	0.83	0.05		2.80	0.42	0.17	0.40					
				63	15	21	1		74	11	4	11				213	
	--	7.8	521	77	13	11	2	0	238	36	11	36	0.3	0.02	--	332	246
2-11-65				3.84	1.07	0.48	0.05		3.90	0.75	0.31	0.58					
				71	20	9	1		70	14	6	10				303	
	--	7.8	384	49	8	19	2	0	171	21	7	26	0.3	0	--	259	156
2-18-65				2.45	0.66	0.83	0.05		2.80	0.44	0.20	0.42					
				61	17	21	1		73	11	5	11				216	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-15Q 2 S	--	7.7	386	50	8	19	2	0	173	21	9	26	0.3	0.01	--	286	158
2-26-65				2.50	0.66	0.83	0.05		2.84	0.44	0.25	0.42					
				62	16	21	1		72	11	6	11				220	
	--	7.8	395	51	9	18	2	0	176	25	9	30	0.4	0	--	260	164
3-11-65				2.54	0.74	0.78	0.05		2.88	0.52	0.25	0.48					
				62	18	19	1		70	13	6	12				231	
	--	7.6	385	50	9	19	2	0	173	23	8	29	0.3	0.02	--	225	162
3-18-65				2.50	0.74	0.83	0.05		2.84	0.48	0.23	0.47					
				61	18	20	1		71	12	6	12				225	
	--	7.8	390	--	--	--	--	--	--	24	--	--	--	--	--	248	
3-25-65										0.50							
	--	7.8	387	--	--	--	--	--	--	22	--	--	--	--	--	217	
4- 5-65										0.46							
	--	7.9	392	--	--	--	--	--	--	23	--	--	--	--	--	259	
4-16-65										0.48							
	--	7.7	509	--	--	--	--	--	--	32	--	--	--	--	--	354	
4-23-65										0.67							
	--	7.8	514	--	--	--	--	--	--	34	--	--	--	--	--	365	
4-29-65										0.71							

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-15Q 2 S																	
5-27-65	--	8.0	399	--	--	--	--	--	--	23 0.48	--	--	--	--	--	234	
6-10-65	--	7.8	391	--	--	--	--	--	--	23 0.48	--	--	--	--	--	232	
6-17-65	--	8.0	494	--	--	--	--	--	--	34 0.71	--	--	--	--	--	321	
6-24-65	--	7.8	499	--	--	--	--	--	--	33 0.69	--	--	--	--	--	312	
7- 1-65	--	7.8	447	63 3.14 67	11 0.90 19	13 0.57 12	2 0.05 1	0	190 3.11 66	29 0.60 13	10 0.28 6	45 0.73 15	0.3	0.06	--	298 267	202
7- 8-65	--	7.8	389	--	--	--	--	--	--	23 0.48	--	--	--	--	--	262	
7-15-65	--	7.7	500	--	--	--	--	--	--	26 0.54	--	--	--	--	--	287	
7-22-65	--	7.5	385	--	--	--	--	--	--	25 0.52	--	--	--	--	--	250	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-15Q 2 S	--	7.8	387	49	11	18	2	0	184	24	8	33	0.4	0.02	--	263	168
8- 6-65				2.45	0.90	0.78	0.05		3.02	0.50	0.23	0.53					
				59	22	19	1		71	12	5	12				236	
	--	7.8	382	--	--	--	--	--	--	23	--	--	--	--	--	241	
8-12-65										0.48							
	--	7.9	382	--	--	--	--	--	--	26	--	--	--	--	--	250	
8-19-65										0.54							
	--	7.9	381	--	--	--	--	--	--	23	--	--	--	--	--	252	
8-26-65										0.48							
	--	8.3	381	--	--	--	--	--	--	22	--	--	--	--	--	233	
9-13-65										0.46							
	--	7.7	469	--	--	--	--	--	--	33	--	--	--	--	--	275	
9-23-65										0.69							
	--	7.8	463	--	--	--	--	--	--	25	--	--	--	--	--	295	
9-30-65										0.52							
1S/ 8W-23A 3 S	--	7.6	506	68	18	12	2	0	190	33	10	75	0.2	0.02	--		244
10- 1-64				3.39	1.48	0.52	0.05		3.11	0.69	0.28	1.21				318	
				62	27	10	1		59	13	5	23				312	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-23A 3 S	--	7.7	496	71	15	12	2	0	187	30	12	73	0.3	0.03	--		239
10- 7-64				3.54	1.23	0.52	0.05		3.06	0.62	0.34	1.18				294	
				66	23	10	1		59	12	7	23				307	
	--	7.7	505	71	15	12	2	0	190	33	12	73	0.4	0	--		239
10-15-64				3.54	1.23	0.52	0.05		3.11	0.69	0.34	1.18				329	
				66	23	10	1		58	13	6	22				312	
	--	7.6	493	71	15	12	2	0	184	33	11	75	0.4	0.02	--		239
10-22-64				3.54	1.23	0.52	0.05		3.02	0.69	0.31	1.21				307	
				66	23	10	1		58	13	6	23				310	
	--	7.8	503	68	16	12	2	0	184	32	11	73	0.3	0.02	--		236
10-29-64				3.39	1.32	0.52	0.05		3.02	0.67	0.31	1.18				334	
				64	25	10	1		58	13	6	23				305	
	--	7.6	524	70	16	13	2	0	189	32	12	78	0.3	0	--		241
11- 5-64				3.49	1.32	0.57	0.05		3.10	0.67	0.34	1.26				308	
				64	24	10	1		58	12	6	23				316	
	--	7.9	491	65	14	12	2	0	181	35	11	68	0.3	0.01	--		220
11-12-64				3.24	1.15	0.52	0.05		2.97	0.73	0.31	1.10				329	
				65	23	10	1		58	14	6	22				296	
	--	7.6	547	74	16	13	2	0	186	39	12	84	0.3	0.01	--	365	251
11-25-64				3.69	1.32	0.57	0.05		3.05	0.81	0.34	1.35					
				66	23	10	1		55	15	6	24				332	
	--	7.8	397	54	15	12	2	0	199	18	9	42.5	0.2	0.02	--	261	196
1-14-65				2.69	1.23	0.52	0.05		3.26	0.37	0.25	0.69					
				60	27	12	1		71	8	5	15				251	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-23A 3 S	--	7.6	526	71	14	12	2	0	189	31	9	81	0.3	0.02	--	346	235
1-28-65				3.54	1.15	0.52	0.05		3.10	0.65	0.25	1.31				313	
				67	22	10	1		58	12	5	25					
2-18-65	--	7.8	535	72	15	12	2	0	184	32	11	79	0.4	0.01	--	350	241
				3.59	1.23	0.52	0.05		3.02	0.67	0.31	1.27				314	
				67	23	10	1		57	13	6	24					
3- 4-65	--	7.8	532	70	16	12	2	0	186	35	11	80	0.5	0.03	--	336	241
				3.49	1.32	0.52	0.05		3.05	0.73	0.31	1.29				318	
				65	25	10	1		57	14	6	24					
4-16-65	--	7.7	538	--	--	--	--	--	--	37	--	--	--	--	--	373	
										0.77							
4-23-65	--	7.6	531	--	--	--	--	--	--	31	--	--	--	--	--	366	
										0.65							
4-29-65	--	7.8	529	--	--	--	--	--	--	32	--	--	--	--	--	366	
										0.67							
5- 6-65	--	7.5	522	--	--	--	--	--	--	34	--	--	--	--	--	433	
										0.71							
5-21-65	--	7.7	524	--	--	--	--	--	--	34	--	--	--	--	--	324	
										0.71							

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-23A 3 S 5-27-65	--	7.9	525	--	--	--	--	--	--	35 0.73	--	--	--	--	--	351	
6- 3-65	--	7.7	515	--	--	--	--	--	--	32 0.67	--	--	--	--	--	340	
6-10-65	--	7.6	528	--	--	--	--	--	--	33 0.69	--	--	--	--	--	333	
6-17-65	--	7.8	561	--	--	--	--	--	--	45 0.94	--	--	--	--	--	401	
7- 1-65	--	7.5	519	71 3.54 67	15 1.23 23	11 0.48 9	2 0.05 1	0	186 3.05 57	35 0.73 14	12 0.34 6	75 1.21 23	0.3	0.06	--	352 313	239
7- 8-65	--	7.7	517	--	--	--	--	--	--	33 0.69	--	--	--	--	--	357	
7-15-65	--	7.7	516	--	--	--	--	--	--	32 0.67	--	--	--	--	--	342	
7-22-65	--	7.8	497	--	--	--	--	--	--	35 0.73	--	--	--	--	--	333	

TABLE 2-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y0180 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y0181																	
1S/ 8W-23A 3 S	--	7.6	511	--	--	--	--	--	--	35	--	--	--	--	--	431	
7-29-65										0.73							
	--	7.8	523	71	15	13	2	0	195	34	11	78	0.5	0.03	--	335	239
8- 6-65				3.54	1.23	0.57	0.05		3.20	0.71	0.31	1.26					
				66	23	11	1		58	13	6	23				320	
	--	7.7	521	--	--	--	--	--	--	35	--	--	--	--	--	333	
8-12-65										0.73							
	--	7.8	516	--	--	--	--	--	--	33	--	--	--	--	--	343	
8-19-65										0.69							
	--	7.7	513	--	--	--	--	--	--	34	--	--	--	--	--	352	
8-26-65										0.71							
	--	8.1	526	70	16	13	2	0	190	33	12	75	0.4	0.01	--	301	241
9- 2-65				3.49	1.32	0.57	0.05		3.11	0.69	0.34	1.21					
				64	24	10	1		58	13	6	23				315	
	--	8.1	501	--	--	--	--	--	--	33	--	--	--	--	--	310	
9-10-65										0.69							
	--	7.7	521	--	--	--	--	--	--	34	--	--	--	--	--	322	
9-23-65										0.71							

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-23A 3 S	--	7.8	517	--	--	--	--	--	--	28	--	--	--	--	--	340	
9-30-65										0.58							
1S/ 8W-24E 1 S	--	7.6	507	72	15	12	2	0	185	31	13	76	0.2	0.01	--		241
10- 1-64				3.59	1.23	0.52	0.05		3.03	0.65	0.37	1.23				333	
				67	23	10	1		57	12	7	23				312	
	--	7.7	500	71	15	12	2	0	187	31	13	75	0.2	0.03	--		239
10- 7-64				3.54	1.23	0.52	0.05		3.06	0.65	0.37	1.21				290	
				66	23	10	1		58	12	7	23				311	
	--	7.8	504	71	16	12	2	0	184	32	16	75	0.4	0.01	--		243
10-15-64				3.54	1.32	0.52	0.05		3.02	0.67	0.45	1.21				341	
				65	24	10	1		56	13	8	23				315	
	--	7.6	497	72	14	12	2	0	182	29	13	77	0.5	0.02	--		237
10-22-64				3.59	1.15	0.52	0.05		2.98	0.60	0.37	1.24				322	
				68	22	10	1		57	12	7	24				309	
	--	7.8	520	73	13	12	2	0	189	30	13	75	0.1	0.03	--	354	236
10-29-64				3.64	1.07	0.52	0.05		3.10	0.62	0.37	1.21					
				69	20	10	1		58	12	7	23				311	
	--	7.9	519	72	14	12	2	0	186	29	13	77	0.3	0.02	--		237
11- 5-64				3.59	1.15	0.52	0.05		3.05	0.60	0.37	1.24				342	
				68	22	10	1		58	11	7	24				311	
	--	7.9	522	70	14	13	2	0	189	31	13	77	0.3	0.02	--		232
11-12-64				3.49	1.15	0.57	0.05		3.10	0.65	0.37	1.24				352	
				66	22	11	1		58	12	7	23				313	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-24E 1 S																	
4-23-65	--	7.6	510	--	--	--	--	--	--	26 0.54	--	--	--	--	--	357	
5-27-65	--	8.0	520	--	--	--	--	--	--	30 0.62	--	--	--	--	--	343	
7- 1-65	--	7.8	515	71 3.54 67	15 1.23 23	11 0.48 9	2 0.05 1	0	183 3.00 57	32 0.67 13	14 0.39 7	75 1.21 23	0.3	0.06	--	355 310	239
7-15-65	--	7.7	514	--	--	--	--	--	--	30 0.62	--	--	--	--	--	370	
8- 6-65	--	7.7	517	69 3.44 64	16 1.32 25	13 0.57 11	2 0.05 1	0	190 3.11 57	31 0.65 12	14 0.39 7	81 1.31 24	0.5	0.02	--	346 320	238
8-12-65	--	7.6	524	--	--	--	--	--	--	30 0.62	--	--	--	--	--	347	
8-26-65	--	7.7	533	--	--	--	--	--	--	34 0.71	--	--	--	--	--	375	
9-30-65	--	8.0	547	--	--	--	--	--	--	31 0.65	--	--	--	--	--	387	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-25B 1 S	--	7.9	443	62	12	12	2	0	195	15	12	47	0.3	0.04	--	275	204
6-10-65				3.09	0.99	0.52	0.05		3.20	0.31	0.34	0.76					
				66	21	11	1		69	7	7	16				258	
	--	7.8	437	--	--	--	--	--	--	14	--	--	--	--	--	258	
6-24-65										0.29							
	--	7.7	436	60	14	11	2	0	193	18	11	48	0.3	0.02	--	281	207
7- 1-65				2.99	1.15	0.48	0.05		3.16	0.37	0.31	0.77					
				64	25	10	1		69	8	7	17				259	
	--	7.7	437	58	14	12	2	0	198	16	11	49	0.4	0.04	--	275	202
8- 6-65				2.89	1.15	0.52	0.05		3.25	0.33	0.31	0.79					
				63	25	11	1		69	7	7	17				260	
1S/ 8W-25Q 1 S	--	7.8	344	44	9	21	2	0	200	9	5	15	0.2	0.02	--		147
10- 7-64				2.20	0.74	0.91	0.05		3.28	0.19	0.14	0.24				200	
				56	19	23	1		85	5	4	6				204	
	--	7.7	343	43	9	21	2	0	190	8	6	17	0.3	0.03	--		145
10-22-64				2.15	0.74	0.91	0.05		3.11	0.17	0.17	0.27				204	
				56	19	24	1		84	5	5	7				200	
	--	7.7	346	37	7	30	2	0	186	9	6	18	0.2	0.03	--		122
10-29-64				1.85	0.58	1.30	0.05		3.05	0.19	0.17	0.29				219	
				49	15	34	1		82	5	5	8				201	
	--	7.8	357	43	9	22	2	0	192	8	6	17	0.2	0.01	--		145
11- 5-64				2.15	0.74	0.96	0.05		3.15	0.17	0.17	0.27				220	
				55	19	25	1		84	5	5	7				202	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-25Q 1 S	--	7.7	272	38	12	23	2	0	192	18	8	16	0.2	0.01	--		145
11-12-64				1.90	0.99	1.00	0.05		3.15	0.37	0.23	0.26				243	
				48	25	25	1		79	9	6	6				212	
	--	7.8	432	45	10	32	2	0	181	39	16	12	0.4	0.02	--	269	154
11-19-64				2.25	0.82	1.39	0.05		2.97	0.81	0.45	0.19					
				50	18	31	1		67	18	10	4				245	
	--	7.6	342	38	8	25	2	0	186	9	6	16.5	0.3	0.03	--	218	128
12-10-64				1.90	0.66	1.09	0.05		3.05	0.19	0.17	0.27					
				51	18	29	1		83	5	5	7				196	
	--	7.9	355	39	9	22	2	0	192	9	9	16	0.3	0.02	--	219	135
12-17-64				1.95	0.74	0.96	0.05		3.15	0.19	0.25	0.26					
				53	20	26	1		82	5	6	7				201	
	--	7.9	352	39	8	24	2	0	186	7	6	15	0.3	0.02	--	177	131
12-23-64				1.95	0.66	1.04	0.05		3.05	0.15	0.17	0.24					
				53	18	28	1		84	4	5	7				193	
	--	7.9	356	41	8	22	2	0	192	10	6	17	0.3	0	--	222	136
12-30-64				2.05	0.66	0.96	0.05		3.15	0.21	0.17	0.27					
				55	18	26	1		83	6	4	7				201	
	--	7.8	346	42	8	22	2	0	189	11	6	17.5	0.3	0.02	--	214	138
1-14-65				2.10	0.66	0.96	0.05		3.10	0.23	0.17	0.28					
				56	18	25	1		82	6	4	7				202	
	--	7.6	337	41	9	22	2	0	192	9	6	17.0	0.2	0.02	--	221	140
1-21-65				2.05	0.74	0.96	0.05		3.15	0.19	0.17	0.27					
				54	19	25	1		83	5	4	7				201	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-25Q 1 S	--	7.7	357	42	8	22	2	0	189	9	7	15	0.3	0.01	--	198	138
1-28-65				2.10	0.66	0.96	0.05		3.10	0.19	0.20	0.24					
				56	18	25	1		83	5	5	6				198	
	--	7.9	363	43	7	22	2	0	192	9	6	16	0.3	0.03	--	240	137
2- 4-65				2.15	0.58	0.96	0.05		3.15	0.19	0.17	0.26					
				57	16	26	1		84	5	5	7				200	
	--	7.8	361	43	8	22	2	0	196	9	6	16	0.2	0.02	--	226	141
2-11-65				2.15	0.66	0.96	0.05		3.21	0.20	0.17	0.26					
				56	17	25	1		84	5	4	7				203	
	--	7.6	358	43	8	22	2	0	192	18	7	14	0.3	0.02	--	328	141
2-26-65				2.15	0.66	0.96	0.05		3.15	0.37	0.20	0.23					
				56	17	25	1		80	9	5	6				209	
	--	7.8	359	40	10	21	2	0	190	11	6	16	0.4	0.07	--	217	141
3- 4-65				2.00	0.82	0.91	0.05		3.11	0.23	0.17	0.26					
				53	22	24	1		82	6	5	7				200	
	--	7.7	357	43	8	22	2	0	190	10	6	17.5	0.4	0.01	--	228	141
3-11-65				2.15	0.66	0.96	0.05		3.11	0.21	0.17	0.28					
				56	17	25	1		82	6	5	7				202	
	--	7.8	355	43	8	22	2	0	190	9	7	17	0.3	0.02	--	202	141
3-18-65				2.15	0.66	0.96	0.05		3.11	0.19	0.20	0.27					
				56	17	25	1		82	5	5	7				202	
	--	7.7	358	--	--	--	--	--	--	9	--	--	--	--	--	214	
3-25-65										0.19							

TABLE C-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivolents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-25Q 1 S																	
4- 2-65	--	7.7	359	--	--	--	--	--	--	7 0.15	--	--	--	--	--	184	
4-16-65	--	7.8	359	--	--	--	--	--	--	10 0.21	--	--	--	--	--	222	
4-23-65	--	7.7	358	--	--	--	--	--	--	7 0.15	--	--	--	--	--	236	
4-29-65	--	7.8	359	--	--	--	--	--	--	8 0.17	--	--	--	--	--	185	
5- 6-65	--	7.7	356	--	--	--	--	--	--	10 0.21	--	--	--	--	--	205	
5-13-65	--	7.4	358	--	--	--	--	--	--	10 0.21	--	--	--	--	--	216	
5-21-65	--	7.7	360	--	--	--	--	--	--	8 0.17	--	--	--	--	--	198	
5-27-65	--	8.0	358	--	--	--	--	--	--	17 0.35	--	--	--	--	--	203	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y0180 CHINO HYDRO SUBAREA Y0181 — SANTA ANA RIVER HYDRO UNIT Y0100																	
1S/ 8W-25Q 1 S																	
6- 3-65	--	7.9	356	--	--	--	--	--	--	6 0.12	--	--	--	--	--	216	
6-10-65	--	7.4	354	--	--	--	--	--	--	8 0.17	--	--	--	--	--	199	
6-17-65	--	8.1	351	--	--	--	--	--	--	11 0.23	--	--	--	--	--	227	
6-24-65	--	7.8	354	--	--	--	--	--	--	8 0.17	--	--	--	--	--	213	
7- 1-65	--	7.8	353	42 2.10 55	9 0.74 19	22 0.96 25	2 0.05 1	0	193 3.16 84	10 0.21 6	8 0.23 6	11.3 0.18 5	0.3	0.02	--	208 199	142
7- 8-65	--	7.6	340	--	--	--	--	--	--	9 0.19	--	--	--	--	--	214	
7-15-65	--	7.6	347	--	--	--	--	--	--	10 0.21	--	--	--	--	--	225	
7-22-65	--	7.8	356	--	--	--	--	--	--	10 0.21	--	--	--	--	--	224	

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-25Q 1 S																	
7-29-65	--	7.8	355	--	--	--	--	--	--	11 0.23	--	--	--	--	--	218	
8- 6-65	--	7.6	356	41 2.05 54	10 0.82 21	21 0.91 24	2 0.05 1	0	195 3.20 83	10 0.21 5	6 0.17 4	18 0.29 7	0.4	0.03	--	234 204	144
8-12-65	--	7.8	357	--	--	--	--	--	--	10 0.21	--	--	--	--	--	217	
8-19-65	--	7.8	353	--	--	--	--	--	--	10 0.21	--	--	--	--	--	225	
8-26-65	--	7.9	353	--	--	--	--	--	--	10 0.21	--	--	--	--	--	224	
9- 2-65	--	8.0	354	43 2.15 56	9 0.74 19	21 0.91 24	2 0.05 1	0	193 3.16 83	9 0.19 5	7 0.20 5	17 0.27 7	0.3	0.02	--	196 203	145
9-10-65	--	8.2	342	--	--	--	--	--	--	9 0.19	--	--	--	--	--	200	
9-13-65	--	8.1	354	--	--	--	--	--	--	9 0.19	--	--	--	--	--	204	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-25Q 1 S	--	7.8	353	--	--	--	--	--	--	11	--	--	--	--	--	201	
9-23-65										0.23							
9-30-65	--	7.8	355	--	--	--	--	--	--	5	--	--	--	--	--	211	
										0.10							
1S/ 8W-26B 1 S	--	7.7	471	71	13	11	2	0	187	28	12	62	0.2	0.02	--		231
10- 7-64				3.54	1.07	0.48	0.05		3.06	0.58	0.34	1.00				262	
				69	21	9	1		61	12	7	20				291	
10-15-64	--	7.7	482	71	13	10	2	0	184	31	12	64	0.4	0.01	--		231
				3.54	1.07	0.43	0.05		3.02	0.65	0.34	1.03				326	
				70	21	8	1		60	13	7	20				294	
10-22-64	--	7.6	468	71	12	10	2	0	184	26	12	66	0.2	0.02	--		227
				3.54	0.99	0.43	0.05		3.02	0.54	0.34	1.06				290	
				71	20	9	1		61	11	7	21				290	
10-29-64	--	7.8	492	71	13	11	2	0	189	27	12	62	0.3	0.02	--		231
				3.54	1.07	0.48	0.05		3.10	0.56	0.34	1.00				319	
				69	21	9	1		62	11	7	20				291	
11- 2-64	--	7.6	490	69	13	11	2	0	186	26	12	64	0.3	0.02	--		226
				3.44	1.07	0.48	0.05		3.05	0.54	0.34	1.03				271	
				68	21	10	1		61	11	7	21				289	
11-12-64	--	7.6	490	69	12	11	2	0	189	27	13	64	0.3	0.01	--		222
				3.44	0.99	0.48	0.05		3.10	0.56	0.37	1.03				323	
				69	20	10	1		61	11	7	20				291	

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total Hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-26B 1 S	--	7.8	478	67	13	11	2	0	189	28	12	61	0.3	0.03	--	298	221
12- 7-64				3.34	1.07	0.48	0.05		3.10	0.58	0.34	0.98					
				68	22	10	1		62	12	7	20				287	
	--	7.7	474	66	14	11	2	0	186	27	13	64	0.3	0.02	--	319	222
12-10-64				3.29	1.15	0.48	0.05		3.05	0.56	0.37	1.03					
				66	23	10	1		61	11	7	21				289	
	--	7.8	487	66	14	11	2	0	186	28	15	61	0.3	0.01	--	323	222
12-17-64				3.29	1.15	0.48	0.05		3.05	0.58	0.42	0.98					
				66	23	10	1		61	12	8	19				289	
	--	7.7	489	67	14	11	2	0	184	26	12	62	0.3	0.02	--	270	225
12-23-64				3.34	1.15	0.48	0.05		3.02	0.54	0.34	1.00					
				67	23	10	1		62	11	7	20				285	
	--	7.8	474	73	10	12	2	0	189	29	12	64	0.4	0.03	--	312	223
12-30-64				3.64	0.82	0.52	0.05		3.10	0.60	0.34	1.03					
				72	16	10	1		61	12	7	20				295	
	--	8.0	485	71	11	11	2	2	181	30	12	64	0.4	0.02	--	306	222
1- 7-65				3.54	0.90	0.48	0.05	0.07	2.97	0.62	0.34	1.03					
				71	18	10	1	1	59	12	7	20				292	
	--	7.7	488	68	13	10	2	0	186	28	13	63.8	0.3	0.01	--	294	223
1-14-65				3.39	1.07	0.43	0.05		3.05	0.58	0.37	1.03					
				69	22	9	1		61	12	7	20				290	
	--	7.6	490	55	21	10	2	0	189	27	12	64	0.3	0.01	--	323	224
1-21-65				2.74	1.73	0.43	0.05		3.10	0.56	0.34	1.03					
				55	35	9	1		62	11	7	20				284	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-26B 1 S	--	7.6	491	70	12	10	2	0	186	27	11	62	0.3	0.02	--	296	224
1-28-65				3.49	0.99	0.43	0.05		3.05	0.56	0.31	1.00					
				70	20	9	1		62	11	6	20				286	
	--	7.8	491	71	11	11	2	0	186	28	13	62	0.4	0.03	--	314	222
2- 4-65				3.54	0.90	0.48	0.05		3.05	0.58	0.37	1.00					
				71	18	10	1		61	12	7	20				290	
	--	7.8	495	71	12	10	2	0	194	25	11	62	0.3	0.02	--	306	227
2-11-65				3.54	0.99	0.43	0.05		3.18	0.52	0.31	1.00					
				71	20	9	1		63	10	6	20				289	
	--	7.5	489	71	11	11	2	0	181	26	12	63	0.3	0	--	342	222
2-18-65				3.54	0.90	0.48	0.05		2.97	0.54	0.34	1.02					
				71	18	10	1		61	11	7	21				285	
	--	7.8	492	70	12	10	2	0	186	28	12	63	0.4	0.04	--	305	224
3- 4-65				3.49	0.99	0.43	0.05		3.05	0.58	0.34	1.02					
				70	20	9	1		61	12	7	20				289	
	--	7.8	488	71	11	11	2	0	186	29	13	68	0.4	0.01	--	327	222
3-11-65				3.54	0.90	0.48	0.05		3.05	0.60	0.37	1.10					
				71	18	10	1		60	12	7	21				297	
	--	7.4	511	--	--	--	--	--	--	31	--	--	--	--	--	356	
5-13-65										0.65							
	--	7.9	505	--	--	--	--	--	--	30	--	--	--	--	--	316	
5-21-65										0.62							

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-26B 1 S																	
5-27-65	--	8.0	503	--	--	--	--	--	--	28 0.58	--	--	--	--	--	316	
6- 3-65	--	7.9	504	--	--	--	--	--	--	27 0.56	--	--	--	--	--	323	
6-17-65	--	8.0	492	--	--	--	--	--	--	29 0.60	--	--	--	--	--	312	
6-24-65	--	7.8	493	--	--	--	--	--	--	29 0.60	--	--	--	--	--	305	
7- 1-65	--	7.6	493	73 3.64 71	12 0.99 19	10 0.43 8	2 0.05 1	0	188 3.08 61	29 0.60 12	14 0.39 8	61 0.98 19	0.5	0.02	--	308 294	232
7- 8-65	--	7.6	490	--	--	--	--	--	--	29 0.60	--	--	--	--	--	348	
7-15-65	--	7.6	488	--	--	--	--	--	--	28 0.58	--	--	--	--	--	321	
7-22-65	--	7.8	489	--	--	--	--	--	--	31 0.65	--	--	--	--	--	308	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-26B 1 S	--	7.7	464	69	14	11	2	--	186	30	13	66	0.4	0.05	--	329	230
8- 6-65				3.44	1.15	0.48	0.05		3.05	0.62	0.37	1.06					
				67	22	9	1		60	12	7	21				297	
	--	7.8	474	--	--	--	--	--	--	31	--	--	--	--	--	317	
8-12-65										0.65							
	--	7.9	480	--	--	--	--	--	--	29	--	--	--	--	--	328	
8-19-65										0.60							
	--	7.9	486	--	--	--	--	--	--	31	--	--	--	--	--	323	
8-26-65										0.65							
	--	8.0	487	70	13	11	2	0	188	26	12	64	0.4	0.03	--	307	228
9- 2-65				3.49	1.07	0.48	0.05		3.08	0.54	0.34	1.03					
				69	21	9	1		62	11	7	21				291	
	--	7.8	486	--	--	--	--	--	--	29	--	--	--	--	--	314	
9-16-65										0.60							
1S/ 8W-27K 1 S	--	7.6	506	75	14	10	2	0	197	25	14	69	0.3	0.02	--		245
10- 7-64				3.74	1.15	0.43	0.05		3.23	0.52	0.39	1.11				258	
				70	21	8	1		62	10	7	21				306	
	--	7.5	484	79	13	9	1	0	197	26	14	66	0.4	0.02	--		251
10-22-64				3.94	1.07	0.39	0.03		3.23	0.54	0.39	1.06				291	
				73	20	7	1		62	10	7	20				305	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap. 180°C Evap. 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-27K 1 S	--	7.9	493	71	15	9	2	0	199	24	12	62	0.2	0.03	--		239
10-29-64				3.54	1.23	0.39	0.05		3.26	0.50	0.34	1.00				325	
				68	24	7	1		64	10	7	20				293	
	--	7.6	450	66	10	9	2	0	189	19	10	45	0.5	0.01	--	270	206
1-28-65				3.29	0.82	0.39	0.05		3.10	0.40	0.28	0.73					
				72	18	9	1		69	9	6	16				254	
	--	7.5	491	71	12	9	2	0	196	23	14	58	0.4	0.11	--	392	227
2-26-65				3.54	0.99	0.39	0.05		3.21	0.48	0.39	0.94					
				71	20	8	1		64	10	8	19				286	
	--	7.7	470	--	--	--	--	--	--	20	--	--	--	--	--	310	
4-29-65										0.42							
	--	7.8	486	--	--	--	--	--	--	25	--	--	--	--	--	328	
5-27-65										0.52							
	--	7.5	482	--	--	--	--	--	--	22	--	--	--	--	--	293	
6-10-65										0.46							
	--	7.9	483	--	--	--	--	--	--	26	--	--	--	--	--	309	
6-17-65										0.54							
	--	7.7	474	--	--	--	--	--	--	23	--	--	--	--	--	307	
7- 8-65										0.48							

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-27K 1 S	--	7.7	474	--	--	--	--	--	--	24	--	--	--	--	--	312	
7-15-65										0.50							
7-29-65	--	7.7	481	--	--	--	--	--	--	27	--	--	--	--	--	319	
										0.56							
8- 6-65	--	7.4	470	68	15	11	2	0	198	23	12	58	0.5	0.02	--	316	231
				3.39	1.23	0.48	0.05		3.25	0.48	0.34	0.94					
				66	24	9	1		65	10	7	19				287	
8-19-65	--	7.8	465	--	--	--	--	--	--	22	--	--	--	--	--	308	
										0.46							
8-26-65	--	7.8	472	--	--	--	--	--	--	23	--	--	--	--	--	317	
										0.48							
9-16-65	--	8.0	472	--	--	--	--	--	--	23	--	--	--	--	--	294	
										0.48							
1S/ 8W-28E 2 S	--	7.6	473	65	13	11	2	0	173	38	11	60	0.4	0.01	--	310	216
7-22-65				3.24	1.07	0.48	0.05		2.84	0.79	0.31	0.97					
				67	22	10	1		58	16	6	20				285	
7-29-65	--	7.8	394	--	--	--	--	--	--	26	--	--	--	--	--	258	
										0.54							

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-28E 2 S																	
8- 6-65	--	7.6	393	53	12	14	2	0	178	26	14	31	0.2	0.02	--	243	182
				2.64	0.99	0.61	0.05		2.92	0.54	0.39	0.50					
				62	23	14	1		67	12	9	11				240	
8-12-65	--	7.8	389	--	--	--	--	--	--	25	--	--	--	--	--	264	
										0.52							
8-19-65	--	7.8	393	--	--	--	--	--	--	25	--	--	--	--	--	276	
										0.52							
8-26-65	--	7.8	385	--	--	--	--	--	--	25	--	--	--	--	--	280	
										0.52							
9- 2-65	--	8.0	382	53	10	14	2	0	183	21	7	27	0.4	0.02	--	230	173
				2.64	0.82	0.61	0.05		3.00	0.44	0.20	0.44					
				64	20	15	1		74	11	5	11				224	
9-10-65	--	8.2	378	--	--	--	--	--	--	24	--	--	--	--	--	237	
										0.50							
9-16-65	--	8.0	386	--	--	--	--	--	--	25	--	--	--	--	--	240	
										0.52							
9-23-65	--	7.8	400	--	--	--	--	--	--	28	--	--	--	--	--	224	
										0.58							

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-28G 1 S	--	7.7	429	57	14	10	2	0	192	21	9	35	0.3	0.02	--	257	200
11-13-64				2.84	1.15	0.43	0.05		3.15	0.44	0.25	0.56					
				64	26	10	1		72	10	6	13				243	
	--	7.6	439	61	12	10	2	0	192	24	10	40	0.3	0.03	--	277	202
12- 7-64				3.04	0.99	0.43	0.05		3.15	0.50	0.28	0.65					
				67	22	10	1		69	11	6	14				254	
	--	7.8	480	64	14	10	2	0	194	27	12	51.0	0.4	0.03	--	313	217
12-10-64				3.19	1.15	0.43	0.05		3.18	0.56	0.34	0.82					
				66	24	9	1		65	11	7	17				276	
	--	7.7	482	64	16	10	2	0	194	27	14	52	0.4	0.01	--	304	226
12-17-64				3.19	1.32	0.43	0.05		3.18	0.56	0.39	0.84					
				64	26	9	1		64	11	8	17				281	
	--	7.8	414	64	11	10	2	0	192	26	10	43	0.4	0.01	--	282	205
12-30-64				3.19	0.90	0.43	0.05		3.15	0.54	0.28	0.69					
				70	20	9	1		68	12	6	15				261	
	--	7.8	482	69	12	10	2	0	194	29	12	54	0.5	0.02	--	297	222
1-14-65				3.44	0.99	0.43	0.05		3.18	0.60	0.34	0.87					
				70	20	9	1		64	12	7	17				284	
	--	7.6	484	69	13	9	2	0	199	26	13	54	0.4	0.02	--	312	226
1-21-65				3.44	1.07	0.39	0.05		3.26	0.54	0.37	0.87					
				69	22	8	1		65	11	7	17				284	
	--	7.5	485	70	13	10	2	0	194	25	13	52	0.5	0.03	--	265	228
1-28-65				3.49	1.07	0.43	0.05		3.18	1.52	0.37	0.84					
				69	21	9	1		65	11	8	17				281	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-28G 1 S	--	7.7	484	70	11	10	2	0	199	26	11	51	0.4	0.03	--	325	220
2- 4-65				3.49	0.90	0.43	0.05		3.26	0.54	0.31	0.82					
				72	18	9	1		66	11	6	17				279	
	--	7.7	472	69	11	10	2	0	202	27	10	48	0.3	0.02	--	293	217
2-11-65				3.44	0.90	0.43	0.05		3.31	0.56	0.28	0.77					
				71	19	9	1		67	11	6	16				277	
	--	7.5	480	69	12	10	2	0	204	24	13	49	0.3	0.05	--	355	222
2-26-65				3.44	0.99	0.43	0.05		3.34	0.50	0.37	0.79					
				70	20	9	1		67	10	7	16				280	
	--	7.7	482	68	13	9	2	0	203	27	11	52	0.5	0.03	--	303	223
3- 4-65				3.39	1.07	0.39	0.05		3.33	0.56	0.31	0.84					
				69	22	8	1		66	11	6	17				282	
	--	7.7	478	68	12	10	2	0	195	26	12	54	0.4	0	--	314	219
3-11-65				3.39	0.99	0.43	0.05		3.20	0.54	0.34	0.87					
				70	20	9	1		65	11	7	18				280	
	--	7.7	476	69	13	10	2	0	193	26	12	52	0.3	0.02	--	295	226
3-18-65				3.44	1.07	0.43	0.05		3.16	0.54	0.34	0.84					
				69	21	9	1		65	11	7	17				279	
	--	7.6	481	--	--	--	--	--	--	27	--	--	--	--	--	299	
3-25-65										0.56							
	--	7.6	479	--	--	--	--	--	--	25	--	--	--	--	--	280	
4- 5-65										0.52							

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-28G 1 S																	
4-16-65	--	7.7	482	--	--	--	--	--	--	27 0.56	--	--	--	--	--	327	
4-23-65	--	7.6	482	--	--	--	--	--	--	24 0.50	--	--	--	--	--	320	
4-29-65	--	7.7	485	--	--	--	--	--	--	25 0.52	--	--	--	--	--	327	
5- 6-65	--	7.6	474	--	--	--	--	--	--	29 0.60	--	--	--	--	--	295	
5-13-65	--	7.1	474	--	--	--	--	--	--	26 0.54	--	--	--	--	--	292	
5-21-65	--	7.6	475	--	--	--	--	--	--	26 0.54	--	--	--	--	--	275	
5-27-65	--	8.1	476	--	--	--	--	--	--	25 0.52	--	--	--	--	--	392	
6- 3-65	--	7.7	478	--	--	--	--	--	--	22 0.46	--	--	--	--	--	299	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-28G 1 S																	
6-10-65	--	7.7	471	--	--	--	--	--	--	28 0.58	--	--	--	--	--	292	
6-17-65	--	8.0	433	--	--	--	--	--	--	25 0.52	--	--	--	--	--	290	
7- 1-65	--	7.5	474	68 3.39 68	14 1.15 23	9 0.39 8	2 0.05 1	0	198 3.25 66	27 0.56 11	12 0.34 7	48 0.77 16	0.4	0.02	--	285 278	227
7- 8-65	--	7.7	461	--	--	--	--	--	--	27 0.56	--	--	--	--	--	303	
7-15-65	--	7.6	463	--	--	--	--	--	--	27 0.56	--	--	--	--	--	318	
7-29-65	--	7.7	464	--	--	--	--	--	--	27 0.56	--	--	--	--	--	308	
9- 2-65	--	8.1	467	68 3.39 68	14 1.15 23	10 0.43 9	2 0.05 1	0	198 3.25 66	27 0.56 11	12 0.34 7	50 0.81 16	0.4	0.02	--	275 281	227
9-16-65	--	7.9	456	--	--	--	--	--	--	25 0.52	--	--	--	--	--	277	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
1S/ 8W-28G 1 S	--	7.7	456	--	--	--	--	--	--	27	--	--	--	--	--	280	
9-23-65										0.56							
1S/ 8W-35C 2 S	--	8.0	402	59	12	10	1	0	190	19	9	33	0.4	0.01	--	235	197
6-30-65				2.94	0.99	0.43	0.03		3.11	0.40	0.25	0.53					
				67	23	10	1		72	9	6	12				237	
2S/ 5W- 7N 1 S	--	7.2	1888	176	70	137	3	0	342	267	153	307	0.6	0.02	--	1360	728
2-17-65				8.78	5.76	5.96	0.08		5.61	5.56	4.31	4.95					
				43	28	29			27	27	21	24				1282	
	--	7.4	1840	170	68	134	3	0	348	242	152	290	0.7	0.08	--	1417	704
8-17-65				8.48	5.59	5.83	0.08		5.70	5.04	4.29	4.68					
				42	28	29			29	26	22	24				1231	
2S/ 6W- 5A 1 S	--	8.0	319	42	5	18	2	0	168	12	8	6	0.2	0	--	184	126
2-17-65				2.10	0.41	0.78	0.05		2.75	0.25	0.23	0.10					
				63	12	23	1		83	8	7	3				176	
	--	8.2	313	44	5	18	2	5	164	9	9	6.3	0.4	0	--	184	131
8-16-65				2.20	0.41	0.78	0.05	0.17	2.69	0.19	0.25	0.10					
				64	12	23	1	5	79	6	7	3				179	
2S/ 6W-12M 1 S	--	7.7	946	76	39	68	1	0	336	82	84	29	0.5	0.79	--	584	350
2-17-65				3.79	3.21	2.96	0.03		5.51	1.71	2.37	0.47					
				38	32	30			55	17	24	5				545	
	--	7.6	958	77	42	68	1	0	351	83	84	27	0.6	0.11	--	657	365
8-16-65				3.84	3.45	2.96	0.03		5.75	1.73	2.37	0.44					
				37	34	29			56	17	23	4				555	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / CHINO HYDRO SUBAREA Y01B1 / SANTA ANA RIVER HYDRO UNIT Y0100																	
2S/ 6W-14K 1 S	--	7.2	1264	98	46	110	2	0	393	131	119	47	1.0	0.02	--	817	434
2-17-65				4.89	3.78	4.78	0.05		6.44	2.73	3.36	0.76					
				36	28	35			48	21	25	6				747	
	--	7.4	1236	94	51	105	2	0	388	131	120	52	0.9	0.06	--	866	444
8-16-65				4.69	4.19	4.57	0.05		6.36	2.73	3.38	0.84					
				35	31	34			48	21	25	6				747	
2S/ 6W-21Q 1 S	--	7.5	1116	123	11	101	4	0	305	110	143	11	0.2	0.25	--	701	352
2-17-65				6.14	0.90	4.39	0.10		5.00	2.29	4.03	0.18					
				53	8	38	1		43	20	35	2				653	
	--	7.6	1124	118	17	95	4	0	320	115	138	11.4	0.3	0.24	--	736	365
8-16-65				5.89	1.40	4.13	0.10		5.24	2.39	3.89	0.18					
				51	12	36	1		45	20	33	2				656	
2S/ 6W-30Q 1 S	--	7.5	749	105	15	33	3	0	273	71	54	27	0.3	0.02	--	513	324
8-16-65				5.24	1.23	1.43	0.08		4.47	1.48	1.52	0.44					
				66	15	18	1		57	19	19	6				443	
2S/ 6W-31D 2 S	--	7.8	949	119	24	54	3	0	361	95	60	31	0.3	0.02	--	663	396
8-16-65				5.94	1.97	2.35	0.08		5.92	1.98	1.69	0.50					
				57	19	23	1		59	20	17	5				564	
2S/ 7W- 2G 1 S	--	7.9	434	50	12	23	1	0	220	7	19	14	0.3	0	--	260	175
3-11-65				2.50	0.99	1.00	0.03		3.61	0.15	0.54	0.23					
				55	22	22	1		80	3	12	5				234	
2S/ 7W- 2Q 1 S	--	7.8	553	60	19	24	2	0	227	12	37	35	0.2	0	--	330	228
3-11-65				2.99	1.56	1.04	0.05		3.72	0.25	1.04	0.56					
				53	28	18	1		67	4	19	10				301	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
2S/ 7W- 4B 1 S	--	6.8	357	40	12	17	2	0	186	16	4	6.8	0.3	0.01	--	275	150
2-18-65				2.00	0.99	0.74	0.05		3.05	0.33	0.11	0.11					
				53	26	20	1		85	9	3	3				190	
	--	7.6	354	42	11	18	2	0	188	17	10	9.3	0.3	0.02	--	208	150
8-17-65				2.10	0.90	0.78	0.05		3.08	0.35	0.28	0.15					
				55	23	20	1		80	9	7	4				202	
2S/ 7W- 4E 2 S	--	7.7	418	39	13	18	2	0	186	18	13	8	0.3	0.04	--	241	151
3- 8-65				1.95	1.07	0.78	0.05		3.05	0.37	0.37	0.13					
				51	28	20	1		78	9	9	3				203	
2S/ 7W- 6J 1 S	--	7.6	447	57	12	16	2	0	209	9	18	15	0.3	0.01	--	363	192
2-18-65				2.84	0.99	0.70	0.05		3.43	0.19	0.51	0.24					
				62	22	15	1		78	4	12	5				232	
	--	7.7	512	65	16	18	2	0	209	26	17	55	0.4	0	--	318	228
8-17-65				3.24	1.32	0.78	0.05		3.43	0.54	0.48	0.89					
				60	24	14	1		64	10	9	17				302	
2S/ 7W-10C 1 S	--	7.4	967	105	26	59	2	0	312	72	81	60	0.3	1.35	--	638	369
3- 8-65				5.24	2.14	2.57	0.05		5.11	1.50	2.28	0.97					
				52	21	26	1		52	15	23	10				560	
2S/ 7W-10H 1 S	--	7.9	1002	133	34	31	2	0	317	63	81	128	0.3	0.04	--	650	472
3- 9-65				6.64	2.80	1.35	0.05		5.20	1.31	2.28	2.06					
				61	26	12			48	12	21	19				628	
2S/ 7W-10L 4 S	--	7.8	1060	135	38	36	2	0	342	75	104	85	0.4	0.42	--	690	494
3- 8-65				6.74	3.13	1.57	0.05		5.61	1.56	2.93	1.37					
				59	27	14			49	14	26	12				644	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0																	
CHINO HYDRO SUBAREA Y01B1																	
2S/ 7W-10M 1 S	--	7.7	723	82	28	23	2	0	237	31	55	75	0.4	0.04	--	448	320
2-18-65				4.09	2.30	1.00	0.05		3.88	0.65	1.55	1.21					
				55	31	13	1		53	9	21	17				413	
	--	8.1	747	90	29	23	2	0	251	33	58	75	0.4	0	--	482	344
8-16-65				4.49	2.38	1.00	0.05		4.11	0.69	1.64	1.21					
				57	30	13	1		54	9	21	16				434	
2S/ 7W-11D 1 S	--	7.5	847	108	26	29	2	0	268	63	58	83	0.3	0.07	--	582	377
2-18-65				5.39	2.14	1.26	0.05		4.39	1.31	1.64	1.34					
				61	24	14	1		51	15	19	15				501	
	--	7.7	812	104	27	28	2	0	258	63	59	80	0.4	0.07	--	512	371
8-16-65				5.19	2.22	1.22	0.05		4.23	1.31	1.66	1.29					
				60	26	14	1		50	15	20	15				490	
2S/ 7W-15K 1 S	--	7.0	628	85	26	28	2	--	--	29	49	10.4	--	--	--	552	319
10-23-64				4.24	2.14	1.22	0.05			0.60	1.38	0.17					
	--	8.1	805	70	24	31	2	--	--	19	45	26	--	--	--	502	273
4-28-65				3.49	1.97	1.35	0.05			0.40	1.27	0.42					
2S/ 7W-15P 1 S	--	6.9	1097	139	37	59	2	--	--	39	103	--	--	--	--	768	499
10-23-64				6.94	3.04	2.57	0.05			0.81	2.90						
	--	8.1	939	62	29	47	2	--	--	29	60	--	--	--	--	572	274
4-28-65				3.09	2.38	2.04	0.05			0.60	1.69						

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
2S/ 7W-15Q 1 S	--	7.0	1375	187	56	70	3	--	--	49	118	--	--	--	--	812	698
10-23-64				9.33	4.61	3.04	0.08			1.02	3.33						
	--	7.7	1297	125	90	70	3	--	--	50	142	--	--	0.14	--	1040	683
4-29-65				6.24	7.40	3.04	0.08			1.04	4.00						
2S/ 7W-15Q 2 S	--	7.3	666	86	25	28	2	--	--	31	39	--	--	--	--	532	318
10-23-64				4.29	2.06	1.22	0.05			0.65	1.10						
	--	8.2	525	61	11	23	2	--	--	19	18	--	--	--	--	330	197
4-28-65				3.04	0.90	1.00	0.05			0.40	0.51						
2S/ 7W-17D 1 S	--	7.7	594	73	20	19	2	0	247	32	21	58	0.4	0.04	--	372	264
2-18-65				3.64	1.64	0.83	0.05		4.05	0.67	0.59	0.94					
				59	27	13	1		65	11	9	15				347	
	--	7.6	650	85	23	21	2	0	260	41	26	71	0.4	0.03	--	399	307
8-17-65				4.24	1.89	0.91	0.05		4.26	0.85	0.73	1.15					
				60	27	13	1		61	12	10	16				397	
2S/ 7W-17L 1 S	--	7.8	673	85	21	24	2	0	273	32	28	70	0.4	0	--	427	299
2-18-65				4.24	1.73	1.04	0.05		4.47	0.67	0.79	1.13					
				60	25	15	1		63	9	11	16				397	
	--	7.9	568	73	18	21	2	0	253	25	22	52	0.4	0.02	--	362	256
8-17-65				3.64	1.48	0.91	0.05		4.15	0.52	0.62	0.84					
				60	24	15	1		68	8	10	14				338	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y01C0																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / CHINO HYDRO SUBAREA Y01B1																	
2S/ 7W-20L 1 S	--	7.9	468	56	15	19	2	0	229	16	20	17	0.3	0.02	--	285	201
3- 8-65				2.79	1.23	0.83	0.05		3.75	0.33	0.56	0.27					
				57	25	17	1		76	7	11	5				258	
2S/ 7W-21L 1 S	--	8.0	589	74	20	25	2	0	265	34	22	42	0.4	0.02	--	376	267
8-16-65				3.69	1.64	1.09	0.05		4.34	0.71	0.62	0.68					
				57	25	17	1		68	11	10	11				350	
2S/ 7W-22K 1 S	--	7.6	1098	128	45	49	2	0	535	43	58	56	0.4	0.01	--	699	505
2-18-65				6.39	3.70	2.13	0.05		8.77	0.90	1.64	0.90					
				52	30	17			72	7	13	7				644	
	--	8.0	800	104	29	32	3	0	389	27	48	43	0.3	0.02	--	514	379
8-16-65				5.19	2.38	1.39	0.08		6.38	0.56	1.35	0.69					
				57	26	15	1		71	6	15	8				478	
2S/ 7W-23E 1 S	--	7.6	725	90	26	27	2	0	312	36	34	53	0.4	0.02	--	443	332
2-18-65				4.49	2.14	1.17	0.05		5.11	0.75	0.96	0.85					
				57	27	15	1		67	10	13	11				422	
	--	8.1	759	99	27	28	2	0	337	40	36	57	0.4	0	--	498	358
8-16-65				4.94	2.22	1.22	0.05		5.52	0.83	1.02	0.92					
				59	26	14	1		67	10	12	11				455	
2S/ 7W-27A 1 S	--	7.6	1005	113	35	54	2	0	500	45	47	45	0.4	0.06	--	623	426
2-18-65				5.64	2.88	2.35	0.05		8.20	0.94	1.32	0.73					
				52	26	22			73	8	12	7				587	
2S/ 7W-30G 1 S	--	7.8	492	62	15	20	2	0	229	34	2	10	0.3	0	--	288	216
3- 8-65				3.09	1.23	0.87	0.05		3.75	0.71	0.06	0.16					
				59	23	17	1		80	15	1	3				258	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
2S/ 7W-30H 1 S	--	8.1	640	80	17	37	3	0	307	66	21	8	0.1	0.05	--	398	270
10-29-64				3.99	1.40	1.61	0.08		5.03	1.37	0.59	0.13					
				56	20	23	1		71	19	8	2				383	
	--	7.7	653	84	15	34	3	0	298	69	17	11	0.3	0.03	--	415	271
3- 8-65				4.19	1.23	1.48	0.08		4.88	1.44	0.48	0.18					
				60	18	21	1		70	21	7	3				380	
2S/ 7W-31B 1 S	--	7.9	365	38	7	39	2	0	189	34	11	7.5	0.3	0.04	--	244	124
2-17-65				1.90	0.58	1.70	0.05		3.10	0.71	0.31	0.12					
				45	14	40	1		73	17	7	3				232	
	--	8.2	834	98	20	59	2	2	322	108	41	29	0.4	0.04	--	563	327
8-16-65				4.89	1.64	2.57	0.05	0.07	5.28	2.25	1.16	0.47					
				53	18	28	1	1	57	24	13	5				518	
2S/ 7W-32F 1 S	--	8.0	514	54	7	46	2	0	202	67	16	11	0.3	0	--	307	164
2-17-65				2.69	0.58	2.00	0.05		3.31	1.39	0.45	0.18					
				51	11	38	1		62	26	8	3				303	
	--	8.3	520	55	9	48	2	7	205	47	29	17	0.4	0.01	--	289	174
8-16-65				2.74	0.74	2.09	0.05	0.23	3.36	0.98	0.82	0.27					
				49	13	37	1	4	59	17	14	5				315	
2S/ 7W-32K 3 S	--	8.1	317	17	4	48	1	0	142	19	11	12	0.8	0.33	--	189	59
8-16-65				0.85	0.33	2.09	0.03		2.33	0.40	0.31	0.19					
				26	10	63	1		72	12	10	6				183	
2S/ 7W-34K 2 S	--	7.7	1709	229	64	85	3	0	453	468	100	23	0.5	0	--	1304	835
2-17-65				11.43	5.26	3.70	0.08		7.42	9.74	2.82	0.37					
				56	26	18			36	48	14	2				1195	

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ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / CHINO HYDRO SUBAREA Y01B1 / SANTA ANA RIVER HYDRO UNIT Y0100																	
2S/ 7W-34K 2 S	--	7.6	1653	219	57	79	3	0	405	427	102	27	0.6	0.02	--	1338	782
8-16-65				10.93	4.69	3.43	0.08		6.64	8.89	2.88	0.44					
				57	25	18			35	47	15	2				1114	
2S/ 7W-36D 2 S	--	7.5	823	96	14	59	2	0	339	49	53	31	0.2	0	--	522	297
2-17-65				4.79	1.15	2.57	0.05		5.56	1.02	1.49	0.50					
				56	13	30	1		65	12	17	6				471	
2S/ 8W-14B 1 S	--	7.7	426	56	11	17	2	0	198	25	11	20	0.3	0	--	278	185
2-18-65				2.79	0.90	0.74	0.05		3.25	0.52	0.31	0.32					
				62	20	17	1		74	12	7	7				240	
	--	7.5	365	47	10	16	2	0	186	19	11	12	0.4	0.05	--	215	159
8-17-65				2.35	0.82	0.70	0.05		3.05	0.40	0.31	0.19					
				60	21	18	1		77	10	8	5				209	
2S/ 8W-14H 1 S	--	7.9	368	47	10	16	2	0	178	22	8	12	0.4	0	--	226	159
2-18-65				2.35	0.82	0.70	0.05		2.92	0.46	0.23	0.19					
				60	21	18	1		77	12	6	5				205	
	--	7.7	347	41	13	15	2	0	175	19	9	9.5	0.4	0	--	196	156
8-17-65				2.05	1.07	0.65	0.05		2.87	0.40	0.25	0.15					
				54	28	17	1		78	11	7	4				195	
2S/ 8W-22B 1 S	--	7.9	380	48	8	20	2	0	181	31	9	7.5	0.4	0	--	227	153
2-18-65				2.40	0.66	0.87	0.05		2.97	0.65	0.25	0.12					
				60	17	22	1		74	16	6	3				215	
	--	7.8	395	52	10	19	2	0	190	35	11	8.5	0.3	0.03	--	236	171
8-17-65				2.59	0.82	0.83	0.05		3.11	0.73	0.31	0.14					
				60	19	19	1		72	17	7	3				231	

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ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
2S/ 8W-23C 4 S	--	7.7	572	74	15	22	2	0	222	49	27	30	0.3	0.09	--	400	246
3- 8-65				3.69	1.23	0.96	0.05		3.64	1.02	0.76	0.48					
				62	21	16	1		62	17	13	8				328	
2S/ 8W-25L 1 S	--	7.7	678	87	20	30	3	0	222	129	21	2	0.2	0.02	--	457	299
2-18-65				4.34	1.64	1.30	0.08		3.64	2.69	0.59	0.39					
				59	22	18	1		50	37	8	5				423	
	--	7.8	644	86	15	26	2	0	214	109	19	25	0.3	0.03	--	420	276
3- 8-65				4.29	1.23	1.13	0.05		3.51	2.27	0.54	0.40					
				64	18	17	1		52	34	8	6				388	
	--	7.5	592	78	15	28	2	0	214	97	18	24	0.4	0.05	--	413	256
8-17-65				3.89	1.23	1.22	0.05		3.51	2.02	0.51	0.39					
				61	19	19	1		55	31	8	6				368	
2S/ 8W-25M 1 S	--	7.7	487	63	10	22	2	0	210	37	28	7	0.3	0.01	--	307	198
2-18-65				3.14	0.82	0.96	0.05		3.44	0.77	0.79	0.11					
				63	16	19	1		67	15	15	2				273	
	--	7.8	484	63	11	21	2	0	202	37	24	6	0.3	0.80	--	288	202
3- 8-65				3.14	0.90	0.91	0.05		3.31	0.77	0.68	0.10					
				63	18	18	1		68	16	14	2				264	
	--	7.5	512	67	14	23	2	0	222	40	31	7.4	0.3	0.02	--	300	225
8-17-65				3.34	1.15	1.00	0.05		3.64	0.83	0.87	0.12					
				60	21	18	1		67	15	16	2				294	
2S/ 8W-26C 2 S	--	7.7	823	115	22	30	3	0	274	142	34	22	0.4	0.02	--	554	378
3- 8-65				5.74	1.81	1.30	0.08		4.49	2.96	0.96	0.35					
				64	20	15	1		51	34	11	4				503	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / CHINO HYDRO SUBAREA Y01B1 — SANTA ANA RIVER HYDRO UNIT Y0100																	
2S/ 8W-26K 1 S	--	7.6	987	118	33	55	3	0	366	179	41	6.3	0.6	0.05	--	631	430
2-18-65				5.89	2.71	2.39	0.08		6.00	3.73	1.16	0.10					
				53	24	22	1		55	34	11	1				616	
3S/ 7W- 3N 1 S	--	7.7	644	81	18	31	2	0	282	46	36	15	0.2	0	--	382	276
2-17-65				4.04	1.48	1.35	0.05		4.62	0.96	1.02	0.24					
				58	21	20	1		68	14	15	4				368	
	--	8.2	675	85	22	34	2	2	290	47	46	16	0.4	0	--	436	303
8-16-65				4.24	1.81	1.48	0.05	0.07	4.75	0.98	1.30	0.26					
				56	24	20	1	1	65	13	18	4				397	
3S/ 7W- 3R 1 S	--	7.7	616	79	17	32	2	0	300	38	31	15.5	0.3	0	--	413	267
8-16-65				3.94	1.40	1.39	0.05		4.92	0.79	0.87	0.25					
				58	21	21	1		72	12	13	4				362	
3S/ 7W- 4A 1 S	--	7.9	808	98	23	43	2	0	321	84	49	22	0.3	0	--	506	339
2-17-65				4.89	1.89	1.87	0.05		5.26	1.75	1.38	0.35					
				56	22	21	1		60	20	16	4				479	
3S/ 7W- 4D 1 S	--	7.8	609	67	10	50	2	0	268	43	27	19	0.3	0.02	--	359	208
2-17-65				3.34	0.82	2.17	0.05		4.39	0.90	0.76	0.31					
				52	13	34	1		69	14	12	5				350	
	--	7.8	442	39	7	51	2	0	188	35	21	16	0.5	0.14	--	254	127
8-16-65				1.95	0.58	2.22	0.05		3.08	0.73	0.59	0.26					
				41	12	46	1		66	16	13	6				264	
3S/ 7W- 4H 1 S	--	7.7	991	113	30	62	3	0	403	80	71	31	0.3	0	--	622	406
2-17-65				5.64	2.47	2.70	0.08		6.61	1.67	2.00	0.50					
				52	23	25	1		61	15	19	5				588	

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SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
CHINO HYDRO SUBAREA Y01B1																	
3S/ 7W- 4H 1 S	--	7.9	1074	125	34	65	3	0	420	86	94	25	0.5	0.02	--	738	452
8-16-65				6.24	2.80	2.83	0.08		6.88	1.79	2.65	0.40					
				52	23	24	1		59	15	23	3				639	
3S/ 7W-10C 1 S	--	7.8	551	66	13	31	2	0	254	35	27	13	0.2	0	--	327	218
2-17-65				3.29	1.07	1.35	0.05		4.16	0.73	0.76	0.21					
				57	19	23	1		71	12	13	4				312	
	--	8.2	560	68	15	33	2	5	256	30	28	14	0.5	0.01	--	331	231
8-16-65				3.39	1.23	1.43	0.05	0.17	4.20	0.62	0.79	0.23					
				56	20	23	1	3	70	10	13	4				321	
1N/ 6W-11B 1 S	--	7.3	365	50	8	19	2	0	207	11	13	9.3	0.2	0.05	--	219	158
1-28-65				2.50	0.66	0.83	0.05		3.39	0.23	0.37	0.15					
				62	16	21	1		82	6	9	4				214	
1N/ 6W-25K 1 S	--	8.0	1087	86	29	112	5	0	158	291	107	2.1	0.6	0.15	--	727	334
1-28-65				4.29	2.38	4.87	0.13		2.59	6.06	3.02	0.03					
				37	20	42	1		22	52	26					710	
	--	7.6	902	72	25	80	5	0	142	230	77	3.3	0.6	0.11	--	567	283
6-29-65				3.59	2.06	3.48	0.13		2.33	4.79	2.17	0.05					
				39	22	38	1		25	51	23	1				563	
CLAREMONT HEIGHTS HYDRO SUBAREA Y01B3																	
1N/ 8W-24L 1 S	--	7.9	400	57	13	10	2	0	220	35	3	3.1	0.5	0.04	--	252	196
1-28-65				2.84	1.07	0.43	0.05		3.61	0.73	0.08	0.05					
				65	24	10	1		81	16	2	1				232	

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SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 CLAREMONT HEIGHTS HYDRO SUBAREA Y01B3																	
1N/ 8W-24L 1 S 7- 1-65	--	7.6	472	67 3.34 63	17 1.40 26	12 0.52 10	2 0.05 1	0	234 3.84 74	41 0.85 16	6 0.17 3	19 0.31 6	0.8	0.03	--	314 280	237
1N/ 8W-35J 1 S 1-28-65	--	7.8	357	53 2.64 69	8 0.66 17	11 0.48 13	2 0.05 1	0	184 3.02 78	24 0.50 13	6 0.17 4	11 0.18 5	0.3	0.03	--	214 206	165
CUCAMONGA HYDRO SUBAREA Y01B4																	
1N/ 7W-27Q 1 S 7- 1-65	--	7.7	383	38 1.90 47	13 1.07 26	24 1.04 26	1 0.03 1	0	178 2.92 72	34 0.71 17	7 0.20 5	14 0.23 6	0.5	0.01	--	258 219	149
1N/ 7W-33A 1 S 1-28-65	--	7.7	440	49 2.45 55	13 1.07 24	20 0.87 20	2 0.05 1	0	142 2.33 53	35 0.73 16	11 0.31 7	66 1.06 24	0.3	0.01	--	291 266	176
7- 1-65	--	7.5	429	46 2.30 52	14 1.15 26	22 0.96 22	2 0.05 1	0	142 2.33 53	38 0.79 18	10 0.28 6	60 0.97 22	0.5	0	--	288 262	173
1N/ 7W-34H 1 S 7- 1-65	--	7.9	384	45 2.25 54	9 0.74 18	25 1.09 26	2 0.05 1	0	178 2.92 72	31 0.65 16	7 0.20 5	16 0.26 6	0.4	0.04	--	240 223	150

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
TEMESCAL HYDRO SUBAREA Y01B5																	
3S/ 6W-28L 1 S	--	7.8	1418	128	32	129	5	0	397	146	121	93	0.3	0.26	--	886	451
3- 5-65				6.39	2.63	5.61	0.13		6.51	3.04	3.41	1.50					
				43	18	38	1		45	21	24	10				850	
	--	7.5	1379	126	38	125	5	0	403	148	125	106	0.6	0.26	--	910	471
9-21-65				6.29	3.13	5.44	0.13		6.61	3.08	3.53	1.71					
				42	21	36	1		44	21	24	11				872	
3S/ 6W-28M99 S	--	7.7	1424	129	32	130	5	0	394	147	122	100	0.8	0.32	--	882	454
3- 5-65				6.44	2.63	5.65	0.13		6.46	3.06	3.44	1.61					
				43	18	38	1		44	21	24	11				860	
	--	7.5	1523	133	35	144	5	0	416	152	145	103	0.6	0.40	--	980	476
9-21-65				6.64	2.88	6.26	0.13		6.82	3.16	4.09	1.66					
				42	18	39	1		43	20	26	11				923	
3S/ 6W-30F 4 S	--	7.1	1522	125	38	172	4	--	--	170	258	--	--	0.45	--		469
10-22-64				6.24	3.13	7.48	0.10			3.54	7.28					1080	
	--	7.8	1879	102	46	170	4	--	--	162	293	--	--	0.43	--	1150	444
4-29-65				5.09	3.78	7.39	0.10			3.37	8.26						
3S/ 6W-31D 2 S	--	7.7	1164	113	31	91	3	0	295	130	127	61	0.7	0.15	--	770	410
8-10-65				5.64	2.55	3.96	0.08		4.84	2.71	3.58	0.98					
				46	21	32	1		40	22	30	8				702	
3S/ 7W-15Q 1 S	--	7.6	2269	141	56	206	4	--	--	226	359	--	--	0.80	--	1450	583
4-29-65				7.04	4.61	8.96	0.10			4.71	10.12						

TABLE 2-Y

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0																	
TEMESCAL HYDRO SUBAREA Y01B5																	
3S/ 7W-15Q 3 S	--	7.2	2243	201	59	196	5	0	508	231	359	20	0.5	0.85	--	1545	745
3- 5-65				10.03	4.85	8.52	0.13		8.33	4.81	10.12	0.32					
				43	21	36	1		35	20	43	1				1322	
	--	7.5	2088	--	--	--	--	0	461	--	352	--	--	--	--		681
4-29-65									7.56		9.93						
3S/ 7W-21N 1 S	--	7.5	1081	122	46	48	1	0	290	254	48	29	0.5	0.18	--	804	494
3- 5-65				6.09	3.78	2.09	0.03		4.75	5.29	1.35	0.47					
				51	32	17			40	45	11	4				691	
	--	7.4	1081	118	48	52	2	0	293	246	54	30	0.4	0.17	--	760	492
9-21-65				5.89	3.95	2.26	0.05		4.80	5.12	1.52	0.48					
				48	33	19			40	43	13	4				695	
3S/ 7W-22A 1 S	--	7.4	2183	--	--	--	--	0	454	--	364	--	--	--	--		649
4-29-65									7.44		10.26						
3S/ 7W-22A 2 S	--	7.4	1916	--	--	--	--	0	459	--	278	--	--	--	--		607
4-29-65									7.52		7.84						
3S/ 7W-22A 4 S	--	6.7	2112	216	52	228	15	--	--	266	357	--	--	1.22	--		754
10-22-64				10.78	4.28	9.91	0.38			5.54	10.07					1560	
	--	7.5	1792	--	--	--	--	0	471	--	254	--	--	--	--		554
4-29-65									7.72		7.16						

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivolents per million / percent reactonce volue: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
TEMESCAL HYDRO SUBAREA Y01B5																	
3S/ 7W-22A 4 S	--	7.8	1891	110	37	202	13	--	--	228	263	--	--	0.28	--	1170	427
4-29-65				5.49	3.04	8.78	0.33			4.75	7.42						
3S/ 7W-22G 2 S	--	7.6	1635	151	36	146	4	0	428	176	200	33	0.6	0.55	--	964	525
3- 5-65				7.53	2.96	6.35	0.10		7.01	3.66	5.64	0.53					
				44	17	37	1		42	22	33	3				958	
3S/ 7W-22H 1 S	--	6.9	1357	193	50	215	8	--	--	233	339	--	--	0.55	--		688
10-22-64				9.63	4.11	9.35	0.20			4.85	9.56					1584	
	--	7.6	2025	117	46	192	8	--	--	237	234	--	--	0.93	--	1280	481
4-29-65				5.84	3.78	8.35	0.20			4.93	6.60						
3S/ 7W-22J 4 S	--	7.3	1392	149	30	127	3	--	--	144	201	--	--	0.30	--		496
10-22-64				7.44	2.47	5.52	0.08			3.00	5.67					1044	
	--	7.5	1556	153	37	122	3	0	423	154	187	42	0.6	0.27	--	901	534
3- 5-65				7.63	3.04	5.30	0.08		6.93	3.21	5.27	0.68					
				48	19	33			43	20	33	4				907	
	--	7.7	1527	--	--	--	--	0	417	--	200	--	--	--	--		577
4-29-65									6.83		5.64						
	--	8.1	1586	140	46	120	4	--	--	172	199	--	--	0.40	--	1010	539
4-29-65				6.99	3.78	5.22	0.10			3.58	5.61						

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 TEMESCAL HYDRO SUBAREA Y01B5																	
3S/ 7W-22L 1 S	--	7.7	960	98	25	62	3	0	217	117	91	56	0.5	0.16	--	627	348
3- 5-65				4.89	2.06	2.70	0.08		3.56	2.44	2.57	0.90					
				50	21	28	1		38	26	27	10				559	
	--	7.6	967	97	27	63	3	0	223	116	96	63	0.6	0.20	--	605	353
9-21-65				4.84	2.22	2.74	0.08		3.65	2.42	2.71	1.02					
				49	22	28	1		37	25	28	10				575	
3S/ 7W-23D 1 S	--	6.7	1452	195	52	228	12	--	--	250	377	--	--	1.10	--		701
10-22-64				9.73	4.28	9.91	0.31			5.21	10.63					1464	
	--	7.9	2269	102	48	220	15	--	--	228	376	--	--	1.26	--	1390	452
4-29-65				5.09	3.95	9.57	0.38			4.75	10.60						
3S/ 7W-23D 2 S	--	7.0	1416	188	44	224	16	--	--	238	367	--	--	1.20	--		651
10-22-64				9.38	3.62	9.74	0.41			4.96	10.35					1524	
	--	7.6	1989	111	43	192	18	--	--	244	283	--	--	0.62	--	1220	454
4-29-65				5.54	3.54	8.35	0.46			5.08	7.98						
3S/ 7W-23J 4 S	--	7.0	1888	178	44	206	7	--	--	184	340	--	--	0.85	--		626
10-22-64				8.88	3.62	8.96	0.18			3.83	9.59					1276	
	--	7.8	1999	108	43	184	6	--	--	187	306	--	--	0.68	--	1190	447
4-29-65				5.39	3.54	8.00	0.15			3.89	8.63						

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
TEMESCAL HYDRO SUBAREA Y01B5																	
3S/ 7W-23K 1 S	--	6.7	1604	166	32	178	5	--	--	173	248	--	--	0.65	--		546
10-22-64				8.28	2.63	7.74	0.13			3.60	6.99					1532	
	--	8.2	1671	148	38	165	4	--	--	169	226	11	--	0.41	--	1030	526
4-29-65				7.39	3.13	7.17	0.10			3.52	6.37	0.18					
3S/ 7W-25A 3 S	--	6.8	1699	150	43	196	6	--	--	197	282	--	--	0.80	--		552
10-22-64				7.49	3.54	8.52	0.15			4.10	7.95					1256	
	--	8.0	1781	84	42	172	4	--	--	192	240	--	--	0.64	--	1060	382
4-29-65				4.19	3.45	7.48	0.10			4.00	6.77						
3S/ 7W-28B 1 S	--	7.7	1000	109	37	49	2	0	261	197	61	29	0.4	0.10	--	628	424
3- 5-65				5.44	3.04	2.13	0.05		4.28	4.10	1.72	0.47					
				51	29	20			40	39	16	4				613	
	--	7.4	1005	109	41	46	2	0	263	207	65	36	0.4	0.14	--	700	441
9-21-65				5.44	3.37	2.00	0.05		4.31	4.31	1.83	0.58					
				50	31	18			39	39	17	5				636	
ARLINGTON HYDRO SUBAREA Y01B6																	
3S/ 5W-14N 1 S	70	8.2	1400	160	29	70	7	0	375	160	114	72	0.2	0.60	--	987	518
11- 5-64				7.98	2.38	3.04	0.18		6.15	3.33	3.21	1.16					
				59	18	22	1		44	24	23	8				797	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
ARLINGTON HYDRO SUBAREA Y01B6																	
3S/ 5W-14N 1 S	68	7.6	1429	114	44	121	5	0	395	173	96	106	0.5	0.40	--	954	466
3-26-65				5.69	3.62	5.26	0.13		6.47	3.60	2.71	1.71					
				39	25	36	1		45	25	19	12				854	
3S/ 5W-15A 1 S	--	7.5	1965	160	62	131	7	0	379	171	277	81	0.3	0.33	--	1348	655
6-25-65				7.98	5.10	5.70	0.18		6.21	3.56	7.81	1.31					
				42	27	30	1		33	19	41	7				1076	
3S/ 5W-23C 1 S	74	8.1	810	76	14	56	6	0	165	48	124	20	0.5	0.20	--	509	247
11- 5-64				3.79	1.15	2.43	0.15		2.70	1.00	3.50	0.32					
				50	15	32	2		36	13	47	4				426	
	72	7.7	823	62	22	61	5	0	172	54	111	30	0.7	0.10	--	484	245
3-26-65				3.09	1.81	2.65	0.13		2.82	1.12	3.13	0.48					
				40	24	35	2		37	15	41	6				430	
3S/ 5W-24R 1 S	70	7.8	1760	176	50	104	8	0	259	132	385	12	0.3	0.40	--	1126	645
10-30-64				8.78	4.11	4.52	0.20		4.25	2.75	10.86	0.19					
				50	23	26	1		24	15	60	1				995	
	68	8.1	1378	106	40	103	7	0	209	108	246	23	0.7	0.12	--	855	429
3-26-65				5.29	3.29	4.48	0.18		3.43	2.25	6.94	0.37					
				40	25	34	1		26	17	53	3				737	
3S/ 5W-25A 1 S	70	8.1	720	74	16	44	4	0	192	54	53	68	0.2	0.10	--	505	251
11- 5-64				3.69	1.32	1.91	0.10		3.15	1.12	1.49	1.10					
				53	19	27	1		46	16	22	16				408	
	70	7.3	748	57	26	51	4	0	192	63	56	59	0.4	0.15	--	457	249
3-26-65				2.84	2.14	2.22	0.10		3.15	1.31	1.58	0.95					
				39	29	30	1		45	19	23	14				411	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0																	
ARLINGTON HYDRO SUBAREA Y01B6																	
3S/ 6W-22L 2 S	70	7.7	1550	158	27	177	7	0	384	278	185	56	0.5	0.35	--	1104	505
6-25-65				7.88	2.22	7.70	0.18		6.29	5.79	5.22	0.90					
				44	12	43	1		35	32	29	5				1078	
3S/ 6W-24P 1 S	--	7.6	1400	144	24	115	5	0	232	237	139	97.0	0.1	0.31	--	948	458
6-25-65				7.19	1.97	5.00	0.13		3.80	4.93	3.92	1.56					
				50	14	35	1		27	35	28	11				875	
RIVERSIDE HYDRO SUBAREA Y01B7																	
1S/ 4W-28L 2 S	--	7.5	669	--	--	--	--	--	--	59	44	20	--	--	--		
3-25-65										1.23	1.24	0.32					
	68	7.5	770	67	14	74	3	0	266	71	51	28	1.0	0.12	--	479	225
5-19-65				3.34	1.15	3.22	0.08		4.36	1.48	1.44	0.45					
				43	15	41	1		56	19	19	6				440	
	70	7.4	746	--	--	--	--	--	--	62	52	30	--	--	--		
8- 9-65										1.29	1.47	0.48					
1S/ 4W-28N 5 S	--	7.5	712	--	--	--	--	--	--	--	51	23	--	--	--		
10- 7-64											1.44	0.37					
	--	7.4	775	--	--	--	--	--	--	85	53	26	--	--	--		
3-25-65										1.77	1.49	0.42					

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
RIVERSIDE HYDRO SUBAREA Y01B7																	
1S/ 4W-28N 5 S	67	7.6	770	83	15	53	4	0	251	82	55	23	0.7	0.22	--	491	269
5-19-65				4.14	1.23	2.30	0.10		4.11	1.71	1.55	0.37					
				53	16	30	1		53	22	20	5				439	
1S/ 4W-28R 1 S	--	7.7	645	--	--	--	--	--	--	33	53	30	--	--	--		
3-19-65										0.69	1.49	0.48					
	70	7.7	658	46	11	76	2	0	235	36	53	30	0.7	0.10	--	410	160
5-17-65				2.30	0.90	3.30	0.05		3.85	0.75	1.49	0.48					
				35	14	50	1		59	11	23	7				370	
	--	7.7	648	--	--	--	--	--	--	36	54	32	--	--	--		
8- 9-65										0.75	1.52	0.52					
1S/ 4W-29F 1 S	--	7.2	1063	168	33	20	5	0	276	300	24	26	0.5	0.16	--	850	555
3- 9-65				8.38	2.71	0.87	0.13		4.52	6.25	0.68	0.42					
				69	22	7	1		38	53	6	4				712	
1S/ 4W-29H 1 S	--	7.8	755	66	13	74	5	0	254	64	66	17	0.7	0.20	28	465	218
10- 1-64				3.29	1.07	3.22	0.13		4.16	1.33	1.86	0.27					
				43	14	42	2		55	17	24	4				459	
	--	7.5	695	67	11	60	4	0	240	69	43	20	0.7	0.10	--	416	212
3- 5-65				3.34	0.90	2.61	0.10		3.93	1.44	1.21	0.32					
				48	13	38	1		57	21	18	5				393	
	--	7.5	753	63	13	76	5	0	246	69	64	24	0.7	0.21	--	445	211
9-21-65				3.14	1.07	3.30	0.13		4.03	1.44	1.80	0.39					
				41	14	43	2		53	19	23	5				436	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
RIVERSIDE HYDRO SUBAREA Y01B7																	
1S/ 4W-29H 3 S	65	7.5	796	--	--	--	--	--	--	71	77	14	--	--	--		
3-19-65										1.48	2.17	0.23					
	--	7.8	780	88	16	49	4	0	258	74	70	11	0.8	0.15	--	518	286
5-19-65				4.39	1.32	2.13	0.10		4.23	1.54	1.97	0.18					
				55	17	27	1		53	19	25	2				440	
	--	7.4	801	--	--	--	--	--	--	64	78	15	--	--	--		
8- 9-65										1.33	2.20	0.24					
1S/ 4W-29Q 1 S	--	7.6	646	67	13	51	4	0	240	58	39	27	0.6	0.22	--	380	221
9-21-65				3.34	1.07	2.22	0.10		3.93	1.21	1.10	0.44					
				50	16	33	1		59	18	16	7				378	
1S/ 4W-29Q 3 S	--	7.8	676	59	11	66	4	0	232	62	37	35	0.6	0.08	--	418	192
3- 5-65				2.94	0.90	2.87	0.10		3.80	1.29	1.04	0.56					
				43	13	42	1		57	19	16	8				389	
	--	7.3	679	--	--	--	--	--	--	61	40	31	--	--	--		
4- 1-65										1.27	1.13	0.50					
1S/ 4W-30D 6 S	--	7.8	454	61	10	17	2	0	198	36	12	26	0.3	0.02	--	318	193
3- 9-65				3.04	0.82	0.74	0.05		3.25	0.75	0.34	0.42					
				65	18	16	1		68	16	7	9				262	
1S/ 4W-30L 4 S	--	7.3	1227	154	21	74	4	0	444	101	90	63	0.5	0.45	--	800	471
3- 9-65				7.68	1.73	3.22	0.10		7.28	2.10	2.54	1.02					
				60	14	25	1		56	16	20	8				726	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 RIVERSIDE HYDRO SUBAREA Y01B7																	
1S/ 4W-31A 2 S 10- 2-64	--	7.2	976	87 4.34 43	18 1.48 15	93 4.04 40	5 0.13 1	0	317 5.20 53	76 1.58 16	77 2.17 22	59 0.95 10	0.4	0.46	37	615 609	291
3- 9-65	--	7.4	931	84 4.19 45	14 1.15 12	88 3.83 41	5 0.13 1	0	288 4.72 52	75 1.56 17	79 2.23 24	40 0.65 7	0.4	0.70	--	579 528	267
3-19-65	68	7.2	912	--	--	--	--	--	--	76 1.59	79 2.23	42 0.68	--	--	--		
5-18-65	--	7.7	898	78 3.89 43	14 1.15 13	91 3.96 43	5 0.13 1	0	278 4.56 51	80 1.67 19	83 2.34 26	28 0.45 5	0.5	0.47	--	585 517	252
8- 5-65	70	7.4	892	--	--	--	--	--	--	74 1.54	69 1.95	55 0.89	--	--	--		
9-20-65	--	7.3	971	87 4.34 43	17 1.40 14	98 4.26 42	5 0.13 1	0	315 5.16 51	74 1.54 15	81 2.28 23	70 1.13 11	0.5	0.48	--	610 588	287
1S/ 4W-31D 1 S 3-25-65	--	7.0	864	--	--	--	--	--	--	74 1.54	79 2.23	6 0.10	--	--	--		
5-19-65	--	7.3	846	56 2.79 33	17 1.40 16	95 4.13 48	9 0.23 3	0	281 4.61 55	71 1.48 18	73 2.06 25	11 0.18 2	1.3	0.45	--	534 472	210

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
RIVERSIDE HYDRO SUBAREA Y01B7																	
1S/ 4W-31D 1 S 8- 5-65	--	7.1	858	-- 	-- 	-- 	-- 	-- 	-- 	68 1.42	79 2.23	14 0.23	-- 	-- 	-- 		
1S/ 4W-32B 2 S 9-24-65	--	7.9	697	72 3.59 49	15 1.23 17	55 2.39 33	4 0.10 1	0 	257 4.21 58	63 1.31 18	44 1.24 17	28 0.45 6	0.6 	0.25 	-- 	420 408	241
1S/ 4W-32E11 S 5-19-65	67	7.8	802	97 4.84 58	17 1.40 17	46 2.00 24	4 0.10 1	0 	289 4.74 57	68 1.4' 17	60 1.69 20	25 0.40 5	0.6 	0.17 	-- 	551 460	312
1S/ 4W-32E12 S 12- 3-64	68	7.3	875	-- 	-- 	-- 	-- 	-- 	-- 	70 1.46	86 2.43	6 0.10	-- 	-- 	-- 		
12- 3-64	68	7.5	875	-- 	-- 	-- 	-- 	-- 	-- 	69 1.44	86 2.43	5 0.08	-- 	-- 	-- 		
12- 3-64	69	7.5	876	-- 	-- 	-- 	-- 	-- 	-- 	69 1.44	86 2.43	6 0.10	-- 	-- 	-- 		
12- 3-64	76	7.3	876	-- 	-- 	-- 	-- 	-- 	-- 	69 1.44	86 2.43	6 0.10	-- 	-- 	-- 		
12- 3-64	72	7.3	873	-- 	-- 	-- 	-- 	-- 	-- 	68 1.42	86 2.43	6 0.10	-- 	-- 	-- 		

TABLE 6-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / SANTA ANA RIVER HYDRO UNIT Y0100																	
RIVERSIDE HYDRO SUBAREA Y01B7																	
1S/ 4W-32E12 S	--	7.3	863	--	--	--	--	--	--	74	87	30	--	--	--		
3- 4-65										1.54	2.45	0.48					
	--	8.0	855	--	--	--	--	--	--	72	85	8	--	--	--		
3- 4-65										1.50	2.40	0.13					
	--	7.8	858	--	--	--	--	--	--	72	84	8	--	--	--		
3- 4-65										1.50	2.37	0.13					
	--	7.7	858	--	--	--	--	--	--	73	83	8	--	--	--		
3- 4-65										1.52	2.34	0.13					
	--	7.6	853	--	--	--	--	--	--	70	88	6	--	--	--		
3- 4-65										1.46	2.48	0.10					
	68	7.6	854	69	12	97	6	0	288	72	77	19	0.6	0.50	--	530	222
6- 1-65				3.44	0.99	4.22	0.15		4.72	1.50	2.17	0.31					
				39	11	48	2		54	17	25	4				495	
	67	7.6	853	68	10	100	6	0	290	74	76	19	0.6	0.50	--	520	211
6- 1-65				3.39	0.82	4.35	0.15		4.75	1.54	2.14	0.31					
				39	9	50	2		54	18	24	4				497	
	67	7.1	856	69	12	98	6	0	285	74	78	18	0.6	0.50	--	520	222
6- 2-65				3.44	0.99	4.26	0.15		4.67	1.54	2.20	0.29					
				39	11	48	2		54	18	25	3				496	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / RIVERSIDE HYDRO SUBAREA Y01B7																	
1S/ 4W-32E12 S	70	8.0	844	69	13	96	6	0	288	72	78	17	0.5	0.48	--	510	226
6- 2-65				3.44	1.07	4.17	0.15		4.72	1.50	2.20	0.27					
				39	12	47	2		54	17	25	3				494	
	69	7.7	859	70	12	96	6	0	288	72	77	18	0.6	0.48	--	520	224
6- 2-65				3.49	0.99	4.17	0.15		4.72	1.50	2.17	0.29					
				40	11	47	2		54	17	25	3				494	
	69	7.2	855	--	--	--	--	--	--	69	82	8	--	--	--		
8- 4-65										1.44	2.31	0.13					
	69	7.3	861	--	--	--	--	--	--	69	83	8	--	--	--		
8- 4-65										1.44	2.34	0.13					
1S/ 4W-32M 1 S	--	7.8	412	59	11	10	3	0	198	35	5	11	0.2	0.01	--	264	192
5-18-65				2.94	0.90	0.43	0.08		3.25	0.73	0.14	0.18					
				68	21	10	2		76	17	3	4				232	
	--	7.7	413	--	--	--	--	--	--	36	6	13	--	--	--		
8- 5-65										0.75	0.17	0.21					
1S/ 5W-24E 1 S	--	7.7	433	63	8	13	2	0	196	26	8	24	0.3	0.05	--	266	190
3- 9-65				3.14	0.66	0.57	0.05		3.21	0.54	0.23	0.39					
				71	15	13	1		73	12	5	9				241	
	--	7.9	354	53	6	13	2	0	184	17	7	11	0.2	0.06	--	205	157
9-20-65				2.64	0.49	0.57	0.05		3.02	0.35	0.20	0.18					
				70	13	15	1		81	9	5	5				200	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01BC — SANTA ANA RIVER HYDRO UNIT Y0100																	
RIVERSIDE HYDRO SUBAREA Y01B7																	
1S/ 5W-24Q 1 S	--	7.6	426	56	12	16	2	0	194	29	10	24	0.3	0	26	280	189
10- 2-64				2.79	0.99	0.70	0.05		3.18	0.60	0.28	0.39					
				62	22	15	1		71	13	6	9				271	
	--	7.9	423	56	11	15	2	0	190	29	9	24	0.4	0.07	--	264	185
9-20-65				2.79	0.90	0.65	0.05		3.11	0.60	0.25	0.39					
				64	21	15	1		71	14	6	9				240	
1S/ 5W-25A 2 S	--	7.5	446	61	12	15	3	0	203	36	5	30	0.5	0	--	280	202
9-20-65				3.04	0.99	0.65	0.08		3.33	0.75	0.14	0.48					
				64	21	14	2		71	16	3	10				262	
1S/ 5W-25B 2 S	--	7.7	391	51	10	16	2	0	192	22	8	21	0.4	0.02	--	248	168
2- 4-65				2.54	0.82	0.70	0.05		3.15	0.46	0.23	0.34					
				62	20	17	1		75	11	6	8				225	
	--	7.8	403	55	11	15	2	0	193	24	8	27	0.4	0	--	254	182
9-13-65				2.74	0.90	0.65	0.05		3.16	0.50	0.23	0.44					
				63	21	15	1		73	12	5	10				237	
1S/ 5W-25E 1 S	--	7.9	436	61	11	14	2	0	203	28	9	25	0.3	0	25	285	197
10- 2-64				3.04	0.90	0.61	0.05		3.33	0.58	0.25	0.40					
				66	20	13	1		73	13	5	9				275	
	--	7.8	355	52	6	11	2	0	179	16	5	10	0.3	0.04	--	214	154
3- 9-65				2.59	0.49	0.48	0.05		2.93	0.33	0.14	0.16					
				72	14	13	1		82	9	4	4				190	
	--	7.7	432	61	10	15	2	0	202	27	9	24	0.3	0.09	--	260	193
9-20-65				3.04	0.82	0.65	0.05		3.31	0.56	0.25	0.39					
				67	18	14	1		73	12	6	9				248	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
RIVERSIDE HYDRO SUBAREA Y01B7																	
1S/ 5W-25L 2 S	68	7.3	544	--	--	--	--	--	--	31	19	29	--	--	--		
3-18-65										0.65	0.54	0.47					
	--	7.3	529	62	11	32	4	0	229	35	17	30	0.2	0.15	--	335	200
5-19-65				3.09	0.90	1.39	0.10		3.75	0.73	0.48	0.48					
				56	16	25	2		69	13	9	9				304	
	--	7.2	527	--	--	--	--	--	--	34	17	32	--	--	--		
8- 4-65										0.71	0.48	0.52					
1S/ 5W-25R 1 S	--	7.5	1196	95	14	105	55	0	238	150	143	51	0.7	0.24	25	760	295
10- 2-64				4.74	1.15	4.57	1.41		3.90	3.12	4.03	0.82					
				40	10	39	12		33	26	34	7				756	
	--	7.4	1310	105	16	115	43	0	252	169	146	49	0.6	0.29	--	825	328
3- 9-65				5.24	1.32	5.00	1.10		4.13	3.52	4.12	0.79					
				41	10	39	9		33	28	33	6				768	
	--	7.2	1284	--	--	--	--	--	--	165	150	53	--	--	--		
3-19-65										3.44	4.23	0.85					
	69	7.4	1376	115	17	117	62	0	273	189	152	63	0.7	0.30	--	860	357
5-17-65				5.74	1.40	5.09	1.59		4.47	3.93	4.29	1.02					
				42	10	37	12		33	29	31	7				850	
	--	7.2	1477	--	--	--	--	--	--	234	186	65	--	--	--		
8- 5-65										4.87	5.25	1.05					

TABLE 2-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / SANTA ANA RIVER HYDRO UNIT Y0100																	
RIVERSIDE HYDRO SUBAREA Y01B7																	
1S/ 5W-25R 1 S	--	7.4	1399	103	16	127	69	0	202	215	172	55	0.7	0.21	--	875	323
9-20-65				5.14	1.32	5.52	1.76		3.31	4.48	4.85	0.89					
				37	10	40	13		24	33	36	7				857	
1S/ 5W-25R 4 S	69	7.3	1002	100	15	78	22	0	283	107	87	50	0.5	0.30	--	635	311
5-17-65				4.99	1.23	3.39	0.56		4.64	2.23	2.45	0.81					
				49	12	33	6		46	22	24	8				599	
1S/ 5W-33A 2 S	--	7.4	592	73	13	31	3	0	267	23	34	29	0.2	0.03	--	363	236
2- 4-65				3.64	1.07	1.35	0.08		4.38	0.48	0.96	0.47					
				59	17	22	1		70	8	15	7				337	
1S/ 5W-34D 1 S	--	7.5	543	77	7	24	3	0	202	18	24	51	0.3	0.02	--	354	221
2- 4-65				3.84	0.58	1.04	0.08		3.31	0.79	0.68	0.82					
				69	10	19	1		59	14	12	15				324	
	--	7.7	528	77	8	21	2	0	196	36	25	49	0.3	0.01	--	330	225
9-13-65				3.84	0.66	0.91	0.05		3.21	0.75	0.71	0.79					
				70	12	17	1		59	14	13	14				315	
1S/ 5W-35G 1 S	66	8.0	435	--	--	--	--	--	--	24	8	23	--	--	--		
3-18-65										0.50	0.23	0.37					
	68	7.7	439	63	8	15	2	0	205	30	9	20	0.4	0.01	--	294	190
5-19-65				3.14	0.66	0.65	0.05		3.36	0.62	0.25	0.32					
				70	15	14	1		74	14	5	7				248	
	69	7.8	442	--	--	--	--	--	--	26	9	24	--	--	--		
8- 6-65										0.54	0.25	0.39					

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
RIVERSIDE HYDRO SUBAREA Y01B7																	
1S/ 5W-36A 1 S	--	7.8	1364	--	--	--	--	--	--	139	150	42	--	--	--		
12- 3-64										2.89	4.23	0.68					
1S/ 5W-36B 6 S	--	7.4	1309	141	20	110	24	0	373	168	128	36	0.7	0.41	22	840	434
10- 2-64				7.04	1.64	4.78	0.61		6.11	3.50	3.61	0.58					
				50	12	34	4		44	25	26	4				834	
	--	7.5	1280	126	17	109	19	0	373	143	126	28	0.7	0.31	--	781	385
3- 9-65				6.29	1.40	4.74	0.49		6.11	2.9-	3.55	0.45					
				49	11	37	4		47	2*	27	3				752	
	--	7.5	1265	--	--	--	--	--	--	141	129	28	--	--	--		
3-18-65										2.94	3.64	0.45					
	--	7.3	1326	133	19	109	28	0	372	157	135	26	0.7	0.34	--	838	410
5-17-65				6.64	1.56	4.74	0.72		6.10	3.27	3.81	0.42					
				49	11	35	5		45	24	28	3				791	
	--	7.2	1218	--	--	--	--	--	--	153	114	41	--	--	--		
8- 4-65										3.19	3.21	0.66					
	--	7.2	1276	131	20	102	30	0	368	173	113	36	0.8	0.02	--	720	409
9-20-65				6.54	1.64	4.43	0.77		6.03	3.60	3.19	0.58					
				49	12	33	6		45	27	24	4				787	
1S/ 5W-36F 1 S	--	7.3	843	104	22	52	4	0	365	50	57	30	0.3	0.44	--	646	350
2- 4-65				5.19	1.81	2.26	0.10		5.98	1.04	1.61	0.48					
				55	19	24	1		66	11	18	5				499	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
RIVERSIDE HYDRO SUBAREA Y01B7																	
1S/ 5W-36F 1 S	--	7.6	812	95	25	56	4	0	381	43	52	22	0.5	0.50	--	496	340
9-13-65				4.74	2.06	2.43	0.10		6.24	0.90	1.47	0.35					
				51	22	26	1		70	10	16	4				485	
2S/ 4W- 5C 1 S	69	7.4	1092	--	--	--	--	--	--	--	99	76	--	--	--		
10- 1-64											2.79	1.23					
	68	7.4	969	98	20	70	4	0	273	71	92	74	1.1	0.08	--	580	327
5-17-65				4.89	1.64	3.04	0.10		4.47	1.48	2.59	1.19					
				51	17	31	1		46	15	27	12				564	
	70	7.3	974	--	--	--	--	--	--	68	95	78	--	--	--		
8- 9-65										1.42	2.68	1.26					
	--	7.4	993	105	24	70	4	0	291	68	100	80	1.0	0.12	--	641	361
9-13-65				5.24	1.97	3.04	0.10		4.77	1.42	2.82	1.29					
				51	19	29	1		46	14	27	13				595	
2S/ 4W- 6A 1 S	--	7.2	808	99	19	43	4	0	277	72	63	30	0.6	0.12	--	496	325
2- 4-65				4.94	1.56	1.87	0.10		4.54	1.50	1.78	0.48					
				58	18	22	1		55	18	21	6				467	
	--	7.4	101	119	24	67	5	0	345	121	75	39	0.8	0.11	--	664	396
9-13-65				5.94	1.97	2.91	0.13		5.65	2.52	2.12	0.63					
				54	18	27	1		52	23	19	6				621	
2S/ 4W- 6K 2 S	--	7.4	1278	--	--	--	--	--	--	--	141	94	--	--	--		
10- 1-64											3.98	1.52					

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
RIVERSIDE HYDRO SUBAREA Y01B7																	
2S/ 4W- 6K 2 S	62	7.4	1413	--	--	--	--	--	--	150	146	106	--	--	--		
3-19-65										3.12	4.12	1.71					
2S/ 4W- 6Q 2 S	--	7.3	1450	--	--	--	--	--	--	--	122	41	--	--	--		
10- 1-64											3.44	0.66					
	--	7.2	1362	--	--	--	--	--	--	265	106	31	--	--	--		
3-19-65										5.52	2.99	0.50					
	--	7.4	1395	152	31	110	4	0	349	267	109	34	0.6	0.31	--	878	507
5-19-65				7.58	2.55	4.78	0.10		5.72	5.56	3.07	0.55					
				50	17	32	1		38	37	21	4				880	
	65	7.3	1414	--	--	--	--	--	--	294	112	50	--	--	--		
8- 9-65										6.12	3.16	0.81					
2S/ 4W- 6R 5 S	67	7.3	847	--	--	--	--	--	--	--	71	51	--	--	--		
10- 1-64											2.00	0.82					
	66	7.5	906	--	--	--	--	--	--	82	76	45	--	--	--		
3-19-65										1.71	2.14	0.73					
	67	7.2	994	116	22	56	5	0	283	96	85	68	0.6	0.11	--	616	380
5-19-65				5.79	1.81	2.43	0.13		4.64	2.00	2.40	1.10					
				57	18	24	1		46	20	24	11				588	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 RIVERSIDE HYDRO SUBAREA Y01B7																	
2S/ 4W-33R 2 S	58	7.3	787	48	22	69	4	0	183	38	80	66	0.7	0.20	--	498	211
3-26-65				2.40	1.81	3.00	0.10		3.00	0.79	2.26	1.06					
				33	25	41	1		42	11	32	15				418	
	70	7.5	784	49	24	68	4	0	177	39	84	87	0.7	0.22	--	475	221
9-22-65				2.45	1.97	2.96	0.10		2.90	0.81	2.37	1.40					
				33	26	40	1		39	11	32	19				443	
2S/ 5W- 1J 2 S	--	7.6	890	74	12	96	4	0	254	97	83	20	1.0	0.41	--	515	234
3- 9-65				3.69	0.99	4.17	0.10		4.16	2.02	2.34	0.32					
				41	11	47	1		47	23	26	4				512	
	--	8.0	755	48	13	90	5	0	203	95	79	2	0.8	0.31	--	430	174
9-20-65				2.40	1.07	3.91	0.13		3.33	1.98	2.23	0.03					
				32	14	52	2		44	26	29					433	
2S/ 5W- 1Q 2 S	--	7.6	870	74	15	90	5	0	244	99	79	34	0.9	0.44	18	530	246
10- 2-64				3.69	1.23	3.91	0.13		4.00	2.06	2.23	0.55					
				41	14	44	1		45	23	25	6				535	
2S/ 5W- 2P 1 S	--	8.3	680	96	12	42	6	25	264	54	23	41.5	0.2	0.09	--	496	289
6-25-65				4.79	0.99	1.83	0.15	0.83	4.33	1.12	0.65	0.67					
				62	13	24	2	11	57	15	9	9				430	
2S/ 5W-10C 1 S	--	7.4	920	82	15	86	6	0	427	50	28	14	0.8	--	--	567	266
10- 7-64				4.09	1.23	3.74	0.15		7.00	1.04	0.79	0.23					
				44	13	41	2		77	11	9	3				492	
	--	7.6	806	77	16	80	3	0	383	64	27	19	0.7	0.11	--	509	258
3- 8-65				3.84	1.32	3.48	0.08		6.28	1.33	0.76	0.31					
				44	15	40	1		72	15	9	4				475	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
RIVERSIDE HYDRO SUBAREA Y01B7																	
2S/ 5W-10C 2 S	--	7.4	844	79	19	70	3	0	286	76	68	24	0.4	0.23	--	527	275
3- 8-65				3.94	1.56	3.04	0.08		4.69	1.58	1.92	0.39					
				46	18	35	1		55	18	22	5				480	
2S/ 5W-10C 4 S	--	7.8	695	75	10	49	3	0	192	73	50	46	0.4	0.10	--	460	228
3- 8-65				3.74	0.82	2.13	0.08		3.15	1.52	1.41	0.74					
				55	12	31	1		46	22	21	11				401	
2S/ 5W-10C 5 S	--	8.0	900	80	14	86	1	0	366	88	32	18	0.6	--	--	530	257
10- 2-64				3.99	1.15	3.74	0.03		6.00	1.83	0.90	0.29					
				45	13	42			67	20	10	3				500	
2S/ 5W-10F 1 S	--	7.4	1177	114	20	116	4	0	408	134	93	24	0.5	0.10	--	750	367
3- 8-65				5.69	1.64	5.04	0.10		6.69	2.79	2.62	0.39					
				46	13	40	1		54	22	21	3				706	
2S/ 5W-10G 3 S	--	7.3	910	106	15	66	3	0	314	82	74	28	0.5	0.20	--	574	326
3- 8-65				5.29	1.23	2.87	0.08		5.15	1.71	2.09	0.45					
				56	13	30	1		55	18	22	5				529	
2S/ 5W-11A 1 S	68	7.3	825	--	--	--	--	--	--	--	72	34	--	--	--		
10- 6-64											2.03	0.55					
	--	7.4	951	--	--	--	--	--	--	125	77	38	--	--	--		
3-26-65										2.60	2.17	0.61					
	--	7.1	954	--	--	--	--	--	--	125	75	34	--	--	--		
4- 1-65										2.60	2.12	0.55					

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / RIVERSIDE HYDRO SUBAREA Y01B7										SANTA ANA RIVER HYDRO UNIT Y0100							
2S/ 5W-11A 1 S 5-19-65	68	7.6	884	101 5.04 56	16 1.32 15	58 2.52 28	4 0.10 1	0	259 4.25 47	112 2.33 26	68 1.92 21	34 0.55 6	0.3	0.22	--	590 521	318
8-10-65	70	7.2	841	--	--	--	--	--	--	125 2.60	70 1.97	46 0.74	--	--	--		
2S/ 5W-11K 2 S 12- 3-64	68	6.9	989	--	--	--	--	--	--	219 4.56	72 2.03	8 0.13	--	--	--		
12- 3-64	68	6.9	961	--	--	--	--	--	--	192 4.00	71 2.00	16 0.26	--	--	--		
12- 3-64	67	6.8	980	--	--	--	--	--	--	207 4.31	71 2.00	14 0.23	--	--	--		
12- 3-64	68	6.7	1008	--	--	--	--	--	--	237 4.93	71 2.00	5 0.08	--	--	--		
12- 3-64	67	6.7	1031	--	--	--	--	--	--	248 5.16	71 2.00	1 0.02	--	--	--		
3- 5-65	--	6.6	1141	--	--	--	--	--	--	314 6.54	76 2.14	1 0.02	--	--	--		

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
RIVERSIDE HYDRO SUBAREA Y01B7																	
2S/ 5W-11K 2 S	--	7.0	1058	--	--	--	--	--	--	247	76	5	--	--	--		
3- 5-65										5.14	2.14	0.08					
	--	7.0	1043	--	--	--	--	--	--	247	78	6	--	--	--		
3- 5-65										5.14	2.20	0.10					
	--	6.9	1076	--	--	--	--	--	--	276	78	1	--	--	--		
3- 5-65										5.75	2.20	0.02					
	--	7.1	1065	--	--	--	--	--	--	257	80	0	--	--	--		
3- 5-65										5.35	2.26						
	65	6.7	1274	160	31	79	6	0	212	401	75	14	0.5	0.40	--	920	527
6- 3-65				7.98	2.55	3.43	0.15		3.47	8.35	2.12	0.23					
				57	18	24	1		24	59	15	2				871	
	65	6.7	1245	157	31	74	6	0	215	380	75	15	0.5	0.38	--	900	519
6- 3-65				7.83	2.55	3.22	0.15		3.52	7.91	2.12	0.24					
				57	19	23	1		26	57	15	2				845	
	63	6.7	1280	163	34	72	6	0	212	403	77	13	0.5	0.36	--	930	547
6- 3-65				8.13	2.80	3.13	0.15		3.47	8.39	2.17	0.21					
				57	20	22	1		24	59	15	1				873	
	65	6.7	1344	177	37	74	7	0	207	464	73	2	0.5	0.36	--	1000	594
6- 3-65				8.83	3.04	3.22	0.18		3.39	9.66	2.06	0.03					
				58	20	21	1		22	64	14					937	

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap. 180°C Evap. 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 RIVERSIDE HYDRO SUBAREA Y01B7																	
2S/ 5W-11K 2 S	68	6.9	1267	157	35	73	7	0	205	418	72	1	0.5	0.40	--	915	536
6- 3-65				7.83	2.88	3.17	0.18		3.36	8.70	2.03	0.02					
				56	20	23	1		24	62	14					865	
	67	6.8	1144	--	--	--	--	--	--	332	69	12	--	--	--		
8- 6-65										6.91	1.95	0.19					
	67	6.8	1147	--	--	--	--	--	--	334	70	11	--	--	--		
8- 6-65										6.95	1.97	0.18					
	68	7.8	1149	--	--	--	--	--	--	329	71	7	--	--	--		
8- 6-65										6.85	2.00	0.11					
2S/ 5W-11M 1 S	--	7.5	594	--	--	--	--	--	--	--	20	31	--	--	--		
10- 5-64											0.56	0.50					
	--	7.5	671	--	--	--	--	--	--	78	24	38	--	--	--		
3-17-65										1.62	0.68	0.61					
	--	7.9	685	86	14	36	3	0	251	80	27	34	0.4	0.03	--	444	272
5-20-65				4.29	1.15	1.57	0.08		4.11	1.67	0.76	0.55					
				61	16	22	1		58	24	11	8				404	
	70	7.4	666	--	--	--	--	--	--	115	34	6	--	--	--		
8- 9-65										2.39	0.96	0.10					

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C	TDS Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / RIVERSIDE HYDRO SUBAREA Y01B7 — SANTA ANA RIVER HYDRO UNIT Y0100																		
2S/ 5W-12B 2 S																		
10- 1-64	--	7.2	1111	--	--	--	--	--	--	--	108	37	--	--	--			
											3.05	0.60						
3-17-65	--	7.3	1266	--	--	--	--	--	--	238	128	38	--	--	--			
										4.96	3.61	0.61						
5-19-65	--	7.4	1279	141	27	93	6	0	273	233	121	31	0.7	0.29	--	910		463
				7.04	2.22	4.04	0.15		4.47	4.85	3.41	0.50						
				52	17	30	1		34	37	26	4				787		
8- 5-65	--	7.2	1092	--	--	--	--	--	--	177	102	35	--	--	--			
										3.69	2.88	0.56						
2S/ 5W-12C 1 S																		
10- 1-64	--	7.1	864	--	--	--	--	--	--	--	81	41	--	--	--			
											2.28	0.66						
10- 2-64	--	7.8	894	84	20	78	5	0	256	100	84	42	0.5	0.39	21	580		292
				4.19	1.64	3.39	0.13		4.20	2.08	2.37	0.68						
				45	18	36	1		45	22	25	7				561		
3- 9-65	--	7.4	895	82	14	85	5	0	253	94	81	31	0.6	0.41	--	546		262
				4.09	1.15	3.70	0.13		4.15	1.96	2.28	0.50						
				45	13	41	1		47	22	26	6				517		
3-17-65	64	7.2	874	--	--	--	--	--	--	90	78	37	--	--	--			
										1.87	2.20	0.60						

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / RIVERSIDE HYDRO SUBAREA Y01B7 — SANTA ANA RIVER HYDRO UNIT Y0100																	
2S/ 5W-12C 1 S	--	7.4	895	82	15	82	5	0	256	98	80	28	0.6	0.37	--	558	266
5-19-65				4.09	1.23	3.57	0.13		4.20	2.04	2.26	0.45					
				45	14	40	1		47	23	25	5				517	
	--	7.3	870	--	--	--	--	--	--	96	79	27	--	--	--		
8-10-65										2.00	2.23	0.44					
	--	7.3	867	77	16	82	5	0	263	92	81	21	0.5	0.44	--	520	258
9-25-65				3.84	1.32	3.57	0.13		4.31	1.92	2.28	0.34					
				43	15	40	1		49	22	26	4				504	
2S/ 5W-12E 1 S	--	7.8	310	--	--	--	--	--	--	--	7	4	--	--	--		
10- 1-64											0.20	0.06					
	--	8.2	296	--	--	--	--	--	--	13	6	2	--	--	--		
3-17-65										0.27	0.17	0.03					
	--	8.1	322	46	5	13	2	0	173	15	5	3	0.3	0.01	--	215	136
5-19-65				2.30	0.41	0.57	0.05		2.84	0.31	0.14	0.05					
				69	12	17	2		85	9	4	1				174	
	--	7.9	322	--	--	--	--	--	--	14	6	4	--	--	--		
8- 5-65										0.29	0.17	0.06					
2S/ 5W-12E 2 S	--	7.1	1092	--	--	--	--	--	--	--	106	37	--	--	--		
10- 1-64											2.99	0.60					

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
				equivalents per million													
				percent reactance value													
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
RIVERSIDE HYDRO SUBAREA Y01B7																	
2S/ 5W-12E 2 S	--	7.1	1061	--	--	--	--	--	--	159	99	40	--	--	--		
3-17-65										3.31	2.79	0.65					
	--	7.7	1075	123	25	66	5	0	261	163	96	38	0.6	0.19	--	756	410
5-19-65				6.14	2.06	2.87	0.13		4.28	3.39	2.71	0.61					
				55	18	26	1		39	31	25	6				645	
	--	7.3	1052	--	--	--	--	--	--	161	95	35	--	--	--		
8- 5-65										3.35	2.68	0.56					
2S/ 5W-14D 1 S	70	8.2	774	59	10	81	2	0	150	117	82	9	1.3	0.54	--	456	188
9-30-65				2.94	0.82	3.52	0.05		2.46	2.44	2.31	0.15					
				40	11	48	1		33	33	31	2				436	
2S/ 5W-14G 2 S	--	7.5	519	--	--	--	--	--	--	--	26	4	--	--	--		
10- 5-64											0.73	0.06					
	--	7.4	626	--	--	--	--	--	--	102	33	6	--	--	--		
3-17-65										2.12	0.93	0.10					
	69	7.5	673	87	13	33	3	0	211	117	34	6	0.4	0.11	--	432	271
5-20-65				4.34	1.07	1.43	0.08		3.46	2.44	0.96	0.10					
				63	15	21	1		50	35	14	1				397	
	70	7.4	669	--	--	--	--	--	--	94	20	22	--	--	--		
8- 9-65										1.96	0.56	0.35					

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 / RIVERSIDE HYDRO SUBAREA Y01B7																	
2S/ 5W-14G 2 S	--	7.5	568	75	9	28	2	0	204	81	30	4	0.4	0.05	--	339	224
8-27-65				3.74	0.74	1.22	0.05		3.34	1.69	0.85	0.06					
				65	13	21	1		56	28	14	1				330	
2S/ 5W-16A 3 S	--	7.9	1020	84	20	90	6	--	312	110	76	23	0.3	0.14	--	620	292
6-25-65				4.19	1.64	3.91	0.15		5.11	2.29	2.14	0.37					
				42	17	40	2		52	23	22	4				563	
2S/ 5W-20R 1 S	70	7.5	618	--	--	--	--	--	--	--	22	24	--	--	--		
10- 5-64											0.62	0.39					
	--	7.4	636	--	--	--	--	--	--	81	20	23	--	--	--		
3-18-65										1.69	0.56	0.37					
	68	7.6	711	87	13	35	3	0	254	90	19	22	0.4	0.02	--	400	271
5-24-65				4.34	1.07	1.52	0.08		4.16	1.87	0.54	0.35					
				62	15	22	1		60	27	8	5				394	
	69	7.5	679	--	--	--	--	--	--	78	30	38	--	--	--		
8- 9-65										1.62	0.85	0.61					
2S/ 5W-21J 1 S	70	7.2	902	--	--	--	--	--	--	--	50	4	--	--	--		
10- 5-64											1.41	0.06					
	--	7.8	545	--	--	--	--	--	--	74	27	4	--	--	--		
3-18-65										1.54	0.76	0.06					

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 RIVERSIDE HYDRO SUBAREA Y01B7																	
2S/ 5W-21J 1 S	68	8.0	866	112	21	41	4	0	250	180	47	3	0.5	0.10	--	584	366
5-20-65				5.59	1.73	1.78	0.10		4.10	3.75	1.33	0.05					
				61	19	19	1		44	41	14	1				532	
	68	7.4	886	--	--	--	--	--	--	181	48	4	--	--	--		
8-10-65										3.77	1.35	0.06					
2S/ 5W-22D 1 S	--	7.5	1024	--	--	--	--	--	--	--	60	5	--	--	--		
10- 5-64											1.69	0.08					
	--	7.7	947	--	--	--	--	--	--	207	54	6	--	--	--		
3-18-65										4.31	1.52	0.10					
	67	7.8	986	133	24	46	5	0	281	212	56	4	0.6	0.13	--	689	431
5-20-65				6.64	1.97	2.00	0.13		4.61	4.41	1.58	0.06					
				62	18	19	1		43	41	15	1				619	
2S/ 5W-28B 1 S	--	6.8	1789	--	--	--	--	--	--	12	222	1	--	--	--		
3-25-65										0.25	6.26	0.02					
2S/ 5W-29E 4 S	68	7.3	697	--	--	--	--	--	--	--	59	5	--	--	--		
10- 5-64											1.66	0.08					
	59	7.7	641	--	--	--	--	--	--	57	48	19	--	--	--		
3-18-65										1.19	1.35	0.31					

TABLE 2-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
MIDDLE SANTA ANA R HYDRO SUBUNIT Y01B0 RIVERSIDE HYDRO SUBAREA Y01B7																	
2S/ 5W-29E 4 S	62	7.7	556	56	12	40	6	0	232	41	34	1	0.5	0.20	--	340	189
5-24-65				2.79	0.99	1.74	0.15		3.80	0.85	0.96	0.02					
				49	17	31	3		67	15	17					305	
	65	7.4	556	--	--	--	--	--	--	16	31	14	--	--	--		
8-10-65										0.33	0.87	0.23					

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
LAKE MATHEWS HYDRO SUBUNIT Y01C0																	
BEDFORD HYDRO SUBAREA Y01C2																	
4S/ 6W-21J 1 S	--	7.6	1274	151	39	72	2	0	323	254	77	51	0.6	0.10	--	939	537
3-20-65				7.53	3.21	3.13	0.05		5.29	5.29	2.17	0.82					
				54	23	22			39	39	16	6				806	
4S/ 6W-22D 1 S	--	7.2	1425	186	43	80	2	0	310	349	98	64	0.7	0.14	--	1070	642
3-20-65				9.28	3.54	3.48	0.05		5.08	7.27	2.76	1.03					
				57	22	21			31	45	17	6				975	

TABLE 2-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivolents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
COLTON-RIALTO HYDRO SUBUNIT Y01D0																	
LOWER LYTLE HYDRO SUBAREA Y01D2																	
1N/ 5W- 6K 2 S	--	7.4	366	49	11	11	3	0	176	36	5	6	0.4	0.01	--	272	168
9-28-65				2.45	0.90	0.48	0.08		2.88	0.75	0.14	0.10					
				63	23	12	2		74	19	4	3				208	
COLTON-RIALTO HYDRO SUBAREA Y01D4																	
1S/ 4W-18E 1 S	--	7.7	473	70	8	16	2	0	196	36	8	42	0.3	0	--	311	208
2- 4-65				3.49	0.66	0.70	0.05		3.21	0.75	0.23	0.68					
				71	13	14	1		66	15	5	14				279	
	--	7.9	358	49	9	15	2	0	190	19	6	13	0.4	0	--	223	160
9-13-65				2.45	0.74	0.65	0.05		3.11	0.40	0.17	0.21					
				63	19	17	1		80	10	4	5				207	
1S/ 4W-21L 3 S	--	7.4	675	--	--	--	--	--	--	86	35	5	--	--	--		
3-19-65										1.79	0.99	0.08					
	74	7.6	684	76	12	52	4	0	250	85	41	6	0.9	0.14	--	440	239
5-18-65				3.79	0.99	2.26	0.10		4.10	1.77	1.16	0.10					
				53	14	32	1		58	25	16	1				400	
	--	7.6	700	--	--	--	--	--	--	85	45	8	--	--	--		
8- 3-65										1.77	1.27	0.13					
1S/ 4W-21R 1 S	--	7.6	855	--	--	--	--	--	--	--	69	18	--	--	--		
10- 6-64											1.95	0.29					

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
COLTON-RIALTO HYDRO SUBUNIT Y01D0																	
COLTON-RIALTO HYDRO SUBAREA Y01D4																	
1S/ 4W-21R 1 S	--	7.5	864	91	28	56	3	0	321	78	78	13	0.8	0.33	--	498	342
2- 4-65				4.54	2.30	2.43	0.08		5.26	1.62	2.20	0.21					
				49	25	26	1		57	17	24	2				506	
	--	7.3	878	--	--	--	--	--	--	83	73	12	--	--	--		
3-18-65										1.73	2.06	0.19					
	--	7.4	866	91	25	52	3	0	290	85	73	16	0.7	0.35	--	601	330
5-18-65				4.54	2.06	2.26	0.08		4.75	1.77	2.06	0.26					
				51	23	25	1		54	20	23	3				489	
	--	7.3	826	--	-	--	--	--	--	86	72	14	--	--	--		
8- 9-65										1.79	2.03	0.23					
1S/ 4W-21R 3 S	66	8.6	1060	21	8	216	3	22	520	0	77	1	0.1	0.36	--	655	86
6- 1-65				1.05	0.66	9.39	0.08	0.73	8.52		2.17	0.02					
				9	6	84	1	6	74		19					604	
	69	8.4	1104	--	--	--	--	--	--	0	85	0	--	--	--		
8- 2-65											2.40						
1S/ 4W-21R 4 S	66	8.2	578	31	6	86	2	0	273	29	30	0	1.4	0.41	--	355	102
6- 1-65				1.55	0.49	3.74	0.05		4.47	0.60	0.85						
				27	8	64	1		76	10	14					320	
	66	8.0	573	--	--	--	--	--	--	30	31	0	--	--	--		
8- 2-65										0.62	0.87						

TABLE C-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C	TDS Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																		
COLTON-RIALTO HYDRO SUBUNIT Y01D0																		
COLTON-RIALTO HYDRO SUBAREA Y01D4																		
1S/ 4W-21R 5 S	--	8.0	560	49	8	59	3	0	261	40	25	0	1.2	0.12	--	344		156
6- 1-65				2.45	0.66	2.57	0.08		4.28	0.83	0.71							
				43	11	45	1		74	14	12					314		
	66	8.0	563	--	--	--	--	--	--	41	26	0	--	--	--			
8- 2-65										0.85	0.73							
1S/ 4W-21R 6 S	68	10.0	434	6	4	72	3	56	20	47	30	0	0.7	0.28	--	265		32
6- 3-65				0.30	0.33	3.13	0.08	1.87	0.33	0.98	0.85							
				8	9	82	2	46	8	24	21					229		
	68	9.9	440	--	--	--	--	--	--	48	33	0	--	--	--			
8- 2-65										1.00	0.93							
1S/ 4W-21R 7 S	67	8.2	580	43	11	66	2	0	295	26	27	0	1.2	0.30	--	336		153
6- 3-65				2.15	0.90	2.87	0.05		4.84	0.54	0.76							
				36	15	48	1		79	9	12					322		
	67	8.1	575	--	--	--	--	--	--	28	28	0	--	--	--			
8- 2-65										0.58	0.79							
1S/ 4W-28E 1 S	71	7.3	1050	--	--	--	--	--	--	87	97	49	--	--	--			
12- 2-64										1.81	2.74	0.79						
	69	7.2	1064	--	--	--	--	--	--	87	98	47	--	--	--			
12- 2-64										1.81	2.76	0.76						

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 80°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
COLTON-RIALTO HYDRO SUBUNIT Y01D0																	
COLTON-RIALTO HYDRO SUBAREA Y01D4																	
1S/ 4W-28E 1 S																	
12- 2-64	68	7.3	1055	--	--	--	--	--	--	87	98	47	--	--	--		
										1.81	2.76	0.76					
12- 2-64	69	7.2	1058	--	--	--	--	--	--	88	98	49	--	--	--		
										1.83	2.76	0.79					
12- 2-64	68	7.1	1053	--	--	--	--	--	--	88	97	47	--	--	--		
										1.83	2.74	0.76					
3- 4-65	--	7.7	1032	--	--	--	--	--	--	82	96	44	--	--	--		
										1.71	2.71	0.71					
5-31-65	68	6.8	1000	85	15	107	7	0	332	69	85	57	0.5	0.58	--	640	274
				4.24	1.23	4.65	0.18		5.44	1.44	2.40	0.92					
				41	12	45	2		53	14	24	9				589	
5-31-65	67	7.8	1045	99	18	104	6	0	388	74	79	54	0.4	0.56	--	660	321
				4.94	1.48	4.52	0.15		6.36	1.54	2.23	0.87					
				45	13	41	1		58	14	20	8				626	
5-31-65	67	7.6	1043	95	16	105	6	0	373	72	81	55	0.4	0.56	--	645	303
				4.74	1.32	4.57	0.15		6.11	1.50	2.28	0.89					
				44	12	42	1		57	14	21	8				614	
8- 3-65	69	7.0	931	--	--	--	--	--	--	68	71	45	--	--	--		
										1.42	2.00	0.73					

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
COLTON-RIALTO HYDRO SUBUNIT Y01D0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
COLTON-RIALTO HYDRO SUBAREA Y01D4																	
1S/ 4W-28E 1 S	67	7.0	947	--	--	--	--	--	--	67	74	45	--	--	--		
8- 3-65										1.39	2.09	0.73					
	69	7.0	955	--	--	--	--	--	--	66	71	45	--	--	--		
8- 3-65										1.37	2.00	0.73					
	69	6.9	946	--	--	--	--	--	--	67	71	45	--	--	--		
8- 3-65										1.39	2.00	0.73					
	69	6.9	940	--	--	--	--	--	--	66	72	46	--	--	--		
8- 3-65										1.37	2.03	0.74					
1S/ 4W-28G 2 S	--	7.3	1002	--	--	--	--	--	--	128	59	16	--	--	--		
3-19-65										2.66	1.66	0.26					
	--	7.4	1016	92	28	90	3	0	378	133	60	16	0.9	0.26	--	610	345
5-17-65				4.59	2.30	3.91	0.08		6.20	2.77	1.69	0.26					
				42	21	36	1		57	25	15	2				609	
	--	7.2	1008	--	--	--	--	--	--	28	62	16	--	--	--		
8- 9-65										0.58	1.75	0.26					
1S/ 4W-28R 3 S	--	7.7	682	62	10	69	3	0	246	60	47	21	0.9	0.11	--	417	196
2- 4-65				3.09	0.82	3.00	0.08		4.03	1.25	1.33	0.34					
				44	12	43	1		58	18	19	5				394	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Minerol constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
COLTON-RIALTO HYDRO SUBUNIT Y01D0																	
COLTON-RIALTO HYDRO SUBAREA Y01D4																	
1S/ 4W-28R 3 S	--	7.9	615	57	10	62	3	0	226	52	45	19	0.8	0.11	--	356	183
9-13-65				2.84	0.82	2.70	0.08		3.70	1.08	1.27	0.31					
				44	13	42	1		58	17	20	5				360	
1S/ 4W-29A 1 S	69	7.9	376	32	4	42	2	0	173	26	14	5	0.4	0.04	--	210	97
5-17-65				1.60	0.33	1.83	0.05		2.84	0.54	0.39	0.08					
				42	9	48	1		74	14	10	2				210	
1S/ 4W-29A 2 S	68	7.8	384	--	--	--	--	--	--	26	13	6	--	--	--		
3-19-65										0.54	0.37	0.10					
1S/ 5W-12N 1 S	--	7.6	381	58	6	12	2	0	189	19	6	18	0.3	0	--	247	169
2- 4-65				2.89	0.49	0.52	0.05		3.10	0.40	0.17	0.29					
				73	12	13	1		78	10	4	7				214	
	--	7.7	382	59	7	13	2	0	193	19	7	17	0.4	0	--	244	176
9-13-65				2.94	0.58	0.57	0.05		3.16	0.40	0.20	0.27					
				71	14	14	1		78	10	5	7				219	
RECHE HYDRO SUBAREA Y01D5																	
2S/ 3W-18D 1 S	66	7.7	396	25	8	42	2	0	133	13	39	16	0.7	0	--	279	96
5- 4-65				1.25	0.66	1.83	0.05		2.18	0.27	1.10	0.26					
				33	17	48	1		57	7	29	7				211	
2S/ 3W-20D 4 S	64	7.4	299	13	7	36	3	0	121	7	26	1.5	1.2	0.03	--	195	62
5- 4-65				0.65	0.58	1.57	0.08		1.98	0.15	0.73	0.02					
				23	20	55	3		69	5	25	1				154	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
COLTON-RIALTO HYDRO SUBUNIT Y01D0																	
RECHE HYDRO SUBAREA Y01D5																	
2S/ 3W-20R 3 S	64	7.4	299	13	7	36	3	0	121	7	26	1.5	1.2	0.03	--	195	62
5- 4-65				0.65	0.58	1.57	0.08		1.98	0.15	0.73	0.02					
				23	20	55	3		69	5	25	1				154	
2S/ 4W-12M 1 S	68	7.5	441	34	9	39	2	--	151	23	44	2.5	0.9	0.03	--	265	122
5- 4-65				1.70	0.74	1.70	0.05		2.47	0.48	1.24	0.04					
				41	18	41	1		58	11	29	1				229	
2S/ 4W-14D 1 S	58	8.3	624	21	3	98	1	8	78	85	83	0	1.9	0.65	--	394	65
3-26-65				1.05	0.25	4.26	0.03	0.27	1.28	1.77	2.34						
				19	4	76	1	5	23	31	41					340	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER SANTA ANA HYDRO SUBUNIT Y01E0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
BUNKER HILL HYDRO SUBAREA Y01E2																	
1S/ 3W- 1H 1 S	66	8.1	385	49	17	36	3	0	221	34	27	8.2	0.8	0	--	292	193
6-24-65				2.45	1.40	1.57	0.08		3.62	0.71	0.76	0.13					
				45	25	29	1		69	14	15	2				284	
1S/ 3W- 3Q 1 S	67	7.1	540	63	11	39	4	0	238	36	17	41.1	0	0.03	--	356	202
6-24-65				3.14	0.90	1.70	0.10		3.90	0.75	0.48	0.66					
				54	15	29	2		67	13	8	11				328	
1S/ 3W- 8N 2 S	61	7.5	818	96	21	41	4	0	294	46	79	27	0.4	0.53	--	472	326
8-24-65				4.79	1.73	1.78	0.10		4.82	0.96	2.23	0.44					
				57	21	21	1		57	11	26	5				459	
	61	7.4	845	98	21	42	4	0	300	45	81	27	0.3	0.56	--	489	331
8-24-65				4.89	1.73	1.83	0.10		4.92	0.94	2.28	0.44					
				57	20	21	1		57	11	27	5				466	
	--	7.6	769	90	18	39	4	0	279	42	72	25	0.4	0.51	--	439	299
8-24-65				4.49	1.48	1.70	0.10		4.57	0.87	2.03	0.40					
				58	19	22	1		58	11	26	5				428	
	61	7.3	812	98	18	40	4	0	295	43	77	26	0.4	0.55	--	468	319
8-24-65				4.89	1.48	1.74	0.10		4.84	0.90	2.17	0.42					
				60	18	21	1		58	11	26	5				452	
1S/ 3W- 8N 3 S	--	7.6	870	90	35	32	4	0	288	49	92	25	0.4	0.59	--	527	369
8-25-65				4.49	2.88	1.39	0.10		4.72	1.02	2.59	0.40					
				51	33	16	1		54	12	30	5				470	
	--	7.5	871	93	32	32	4	0	282	50	92	27	0.4	0.64	--	537	364
8-25-65				4.64	2.63	1.39	0.10		4.62	1.04	2.59	0.44					
				53	30	16	1		53	12	30	5				470	

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
UPPER SANTA ANA HYDRO SUBUNIT Y01E0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
BUNKER HILL HYDRO SUBAREA Y01E2																	
1S/ 3W- 8N 3 S	--	7.8	909	97	36	32	4	0	304	50	96	25	0.3	0.65	--	543	390
8-25-65				4.84	2.96	1.39	0.10		4.98	1.04	2.71	0.40					
				52	32	15	1		55	11	30	4				490	
	--	7.5	909	101	33	32	4	0	304	51	95	28	0.4	0.60	--	542	388
8-25-65				5.04	2.71	1.39	0.10		4.98	1.06	2.68	0.45					
				55	29	15	1		54	12	29	5				494	
	--	7.6	887	102	30	32	4	0	312	50	91	26	0.4	0.56	--	532	378
8-25-65				5.09	2.47	1.39	0.10		5.11	1.04	2.57	0.42					
				56	27	15	1		56	11	28	5				489	
1S/ 3W- 9E 2 S	--	7.6	242	25	7	13	2	0	115	8	8	5	0.4	0.08	--	140	92
3- 9-65				1.25	0.58	0.57	0.05		1.88	0.17	0.23	0.08					
				51	24	23	2		80	7	10	3				125	
	66	8.1	310	50	6	22	4	0	212	11	7	6.2	0.3	--	--	208	150
6-24-65				2.50	0.49	0.96	0.10		3.47	0.23	0.20	0.10					
				62	12	24	2		87	6	5	3				211	
1S/ 3W-14P 2 S	71	7.9	645	91	14	15	2	0	195	65	18	70	0.6	0	--	438	285
6-18-65				4.54	1.15	0.65	0.05		3.20	1.35	0.51	1.13					
				71	18	10	1		52	22	8	18				371	
1S/ 3W-14R 1 S	69	8.0	497	67	12	12	3	0	176	43	13	54	0.6	0	--	311	217
6-18-65				3.34	0.99	0.52	0.08		2.88	0.90	0.37	0.87					
				68	20	11	2		57	18	7	17				291	
1S/ 3W-15A 1 S	--	7.7	534	77	14	17	2	0	321	12	10	2	0.2	0	--	293	250
6-18-65				3.84	1.15	0.74	0.05		5.26	0.25	0.28	0.03					
				66	20	13	1		90	4	5	1				292	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER SANTA ANA HYDRO SUBUNIT Y01E0 / BUNKER HILL HYDRO SUBAREA Y01E2				SANTA ANA RIVER HYDRO UNIT Y0100													
1S/ 3W-15M 3 S	62	7.8	371	48	8	13	2	0	145	28	10	30	0.4	0	--	222	153
6-18-65				2.40	0.66	0.57	0.05		2.38	0.58	0.28	0.48					
				65	18	15	1		64	16	8	13				211	
1S/ 3W-16J 1 S	63	7.7	436	56	11	14	2	0	156	35	12	42	0.3	0	--	264	185
6-18-65				2.79	0.90	0.61	0.05		2.56	0.73	0.34	0.68					
				64	21	14	1		59	17	8	16				249	
1S/ 3W-17C 3 S	--	7.8	720	105	18	18	3	0	285	53	49	19	0.4	0.10	--	490	336
3- 9-65				5.24	1.48	0.78	0.08		4.67	1.10	1.38	0.31					
				69	20	10	1		63	15	18	4				406	
	--	7.5	762	108	20	24	4	0	288	70	51	26	0.4	0.16	--	450	352
6-18-65				5.39	1.64	1.04	0.10		4.72	1.46	1.44	0.42					
				66	20	13	1		59	18	18	5				445	
	--	7.4	877	122	24	31	4	0	328	87	62	36	0.5	0.24	--	540	403
9-29-65				6.09	1.97	1.35	0.10		5.38	1.81	1.75	0.58					
				64	21	14	1		57	19	18	6				528	
1S/ 3W-17L 1 S	67	7.9	482	67	11	17	2	0	178	53	8	45	0.6	0.06	--	280	212
6-18-65				3.34	0.90	0.74	0.05		2.92	1.10	0.23	0.73					
				66	18	15	1		59	22	5	15				291	
1S/ 3W-18L 1 S	67	7.8	757	108	20	25	4	0	215	136	18	77	0.6	0.16	--	510	352
6-18-65				5.39	1.64	1.09	0.10		3.52	2.83	0.51	1.24					
				66	20	13	1		43	35	6	15				494	
1S/ 3W-19G 2 S	--	8.0	477	61	12	20	2	0	190	43	11	36	0.9	0.02	--	320	202
3- 9-65				3.04	0.99	0.87	0.05		3.11	0.90	0.31	0.58					
				61	20	18	1		63	18	6	12				279	

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER SANTA ANA HYDRO SUBUNIT Y01E0 / BUNKER HILL HYDRO SUBAREA Y01E2 — SANTA ANA RIVER HYDRO UNIT Y0100																	
1S/ 3W-19J 1 S	--	7.9	389	40	7	35	2	0	171	36	12	10	1.4	0.06	--	240	129
9-29-65				2.00	0.58	1.52	0.05		2.80	0.75	0.34	0.16					
				48	14	37	1		69	19	8	4				227	
1S/ 3W-20P 1 S	74	8.0	579	75	13	27	3	0	224	43	29	36	0.9	0.04	--	330	241
6-18-65				3.74	1.07	1.17	0.08		3.67	0.90	0.82	0.58					
				62	18	19	1		61	15	14	10				337	
1S/ 3W-20R 2 S	73	8.0	536	67	12	28	3	0	205	38	24	38	0.9	0.04	--	330	217
6-18-65				3.34	0.99	1.22	0.08		3.36	0.79	0.68	0.61					
				59	18	22	1		62	15	13	11				312	
1S/ 3W-28E 2 S	76	7.7	658	71	14	44	4	0	215	51	51	45	1.1	0.04	--	400	235
6-17-65				3.54	1.15	1.91	0.10		3.52	1.06	1.44	0.73					
				53	17	29	1		52	16	21	11				387	
1S/ 3W-28H 1 S	73	7.7	545	63	10	36	3	0	200	49	19	43	1.0	0.05	--	330	198
6-18-65				3.14	0.82	1.57	0.08		3.28	1.02	0.54	0.69					
				56	15	28	1		59	18	10	12				322	
1S/ 3W-28M 3 S	78	7.2	462	30	9	56	3	0	183	35	29	9	1.2	0.06	--	260	112
6-17-65				1.50	0.74	2.43	0.08		3.00	0.73	0.82	0.15					
				32	16	51	2		64	16	17	3				262	
1S/ 3W-31H 1 S	70	7.5	934	74	28	90	3	0	334	95	44	82	0.8	0.04	--	560	300
6-17-65				3.69	2.30	3.91	0.08		5.47	1.98	1.24	1.32					
				37	23	39	1		55	20	12	13				581	
1S/ 4W- 3H 2 S	66	7.6	366	52	10	11	3	0	207	14	6	4	0.6	0.01	--	224	171
6-16-65				2.59	0.82	0.48	0.08		3.39	0.29	0.17	0.06					
				65	21	12	2		87	7	4	2				202	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER SANTA ANA HYDRO SUBUNIT Y01E0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
BUNKER HILL HYDRO SUBAREA Y01E2																	
1S/ 4W- 5E 5 S	68	7.8	492	71	13	15	4	0	234	51	8	11	0.5	0.01	--	300	231
6-16-65				3.54	1.07	0.65	0.10		3.84	1.06	0.23	0.18					
				66	20	12	2		72	20	4	3				289	
1S/ 4W-10F 1 S	70	7.9	357	42	9	18	3	0	183	16	11	3	1.4	0.19	--	208	142
6-17-65				2.10	0.74	0.78	0.08		3.00	0.33	0.31	0.05					
				57	20	21	2		81	9	8	1				193	
1S/ 4W-13E 7 S	--	8.0	492	--	--	--	--	--	--	84	15	2.0	--	--	--		
3-25-65										1.75	0.42	0.03					
1S/ 4W-13G 2 S	62	7.8	426	56	10	18	3	0	198	26	17	11	0.5	0.42	--	220	181
6-17-65				2.79	0.82	0.78	0.08		3.25	0.54	0.48	0.18					
				62	18	17	2		73	12	11	4				239	
	--	7.5	422	56	12	18	2	0	207	24	19	10	0.5	0.56	--	255	189
9-29-65				2.79	0.99	0.78	0.05		3.39	0.50	0.54	0.16					
				61	21	17	1		74	11	12	3				244	
1S/ 4W-13L 1 S	--	7.6	580	77	14	19	3	0	176	68	12	72	0.4	0.02	--	370	250
3- 9-65				3.84	1.15	0.83	0.08		2.88	1.42	0.34	1.16					
				65	19	14	1		50	24	6	20				352	
	63	7.5	593	80	15	22	3	0	188	79	10	70	0.5	0.10	--	360	261
6-17-65				3.99	1.23	0.96	0.08		3.08	1.64	0.28	1.13					
				64	20	15	1		50	27	5	18				372	
	--	7.6	651	94	18	22	3	0	207	99	14	85	0.6	0.02	--	460	309
9-29-65				4.69	1.48	0.96	0.08		3.39	2.06	0.39	1.37					
				65	21	13	1		47	29	5	19				437	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
UPPER SANTA ANA HYDRO SUBUNIT Y01E0																	
BUNKER HILL HYDRO SUBAREA Y01E2																	
1S/ 4W-13M 2 S	--	7.9	253	28	4	20	2	0	133	13	6	2	0.7	0.04	--	155	87
9-29-65				1.40	0.33	0.87	0.05		2.18	0.27	0.17	0.03					
				53	12	33	2		82	10	6	1				141	
1S/ 4W-13N 1 S	68	7.6	591	76	12	29	3	0	199	98	19	18	0.6	0.08	--	389	239
5-17-65				3.79	0.99	1.26	0.08		3.26	2.04	0.54	0.29					
				62	16	21	1		53	33	9	5				353	
	66	7.6	589	76	13	28	3	0	203	102	18	17	0.7	0.04	--	340	243
6-17-65				3.79	1.07	1.22	0.08		3.33	2.12	0.51	0.27					
				62	17	20	1		53	34	8	4				358	
1S/ 4W-13N 5 S	64	7.7	563	--	--	--	--	--	--	--	15	48	--	--	--		
10- 6-64											0.42	0.77					
	61	7.6	600	78	15	23	3	0	198	79	15	55	0.5	0.13	--	417	256
5-17-65				3.89	1.23	1.00	0.08		3.25	1.64	0.42	0.89					
				63	20	16	1		52	26	7	14				366	
	65	7.6	616	--	--	--	--	--	--	93	16	46	--	--	--		
8- 9-65										1.94	0.45	0.74					
1S/ 4W-13R 1 S	--	7.8	706	92	16	35	3	0	222	136	24	27	0.8	0.02	--	520	296
6-18-65				4.59	1.32	1.52	0.08		3.64	2.83	0.68	0.44					
				61	18	20	1		48	37	9	6				443	
1S/ 4W-14J 3 S	55	7.3	926	--	--	--	--	--	--	273	22	3.0	--	--	--		
3-25-65										5.68	0.62	0.05					

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER SANTA ANA HYDRO SUBUNIT Y01E0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
BUNKER HILL HYDRO SUBAREA Y01E2																	
1S/ 4W-14J 3 S	68	7.4	857	123	23	31	5	0	232	238	21	2	0.5	0.06	--	630	402
5-17-65				6.14	1.89	1.35	0.13		3.80	4.96	0.59	0.03					
				65	20	14	1		41	53	6					558	
	--	7.3	968	--	--	--	--	--	--	296	23	4	--	--	--		
8- 4-65										6.16	0.65	0.06					
1S/ 4W-15M 2 S	80	7.7	603	68	8	51	3	0	228	99	19	1	1.8	0.29	--	388	203
6-17-65				3.39	0.66	2.22	0.08		3.74	2.06	0.54	0.02					
				53	10	35	1		59	32	8					363	
1S/ 4W-22A 5 S	--	7.4	828	--	--	--	--	--	--	197	16	1	--	--	--		
3-19-65										4.10	0.45	0.02					
	--	7.6	784	114	21	27	4	0	268	182	16	2	0.6	0.08	--	530	371
5-18-65				5.69	1.73	1.17	0.10		4.39	3.79	0.45	0.03					
				65	20	13	1		51	44	5					498	
1S/ 4W-22E 1 S	--	7.9	505	--	--	--	--	--	--	28	46	1.0	--	--	--		
3-19-65										0.58	1.30	0.02					
	78	7.9	510	30	4	70	1	0	178	31	47	0	2.7	0.62	--	290	92
5-18-65				1.50	0.33	3.04	0.03		2.92	0.65	1.33						
				31	7	62	1		60	13	27					274	
	--	7.7	431	--	--	--	--	--	--	50	13	4	--	--	--		
8- 9-65										1.04	0.37	0.06					

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
UPPER SANTA ANA HYDRO SUBUNIT Y01E0																	
BUNKER HILL HYDRO SUBAREA Y01E2																	
1S/ 4W-22L 5 S	--	7.7	436	--	--	--	--	--	--	--	17	9.0	--	--	--		
10- 7-64											0.48	0.15					
	--	7.7	458	--	--	--	--	--	--	52	14	9.0	--	--	--		
3-25-65										1.08	0.39	0.15					
	68	7.6	441	48	10	30	2	0	176	53	16	8	0.9	0.07	--	278	161
5-18-65				2.40	0.82	1.30	0.05		2.88	1.10	0.45	0.13					
				53	18	28	1		63	24	10	3				254	
1S/ 4W-23C 2 S	--	8.0	370	--	--	--	--	--	--	35	19	2	--	--	--		
4- 1-65										0.73	0.54	0.03					
	77	8.0	421	22	2	65	3	0	149	43	26	3	0.9	0.10	--	267	63
5-18-65				1.10	0.16	2.83	0.08		2.44	0.90	0.73	0.05					
				26	4	68	2		59	22	18	1				238	
	--	7.8	396	--	--	--	--	--	--	39	24	2	--	--	--		
8-10-65										0.81	0.68	0.03					
1S/ 4W-23D 2 S	--	8.0	312	--	--	--	--	--	--	16	8	2.0	--	--	--		
3-25-65										0.33	0.23	0.03					
1S/ 4W-23J 1 S	--	7.6	654	--	--	--	--	--	--	82	31	15	--	--	--		
8- 4-65										1.71	0.87	0.24					

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER SANTA ANA HYDRO SUBUNIT Y01E0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
BUNKER HILL HYDRO SUBAREA Y01E2																	
1S/ 4W-23K 2 S	67	7.6	808	--	--	--	--	--	--	--	43	51	--	--	--		
10- 6-64											1.21	0.82					
	68	7.5	843	70	26	73	2	0	312	82	44	48	0.8	0.07	--	527	282
5-17-65				3.49	2.14	3.17	0.05		5.11	1.71	1.24	0.77					
				39	24	36	1		58	19	14	9				499	
	68	7.6	824	68	26	72	3	0	310	81	41	52	0.8	0.06	--	490	277
6-17-65				3.39	2.14	3.13	0.08		5.08	1.69	1.16	0.84					
				39	24	36	1		58	19	13	10				496	
	68	7.6	841	--	--	--	--	--	--	82	44	59	--	--	--		
8- 9-65										1.71	1.24	0.95					
1S/ 4W-23P 3 S	72	7.8	432	--	--	--	--	--	--	27	25	10.0	--	--	--		
3-18-65										0.56	0.71	0.16					
	73	7.7	410	--	--	--	--	--	--	29	20	6	--	--	--		
8- 9-65										0.60	0.56	0.10					
1S/ 4W-24E 1 S	--	8.3	350	45	11	12	2	5	174	16	6	9.0	0.3	0.03	25	220	158
10- 2-64				2.25	0.90	0.52	0.05	0.17	2.85	0.33	0.17	0.15					
				60	24	14	1	5	78	9	5	4				217	
1S/ 4W-25B 2 S	68	7.5	923	74	32	82	3	0	359	102	47	43	0.8	0.24	--	555	316
6-17-65				3.69	2.63	3.57	0.08		5.88	2.12	1.33	0.69					
				37	26	36	1		59	21	13	7				561	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
UPPER SANTA ANA HYDRO SUBUNIT Y01E0																	
BUNKER HILL HYDRO SUBAREA Y01E2																	
1S/ 4W-26F 1 S	--	8.0	547	--	--	--	--	--	--	--	40	3.0	--	--	--		
10- 6-64											1.13	0.05					
	--	7.8	566	--	--	--	--	--	--	43	37	2.0	--	--	--		
3-25-65										0.90	1.04	0.03					
	72	7.9	572	34	7	80	2	0	224	45	38	2	1.0	0.12	--	320	114
5-17-65				1.70	0.58	3.48	0.05		3.67	0.94	1.07	0.03					
				29	10	60	1		64	16	19	1				319	
	--	7.8	558	--	--	--	--	--	--	46	39	2	--	--	--		
8- 9-65										0.96	1.10	0.03					
1S/ 4W-26J 1 S	77	7.8	551	33	4	86	2	0	215	43	41	2	0.8	0.02	--	305	99
6-17-65				1.65	0.33	3.74	0.05		3.52	0.90	1.16	0.03					
				29	6	65	1		63	16	21	1				318	
1S/ 4W-27B 2 S	70	7.6	698	--	--	--	--	--	--	58	52	6.0	--	--	--		
3-18-65										1.21	1.47	0.10					
	--	7.6	693	54	14	73	3	0	262	57	52	8	0.9	0.11	--	410	192
5-18-65				2.69	1.15	3.17	0.08		4.29	1.19	1.47	0.13					
				38	16	45	1		61	17	21	2				391	
	--	7.6	431	--	--	--	--	--	--	62	16	4	--	--	--		
8- 9-65										1.29	0.45	0.06					

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER SANTA ANA HYDRO SUBUNIT Y01E0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
BUNKER HILL HYDRO SUBAREA Y01E2																	
1S/ 4W-29Q 1 S	--	7.4	704	71	15	53	4	0	222	67	60	21.0	0.7	0.28	28	440	239
10- 1-64				3.54	1.23	2.30	0.10		3.64	1.39	1.69	0.34					
				49	17	32	1		52	20	24	5				429	
1S/ 4W-30D 6 S	--	7.8	489	63	14	17	3	0	194	45	9	42.0	0.4	0	25	320	215
10- 2-64				3.14	1.15	0.74	0.08		3.18	0.94	0.25	0.68					
				61	23	14	2		63	19	5	13				314	
1S/ 4W-30L 4 S	--	7.2	1269	171	26	72	5	0	443	108	96	94.0	0.3	0.37	29	830	534
10- 2-64				8.53	2.14	3.13	0.13		7.26	2.25	2.71	1.52					
				61	15	22	1		53	16	20	11				819	
1N/ 3W-31L 3 S	83	8.1	636	43	8	81	14	0	228	86	21	41	1.3	0.29	--	368	141
6-24-65				2.15	0.66	3.52	0.36		3.74	1.79	0.59	0.66					
				32	10	53	5		55	26	9	10				408	
1N/ 3W-33M 1 S	--	7.5	580	58	11	19	5	0	146	48	18	45.5	0.2	0.01	--	352	190
6-24-65				2.89	0.90	0.83	0.13		2.39	1.00	0.51	0.73					
				61	19	17	3		52	22	11	16				276	
1N/ 4W-25A 1 S	71	7.7	529	39	8	61	3	0	159	67	18	39	2.3	0.11	--	308	131
6-24-65				1.95	0.66	2.65	0.08		2.61	1.39	0.51	0.63					
				37	12	50	1		51	27	10	12				316	
1N/ 4W-29E 1 S	66	8.1	457	64	14	13	3	0	234	33	7	15	0.6	0.01	--	291	217
6-16-65				3.19	1.15	0.57	0.08		3.84	0.69	0.20	0.24					
				64	23	11	2		77	14	4	5				265	
	--	7.5	456	63	16	13	3	0	240	30	7	16	0.6	0.08	--	290	223
9-28-65				3.14	1.32	0.57	0.08		3.93	0.62	0.20	0.26					
				61	26	11	2		78	12	4	5				267	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
UPPER SANTA ANA HYDRO SUBUNIT Y01E0 — BUNKER HILL HYDRO SUBAREA Y01E2																	
1N/ 4W-29F 1 S	--	7.4	737	110	23	17	4	0	259	147	20	13.0	0.6	0.32	25	510	369
12- 2-64				5.49	1.89	0.74	0.10		4.24	3.06	0.56	0.21					
				67	23	9	1		53	38	7	3				487	
	--	7.4	1059	158	33	33	6	0	300	293	25	22	0.7	0.68	--	800	530
6-16-65				7.88	2.71	1.43	0.15		4.92	6.10	0.71	0.35					
				65	22	12	1		41	50	6	3				719	
	--	7.2	1168	166	36	48	6	0	311	340	27	28	0.5	0.92	--	910	562
9-28-65				8.28	2.96	2.09	0.15		5.10	7.08	0.76	0.45					
				61	22	16	1		38	53	6	3				805	
1N/ 4W-29L 1 S	--	7.5	605	83	18	16	4	0	239	74	15	36	0.5	0.08	--	415	281
9-28-65				4.14	1.48	0.70	0.10		3.92	1.54	0.42	0.58					
				64	23	11	2		61	24	7	9				364	
1N/ 4W-29P 2 S	--	7.6	477	66	14	12	3	0	234	37	7	10	0.5	0.03	--	280	222
3- 9-65				3.29	1.15	0.52	0.08		3.84	0.77	0.20	0.16					
				65	23	10	2		77	15	4	3				265	
	66	7.6	536	74	17	14	4	0	236	48	14	28	0.7	0.02	--	359	255
6-16-65				3.69	1.40	0.61	0.10		3.87	1.00	0.39	0.45					
				64	24	11	2		68	18	7	8				316	
1N/ 4W-31A 1 S	65	7.4	500	67	16	16	4	0	240	49	10	10	0.8	0.03	--	311	233
6-16-65				3.34	1.32	0.70	0.10		3.93	1.02	0.28	0.16					
				61	24	13	2		73	19	5	3				291	
1N/ 5W-23A 2 S	--	7.6	524	65	15	18	4	0	248	49	12	9	0.6	0.05	--	339	224
3-10-65				3.24	1.23	0.78	0.10		4.06	1.02	0.34	0.15					
				61	23	15	2		73	18	6	3				295	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA ANA RIVER HYDRO UNIT Y0100																	
UPPER SANTA ANA HYDRO SUBUNIT Y01E0																	
BUNKER HILL HYDRO SUBAREA Y01E2																	
1N/ 5W-23A 2 S	--	7.6	500	68	16	19	3	0	256	51	8	8	0.6	0.06	--	310	236
9-28-65				3.39	1.32	0.83	0.08		4.20	1.06	0.23	0.13					
				60	23	15	1		75	19	4	2				299	
2N/ 3W-27D 1 S	--	7.0	261	28	8	12	2	0	127	4	12	6.1	0.2	0.02	--	116	103
5- 4-65				1.40	0.66	0.52	0.05		2.08	0.08	0.34	0.10					
				53	25	20	2		80	3	13	4				135	
REDLANDS HYDRO SUBAREA Y01E3																	
1S/ 3W-13P 2 S	67	7.8	468	64	11	14	3	0	188	38	12	34	0.6	0	--	291	205
6-18-65				3.19	0.90	0.61	0.08		3.08	0.79	0.34	0.55					
				67	19	13	2		65	17	7	12				269	
2S/ 3W- 4E 1 S	--	7.8	773	50	21	90	3	0	330	55	53	20	0.8	0.04	--	475	212
9-29-65				2.50	1.73	3.91	0.08		5.41	1.15	1.49	0.32					
				30	21	48	1		65	14	18	4				455	
MENTONE HYDRO SUBAREA Y01E4																	
1S/ 2W-30B 3 S	--	7.4	674	75	25	31	2	0	254	70	14	82	0.6	0.02	--	455	290
9-29-65				3.74	2.06	1.35	0.05		4.16	1.46	0.39	1.32					
				52	29	19	1		57	20	5	18				424	
1S/ 2W-30E 1 S	--	7.4	592	63	13	53	2	0	301	60	12	8.7	0.6	0.02	--	354	211
9-29-65				3.14	1.07	2.30	0.05		4.93	1.25	0.34	0.14					
				48	16	35	1		74	19	5	2				360	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
UPPER SANTA ANA HYDRO SUBUNIT Y01E0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
RESERVOIR HYDRO SUBAREA Y01E5																	
1S/ 3W-35G 8 S	--	7.5	609	59	19	42	3	0	228	60	18	63	0.6	0.01	--	377	225
9-29-65				2.94	1.56	1.83	0.08		3.74	1.25	0.51	1.02					
				46	24	29	1		57	19	8	16				377	
SANTA ANA CANYON HYDRO SUBAREA Y01E7																	
1S/ 2W- 8C 1 S	64	8.1	480	48	12	41	4	0	212	75	9	6.2	0.6	0	--	272	170
6-23-65				2.40	0.99	1.78	0.10		3.47	1.56	0.25	0.10					
				46	19	34	2		64	29	5	2				300	
MILL CREEK HYDRO SUBAREA Y01E8																	
1S/ 2W- 9P 1 S	66	8.1	575	63	14	26	3	--	207	46	21	27.5	0.6	0.27	--	320	215
6-23-65				3.14	1.15	1.13	0.08		3.39	0.96	0.59	0.44					
				57	21	21	1		63	18	11	8				303	
1S/ 2W-14L 1 S	63	8.3	375	53	9	33	3	16	170	86	7	2.0	0.8	0	--	292	169
6-23-65				2.64	0.74	1.43	0.08	0.53	2.79	1.79	0.20	0.03					
				54	15	29	2	10	52	34	4	1				293	
SYCAMORE HYDRO SUBAREA Y01E9																	
1N/ 5W-23H 1 S	--	7.7	503	61	20	17	3	0	244	58	8	4	0.5	0	--	350	234
9-28-65				3.04	1.64	0.74	0.08		4.00	1.21	0.23	0.06					
				55	30	13	1		73	22	4	1				291	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN TIMOTEO HYDRO SUBUNIT Y01F0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
YUCAIPA HYDRO SUBAREA Y01F1																	
1S/ 2W-34Q 1 S	--	7.9	474	59	13	24	2	0	248	31	14	8.3	0.6	0.02	--	286	201
2- 5-65				2.94	1.07	1.04	0.05		4.06	0.65	0.39	0.13					
				58	21	20	1		78	12	7	2				274	
1S/ 2W-34Q 2 S	--	7.8	464	59	14	24	2	0	240	32	14	8.0	0.6	0.02	--	292	205
2- 5-65				2.94	1.15	1.04	0.05		3.93	0.67	0.39	0.13					
				57	22	20	1		77	13	8	3				272	
2S/ 2W- 4L 1 S	--	7.6	457	58	14	21	2	0	241	35	10	8.4	0.6	0.01	--	279	202
9-29-65				2.89	1.15	0.91	0.05		3.95	0.73	0.28	0.14					
				58	23	18	1		77	14	5	3				267	
2S/ 2W- 8K 2 S	--	7.9	405	33	5	52	2	0	194	32	20	2.5	0.6	0.02	--	250	103
2- 4-65				1.65	0.41	2.26	0.05		3.18	0.67	0.56	0.04					
				38	9	52	1		71	15	13	1				242	
SAN TIMOTEO HYDRO SUBAREA Y01F2																	
2S/ 1W-30E 1 S	68	7.7	399	42	15	17	1	--	207	10	18	6	0.6	0	--	248	167
5- 4-65				2.10	1.23	0.74	0.03		3.39	0.21	0.51	0.10					
				51	30	18	1		81	5	12	2				211	
	64	7.8	398	42	16	17	1	0	207	9	19	5	0.6	0.06	--	212	171
9-30-65				2.10	1.32	0.74	0.03		3.39	0.19	0.54	0.08					
				50	32	18	1		81	5	13	2				211	
2S/ 2W-14M 1 S	76	8.1	396	24	5	54	1	--	168	19	27	3.5	0.7	0	--	234	81
5- 4-65				1.20	0.41	2.35	0.03		2.75	0.40	0.76	0.06					
				30	10	59	1		69	10	19	2				217	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN TIMOTEO HYDRO SUBUNIT Y01F0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
SAN TIMOTEO HYDRO SUBAREA Y01F2																	
2S/ 2W-14M 1 S	74	8.0	398	21	6	52	1	0	166	19	25	2.5	0.7	0	--	192	77
9-30-65				1.05	0.49	2.26	0.03		2.72	0.40	0.71	0.04					
				27	13	59	1		70	10	18	1				209	
2S/ 2W-25D 1 S	66	7.8	416	40	4	25	1	0	224	12	17	5	0.6	0.07	--	231	117
9-30-65				2.00	0.33	1.09	0.03		3.67	0.25	0.48	0.08					
				58	10	32	1		82	6	11	2				215	
2S/ 2W-35D 1 S	64	7.9	378	31	6	44	1	--	189	15	18	0	1.2	0	--	188	102
5- 4-65				1.55	0.49	1.91	0.03		3.10	0.31	0.51						
				39	12	48	1		79	8	13					209	
3S/ 1W- 9Q 1 S	66	8.0	322	31	9	21	2	--	167	1	16	7	0.6	0	--	201	115
5- 4-65				1.55	0.74	0.91	0.05		2.74	0.02	0.45	0.11					
				48	23	28	2		83	1	14	3				170	
	64	8.0	317	31	10	20	2	0	160	3	17	7	0.6	0.07	--	159	119
9-30-65				1.55	0.82	0.87	0.05		2.62	0.06	0.48	0.11					
				47	25	26	2		80	2	15	3				169	
GATEWAY HYDRO SUBAREA Y01F5																	
1S/ 1W-30E 1 S	--	7.9	478	55	10	35	2	0	248	22	8	12	0.5	0.06	--	270	178
2- 5-65				2.74	0.82	1.52	0.05		4.06	0.46	0.23	0.19					
				53	16	30	1		82	9	5	4				266	
1S/ 2W-25KS1 S	--	7.6	568	56	13	55	2	0	283	59	12	8.5	0.8	0.03	--	359	193
9-29-65				2.79	1.07	2.39	0.05		4.64	1.23	0.34	0.14					
				44	17	38	1		73	19	5	2				345	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium No	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN TIMOTEO HYDRO SUBUNIT Y01F0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
SOUTH MESA HYDRO SUBAREA Y01F7																	
1S/ 1W-31H 1 S	--	7.6	483	57	14	28	1	0	243	34	16	12	0.4	0.01	--	276	200
9-29-65				2.84	1.15	1.22	0.03		3.98	0.71	0.45	0.19					
				54	22	23	1		75	13	8	4				282	
2S/ 2W-11F 1 S	--	7.7	468	53	9	34	3	0	243	33	9	7	0.4	0.03	--	292	169
2- 5-65				2.64	0.74	1.48	0.08		3.98	0.69	0.25	0.11					
				53	15	30	2		79	14	5	2				268	
	--	7.5	430	49	10	30	2	0	210	32	17	11	0.7	0.04	--	255	164
9-29-65				2.45	0.82	1.30	0.05		3.44	0.67	0.48	0.18					
				53	18	28	1		72	14	10	4				255	
2S/ 2W-12M 1 S	--	7.8	495	40	12	50	1	0	223	32	25	5.8	1.4	0.03	--	278	150
2- 5-65				2.00	0.99	2.17	0.03		3.65	0.67	0.71	0.09					
				39	19	42	1		71	13	14	2				277	
	--	7.6	480	40	12	48	2	0	230	27	24	8.3	1.0	0.03	--	275	150
9-29-65				2.00	0.99	2.09	0.05		3.77	0.56	0.68	0.13					
				39	19	41	1		73	11	13	3				275	
2S/ 2W-14B 1 S	--	7.5	505	43	12	49	1	0	233	32	25	6.5	1.0	0	--	309	157
2- 4-65				2.15	0.99	2.13	0.03		3.82	0.67	0.71	0.10					
				41	19	40	1		72	13	13	2				284	
	74	7.8	500	37	10	55	1	--	210	40	27	4.5	1.1	0	--	302	134
5- 4-65				1.85	0.82	2.39	0.03		3.44	0.83	0.76	0.07					
				36	16	47	1		67	16	15	1				279	
	72	7.5	495	40	12	50	15	0	200	49	24	11	1.2	0.10	--	290	150
9-30-65				2.00	0.99	2.17	0.38		3.28	1.02	0.68	0.18					
				36	18	39	7		64	20	13	3				301	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN TIMOTEO HYDRO SUBUNIT Y01F0 — SANTA ANA RIVER HYDRO UNIT Y0100																	
SOUTH MESA HYDRO SUBAREA Y01F7																	
2S/ 2W-14C 1 S	--	7.4	523	56	17	36	1	0	288	17	20	9.5	1.0	0.03	--	296	210
9-29-65				2.79	1.40	1.57	0.03		4.72	0.35	0.56	0.15					
				48	24	27	1		82	6	10	3				299	
NOBIE CREEK HYDRO SUBAREA Y01F9																	
2S/ 1W- 1E 1 S	72	7.5	394	46	14	12	2	--	201	27	7	2	0.5	0	--	175	173
4- 7-65				2.30	1.15	0.52	0.05		3.29	0.56	0.20	0.03					
				57	29	13	1		81	14	5	1				209	
2S/ 1W-14N 1 S	72	7.9	424	45	14	19	1	--	183	40	12	7	0.6	0.07	--	183	170
4- 6-65				2.25	1.15	0.83	0.03		3.00	0.83	0.34	0.11					
				53	27	19	1		70	19	8	3				229	
2S/ 1W-22H 1 S	72	7.8	510	55	18	22	1	--	225	37	26	4	0.6	0	--	214	211
4- 7-65				2.74	1.48	0.96	0.03		3.69	0.77	0.73	0.06					
				53	28	18	1		70	15	14	1				274	
2S/ 1W-27B 1 S	72	8.0	532	48	17	37	2	--	230	54	18	6	0.9	0.06	--	236	190
4- 6-65				2.40	1.40	1.61	0.05		3.77	1.12	0.51	0.10					
				44	26	29	1		69	20	9	2				296	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C	TDS Evap 105°C Computed	Total hardness as $CaCO_3$
SAN BERNARDINO MT HYDRO SUBUNIT Y01G0 — SANTA ANA RIVER HYDRO UNIT. Y0100																		
BALDWIN HYDRO SUBAREA Y01G3																		
2N/ 2E-19A 1 S	--	7.0	279	24	15	10	1	0	154	8	6	1.0	0.2	0.03	--	166		122
5-10-65				1.20	1.23	0.43	0.03		2.52	0.17	0.17	0.02						
				42	43	15	1		88	6	6	1					141	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
PERRIS HYDRO SUBUNIT Y02A0 — SAN JACINTO VALLEY HYDRO UNIT Y0200																	
PERRIS VALLEY HYDRO SUBAREA Y02A1																	
2S/ 3W-31N 1 S	56	7.8	1177	89	29	119	4	0	146	312	104	0	0.6	0.14	--	749	341
3-26-65				4.44	2.38	5.17	0.10		2.39	6.50	2.93						
				37	20	43	1		20	55	25					729	
3S/ 3W- 2L 1 S	82	8.1	410	28	5	57	3	0	130	8	49	35	0.2	0.06	--	274	91
5- 6-65				1.40	0.41	2.48	0.08		2.13	0.17	1.38	0.56					
				32	9	57	2		50	4	33	13				249	
3S/ 3W- 2L 2 S	80	8.0	440	28	7	58	4	0	136	5	62	35	0.2	0.05	--	288	99
5- 6-65				1.40	0.58	2.52	0.10		2.23	0.10	1.75	0.56					
				30	13	55	2		48	2	38	12				266	
3S/ 3W-21A 1 S	84	8.1	770	34	13	120	6	0	122	11	207	0	0.8	0.17	--	498	139
5- 3-65				1.70	1.07	5.22	0.15		2.00	0.23	5.84						
				21	13	64	2		25	3	72					452	
3S/ 3W-21A 2 S	75	8.1	980	46	26	130	7	0	148	26	238	23	1.0	1.01	--	664	222
5- 3-65				2.30	2.14	5.65	0.18		2.43	0.54	6.71	0.37					
				22	21	55	2		24	5	67	4				571	
3S/ 3W-22D 1 S	79	7.8	900	47	13	132	5	0	171	43	177	26	1.0	0.92	--	544	171
5- 3-65				2.35	1.07	5.74	0.13		2.80	0.90	4.99	0.42					
				25	12	62	1		31	10	55	5				529	
3S/ 3W-29M 1 S	80	8.0	565	29	6	88	3	0	96	14	123	28	0.6	0.56	--	348	97
5- 6-65				1.45	0.49	3.83	0.08		1.57	0.29	3.47	0.45					
				25	8	65	1		27	5	60	8				339	
	80	8.0	609	27	5	80	3	0	84	17	117	23	0.7	0.52	--	330	88
9-22-65				1.35	0.41	3.48	0.08		1.38	0.35	3.30	0.37					
				25	8	65	2		26	6	61	7				315	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN JACINTO VALLEY HYDRO UNIT Y0200																	
PERRIS HYDRO SUBUNIT Y02A0																	
PERRIS VALLEY HYDRO SUBAREA Y02A1																	
3S/ 3W-32M 1 S	74	7.9	679	44	6	74	3	--	96	22	130	19	0.8	0.64	--	452	135
4-30-65				2.20	0.49	3.22	0.08		1.57	0.46	3.67	0.31					
				37	8	54	1		26	8	61	5				347	
	76	8.0	544	27	4	69	2	0	75	18	105	9	1.4	0.74	--	289	84
9-24-65				1.35	0.33	3.00	0.05		1.23	0.37	2.96	0.15					
				29	7	63	1		26	8	63	3				273	
4S/ 3W- 5E 1 S	72	7.9	1090	99	16	125	5	0	156	44	286	8	0.4	1.00	--	858	313
4-29-65				4.94	1.32	5.44	0.13		2.56	0.92	8.07	0.13					
				42	11	46	1		22	8	69	1				661	
4S/ 3W- 6Q 1 S	72	8.9	506	12	1	87	2	10	49	24	91	8.2	1.2	0.73	--	297	34
3-29-65				0.60	0.08	3.78	0.05	0.33	0.80	0.50	2.57	0.13					
				13	2	84	1	8	18	12	59	3				261	
4S/ 3W- 7J 1 S	73	7.9	1229	95	23	98	4	--	125	25	280	25	0.5	0.68	--	726	332
3-30-65				4.74	1.89	4.26	0.10		2.05	0.52	7.90	0.40					
				43	17	39	1		19	5	73	4				613	
4S/ 3W-16N 1 S	76	7.8	1028	74	16	90	4	0	129	32	214	16	0.6	0.51	--	648	251
3-29-65				3.69	1.32	3.91	0.10		2.11	0.67	6.03	0.26					
				41	15	43	1		23	7	66	3				511	
4S/ 3W-17C 1 S	73	7.7	908	59	13	86	3	--	77	14	214	11	0.5	0.52	--	341	201
3-30-65				2.94	1.07	3.74	0.08		1.26	0.29	6.03	0.18					
				38	14	48	1		16	4	78	2				439	
	66	7.8	1196	88	29	112	2	0	126	272	136	1.8	0.6	0.24	--	755	339
9-24-65				4.39	2.38	4.87	0.05		2.07	5.66	3.84	0.03					
				38	20	42			18	49	33					704	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN JACINTO VALLEY HYDRO UNIT Y0200																	
PERRIS HYDRO SUBUNIT Y02A0																	
PERRIS VALLEY HYDRO SUBAREA Y02A1																	
4S/ 3W-17J 1 S	73	8.2	1759	147	32	141	5	--	162	47	425	13	0.6	0.96	--	984	499
3-30-65				7.34	2.63	6.13	0.13		2.66	0.98	11.99	0.21					
				45	16	38	1		17	6	76	1				891	
	74	7.5	1723	147	33	128	5	0	186	48	398	16	0.6	0.83	--	1264	503
9-24-65				7.34	2.71	5.57	0.13		3.05	1.00	11.22	0.26					
				47	17	35	1		20	6	72	2				868	
4S/ 3W-21F 1 S	75	7.5	1780	183	40	150	4	0	83	46	582	13	0.4	0.43	--	1122	621
5- 3-65				9.13	3.29	6.52	0.10		1.36	0.96	16.41	0.21					
				48	17	34	1		7	5	87	1				1060	
4S/ 3W-21J 2 S	--	7.7	780	74	23	61	4	0	256	19	120	17	0.4	0.12	--	556	279
4-29-65				3.69	1.89	2.65	0.10		4.20	0.40	3.38	0.27					
				44	23	32	1		51	5	41	3				444	
4S/ 3W-26C 1 S	81	7.4	16620	1314	230	2262	22	0	114	643	5960	11	0.9	7.90	--	11620	4228
9-30-65				65.57	18.92	98.35	0.56		1.87	13.39	168.07	0.18					
				36	10	54			1	7	92					10507	
4S/ 3W-26F 1 S	77	7.5	5945	419	100	653	12	0	112	244	1770	8	0.4	2.50	--	3763	1458
3-29-65				20.91	8.22	28.39	0.31		1.84	5.08	49.91	0.13					
				36	14	49	1		3	9	88					3264	
	80	7.6	6341	458	109	717	9	0	126	297	1947	14	0.4	3.10	--	4375	1592
9-24-65				22.85	8.96	31.18	0.23		2.07	6.18	54.91	0.23					
				36	14	49			3	10	87					3616	
4S/ 3W-26F 2 S	81	7.4	8400	818	112	1225	25	0	116	358	3316	0	0.2	1.54	--	7270	2504
4-29-65				40.82	9.21	53.26	0.64		1.90	7.45	93.51						
				39	9	51	1		2	7	91					5913	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN JACINTO VALLEY HYDRO UNIT Y0200																	
PERRIS HYDRO SUBUNIT Y02A0																	
PERRIS VALLEY HYDRO SUBAREA Y02A1																	
4S/ 3W-26J 1 S	80	8.3	1783	68	4	260	4	5	55	40	465	10	0.4	0.52	--	1040	186
3-29-65				3.39	0.33	11.30	0.10	0.17	0.90	0.83	13.11	0.16					
				22	2	75	1	1	6	5	86	1				884	
	82	7.8	1550	77	4	285	6	0	83	40	505	7	0.4	0.58	--	1082	209
4-29-65				3.84	0.33	12.39	0.15		1.36	0.83	14.24	0.11					
				23	2	74	1		8	5	86	1				966	
	80	8.1	1737	67	3	262	4	0	62	36	472	10	0.5	0.53	--	1066	180
9-24-65				3.34	0.25	11.39	0.10		1.02	0.75	13.31	0.16					
				22	2	76	1		7	5	87	1				885	
4S/ 3W-26Q 1 S	82	7.5	2600	121	2	505	8	0	45	37	961	4	0.2	0.55	--	1934	310
4-29-65				6.04	0.16	21.96	0.20		0.74	0.77	27.10	0.06					
				21	1	77	1		3	3	95					1661	
4S/ 3W-27D 2 S	--	7.8	1180	59	51	130	6	0	153	333	115	1	0.4	0.10	--	800	357
4-29-65				2.94	4.19	5.65	0.15		2.51	6.93	3.24	0.02					
				23	32	44	1		20	55	26					771	
4S/ 3W-28H 1 S	--	7.5	2800	339	62	235	4	0	326	169	805	18	0.2	0.37	--	2244	1102
5- 3-65				16.92	5.10	10.22	0.10		5.34	3.52	22.70	0.29					
				52	16	32			17	11	71	1				1793	
4S/ 3W-34E 1 S	--	6.9	3448	26	9	690	5	0	207	247	835	3	1.1	1.70	12	1955	102
11-12-64				1.30	0.74	30.00	0.13		3.39	5.14	23.55	0.05					
				4	2	93			11	16	73					1932	
	73	6.4	4000	86	10	880	10	0	87	327	1262	0	0.6	1.60	--	2690	256
4-29-65				4.29	0.82	38.26	0.26		1.43	6.81	35.59						
				10	2	88	1		3	16	81					2620	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
PERRIS HYDRO SUBUNIT Y02A0 — SAN JACINTO VALLEY HYD.. UNIT Y0200																	
PERRIS VALLEY HYDRO SUBAREA Y02A1																	
5S/ 2W-17C 1 S	63	7.7	653	49	14	60	4	0	230	27	60	26	0.5	0.13	--	406	180
3-29-65				2.45	1.15	2.61	0.10		3.77	0.56	1.69	0.42					
				39	18	41	2		59	9	26	7				354	
	64	7.8	664	51	16	61	4	0	226	26	62	35	0.6	0.09	--	438	193
9-27-65				2.54	1.32	2.65	0.10		3.70	0.54	1.75	0.56					
				38	20	40	2		56	8	27	9				367	
5S/ 3W- 2D 1 S	83	7.4	4000	425	61	360	16	0	124	38	1394	6	0.4	0.60	--	3030	1313
4-29-65				21.21	5.02	15.65	0.41		2.03	0.79	39.31	0.10					
				50	12	37	1		5	2	93					2362	
5S/ 3W- 3R 1 S	81	8.5	1040	94	12	156	4	6	62	14	359	4	0.8	0.51	--	734	284
4-29-65				4.69	0.99	6.78	0.10	0.20	1.02	0.29	10.12	0.06					
				37	8	54	1	2	9	2	87	1				681	
MENIFEE HYDRO SUBAREA Y02A2																	
5S/ 3W-21D 2 S	68	8.2	1180	90	31	112	5	0	151	312	105	0	0.6	0.19	--	744	352
3-30-65				4.49	2.55	4.87	0.13		2.47	6.50	2.96						
				37	21	40	1		21	54	25					730	
	78	7.6	2030	216	51	96	6	0	140	81	517	29	0.3	0.05	--	1870	749
9-24-65				10.78	4.19	4.17	0.15		2.29	1.69	14.58	0.47					
				56	22	22	1		12	9	77	2				1065	
5S/ 3W-36D 2 S	--	7.1	1460	118	47	120	5	0	130	267	261	8	0.2	0.10	--	1116	488
11- 5-64				5.89	3.87	5.22	0.13		2.13	5.56	7.36	0.13					
				39	26	35	1		14	37	48	1				890	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
PERRIS HYDRO SUBUNIT Y02A0 — SAN JACINTO VALLEY HYDRO UNIT Y0200																	
MENIFEE HYDRO SUBAREA Y02A2																	
5S/ 3W-36D 2 S	59	7.4	1300	103	39	117	5	0	141	236	213	8	0.4	0.12	--	868	418
5- 4-65				5.14	3.21	5.09	0.13		2.31	4.91	6.01	0.13					
				38	24	38	1		17	37	45	1				791	
5S/ 3W-36Q 1 S	72	6.5	1483	127	44	108	5	0	309	163	220	15	0.4	0.12	--	960	498
3-30-65				6.34	3.62	4.70	0.13		5.06	3.39	6.20	0.24					
				43	24	32	1		34	23	42	2				834	
6S/ 2W- 6E 1 S	--	7.1	1060	82	27	105	6	0	281	97	147	6	0.4	0.12	--	694	316
5- 4-65				4.09	2.22	4.57	0.15		4.61	2.02	4.15	0.10					
				37	20	41	1		42	19	38	1				609	
6S/ 2W- 6P 1 S	74	6.9	1235	98	35	104	5	0	366	151	123	9	0.6	0.09	--	755	389
3-30-65				4.89	2.88	4.52	0.13		6.00	3.14	3.47	0.15					
				39	23	36	1		47	25	27	1				706	
6S/ 2W- 7A 1 S	--	7.0	1320	105	41	120	5	0	283	228	147	15	0.2	0.12	--	912	431
11- 5-64				5.24	3.37	5.22	0.13		4.64	4.75	4.15	0.24					
				38	24	37	1		34	34	30	2				800	
6S/ 3W- 1D 1 S	64	7.8	1110	66	46	108	7	0	230	177	155	0	0.2	0.17	--	740	354
5- 4-65				3.29	3.78	4.70	0.18		3.77	3.69	4.37						
				28	32	39	2		32	31	37					672	
6S/ 3W- 2F 1 S	--	6.9	590	47	17	52	3	0	133	60	80	21	0.2	0.05	--	416	188
11- 5-64				2.35	1.40	2.26	0.08		2.18	1.25	2.26	0.34					
				39	23	37	1		36	21	37	6				346	
	--	7.3	595	51	14	56	3	0	140	53	84	19	0.2	0.22	--	418	185
5- 4-65				2.54	1.15	2.43	0.08		2.29	1.10	2.37	0.31					
				41	19	39	1		38	18	39	5				349	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN JACINTO VALLEY HYDRO UNIT Y0200																	
PERRIS HYDRO SUBUNIT Y02A0																	
MENIFEE HYDRO SUBAREA Y02A2																	
6S/ 3W-16C 1 S	70	7.6	1655	140	60	106	3	0	317	99	300	42	0.5	0.09	--	1153	596
9-27-65				6.99	4.93	4.61	0.08		5.20	2.06	8.46	0.68					
				42	30	28			32	13	52	4				906	
6S/ 3W-20B 1 S	60	7.3	602	48	17	45	2	0	206	31	61	13	0.4	0.08	--	312	190
3-30-65				2.40	1.40	1.96	0.05		3.38	0.65	1.72	0.21					
				41	24	34	1		57	11	29	4				319	
	70	7.4	603	49	17	45	2	0	198	29	65	15	0.4	0.04	--	382	193
9-27-65				2.45	1.40	1.96	0.05		3.25	0.60	1.83	0.24					
				42	24	33	1		55	10	31	4				320	
WINCHESTER HYDRO SUBAREA Y02A3																	
5S/ 2W- 3M 1 S	70	7.5	662	48	17	59	5	0	267	24	48	23	0.6	0.16	--	376	190
3-29-65				2.40	1.40	2.57	0.13		4.38	0.50	1.35	0.37					
				37	22	40	2		66	8	20	6				356	
	70	7.6	829	64	23	74	6	0	296	39	75	36	0.5	0.21	--	502	254
9-27-65				3.19	1.89	3.22	0.15		4.85	0.81	2.12	0.58					
				38	22	38	2		58	10	25	7				463	
5S/ 2W-19N 1 S	76	6.9	675	45	11	63	3	0	115	37	105	25	0.2	0.09	--	458	158
3-30-65				2.25	0.90	2.74	0.08		1.88	0.77	2.96	0.40					
				38	15	46	1		31	13	49	7				346	
	76	7.0	755	57	13	69	3	0	134	36	113	50	0.3	0.02	--	530	196
9-27-65				2.84	1.07	3.00	0.08		2.20	0.75	3.19	0.81					
				41	15	43	1		32	11	46	12				407	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN JACINTO VALLEY HYDRO UNIT Y0200																	
PERRIS HYDRO SUBUNIT Y02A0																	
WINCHESTER HYDRO SUBAREA Y02A3																	
5S/ 2W-25C 1 S	70	7.9	1480	100	42	167	7	0	117	269	299	12	0.1	0.95	--	980	422
5- 4-65				4.99	3.45	7.26	0.18		1.92	5.60	8.43	0.19					
				31	22	46	1		12	35	52	1				955	
5S/ 2W-26H 3 S	--	7.3	2571	244	57	210	7	0	98	296	630	5	0.5	0.60	12	1650	844
11- 9-64				12.18	4.69	9.13	0.18		1.61	6.16	17.77	0.08					
				47	18	35	1		6	24	69					1510	
5S/ 2W-27P 1 S	--	7.6	10000	986	362	1310	22	0	176	2040	3308	0	0.1	1.36	--	8596	3952
5- 4-65				49.20	29.77	56.96	0.56		2.88	42.47	93.29						
				36	22	42			2	31	67					8116	
5S/ 2W-29N 1 S	70	6.9	3000	234	75	355	14	0	315	512	645	0	0.1	1.08	--	2026	893
5- 5-65				11.68	6.17	15.44	0.36		5.16	10.66	18.19						
				35	18	46	1		15	31	53					1991	
5S/ 2W-31H 1 S	64	6.6	1550	84	64	175	6	0	643	40	180	33	0.1	0.17	--	960	473
5- 4-65				4.19	5.26	7.61	0.15		10.54	0.83	5.08	0.53					
				24	31	44	1		62	5	30	3				898	
5S/ 2W-33E 1 S	--	7.9	460	28	11	60	2	0	127	27	71	10	0.2	0.06	--	328	115
5- 5-65				1.40	0.90	2.61	0.05		2.08	0.56	2.00	0.16					
				28	18	53	1		43	12	42	3				272	
5S/ 2W-36D 1 S	70	7.8	1550	111	63	137	7	0	173	301	256	15	0.1	0.31	--	1034	536
5- 6-65				5.54	5.18	5.96	0.18		2.84	6.27	7.22	0.24					
				33	31	35	1		17	38	44	1				975	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN JACINTO VALLEY HYDRO UNIT Y0200																	
PERRIS HYDRO SUBUNIT Y02A0																	
LAKEVIEW HYDRO SUBAREA Y02A4																	
3S/ 2W-32R 1 S	93	8.5	760	5	1	177	3	3	76	11	224	0	1.4	2.64	--	492	17
4-30-65				0.25	0.08	7.70	0.08	0.10	1.25	0.23	6.32						
				3	1	95	1	1	16	3	80					465	
4S/ 2W- 9M 1 S	74	7.9	842	41	13	108	4	--	131	111	120	3.5	0.5	1.30	--	537	156
4-30-65				2.05	1.07	4.70	0.10		2.15	2.31	3.38	0.06					
				26	14	59	1		27	29	43	1				467	
4S/ 2W-11E 2 S	--	7.6	1360	48	14	252	3	0	173	248	220	5	0.8	0.64	--	882	178
4-30-65				2.40	1.15	10.96	0.08		2.84	5.16	6.20	0.08					
				16	8	75	1		20	36	43	1				876	
4S/ 3W-13D 1 S	74	7.9	758	48	15	74	4	0	134	12	152	5	0.3	0.50	--	488	182
9-24-65				2.40	1.23	3.22	0.10		2.20	0.25	4.29	0.08					
				35	18	46	1		32	4	63	1				377	
4S/ 3W-25D 2 S	80	7.7	3000	293	79	270	10	0	151	192	918	8	0.2	1.33	--	2402	1057
4-29-65				14.62	6.50	11.74	0.26		2.47	4.00	25.89	0.13					
				44	20	35	1		8	12	80					1846	
	78	8.0	2798	220	58	244	7	0	118	168	741	5	0.3	1.70	--	1965	788
9-30-65				10.98	4.77	10.61	0.18		1.93	3.50	20.90	0.08					
				41	18	40	1		7	13	79					1503	
HEMET HYDRO SUBAREA Y02A5																	
5S/ 1E-20D 1 S	68	7.8	1048	97	30	80	9	0	221	197	92	43	0.7	0.11	--	659	366
9-29-65				4.84	2.47	3.48	0.23		3.62	4.10	2.59	0.69					
				44	22	32	2		33	37	24	6				657	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
PERRIS HYDRO SUBUNIT Y02A0 — SAN JACINTO VALLEY HYDRO UNIT Y0200																	
HEMET HYDRO SUBAREA Y02A5																	
4S/ 1W-31D 2 S	70	7.8	1550	86	21	199	6	--	141	263	246	5	0.8	0.96	--	981	301
4-30-65				4.29	1.73	8.65	0.15		2.31	5.48	6.94	0.08					
				29	12	58	1		16	37	47	1				897	
	70	8.0	1574	90	23	206	8	0	140	270	261	5	0.9	1.20	--	971	319
9-30-65				4.49	1.89	8.96	0.20		2.29	5.62	7.36	0.08					
				29	12	58	1		15	37	48	1				934	
4S/ 2W-36A 1 S	--	7.8	2820	--	--	--	--	0	305	--	391	--	--	--	--		336
12- 9-64									5.00		11.03						
4S/ 2W-36J 1 S	70	8.1	640	14	3	130	5	--	291	47	32	2	1.1	0.78	--	434	48
4-30-65				0.70	0.25	5.65	0.13		4.77	0.98	0.90	0.03					
				10	4	84	2		71	15	13					378	
5S/ 1W- 5B 1 S	76	8.1	850	38	2	152	7	0	87	173	128	12	0.4	0.36	--	548	103
5- 6-65				1.90	0.16	6.61	0.18		1.43	3.60	3.61	0.19					
				21	2	75	2		16	41	41	2				555	
5S/ 1W-13C 1 S	72	8.0	987	99	25	75	8	0	209	226	67	24	0.9	0.12	--	678	350
9-29-65				4.94	2.06	3.26	0.20		3.43	4.71	1.89	0.39					
				47	20	31	2		33	45	18	4				628	
5S/ 1W-15D 1 S	76	7.9	1380	114	56	108	7	0	142	360	145	82	0.2	0.11	--	982	515
5- 5-65				5.69	4.61	4.70	0.18		2.33	7.50	4.09	1.32					
				37	30	31	1		15	49	27	9				942	
5S/ 1W-20B 1 S	76	7.9	938	88	18	81	6	--	170	215	70	16	0.5	0.05	--	634	294
4-29-65				4.39	1.48	3.52	0.15		2.79	4.48	1.97	0.26					
				46	16	37	2		29	47	21	3				578	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp. when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SAN JACINTO VALLEY HYDRO UNIT Y0200																	
PERRIS HYDRO SUBUNIT Y02A0																	
HEMET HYDRO SUBAREA Y02A5																	
5S/ 1W-20B 1 S	76	7.8	941	87	19	81	6	0	172	211	71	17	0.4	0.06	--	623	295
9-27-65				4.34	1.56	3.52	0.15		2.82	4.39	2.00	0.27					
				45	16	37	2		30	46	21	3				577	
5S/ 1W-21A 1 S	74	7.7	706	58	14	63	5	0	165	85	72	17	0.5	0.04	--	425	202
9-29-65				2.89	1.15	2.74	0.13		2.70	1.77	2.03	0.27					
				42	17	40	2		40	26	30	4				396	
5S/ 1W-27L 1 S	68	7.8	708	45	13	76	4	--	163	46	89	38	0.5	0.10	--	431	166
4-29-65				2.25	1.07	3.30	0.10		2.67	0.96	2.51	0.61					
				33	16	49	1		40	14	37	9				392	
	68	7.9	724	47	15	77	4	0	167	46	91	42	0.6	0.11	--	438	179
9-29-65				2.35	1.23	3.35	0.10		2.74	0.96	2.57	0.68					
				33	17	48	1		39	14	37	10				405	
5S/ 2W- 1A 1 S	--	7.6	700	49	13	80	14	0	187	90	80	7	0.2	0.22	--	434	176
5- 3-65				2.45	1.07	3.48	0.36		3.06	1.87	2.26	0.11					
				33	15	47	5		42	26	31	2				425	
5S/ 2W-12Q 2 S	70	8.0	880	39	40	89	6	0	253	69	105	39	0.2	0.11	--	578	262
5- 6-65				1.95	3.29	3.87	0.15		4.15	1.44	2.96	0.63					
				21	36	42	2		45	16	32	7				512	
5S/ 2W-13P 1 S	--	7.7	5208	305	51	770	13	0	83	551	1425	5	0.9	7.80	12	3310	971
11- 9-64				15.22	4.19	33.48	0.33		1.36	11.47	40.19	0.08					
				29	8	63	1		3	22	76					3182	
5S/ 2W-24R 1 S	79	7.9	1950	120	67	213	7	0	178	257	428	19	0.1	1.22	--	1360	575
5- 4-65				5.99	5.51	9.26	0.18		2.92	5.35	12.07	0.31					
				29	26	44	1		14	26	58	2				1200	

TABLE E-1

ANALYSES OF GROUND WATER
SANTA ANA DRAINAGE PROVINCE (Y)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN JACINTO HYDRO SUBUNIT Y02B0 / SAN JACINTO HYDRO SUBAREA Y02B1																SAN JACINTO VALLEY HYDRO UNIT Y0200	
5S/ 1E- 5M 2 S	76	8.4	340	25	3	46	2	8	136	23	19	2	0.7	0.09	--	163	75
9-29-65				1.25	0.25	2.00	0.05	0.27	2.23	0.48	0.54	0.03					
				35	7	56	1	8	63	14	15	1				196	
5S/ 1E- 9J 1 S	64	7.9	537	51	7	50	4	0	189	75	27	3.6	0.5	0.03	--	309	156
5- 7-65				2.54	0.58	2.17	0.10		3.10	1.56	0.76	0.06					
				47	11	40	2		57	28	14	1				311	
5S/ 1E-14G 1 S	84	8.0	529	25	12	78	2	--	248	27	24	5	1.8	0.19	--	313	112
4-29-65				1.25	0.99	3.39	0.05		4.06	0.56	0.68	0.08					
				22	17	60	1		5	10	13	1				297	
	80	7.8	1087	37	14	185	4	0	173	297	59	3	4.3	0.35	--	667	150
9-29-65				1.85	1.15	8.04	0.10		2.84	6.18	1.66	0.05					
				17	10	72	1		26	58	15					689	
3S/ 2W- 7P 1 S	76	8.5	932	5	3	204	3	17	340	20	96	12	3.5	0.62	--	532	25
9-30-65				0.25	0.25	8.87	0.08	0.57	5.57	0.42	2.71	0.19					
				3	3	94	1	6	59	4	29	2				531	
5S/ 1W- 1C 1 S	68	7.9	404	46	4	30	4	--	171	37	17	1	0.4	0	--	247	132
4-30-65				2.30	0.33	1.30	0.10		2.80	0.77	0.48	0.02					
				57	8	32	2		69	19	12					223	
	66	8.0	386	46	5	28	4	0	172	32	18	1	0.4	0.07	--	200	136
9-29-65				2.30	0.41	1.22	0.10		2.82	0.67	0.51	0.02					
				57	10	30	2		70	17	13					219	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LAGUNA HYDRO SUBUNIT				Z01A0					SAN JUAN HYDRO UNIT		Z0100						
ALISO HYDRO SUBAREA				Z01A3													
6S/ 8W-26B 2 S 11-13-64	63	7.4	1392	102 5.09 36	36 2.96 21	140 6.09 43	5 0.13 1	0	356 5.83 39	246 5.12 35	137 3.86 26	0.0	0.3	0.09	40	921 881	403
7S/ 8W-16Q 2 S 11-13-64	80	8.3	1993	4 0.20 1	2 0.16 1	435 18.91 97	8 0.20 1	34 1.13 6	549 9.00 45	88 1.83 9	291 8.21 41	0	1.0	44.00	30	1178 1167	18
7S/ 8W-32L 2 S 10-27-64	--	7.2	5350	--	--	--	--	0	468 7.67	--	793 22.36	--	--	--	--		
4-27-65	--	7.6	4960	--	--	--	--	0	446 7.31	--	750 21.15	--	--	--	--		

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN JUAN HYDRO SUBUNIT Z01B0 — SAN JUAN HYDRO UNIT Z0100																	
6S/ 7W-11N 2 S	--	7.6	884	117	27	30	3	0	259	213	29	2.2	0.1	0.04	17	603	403
11-12-64				5.84	2.22	1.30	0.08		4.25	4.43	0.82	0.04					
				62	24	14	1		45	46	9					566	
7S/ 7W-19D 2 S	--	7.4	711	88	19	34	3	0	242	127	28	1.8	0.5	0.04	30	498	298
11-30-64				4.39	1.56	1.48	0.08		3.97	2.64	0.79	0.03					
				58	21	20	1		53	36	11					450	
7S/ 7W-32R 1 S	62	7.6	1412	70	21	192	4	0	278	213	181	0.2	0.8	0.33	26	870	261
11-13-64				3.49	1.73	8.35	0.10		4.56	4.43	5.10						
				26	13	61	1		32	31	36					845	
	64	7.4	1495	--	--	--	--	0	288	--	198	--	--	--	--		
5-14-65									4.72		5.58						
7S/ 7W-36A 1 S	65	7.3	807	81	21	47	4	0	217	123	65	7.1	0.5	0.06	33	510	289
11-18-64				4.04	1.73	2.04	0.10		3.56	2.56	1.83	0.11					
				51	22	26	1		44	32	23	1				488	
	--	7.3	807	--	--	--	--	0	211	--	67	--	--	--	--		
5-14-65									3.46		1.89						
7S/ 8W- 1D 1 S	64	7.4	2033	158	50	208	4	0	359	386	262	0.0	0.4	0.10	24	1244	600
11-13-64				7.88	4.11	9.04	0.10		5.88	8.04	7.39						
				37	19	43			28	38	35					1269	
	68	7.4	1936	--	--	--	--	0	232	--	269	--	--	--	--		
5-14-65									3.80		7.59						

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN JUAN HYDRO SUBUNIT Z0180				SAN JUAN HYDRO UNIT Z0100													
7S/ 8W-25B 4 S 5-13-65	66	7.4	854	106 5.29 56	23 1.89 20	41 1.78 19	21 0.54 6	0	246 4.03 44	166 3.46 38	53 1.49 16	6 0.10 1	0.3	0.05	25	597 562	359
8S/ 7W- 6H 1 S 5-14-65	--	7.3	2163	226 11.28 45	61 5.02 20	200 8.70 35	4 0.10	0	313 5.13 20	671 13.97 56	214 6.03 24	0	0.4	0.36	26	1636 1557	816
8S/ 7W- 6H 3 S 11-13-64	65	7.0	2096	223 11.13 47	67 5.51 23	160 6.96 29	5 0.13 1	0	261 4.28 18	687 14.30 60	193 5.44 23	0.0	0.4	0.24	31	1585 1495	833
8S/ 7W- 7C 3 S 11-30-64	--	7.3	5083	480 23.95 38	160 13.16 21	598 26.00 41	10 0.26	0	377 6.18 10	1830 38.10 59	704 19.85 31	0	--	0.49	27	4291 3995	1857
8S/ 8W- 1L 1 S 11-30-64	--	7.1	1667	214 10.68 59	42 3.45 19	90 3.91 22	4 0.10 1	0	281 4.61 25	449 9.35 51	152 4.29 23	13 0.21 1	0.4	0.07	24	1223 1127	707
8S/ 8W-12L 4 S 11-30-64	--	7.4	1613	208 10.38 56	42 3.45 19	104 4.52 24	4 0.10 1	0	354 5.80 32	425 8.85 48	132 3.72 20	0	0.5	0.10	33	1191 1123	692
 5-13-65	67	7.5	1666	-- 	-- 	-- 	-- 	0	354 5.80	-- 	138 3.89	--	--	--	--	 	
8S/ 8W-12P 2 S 5-14-65	66	7.3	2096	260 12.97 54	60 4.93 21	137 5.96 25	4 0.10	0	390 6.39 26	623 12.97 53	182 5.13 21	0	0.3	0.24	25	1599 1483	896

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SAN JUAN HYDRO SUBUNIT Z0180				SAN JUAN HYDRO UNIT Z0100													
8S/ 8W-14H 2 S 11-30-64	--	7.2	1918	312 15.57 72	13 1.07 5	114 4.96 23	6 0.15 1	0	353 5.79 27	500 10.41 48	185 5.22 24	16 0.26 1	0.5	0.06	19	1401 1339	833
8S/ 8W-14H 4 S 5-13-65	69	7.2	2163	274 13.67 53	66 5.43 21	156 6.78 26	4 0.10	0	438 7.18 28	641 13.35 52	190 5.36 21	0	0.4	0.11	19	1676 1566	956
8S/ 8W-14Q 1 S 6-28-65	--	7.3	4840	481 24.00 43	140 11.51 21	470 20.44 36	6 0.15	0	432 7.08 13	1096 22.82 41	923 26.03 47	0	--	--	21	3550 3349	1777

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C	TDS Evap 105°C Computed	Total hardness as $CaCO_3$
SAN CLEMENTE HYDRO SUBUNIT Z01C0 — SAN JUAN HYDRO UNIT Z0100																		
9S/ 7W-10A 1 S 11-23-64	77	7.4	780	54 2.69 32	26 2.14 25	81 3.52 42	3 0.08 1	0	190 3.11 38	114 2.37 29	99 2.79 34	0.0	0.6	0.14	--	630 471	242
9S/ 7W-10A 2 S 11-23-64	--	7.4	920	65 3.24 33	26 2.14 22	99 4.30 44	3 0.08 1	0	192 3.15 33	134 2.79 29	128 3.61 38	0.0	0.4	0.20	--	610 550	269
9S/ 7W-10A 3 S 11-23-64	78	7.2	880	61 3.04 33	29 2.38 26	84 3.65 40	4 0.10 1	0	203 3.33 37	153 3.19 35	89 2.51 28	0.0	0.4	0.14	--	572 520	271
9S/ 7W-10H 1 S 11-23-64	77	7.4	760	46 2.30 30	24 1.97 25	78 3.39 44	4 0.10 1	0	212 3.47 45	94 1.96 26	78 2.20 29	0.0	0.2	0.15	--	466 429	214

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN MATEO HYDRO SUBUNIT Z01D0				SAN JUAN HYDRO UNIT Z0100													
9S/ 7W-11A 1 S 11-23-64	68	6.7	720	61 3.04 39	20 1.64 21	69 3.00 39	1 0.03	0	191 3.13 41	95 1.98 26	82 2.31 30	10 0.16 2	0.1	0.12	--	464 432	234
9S/ 7W-14G 1 S 11-23-64	67	7.7	940	73 3.64 37	31 2.55 26	84 3.65 37	2 0.05 1	0	219 3.59 37	126 2.62 27	119 3.36 34	12 0.19 2	0.1	0.07	--	622 555	310

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA MARGARITA HYDRO UNIT Z0200																	
MURRIETA HYDRO SUBUNIT Z02C0																	
WILDOMAR HYDRO SUBAREA Z02C1																	
6S/ 4W-34J 2 S	--	7.8	1271	100	34	125	7	0	129	377	127	1	1.6	0.18	5	880	390
12- 2-64				4.99	2.80	5.44	0.18		2.11	7.85	3.58	0.02					
				37	21	41	1		16	58	26					841	
MURRIETA HYDRO SUBAREA Z02C2																	
7S/ 3W-14J 5 S	120	9.1	1269	8	0	243	4	26	18	17	342	3	5.0	3.50	60	700	20
12- 2-64				0.40		10.57	0.10	0.87	0.30	0.35	9.64	0.05					
				4		95	1	8	3	3	86					720	
7S/ 3W-21D 2 S	--	7.9	697	64	15	58	1	0	245	23	81	16	0.4	0.05	50	442	221
12- 2-64				3.19	1.23	2.52	0.03		4.02	0.48	2.28	0.26					
				46	18	36			57	7	32	4				429	
8S/ 3W-12C 1 S	--	7.6	298	17	4	33	1	0	93	5	32	11	0.3	0.04	38	193	59
12- 2-64				0.85	0.33	1.43	0.03		1.52	0.10	0.90	0.18					
				32	13	54	1		56	4	33	7				187	
8S/ 3W-12N 5 S	--	7.9	1019	51	19	132	2	0	225	88	159	3	0.5	0.18	21	590	205
12- 2-64				2.54	1.56	5.74	0.05		3.69	1.83	4.48	0.05					
				26	16	58	1		37	18	45					586	
8S/ 3W-13K 1 S	64	7.4	799	44	15	94	2	0	188	59	110	8	0.3	0.07	--	445	172
6- 2-65				2.20	1.23	4.09	0.05		3.08	1.23	3.10	0.13					
				29	16	54	1		41	16	41	2				425	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
MURRIETA HYDRO SUBUNIT Z02C0 — SANTA MARGARITA HYDRO UNIT Z0200																	
FRENCH HYDRO SUBAREA Z02C3																	
6S/ 2W-28G 3 S	68	7.6	975	79	19	93	3	0	189	168	110	4	0.7	0.09	47	642	275
12- 2-64				3.94	1.56	4.04	0.08		3.10	3.50	3.10	0.06					
				41	16	42	1		32	36	32	1				617	
DOMENIGONI HYDRO SUBAREA Z02C5																	
6S/ 2W- 3R 2 S	--	7.2	1390	128	37	116	5	0	311	215	181	9	0.5	0.12	53	938	472
12- 2-64				6.39	3.04	5.04	0.13		5.10	4.48	5.10	0.15					
				44	21	35	1		34	30	34	1				898	
6S/ 2W-10D 2 S	--	7.6	1180	103	30	102	5	0	279	181	128	20	0.5	0.11	52	787	381
12- 2-64				5.14	2.47	4.43	0.13		4.57	3.77	3.61	0.32					
				42	20	36	1		37	31	29	3				759	
DIAMOND HYDRO SUBAREA Z02C6																	
6S/ 1W- 4J 1 S	82	7.8	613	44	13	62	3	--	183	65	51	20	0.4	0.07	--	384	164
4-29-65				2.20	1.07	2.70	0.08		3.00	1.35	1.44	0.32					
				36	18	45	1		49	22	24	5				348	
	74	7.7	595	45	12	60	3	0	181	65	52	20	0.4	0.11	--	361	162
9-29-65				2.25	0.99	2.61	0.08		2.97	1.35	1.47	0.32					
				38	17	44	1		49	22	24	5				346	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C	TDS Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA MARGARITA HYDRO UNIT Z0200																		
AULD HYDRO SUBUNIT Z02D0																		
AULD HYDRO SUBAREA Z02D1																		
7S/ 2W-10D 1 S	--	7.9	1407	78	39	166	2	0	339	157	198	10	0.7	0.12	40	872		355
12- 2-64				3.89	3.21	7.22	0.05		5.56	3.27	5.58	0.16						
				27	22	50			38	22	38	1				857		
7S/ 3W-24A 1 S	--	7.8	508	25	6	67	2	0	136	25	65	14	0.8	0.14	25	300		87
12- 2-64				1.25	0.49	2.91	0.05		2.23	0.52	1.83	0.23						
				27	10	62	1		46	11	38	5				297		
GERTRUDIS HYDRO SUBAREA Z02D2																		
7S/ 3W-35B 1 S	--	7.8	620	16	1	108	2	0	121	34	107	2	0.8	0.49	17	343		44
12- 2-64				0.80	0.08	4.70	0.05		1.98	0.71	3.02	0.03						
				14	1	83	1		34	12	53	1				348		
TUCALOTA HYDRO SUBAREA Z02D4																		
7S/ 1W-12H 1 S	--	7.0	1132	86	40	91	6	0	272	185	126	1	0.8	0.08	47	786		379
12- 2-64				4.29	3.29	3.96	0.15		4.46	3.85	3.55	0.02						
				37	28	34	1		38	32	30					717		

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA MARGARITA HYDRO UNIT Z0200																	
PECHANGA HYDRO SUBUNIT Z02E0																	
PECHANGA HYDRO SUBAREA Z02E2																	
8S/ 2W-20B 4 S	--	7.7	1093	87	22	115	4	0	246	191	116	0	0.5	0.15	22	660	308
12- 2-64				4.34	1.81	5.00	0.10		4.03	3.98	3.27						
				39	16	44	1		36	35	29					679	
8S/ 2W-28M 1 S	69	8.0	439	10	2	76	1	0	93	15	70	0	5.3	0.66	12	247	33
12- 2-64				0.50	0.16	3.30	0.03		1.52	0.31	1.97						
				13	4	83	1		40	8	52					238	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA MARGARITA HYDRO UNIT Z0200																	
WILSON HYDRO SUBUNIT Z02F0																	
LANCASTER HYDRO SUBAREA Z02F1																	
8S/ 1E- 7Q 4 S	65	7.7	1547	76	27	217	6	0	329	214	208	2	1.3	0.36	36	958	301
12- 2-64				3.79	2.22	9.44	0.15		5.39	4.46	5.87	0.03					
				24	14	61	1		34	28	37					949	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SANTA MARGARITA HYDRO UNIT Z0200																	
ANZA HYDRO SUBUNIT Z02G0																	
LOWER COAHUILA HYDRO SUBAREA Z02G1																	
7S/ 2E-32J 1 S	--	7.5	364	15	2	53	3	0	92	18	53	2	0.4	0.02	23	214	46
12- 3-64				0.75	0.16	2.30	0.08		1.51	0.37	1.49	0.03					
				23	5	70	2		44	11	44	1				215	
UPPER COAHUILA HYDRO SUBAREA Z02G2																	
7S/ 2E-13D 1 S	--	7.3	553	53	11	34	5	0	129	38	34	89	0.3	0.04	35	415	177
12- 3-64				2.64	0.90	1.48	0.13		2.11	0.79	0.96	1.44					
				51	17	29	3		40	15	18	27				363	
7S/ 2E-26B 1 S	--	7.4	293	29	5	20	3	0	106	10	32	2	0.3	0.03	30	180	93
12- 3-64				1.45	0.41	0.87	0.08		1.74	0.21	0.90	0.03					
				52	15	31	3		60	7	31	1				183	
ANZA HYDRO SUBAREA Z02G3																	
7S/ 3E-20J 1 S	--	7.6	734	73	15	49	6	0	143	139	69	9	0.5	0.02	41	492	244
12- 3-64				3.64	1.23	2.13	0.15		2.34	2.89	1.95	0.15					
				51	17	30	2		32	39	27	2				472	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA MARGARITA HYDRO UNIT Z0200																	
AGUANGA HYDRO SUBUNIT Z02H0																	
REDEC HYDRO SUBAREA Z02H3																	
8S/ 1E-19Q 2 S	--	7.2	1281	113	29	127	4	0	298	261	117	2	0.8	0.17	34	888	401
12- 2-64				5.64	2.38	5.52	0.10		4.88	5.43	3.30	0.03					
				41	17	40	1		36	40	24					834	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C	TDS Evap 105°C Computed	Total hardness as $CaCO_3$
SANTA MARGARITA HYDRO UNIT Z0200																		
OAKGROVE HYDRO SUBUNIT Z0210																		
LOWER CULP HYDRO SUBAREA Z0211																		
9S/ 1E-12A 1 S	--	7.6	1250	123	32	104	6	0	330	261	84	20	0.6	0.09	40	863		439
12- 3-64				6.14	2.63	4.52	0.15		5.41	5.43	2.37	0.32						
				46	20	34	1		40	40	18	2				833		
CHIHUAHUA HYDRO SUBAREA Z0214																		
9S/ 3E-16A 1 S	--	7.5	501	50	14	33	3	0	238	12	35	5	0.4	0	43	306		183
12- 3-64				2.50	1.15	1.43	0.08		3.90	0.25	0.99	0.08						
				48	22	28	2		75	5	19	2				312		

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SAN LUIS REY HYDRO UNIT Z0300																	
BONSALL HYDRO SUBUNIT Z03A0																	
MISSION HYDRO SUBAREA Z03A1																	
11S/ 4W- 4K 1 S	65	7.9	2570	176	78	251	9	0	242	325	696	--	0.5	0.36	--	1740	760
6-15-65				8.78	6.41	10.91	0.23		3.97	6.77	19.63						
11S/ 4W- 4N 1 S	67	8.0	1240	137	14	105	5	0	307	99	192	6	0.1	0.17	--	736	400
11-19-64				6.84	1.15	4.57	0.13		5.03	2.06	5.41	0.10					
				54	9	36	1		40	16	43	1				709	
11S/ 4W- 4P 2 S	--	7.9	1730	129	56	125	3	0	195	150	333	49	0.1	0.19	--	1068	553
11-19-64				6.44	4.61	5.44	0.08		3.20	3.12	9.39	0.79					
				39	28	33			19	19	57	5				941	
11S/ 4W- 5K 1 S	--	7.4	3360	415	137	225	13	0	244	260	1168	0.0	0.4	0	--	2580	1600
11-30-64				20.71	11.27	9.78	0.33		4.00	5.41	32.94						
				49	27	23	1		9	13	78					2338	
	--	8.1	4040	408	143	200	11	0	237	300	1196	0.0	0.5	0.10	--	2492	1607
7-22-65				20.36	11.76	8.70	0.28		3.88	6.25	33.73						
				50	29	21	1		9	14	77					2375	
11S/ 4W- 6R 4 S	--	7.7	4900	331	141	655	12	0	496	419	1418	0.0	0.1	0.54	--	3672	1407
11-19-64				16.52	11.60	28.48	0.31		8.13	8.72	39.99						
				29	20	50	1		14	15	70					3220	
11S/ 4W- 8E 1 S	--	7.8	1850	301	55	167	8	0	301	222	357	0.0	0.2	0.20	--	1190	978
11-19-64				15.02	4.52	7.26	0.20		4.93	4.62	10.07						
				56	17	27	1		25	24	51					1258	
11S/ 4W- 8K 1 S	--	7.9	1340	122	15	158	3	0	239	116	266	14	0.6	0.80	--	872	366
11-19-64				6.09	1.23	6.87	0.08		3.92	2.42	7.50	0.23					
				43	9	48	1		28	17	53	2				813	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
BONSALL HYDRO SUBUNIT Z03A0 — SAN LUIS REY HYDRO UNIT Z0300																	
MISSION HYDRO SUBAREA Z03A1																	
11S/ 4W- 8N 2 S	--	7.9	2500	152	61	310	2	0	313	193	592	0.0	0.2	0.35	--	1480	631
11-23-64				7.58	5.02	13.48	0.05		5.13	4.02	16.69						
				29	19	52			20	16	65					1464	
11S/ 4W- 8N 3 S	--	8.0	1950	152	71	190	8	0	288	254	412	0.0	0.2	0.12	--	1276	672
11-23-64				7.58	5.84	8.26	0.20		4.72	5.29	11.62						
				35	27	38	1		22	24	54					1229	
11S/ 4W-18C 8 S	--	7.6	2520	226	59	250	13	0	371	420	500	0.6	0.5	0.40	--	1896	807
11-30-64				11.28	4.85	10.87	0.33		6.08	8.74	14.10	0.01					
				41	18	40	1		21	30	49					1652	
	--	7.7	2610	210	63	265	10	0	374	425	484	0.1	0.4	0.40	--	1816	784
7-22-65				10.48	5.18	11.52	0.26		6.13	8.85	13.65						
				38	19	42	1		21	31	48					1642	
11S/ 4W-18G 2 S	--	7.9	2620	230	92	190	10	0	288	450	604	--	0.5	0.10	--	1870	953
6-15-65				11.48	7.57	8.26	0.26		4.72	9.37	17.03						
11S/ 4W-18L 3 S	68	7.1	2150	224	79	178	8	0	293	562	418	0.0	0.2	0.17	--	1712	885
11-23-64				11.18	6.50	7.74	0.20		4.80	11.70	11.79						
				44	25	30	1		17	41	42					1613	
	--	7.7	2150	221	80	150	9	0	312	500	308	--	0.5	0.14	--	1660	881
6-15-65				11.03	6.58	6.52	0.23		5.11	10.41	8.69						
11S/ 4W-18L 4 S	68	7.5	2500	234	77	230	9	0	320	280	599	0.0	0.1	0.10	--	1876	901
11-24-64				11.68	6.33	10.00	0.23		5.24	5.83	16.89						
				41	22	35	1		19	21	60					1587	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
SAN LUIS REY HYDRO UNIT Z0300																	
BONSALL HYDRO SUBUNIT Z03A0																	
MISSION HYDRO SUBAREA Z03A1																	
11S/ 5W-13L 1 S	--	7.4	2750	282	86	240	10	0	263	497	624	0.0	0.1	0.12	--	2146	1058
5-10-65				14.07	7.07	10.44	0.26		4.31	10.35	17.60						
				44	22	33	1		13	32	55					1869	
11S/ 5W-23E 5 S	67	7.7	17000	597	253	3570	60	0	386	894	6560	0.0	0.1	0.76	--	13930	2532
11-23-64				29.79	20.81	155.22	1.53		6.33	18.61	184.99						
				14	10	75	1		3	9	88					12125	
BONSALL HYDRO SUBAREA Z03A2																	
10S/ 3W-12C 1 S	--	8.0	1970	134	79	203	4	0	529	256	250	54	0.2	0.25	--	1274	660
11-24-64				6.69	6.50	8.83	0.10		8.67	5.33	7.05	0.87					
				30	29	40			40	24	32	4				1241	
10S/ 3W-12F 1 S	68	8.0	2000	141	78	203	4	0	530	257	255	49	0.2	0.25	--	1284	673
11-24-64				7.04	6.41	8.83	0.10		8.69	5.35	7.19	0.79					
				31	29	39			39	24	33	4				1248	
10S/ 3W-20P 3 S	--	7.5	2600	200	68	325	35	0	478	441	46	17	0.3	0.24	--	2018	779
11-23-64				9.98	5.59	14.13	0.89		7.83	9.18	1.30	0.27					
				33	18	46	3		42	49	7	1				1368	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
MONSERATE HYDRO SUBUNIT				Z03B0					SAN LUIS REY HYDRO UNIT			Z0300					
PALA HYDRO SUBAREA					Z03B1												
9S/ 2W-31Q 1 S	--	7.5	1480	82	89	87	6	0	276	347	123	2	0.2	0.18	--	1072	571
11-24-64				4.09	7.32	3.78	0.15		4.52	7.22	3.47	0.03					
				27	48	25	1		30	47	23					872	
PAUMA HYDRO SUBAREA					Z03B2												
10S/ 1W-16H 1 S	74	7.8	505	35	15	52	3	0	171	46	50	1	0.2	0.23	--	350	149
11-24-64				1.75	1.23	2.26	0.08		2.80	0.96	1.41	0.02					
				33	23	42	2		54	18	27					286	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
WARNER HYDRO SUBUNIT				SAN LUIS REY HYDRO UNIT Z03C0													
WARNER HYDRO SUBAREA				Z03C1													
9S/ 2E-36N 1 S	--	8.1	892	86	23	80	3	0	396	49	70	2	0.3	0	39	520	309
12- 3-64				4.29	1.89	3.48	0.08		6.49	1.02	1.97	0.03					
				44	19	36	1		68	11	21					547	
9S/ 2E-36Q 1 S	--	7.4	507	35	12	45	6	0	114	100	33	0	0.8	0.04	37	300	137
12- 3-64				1.75	0.99	1.96	0.15		1.87	2.08	0.93						
				36	20	40	3		38	43	19					325	
10S/ 2E-26A 1 S	65	7.8	428	38	10	36	2	0	150	54	21	5	0.3	0.10	35	250	136
12- 3-64				1.90	0.82	1.57	0.05		2.46	1.12	0.59	0.08					
				44	19	36	1		58	26	14	2				275	
10S/ 3E-25D 1 S	120	6.6	500	2	0	95	2	0	36	137	25	1	5.0	0.70	88	355	5
12- 3-64				0.10		4.13	0.05		0.59	2.85	0.71	0.02					
				2		96	1		14	68	17					373	
10S/ 3E-26L 2 S	--	7.9	503	40	9	53	3	0	230	9	37	5	0.3	0.05	30	270	137
12- 3-64				2.00	0.74	2.30	0.08		3.77	0.19	1.04	0.08					
				39	14	45	2		74	4	20	2				299	
10S/ 3E-29J 2 S	68	8.0	534	37	7	64	2	0	196	48	40	2	0.4	0.05	37	339	122
12- 3-64				1.85	0.58	2.78	0.05		3.21	1.00	1.13	0.03					
				35	11	53	1		60	19	21	1				334	
11S/ 3E- 3N 1 S	--	8.0	264	18	6	28	1	0	119	7	15	4	0.6	0	25	150	70
12- 3-64				0.90	0.49	1.22	0.03		1.95	0.15	0.42	0.06					
				34	19	46	1		76	6	16	2				163	
11S/ 3E-18P 1 S	--	7.4	349	26	9	29	3	0	117	8	26	32	0.2	0	48	240	102
12- 3-64				1.30	0.74	1.26	0.08		1.92	0.17	0.73	0.52					
				38	22	37	2		57	5	22	16				239	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
VISTA HYDRO SUBUNIT Z04B0 / CARLSBAD HYDRO SUBAREA Z04B1 / CARLSBAD HYDRO UNIT Z0400																	
11S/ 4W-25E 1 S	--	7.9	1710	72	91	162	4	0	305	189	312	15	0.2	0.27	--	1098	554
11-19-64				3.59	7.48	7.04	0.10		5.00	3.93	8.80	0.24					
				20	41	39	1		28	22	49	1				995	
11S/ 4W-33F 1 S	66	7.1	2300	122	60	275	4	0	299	773	571	0.0	0.2	0.59	--	1428	551
11-19-64				6.09	4.93	11.96	0.10		4.90	16.09	16.10						
				26	21	52			13	43	43					1953	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value										Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3		Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
AGUA HEDIONDA HYDRO SUBUNIT Z04C0 — CARLSBAD HYDRO UNIT Z0400																		
AGUA HEDIONDA HYDRO SUBAREA Z04C1																		
12S/ 4W-10H 3 S	--	8.1	2520	174	88	282	6	0	364	74	718	0.0		0.4	0.34	--	1732	797
11-19-64				8.68	7.24	12.26	0.15		5.97	1.54	20.25							
				31	26	43	1		22	6	73						1522	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
CARLSBAD HYDRO UNIT Z0400																	
SAN MARCOS HYDRO SUBUNIT Z04E0																	
BATIQUITOS HYDRO SUBAREA Z04E1																	
12S/ 4W-26H 1 S	--	7.4	1340	53	26	210	4	0	224	93	298	0.0	0.6	0.32	--	822	239
11-19-64				2.64	2.14	9.13	0.10		3.67	1.94	8.40						
				19	15	65	1		26	14	60					795	
SAN MARCOS HYDRO SUBAREA Z04E2																	
12S/ 2W-17M 1 S	--	7.2	1513	76	56	134	4	0	103	132	304	71	0.6	0.04	--	960	420
1-26-65				3.79	4.61	5.83	0.10		1.69	2.75	8.57	1.15					
				26	32	41	1		12	19	61	8				828	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
ESCONDIDO HYDRO SUBUNIT Z04F0 — CARLSBAD HYDRO UNIT Z0400																	
SAN ELIJO HYDRO SUBAREA Z04F1																	
12S/ 2W-31D 1 S	--	7.6	2253	117	69	276	3	0	381	280	400	1	0.7	0.59	--	1430	576
1-27-65				5.84	5.67	12.00	0.08		6.24	5.83	11.28	0.02					
				25	24	51			27	25	48					1335	
ESCONDIDO HYDRO SUBAREA Z04F2																	
12S/ 2W-16N 1 S	--	7.5	1940	78	53	264	6	0	319	244	300	60	0.6	0.08	--	1227	413
1-26-65				3.89	4.36	11.48	0.15		5.23	5.08	8.46	0.97					
				20	22	58	1		26	26	43	5				1162	
12S/ 2W-20G 2 S	--	7.1	7273	479	358	575	13	0	644	263	2188	37	0.7	20.00	--	5335	2669
1-26-65				23.90	29.44	25.00	0.33		10.56	5.48	61.70	0.60					
				30	37	32			13	7	79	1				4250	
12S/ 2W-20H 5 S	--	7.7	3182	91	89	--	--	--	629	--	625	--	--	0.25	--		593
1-26-65				4.54	7.32				10.31		17.63						
12S/ 2W-20J 1 S	--	7.8	2284	75	54	328	3	0	450	127	430	38	0.9	0.21	--	1312	409
1-26-65				3.74	4.44	14.26	0.08		7.38	2.64	12.13	0.61					
				17	20	63			32	12	53	3				1277	
12S/ 2W-20J10 S	--	7.5	4299	153	126	606	5	0	732	247	950	57	1.2	0.22	--	2610	900
1-26-65				7.63	10.36	26.35	0.13		12.00	5.14	26.79	0.92					
				17	23	59			27	11	60	2				2505	
12S/ 2W-20K 1 S	--	7.1	7874	585	406	563	12	0	637	197	2560	24	0.6	8.00	--	4970	3132
1-26-65				29.19	33.39	24.48	0.31		10.44	4.10	72.19	0.39					
				33	38	28			12	5	83					4669	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
CARLSBAD HYDRO UNIT Z0400																	
ESCONDIDO HYDRO SUBUNIT Z04F0																	
ESCONDIDO HYDRO SUBAREA Z04F2																	
12S/ 2W-20K 2 S	--	7.1	534	24	15	49	3	0	64	24	90	38	0.5	0.01	--	357	122
1-26-65				1.20	1.23	2.13	0.08		1.05	0.50	2.54	0.61					
				26	27	46	2		22	11	54	13				275	
12S/ 2W-20K 3 S	--	7.8	1026	35	43	105	6	0	204	145	122	15	0.5	0	--	570	265
1-26-65				1.75	3.54	4.57	0.15		3.34	3.02	3.44	0.24					
				17	35	46	1		33	30	34	2				572	
12S/ 2W-20P 2 S	--	7.6	1556	87	52	139	5	0	171	52	360	29	0.7	0.03	--	970	431
1-26-65				4.34	4.28	6.04	0.13		2.80	1.08	10.15	0.47					
				29	29	41	1		19	7	70	3				809	
12S/ 2W-20Q 2 S	--	7.2	2667	115	61	372	18	0	398	338	490	10	0.9	0.74	--	1710	538
1-26-65				5.74	5.02	16.17	0.46		6.52	7.04	13.82	0.16					
				21	18	59	2		24	26	50	1				1601	
12S/ 2W-21D 2 S	--	7.7	1811	60	48	269	2	0	400	219	260	15	1.0	0.30	--	1110	347
1-26-65				2.99	3.95	11.70	0.05		6.56	4.56	7.33	0.24					
				16	21	63			35	24	39	1				1071	
12S/ 2W-30N 2 S	--	7.8	1447	78	22	190	4	0	243	136	254	1	0.5	0.23	--	860	285
1-27-65				3.89	1.81	8.26	0.10		3.98	2.83	7.16	0.02					
				28	13	59	1		28	20	51					805	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SAN DIEGUITO HYDRO SUBUNIT Z05A0 — SAN DIEGUITO HYDRO UNIT Z0500																	
SAN DIEGUITO HYDRO SUBAREA Z05A1																	
13S/ 3W-28N 2 S	--	7.5	1525	120	50	150	3	0	275	167	314	0.0	0.2	0.15	--	942	505
3-26-65				5.99	4.11	6.52	0.08		4.51	3.48	8.85						
				36	25	39			27	21	53					940	
13S/ 3W-32R 1 S	70	7.9	1900	117	59	250	8	0	431	226	357	3	0.2	0.26	--	1290	535
3- 4-65				5.84	4.85	10.87	0.20		7.06	4.71	10.07	0.05					
				27	22	50	1		32	22	46					1232	
13S/ 3W-33B 1 S	--	7.5	1645	98	67	165	5	0	211	153	387	0.0	0.2	0.20	--	1246	520
3- 4-65				4.89	5.51	7.17	0.13		3.46	3.19	10.91						
				28	31	41	1		20	18	62					979	
13S/ 3W-33D 1 S	68	7.8	2200	124	60	320	8	0	318	456	353	0.0	0.2	0.21	--	1558	556
3-25-65				6.19	4.93	13.91	0.20		5.21	9.49	9.95						
				25	20	55	1		21	38	40					1478	
13S/ 3W-33E 2 S	68	7.9	2500	196	62	335	8	0	361	356	564	0.0	0.4	0.29	--	1786	745
3- 4-65				9.78	5.10	14.57	0.20		5.92	7.41	15.90						
				33	17	49	1		20	25	54					1699	
13S/ 3W-33F 4 S	69	7.7	3000	285	119	270	18	0	288	394	808	2	0.2	0.11	--	2350	1201
3- 4-65				14.22	9.79	11.74	0.46		4.72	8.20	22.79	0.03					
				39	27	32	1		13	23	64					2038	
13S/ 3W-33L 3 S	--	7.5	2560	214	98	272	16	0	337	397	599	0.0	0.1	0.15	--	1738	938
3-25-65				10.68	8.06	11.83	0.41		5.52	8.27	16.89						
				34	26	38	1		18	27	55					1762	
13S/ 3W-33L 6 S	--	7.7	1950	146	55	217	8	0	423	203	361	0.0	0.2	0.25	--	1250	591
3- 4-65				7.29	4.52	9.44	0.20		6.93	4.23	10.18						
				34	21	44	1		32	20	48					1198	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C / Computed	Total hardness as $CaCO_3$
SAN DIEGUITO HYDRO UNIT Z0500																	
SAN DIEGUITO HYDRO SUBUNIT Z05A0																	
SAN DIEGUITO HYDRO SUBAREA Z05A1																	
13S/ 3W-33M 2 S	71	8.0	2742	264	16	285	9	--	221	419	527	2.1	0.4	0.10	--	1800	725
7- 1-65				13.17	1.32	12.39	0.23		3.62	8.72	14.86	0.03					
				49	5	46	1		13	32	55					1631	
13S/ 3W-33Q 1 S	--	7.3	6200	429	184	1005	43	0	379	681	2089	0.0	0.4	0.53	--	4420	1828
3-25-65				21.41	15.13	43.70	1.10		6.21	14.18	58.91						
				26	19	54	1		8	18	74					4618	
13S/ 3W-33Q 3 S	66	7.5	3000	52	58	595	22	0	110	145	1011	0.0	0.2	0.26	--	1956	368
3- 4-65				2.59	4.77	25.87	0.56		1.80	3.02	28.51						
				8	14	77	2		5	9	86					1937	
14S/ 3W- 3D 1 S	--	7.2	6200	611	216	780	7	0	251	898	2089	0.0	0.6	0.77	--	5160	2414
3- 4-65				30.49	17.76	33.91	0.18		4.11	18.70	58.91						
				37	22	41			5	23	72					4726	
14S/ 3W- 4N 1 S	--	7.7	2700	222	86	285	3	0	269	301	684	7	0.4	0.40	--	2010	908
3- 4-65				11.08	7.07	12.39	0.08		4.41	6.27	19.29	0.11					
				36	23	40			15	21	64					1721	
14S/ 3W- 4P 1 S	--	7.2	4400	477	141	420	2	0	332	664	1181	18	0.2	0.37	--	3600	1771
3- 4-65				23.80	11.60	18.26	0.05		5.44	13.82	33.30	0.29					
				44	22	34			10	26	63	1				3067	
14S/ 3W- 5F 1 S	--	7.5	3000	152	85	515	41	0	553	800	442	0.0	1.0	0.63	--	2196	729
3-19-65				7.58	6.99	22.39	1.05		9.06	16.66	12.46						
				20	18	59	3		24	44	33					2309	
14S/ 3W- 5K 2 S	--	7.5	5000	325	106	730	33	0	243	573	1450	0.0	0.1	0.87	--	3610	1248
3- 3-65				16.22	8.72	31.74	0.84		3.98	11.93	40.89						
				28	15	55	1		7	21	72					3337	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN DIEGUITO HYDRO UNIT Z0500																	
SAN DIEGUITO HYDRO SUBUNIT Z05A0																	
SAN DIEGUITO HYDRO SUBAREA Z05A1																	
14S/ 3W- 5N 1 S	--	7.8	3000	108	33	570	31	0	480	210	762	0.0	0.2	0.60	--	1848	405
3-19-65				5.39	2.71	24.78	0.79		7.87	4.37	21.49						
				16	8	74	2		23	13	64					1951	
14S/ 3W- 6P 1 S	--	8.0	12400	273	224	3400	70	0	1479	889	4820	2	0.1	3.50	--	9408	1603
3-18-65				13.62	18.42	147.83	1.79		24.24	18.51	135.92	0.03					
				7	10	81	1		14	10	76					10409	
14S/ 3W- 7C 3 S	--	7.7	8000	206	133	1820	50	0	964	610	2550	2	0.4	1.85	--	5620	1062
2-26-65				10.28	10.94	79.13	1.28		15.80	12.70	71.91	0.03					
				10	11	78	1		16	13	72					5847	
14S/ 3W- 7C 6 S	68	8.2	9200	164	129	2250	75	0	1027	832	3041	0.0	0.8	2.00	--	7102	940
3-18-65				8.18	10.61	97.83	1.92		16.83	17.32	85.76						
				7	9	83	2		14	14	72					6999	
14S/ 3W- 7E 2 S	68	7.5	5000	170	109	980	20	0	228	724	1450	0.0	0.8	3.50	--	3610	873
3-17-65				8.48	8.96	42.61	0.51		3.74	15.07	40.89						
				14	15	70	1		6	25	68					3569	
14S/ 3W- 7J 1 S	--	7.7	725	54	16	88	1	0	215	60	103	4	0.2	0.28	--	440	201
3- 1-65				2.69	1.32	3.83	0.03		3.52	1.25	2.90	0.06					
				34	17	49			46	16	38	1				432	
14S/ 3W- 7L 1 S	--	8.0	2225	196	35	305	6	0	81	145	741	1	0.1	0.25	--	1496	634
3-24-65				9.78	2.88	13.26	0.15		1.33	3.02	20.90	0.02					
				38	11	51	1		5	12	83					1469	
14S/ 3W- 7L 4 S	--	7.4	2450	214	63	280	8	0	300	478	486	0.0	0.4	0.50	--	1820	794
3- 1-65				10.68	5.18	12.17	0.20		4.92	9.95	13.71						
				38	18	43	1		17	35	48					1677	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN DIEGUITO HYDRO UNIT Z0500																	
SAN DIEGUITO HYDRO SUBUNIT Z05A0																	
SAN DIEGUITO HYDRO SUBAREA Z05A1																	
14S/ 3W- 7L 5 S	--	7.2	2800	341	70	263	7	0	309	631	560	0.0	0.4	0.48	--	2190	1140
3- 1-65				17.02	5.76	11.44	0.18		5.06	13.14	15.79						
				49	17	33	1		15	39	46					2025	
14S/ 3W- 7M 3 S	62	8.0	3500	222	115	545	38	0	377	514	972	6	1.0	1.00	--	2758	1028
3- 1-65				11.08	9.46	23.70	0.97		6.18	10.70	27.41	0.10					
				25	21	52	2		14	24	62					2599	
14S/ 3W- 7P 1 S	--	7.8	1950	118	32	300	12	0	190	121	568	1	0.1	0.50	--	1450	426
3- 1-65				5.89	2.63	13.04	0.31		3.11	2.52	16.02	0.02					
				27	12	60	1		14	12	74					1246	
14S/ 3W- 7P 4 S	--	7.4	1925	174	43	190	5	0	91	91	571	11	0.2	0.28	--	1490	611
3- 2-65				8.68	3.54	8.26	0.13		1.49	1.89	16.10	0.18					
				42	17	40	1		8	10	82	1				1130	
14S/ 3W- 7P 6 S	--	7.9	1900	120	58	230	14	0	348	199	390	0.0	0.1	0.45	--	1236	538
3- 2-65				5.99	4.77	10.00	0.36		5.70	4.14	11.00						
				28	23	47	2		27	20	53					1183	
14S/ 3W- 8M 2 S	--	7.0	425	19	6	74	1	0	84	25	80	24	0.2	0.17	--	304	72
3- 1-65				0.95	0.49	3.22	0.03		1.38	0.52	2.26	0.39					
				20	10	69	1		30	11	50	9				271	
14S/ 4W- 1K 1 S	70	7.8	2250	132	9	394	9	0	111	297	577	0.0	0.8	2.46	--	1474	367
2-25-65				6.59	0.74	17.13	0.23		1.82	6.18	16.27						
				27	3	69	1		7	25	67					1476	
14S/ 4W- 10 1 S	--	7.3	19500	942	287	5100	120	0	138	1436	9170	0.0	0.8	5.25	--	17400	3533
3-24-65				47.01	23.60	221.75	3.07		2.26	29.90	258.59						
				16	8	75	1		1	10	89					17129	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN DIEGUITO HYDRO SUBUNIT Z05A0 — SAN DIEGUITO HYDRO UNIT Z0500																	
SAN DIEGUITO HYDRO SUBAREA Z05A1																	
14S/ 4W- 1R 4 S	70	7.4	4500	375	32	835	35	0	137	842	1344	0.0	1.0	2.26	--	3482	1068
3-17-65				18.71	2.63	36.31	0.89		2.25	17.53	37.90						
				32	4	62	2		4	30	66					3534	
14S/ 4W-11J 2 S	--	7.9	28000	3186	294	5200	70	0	64	1340	13634	0.0	0.1	12.70	--	27402	9165
2-25-65				158.98	24.18	226.10	1.79		1.05	27.90	384.48						
				39	6	55				7	93					23768	
14S/ 4W-12H 1 S	68	4.4	25000	393	550	6020	140	0	0	2536	9750	0.0	0.4	3.82	--	19360	3245
3-17-65				19.61	45.23	261.75	3.58			52.80	274.95						
				6	14	79	1			16	84					19393	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SOLEDAD HYDRO SUBUNIT Z06A0 — PENASQUITO HYDRO UNIT Z0600																	
14S/ 3W-19Q 1 S	--	7.8	2000	152	58	210	3	0	252	283	385	22	0.8	0.33	--	1578	618
11-19-64				7.58	4.77	9.13	0.08		4.13	5.89	10.86	0.35					
				35	22	42			19	28	51	2				1238	
14S/ 3W-20L 2 S	65	7.8	1360	84	43	145	2	0	243	193	206	0.0	0.5	0.29	--	906	387
11-19-64				4.19	3.54	6.30	0.05		3.98	4.02	5.81						
				30	25	45			29	29	42					793	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN DIEGO HYDRO UNIT Z0700																	
LOWER SAN DIEGO HYDRO SUBUNIT Z07A0																	
MISSION SAN DIEGO HYDRO SUBAREA Z07A1																	
16S/ 2W- 9B 1 S	--	8.1	2250	106	85	260	2	0	465	248	390	14	0.2	--	--	1522	614
11-18-64				5.29	6.99	11.30	0.05		7.62	5.16	11.00	0.23					
				22	30	48			32	21	46	1				1334	
16S/ 2W- 9B 2 S	--	8.1	3500	283	105	370	6	0	482	378	798	10	0.1	0.37	--	2196	1139
11-18-64				14.12	8.64	16.09	0.15		7.90	7.87	22.50	0.16					
				36	22	41			21	20	59					2187	
16S/ 2W- 9C 9 S	64	7.6	2200	75	89	285	6	0	269	362	428	0	0.4	0.52	--	1496	553
6- 3-65				3.74	7.32	12.39	0.15		4.41	7.54	12.07						
				16	31	53	1		18	31	50					1378	
16S/ 2W-17D 1 S	--	7.7	2400	81	133	267	3	0	452	183	563	3	0.2	0.40	--	1632	750
6- 2-65				4.04	10.94	11.61	0.08		7.41	3.81	15.86	0.05					
				15	41	44			27	14	58					1456	
16S/ 2W-17H 1 S	--	7.2	2653	163	71	310	3	0	429	197	550	47	0.5	0.24	35	1725	699
11-18-64				8.13	5.84	13.48	0.08		7.03	4.10	15.51	0.76					
				30	21	49			26	15	57	3				1588	
16S/ 2W-18L 1 S	82	7.9	1500	36	24	277	4	0	329	96	296	0	1.0	0.55	--	896	189
6- 2-65				1.80	1.97	12.04	0.10		5.39	2.00	8.35						
				11	12	76	1		34	13	53					896	
16S/ 3W-21J 1 S	--	--	--	--	--	700	--	--	--	--	1075	--	--	--	--	2816	
3-11-65						30.44					30.32						
	--	8.1	4340	--	--	520	--	--	--	--	1121	--	--	--	--	3000	
5-17-65						22.61					31.61						

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
SAN DIEGO HYDRO UNIT Z0700																	
LOWER SAN DIEGO HYDRO SUBUNIT Z07A0																	
MISSION SAN DIEGO HYDRO SUBAREA Z07A1																	
16S/ 3W-21J 1 S	68	7.9	3900	267	136	515	15	0	374	345	1225	3	0.2	0.30	--	2684	1226
6- 2-65				13.32	11.18	22.39	0.38		6.13	7.18	34.55	0.05					
				28	24	47	1		13	15	72					2690	
	69	7.7	4149	221	141	435	15	0	339	395	974	1	0.6	0.24	--	2814	1132
7- 8-65				11.03	11.60	18.91	0.38		5.56	8.22	27.47	0.02					
				26	28	45	1		13	20	67					2349	
16S/ 3W-22H 5 S	--	7.9	3600	216	98	540	10	0	385	414	961	2	0.4	0.74	--	2546	943
11-17-64				10.78	8.06	23.48	0.26		6.31	8.62	27.10	0.03					
				25	19	55	1		15	20	64					2431	
16S/ 3W-22K 2 S	--	7.6	3461	212	93	383	6	0	376	401	714	0	0.5	0.29	--	2260	912
7- 8-65				10.58	7.65	16.65	0.15		6.16	8.35	20.13						
				30	22	48			18	24	58					1995	
SANTEE HYDRO SUBAREA Z07A2																	
15S/ 1E- 7E 2 S	--	7.4	1530	87	59	175	2	0	230	62	409	0	0.2	0.11	--	980	460
6- 3-65				4.34	4.85	7.61	0.05		3.77	1.29	11.53						
				26	29	45			23	8	69					907	
15S/ 1E-17D 2 S	--	7.7	680	49	35	60	3	0	208	103	80	0	0.2	0.09	--	458	267
6- 3-65				2.45	2.88	2.61	0.08		3.41	2.14	2.26						
				31	36	33	1		44	27	29					432	
15S/ 1W-24C 9 S	64	8.0	1780	134	61	175	4	0	260	278	358	5	0.2	0.14	--	1334	586
11-18-64				6.69	5.02	7.61	0.10		4.26	5.79	10.10	0.08					
				34	26	39	1		21	29	50					1143	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER SAN DIEGO HYDRO SUBUNIT Z07A0 — SAN DIEGO HYDRO UNIT Z0700																	
SANTEE HYDRO SUBAREA Z07A2																	
15S/ 1W-27A 5 S	68	7.5	3700	405	208	305	7	0	358	1114	762	10	0.2	0.17	--	3188	1867
6- 3-65				20.21	17.11	13.26	0.18		5.87	23.19	21.49	0.16					
				40	34	26			12	46	42					2987	
15S/ 1W-28Q 3 S	--	7.7	2611	141	66	320	2	0	401	168	565	27	0.8	0.52	50	1730	624
11-18-64				7.04	5.43	13.91	0.05		6.57	3.50	15.93	0.44					
				27	21	53			25	13	60	2				1537	
15S/ 1W-30K 2 S	--	8.1	880	52	30	95	2	0	188	73	156	7	0.2	0.30	--	636	253
11-18-64				2.59	2.47	4.13	0.05		3.08	1.52	4.40	0.11					
				28	27	45	1		34	17	48	1				508	
	65	7.8	1000	51	36	113	3	0	222	90	166	13	0.2	0.26	--	670	275
6- 3-65				2.54	2.96	4.91	0.08		3.64	1.87	4.68	0.21					
				24	28	47	1		35	18	45	2				582	
EL CAJON HYDRO SUBAREA Z07A3																	
15S/ 1E-31R 1 S	--	7.9	1480	82	45	178	5	0	334	196	230	46	0.6	0.14	--	1056	390
11-18-64				4.09	3.70	7.74	0.13		5.47	4.08	6.49	0.74					
				26	24	49	1		33	24	39	4				947	
15S/ 1W-28Q 4 S	70	8.0	3250	279	93	360	4	0	390	144	972	9	0.2	0.27	--	2328	1079
6- 3-65				13.92	7.65	15.65	0.10		6.39	3.00	27.41	0.15					
				37	20	42			17	8	74					2053	
16S/ 1W- 1G 1 S	--	7.8	2040	145	85	190	1	0	306	445	233	89	0.2	0.07	--	1614	712
11-18-64				7.24	6.99	8.26	0.03		5.02	9.26	6.57	1.44					
				32	31	37			23	42	29	6				1339	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER SAN DIEGO HYDRO SUBUNIT Z07A0 / SAN DIEGO HYDRO UNIT Z0700																	
EL CAJON HYDRO SUBAREA Z07A3																	
16S/ 1W- 2K 6 S	--	8.4	2088	131	63	225	2	18	264	185	386	110	0.7	0.10	60	1370	586
11-18-64				6.54	5.18	9.78	0.05	0.60	4.33	3.85	10.89	1.77					
				30	24	45		3	20	18	51	8				1311	
16S/ 1W- 3C 2 S	--	8.0	1730	79	42	205	3	0	155	72	440	3	0.6	0.16	12	1035	370
11-18-64				3.94	3.45	8.91	0.08		2.54	1.50	12.41	0.05					
				24	21	54			15	9	75					933	
16S/ 1W- 3E 1 S	75	8.1	1441	71	38	155	5	0	179	56	334	6	0.6	0.18	33	875	334
11-18-64				3.54	3.13	6.74	0.13		2.93	1.17	9.42	0.10					
				26	23	50	1		22	9	69	1				787	
16S/ 1W-11P 4 S	--	7.3	3000	212	75	365	2	0	261	151	819	111	0.4	0.20	42	2242	838
11- 6-63				10.58	6.17	15.87	0.05		4.28	3.14	23.10	1.79					
				32	19	49			13	10	71	6				1906	
	--	8.2	3135	159	87	384	3	0	305	144	770	98	0.8	0.14	58	1865	755
11-18-64				7.93	7.15	16.70	0.08		5.00	3.00	21.71	1.58					
				25	22	52			16	10	69	5				1854	
16S/ 1W-12J 3 S	--	7.6	3400	277	161	220	6	0	273	220	904	113	0.1	0.15	--	2738	1354
11-18-64				13.82	13.24	9.57	0.15		4.47	4.58	25.49	1.82					
				38	36	26			12	13	70	5				2035	
EL MONTE HYDRO SUBAREA Z07A5																	
15S/ 1E- 2K 1 S	72	8.0	520	48	22	37	2	0	221	14	64	0	0.2	0.05	--	350	211
6- 3-65				2.40	1.81	1.61	0.05		3.62	0.29	1.80						
				41	31	27	1		63	5	32					296	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
LOWER SWEETWATER HYDRO SUBUNIT Z09A0 — SWEETWATER HYDRO UNIT Z0900																	
SWEETWATER HYDRO SUBAREA Z09A2																	
16S/ 1W-15K 8 S	--	7.6	2900	157	86	410	1	0	543	502	461	12	0.4	0.64	--	1976	746
11-18-64				7.83	7.07	17.83	0.03		8.90	10.45	13.00	0.19					
				24	22	54			27	32	40	1				1897	
17S/ 2W-33B 1 S	--	8.4	3200	92	60	550	13	12	329	159	869	0.0	0.2	0.50	--	1942	476
11-17-64				4.59	4.93	23.91	0.33	0.40	5.39	3.31	24.51						
				14	15	71	1	1	16	10	73					1917	
	70	7.9	3286	85	62	497	16	0	353	156	760	0	0.6	0.37	--	1909	467
7- 7-65				4.24	5.10	21.61	0.41		5.79	3.25	21.43						
				14	16	69	1		19	11	70					1750	
17S/ 2W-36D 1 S	--	8.0	1100	62	46	120	5	0	141	322	106	0.0	0.2	0.25	--	834	344
11-17-64				3.09	3.78	5.22	0.13		2.31	6.70	2.99						
				25	31	43	1		19	56	25					731	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C	TDS Evap 105°C	TDS Computed	Total hardness as $CaCO_3$
OTAY HYDRO SUBUNIT Z1080				OTAY HYDRO UNIT Z1000															
18S/ 2W-15J 2 S	70	7.9	1210	35	53	150	2	0	205	65	279	2	0.2	0.23	--			874	306
1-12-65				1.75	4.36	6.52	0.05		3.36	1.35	7.87	0.03							
				14	34	51			27	11	62							687	
18S/ 2W-15R 1 S	--	7.6	930	65	35	118	4	0	121	293	113	0.0	0.2	0.15	--			750	306
1-12-65				3.24	2.88	5.13	0.10		1.98	6.10	3.19								
				29	25	45	1		18	54	28							688	
18S/ 2W-21J 1 S	71	7.9	2500	123	85	300	3	0	140	100	762	0.0	0.1	0.34	--			1433	657
1-12-65				6.14	6.99	13.04	0.08		2.29	2.08	21.49								
				23	27	50			9	8	83							1442	
	70	8.1	2680	142	55	325	5	0	150	188	708	0.8	0	0.26	--			2064	581
6-30-65				7.09	4.52	14.13	0.13		2.46	3.91	19.97	0.01							
				27	17	55	1		9	15	76							1498	
18S/ 2W-21J 2 S	--	8.4	2430	186	27	300	7	13	165	146	653	20.7	0.4	0	--			1844	575
6-30-65				9.28	2.22	13.04	0.18	0.43	2.70	3.04	18.41	0.33							
				38	9	53	1	2	11	12	74	1						1434	
18S/ 2W-21L 1 S	--	8.3	2680	145	62	315	5	19	151	157	709	7.1	0	0.05	--			2148	617
6-29-65				7.24	5.10	13.70	0.13	0.63	2.47	3.27	19.99	0.11							
				28	19	52		2	9	12	76							1493	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
DULZURA HYDRO SUBUNIT				Z10C0			OTAY HYDRO UNIT					Z1000					
JAMUL HYDRO SUBAREA				Z10C3													
17S/ 1E-10G 1 S	--	8.0	1100	54	52	122	5	0	161	318	106	0.0	0.2	0.24	--	818	349
11-17-64				2.69	4.28	5.30	0.13		2.64	6.62	2.99						
				22	35	43	1		22	54	24					737	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C / Evap 105°C Computed	Total hardness as $CaCO_3$
TIA JUANA HYDRO SUBUNIT Z11A0 — TIA JUANA HYDRO UNIT Z1100 — TIA JUANA HYDRO SUBAREA Z11A1																	
18S/ 2W-26H 1 S	88	7.8	1850	53	62	265	3	0	199	191	427	0.0	0.2	0.36	--	1280	387
1-12-65				2.64	5.10	11.52	0.08		3.26	3.98	12.04						
				14	26	60			17	21	62					1099	
18S/ 2W-28L 1 S	67	8.1	4385	210	107	580	6	0	298	220	1206	13.8	0.3	0.27	--	2932	965
6-29-65				10.48	8.80	25.22	0.15		4.88	4.58	34.01	0.22					
				23	20	56			11	10	78	1				2490	
18S/ 2W-29P 2 S	--	7.1	4973	194	123	676	5	0	329	230	1400	35	0.6	0.55	--	3331	991
7- 7-65				9.68	10.12	29.39	0.13		5.39	4.79	39.48	0.56					
				20	21	60			11	10	79	1				2826	
18S/ 2W-33K 4 S	68	7.6	4300	206	184	530	6	0	356	611	1037	1.7	0.5	0.69	--	2980	1272
6-29-65				10.28	15.13	23.04	0.15		5.83	12.72	29.24	0.03					
				21	31	47			12	27	61					2752	
18S/ 2W-33L 1 S	87	8.1	2138	36	43	345	9	0	371	244	346	0	0.6	0.43	--	1291	267
7- 7-65				1.80	3.54	15.00	0.23		6.08	5.08	9.76						
				9	17	73	1		29	24	47					1206	
18S/ 2W-33L 5 S	68	7.9	4410	140	177	630	10	0	446	347	1190	8.2	0.5	0.71	--	2924	1078
6-29-65				6.99	14.56	27.39	0.26		7.31	7.22	33.56	0.13					
				14	30	56	1		15	15	70					2723	
18S/ 2W-33L 9 S	67	7.5	4562	211	116	621	13	0	526	411	1064	7	0.8	0.68	--	2901	1004
7- 7-65				10.53	9.54	27.00	0.33		8.62	8.56	30.00	0.11					
				22	20	57	1		18	18	63					2703	
18S/ 2W-33L10 S	94	8.0	2062	39	38	345	11	0	359	234	350	0	0.6	0.44	66	1240	254
10-15-64				1.95	3.13	15.00	0.28		5.88	4.87	9.87						
				10	15	74	1		29	24	48					1261	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million equivalents per million percent reactance value: Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Mineral constituents in parts per million: Fluoride F	Boron B	Silica SiO_2	TDS Evap 80°C Evap 105°C Computed	Total hardness as $CaCO_3$
TIA JUANA HYDRO SUBUNIT Z11A0 / TIA JUANA HYDRO SUBAREA Z11A1 / TIA JUANA HYDRO UNIT Z1100																	
18S/ 2W-33L10 S	93	7.7	1850	32	45	380	12	--	378	244	372	0.0	0.4	0.46	--	1292	265
1-14-65				1.60	3.70	16.52	0.31		6.20	5.08	10.49						
				7	17	75	1		28	23	48					1272	
18S/ 2W-34L 2 S	72	7.6	5157	283	133	713	8	0	484	944	988	51	0.8	0.71	--	3566	1254
7- 7-65				14.12	10.94	31.00	0.20		7.93	19.65	27.86	0.82					
				25	19	55			14	35	50	1				3359	
18S/ 2W-35D 1 S	--	7.8	2750	108	56	430	2	0	309	186	691	0.0	0.2	0.68	--	1658	500
1-12-65				5.39	4.61	18.70	0.05		5.06	3.87	19.49						
				19	16	65			18	14	69					1626	
18S/ 2W-35L 1 S	--	7.5	5155	207	138	675	9	0	256	349	1405	2	0.6	0.35	--	3420	1085
10-15-64				10.33	11.35	29.35	0.23		4.20	7.27	39.62	0.03					
				20	22	57			8	14	78					2912	
19S/ 2W- 1M13 S	69	7.8	3100	188	68	450	6	0	395	245	798	3	0.4	0.50	--	2188	749
10-15-64				9.38	5.59	19.57	0.15		6.47	5.10	22.50	0.05					
				27	16	56			19	15	66					1953	
19S/ 2W- 4A10 S	64	7.9	3096	186	81	396	5	0	308	485	640	3	0.8	0.36	21	2050	798
10-15-64				9.28	6.66	17.22	0.13		5.05	10.10	18.05	0.05					
				28	20	52			15	30	54					1970	
19S/ 2W- 4D 1 S	--	7.7	5800	381	199	695	8	0	273	417	1849	1.9	0.5	0.19	--	4680	1770
6-30-65				19.01	16.37	30.22	0.20		4.47	8.68	52.14	0.03					
				29	25	46			7	13	80					3686	
19S/ 2W- 4F 4 S	68	7.9	4820	194	116	780	7	0	360	573	1250	11.9	0.7	0.46	--	3336	962
6-29-65				9.68	9.54	33.91	0.18		5.90	11.93	35.25	0.19					
				18	18	64			11	22	66					3110	

TABLE E-1

ANALYSES OF GROUND WATER
SAN DIEGO DRAINAGE PROVINCE (Z)

State well number / Date sampled	Temp when sampled in °F	pH	Specific conductance (micromhos at 25°C)	Mineral constituents in parts per million / equivalents per million / percent reactance value									Mineral constituents in parts per million				
				Calcium Ca	Magnesium Mg	Sodium Na	Potassium K	Carbonate CO_3	Bicarbonate HCO_3	Sulfate SO_4	Chloride Cl	Nitrate NO_3	Fluoride F	Boron B	Silica SiO_2	TDS Evap 180°C Evap 105°C Computed	Total hardness as $CaCO_3$
TIA JUANA HYDRO UNIT Z1100																	
TIA JUANA HYDRO SUBUNIT Z11A0																	
TIA JUANA HYDRO SUBAREA Z11A1																	
19S/ 2W- 4L 4 S	--	7.9	4560	224	106	490	7	0	269	565	879	1.7	0.7	0.23	--	2752	996
6-30-65				11.18	8.72	21.31	0.18		4.41	11.76	24.79	0.03					
				27	21	51			11	29	60					2406	
19S/ 2W- 5Q 2 S	70	7.6	5000	361	120	705	1	0	177	649	1461	0.0	0.4	0.52	--	3954	1395
10-15-64				18.01	9.87	30.65	0.03		2.90	13.51	41.20						
				31	17	52			5	23	72					3385	

STATE WELL NUMBER	DATE SAMPLED	Constituents in parts per billion															
		Aluminum (Al)	Beryllium (Be)	Bismuth (Bi)	Cadmium (Cd)	Cobalt (Co)	Chromium (Cr)	Copper (Cu)	Iron (Fe)	Gallium (Ga)	Germanium (Ge))	Manganese (Mn)	Molybdenum (Mo)	Nickel (Ni)	Lead (Pb)	Titanium (Ti)	Vanadium (V)	Zinc (Zn)
CENTRAL COASTAL DRAINAGE PROVINCE (T)																	
T-10.A3 San Simeon Hydrologic Subarea																	
26S/8E - 36D61 M	4-27-65	7.3	1.3*	0.67*	29	3.3*	30	3.3*	19	13*	0.67*	3.3*	0.67*	4.7	3.3*	1.3*	1.6	13*
T-10.A4 Santa Rosa Hydrologic Subarea																	
27S/9E - 19CS1 M	4-24-65	11	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	27	13*	0.67*	3.3*	2.9	0.87	3.3*	1.3*	13	367
T-12.A0 Santa Maria Hydrologic Submit																	
10N/34W - 29N1 S	6- 3-65	14	0.57*	0.29*	1.4*	1.4*	1.4*	8.0	66	5.7*	0.29*	1.4*	6.0	1.9	3.7	0.57*	1.8	1000
31N1 S	6- 2-65	6.9	0.57*	0.29*	1.4*	1.4*	1.4*	1.4*	2.2	5.7*	0.29*	11	3.1	0.51	1.4*	0.57*	2.9	391
34E2 S	6- 3-65	4.6	0.57*	0.29*	1.4*	1.4*	1.4*	1.4*	1.9	5.7*	0.29*	1.4*	3.7	0.49	1.4*	0.57*	4.0	34
LOS ANGELES DRAINAGE PROVINCE (U)																	
U-03.A1 Oxnard Hydrologic Subarea																	
1N/21W - 19R5 S	8-17-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	36	13*	0.67*	933	15	0.67*	3.3*	1.3*	0.67*	13*
1N/22W - 7J4 S	8-18-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	36	13*	0.67*	1130	8.0	0.67*	3.3*	1.3*	2.5	187
36M1 S	8-25-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	10	13*	0.67*	527	13	0.67*	3.3*	1.3*	0.67*	13
2N/22W - 25A4 S	8-19-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	67	13*	0.67*	3.3*	0.67*	0.67*	20	1.3*	0.67*	3600
31L2 S	8-17-65	7.3	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	6700**	13*	0.67*	28	9.3	0.67*	3.3*	1.3*	1.9	13
U-03.A2 Pleasant Valley Hydrologic Subarea																	
1N/21W - 2J3 S	8-25-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	8.0	13*	0.67*	3.3*	18	0.67*	3.3*	1.3*	7.3	13*
3A2 S	8-19-65	19	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	31	13*	0.67*	28	0.67	0.70	3.3*	1.3*	0.67	13*
9F1 S	8-25-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	15	13*	0.67*	45	0.67*	0.67*	3.3*	1.3*	0.67*	13*
27F2 S	8-19-65	6.0	1.3*	0.67*	3.3*	3.3*	13	3.3*	6700**	13*	0.67*	153	0.67*	3.3	3.3*	1.3*	0.67*	13*
U-03.C1 Fillmore Hydrologic Subarea																	
4N/20W - 25D2 S	8-26-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	8.0	13*	0.67*	3.3*	69	1.4	11	1.3*	0.67*	2330
33F1 S	8-18-65	14	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	17	13*	0.67*	3.3*	3.1*	0.7	3.3*	1.3*	0.67*	13*
U-03.D1 Piru Hydrologic Subarea																	
4N/18W - 28C2 S	8-26-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	15	13*	0.67*	3.3*	0.67*	1.2	3.3*	1.3*	0.67*	13*
31D2 S	8-26-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	8.7	13*	0.67*	3.3*	7.3	0.67*	3.3*	1.3*	0.67*	13*
U-03.D2 Upper Piru Hydrologic Subarea																	
6N/17W - 7K1 S	6-24-65	8.3	0.57*	0.29*	1.4*	1.4*	1.4*	1.4*	160	5.7*	1.0	54	3.4	0.83	1.4*	0.57*	0.29*	5.7*

* Results are less than the amount indicated.
** Results are more than the amount indicated.

TABLE E-2

ANALYSES OF TRACE ELEMENTS IN GROUND WATER

STATE WELL NUMBER	DATE SAMPLED	Constituents in parts per billion																
		Aluminum (Al)	Beryllium (Be)	Bismuth (Bi)	Cadmium (Cd)	Cobalt (Co)	Chromium (Cr)	Copper (Cu)	Iron (Fe)	Gallium (Ga)	Germanium (Ge))	Manganese (Mn)	Molybdenum (Mo)	Nickel (Ni)	Lead (Pb)	Titanium (Ti)	Vanadium (V)	Zinc (Zn)
LOS ANGELES DRAINAGE PROVINCE (U) (continued)																		
U-03.E1 Esstern Hydrologic Subarea																		
4N/16W - 21D1 S	6-29-65	70	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	5.9	13*	0.67*	3.3*	4.3	0.67*	3.3*	1.3*	5.5	13*
4N/17W - 12B4 S	7-20-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	1.6	13*	0.67*	3.3*	0.67*	0.67*	3.3*	1.3*	0.67*	13*
5N/16W - 7J1 S	2- 4-65	6.7	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	6.7	13*	0.67*	8.0	4.7	2.0	3.3*	1.3*	0.87	13*
8D1 S	2- 4-65	4.3	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	3.3*	13*	0.67*	51	0.67*	0.67**	3.3*	1.3*	0.67*	13*
5N/17W - 12D1 S	2- 4-65	7.3	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	3.3*	13*	0.67*	3.3*	4.7	0.67*	3.3*	1.3*	1.3	13*
12J1 S	2- 4-65	4.0	1.3*	0.67*	3.3*	3.3*	3.3*	21	3.3*	13*	0.67*	3.3	3.0	1.7	3.3*	1.3*	4.8	13*
12K1 S	2- 4-65	4.5	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	3.3*	13*	0.67*	127	2.1	0.67*	3.3*	1.3*	0.67*	13*
6N/17W - 36B1 S	2- 4-65	18	1.3*	0.67*	3.3*	3.3*	3.3*	30	3.3*	13*	0.87	16	1.5	0.80	3.3*	1.3*	0.67*	13*
U-03.F2 East Las Posas Hydrologic Subarea																		
3N/19W - 19P2 S	8-26-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	8.7	13*	0.67*	176	0.67*	0.67*	3.3*	1.3*	0.67*	13*
3N/20W - 24R1 S	8-26-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	56	13*	0.67*	34	0.67*	0.67*	3.3*	1.3*	0.67*	13*
U-03.F3 Arroyo Santa Rosa Hydrologic Subarea																		
2N/20W - 25D5 S	8-18-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	21	13*	0.67*	27	8.7	3.5	3.3*	1.3*	100	13*
U-05.A2 West Coast Hydrologic Subarea																		
3S/14W - 35M6 S	7-14-65	10	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	10	13*	0.67*	12	0.67*	0.67**	3.3*	1.3*	0.67*	13*
5S/13W - 2K8 S	7- 9-65	13	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	9.3	13*	0.67*	10000**	2.5	1.9	3.3*	3.1	3.5	13*
4M1 S	7- 9-65	13	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	17	13*	0.67*	667**	2.9	1.7	3.3*	2.4	4.8	13*
11H2 S	7- 9-65	44	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	73	13*	0.67*	10000**	0.67*	6.7	3.3*	6.5	8.0	13*
11H3 S	7- 9-65	31	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	16	13*	0.67*	10000**	0.67*	1.2	4.1	7.3	10	13*
U-05.A3 Santa Monica Hydrologic Subarea																		
1S/15W - 32A5 S	9- 2-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	8.7	13*	0.67*	3.3*	0.67*	1.4	3.3*	1.3*	0.67*	13*
U-05.A5 Central Hydrologic Subarea																		
2S/13W - 32R1 S	7- 6-65	6.3	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	4.1	13*	0.67*	70	9.3	0.67*	3.3*	1.3*	0.67*	13*
3S/11W - 20J6 S	8-12-65	9.3	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	6.7	13*	0.67*	87	3.6	0.67*	3.3*	1.7	0.67*	13*
20R7 S	8-12-65	15	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	67	13*	0.67*	3.3*	11	2.1	3.3*	1.3*	4.0	13*
30H4 S	8-12-65	6.7	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	23	13*	0.67*	3.3*	3.1	0.7	3.3*	1.3*	0.67*	19
3S/12W - 5D3 S	8-12-65	19	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	287	13*	0.67*	3.3*	0.67*	4.1	3.3*	1.3*	0.67*	13*
19N4 S	7-14-65	9.3	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	5.7	13*	0.67*	67	6.7	0.67*	3.3*	1.3*	0.67*	107
4S/11W - 8M2 S	7- 8-65	11	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	1.4	13*	0.67*	3.3*	9.3	0.67*	3.3*	1.3*	0.67*	13*
4S/12W - 1D5 S	7- 8-65	9.3	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	4.3	13*	0.67*	650**	3.3	0.93	3.3*	1.3*	2.6	100**
1F3 S	7- 8-65	9.3	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	4.7	13*	0.67*	3.3*	4.5	0.67	3.3*	1.3*	0.67*	273
U-05.B1 San Fernando Hydrologic Subarea																		
1N/13W - 24P2 S	5-13-65	25	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	26.0	13*	0.67*	1400**	6.7	28	3.3*	4.7	7.3	1000**
1N/14W 9H4 S	6-30-65	9.3	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	5.6	13*	0.67*	3.3*	8.0	0.67*	3.3*	1.3*	5.0	13*
1N/15W 1K2 S	7- 6-65	8.0	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	4.1	13*	0.67*	3.3*	3.7	0.67*	3.3*	1.3*	3.1*	13*

TABLE E-2

ANALYSES OF TRACE ELEMENTS IN GROUND WATER

STATE WELL NUMBER	DATE SAMPLED	Constituents in parts per billion																
		Aluminum (Al)	Beryllium (Be)	Bismuth (Bi)	Cadmium (Cd)	Cobalt (Co)	Chromium (Cr)	Copper (Cu)	Iron (Fe)	Gallium (Ga)	Germanium (Ge))	Manganese (Mn)	Molybdenum (Mo)	Nickel (Ni)	Lead (Pb)	Titanium (Ti)	Vanadium (V)	Zinc (Zn)
LOS ANGELES DRAINAGE PROVINCE (U) (continued)																		
U-05.B4 Verdugo Hydrological Subarea																		
1N/13W - 18N1 S	6-30-65	8.0	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	5.2	13*	0.67*	3.3*	9.3	0.67*	3.3*	1.3*	11	13*
20G1 S	6-30-65	8.0	1.3*	0.67*	3.3*	4.8	3.3*	3.3*	4.9	13*	0.67*	3.3*	6.0	0.67*	3.3*	1.3*	11	13*
U-05.C3 Santa Anita Hydrologic Subarea																		
1N/11W - 21C7 S	7- 2-65	11	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	6.3	13*	0.67*	3.3*	0.67*	0.80	3.3*	1.3*	9.3	13*
21H3 S	7-28-65	13	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	8.0	13*	0.67*	3.3*	0.67*	0.67*	3.3*	1.7	10	13*
U-05.D1 Main San Gabriel Hydrologic Subarea																		
1S/10W - 28K5 S	7- 9-65	3.3*	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	8.7	13*	0.67*	3.3*	30	0.9	3.3*	1.3*	11	13*
30G4 S	7- 7-65	5.2	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	5.6	13*	0.67*	3.3*	3.3	0.67*	3.3*	1.3*	4.0	13*
33D3 S	7-28-65	8.7	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	5.1	13*	0.67*	3.3*	33	0.7	3.3*	1.7	10	28
1S/11W - 2J3 S	7-13-65	8.0	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	7.3	13*	0.67*	3.3*	2.0	0.67*	3.3*	1.3*	2.5	163
12C2 S	7-13-65	10	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	4.4	13*	0.67*	3.3*	0.67*	0.67*	3.3*	1.3*	2.0	13*
13F1 S	7-13-65	11	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	5.1	13*	0.67*	3.3*	0.67*	0.67*	3.3*	1.3*	2.0	13*
19F2 S	7- 7-65	6.7	1.3*	0.67*	3.3*	3.3*	8.7	3.3*	7.3	13*	0.67*	3.3*	8.0	0.67*	3.3*	1.3*	5.5	13*
2S/ 9W - 19E4 S	7-28-65	11	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	5.3	13*	0.67*	3.3*	5.6	1.2	3.3*	1.3*	2.1	13*
2S/11W - 5A1 S	7- 2-65	10	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	4.5	13*	0.67*	3.3*	0.67*	0.67*	3.3*	1.3*	2.1	100**
5A2 S	7- 2-65	6.7	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	8.0	13*	0.67*	3.3*	0.67*	0.67*	3.3*	1.3*	1.7	100**
5B16 S	7- 2-65	8.7	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	6.0	13*	0.67*	6.3*	0.67*	1.5	3.3*	1.3*	2.0	100**
COLORADO RIVER BASIN DRAINAGE PROVINCE (X)																		
X-07.00 Deadman Hydrologic Unit																		
2N/7E - 3A1 S	11-10-64	7.3	1.3*	0.67*	3.3*	3.3*	11	3.3*	3.3*	13*	5.7	3.3*	5.2	0.67*	3.3*	1.3*	22	13*
3B1 S	11-10-64	5.9	1.3*	0.67*	3.3*	5.9	5.7	3.3*	3.3*	13*	5.0	-	3.7	0.67*	3.3*	1.3*	12	13*
SANTA ANA DRAINAGE PROVINCE (Y)																		
Y-01.B1 Chino Hydrologic Subarea																		
1S/8W - 33D1 S	7-13-65	6.3	1.3*	0.67*	3.3*	3.3*	3.3*	3.3*	4.7	13*	0.67*	6.3*	3.9	0.67*	3.3	1.3*	7.3	13*
Y-01.C2 Redford Hydrologic Subarea																		
4S/6W - 22D1 S	3-20-65	4.2	2.0*	1.0*	5.0*	5.0*	5.0*	5.0*	14	20*	1.0*	5.0*	6.3	1.0	5.0*	1.8	2.4	20*

TABLE E-3

RADIOASSAYS OF GROUND WATER

CENTRAL COASTAL DRAINAGE PROVINCE (T)

State Well Number	Date Sampled	Picocuries per liter[a]		
		Gross Alpha Gross Beta	Solid Alpha Solid Beta	Dissolved Alpha Dissolved Beta
T-09.10 Pozo Hydrologic Subunit				
30S/15E-10G2 M	10- 4-64	0.72 ± 2.09 0.18 ± 10.80		
T-10.B2 Chorro Hydrologic Subarea				
29S/11E-32M1 M	10- 7-64	5.65 ± 2.50 -10.31		
T-10.B4 San Luis Obispo Creek Hydrologic Subarea				
31S/12E-32D2 M	10-14-64	0.00 -5.10		
T-10.B6 Pismo Hydrologic Subarea				
32S/12E-13J1 M	10-13-64	211.00 ± 68.60 23.82 ± 14.38		
T-10.C1 Arroyo Grande Hydrologic Subarea				
32S/13E-32H1 M	10-14-64	-1.22 -10.34		
T-11.00 Carrizo Plain Hydrologic Unit				
30S/18E- 2N1 M	10- 7-64	3.60 ± 3.42 -8.04		

a Deviations reported at the 95% confidence level

TABLE E-3

RADIOASSAYS OF GROUND WATER

LOS ANGELES DRAINAGE PROVINCE (U)

State Well Number	Date Sampled	Picocuries per liter[a]		
		Gross Alpha Gross Beta	Solid Alpha Solid Beta	Dissolved Alpha Dissolved Beta
	U-02.C1 Upper Ojai Hydrologic Subarea			
4N/22W- 9Q2 S	10-28-64		0.41 ± 0.81 -3.10	4.15 ± 6.23 15.21 ± 13.72
4N/22W-12N1 S	10-28-64		-0.26 -1.08	1.21 ± 2.56 -5.34
	U-02.C2 Ojai Hydrologic Subarea			
4N/23W-11D1 S	10-22-64		0.07 ± 0.73 -10.53	-1.13 -12.37
4N/23W-12H2 S	10-27-64		0.15 ± 0.63 -2.00	-2.52 -16.79
	U-03.A2 Pleasant Valley Hydrologic Subarea			
2N/21W-23K4 S	12-21-64	-2.73 ± 1.13 -8.44 ± 10.61		
	U-03.D1 Piru Hydrologic Subarea			
4N/19W-33D4 S	12- 1-64	6.82 ± 11.76 13.30 ± 14.47		
	U-03.F3 Arroyo Santa Rosa Hydrologic Subarea			
2N/20W-24E1 S	10-28-64	8.25 ± 6.02 -3.93		
	U-05.A2 West Coast Hydrologic Subarea			
3S/14W-25K4 S	10-26-64	-0.86 2.16 ± 10.95		
3S/14W-27C1 S	10-26-64	-0.30 -3.39		
3S/14W-30H2 S	11- 2-64		-0.41 -3.48	-1.43 -6.25

TABLE E-3

RADIOASSAYS OF GROUND WATER

LOS ANGELES DRAINAGE PROVINCE (U)
(Cont'd)

State Well Number	Date Sampled	Picocuries per liter[a]		
		Gross Alpha Gross Beta	Solid Alpha Solid Beta	Dissolved Alpha Dissolved Beta
		U-05.A2 West Coast Hydrologic Subarea		
4S/14W- 9Q1 S	10-30-64	$\frac{1.67 \pm 3.60}{0.56 \pm 11.97}$		
4S/14W-16L4 S	10-29-64	$\frac{5.13 \pm 4.46}{-13.22}$		

TABLE E-3

RADIOASSAYS OF GROUND WATER

SAN DIEGO DRAINAGE PROVINCE (Z)

State Well Number	Date Sampled	Picocuries per liter[a]		
		Gross Alpha Gross Beta	Solid Alpha Solid Beta	Dissolved Alpha Dissolved Beta
		Z-01.C0 San Clemente Hydrologic Subunit		
9S/7W-10A1 S	11-23-64		-0.07 -3.19	1.69 ± 2.64 17.41 ± 11.97
9S/7W-10A2 S	11-23-64		0.30 ± 0.81 6.20 ± 7.94	1.49 ± 3.27 -21.17
9S/7W-10A3 S	11-23-64		0.48 ± 0.81 -9.91	0.77 ± 2.61 5.49 ± 10.91
9S/7W-10H1 S	11-23-64		-0.15 4.35 ± 8.78	-0.12 3.65 ± 11.11
		Z-01.D0 San Mateo Hydrologic Subunit		
9S/7W-11A1 S	11-23-64		-0.26 -6.70	-1.92 -12.86
9S/7W-14G1 S	11-23-64		0.07 ± 0.73 -4.08	0.75 ± 3.29 1.61 ± 10.99
		Z-02.C2 Murrieta Hydrologic Subarea		
8S/3W-12N5 S	12- 2-64		-0.59 4.90 ± 8.88	-0.43 7.12 ± 12.33
		Z-02.C3 French Hydrologic Subarea		
6S/2W-28G3 S	12- 2-64		-0.59 -2.26	0.86 ± 1.71 -8.31
		Z-02.C5 Domenigoni Hydrologic Subarea		
6S/2W- 3R2 S	12- 2-64		0.26 ± 0.73 -1.88	-0.19 7.47 ± 11.34
		Z-02.D1 Auld Hydrologic Subarea		
7S/2W-10D1 S	12- 2-64		0.33 ± 0.81 -0.67	10.07 ± 1.67 2.54 ± 9.55

TABLE E-3

RADIOASSAYS OF GROUND WATER

SAN DIEGO DRAINAGE PROVINCE (Z)
(Cont'd)

State Well Number	Date Sampled	Picocuries per liter[a]		
		Gross Alpha Gross Beta	Solid Alpha Solid Beta	Dissolved Alpha Dissolved Beta
		Z-02.D4 Tucalota Hydrologic Subarea		
7S/1W-12H1 S	12- 2-64		0.07 ± 0.63 -0.12	4.59 ± 6.49 12.05 ± 13.47
		Z-02.E2 Pechanga Hydrologic Subarea		
8S/2W-20B4 S	12- 2-64		-0.30 -2.70	3.65 ± 5.31 -0.93
		Z-02.F1 Lancaster Valley Hydrologic Subarea		
8S/1E- 7Q4 S	12- 2-64		-0.59 -7.80	0.53 ± 4.47 -2.00
		Z-02.G1 Lower Coahuila Hydrologic Subarea		
7S/2E-32J1 S	12- 3-64		0.71 ± 0.89 -0.26	0.98 ± 1.53 7.28 ± 10.48
		Z-03.A1 Mission Hydrologic Subarea		
11S/4W- 4N1 S	11-19-64		-0.04 8.05 ± 8.58	5.51 ± 5.63 3.55 ± 13.04
11S/4W- 6R4 S	11-19-64		-6.25 -3.33	-0.52 10.87 ± 8.97
11S/4W- 8K1 S	11-19-64		0.26 ± 0.73 -4.24	21.43 ± 44.72 10.21 ± 13.32
11S/4W- 8N3 S	12-23-64		0.59 ± 0.96 6.29 ± 8.85	2.34 ± 2.58 1.48 ± 11.06
11S/4W-18L3 S	12-23-64		0.30 ± 0.81 -1.86	-35.00 2.37 ± 15.03
		Z-03.C1 Warner Hydrologic Subarea		
11S/3E- 3N1 S	12- 3-64		0.15 ± 0.64 -9.28	-0.46 9.48 ± 10.59

TABLE E-3

RADIOASSAYS OF GROUND WATER

SAN DIEGO DRAINAGE PROVINCE (Z)
(Cont'd)

State Well Number	Date Sampled	Picocuries per liter[a]		
		Gross Alpha Gross Beta	Solid Alpha Solid Beta	Dissolved Alpha Dissolved Beta
		Z-04.B1 Carlsbad Hydrologic Subarea		
11S/4W-33F1 S	11-19-64		0.45 ± 0.81 9.33 ± 8.73	-8.00 2.32 ± 13.58
		Z-04.C1 Agua Hedionda Hydrologic Subarea		
12S/4W-10H3 S	11-19-64		0.11 ± 0.63 2.42 ± 8.71	-5.22 -1.04
		Z-06.A0 Soledad Hydrologic Subunit		
14S/3W-19Q1 S	11-19-64		-0.45 1.67 ± 9.43	4.65 ± 7.75 29.52 ± 15.10
		Z-07.A2 Santee Hydrologic Subarea		
15S/1W-28Q3 S	11-18-64		-0.22 0.03 ± 8.62	3.33 ± 8.17 2.29 ± 12.49
		Z-07.A3 El Cajon Hydrologic Subarea		
15S/1E-31R1 S	11-18-64		-0.07 -4.46	7.12 ± 6.25 12.97 ± 13.25
16S/1W- 1G1 S	11-18-64		-1.78 10.00 ± 28.67	-0.52 0.43 ± 8.64
16S/1W- 2K6 S	11-18-64		-0.33 -1.27	3.60 ± 7.84 10.84 ± 14.16
16S/1W- 3C2 S	11-18-64		-0.30 -7.13	6.33 ± 6.00 7.35 ± 11.51
16S/1W-11P4 S	11-18-64		0.00 -4.37	2.22 ± 9.43 8.37 ± 30.85
16S/1W-12J3 S	11-18-64		-0.22 -1.86	6.15 ± 16.85 7.27 ± 30.30
		Z-09.A2 Sweetwater Hydrologic Subarea		
16S/1W-15K8 S	11-18-64		0.74 ± 0.63 -2.62	4.44 ± 10.89 22.17 ± 34.00

TABLE E-3

RADIOASSAYS OF GROUND WATER

SAN DIEGO DRAINAGE PROVINCE (Z)
(Cont'd)

State Well Number	Date Sampled	Picocuries per liter[a]		
		Gross Alpha Gross Beta	Solid Alpha Solid Beta	Dissolved Alpha Dissolved Beta
		Z-10.C3 Jamul Hydrologic Subarea		
17S/1E-10G1 S	11-17-64		0.74 ± 0.63 3.77 ± 8.48	5.96 ± 5.44 9.25 ± 11.38
		Z-11.A1 Tia Juana Hydrologic Subarea		
18S/2W-35L1 S	10-15-64		2.01 ± 1.02 -0.17	7.45 ± 6.26 0.25 ± 11.46
19S/2W-1M13 S	10-15-64		-0.26 1.16 ± 8.62	4.00 ± 9.80 99.04 ± 34.61
19S/2W-4A10 S	10-15-64		-0.75 3.90 ± 9.94	51.36 ± 99.59 6.23 ± 14.56
19S/2W- 5Q2 S	10-15-64		0.07 ± 0.57 -1.07	-4.00 -25.61

TABLE E-4

ANALYSES OF SYNTHETIC DETERGENTS IN GROUND WATER

State Well Number	Date Sampled	Parts per Million	
		MBAS[a] as ABS	PO_4
CENTRAL COASTAL DRAINAGE PROVINCE (T)			
T-09.H0 Paso Robles Hydrologic Subunit			
25S/12E- 8G1 M	5- 4-65	0.20	0.10
- 8R1 M	5- 4 65	0.40	0.00
-16L2 M	5- 4-65	0.00	0.00
26S/12E- 5A2 M	12-18-64	0.00	--
-21D1 M	5- 6-65	0.40	0.10
-21L1 M	5- 6-65	0.20	1 40
-33B2 M	5-28-65	0.60	--
-33Q2 M	5- 6-65	0.00	0.20
LOS ANGELES DRAINAGE PROVINCE (U)			
U-05.A5 Central Hydrologic Subarea			
2S/11W-30Q1 S	7-20-65	0.06	0.04
	9-29-65	0.04	0.05
2S/12W-10J1 S	9-29-65	0.01	0.06
-12E2 S	7-20-65	0.04	0.06
-13D7 S	7-20-65	0.04	0.02
-14B8 S	9-29-65	0.02	0.04
-21B5 S	2- 9-65	0.00	0.80
	7-20-65	0.03	0.00
	9-29-65	0.02	0.06
-24E6 S	2- 9-65	0.12	0.30
	7-20-65	0.04	0.02
	9-29-65	0.03	0.09

State Well Number	Date Sampled	Parts per Million	
		MBAS as ABS	PO_4
LOS ANGELES DRAINAGE PROVINCE (U) (cont'd)			
U-05 A5 Central Hydrologic Subarea			
2S/12W-25E10 S	2- 9-65	0.10	1.00
	7-20-65	0.03	0.00
	9-29-65	0.02	0.10
-25Q 5 S	7-20-65	0.07	0.00
	9 29-65	0.06	0.06
-26E 3 S	2- 9-65	0.12	0.00
	7-20-65	0.06	0.06
	9-29-65	0.06	0.06
-28A 4 S	2- 9-65	0.10	0.70
	7-20-65	0.04	0.10
	9-29-65	0.02	1.20
-35D 2 S	2- 9-65	0.10	0.50
	7-20-65	0.03	0.02
	9-29-65	0.11	0.08
3S/12W- 1K 1 S	7-20-65	0.04	0.08
	9-29-65	0.04	0.02
-11E 1 S	7-20-65	0.04	0.00
	9-29-65	0.02	0.00
LAHONTAN DRAINAGE PROVINCE (W)			
W-28.E0 Lower Mojave Hydrologic Subunit			
9N/ 1W- 9G 3 S	2-19-65	1.16	--
- 9H 1 S	2-19-65	0.44	--

a Methylene blue active substance as alkyl benzene sulfonate. See page 6.

TABLE E-4

ANALYSES OF SYNTHETIC DETERGENTS IN GROUND WATER

State Well Number	Date Sampled	Parts per Million MBAS as ABS	Parts per Million PO_4
SANTA ANA DRAINAGE PROVINCE (Y)			
Y-01.A1 East Coastal Plain Hydrologic Subarea			
5S/11W-21M7 S	1-25-65	0.10	--
-21N1 S	1-25-65	0.10	--
-21N2 S	1-25-65	0.10	--
-21N3 S	1-25-65	0.10	--
-21N4 S	1-25-65	0.10	--
-21N5 S	1-25-65	0.20	--
-21N6 S	1-25-65	0.00	--
-21N7 S	1-25-65	0.00	--
-21N8 S	1-25-65	0.10	--
-28D5 S	12-23-64	0.05	--
-28D6 S	12-18-64	0.00	--
-28D6 S	1-25-65	0.10	--
-29A7 S	1-25-65	0.10	--
Y-01.B1 Chino Hydrologic Subarea			
1S/ 6W-16A1 S	3- 8-65	0.04	--
-17H1 S	3- 8-65	0.03	--
-28N3 S	3- 8-65	0.03	--
-29R1 S	3- 8-65	0.05	--
-31D1 S	3-11-65	0.02	--
-31D1 S	9-30-65	0.01	--
-31M1 S	3-11-65	0.06	--
-31M1 S	9-29-65	0.04	--
1S/ 7W-26A1 S	9-30-65	0.02	--

State Well Number	Date Sampled	Parts per Million MBAS as ABS	Parts per Million PO_4
SANTA ANA DRAINAGE PROVINCE (Y) cont'd			
Y-01.B1 Chino Hydrologic Subarea			
1S/7W-26P1 S	3-11-65	0.02	--
-26P1 S	9-30-65	0.00	--
-35B1 S	9-30-65	0.02	--
2S/7W- 2G1 S	3-11-65	0.02	--
- 2Q1 S	3-11-65	0.06	--
-10C1 S	3- 8-65	0.13	--
-10H1 S	3- 9-65	0.20	--
-10L4 S	3- 8-65	0.16	--
-20L1 S	3- 8-65	0.06	--
-30G1 S	3- 8-65	0.13	--
-30H1 S	10-29-64	0.06	--
-30H1 S	3- 8-65	0.03	--
2S/8W-23C4 S	3- 8-65	0.05	--
-25L1 S	3- 8-65	0.04	--
-25M1 S	3- 8-65	0.01	--
-26C2 S	3- 8-65	0.03	--
Y-01.B5 Temescal Hydrologic Subarea			
3S/6W-28L1 S	3- 5-65	0.20	--
-28L1 S	9-21-65	0.20	--
3S/7W-21N1 S	3- 5-65	0.02	--
-21N1 S	9-21-65	0.05	--
-22G2 S	3- 5-65	0.16	--
-22J4 S	3- 5-65	0.17	--

TABLE E-4

ANALYSES OF SYNTHETIC DETERGENTS IN GROUND WATER

State Well Number	Date Sampled	Parts per Million	
		MBAS as ABS	PO_4
SANTA ANA DRAINAGE PROVINCE (Y) cont'd.			
Y-01.B5 Temescal Hydrologic Subarea			
3S/7W-22L1 S	3- 5-65	0.06	--
	9-21-65	0.06	--
-28B1 S	3- 5-65	0.11	--
	9-21-65	0.05	--
Y-01.B7 Riverside Hydrologic Subarea			
1S/4W-28L2 S	3-25-65	0.04	0.06
	5-19-65	0.13	0.10
	8- 9-65	0.08	0.04
-28N5 S	10- 7-64	0.11	0.06
	3-25-65	0.22	0.04
	5-19-65	0.24	0.08
-28R1 S	3-19-65	0.06	0.08
	5-17-65	0.07	0.06
	8- 9-65	0.04	0.16
-29H1 S	10- 1-64	0.20	--
	3- 5-65	0.08	--
	9-21-65	0.11	--
-29H3 S	3-19-65	0.06	0.06
	5-19-65	0.06	0.06
	8- 9-65	0.06	0.06
-29Q1 S	10- 1-64	1.04	--
	9-21-65	0.25	--
-29Q3 S	3- 5-65	0.03	--
	4- 1-65	0.06	0.02

State Well Number	Date Sampled	Parts per Million	
		MBAS as ABS	PO_4
SANTA ANA DRAINAGE PROVINCE (Y) cont'd.			
Y-01.B7 Riverside Hydrologic Subarea			
1S/4W-30D 6 S	10- 2-64	0.08	--
	3- 9-65	0.07	--
-30L 4 S	10- 2-64	0.54	--
	3- 9-65	0.83	--
-31A 2 S	10- 2-64	0.52	--
	3- 9-65	1.00	--
	3-19-65	1.00	2.30
	5-18-65	1.30	3.50
	8- 5-65	0.69	3.40
	9-20-65	0.68	--
-31D 1 S	3-25-65	1.80	24.00
	5-19-65	1.68	24.00
	8- 5-65	1.52	19.00
-32E11 S	5-19-65	0.51	0.12
-32M 1 S	5-18-65	0.05	0.06
	8- 5-65	0.02	0.02
1S/5W-24E 1 S	3- 9-65	0.03	--
	9-20-65	0.06	--
-24Q 1 S	10- 2-64	0.06	--
	3- 9-65	0.02	--
	9-20-65	0.04	--
-25A 2 S	9-20-65	0.06	--
-25E 1 S	10- 2-64	0.06	
	3- 9-65	0.01	--
	9-20-65	0.06	--

TABLE E-4

ANALYSES OF SYNTHETIC DETERGENTS IN GROUND WATER

State Well Number	Date Sampled	Parts per Million		State Well Number	Date Sampled	Parts per Million	
		MBAS as ABS	PO_4			MBAS as ABS	PO_4
SANTA ANA DRAINAGE PROVINCE (Y) cont'd.				SANTA ANA DRAINAGE PROVINCE (Y) cont'd.			
Y-01.B7 Riverside Hydrologic Subarea				Y-01.B7 Riverside Hydrologic Subarea			
1S/5W-25L2 S	3-18-65	0.36	3.50	2S/4W- 6K2 S	10- 1-64	0.09	0.00
	5-19-65	0.36	0.23		3-19-65	0.13	0.04
	8- 4-65	0.32	20.00	- 6Q2 S	10- 1-64	0.09	0.00
-25R1 S	10- 2-64	0.42	--		3-19-65	0.08	0.04
	3- 9-65	0.36	--		5-19-65	0.10	0.08
	3-19-65	0.46	0.02		8- 9-65	0.12	0.06
	5-17-65	0.36	0.12	- 6R5 S	10- 1-64	0.03	0.00
	8- 5-65	0.20	0.00		3-19-65	0.12	0.14
	9-20-65	0.30	--	2S/5W- 1J2 S	10- 2-64	0.18	--
-25R4 S	5-17-65	0.40	0.18		3- 9-65	0.31	--
-35G1 S	3-18-65	0.02	0.10		9-20-65	0.08	--
	5-19-65	0.06	0.04	-11A1 S	10- 6-64	0.70	0.00
	8- 6-65	0.06	0.08		3-26-65	0.55	0.10
-36A1 S	12- 3-64	0.16	0.70		4- 1-65	0.53	0.02
	3- 5-65	0.09	0.00		5-19-65	0.60	0.04
-36B6 S	10- 2-64	0.44	--		8-10-65	0.60	0.06
	3- 9-65	0.48	--	-11M1 S	10- 5-64	0.04	0.02
	3-18-65	0.35	0.04		3-17-65	0.03	0.06
	5-17-65	0.36	0.06		5-20-65	0.08	0.04
	8- 5-65	0.60	--		8- 9-65	0.06	0.00
	9-20-65	0.52	--	-12B2 S	10- 1-64	0.05	0.00
2S/4W- 5C1 S	10- 1-64	0.14	0.04		3-17-65	0.13	0.10
	5-17-65	0.14	0.08		5-19-65	0.09	0.04
	8- 9-65	0.16	0.04		8- 5-65	0.10	0.04

TABLE E-4

ANALYSES OF SYNTHETIC DETERGENTS IN GROUND WATER

State Well Number	Date Sampled	Parts per Million	
		MBAS as ABS	PO_4
SANTA ANA DRAINAGE PROVINCE (Y) cont'd.			
Y-01.B7 Riverside Hydrologic Subarea			
2S/5W-12C1 S	10- 1-64	0.36	--
	10- 2-64	0.23	--
	3-17-65	0.13	0.06
	5-19-65	0.20	0.04
	8-10-65	0.20	0.04
-12E1 S	10- 1-64	0.00	0.00
	3-17-65	0.01	0.04
	5-19-65	0.03	0.08
	8- 5-65	0.04	0.04
-12E2 S	10- 1-64	0.06	0.00
	3-17-65	0.39	0.10
	5-19-65	0.36	0.04
	8- 5-65	0.34	0.00
-14G2 S	10- 5-64	0.02	0.02
	3-17-65	0.02	0.10
	5-20-65	0.06	0.00
	8- 9-65	0.10	0.08
-20R1 S	10- 5-64	0.05	0.18
	3-18-65	0.03	0.12
	5-24-65	0.04	0.10
	8- 9-65	0.08	0.10
-21J1 S	10- 5-65	0.05	0.00
	3-18-65	0.01	0.06
	5-20-65	0.06	0.02
	8-10-65	0.06	0.06

State Well Number	Date Sampled	Parts per Million	
		MBAS as ABS	PO_4
SANTA ANA DRAINAGE PROVINCE (Y) cont'd.			
Y-01.B7 Riverside Hydrologic Subarea			
2S/5W-22D1 S	10- 5-64	0.02	0.06
	3-18-65	0.03	0.06
	5-20-65	0.06	0.04
-28D1 S	3-25-65	0.22	0.00
-29E4 S	10- 5-64	0.05	0.12
	3-18-65	0.16	0.40
	5-24-65	0.12	0.20
	8-10-65	0.10	0.00
Y-01.C2 Bedford Hydrologic Subarea			
4S/6W-21J1 S	3-20-65	0.08	--
-22D1 S	3-20-65	0.12	--
Y-01.D4 Colton-Rialto Hydrologic Subarea			
1S/4W-21L3 S	3-19-65	0.46	0.04
	5-18-65	0.56	0.20
	8- 3-65	0.47	0.00
-21R1 S	10- 6-64	2.00	0.00
	2- 4-65	0.77	--
	3-18-65	2.00	0.04
	5-18-65	2.12	0.02
	8- 9-65	2.30	0.06
-21R3 S	11-30-64	0.12	1.24
	3- 1-65	0.08	1.00
	6- 1-65	0.08	0.12
	8- 2-65	0.08	0.58

TABLE E-4

ANALYSES OF SYNTHETIC DETERGENTS IN GROUND WATER

State Well Number	Date Sampled	Parts per Million MBAS as ABS	Parts per Million PO_4
SANTA ANA DRAINAGE PROVINCE (Y) cont'd.			
Y-01.D4 Colton-Rialto Hydrologic Subarea			
1S/4W-21R4 S	11-30-64	0.03	0.16
	3- 1-65	0.02	0.20
	6- 1-65	0.02	0.14
	8- 2-65	0.03	0.12
-21R5 S	11-30-64	0.03	0.00
	3- 1-65	0.03	0.02
	6- 1-65	0.02	0.04
	8- 2-65	0.08	0.00
-21R6 S	11-30-64	0.04	0.00
	2-26-65	0.02	0.28
	6- 3-65	0.04	0.00
	8- 2-65	0.04	0.02
-21R7 S	11-30-64	0.03	0.12
	2-25-65	0.10	0.00
	6- 3-65	0.04	0.14
	8- 2-65	0.04	0.18
-28G2 S	3-19-65	0.08	0.06
	5-17-65	0.10	0.00
	8- 9-65	0.10	0.04
-29A1 S	5-17-65	0.04	0.00
-29A2 S	3-19-65	0.04	0.00
Y-01.E2 Bunker Hill Hydrologic Subarea			
1S/3W- 9E2 S	3- 9-65	0.04	--
-17C3 S	3- 9-65	0.08	--
	9-29-65	0.12	--

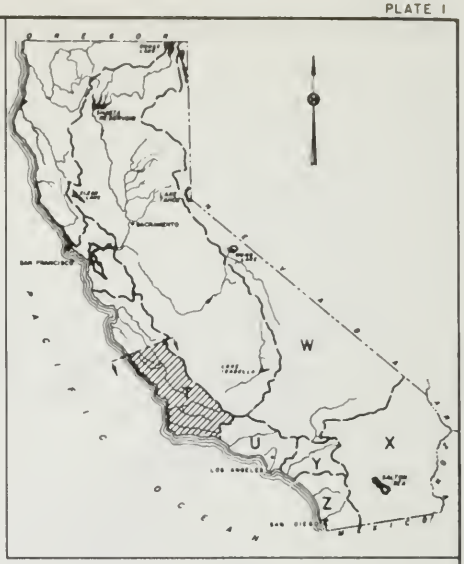
State Well Number	Date Sampled	Parts per Million MBAS as ABS	Parts per Million PO_4
SANTA ANA DRAINAGE PROVINCE (Y) cont'd.			
Y-01.E2 Bunker Hill Hydrologic Subarea			
1S/3W-19G2 S	3- 9-65	0.12	--
-19J1 S	9-29-65	0.04	--
1S/4W-13E7 S	3-25-65	0.00	0.00
-13G2 S	9-29-65	0.02	--
-13L1 S	9-29-65	0.14	--
-13M2 S	9-29-65	0.02	--
-13N1 S	5-17-65	0.03	0.06
-13N5 S	10- 6-64	0.06	0.00
	5-17-65	0.10	0.10
	8- 9-65	0.09	0.04
-14J3 S	3-25-65	0.02	0.04
	5-17-65	0.02	0.04
	8- 4-65	0.04	0.00
-22A5 S	3-19-65	0.00	0.04
	5-18-65	0.02	0.24
-22E1 S	3-19-65	0.02	0.00
	5-18-65	0.03	0.00
	8- 9-65	0.01	0.06
-22L5 S	10- 7-64	0.00	0.08
	3-25-65	0.02	0.12
	5-18-65	0.01	0.08
-23C2 S	4- 1-65	0.02	0.04
	5-18-65	0.01	0.06
	8-10-65	0.02	0.02

TABLE E-4

ANALYSES OF SYNTHETIC DETERGENTS IN GROUND WATER

State Well Number	Date Sampled	Parts per Million	
		MBAS as ABS	PO_4
SANTA ANA DRAINAGE PROVINCE (Y) cont'd.			
Y-01.E2 Bunker Hill Hydrologic Subarea			
1S/4W-23D2 S	3-25-65	0.00	0.04
-23J1 S	8- 4-65	0.06	0.00
-23K2 S	10- 6-64	0.07	0.08
	5-17-65	0.06	0.12
	8- 9-65	0.09	1.20
-23P3 S	3-18-65	0.02	0.02
	8- 9-65	0.03	0.04
-24E1 S	10- 2-64	0.05	--
-26F1 S	10- 6-64	0.01	0.08
	3-25-65	0.02	0.03
	5-17-65	0.06	0.00
	8- 9-65	0.03	0.06
-27B2 S	3-25-65	0.07	0.08
	5-18-65	0.03	0.08
	8- 9-65	0.02	0.02
1N/4W-29F1 S	12- 2-64	0.05	--
SAN DIEGO DRAINAGE PROVINCE (Z)			
Z-07.A1 Mission San Diego Hydrologic Subarea			
16S/2W- 9B1 S	11-18-64	0.60	0.00
- 9B2 S	11-18-64	0.00	0.00
- 9C9 S	6- 3-65	0.87	--
-17D1 S	6- 2-65	0.33	--

State Well Number	Date Sampled	Parts per Million	
		MBAS as ABS	PO_4
SAN DIEGO DRAINAGE PROVINCE (Z) cont'd.			
Z-07.A1 Mission San Diego Hydrologic Subarea			
16S/2W-17H1 S	11-18-64	0.14	0.08
-18L1 S	6- 2-65	0.20	--
16S/3W-21J1 S	6- 2-65	0.43	--
Z-07.A2 Santee Hydrologic Subarea			
15S/1W-27A5 S	6- 3-65	0.30	--
-28Q3 S	11-18-64	1.02	0.16
-30K2 S	11-18-64	0.30	0.00
	6- 3-65	0.32	--
Z-07.A3 El Cajon Hydrologic Subarea			
15S/1W-28Q4 S	6- 3-65	0.60	--
16S/1W-3C2 S	11-18-64	0.10	0.00



KEY MAP

LEGEND

- DRAINAGE PROVINCE BOUNDARY
- HYDROLOGIC UNIT BOUNDARY
- HYDROLOGIC SUBUNIT BOUNDARY
- HYDROLOGIC SUBAREA BOUNDARY
- 283 AREAL CODE NUMBER
- WATER BEARING SEDIMENTS

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

HYDROLOGIC DATA, 1965

NAMES AND AREAL CODE NUMBERS OF HYDROLOGIC AREAS CENTRAL COASTAL DRAINAGE PROVINCE (T)

SCALE OF MILES

0 8 16 24

1967

PLATE 1

AREAL DESIGNATIONS
HYDROLOGIC UNITS, SUBUNITS AND SUBAREAS

CENTRAL COASTAL DRAINAGE PROVINCE

T-09-00 SALINAS HYDRO UNIT
T-09-M0 PASO ROBLES HYDRO SUBUNIT
T-09-10 ROZO HYDRO SUBUNIT

T-10-00 SAN LUIS OBISPO HYDRO UNIT
T-10-AU CAMBRIA HYDRO SUBUNIT
T-10-A1 SAN CARPOFORO HYDRO SUBAREA
T-10-A2 ARROYO DE LA CRUZ HYDRO SUBAREA
T-10-A3 SAN SIMEON HYDRO SUBAREA
T-10-A4 SANTA ROSA HYDRO SUBAREA
T-10-A5 VILLA HYDRO SUBAREA
T-10-A6 CAYUCOS HYDRO SUBAREA
T-10-A7 OLIO HYDRO SUBAREA
T-10-A8 TORO HYDRO SUBAREA
T-10-B0 SAN LUIS OBISPO HYDRO SUBUNIT
T-10-B1 MORRO HYDRO SUBAREA
T-10-B7 CHORRO HYDRO SUBAREA
T-10-B3 LOS OSOS HYDRO SUBAREA
T-10-B4 SAN LUIS OBISPO CR HYDRO SUBAREA
T-10-B5 POINT SAN LUIS HYDRO SUBAREA
T-10-B6 PISMO HYDRO SUBAREA
T-10-C0 ARROYO GRANDE HYDRO SUBUNIT
T-10-C1 ARROYO GRANDE HYDRO SUBAREA
T-10-C2 NIPOMO MESA HYDRO SUBAREA

T-11-00 CARRIZO PLAIN HYDRO UNIT

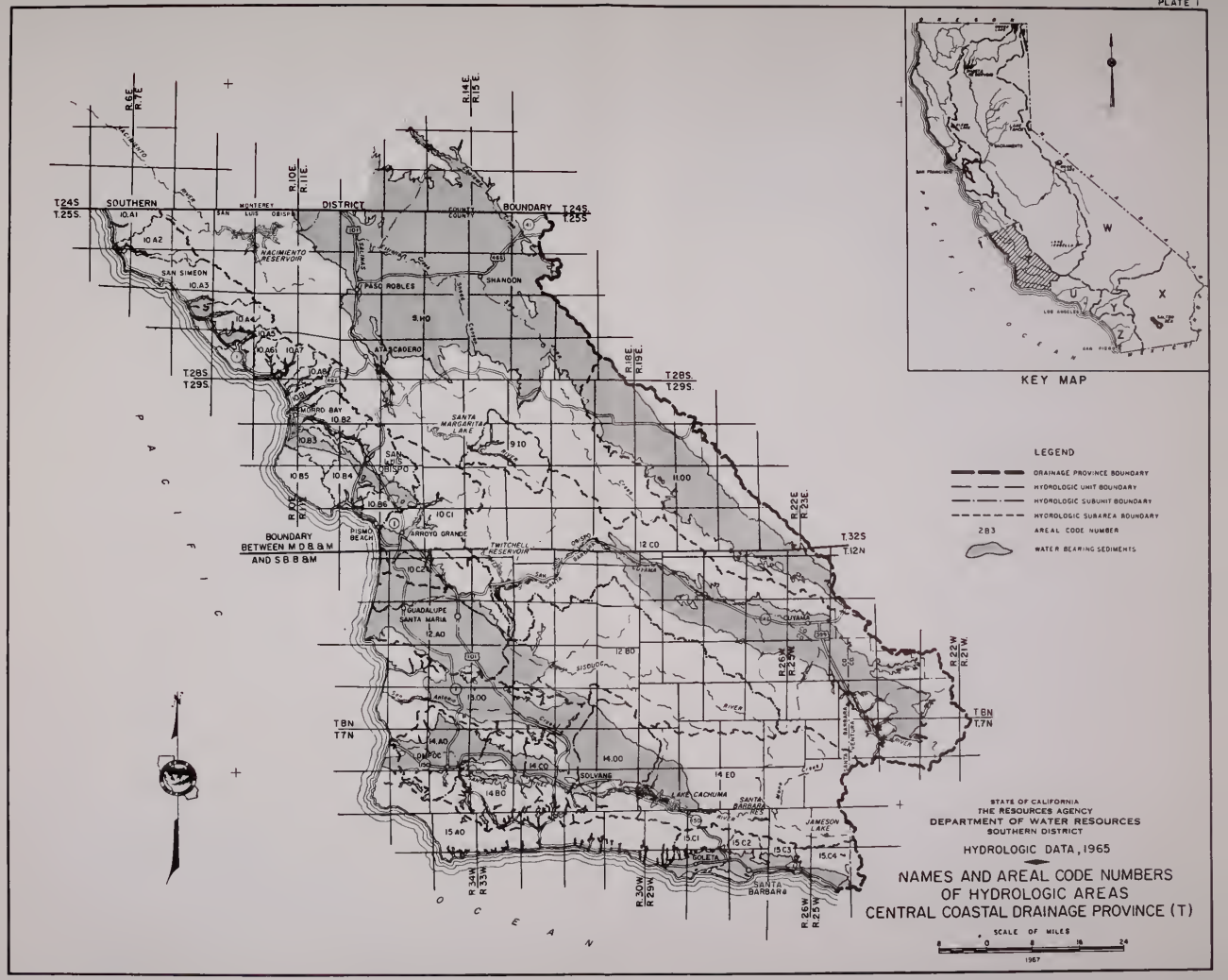
T-12-00 SANTA MARIA-CUYAMA HYDRO UNIT
T-12-A0 SANTA MARIA HYDRO SUBUNIT
T-12-B0 SISQUOC HYDRO SUBUNIT
T-12-C0 CUYAMA VALLEY HYDRO SUBUNIT

T-13-00 SAN ANTONIO HYDRO UNIT

T-14-00 SANTA YNEZ HYDRO UNIT
T-14-A0 LOMPOC HYDRO SUBUNIT
T-14-B0 SANTA RITA HYDRO SUBUNIT
T-14-C0 BUELLTON HYDRO SUBUNIT
T-14-D0 SANTA YNEZ HYDRO SUBUNIT
T-14-E0 HEADWATER HYDRO SUBUNIT

T-15-00 SANTA BARBARA HYDRO UNIT
T-15-A0 ARGUELLO HYDRO SUBUNIT
T-15-C0 SOUTH COAST HYDRO SUBUNIT
T-15-C1 GOLETA HYDRO SUBAREA
T-15-C2 SANTA BARBARA HYDRO SUBAREA
T-15-C3 MONTECITO HYDRO SUBAREA
T-15-C4 CARPINTERIA HYDRO SUBAREA

T-16-00 SANTA BARBARA CHANNEL ISLANDS HYDRO UNIT
T-16-A0 SAN MIGUEL ISLAND HYDRO SUBUNIT
T-16-B0 SANTA ROSA ISLAND HYDRO SUBUNIT
T-16-C0 SANTA CRUZ ISLAND HYDRO SUBUNIT



STATE OF CALIFORNIA
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DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

HYDROLOGIC DATA, 1965

NAMES AND AREAL CODE NUMBERS OF HYDROLOGIC AREAS CENTRAL COASTAL DRAINAGE PROVINCE (T)

KEY MAP

LEGEND

- DRAINAGE PROVINCE BOUNDARY
- HYDROLOGIC UNIT BOUNDARY
- HYDROLOGIC SUBUNIT BOUNDARY
- HYDROLOGIC SUBAREA BOUNDARY
- 283 AREAL CODE NUMBER
- WATER BEARING SEDIMENTS

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

HYDROLOGIC DATA, 1965

NAMES AND AREAL CODE NUMBERS OF HYDROLOGIC AREAS LOS ANGELES DRAINAGE PROVINCE (U)

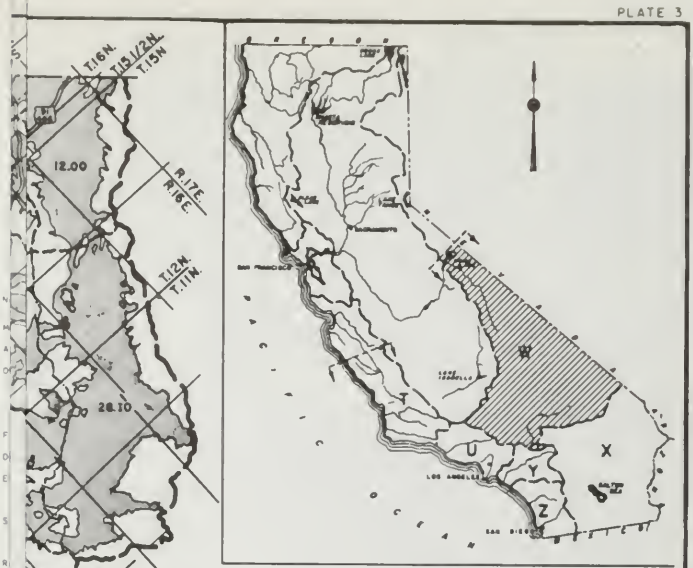
SCALE OF MILES
3 0 3 6 9

1967

8487.4

PLATE 2

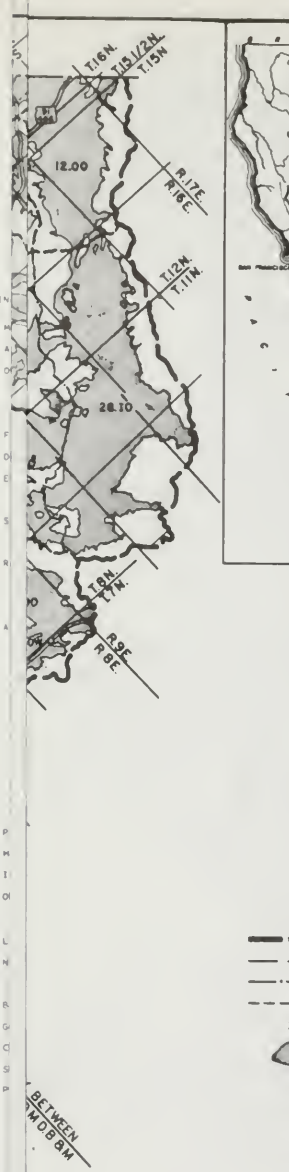
SAN GABRIEL MTS
PACIFIC OCEAN
SANTA MONICA
KEY MAP
LEGEND
DRAINAGE PROVINCE BOUNDARY
HYDROLOGIC UNIT BOUNDARY
HYDROLOGIC SUBUNIT BOUNDARY
HYDROLOGIC SUBAREA BOUNDARY
AREAL CODE NUMBER
WATER BEARING SEGMENTS
STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT
HYDROLOGIC DATA, 1965
NAMES AND AREAL CODE NUMBERS
OF HYDROLOGIC AREAS
LOS ANGELES DRAINAGE PROVINCE (U)
SCALE OF MILES



KEY MAP

LAHONTAN DRAIN

W-01.00
W-02.00
W-03.00
W-03.A0
W-03.B0
W-03.C0
W-03.D0
W-04.00
W-05.00
W-06.00
W-06.A0
W-06.B0
W-07.00
W-07.A0
W-07.B0
W-08.00
W-08.A0
W-08.B0
W-08.C0
W-08.D0
W-09.00
W-09.A0
W-09.A1
W-09.A2
W-09.A3
W-09.B0
W-09.B1
W-09.B2
W-09.B3
W-09.B4
W-09.C0
W-09.C1
W-09.C2
W-09.D0
W-09.D1
W-09.D2
W-09.D3
W-09.D4
W-10.00
W-11.00
W-12.00
W-13.00
W-13.A0
W-13.B0
W-14.00
W-15.00
W-15.A0
W-15.B0
W-16.00
W-17.00
W-18.00
W-19.00
W-20.00
W-20.A0
W-20.B0
W-20.B1
W-20.B2
W-20.C0
W-20.D0
W-20.D1
W-20.D2
W-20.D3
W-20.E0
W-20.F0
W-20.G0
W-20.H0



LEGEND

DRAINAGE PROVINCE BOUNDARY
HYDROLOGIC UNIT BOUNDARY
HYDROLOGIC SUBUNIT BOUNDARY
HYDROLOGIC SUBAREA BOUNDARY
283 AREAL CODE NUMBER
WATER BEARING SEDIMENTS

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

HYDROLOGIC DATA, 1965

NAMES AND AREAL CODE NUMBERS OF HYDROLOGIC AREAS LAHONTAN DRAINAGE PROVINCE (W)

SCALE OF MILES
10 0 10 20 30

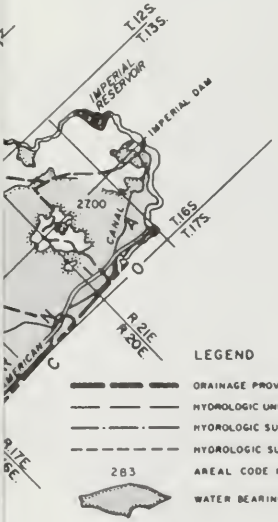
1967

AREAL DESIGNATIONS
HYDROLOGIC UNITS, SUBUNITS AND SUBAREA

LAHONTAN DRAINAGE PROVINCE

- W-00 MONO HYDRO UNIT
- W-00.00 MONO HYDRO UNIT
- W-00.01 ADOBE HYDRO UNIT
- W-00.02 OWENS HYDRO UNIT
  - W-00.02C LONE HYDRO SUBUNIT
  - W-00.02D UPPER OWENS HYDRO SUBUNIT
  - W-00.02E LOWER OWENS HYDRO SUBUNIT
  - W-00.02F CENTENNIAL HYDRO SUBUNIT
- W-00.03 FISH LAKE HYDRO UNIT
- W-00.04 DEEP SPRINGS HYDRO UNIT
- W-00.05 EUREKA HYDRO UNIT
  - W-00.05F MARBLE BATH HYDRO SUBUNIT
  - W-00.05G EUREKA HYDRO SUBUNIT
- W-00.07 SALINE HYDRO UNIT
  - W-00.07.05 SALINE HYDRO SUBUNIT
  - W-00.07.07 FENNER HYDRO SUBUNIT
- W-00.08 RACE TRACK HYDRO UNIT
  - W-00.08.01 RACE TRACK HYDRO SUBUNIT
  - W-00.08.03 HIDDEN VALLEY HYDRO SUBUNIT
  - W-00.08.05 SALTON HYDRO SUBUNIT
  - W-00.08.07 SAND FLAT HYDRO SUBUNIT
- W-00.09 SHARDDLE HYDRO UNIT
  - W-00.09.01 DEATH VALLEY HYDRO SUBUNIT
    - W-00.09.01 DEATH VALLEY HYDRO SUBAREA
    - W-00.09.02 HARPERSBORN HYDRO SUBAREA
    - W-00.09.03 WINGATE WASH HYDRO SUBAREA
  - W-00.09.05 WALKER HYDRO SUBUNIT
    - W-00.09.05 Walker HYDRO SUBAREA
    - W-00.09.06 BRIDGEPORT HYDRO SUBAREA
    - W-00.09.07 HOLCOMB HYDRO SUBAREA
    - W-00.09.08 SHADOW HYDRO SUBAREA
  - W-00.09.11 PUMICE CREEK HYDRO SUBUNIT
    - W-00.09.11 PUMICE CREEK HYDRO SUBAREA
    - W-00.09.12 FISH LAKE VALLEY HYDRO SUBAREA
  - W-00.09.09 OWENS RIVER HYDRO SUBUNIT
    - W-00.09.09 CALICO HYDRO SUBAREA
    - W-00.09.10 BARSTOW HYDRO SUBAREA
    - W-00.09.09 THERMO HYDRO SUBAREA
    - W-00.09.04 CALIFORNIA HYDRO SUBAREA
- W-01.00 PANTANO HYDRO UNIT
- W-01.01 MESQUITE HYDRO UNIT
- W-02.00 LANAHAN HYDRO UNIT
- W-03.00 OWLSHEAD HYDRO UNIT
  - W-03.03 LOST LAKE HYDRO SUBUNIT
  - W-03.03 OWLSHEAD HYDRO SUBUNIT
- W-04.00 LEACH HYDRO UNIT
- W-05.00 BELLON HYDRO UNIT
  - W-05.01 BELLON HYDRO SUBUNIT
  - W-05.01 KELSON HYDRO SUBUNIT
- W-06.00 BICYCLE HYDRO UNIT
- W-07.00 GOLDSTONE HYDRO UNIT
- W-08.00 COYOTE HYDRO UNIT
- W-09.00 SUPERIOR HYDRO UNIT
- W-10.00 PEASANT HYDRO UNIT
  - W-10.00 WILD ROSE HYDRO SUBUNIT
  - W-10.00 WILD ROSE HYDRO SUBUNIT
    - W-20.00 WHITE SAGE HYDRO SUBAREA
    - W-20.02 WILD ROSE HYDRO SUBAREA
  - W-20.03 LEE FLAT HYDRO SUBUNIT
    - W-20.03 LEE FLAT HYDRO SUBUNIT
    - W-20.03 SANTA ROSA FLAT HYDRO SUBAREA
    - W-20.03 RAINBOW HYDRO SUBAREA
    - W-20.03 SILVER DOLLAR HYDRO SUBAREA
  - W-10.03 DARWIN HYDRO SUBUNIT
  - W-10.05 SEVENMILE HYDRO SUBUNIT
  - W-10.00 BRYANT HYDRO SUBUNIT
  - W-10.00 ROBBERS HYDRO SUBUNIT
- W-11.00 SEARLES HYDRO UNIT
  - W-11.00 SEARLES HYDRO SUBUNIT
  - W-11.00 SALT WELLS HYDRO SUBUNIT
  - W-11.00 PILOT KNOB HYDRO SUBUNIT
- W-12.00 FAUS HYDRO UNIT
  - W-12.00 FAUS HYDRO SUBUNIT
  - W-12.00 FAUS HYDRO SUBUNIT
- W-13.00 UPPER FANTUS HYDRO UNIT
- W-14.00 INDIAN WELLS HYDRO UNIT
  - W-14.01 ROSE HYDRO SUBUNIT
  - W-14.01 INDIAN WELLS HYDRO SUBUNIT
- W-15.00 FREMONT HYDRO UNIT
  - W-15.00 FREMONT HYDRO SUBUNIT
  - W-15.00 DAVIS CREEK HYDRO SUBUNIT
  - W-15.00 EAST TEMA HIRI HYDRO SUBUNIT
  - W-15.00 ANIMA HYDRO SUBUNIT
- W-16.00 ANTELOPE HYDRO UNIT
  - W-16.00 ANTELOPE HYDRO SUBUNIT
    - W-16.00 HARPE HOUSE SUBAREA
    - W-16.00 CLUSTER MICH. JUNCTION
    - W-16.00 WILLOW SPRINGS HYDRO SUBAREA
    - W-16.00 NEENACH HYDRO SUBAREA
    - W-16.00 LANCASTER HYDRO SUBAREA
    - W-16.00 ANTELOPE VALLEY HYDRO SUBAREA
    - W-16.00 BUTTES HYDRO SUBAREA
    - W-16.00 ROSE CREEK HYDRO SUBAREA
- W-17.00 CUDDEBACK HYDRO UNIT
- W-18.00 HOJAVE HYDRO UNIT
  - W-18.00 EL MIRAGE HYDRO SUBUNIT
  - W-18.00 UPPER MOJAVE HYDRO SUBUNIT
  - W-18.00 MIDDLE MOJAVE HYDRO SUBUNIT
  - W-18.00 LOWER MOJAVE HYDRO SUBUNIT
    - W-18.00 HARPER HYDRO SUBAREA
    - W-18.00 LOWER MOJAVE HYDRO SUBUNIT
  - W-18.00 TROY HYDRO SUBUNIT
    - W-18.00 LANE MTN. HYDRO SUBAREA
    - W-18.00 TROY HYDRO SUBAREA
  - W-18.00 APPLE HYDRO SUBUNIT
    - W-18.00 APPLE HYDRO SUBAREA
    - W-18.00 CHONESE HYDRO SUBAREA
    - W-18.00 LANGFORD HYDRO SUBAREA
- W-19.00 BAKER HYDRO UNIT
  - W-19.00 BAKER HYDRO SUBUNIT
  - W-19.00 SODA LAKE HYDRO SUBUNIT
  - W-19.00 KELSO HYDRO SUBUNIT
- W-20.00 BROADWELL HYDRO UNIT

KEY MAP



STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

HYDROLOGIC DATA, 1965

NAMES AND AREAL CODE NUMBERS OF HYDROLOGIC AREAS ORADO RIVER BASIN DRAINAGE PROVINCE (X)

SCALE OF MILES

10 0 10 20 30

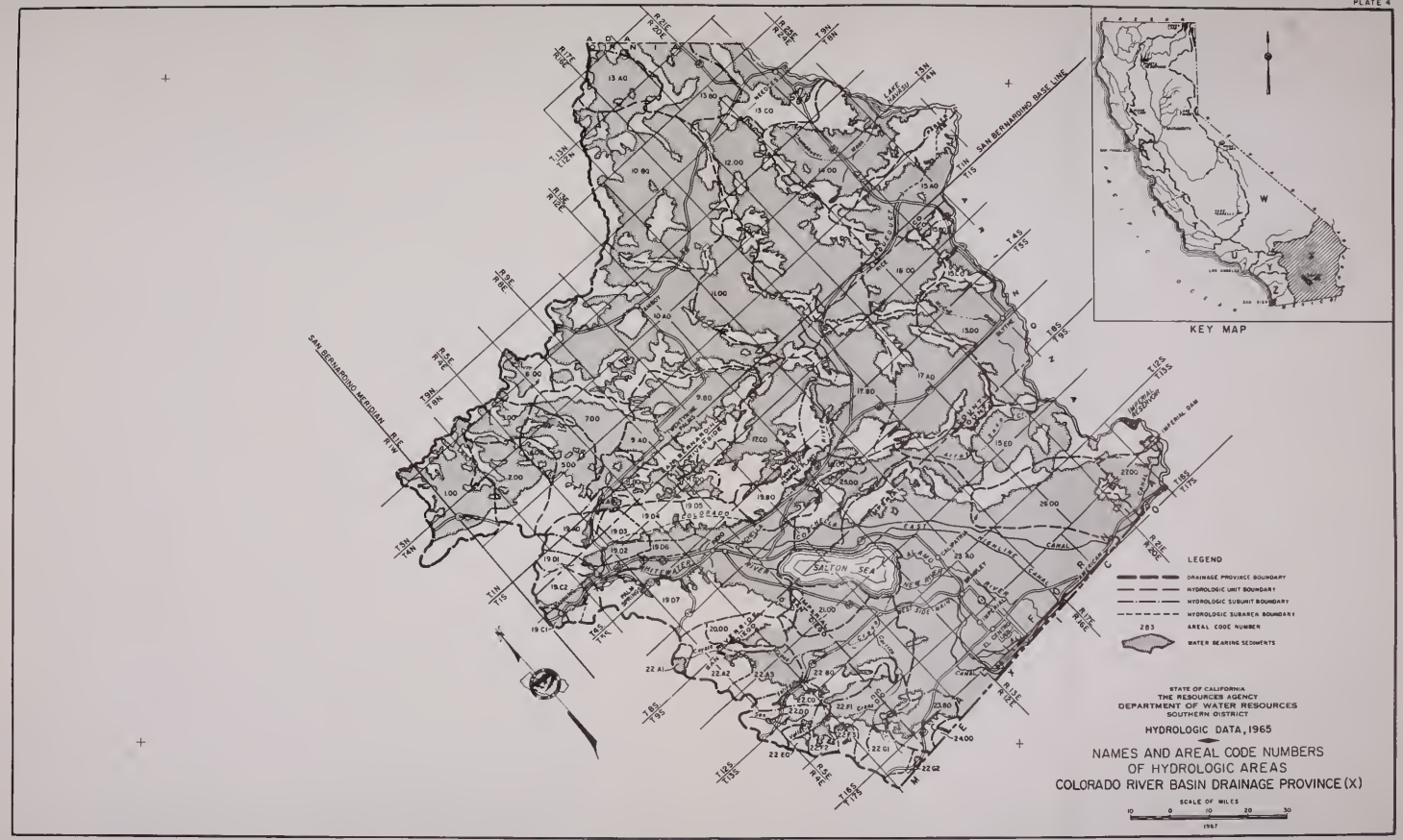
1967

PLATE 4

AREAL DESIGNATIONS
HYDROLOGIC UNITS, SUBUNITS AND SUBAREAS

COLORADO RIVER BASIN DRAINAGE PROVINCE

X-01-00	LUCERNE HYDRO UNIT
X-02-00	JOHNSON HYDRO UNIT
X-03-00	BESSEMER HYDRO UNIT
X-04-00	MEANS HYDRO UNIT
X-05-00	EMERSON HYDRO UNIT
X-06-00	LAVIC HYDRO UNIT
X-07-00	DEADMAN HYDRO UNIT
X-08-00	JOSHUA TREE HYDRO UNIT
X-08-A0	WARREN HYDRO SUBUNIT
X-08-B0	COPPER MOUNTAIN HYDRO SUBUNIT
X-09-00	DALE HYDRO UNIT
X-09-A0	TWENTYNINE PALMS HYDRO SUBUNIT
X-09-B0	DALE HYDRO SUBUNIT
X-10-00	BRISTOL HYDRO UNIT
X-10-A0	BRISTOL HYDRO SUBUNIT
X-10-B0	FENNER HYDRO SUBUNIT
X-11-00	CADIZ HYDRO UNIT
X-12-00	ARD HYDRO UNIT
X-13-00	PIUTE HYDRO UNIT
X-13-A0	LANFAIR HYDRO SUBUNIT
X-13-B0	PIUTE HYDRO SUBUNIT
X-13-C0	NEEDLES HYDRO SUBUNIT
X-14-00	CHEMEHUEVIS HYDRO UNIT
X-15-00	COLORADO HYDRO UNIT
X-15-A0	VIDAL HYDRO SUBUNIT
X-15-B0	NIO WASH HYDRO SUBUNIT
X-15-C0	QUIEN SABE HYDRO SUBUNIT
X-15-D0	PALO VERDE HYDRO SUBUNIT
X-15-E0	ARROYO SECO HYDRO SUBUNIT
X-16-00	RICE HYDRO UNIT
X-17-00	CHUCKWALLA HYDRO UNIT
X-17-A0	FORD HYDRO SUBUNIT
X-17-B0	PALEN HYDRO SUBUNIT
X-17-C0	PINTO HYDRO SUBUNIT
X-17-D0	PLEASANT HYDRO SUBUNIT
X-18-00	HAYFIELD HYDRO UNIT
X-19-00	WHITEWATER HYDRO UNIT
X-19-A0	MORONGO HYDRO SUBUNIT
X-19-B0	SHAVERS HYDRO SUBUNIT
X-19-C0	SAN GORGONIO HYDRO SUBUNIT
X-19-C1	BEAUMONT HYDRO SUBAREA
X-19-C2	SAN GORGONIO HYDRO SUBAREA
X-19-D0	COACHELLA HYDRO SUBUNIT
X-19-D1	GARNET HILL HYDRO SUBAREA
X-19-D2	MISSION CREEK HYDRO SUBAREA
X-19-D3	MIRACLE HILL HYDRO SUBAREA
X-19-D4	DRY VALLEY HYDRO SUBAREA
X-19-D5	MUD CANYON HYDRO SUBAREA
X-19-D6	THOUSAND PALMS HYDRO SUBAREA
X-19-D7	INDIO HYDRO SUBAREA
X-20-00	CLARE HYDRO UNIT
X-21-00	WEST SALTON SEA HYDRO UNIT
X-22-00	ANZA-BORREGO HYDRO UNIT
X-22-A0	BORREGO HYDRO SUBUNIT
X-22-A1	PERMILLIER HYDRO SUBAREA
X-22-A2	COLLINS HYDRO SUBAREA
X-22-A3	BORREGO VALLEY HYDRO SUBAREA
X-22-B0	SCISSORS CROSSING-SANTA ROSA HYDRO SUBUNIT
X-22-C0	MESCAL BAJADA HYDRO SUBUNIT
X-22-D0	SAN FELIPE HYDRO SUBUNIT
X-22-E0	MASON HYDRO SUBUNIT
X-22-F0	VALLECITO-CARRIZO HYDRO SUBUNIT
X-22-F1	CARRIZO HYDRO SUBAREA
X-22-F2	VALLECITO HYDRO SUBAREA
X-22-F3	CANEBRAKE HYDRO SUBAREA
X-22-G0	JACUMBA HYDRO SUBUNIT
X-22-G1	MCCAIN HYDRO SUBAREA
X-22-G2	JACUMBA HYDRO SUBAREA
X-23-00	IMPERIAL HYDRO UNIT
X-23-A0	IMPERIAL HYDRO SUBUNIT
X-23-B0	COYOTE WELLS HYDRO SUBUNIT
X-24-00	DRVIES HYDRO UNIT
X-25-00	EAST SALTON SEA HYDRO UNIT
X-26-00	AMOS-OGILBY HYDRO UNIT
X-27-00	YUMA HYDRO UNIT



KEY MAP

LEGEND

DRAINAGE PROVINCE BOUNDARY

HYDROLOGIC UNIT BOUNDARY

HYDROLOGIC SUBUNIT BOUNDARY

HYDROLOGIC SUBAREA BOUNDARY

283 AREAL CODE NUMBER

WATER BEARING SEDIMENTS

T4S

T5S

282

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

HYDROLOGIC DATA, 1965

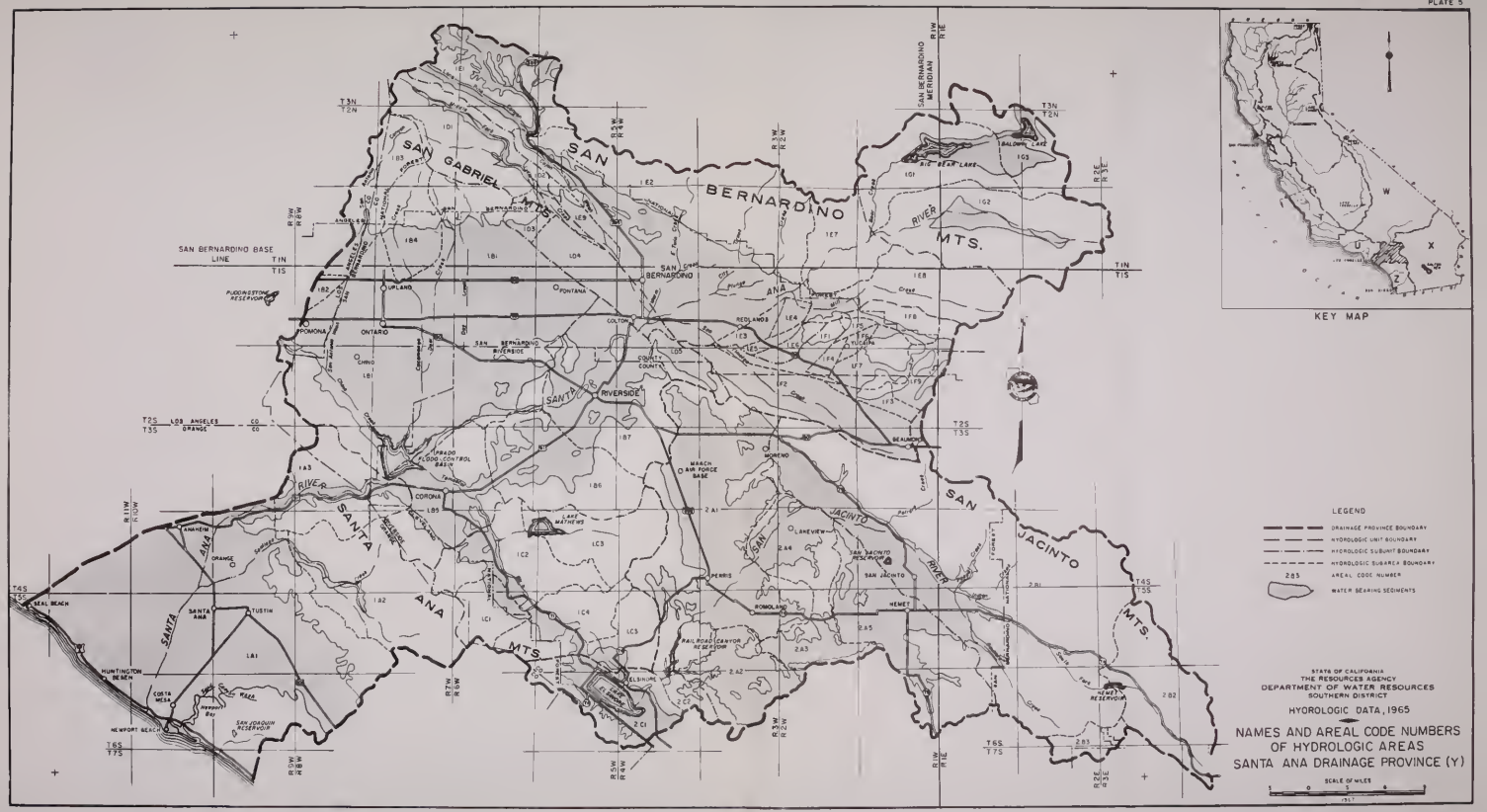
NAMES AND AREAL CODE NUMBERS OF HYDROLOGIC AREAS SANTA ANA DRAINAGE PROVINCE (Y)

SCALE OF MILES

3 0 3 6

1967

PLATE 5



KEY MAP

LEGEND

- DRAINAGE PROVINCE BOUNDARY
- HYDROLOGIC UNIT BOUNDARY
- HYDROLOGIC SUBUNIT BOUNDARY
- HYDROLOGIC SUBAREA BOUNDARY
- 285 AREAL CODE NUMBER
- WATER BEARING SEDIMENTS

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

HYDROLOGIC DATA, 1965

NAMES AND AREAL CODE NUMBERS OF HYDROLOGIC AREAS SANTA ANA DRAINAGE PROVINCE (Y)

SCALE OF MILES
0 5 6

HYDROLOGIC

SAN [illegible] RAINA - PROVINCE

Z-[illegible] SAN [illegible] AN HYDRO UNIT
Z-01-A LA[illegible]UNA HYDRO SUBUNIT
Z-01-A1 SAN JUAN HYDRO SUBAREA
Z-01-A2 LAGUNA HYDRO SUBAREA
Z-01-A3 [illegible] HYDRO SUBAREA
Z-01-A4 DANA POINT HYDRO SUBAREA
Z-01-B SAN [illegible] AN HYDRO SUBUNIT
Z-01-C SAN CLEMENTE HYDRO SUBUNIT
Z-01-D SAN MATEO HYDRO SUBUNIT
Z-01-E SAN [illegible] NOFRE HYDRO SUBUNIT
Z-01-E1 SAN [illegible] NOFRE HYDRO SUBAREA
Z-01-E2 [illegible] AS [illegible] AS HYDRO SUBAREA
Z-01-E3 ST ART HYDRO SUBAREA

Z-02- SANTA MARGARITA HYDRO UNIT
Z-02-A YSIDORA HYDRO SUBUNIT
Z-02-A1 YSIDORA HYDRO SUBAREA
Z-02-A2 CHAPPO HYDRO SUBAREA
Z-02-A3 UPPER YSIDORA HYDRO SUBAREA
Z-02-B DE LUZ HYDRO SUBUNIT
Z-02-B1 DE LUZ HYDRO SUBAREA
Z-02-B2 GAVILAN HYDRO SUBAREA
Z-02-B3 VALLECITOS HYDRO SUBAREA
Z-02-C MURRIETA HYDRO SUBUNIT
Z-02-C1 WILDOMAR HYDRO SUBAREA
Z-02-C2 MURRIETA HYDRO SUBAREA
Z-02-C3 FRENCH HYDRO SUBAREA
Z-02-C4 LOWER DOMENIGONI HYDRO SUBAREA
Z-02-C5 DOMENIGONI HYDRO SUBAREA
Z-02-C6 DIAMOND HYDRO SUBAREA
Z-02-D AULD HYDRO SUBUNIT
Z-02-D1 AULD HYDRO SUBAREA
Z-02-D2 GERTRUDIS HYDRO SUBAREA
Z-02-D3 LOWER TUCALOTA HYDRO SUBAREA
Z-02-D4 TUCALOTA HYDRO SUBAREA
Z-02-E PECHANGA HYDRO SUBUNIT
Z-02-E1 PAUBA HYDRO SUBAREA
Z-02-E2 PECHANGA HYDRO SUBAREA
Z-02-F [illegible]ILSON HYDRO SUBUNIT
Z-02-F1 LANCASTER VALLEY HYDRO SUBAREA
Z-02-F2 LEWIS HYDRO SUBAREA
Z-02-F3 WILSON HYDRO SUBAREA
Z-02-G ANZA HYDRO SUBUNIT
Z-02-G1 LOWER COAHUILA HYDRO SUBAREA
Z-02-G2 UPPER COAHUILA HYDRO SUBAREA
Z-02-G3 ANZA HYDRO SUBAREA
Z-02-G4 BURNT HYDRO SUBAREA
Z-02-H AGUANGA HYDRO SUBUNIT
Z-02-H1 VAIL HYDRO SUBAREA
Z-02-H2 DEVILS HOLE HYDRO SUBAREA
Z-02-H3 REDEC HYDRO SUBAREA
Z-02-H4 AGUANGA HYDRO SUBAREA
Z-02-I OAKGROVE HYDRO SUBUNIT
Z-02-I1 LOWER CULP HYDRO SUBAREA
Z-02-I2 OAKGROVE HYDRO SUBAREA
Z-02-I3 DODGE HYDRO SUBAREA
Z-02-I4 CHIHUAHUA HYDRO SUBAREA

Z-03- SAN LUIS REY HYDRO UNIT
Z-03-A BONSALL HYDRO SUBUNIT
Z-03-A1 MISSION HYDRO SUBAREA
Z-03-A2 BONSALL HYDRO SUBAREA
Z-03-A3 MOOSA HYDRO SUBAREA
Z-03-A4 VALLEY CENTER HYDRO SUBAREA
Z-03-A5 WOODS HYDRO SUBAREA
Z-03-A6 RINCON HYDRO SUBAREA
Z-03-B MONSERATE HYDRO SUBUNIT
Z-03-B1 PALA HYDRO SUBAREA
Z-03-B2 PAUMA HYDRO SUBAREA
Z-03-B3 SAN LUIS REY HYDRO SUBAREA
Z-03-C WARNER HYDRO SUBUNIT
Z-03-C1 WARNER HYDRO SUBAREA
Z-03-C2 COMBS HYDRO SUBAREA

Z-04- CARLSBAD HYDRO UNIT
Z-04-A LOMA ALTA HYDRO SUBUNIT
Z-04-B VISTA HYDRO SUBUNIT
Z-04-B1 CARLSBAD HYDRO SUBAREA
Z-04-B2 VISTA HYDRO SUBAREA
Z-04-C AGUA HEDIONDA HYDRO SUBUNIT
Z-04-C1 AGUA HEDIONDA HYDRO SUBAREA
Z-04-C2 ENCINAS HYDRO SUBAREA
Z-04-D ENCINAS HYDRO SUBUNIT
Z-04-E SAN MARCOS HYDRO SUBUNIT
Z-04-E1 BATIQUITOS HYDRO SUBAREA
Z-04-E2 SAN MARCOS HYDRO SUBAREA
Z-04-E3 TWIN OAKS HYDRO SUBAREA
Z-04-F ESCONDIDO HYDRO SUBUNIT
Z-04-F1 SAN FELIPE HYDRO SUBAREA
Z-04-F2 ESCONDIDO HYDRO SUBAREA
Z-04-F3 LAKE WOHLFORD HYDRO SUBAREA

Z-05- SAN DIEGUITO HYDRO UNIT
Z-05-A SAN [illegible]IEGUITO HYDRO SUBUNIT
Z-05-A1 SAN DIEGUITO HYDRO SUBAREA
Z-05-A2 LA JOLLA HYDRO SUBAREA
Z-05-B HODGES HYDRO SUBUNIT
Z-05-B1 HODGES HYDRO SUBAREA
Z-05-B2 [illegible]REEN HYDRO SUBAREA
Z-05-B3 [illegible]FF ICITA HYDRO SUBAREA
Z-05-B4 BEAR HYDRO SUBAREA
Z-05-C SAN PASQUAL HYDRO SUBUNIT
Z-05-C1 HIGHLAND HYDRO SUBAREA
Z-05-C2 SAN PASQUAL HYDRO SUBAREA
Z-05-C3 REED HYDRO SUBAREA
Z-05-C4 HI[illegible]EN HYDRO SUBAREA
Z-05-C5 [illegible]FITT HYDRO SUBAREA
Z-05-C6 VINEYARD HYDRO SUBAREA
Z-05-D SANTA MARIA VALLEY HYDRO SUBUNIT
Z-05-D1 RAMONA HYDRO SUBAREA
Z-05-D2 [illegible]ER MATFIELD HYDRO SUBAREA
Z-05-D3 WARM SPRINGS HYDRO SUBAREA
Z-05-D4 UPPER MATFIELD HYDRO SUBAREA
Z-05-D5 HALEINA HYDRO SUBAREA
Z-05-D6 LA[illegible]T SANTA TERESA HYDRO SUBAREA
Z-05-D7 [illegible]ST SANTA TERESA HYDRO SUBAREA
Z-05-E SANTA YSABEL HYDRO SUBUNIT
Z-05-E1 [illegible]RIEN HYDRO SUBAREA
Z-05-E2 RAM[illegible] HYDRO SUBAREA
Z-[illegible]-E3 [illegible]UTHERLAND HYDRO [illegible]AREA
Z-[illegible]-E4 SANTA YSABEL HYDRO SUBAREA

KEY MAP

LEGEND

DRAINAGE PROVINCE BOUNDARY
HYDROLOGIC UNIT BOUNDARY
HYDROLOGIC SUBUNIT BOUNDARY
HYDROLOGIC SUBAREA BOUNDARY
283 AREAL CODE NUMBER
WATER BEARING SEDIMENTS

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

HYDROLOGIC DATA, 1965

NAMES AND AREAL CODE NUMBERS OF HYDROLOGIC AREAS SAN DIEGO DRAINAGE PROVINCE (Z)

SCALE OF MILES
4 0 4 8 12

1967

PLATE 8

AREAL DESIGNATIONS
HYDROLOGIC UNITS, SUBUNITS AND SUBAREA.

SAN DIEGO DRAINAGE PROVINCE

Z-01-00 SAN JUAN HYDRO UNIT
Z-01-A0 LAGUNA HYDRO SUBUNIT
Z-01-B0 SAN JOAQUIN HYDRO SUBAREA
Z-01-B2 LAGUNA HYDRO SUBAREA
Z-01-B4 ALISO HYDRO SUBAREA
Z-01-B6 DANA POINT HYDRO SUBAREA
Z-01-C0 SAN JUAN HYDRO SUBUNIT
Z-01-D0 SAN MATEO HYDRO UNIT
Z-01-E0 SAN MATEO HYDRO SUBUNIT
Z-01-E1 SAN ONOFRE HYDRO SUBAREA
Z-01-E2 RS PULGAS HYDRO SUBAREA
Z-01-E3 STUART HYDRO SUBAREA

Z-02-00 SANTA MARGARITA HYDRO UNIT
Z-02-A0 TEMECULA HYDRO SUBUNIT
Z-02-B1 MURRIETA HYDRO SUBAREA
Z-02-B2 PAUBA HYDRO SUBAREA
Z-02-B3 DOMENIGONI HYDRO SUBAREA
Z-02-B4 DIAMOND HYDRO SUBAREA
Z-02-C0 RAINBOW HYDRO SUBUNIT
Z-02-D0 WILDOMAR HYDRO SUBAREA
Z-02-C1 MURRIETA HYDRO SUBAREA
Z-02-C2 FRENCH HYDRO SUBAREA
Z-02-C3 LOWER DOMENIGONI HYDRO SUBAREA
Z-02-C4 DOMENIGONI HYDRO SUBAREA
Z-02-C5 DIAMOND HYDRO SUBAREA
Z-02-E0 RAINBOW HYDRO SUBUNIT
Z-02-E1 PAUBA HYDRO SUBAREA
Z-02-E2 RECHENGA HYDRO SUBAREA
Z-02-F0 WILSON HYDRO SUBUNIT
Z-02-F1 LAKESIDE VALLEY HYDRO SUBAREA
Z-02-F2 LEWIS HYDRO SUBAREA
Z-02-F3 WILSON HYDRO SUBAREA
Z-02-G0 POMO HYDRO SUBUNIT
Z-02-G1 LOWER CAMULOS HYDRO SUBAREA
Z-02-G2 UPPER CAMULOS HYDRO SUBAREA
Z-02-H0 PALA HYDRO SUBAREA
Z-02-H1 BIANT HYDRO SUBAREA
Z-02-H2 AGUANGA HYDRO SUBAREA
Z-02-H3 PECHANGA HYDRO SUBAREA
Z-02-H4 DEVILS HOLE HYDRO SUBAREA
Z-02-H5 REDEE HYDRO SUBAREA
Z-02-H6 AGUANGA HYDRO SUBAREA
Z-02-I0 OAKGROVE HYDRO SUBUNIT
Z-02-I1 LOWER CULP HYDRO SUBAREA
Z-02-I2 OAKGROVE HYDRO SUBAREA
Z-02-I3 DODGE HYDRO SUBAREA
Z-02-I4 CHIMNEY HYDRO SUBAREA

Z-03-00 SAN LUIS REY HYDRO UNIT
Z-03-A0 BONSALL HYDRO SUBUNIT
Z-03-A1 MISSION HYDRO SUBAREA
Z-03-A2 BONSALL HYDRO SUBAREA
Z-03-A3 LAKE HYDRO SUBAREA
Z-03-A4 VALLEY CENTER HYDRO SUBAREA
Z-03-A5 WOODS HYDRO SUBAREA
Z-03-A6 PINEON HYDRO SUBAREA
Z-03-B0 MONSERATE HYDRO SUBUNIT
Z-03-B1 PALA HYDRO SUBAREA
Z-03-B2 PAUMA HYDRO SUBAREA
Z-03-B3 SAN LUIS REY HYDRO SUBAREA
Z-03-C0 WARNER HYDRO SUBUNIT
Z-03-C1 WARNER HYDRO SUBAREA
Z-03-C2 CHAO HYDRO SUBAREA

Z-04-00 CARLSBAD HYDRO UNIT
Z-04-A0 ENCINITAS HYDRO SUBUNIT
Z-04-B0 ENCINITAS HYDRO SUBUNIT
Z-04-B1 CARLSBAD HYDRO SUBAREA
Z-04-B2 LEUCADIA HYDRO SUBAREA
Z-04-C0 AGUA HEDIONDA HYDRO SUBUNIT
Z-04-C1 AGUA HEDIONDA HYDRO SUBAREA
Z-04-C2 ENCINAS HYDRO SUBAREA
Z-04-D0 ENCINAS HYDRO SUBUNIT
Z-04-E0 SAN MARCOS HYDRO SUBUNIT
Z-04-E1 BATEQUITOS HYDRO SUBAREA
Z-04-E2 LAKE HODGES HYDRO SUBAREA
Z-04-E3 TWIN OAKS HYDRO SUBAREA
Z-04-F0 ESCONDIDO HYDRO SUBUNIT
Z-04-F1 ESCONDIDO HYDRO SUBAREA
Z-04-F2 LAKE HYDRO SUBAREA
Z-04-F3 LAKE WOHLFORD HYDRO SUBAREA

Z-05-00 SAN DIEGUITO HYDRO UNIT
Z-05-A0 SAN DIEGUITO HYDRO SUBUNIT
Z-05-A1 SAN DIEGUITO HYDRO SUBAREA
Z-05-A2 LA JOLLA HYDRO SUBAREA
Z-05-B0 HODGES HYDRO SUBUNIT
Z-05-B1 HODGES HYDRO SUBAREA
Z-05-B2 SAN DIEGUITO HYDRO SUBAREA
Z-05-B3 ESCONDIDO HYDRO SUBAREA
Z-05-B4 RANCHITO HYDRO SUBAREA
Z-05-C0 SAN PASQUAL HYDRO SUBUNIT
Z-05-C1 HIGUERA HYDRO SUBAREA
Z-05-C2 SAN PASQUAL HYDRO SUBAREA
Z-05-C3 REED HYDRO SUBAREA
Z-05-C4 HIDDEN HYDRO SUBAREA
Z-05-C5 CUYAMACA HYDRO SUBAREA
Z-05-C6 SANTA YSABEL HYDRO SUBUNIT
Z-05-D0 SANTA MARIA VALLEY HYDRO SUBUNIT
Z-05-D1 RANCHO HYDRO SUBAREA
Z-05-D2 LOWER HATFIELD HYDRO SUBAREA
Z-05-D3 WASH HOLLOW HYDRO SUBAREA
Z-05-D4 HATFIELD HYDRO SUBAREA
Z-05-D5 HELLENA METRO HYDRO SUBAREA
Z-05-D6 EAST SANTA TERESA HYDRO SUBAREA
Z-05-D7 WEST SANTA TERESA HYDRO SUBAREA
Z-05-E0 SANTA YSABEL HYDRO SUBUNIT
Z-05-E1 ROCKS HYDRO SUBAREA
Z-05-E2 RANI HYDRO SUBAREA
Z-05-E3 SUTHERLAND HYDRO SUBAREA
Z-05-E4 SANTA YSABEL HYDRO SUBAREA

Z-06-00 PENASQUITOS HYDRO UNIT
Z-06-A0 SOLEDAD HYDRO SUBUNIT
Z-06-B0 PENAY HYDRO SUBUNIT
Z-06-C0 SCRIPPS HYDRO SUBUNIT
Z-06-D0 MIGHAAR HYDRO SUBUNIT
Z-06-E0 RECOLOSE HYDRO SUBUNIT

Z-07-00 SAN DIEGO HYDRO UNIT
Z-07-A0 LOWER SAN DIEGO HYDRO SUBUNIT
Z-07-A1 SAN DIEGO HYDRO SUBAREA
Z-07-A2 SANTEE HYDRO SUBAREA
Z-07-A3 EL CAJON HYDRO SUBAREA
Z-07-A4 FORTES HYDRO SUBAREA
Z-07-A5 EL MONTE HYDRO SUBAREA
Z-07-B0 SAN VICENTE HYDRO SUBUNIT
Z-07-B1 SAN VICENTE HYDRO SUBAREA
Z-07-B2 KENNEDY HYDRO SUBAREA
Z-07-B3 FLOWER HYDRO SUBAREA
Z-07-B4 BARNES HYDRO SUBAREA
Z-07-C0 EL CAPITAN HYDRO SUBUNIT
Z-07-C1 EL CAPITAN HYDRO SUBAREA
Z-07-C2 ALPINE HYDRO SUBAREA
Z-07-C3 ALPINE HYDRO SUBAREA
Z-07-D0 CUYAMACA HYDRO SUBUNIT
Z-07-D1 JANUL HYDRO SUBAREA
Z-07-D2 SPENCER HYDRO SUBAREA
Z-07-D3 CUYAMACA HYDRO SUBAREA

Z-08-00 CORONADO HYDRO UNIT
Z-08-A0 POINT LOMA HYDRO SUBUNIT
Z-08-B0 SAN DIEGO MESA HYDRO SUBUNIT
Z-08-B1 LINDBERGH HYDRO SUBAREA
Z-08-B2 CHOLAS HYDRO SUBAREA
Z-08-C0 PARADISE HYDRO SUBUNIT
Z-08-C1 EL TOYAN METRO SUBAREA
Z-08-C2 PARADISE METRO SUBAREA

Z-09-00 SWEETWATER HYDRO UNIT
Z-09-A0 LOWER SWEETWATER HYDRO SUBUNIT
Z-09-A1 TELEGRAPH HYDRO SUBAREA
Z-09-A2 SWEETWATER HYDRO SUBAREA
Z-09-B0 MIDDLE SWEETWATER HYDRO SUBUNIT
Z-09-B1 JAMACHA HYDRO SUBAREA
Z-09-B2 MILLSTONE HYDRO SUBAREA
Z-09-B3 DEHESA HYDRO SUBAREA
Z-09-B4 CALLAWAY HYDRO SUBAREA
Z-09-B5 KROHN HYDRO SUBAREA
Z-09-B6 ALPINE HEIGHTS HYDRO SUBAREA
Z-09-C0 UPPER SWEETWATER HYDRO SUBUNIT
Z-09-C1 LOVELAND HYDRO SUBAREA
Z-09-C2 LOVELAND HYDRO SUBAREA
Z-09-C3 STEELE HYDRO SUBAREA
Z-09-C4 SEVEN OAKS HYDRO SUBAREA
Z-09-C5 JARVET HYDRO SUBAREA

Z-10-00 OTAY HYDRO UNIT
Z-10-A0 OTAY HYDRO SUBUNIT
Z-10-B0 JARVET HYDRO SUBUNIT
Z-10-B1 JARVET HYDRO SUBAREA
Z-10-B2 PROCTOR HYDRO SUBAREA
Z-10-C0 JAMUL HYDRO SUBAREA
Z-10-C1 LIFE HYDRO SUBAREA
Z-10-C2 LYON HYDRO SUBAREA
Z-10-C3 JAMUL HYDRO SUBAREA
Z-10-C4 DULZURA (SAN DIEGO) HYDRO SUBAREA

Z-11-00 TIA JUANA HYDRO UNIT
Z-11-A0 TIA JUANA HYDRO SUBUNIT
Z-11-B1 TIA JUANA HYDRO SUBAREA
Z-11-B2 OTAY RESERVOIR HYDRO SUBAREA
Z-11-B3 POINT MO HYDRO SUBAREA
Z-11-C0 MORRON HYDRO SUBUNIT
Z-11-C1 MEX. CANYON HYDRO SUBAREA
Z-11-C2 MARKET WOOD HYDRO SUBAREA
Z-11-C3 ROLAND POTRERO HYDRO SUBAREA
Z-11-C4 POTRERO HYDRO SUBAREA
Z-11-C5 BARRETT LAKE HYDRO SUBUNIT
Z-11-D0 MORRON HYDRO SUBUNIT
Z-11-D1 MORRON HYDRO SUBAREA
Z-11-D2 MONUMENT HYDRO SUBAREA
Z-11-E0 MORENA METRO SUBUNIT
Z-11-F0 POTRERO HYDRO SUBUNIT
Z-11-G0 CAMERON HYDRO SUBUNIT
Z-11-H0 CAMPO HYDRO SUBUNIT
Z-11-H1 TECATE HYDRO SUBAREA
Z-11-H2 CAMPO HYDRO SUBAREA
Z-11-H3 LOWER FLAT HYDRO SUBAREA
Z-11-H4 HILL HYDRO SUBAREA
Z-11-H5 HIPASS HYDRO SUBAREA

LEGEND

- DRAINAGE PROVINCE BOUNDARY
- HYDROLOGIC UNIT BOUNDARY
- HYDROLOGIC SUBUNIT BOUNDARY
- HYDROLOGIC SUBAREA BOUNDARY
- 283 AREAL CODE NUMBER
- WATER BEARING SEGMENTS

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
SOUTHERN DISTRICT

HYDROLOGIC DATA, 1965

NAMES AND AREAL CODE NUMBERS OF HYDROLOGIC AREAS SAN DIEGO DRAINAGE PROVINCE (Z)

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