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STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES

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BULLETIN No. 39-U

SOUTHERN CALIFORNIA AREA INVESTIGATION

GROUND WATER LEVELS
AND PRECIPITATION RECORDS

IN

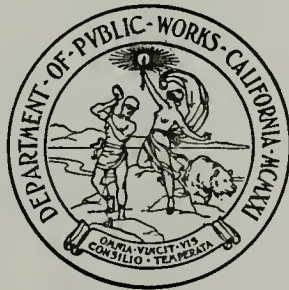
LOS ANGELES, SAN GABRIEL, AND SANTA ANA RIVER BASINS
AND ANTELOPE VALLEY

AND

WATER SUPPLY SUMMARY

FOR SOUTHERN PORTION OF CALIFORNIA

1952



AUGUST 1955

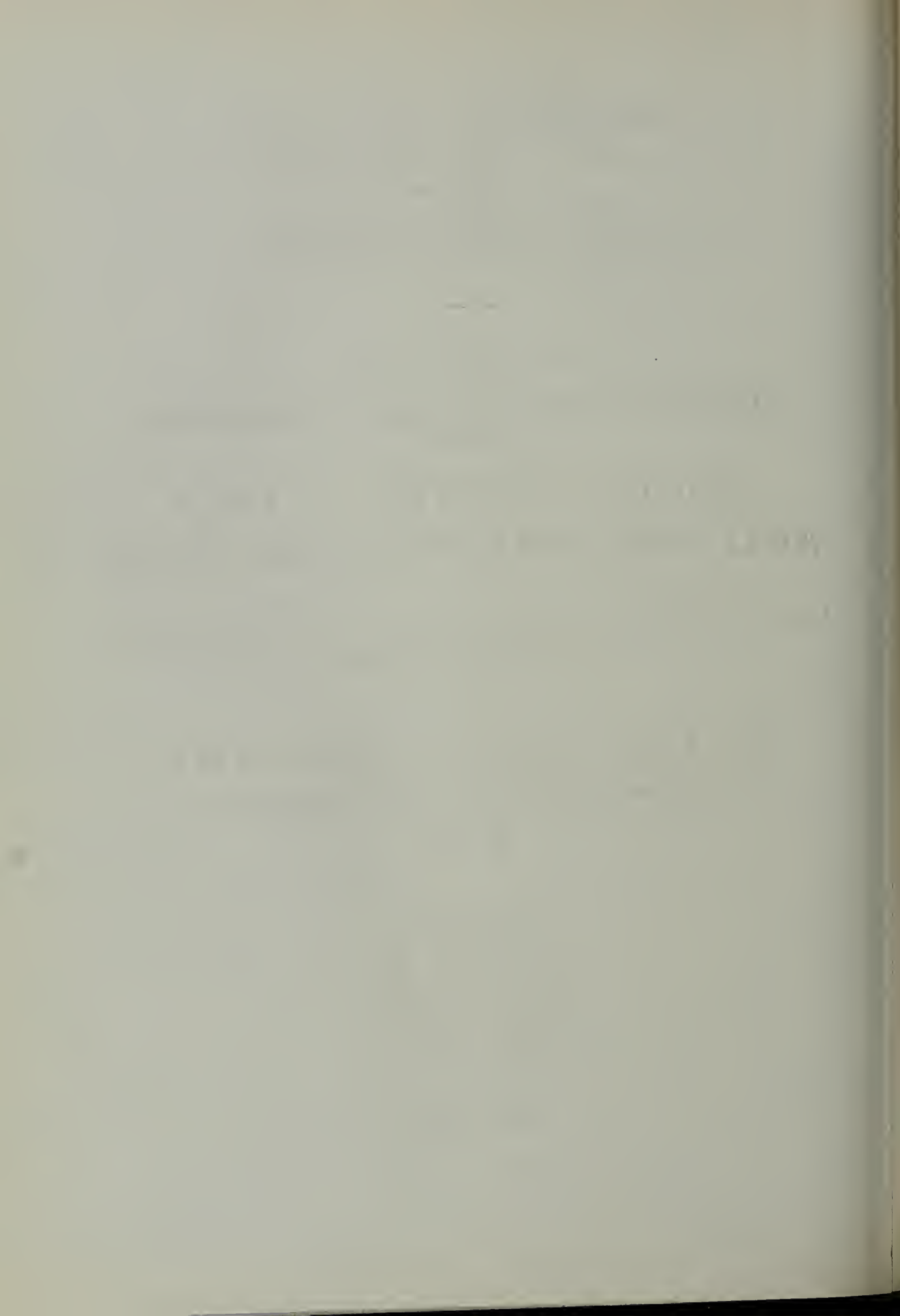


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ACKNOWLEDGMENT

Many agencies and individuals have contributed data for this report. The sources of data presented in Chapter III are noted at the bottom of each page. Particular acknowledgment is made to the following:

A. A. Webb, Associates

City of San Bernardino

City of San Diego

Los Angeles County Flood Control District

Los Angeles Department of Water and Power

Orange County Flood Control District

Riverside County Flood Control and Water
Conservation District

San Bernardino County Flood Control District

San Bernardino Valley Water Conservation District

The Metropolitan Water District of Southern California

United States Geological Survey

United States Weather Bureau

Without the cooperation of these agencies this report would not be possible, and the Division of Water Resources acknowledges this assistance with thanks.

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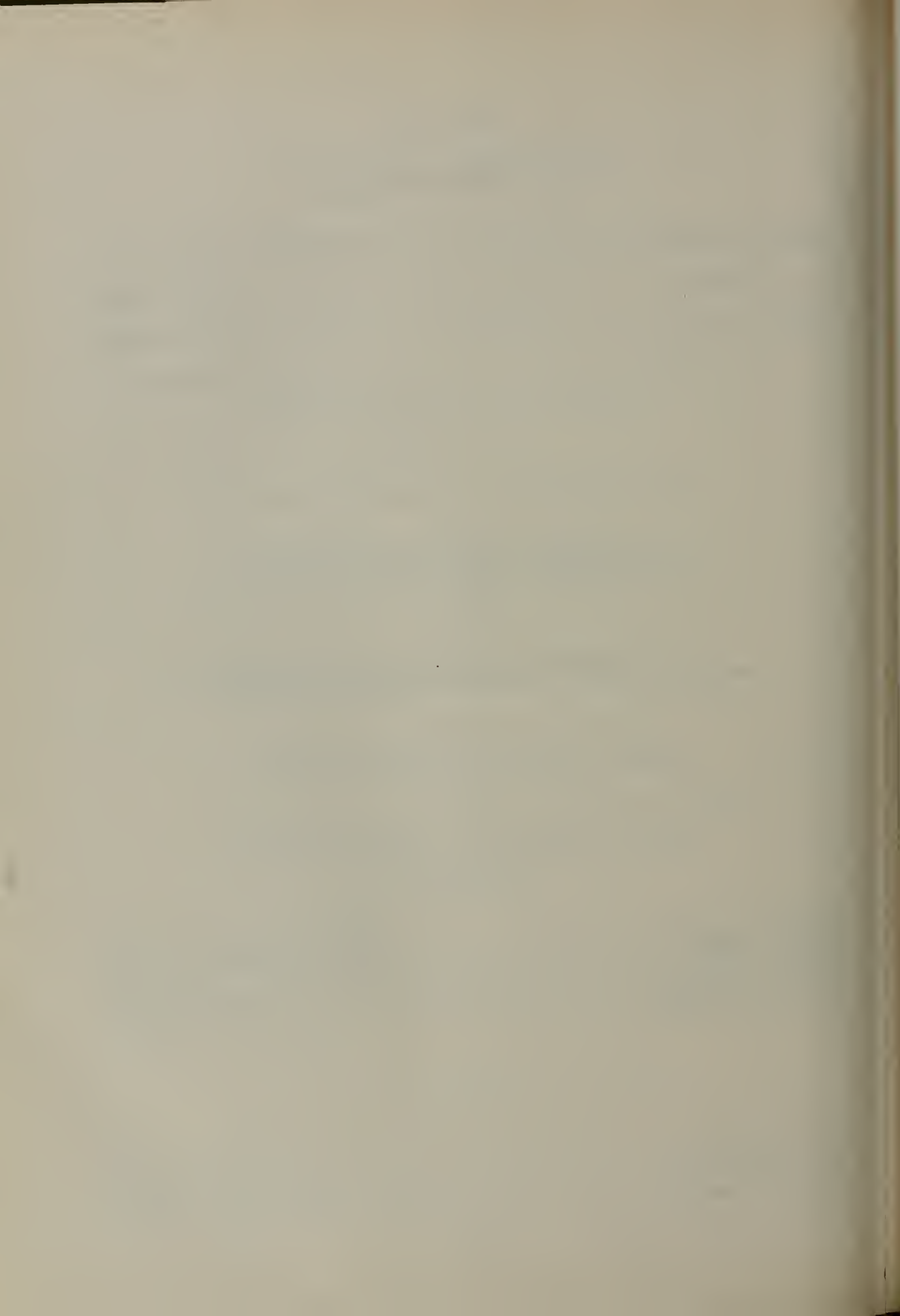
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GROUND WATER LEVELS
AND PRECIPITATION RECORDS

IN

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AND ANTELOPE VALLEY

AND

WATER SUPPLY SUMMARY
FOR SOUTHERN PORTION OF CALIFORNIA

1952

CHAPTER I. INTRODUCTION

This report is the twenty-second of a series begun in 1932 in recognition of the need for compiling basic data for use in the continuing study of water problems in southern California. These problems, in part, stem from the apparent cyclic occurrence of natural water supply, wherein a series of years with above-normal precipitation is followed by a sequence of years with precipitation substantially below normal. This occurrence, coupled with an ever-increasing demand for water, has severely taxed local water resources. This situation was temporarily alleviated by above-normal precipitation occurring in 1951-52 after seven consecutive years of drought. Nevertheless the accumulated deficiency in precipitation at Los Angeles for the eight-year period 1944-45 through 1951-52, was 22.35 inches, as compared to the mean seasonal precipitation of 14.81 inches.

The favorable precipitation during 1951-52 resulted in above-normal runoff in most streams in the southern portion of California, flow of the San Gabriel River near Azusa being 140 per cent of the long-time mean. An appreciable portion of this runoff wasted to the ocean. Surface reservoir storage, depleted to a critical degree during preceding drought years, increased substantially in 1951-52.

Notwithstanding the abundance of precipitation and the removal of fear of water rationing in certain areas in southern California, approximately 497,900 acre-feet of water were imported in fiscal year 1951-52, from Owens River and Mono Basin by City of Los Angeles and from Colorado River by The Metropolitan Water District of Southern California.

As a result of the above-normal water supply in 1951-52, ground water levels in most basins exhibited a noticeable recovery. However, water levels underlying many of the major coastal basins remained below sea level, permitting intrusion of sea water to continue.

Authorization

The Legislature by Chapter 832, Statutes of 1929, directed that "work of exploration, investigation and preliminary plans in furtherance of a coordinated plan for the conservation, development and utilization of the water resources of California" be carried out. Pursuant to this legislation, the Division of Water Resources published Bulletin No. 32 in 1930, which consists of progress reports by certain water agencies in the South Coastal Area conducting water conservation and utilization studies. In accordance with the recommendation made in Bulletin No. 32 that further hydrologic investigations be conducted, the Division of Water Resources was directed to undertake such studies now known as the Southern California Area Investigation. This report has been prepared in connection with that investigation.

Prior Reports

As part of the investigation, Bulletin No. 39 was published in 1932, containing "Records of Ground Water Levels at Wells". Since 1932, water levels

at selected wells have been published annually in Bulletins Nos. 39-A through 39-T. The locations and descriptions of wells referred to in earlier bulletins were published in Bulletin No. 39, and are shown on Maps 1 through 8, accompanying that bulletin. The locations and descriptions of wells in San Jacinto and Antelope Valleys were first published in Bulletin No. 39-J, and are shown on Maps 9 through 11 included in that bulletin.

Seasonal precipitation data from United States Weather Bureau records, as well as from records at stations not included in official publications of that agency, were first published in Bulletin No. 39-A and have been incorporated in all subsequent publications of the series. Monthly records from a few key United States Weather Bureau stations were first published in Bulletin No. 39-D. A map showing the location of precipitation stations for which seasonal records are published was included in Bulletin No. 39-A.

Numerous other bulletins have been published by the Division of Water Resources from 1930 to date which include data on water use, ground water levels, quality of water, value and cost of water for irrigation, water losses and evaporation data, underground geology, and evaluation of overdraft on ground water basins in southern California. These bulletins include:

California State Department of Public Works, Division of Water Resources. "South Coastal Basin, A Symposium". Bulletin No. 32. 1930.

California State Department of Public Works, Division of Water Resources. "Rainfall Penetration and Consumptive Use of Water in Santa Ana River Valley and Coastal Plain". Bulletin No. 33. 1930.

- California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Quality of Irrigation Waters". Bulletin No. 40. 1933.
- California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Detailed Analyses Showing Quality of Irrigation Waters". Bulletin No. 40-A. 1933.
- California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Value and Cost of Water for Irrigation in Coastal Plain of Southern California". Bulletin No. 43. 1933.
- California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Water Losses Under Natural Conditions from Wet Areas in Southern California". Bulletin No. 44. 1933.
- California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Geology and Ground Water Storage Capacity of Valley Fill". Bulletin No. 45. 1934.
- California State Department of Public Works, Division of Water Resources. "South Coastal Basin Investigation, Overdraft on Ground Water Basins". Bulletin No. 53. 1947.
- California State Department of Public Works, Division of Water Resources. "Southern California Area Investigation, Memorandum Report on Water Conditions in Antelope Valley in Kern, Los Angeles and San Bernardino Counties". February, 1955.

Scope of Report

The investigation authorized by the afore-mentioned legislation was originally concerned only with water resources problems in Santa Ana, San Gabriel, and Los Angeles River Valleys and West and South Coastal Plains, and early reports of the Bulletin No. 39 series were limited to publication of ground water level and precipitation records in those areas. Commencing with the year 1941, the area was extended to include San Jacinto and Antelope Valleys, and a general water supply summary for the southern portion of the State was

added starting with the year 1948. This summary contains information on precipitation, runoff, reservoir storage, importations, water quality, and changes in ground water levels. Bulletin No. 39-U includes, in addition to a water supply summary for the period October 1, 1951, through September 30, 1952, a compilation of precipitation records for the period July 1, 1951, through June 30, 1952, and records of ground water levels for the 1952 calendar year.

The subject matter of this report is presented under the following chapter headings: (1) Introduction, (2) Water Supply, (3) Records of Ground Water Levels, and (4) Precipitation Records. Sixteen tables summarizing water supply data are included with the text of Chapter II, and two plates pertaining to ground water data are bound at the end of the report.

CHAPTER II. WATER SUPPLY

Precipitation

Precipitation occurring in 1951-52 was well above normal in southern California, with 18.16 inches, or approximately 175 per cent of normal, recorded at San Diego and 26.21 inches, or about 177 per cent of normal, recorded at Los Angeles. During the preceding seven drought years, seasonal precipitation at Los Angeles averaged only 9.99 inches, or about 67 per cent of normal. Precipitation occurring at San Diego during the season has been exceeded only three times during 102 years of record at that station. Precipitation in the Los Angeles metropolitan area occurred largely during the months of December, January, and March, with the January storms resulting in the death of ten persons and damage estimated at \$3,700,000.

Precipitation indices for selected areas in southern California for the period July 1, 1951, through June 30, 1952, are shown in Table 1. These indices are arithmetical averages of precipitation indices for several stations within the area, and are based on the 50-year mean for the period 1897-98 through 1946-47. Seasonal precipitation records for individual stations are tabulated in Chapter IV.

TABLE 1
 PRECIPITATION INDICES FOR SELECTED AREAS
 IN SOUTHERN CALIFORNIA
 1951-52

Area	Index
Bear Valley	146
Chino	145
Coastal Plain	172
Riverside	150
San Bernardino	138
San Diego*	175
San Fernando Valley	181
San Gabriel Valley	157

* United States Weather Bureau Station,
 Lindbergh Field, San Diego.

Runoff

The natural runoff in streams in southern California, for which data are presented in Table 2, varied considerably in 1951-52, ranging from 108 per cent of the 53-year mean in Santa Ana River near Mentone to 161 per cent of the mean in Matilija Creek at Matilija. The average seasonal natural runoff of Santa Ana River near Mentone during the seven "dry" years, 1944-45 through 1950-51, was only 33,900 acre-feet, or 48 per cent of the mean. In addition to the natural runoff in 1951-52 at selected stations in the southern portion of the State, Table 2 presents the maximum and minimum runoff for these stations for the period 1894-95 through 1951-52.

TABLE 2

ESTIMATED SEASONAL NATURAL RUNOFF AT SELECTED STATIONS IN SOUTHERN CALIFORNIA

In Acre-Feet

Station	Period of record	1951-52	Mean ^a	Maximum ^b		Minimum ^b	
				1940-41	1940-41	Season	Amount
Matilija Creek at Matilija	1927 to date	45,390	28,200	1940-41	125,300	1950-51	1,260
Sespe Creek near Fillmore	1934 to date	150,190	93,900	1940-41	376,000	1950-51	3,520
Piru Creek near Piru	1911-13; 1927 to date	78,900	53,700	1940-41	226,000	1898-99	900
Arroyo Seco near Pasadena	1910 to date	11,530	7,300	1921-22	25,400	1898-99	160
San Gabriel River near Azusa	1894 to date	170,900	122,000	1921-22	410,000	1898-99	9,620
Santa Ana River near Mentone	1896 to date	76,400	70,600	1915-16	280,000	1950-51	13,090
San Jacinto River near San Jacinto	1920 to date	41,910	28,900	1915-16	124,000	1950-51	2,070
Santa Isabel Creek near Mesa Grande	1912-28; 1936 to date	21,620	15,200	1915-16	95,200	1950-51	830

a. Mean for period 1894-95 through 1946-47.

b. Indicated maxima and minima are recorded or estimated values for period 1894-95 to date.

Storage in Surface Reservoirs

Storage in surface reservoirs in southern California increased substantially during the 1951-52 season. The City of San Diego reservoirs, some of which had been depleted below usable storage levels during the drought, were 36.3 per cent full on September 30, 1952, as compared to 10.6 per cent one year before. However, few reservoirs filled during the year, and Lake Henshaw was only eight per cent full at the end of the 1951-52 season. Amounts of usable storage in 22 reservoirs in, or supplying water to, southern California on September 30, 1952, are presented in Table 4.

Lake Elsinore, part of a southland recreational area in Riverside County, had filled to a depth of nine feet by April 20, 1952, after being dry for about four months in the fall of 1951. In the Colorado Desert Area, the water surface of the Salton Sea rose 1.5 feet during the season of 1951-52, being 237.4 feet below sea level on September 30, 1952.

TABLE 4

STORAGE IN SELECTED SURFACE RESERVOIRS IN, OR
SUPPLYING WATER TO, SOUTHERN CALIFORNIA

Reservoir	Usable capacity, in acre-feet	Usable water in storage on September 30, 1952	
		In acre-feet	In per cent of usable capacity
Grant Lake on Rush Creek	47,520	46,980	99
Long Valley Reservoir on Owens River	183,500	171,100	93
Tinemaha Reservoir on Owens River	16,400	7,790	47
Haiwee Reservoir in Rose Valley	58,520	37,910	65
Bouquet Reservoir on Bouquet Creek	36,500	28,950	79
Lake Mead on Colorado River	27,207,000	22,543,000	83
Santiago Reservoir on Santiago Creek	25,000	16,720	67
Bear Valley Reservoir on Bear Creek	72,400	19,580	27
Lake Hemet on San Jacinto River	13,350	4,530	34
Vail Reservoir on Temecula Creek	49,520	12,100	24
Lake Henshaw on San Luis Rey River	194,300	14,830	8
San Diego Lake on a tributary of Escondido Creek	590	380	64
Lake Hodges on San Dieguito River	31,450	25,020	80
San Vicente Lake on San Vicente Creek	86,940	34,900	40
El Capitan Lake on San Diego River	115,800	40,540	35
Murray Lake in Chapparel Canyon	5,230	3,740	72
Lake Loveland on Sweetwater River	25,250	14,020	56
Sweetwater Reservoir on Sweetwater River	27,690	8,820	32
Morena Lake on Cottonwood Creek	49,250	4,310	9
Barrett Lake on Cottonwood Creek	41,740	2,280	5
Upper Otay Lake on Proctor Valley Creek	2,420	2,070	86
Lower Otay Lake on Otay River	53,590	26,990	50

Importations

During the fiscal year 1951-52, Los Angeles Department of Water and Power imported 300,700 acre-feet of water from Owens Valley and Mono Basin. This importation comprised 76 per cent of the total water imported, purchased, and produced locally by the City in that year.

In fiscal year 1951-52, there were 216,300 acre-feet of Colorado River water diverted at Lake Havasu through the Colorado River Aqueduct by The Metropolitan Water District of Southern California. This diversion is about 18 per cent of the planned ultimate capacity of the aqueduct of 1,212,000 acre-feet per annum.

Approximately 90,200 acre-feet of softened and 107,000 acre-feet of unsoftened Colorado River water were delivered to member agencies and other consumers by the District during fiscal year 1951-52. About 62,600 acre-feet of Colorado River water, or about 58.5 per cent of the total unsoftened water deliveries, were delivered to San Diego County Water Authority. This represents a decrease of about 15 per cent from the amount delivered during the previous year.

Quality of Water

In general, the mineral quality of surface and ground waters remained suitable for domestic, industrial, and agricultural uses in 1952, except in certain coastal ground water basins where sea-water intrusion has occurred. This intrusion has resulted in a degradation of ground water quality, and in some cases, the abandonment of wells. Evidence of sea-water intrusion exists in the following ground water basins:

1. Oxnard Plain Basin.
2. West Coast Basin.
3. East Coastal Plain Pressure Area.
4. Santa Margarita Valley.
5. San Luis Rey Valley.
6. Mission Valley.

Analyses of samples from selected surface sampling points and wells are shown in Tables 5 and 6.

TABLE 5

 MINERAL ANALYSES OF SURFACE WATER
 AT SELECTED STATIONS IN SOUTHERN CALIFORNIA

Station number	Station	Date sampled	ECx10 ⁶	Ca	Mg	Na+K	HCO ₃	SO ₄	Cl	NO ₃	B	Total hardness as CaCO ₃ , in ppm	Per cent Na
S8959	Big Rock Creek SE. of Little Rock, at State Highway No. 138	3-24-52	466	444	31	20	220	72	8	3	0.08	238	13
619-95	Mojave River NW. of Victorville, and about 0.2 mile SE. of U.S. Highway No. 91 bridge	10-15-52	393	34	11	32	161	47	14	1	0.12	130	33
43-10.0	Santa Clara River NE. of Saticoy, and about 1.7 miles upstream from Los Angeles Ave. bridge	8-5-52	1770	184	77	186	278	770	105	2	0.81	776	33
S2771-G-10	Los Angeles River NE. of Los Angeles at Figueroa St.	5-15-52	1770	131	54	189	276	405	215	8	0.60	549	42
S2927-I-13	Rio Hondo NE. of Montebello about 0.1 mile upstream from San Gabriel Blvd. bridge	5-6-52	691	58	21	63	230	67	58	10	0.18	231	35
S2947-I-13	San Gabriel River SW. of El Monte, and 0.5 mile upstream from Whittier Narrows Dam	3-19-52	310	46	12	12	177	33	4	2	0.05	165	14

MINERAL ANALYSES OF SURFACE WATER
AT SELECTED STATIONS IN SOUTHERN CALIFORNIA
(continued)

Station number	Station	Date sampled	ECx10 ⁶ at 25°C.	Mineral constituents, in parts per million							Total hardness as CaCO ₃ in ppm		
				Ca	Mg	Na+K	HCO ₃	SO ₄	Cl	NO ₃		B	
S18260-G-32	Mill Creek E. of Mentone, at Southern California Edison Company Plant No. 2	12-31-52	559	82	18	19	193	137	7	0	0.04	279	10
S18001-G-28	Warm Creek San Bernardino, at "E" St.	3-17-52	360	48	11	19	134	79	7	2	0.04	166	20
S16933-J-24	Santa Ana River W. of Riverside at Pedley Road	3-17-52	770	89	19	71	275	102	67	12	0.15	302	34
93-20.0	Santa Margarita River N. of Fallbrook, about 0.5 mile downstream from confluence with Sandia Creek	5-12-52	1010	67	25	149	264	110	118	1	0.29	270	46
94-28.0	San Luis Rey River SE. of Pala at Pala Diversion Dam	5-12-52	491	34	21	36	138	94	26	1	0.03	171	28
912-6.0	Tia Juana River at International Boundary	5-12-52	2250	95	51	308	268	156	502	3	0.36	446	59

TABLE 6

MINERAL ANALYSES OF GROUND WATER
AT SELECTED WELLS IN SOUTHERN CALIFORNIA

Well number	Owner and location	Date sampled	EC ₁₀₆	Mineral constituents, in parts per million							Total hardness		
				Ca	Mg	Na+K	HCO ₃	SO ₄	Cl	NO ₃		B	as CaCO ₃
<u>Oxnard Forebay Basin</u>													
2N/22W-14A4	Joe Fontes Five miles NE. of Oxnard, and 1,700 feet NE. of Central Ave. and 100 feet SE. of Vineyard Ave.	7-14-52	1525	123	45	164	268	526	57	10	0.4	494	41
<u>Oxnard Plain Basin</u>													
1N/22W-2P1	John Diedrich One mile E. of Oxnard, and 800 feet E. of Rose Road and 1,000 feet S. of East Fifth St.	6-25-52	1201	127	36	90	251	378	47	4	0.6	467	30
<u>San Fernando Valley</u>													
A-90n-F-8	Los Angeles Department of Water and Power, Verdugo Well No. 11. Two miles SW. of Burbank, and 118 feet W. of Naomi St. and 115 feet N. of Oak St.	8-27-52	757	82	18	55	217	159	37	3	0.16	276	28
<u>Raymond Basin Area</u>													
C-16-F-11	City of Pasadena Copelin Well Pasadena; 142 feet E. of Mentone Ave. and 118 feet N. of Mantanita St.	8-5-52	---	49	15	24	215	34	17	8	---	185	22

MINERAL ANALYSES OF GROUND WATER
AT SELECTED WELLS IN SOUTHERN CALIFORNIA
(continued)

Well number	Owner and location	Date sampled	ECx10 ⁶ : at 25°C.	Ca	Mg	Na+K	HCO ₃	SO ₄	Cl	NO ₃	B	Total hardness: as CaCO ₃ , in ppm
<u>Main San Gabriel Basin</u>												
C-244h-H-13	J. H. Sotow Two miles S. of El Monte, and 200 feet S. of Fawcett Ave. near center line of Tyler Ave. extended	2-29-52	500	76	22	23	244	98	18	2	0.07	280
<u>Montebello Forebay Area</u>												
C-815s-J-13	La Habra Heights Water Company Judson Plant Well No. 1. Two miles W. of Whittier, and 0.25 mile NW. of Norwalk Blvd. near Aldrich St. extended	2-18-52	520	67	14	28	244	55	21	11	0.06	225
<u>Central Coastal Plain Pressure Area</u>												
C-872t-K-11	Los Angeles County Farm Two miles SW. of Downey, and 20 feet N. of Esperanza St. and 40 feet W. of Hawthorne Ave.	2-19-52	420	60	15	43	260	55	18	4	0.12	375
<u>West Coast Basin</u>												
B-120n-N-10	Tidewater Associated Oil Company Four miles NW. of Long Beach, and 440 feet S. and 950 feet E. of intersection of Alameda St. and Sepulveda Blvd.	11-26-52	360	14	10	57	201	--	23	1	0.12	77
												62

MINERAL ANALYSES OF GROUND WATER
AT SELECTED WELLS IN SOUTHERN CALIFORNIA
(continued)

Well number	Owner and location	Date sampled	ECx10 ⁶ : at 25°C.	Ca	Mg	Na+K	HCO ₃	SO ₄	Cl	NO ₃	B	Total hardness as CaCO ₃ , in ppm	Per cent Na
<u>Chino Basin</u>													
D-1016-G-22	Signorio Brothers Four miles E. of Ontario, and 0.24 mile E. of Archibald Ave. and 675 feet S. of San Bernardino Ave.	3-18-52	270	24	8	41	153	30	5	1	0.07	92	49
<u>Bunker Hill Basin</u>													
E-51a-G-29	McDaniels and Sons Dairy Four miles NE. of San Bernardino, and 0.10 mile N. of Sixth St., and 0.35 mile E. of Sterling Ave.	6-25-52	260	31	6	17	128	12	4	9	0.00	101	27
<u>Santa Ana Forebay Area</u>													
C-1150c-N-17	City of Orange Orange; 100 feet N. of Almond Ave. and 100 feet E. of Water St.	3-24-52	550	68	15	47	220	66	43	16	0.08	231	28
<u>East Coastal Plain Pressure Area</u>													
C-1255-P-15	H. E. Chany Five miles NE. of Huntington Beach, and 75 feet S. of Talbert Ave. and 100 feet W. of Ward St.	4-12-52	570	76	14	42	275	56	32	6	0.10	248	27

MINERAL ANALYSES OF GROUND WATER
AT SELECTED WELLS IN SOUTHERN CALIFORNIA
(continued)

Well number	Owner and location	Date sampled	ECx10 ⁶ : at 25°C.	Ca	Mg	Na+K	HCO ₃	SO ₄	Cl	NO ₃	Mineral constituents, in parts per million	Total hardness: as CaCO ₃ , in ppm	
<u>San Luis Rey Valley</u>													
11S/4W-8N2	Pearl Jones San Luis Rey; 57 feet S. of Mission Rd. and 1,100 feet SW. along Mission Rd. from intersection with Camp Pendleton Rd.	6-27-52	2220	155	54	288	305	190	553	2	0.23	608	51
<u>Tia Juana Basin</u>													
19S/2W-3D1	T. A. and C.A. Martinez Two miles W. of San Ysidro, and 0.27 mile NE. of Nestor bridge	6-12-52	2250	135	48	294	372	183	461	29	0.32	534	51

Changes in Ground Water Levels

Above-normal replenishment to ground water supplies during 1951-52 resulted in appreciable rise in ground water levels in most of the forebay areas, and interior ground water basins, although pressure levels in many basins continued to decline. The existence of landward hydraulic gradients in some coastal areas permitted the intrusion of sea-water to continue.

A brief summary of ground water conditions in certain of the ground water basins delineated on Plate 1 is presented hereinafter. Plate 1 also shows locations within these basins of selected wells for which fluctuations of ground water levels are shown on Plate 2. Changes in depths to ground water between the fall of 1951 and the fall of 1952, and maximum and minimum ground water level elevations observed during period of record at selected wells are presented in Tables 7 through 16.

Antelope Valley

Ground water levels, which have been steadily declining in Antelope Valley for the past quarter century, continued to drop between the fall of 1951 and the fall of 1952, with an average drop of two feet being observed. Water levels at some wells in the fall of 1952 were as much as 283 feet below ground surface, as shown in Table 7.

TABLE 7

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN ANTELOPE VALLEY

In Feet

Well numbers Bulletin : No. 39-J	: R.F. : : eleva- : : Location :	: Beginning : : of : : record :	: Depth to : : ground water :		: Change : : in : : eleva- : : tion :	: Date and extreme : : ground water level : : elevations of record :		
			: Fall : : 1951 :	: Fall : : 1952 :		: Maximum : : Minimum :		
5N/10W-26A	7700	3,155	1940	57.5	41.7	+15.8	11-24-52 3,113.3	11- 5-51 3,097.5
5N/11W-10A	8787	2,836	1927	106.1	109.4	- 3.3	7-28-44 2,799.1	8-13-38 2,690.5
6N/ 8W-18A	10338	2,725	1939	160.9	163.9	- 3.0	11-18-39 2,566.0	12- 3-52 2,561.1
6N/ 9W-31A	8934	2,832	1940	44.1	41.0	+ 3.1	5-15-44 2,823.0	11- 5-51 2,787.9
6N/10W-20A	8831	2,637.6	1940	217.3	219.5	- 2.2	3-14-45 2,501.6	10-30-52 2,418.1
6N/12W-24A	8690	2,587	1927	278.2	283.3	- 5.1	12- 5-28 2,399.0	11-17-52 2,303.7
6N/13W-12A	9897	2,607.5	1940	253.0	254.7	- 1.7	5-31-40 2,373.8	11-21-52 2,352.8
7N/11W-24A	10101	2,433	1932	172.8	182.1	- 9.3	4- 8-32 2,359.6	9-30-52 2,250.9
7N/12W-15C	11259B	2,348.5	Prior to 1924	85.2	81.2	+ 4.0	Prior to 1924 2,356 ±	9- 5-51 2,263.3
7N/13W-17A	11119	2,421.7	1937	145.2	148.3	- 3.1	3- 8-39 2,336.1	11-20-52 2,273.4
7N/13W-35A	9864A	2,443.6	1937	223.0	230.9	- 7.9	3- 8-39 2,313.8	12-24-52 2,212.7
8N/10W- 8C	11440B	2,318.6	1947	44.1	42.8	+ 1.3	2- 2-48 2,289.9	10- 1-51 2,274.5
8N/11W-22A	11363B	2,318	1937	---	94.9	---	3-10-39 2,289.4	12- 2-52 2,223.1
8N/12W-22B	11253	2,302	1943	18.0	25.2	- 7.2	Flowing 1-10-43 2,302	11-12-52 2,276.8

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN ANTELOPE VALLEY

In Feet
(continued)

Well numbers	: R.P.	: Beginning:	Depth to		: Change:	Date and extreme	
Bulletin :	: eleva-	: of :	ground water	: Fall :	: in :	ground water level	
No. 39-J : Location :	tion :	record :	1951 :	1952 :	tion :	elevations of record	
						Maximum :	Minimum
8N/14W-12A 12389	2,472	1940	163.6	170.6	- 7.0	11-24-42 2,358.4	11-20-52 2,301.4
8N/15W-36A 10976	2,786.5	1943	90.6	89.9	+ 0.7	12- 8-47 2,713.0	12- 3-51 2,695.9
8N/16W-18A 10791	2,995	1942	---	105.7	---	7-29-44 2,909.8	11-20-52 2,889.3

Santa Clara River Valley

Oxnard Plain Basin. Although pressure levels generally rose about ten feet in Oxnard Plain Basin in 1951-52, the piezometric surface underlying most of the Basin remained below sea level in the fall of 1952, permitting sea-water intrusion to continue. The trough in the piezometric surface, which was observed to be two to three miles inland from the coast, was as much as 30 feet below sea level in the fall of 1952.

Oxnard Forebay Basin. Percolation of runoff in the Santa Clara River channel and spreading of 25,380 acre-feet of water by United Water Conservation District at grounds near Saticoy in 1951-52 resulted in a rise in ground water levels in Oxnard Forebay Basin which was as great as 42 feet in some wells. Table 8 presents changes in ground water levels in selected wells in nine basins in Ventura County.

TABLE 8

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN VENTURA COUNTY

In Feet

Well numbers	R.P.	Beginning	Depth to ground water	Change in	Date and extreme ground water level	State	County	elevation of record	of 1951	of 1952	elevation of record	Maximum	Minimum
<u>Ojai Valley</u>													
/22W- 5L1	8-L- 5											4-28-41	9-11-51
/22W- 5L8	8-L- 5A	891.7	1924	312.0	124.9	+187.1						841.2	579.7
/23W- 1L1	7-L- 1	787.2	1927	23.9	13.6	+ 10.3						4-28-41 785.1	10-20-30 761.7
<u>Oxnard Plain Basin</u>													
/22W- 3F4	9-U- 9	54.5	1916	79.0	67.0	+ 12.0						Flowing spring 1917 54.5	8-31-51 -24.5
/22W-17G1	8-V- 1	20.1	1927	39.2	31.1	+ 8.1						Flowing 1941 16.6	8-24-51 -19.1
/22W-23J1	10-V- 4	26.0	1927	60.1	51.9	+ 7.8						1- 6-28 25.8	7-16-51 -34.1
<u>Oxnard Forebay Basin</u>													
/21W- 6P1	11-R- 3	150.2	1930	103.2	61.0	+ 42.2						3-17-47 139.1	9-27-51 47.0
/22W-23H1	10-S- 4												
/22W-23H2	10-S-10											4-26-44 78.6	11-14-51 - 4.1
/22W-23H3	10-S-15	109.8	1927	113.9	93.8	+ 20.1							
/22W-23Q1	10-S- 6	102.2	1929	109.2	99.8	+ 9.4						4-26-44 73.6	10-24-51 - 7.0
<u>Santa Paula Basin</u>													
/22W- 2R1	10-R- 4	136.8	1923	110.3	74.7	+ 35.6						5-12-41 119.5	10- 5-51 26.5
/21W-11E2	13-O- 4	317.1	1929	106.7	104.8	+ 1.9						3-20-41 259.2	10-14-51 210.4
/21W-20M1	11-P- 1	231.1	1912	57.8	46.6	+ 11.2						5- 8-41 206.9	8-21-51 173.3

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN VENTURA COUNTY

In Feet
(continued)

Well numbers	R.P.	Beginning	Depth to ground water	Change in	Date and extreme ground water level			
State	County	elevation of record	Fall 1951	Fall 1952	elevation of record			
			1951	1952	Maximum	Minimum		
<u>Fillmore Basin</u>								
3N/20W- 6J1	14-O- 3	307.5	1922	22.0	16.0	+ 6.0	1- 9-39 302.8	8-17-51 285.5
4N/20W-36N2	16-N- 5	376.4	1927	42.2	14.2	+ 28.0	5- 6-41 379.9	12-13-51 334.2
<u>Piru Basin</u>								
4N/18W-19P1	20-M- 5	665.7	1947	216.6	134.9	+ 81.7	1- 2-47 560.7	12- 1-51 449.1
4N/19W-25L4	19-N- 6	583.0	1927	134.6	60.5	+ 74.1	4-26-41 573.4	12- 7-51 448.4
<u>Pleasant Valley Basin</u>								
1N/21W-11G1	13-U-21	54.7	1936	129.4	108.5	+ 20.9	5-20-41 30.8	7-17-51 -74.7
1N/21W-16A1	12-V- 2	29.7	1927	85.0	53.9	+ 31.1	Flowing 1927 30.2	8-15-51 -55.3
2N/21W-34J1	12-T- 7	83.0	1931	127.0	127.9	- 0.9	3-11-32 40.7	8-15-52 -44.9
<u>Las Posas Valley</u>								
2N/20W-10R1	15-R- 3	355.8	1927	180.6	178.0	+ 2.6	1-10-28 309.4	1-30-52 174.8
2N/21W-16R1	12-S- 2	326.9	1927	279.0	271.7	+ 7.3	7-15-27 115.1	8- 6-51 47.9
<u>Simi Basin</u>								
2N/18W- 8C2	20-R- 6	746.4	1929	52.9	42.0	+ 10.9	Flowing 1930 746.4	8-16-51 693.5
2N/18W-12L3	22-R- 5	949.1	1929	---	200.1	---	10-13-29 826.3	8-21-52 749.0

San Fernando Valley

Observed ground water levels in San Fernando Valley exhibited a net rise of about one foot during 1951-52. During this period, approximately 31,700 acre-feet of water were spread by the Los Angeles County Flood Control District and the City of Los Angeles in artificial recharge grounds located in the Valley. Water levels at some wells north of Reseda attained maximum elevations of record in the spring of 1952. Observed depths to ground water ranged from about eight feet in the western portion of the Valley to approximately 252 feet north of Van Nuys, as shown in Table 9.

TABLE 9
CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN SAN FERNANDO VALLEY

In Feet

Well numbers	: R.P.	: Beginning	: Depth to	: Change	: Date and extreme			
Serial : Location	: eleva-	: of	: ground water	: in	: eleva-	: elevations of record		
	tion	record	Fall	Fall	tion	Maximum	Minimum	
			1951	1952				
<u>Verdugo Basin</u>								
A-98	3961	965.2	1931	73.2	43.2	+30.0	10-20-44 941.7	10-20-50 881.0
<u>San Fernando Basin</u>								
A-15	4757A	791.2	1920	9.9	8.4	+ 1.5	5- 7-52 785.8	2-25-21 765.9
A-31	4855	903.0	1910	257.4	251.9	+ 5.5	7-12-44 715.4	12- 8-31 641.9
A-62a	3620	769.9	1922	13.2	14.3	- 1.1	2-25-41 766.6	10-10-34 753.3
A-82	3804	633.9	1922	41.0	40.7	+ 0.3	3-22-44 620.8	11- 7-51 592.9
A-90p	3872D	546.0	1928	47.6	51.7	- 4.1	4-18-41 542.9	11- 2-51 498.4

San Gabriel Valley

Raymond Basin Area. There was a rise of about one foot in water levels in observed wells in Pasadena Subarea of Raymond Basin Area in 1951-52. In general, ground water levels in this area have exhibited little change since 1943, due primarily to reduction in ground water extractions by Court decree, increased application of imported waters, and lack of an appreciable increase in exported sewage. Depths to ground water in the fall of 1952 varied from about 50 feet immediately north of the Raymond fault to approximately 330 feet northeast of Pasadena.

Ground water levels in Santa Anita Subarea exhibited a noticeable rise in 1951-52, being as much as 36 feet at some wells. The appreciable rise in ground water levels in the subarea is illustrated on Plate 2. Approximately 2,400 acre-feet of water were spread in 1951-52 by City of Sierra Madre and Los Angeles County Flood Control District at artificial recharge grounds in Santa Anita Subarea.

Main San Gabriel Basin. An average rise in ground water levels of about eight feet was observed in Main San Gabriel Basin in 1951-52, with levels at well No. C-294a, "Baldwin Park Well", rising about 16 feet during the season, after reaching a record low in November, 1951. Depths to ground water ranged from about 330 feet in the northern portion of the Basin to a minimum at the area of rising water near Whittier Narrows. Changes in ground water levels in selected basins in the San Gabriel Valley are presented in Table 10.

TABLE 10

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN SAN GABRIEL VALLEY

In Feet

Well numbers	R.P.	Beginning	Depth to	Change	Date and extreme
Location	elevation	of record	ground water	in	ground water level
			Fall 1951	Fall 1952	elevation of record
					Maximum
					Minimum
<u>Raymond Basin Area</u>					
6a & b	4043D & E				
6	4043A	916.5	1904	261.3	257.9 + 3.4
					5- 2-16 10-16-33
					767.4 614.0
8	4057H	749.9	1904	109.6	110.0 - 0.4
					1-22-10 2-10-39
					721.2 608.3
22a	4107B	623.5	1928	119.0	120.0 - 1.0
					4- 3-50 12-31-43
					526.9 401.0
99a	4163A				
30a	4163B				
30	4163	677.0	1900	202.0	165.9 +36.1
					2-22-16 9-30-49
					578.2 470.7
<u>Main San Gabriel Basin</u>					
12f	2902B	308.0	1931	97.0	98.0 - 1.0
					4- 1-45 9- 8-52
					260.0 210.0
41	4177	416.6	1919	163.2	156.6 + 6.6
					8-11-44 10-19-51
					317.0 253.4
94	3030				
94a	3030F	387.7	1903	142.0	126.1 +15.9
					5-19-16 11-28-51
					329.1 245.7
12	3055	342.3	1928	96.7	89.1 + 7.6
					3-29-45 10-18-51
					312.2 245.6
43	3102	477.9	1928	205.7	204.3 + 1.4
					4- 1-45 10- 3-51
					346.5 272.2
<u>Glendora Basin</u>					
05	4355	950	1915	445.9	433.3 +12.6
					8- 1-17 11- 1-51
					652.0 504.1

Coastal Plain, Los Angeles County

Montebello Forebay Area. Ground water levels in the Montebello Forebay Area dropped an average of about six feet between the fall of 1951 and the fall of 1952, with levels in some areas declining to minimum elevations of record in the fall of 1952. However, levels in observed wells near artificial recharge grounds adjacent to the San Gabriel River rose approximately five feet in 1951-52, as illustrated on Plate 2. The Los Angeles County Flood Control District spread approximately 5,400 acre-feet of water at their San Gabriel grounds and about 400 acre-feet of water at their Rio Hondo grounds during 1951-52.

Central Coastal Plain Pressure Area. Although there was a general drop in ground water levels in Montebello Forebay Area, underflow from which is the major source of replenishment to Central Coastal Plain Pressure Area, piezometric levels in the pressure area exhibited about a three-foot rise in 1951-52. In spite of this rise, water levels in some wells were still 7 $\frac{1}{4}$ feet below sea level in the fall of 1952.

West Coast Basin. Pressure levels in West Coast Basin dropped approximately three feet in observed wells in 1952, and the trough in the piezometric surface, about six to nine miles inland from Santa Monica Bay and two miles northeast of Wilmington, was about 100 feet below sea level in the fall of 1952, as illustrated on Plate 2. Underflow from Santa Monica Bay continued to exceed fresh water replenishment across Newport-Inglewood uplift, resulting in the further degradation of ground water quality in coastal portions of the Basin from Playa del Rey to Redondo Beach.

Table 11 presents water level elevation changes in 13 wells in Montebello Forebay Area, Central Coastal Plain Pressure Area, and West Coast Basin between the fall of 1951 and the fall of 1952.

TABLE 11

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN COASTAL PLAIN, LOS ANGELES COUNTY

In Feet

Well numbers	R.P.	Beginning	Depth to ground water		Change	Date and extreme	
Serial	Location	elevation	of record	Fall 1951	Fall 1952	elevation	elevations of record
						Maximum	Minimum
<u>Montebello Forebay Area</u>							
-814	1620					4- 1-44	10- 1-51
-801b	1620E	181.7	1904	105.0	100.0	+ 5.0	164.7 76.7
-839c	1585	130.0	1930	89	104	-15	4-19-42 106.5 8-28-52 26.0
-844w	1582M	152.5	1940	104.6	107.2	- 2.6	4-27-42 128.7 10- 9-52 45.3
<u>Central Coastal Plain Pressure Area</u>							
-12n	2626D	87	1931	170	155	+15	2-15-32 27 10-14-48 -86
-51b	1413	140.6	1911	127.5	134.6	- 7.1	1911 115.6 12- 8-52 6.0
-873f	1548B	87	1944	49	54	- 5	4- 1-45 70 9-19-52 33
-894	1062	61.7	1925	73.8	72.4	+ 1.4	3-11-27 58.4 7-24-51 -12.1
-926	936	68.9	1895	145.9	142.9	+ 3.0	July 1895 148 8-13-51 -77.0
<u>West Coast Basin</u>							
-90g	733B	109.1	1927	139.3	140.9	- 1.6	12-29-27 0.1 11-26-52 -31.8
-102m	793B	50.8	1910	82.6	83.8	- 1.2	1910 24.8 11- 4-52 -33.0
-115g	858B	35.0	1924	127.3	133.0	- 5.7	3- 1-43 -10.0 9- 1-52 -98.0
-120b	868A	20.4	1943	112.8	118.5	- 5.7	3- 1-43 -37.4 9- 1-52 -98.1
-136	381	8.0	1923	17.1	17.8	- 0.7	3-20-23 4.0 10-31-52 - 9.8

Upper Santa Ana Valley

Chino Basin. In general, ground water levels in Chino Basin rose about four feet in 1951-52, after levels in many wells reached minimum elevations of record in the fall of 1951. Water levels in observed wells northwest of Chino continued to decline during the year.

Bunker Hill Basin. Although ground water levels north of the City of San Bernardino continued to decline, levels underlying most of Bunker Hill Basin rose several feet in 1951-52, with the greatest rise observed near the Santa Ana River. Approximately 13,800 acre-feet of water were diverted from Santa Ana River and Mill Creek and spread in nearby basins by San Bernardino Valley Water Conservation District. Table 12 shows water level changes at selected wells in seven basins in the Upper Santa Ana Valley.

TABLE 12

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN UPPER SANTA ANA VALLEY

In Feet

Well numbers	R.P.	Beginning	Depth to ground water	Change in elevation	Date and extreme ground water level elevations of record	
Serial	Location	tion	1951	1952	Maximum	Minimum

Live Oak Basin

C- 595	4438	1,134.3	1905	166.3	153.4	+12.9	11-11-05 987.8	1-25-30 818.8
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Chino Basin

D- 727	17632	1,093	1929	397.1	394.1	+ 3.0	7-31-29 748.0	12-12-51 695.9
D- 743z	3277A	746.0	1904	107.6	114.6	- 7.0	4-14-05 744.6	9- 4-52 631.4
D- 909	16791	659.0	1927	55.5	52.9	+ 2.6	4-15-41 636.7	9-24-51 603.5
D-1033	17772	1,046.8	1930	290.7	286.8	+ 3.9	6- 7-30 781.5	11- 2-51 756.1
D-1044	17804	959.0	1912	202.7	197.5	+ 5.2	4-15-24 795.3	3- 4-52 754.9

Lytle Basin

D-1188a	18724	1,455.9	1912	277.1	248.9	+28.2	6-16-16 1,458.2	11-13-50 1,171.4
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Devil Canyon Basin

E- 10	18782	1,412.0	1918	187.3	198.1	-10.8	3-13-18 1,331.5	8- 4-52 1,213.9
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Bunker Hill Basin

E- 37	18827	1,130.3	1888	78.6	79.9	- 1.3	1888 1,147.1	9- 5-52 1,050.4
E- 107b	18075	1,206.9	1900	123.8	122.3	+ 1.5	3- 2-23 1,171.1	11-19-51 1,083.1
E- 109	18080	1,150.2	1892	74.2	67.2	+ 7.0	Feb. 1894 1,153.2	12- 1-51 1,076.0

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN UPPER SANTA ANA VALLEY

In Feet
(continued)

Well numbers	R.P.	Beginning	Depth to ground water	Change	Date and extreme		
Serial	Location	elevation	of record	in	ground water level		
					elevations of record		
			1951	1952	Maximum		
					Minimum		
<u>Yucaipa Basin</u>							
E- 136c	18229B	2,360.2	1926	206.5	209.0 - 2.5	5- 1-27 2,248.2	11-26-52 2,151.2
<u>Riverside Basin</u>							
E- 75	17964C	921.2	1915	58.0	50.5 + 7.5	6-23-21 905.6	10-18-36 851.7
E- 192	17012	846.3	1928	77.5	79.5 - 2.0	2-28-28 783.8	9-17-34 761.2

Coastal Plain, Orange County

East Coastal Plain Pressure Area. Pressure levels near the coast in East Coastal Plain Pressure Area rose about four feet in 1951-52, although the piezometric surface remained below sea level throughout most of the Basin. Water levels in observed wells south of the City of Santa Ana dropped approximately three feet between the fall of 1951 and the fall of 1952, with some levels in this area reaching minimum elevations of record in the fall of 1952. The trough in the piezometric surface, midway between the coast line and the City of Santa Ana, was as much as 45 feet below sea level in the fall of 1952. Intrusion of sea-water continued, especially in the Talbert zone in the Santa Ana gap where the farthest encroachment has taken place.

Santa Ana Forebay Area. Ground water levels in Santa Ana Forebay Area rose approximately six feet in 1951-52, although, levels in a portion of the Basin remained below sea level in the fall of 1952, as shown on Plate 2. During this season, about 38,200 acre-feet of Colorado River water were purchased by Orange County Water District and Orange County Flood Control District and discharged into the Santa Ana River channel near Arlington to be spread in artificial recharge grounds near Olive. Changes in ground water level elevations at selected wells in Coastal Plain, Orange County are shown in Table 13.

TABLE 13

CHANGES IN GROUND WATER LEVEL ELEVATIONS
IN COASTAL PLAIN, ORANGE COUNTY

In Feet

Well numbers	R.P.	Beginning	Depth to	Change	Date and extreme			
: Serial	: Location	: elevation	: of record	: ground water	: in			
			Fall	Fall	elevation			
			1951	1952	of record			
					Maximum			
					Minimum			
<u>East Coastal Plain Pressure Area</u>								
C- 909	1028B	25.4	1903	69.9	65.3	+ 4.6	12-19-24 40.8	7-31-51 - 44.5
C-991e	565A	17.4	1929	48.4	41.9	+ 6.5	1-21-30 15.4	8- 8-51 - 31.0
C-1160e	11484F	85.0	1941	100.5	101.6	- 1.1	1-11-45 28.9	9-12-52 - 16.6
C-1243	13322	40.1	1904	31.6	36.4	- 4.8	Flowing 1904 40.1	7-15-52 3.7
C-1257	13231	14.0	1922	35.9	32.2	+ 3.7	6-29-22 17.6	8-14-51 - 21.9
<u>Santa Ana Forebay Area</u>								
C-1056	15626A	201.2	1928	207.8	196.0	+11.8	5-29-41 85.2	12- 5-51 - 6.6
C-1120	14521	153.5	1928	158.8	152.4	+ 6.4	4-22-29 56.6	10-10-51 - 5.5
C-1129m	1189B	136.1	1898	153.8	149.2	+ 4.6	2-22-98 112.7	9-14-51 - 17.7
<u>La Habra Basin</u>								
C- 968	1746A	350.9	1922	58.3	56.7	+ 1.6	11-23-43 307.4	2-26-3 280.2
<u>Yorba Linda Basin</u>								
C-1097	15640	336.2	1922	185.5	190.2	- 4.7	8-31-22 198.5	1-26-3 140.8
<u>Irvine Basin</u>								
C-1217a	13451	283.4	1927	286.6	278.6	+ 8.0	12-12-27 67.4	9-21-5 - 3.2

San Jacinto Basin

In general, ground water levels in San Jacinto Basin rose about three feet in 1951-52, although levels in wells near the San Jacinto River east of Valle Vista rose as much as 50 feet, as indicated in Table 14. There was a wide variation in the depth to ground water within the Basin, ranging from approximately 10 feet near the San Jacinto River, southeast of Moreno, to about 315 feet, southwest of Valle Vista. During 1951-52, the Riverside County Flood Control and Water Conservation District diverted from the San Jacinto River and spread approximately 3,700 acre-feet of water at artificial recharge grounds near Valle Vista.

TABLE 14

CHANGES IN GROUND WATER LEVEL ELEVATIONS IN
SAN JACINTO BASIN

In Feet

Well number	: R.P. : : eleva- : : tion :	: Beginning : : of : : record :	: Depth to : : ground water : : Fall : : 1951 :	: Change : : in : : eleva- : : tion :	: Date and extreme : : ground water level : : elevations of record : : Maximum : Minimum	
6S/3W-22A	1,507.0	1906	---	81.2	---	4- 7-42 8-12-48 1,467.1 1,425.4
6S/3W-32A & C	1,434.8	1904	72.6	70.4	+ 2.2	6-20-05 5-10-40 1,403.1 1,358.7
6S/4W-1A & F	1,504.7	1904	47.6	45.7	+ 1.9	5-23-46 1-14-52 1,464.5 1,455.7
6S/1E-11A	1,890	1939	204.6	154.6	+50.0	4- 8-42 12- 5-51 1,854.3 1,685.4
6S/2W-24B	1,499.8	1914	45.8	44.2	+ 1.6	5- 6-16 8-11-48 1,494.7 1,448.6
6S/3W-4A & B	1,438.3	1914	71.3	64.9	+ 6.4	5- 6-16 12-20-51 1,410.3 1,367.0

San Luis Rey Valley

From the fall of 1951 to the fall of 1952, ground water levels in San Luis Rey Valley rose approximately two feet, as depicted on Plate 2, with levels in most wells being at the minimum elevation of record in 1951. Ground water levels southwest of San Luis Rey were still about eight feet below sea level during 1952, permitting the intrusion of sea water into the coastal portion of the Valley to continue. Table 15 lists depths to ground water at seven wells.

TABLE 15
CHANGES IN GROUND WATER LEVEL ELEVATIONS IN
SAN LUIS REY VALLEY

In Feet

Well number	: R.P. : : eleva- : : tion :	: Beginning : : of : : record :	: Depth to : : ground water :		: Change : : in : : eleva- : : tion :	: Date and extreme : : ground water level : : elevations of record :	
			: Fall : : 1951 :	: Fall : : 1952 :		: Maximum : : Minimum :	
10S/2W- 6F1	280.9	1937	14.1	7.7	+ 6.4	4-14-41 276.3	11-26-51 266.8
10S/3W-11G1	240.1	1939	23.2	19.6	+ 3.6	3-17-41 232.6	10- 8-51 216.9
10S/3W-20P1	162.3	1920	16.1	15.0	+ 1.1	3-17-41 156.3	10- 8-51 146.2
11S/4W- 5G1	59.6	1939	35.2	35.8	- 0.6	4-14-41 55.5	11-17-52 23.8
11S/4W- 9E1	68.6	1940	51.0	49.8	+ 1.2	4-14-41 62.1	11-12-51 17.6
11S/4W-18G1	36.4	1939	56.3	52.2	+ 4.0	4-14-41 28.4	7- 2-51 -19.9
11S/5W-13P2	24.4	1937	34.4	32.1	+ 2.3	4-14-41 16.9	10- 8-51 -10.0

Tia Juana Basin

Water levels in wells in Tia Juana Basin exhibited a three-foot rise in 1951-52, as shown in Table 16, with ground water levels in the western portion of the Basin remaining about two feet below sea level. Observed depths to ground water in the Basin varied from about five feet to 22 feet.

TABLE 16
CHANGES IN GROUND WATER LEVEL ELEVATIONS IN
TIA JUANA BASIN

In Feet

Well numbers :Tia Juana :Reference	: R.P. :eleva- :tion	:Beginning : of : record	Depth to ground water		:Change : in : eleva- : tion	Date and extreme ground water level elevations of record		
			: Fall : 1951	: Fall : 1952		: Maximum	: Minimum	
18S/2W-32P2	157	6.2	1921	6.1	4.8	+ 1.3	4-16-41 5.1	10-17-34 - 0.2
18S/2W-33R3	R	24.6	1936	22.3	18.3	+ 4.0	3- 2-44 21.9	12- 5-51 2.3
19S/2W- 1J3	H	57.2	1924	11.5	10.7	+ 0.8	3-15-41 52.9	12- 4-31 40.7
19S/2W- 2C3	D	39.4	1924	15.6	13.5	+ 2.1	4-16-41 36.6	1- 2-52 23.7
19S/2W-4A13	G	29.3	1924	24.7	20.4	+ 4.3	3-15-41 22.7	10- 2-51 4.6
19S/2W- 4B1	W	21.8	1936	23.8	22.3	+ 1.5	3- 2-44 19.7	11- 1-51 - 2.0
19S/2W- 5A1	37D	16.6	1937	21.6	18.0	+ 3.6	4-16-41 12.2	11- 1-51 - 5.0



CHAPTER III. RECORDS OF GROUND WATER LEVELS

A tabulation of distance to water surface for approximately 1,000 wells in Los Angeles, San Gabriel, and Santa Ana River Basins and in Antelope Valley is presented on the pages that follow. These records are a continuation of those published in previous reports of the Bulletin 39 series.

Following is a list of abbreviations used in this report;

- D.W.R. Division of Water Resources
- L.A. Co. F.C.D. Los Angeles County Flood Control District
- L.A.D.W. & P. Los Angeles Department of Water and Power
- L.B.W.D. Long Beach Water Department
- M.W.D. The Metropolitan Water District
of Southern California
- O. Co. F.C.D. Orange County Flood Control District
- Riv. Co. F.C.D. Riverside County Flood Control and Water
Conservation District
- S.B. Co. F.C.D. San Bernardino County Flood Control District
- S.B.V.W.C.D. San Bernardino Valley Water Conservation District
- S.B.W.D. San Bernardino Water Department
- S.C.W. Co. Southern California Water Company
- S.G.V.P.A. San Gabriel Valley Protective Association
- U.S.G.S. United States Geological Survey
- U.S.W.B. United States Weather Bureau

Records of Ground Water Levels at Wells
in District "A"



Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1952			1952		
A-3b-B-6 1245.	Mar. 21	131.2	A-13-D-3 825.9	Jan. 8	26.6
A-4c-B-6 1229.8	Jan. 8	27.1		Feb. 5	25.5
	Feb. 5	14.5		Mar. 4	25.0
	Mar. 4	16.6		May 2	23.2
	Apr. 1	12.2		June 10	22.9
	June 11	19.7		July 8	22.8
	Nov. 20 a	17.6		Aug. 12	22.5
A-4e-B-6 1281.8	Apr. 29	36.5		Sep. 8	22.2
	Nov. 20 b	33.2	A-15-D-4 791.2	Nov. 3	22.3
A-5a-C-2 959.4	Jan. 8	9.1		Dec. 8	22.2
	Feb. 5	7.6		Jan. 9 a	8.5
	Mar. 4	8.0		Feb. 8 a	5.5
	Apr. 15	7.9		Mar. 4 a	6.0
	May 2	8.3		May 7 a	5.4
	June 10 b	9.2		June 5 a	6.0
	July 8 b	9.8		July 9 a	6.4
	Aug. 12 b	10.4		Aug. 7 a	8.1
	Sep. 8 b	10.9		Sep. 5 a	8.4
	Nov. 3 b	10.7		Oct. 10 a	8.2
A-9-D-3 879.6	Apr. 3 a	62.2		Nov. 6 a	8.2
	Dec. 4 a	59.0		Dec. 4 a	7.2
A-10-E-3 791.4	Feb. 13	11.2	A-18a-D-4 869.1	Apr. 3 a	133.3
	Mar. 28	10.0		Dec. 3 a	132.0
	May 6	9.8	A-18c-D-4 783.	May 2	53.4
	June 4	11.7		Dec. 5	53.2
	July 9	12.0	A-22-D-5 862.5	Apr. 3 a	194.2
	Aug. 6	12.4		Dec. 5 a	193.0
	Sep. 3	12.8	A-24-B-5 1158.4	May 6	38.9
	Oct. 8	12.9		Dec. 10	42.2
	Dec. 9	11.7	A-24a-C-5 1121.0	Mar. 4	10.0
A-12-D-3 830.0	Apr. 3 a	15.9			
	Dec. 4 a	14.3			

a Meas. from L.A.D.W. & P.
 b Meas. by L.A.D.W. & P. from L.A.Co.F.C.D.
 Measts. from L.A.Co.F.C.D. except as noted.

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	
Date :	Feet :	

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	
Date :	Feet :	

1952

1952

A-24b-C-5	Apr. 8	16.8
1033.8	Nov. 20	21.7

A-31-D-6	Jan. 3	a	258.0
903.0	Feb. 1	a	257.9

A-26-D-5	Jan. 2	225.0
879.0	Feb. 5	225.5
	Mar. 4	224.8
	Apr. 1	223.4
	May 13	217.1
	June 10	216.1
	July 8	216.7
	Aug. 5	217.0
	Sep. 9	218.1
	Oct. 7	219.2
	Nov. 4	219.8
	Dec. 2	220.1

	Mar. 6	a	257.1
	Apr. 4	a	254.5
	May 2	a	254.0
	July 11		246.8
	Oct. 10		250.6
	Nov. 7		251.4
	Dec. 4		251.9

A-27-D-5	Jan. 3	128.7
794.6	Feb. 7	129.1
	Mar. 6	129.2
	Apr. 4	128.8
	May 8	128.3
	June 5	128.4
	July 11	128.9
	Aug. 8	133.6
	Sep. 5	133.6
	Oct. 10	133.8
	Nov. 7	133.6
	Dec. 4	133.4

A-31a-D-6	Jan. 3	183.4
820.2	Feb. 7	183.6
	Mar. 19	182.4
	Apr. 4	181.4
	May 8	177.5
	June 5	175.7
	July 11	176.0
	Aug. 8	176.7
	Sep. 5	177.8
	Oct. 10	179.3
	Dec. 4	179.0

A-27a-D-5	Apr. 1	139.0
793.2	May 2	138.3
	June 5	138.1
	July 11	138.0
	Aug. 8	138.0
	Sep. 5	138.3
	Oct. 10	138.6
	Nov. 7	138.8
	Dec. 4	139.0

A-35-D-6	Apr. 1	b	252.0
*	May 15	b	245.7
	July 22	b	242.4
	Aug. 12	b	250.0

A-37-C-7	Apr. 2	174.2
1204.2	Nov. 20	174.7

A-41-C-7	Apr. 2	29.3
1099.1	Nov. 20	28.2

A-44-C-7	Apr. 2	30.3
1164.1	Apr. 29	33.4
	June 10	33.6
	July 8	36.0
	Aug. 13	32.6
	Sep. 8	32.8
	Nov. 20	38.4

A-28b-B-6	Mar. 4	17.8
1130.7	Dec. 1	19.1

* R.P. elev. 886.6 through July 22, 1952; then 888.5.

a Meas. by L.A.D.W. & P. from L.A. Co. F.C.D.

b Meas. from L.A. Co. F.C.D.

Measts. from L.A.D.W. & P. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1952

1952

A-45-C-8 Apr. 2 20.3
 1159.8 Nov. 20 25.3

A-72-E-5 Apr. 2 55.7
 732.5 Nov. 26 56.6

A-48-C-8 Apr. 3 51.5
 1286.1 Nov. 21 45.8

A-73-E-5 Feb. 13 a 23.0
 690.1 Mar. 28 a 21.4

A-50b-D-9 Apr. 29 a 152.6
 1750. Nov. 24 a 151.3

May 6 a 21.0

June 4 a 21.6

July 9 a 22.3

Aug. 6 a 23.0

Sep. 3 a 23.7

Nov. 12 a 25.0

A-54e-D-10 Apr. 29 a 50.4
 1498. Nov. 24 a 56.0

A-56d-E-2 May 6 a 24.9
 882.9 Nov. 18 a 26.9

A-74-E-5 Feb. 13 a 92.6
 732.6 Mar. 28 a 89.7

May 8 a 88.5

June 4 a 87.8

July 9 a 89.3

Aug. 8 a 90.7

Sep. 8 a 91.4

Oct. 8 a 92.8

Nov. 12 a 91.0

Dec. 3 a 90.3

A-58d-E-3 Apr. 2 14.3
 798.6 May 6 a 14.1
 Nov. 26 16.6

A-60-E-3 Apr. 2 14.7
 793.6 Nov. 26 18.1

A-62a-E-3 Jan. 9 13.0
 769.9 Feb. 7 11.6
 Mar. 4 12.8
 Apr. 3 11.7
 May 7 12.9
 June 5 12.9
 July 9 13.5
 Aug. 7 13.6
 Sep. 3 14.2
 Oct. 10 14.3
 Nov. 6 14.2
 Dec. 3 14.0

A-75-F-6 Feb. 11 a 16.0
 654.3 Mar. 28 a 14.2

May 6 a 17.2

June 4 a 18.3

July 9 19.7

Aug. 6 20.7

Sep. 4 21.3

Nov. 12 20.8

Dec. 9 a 19.2

A-66b-E-4 Apr. 3 8.0

A-76-E-6 Jan. 3 81.1
 707.2 Feb. 11 a 81.1

Mar. 28 a 79.4

Apr. 4 79.0

May 8 a 76.7

June 4 a 77.2

A-71a-E-5 Nov. 26 9.0
 723.9

* R.P. elev. 729.4 through Nov. 7, 1951; then 728.7.

a Meas. from L.A.Co.F.C.D.

Measts. from L.A.D.W.&P. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1952

1952

A-76-E-6	July 11	a	80.1
Cont.	Aug. 8	a	82.3
	Sep. 5	a	83.7
	Oct. 10	a	85.2
	Nov. 7	a	80.2
	Dec. 4	a	79.3
A-80c-E-7	Apr. 2	a	123.4
713.7	Nov. 20	a	133.3
A-81d-E-6	Feb. 11		50.8
656.8	Mar. 28		48.9
	May 8		44.6
	June 4		46.4
	July 9		46.3
	Aug. 8		48.4
	Sep. 4		48.3
	Oct. 10		48.3
	Nov. 12		45.6
	Dec. 9		47.5

A-82-F-6	Apr. 4	a	39.8
633.9	Nov. 21	a	40.7
A-89d-E-8	Jan. 2	b	89.5
*620.6	Feb. 5	b	88.5
**621.4	Mar. 4	b	87.8
	Apr. 1	b	86.9
	May 6	b	85.2
	June 4	b	86.5
	Sep. 10	a	93.2
	Oct. 7	a	94.5
	Nov. 25	a	94.7
	Dec. 23	a	93.2
A-98-E-10	Jan. 4	b	68.2
965.2	Feb. 1	b	65.2
	Mar. 7	b	63.2
	Apr. 4	b	57.2
	May 30	b	50.2

* R.P. used by owner.

** R.P. used by L.A.D.W. & P.

a Meas. from L.A.D.W. & P.

b Meas. by owner from L.A. Co. F.C.D.

Measts. from L.A. Co. F.C.D. except as noted.

Records of Ground Water Levels at Wells
in District "B"



Well Number :	Dist. R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	
Date :	Feet :	

Well Number :	Dist. R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	
Date :	Feet :	

1952

1952

B-3-I-5	May 26	96.2
114.	Dec. 15	95.2

B-18-H-9	May 23	130.0
225.	Dec. 30	130.2

B-6d-H-6	May 6	118.5
195.8	Dec. 22	118.5

B-18a-H-9	May 23	144.7
231.1	Dec. 30	145.5

B-10o-I-6	Apr. 30	128.3
54.0	Dec. 22	105.5

B-23-I-5	Feb. 6	22.5
22.2	Apr. 7	21.4

B-10p-I-6	Feb. 6	76.8
84.6	Apr. 7	76.2
	May 6	75.9
	June 9	75.6
	July 7	75.3
	Aug. 4	75.5
	Sep. 2	75.2
	Oct. 6	75.6

	May 13	21.4
	July 8	22.7
	Oct. 6	22.5

B-24a-J-6	May 5	17.8
14.7	Dec. 9	14.7

B-12-H-7	May 6	70.6
100.	Dec. 22	74.4

B-27d-J-6	Apr. 29	21.2
15.6	May 5 a	21.3
	Dec. 16	21.8

B-13-I-6	May 5	56.1
68.0	Dec. 22	58.8

B-28c-J-6	May 14 a	134.1
130.6		

B-14-G-8	July 7	27.0
290.0	Dec. 17	26.1

B-31-J-6	May 5 a	148.8
143.0	Nov. 17 a	149.8

B-14d-G-8	Feb. 6	45.0
335.9	Apr. 8	43.2
	May 6	42.7
	July 7	42.0
	Aug. 6	41.8
	Oct. 8	41.3
	Dec. 17	41.0

B-36b-K-6	May 1 a	161.6
141.6	Nov. 17 a	174.5

B-15-I-8	Feb. 6	76.4
110.7	Apr. 8	65.6
	May 21	79.6
	June 11	85.8
	July 9	91.7
	Aug. 5	96.3
	Sep. 3	99.9
	Oct. 8	102.9

B-50-I-9	May 6	140.8
156.1	Dec. 8	151.0

B-51k-J-9	May 6	130.2
140.6	Dec. 8	134.6

B-52-J-8	May 12	184.3
178.8	Dec. 9	189.7

B-54-K-8	Jan. 8	171
136.	Feb. 8	172

B-57-J-9	Jan. 30 b	147.1
125.	Feb. 27 b	152.4

	Mar. 28 b	139.4
	June 6 b	162.6

a Meas. from D.W.R.

b Meas. from L.A.D.W. & P.

Measts. from L.A. Co. F.C.D. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1952

1952

B-58d-K-9	Jan. 30	a	148.0
125.6	Feb. 27	a	146.7
	Mar. 28	a	145.3
	June 6	a	153.2

B-72e-K-10	Jan. 8		42.4
107.0	Feb. 4		41.6
	Mar. 4		41.6
	Apr. 2		40.9
	May 8		41.9
	June 4		42.8
	July 2		43.4
	Aug. 25		45.6
	Sep. 29		45.2
	Nov. 5		45.1
	Dec. 8		43.6

B-64d-L-9	Jan. 4	b	81.7
92.8	Feb. 15	b	84.3
	Mar. 28	b	86.5
	May 9	b	89.1
	May 30	b	98.3
	July 9	b	103.5
	Aug. 22	b	103.2

B-84-L-6	Apr. 29		157.1
142.1	Oct. 23		157.8
	Nov. 26		158.4
	Dec. 16		158.4

B-67-K-10	May 6		51.4
104.	Dec. 8		53.4

B-90c-L-7	Jan. 30	d	149
99.6	Feb. 29	d	130
	May 2	d	147
	July 2	d	132
	Sep. 3	d	131
	Sep. 30	d	132

B-69-K-9	Jan. 4	b	88.7
86.5	Jan. 25	b	87.1
	Mar. 8	b	88.1
	Mar. 28	b	89.5
	Apr. 18	b	90.1
	May 9	b	93.8
	June 20	b	101.3
	Aug. 1	b	105.9
	Aug. 22	b	104.6
	Oct. 3	b	99.9
	Oct. 24	b	97.8
	Nov. 14	b	98.4
	Dec. 5	b	96.5

B-91-L-7	Jan. 15	e	109
61.	Feb. 15	e	112
	Mar. 15	e	112
	Apr. 8	e	113
	May 15	e	115
	June 15	e	117
	July 15	e	118
	Aug. 15	e	117
	Sep. 15	e	116
	Oct. 15	e	116
	Nov. 15	e	114
	Dec. 15	e	113

B-70b-J-10	Jan.	c	174
178.7	Feb.	c	180
	Mar.	c	174
	Apr.	c	181
	May	c	179
	June	c	181
	July	c	184
	Aug.	c	184
	Sep.	c	181
	Oct.	c	182
	Nov.	c	181
	Dec.	c	176

B-95-N-7	May 19		140.6
108.7	Nov. 18		143.5

B-100-N-8	Feb. 5		117.9
82.	Apr. 8		117.0

- a Meas. from L.A.D.W. & P.
- b Meas. by S.G.V.P.A. from L.A. Co. F.C.D.
- c Meas. by owner from L.A. Co. F.C.D.
- d Meas. from owner.
- e Meas. by S.C.W.Co. from L.A. Co. F.C.D.
- Measts. from L.A. Co. F.C.D. except as noted.

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	Feet

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	Feet

1952

1952

B-100-N-8	May 13	a	118.6
Cont.	June 9	a	118.5
	July 9	a	117.8
	Sep. 3	a	118.4
	Oct. 7	a	119.0
	Nov. 18	a	118.8

B-115a-N-9	Sep.		107
Cont.	Oct.		107
	Nov.		106
	Dec.		107

B-101b-L-8	Apr. 29	b	89.3
45.4	Nov. 25	b	82.1

B-115g-N-9	Feb. 1		115.3
35.0	Mar. 1		117.5
	Apr. 1		115.2
	May 1		114.6
	May 28		125.2
	July 1		129.2
	Aug. 1		129.7
	Sep. 1		133.0
	Oct. 1		131.4
	Nov. 1		128.6
	Dec. 1		123.2

B-102-L-8	Apr. 24	b	78.3
41.	Dec. 5	b	79.8

B-106-L-8	Jan. 15	c	125
55.0	Feb. 15	c	123
	Mar. 15	c	122
	Apr. 15	c	124
	May 15	c	122
	June 15	c	130
	Oct. 8	c	135
	Nov. 24	c	135

B-117-L-10	May 5	a	123.9
97.8	Dec. 10	a	126.8

B-118-M-10	Jan. 10	d	39.2
34.0	Feb. 20	d	39.4
	Mar. 28	d	37.8
	Apr. 16	d	37.7
	May 23	d	38.3
	June 13	d	38.6
	July 11	d	39.9
	Aug. 8	d	40.2
	Sep. 19	d	39.7
	Oct. 10	d	39.6
	Nov. 21	d	39.6
	Dec. 12	d	39.4

B-106a-L-9	May 7	a	110.6
78.9	Dec. 9	a	114.7

B-108-M-8	Apr. 29	b	72.3
35.6	Nov. 20	b	76.1

B-110b-N-9	Apr. 30	b	105.8
44.8	Nov. 21	b	110.1

B-113-M-9	Dec. 11	a	91.4
17.3			

B-119-M-9	May 6	b	54.3
24.6	Nov. 25	b	61.5

B-119q-M-10	May 8	a	34.0
24.9	Dec. 15	a	35.4

B-122f-L-10	Jan. 4	e	41.4
61.6	Jan. 25	e	40.2
	Feb. 15	e	40.0

a Meas. from L.A.Co.F.C.D.
b Meas. from D.W.R.
c Meas. by S.C.W.Co. from L.A.Co.F.C.D.
d Meas. by L.B.W.D. from L.A.Co.F.C.D.
e Meas. by S.G.V.P.A. from L.A.Co.F.C.D.
Measts. from owner except as noted.

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

1952

1952

B-122f-L-10	Mar. 8	a	40.4
Cont.	Mar. 28	a	39.2
	Apr. 18	a	39.7
	May 9	a	41.8
	May 30	a	46.6
	June 20	a	48.1
	July 9	a	49.4
	Aug. 1	a	52.1
	Sep. 12	a	52.2
	Oct. 3	a	50.3
	Nov. 14	a	48.0

B-123e-M-10	May 8	b	32.4
42.7	Dec. 10	b	33.9

B-129-L-10	May 5	b	56.9
58.1	Aug. 28	b	67.8
	Nov. 24	b	64.5

B-129b-M-10	Jan. 10	b	57.1
37.4	Feb. 1	b	56.3
	Feb. 20	b	57.3
	Mar. 28	b	53.4
	Apr. 16	b	53.4
	May 5	b	57.1
	May 23	b	60.9
	June 13	b	59.4
	July 11	b	60.5
	Aug. 8	b	64.4
	Sep. 19	b	62.5
	Oct. 10	b	61.8
	Nov. 21	b	57.4
	Dec. 12	b	56.4

B-130e-N-8	Apr. 22	c	223.4
184.0	Nov. 17	c	225.4

B-132-N-8	Jan. 4	b	113.5
71.2	Dec. 10	b	117.5

B-133-N-8	Feb. 24	d	101.2
45.2			

B-136-N-10	Jan. 10		16.4
8.0	Feb. 1		16.1
	Feb. 20		15.9
	Mar. 7		15.6
	Mar. 28		16.9
	Apr. 16		15.4
	May 2		15.4
	May 23		16.0
	June 13		16.0
	July 11		15.6
	Aug. 8		16.0
	Oct. 10		17.1
	Oct. 31		17.8
	Nov. 21		17.6
	Dec. 12		16.8

B-136d-N-10	Jan. 10		13.2
7.0	Feb. 1		12.6
	Feb. 20		13.6
	Mar. 7		12.5
	Mar. 28		13.1
	Apr. 16		13.8
	May 2		13.0
	May 23		13.2
	June 13		13.2
	July 11		13.6
	Aug. 8		13.8
	Aug. 29		13.8
	Sep. 19		14.0
	Oct. 10		14.2
	Oct. 31		15.0
	Nov. 21		13.4
	Dec. 12		14.1

a Meas. by S.G.V.P.A. from L.A. Co. F.C.D.

b Meas. from L.A. Co. F.C.D.

c Meas. from D.W.R.

d Meas. from owner.

Measts. by L.B.W.D. from L.A. Co. F.C.D. except as noted.

Records of Ground Water Levels at Wells
in District "C"



Well Number :	Dist. R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	Feet :
Date :		

Well Number :	Dist. R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	Feet :
Date :		

1952

1952

C-1c-E-11 1172.4	Jan. 25		232.0
	Mar. 3		225.6
	Mar. 30		220.0
	Apr. 25		214.3
	June 25		215.5
	Sep. 15		234.2
	Oct. 31		232.0
Dec. 1		221.2	

C-7-E-11 Cont.	Aug. 2		164.9
	Sep. 3		168.3
	Oct. 7		169.6
	Nov. 12		170.8
Dec. 4		170.2	

C-1k-D-10 1273.3	Apr. 8	a	310.5
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C-10-E-11 1046.6	Jan. 8		127.7
	Feb. 5		124.9
	Mar. 3		120.7
	Apr. 3	a	116.3
	May 5		111.2
	June 2		107.5
	July 6		109.7
	Aug. 2		104.8
Sep. 3		105.6	
Oct. 7		107.0	
Nov. 12		108.4	
Dec. 4		108.8	

C-3-E-11 1202.3	Jan. 31		272
	Feb. 29		269
	Mar. 31		262
	Apr. 30		251
	May 31		252
	June 30		255
	July 31		260
	Aug. 31		263
	Sep. 30		265
	Oct. 31		265
	Nov. 30		265
	Dec. 31		261

C-11-E-11 1188.5	Apr. 11	a	273.1
	Dec. 2	a	280.3

C-12-E-11 1134.2	Jan. 31		214.2
	Feb. 29		203.5
	Mar. 31		196
	Apr. 30		185
	May 31		215
	June 30		218
	July 31		197
	Aug. 31		180
	Sep. 30		180.5
	Oct. 31		186.5
Nov. 30		187.6	
Dec. 31		189.5	

C-5-E-11 1070.6	Jan. 8	a	145.5
	Feb. 5		125.4
	Apr. 3	a	112.9
	May 5		103.4
	June 2		113.1
	July 6		118.1
	Aug. 2		123.1
	Sep. 3		127.7
	Oct. 7		130.5
	Nov. 12		130.3
	Dec. 4		128.7

C-16-F-11 916.5	Jan. 8		252.0
	Feb. 5		250.6
	Apr. 3	a	250.1
	May 5		249.3
	June 2		252.6
	July 6		253.8
	Aug. 4		257.7
Sep. 2		257.4	

C-7-E-11 1109.7	Jan. 8		189.4
	Feb. 5		182.4
	Apr. 3	a	166.0
	May 5		164.8
	June 2		162.9
	July 6		163.2

a Meas. from D.W.R.

Measts. from owner except as noted.

Well Number :	Date :	Dist.R.P. :	to water :	surface, :	Feet :
R.P. Elev. :					

Well Number :	Date :	Dist.R.P. :	to water :	surface, :	Feet :
R.P. Elev. :					

1952			
C-16-F-11	Oct. 7		257.9
Cont.	Nov. 12		253.9
	Dec. 4		252.8
C-22-F-11	Jan. 8		235.5
897.9	Feb. 5		234.1
	Apr. 3	a	233.8
	May 12		235.9
	July 7		240.4
	Aug. 4		242.4
	Sep. 2		243.4
	Oct. 7		243.5
	Nov. 10		239.4
	Dec. 4		237.7
C-31a-F-11	Apr. 14	a	126.5
773.2	Nov. 25	a	127.1
C-42-E-12	Apr. 10	a	307.8
865.6	Nov. 21	a	309.0
C-44-F-12	Jan. 8		322.7
879.0	Feb. 6		320.9
	Mar. 4		320.5
	Apr. 3	a	318.6
	May 5		321.6
	June 2		320.5
	July 6		324.7
	Aug. 3		327.2
	Sep. 2		329.3
	Oct. 7		329.0
	Nov. 10		329.1
	Dec. 4		327.0
C-47-F-12	Apr. 8	a	149.5
698.8	Nov. 21	a	152.7
C-49-F-12	Jan. 1		170.7
720.0	Feb. 1		170.7
	Mar. 1		170.7
	Apr. 1		170.7
	May 1		168.4
	June 4		170.7

1952			
C-49-F-12	July 1		177.7
Cont.	Aug. 1		174.8
	Sep. 1		175.4
	Oct. 1		175.4
	Nov. 1		176.0
	Dec. 1		173.0
C-52a-F-12	Jan. 8		237.7
791.2	Feb. 6		234.4
	Mar. 4		235.1
	Apr. 3	a	233.1
	May 12		234.6
	June 2		236.2
	July 7		241.2
	Aug. 4		244.5
	Sep. 2		246.8
	Oct. 7		244.9
	Nov. 10		244.1
	Dec. 4		242.0
C-55-F-12	Jan. 31		176.2
736.3	Feb. 29		176.0
	Apr. 11	a	175.3
	Apr. 30		174.6
	May 31		180
	June 30		181
	July 31		184
	Aug. 31		184
	Sep. 30		183
	Nov. 30		188
	Dec. 31		180
C-62-F-12	Jan. 31		86
673.6	Feb. 29		85
	Mar. 31		83
	Apr. 30		82
	May 31		85
	June 30		89
	July 31		90
	Aug. 31		92
	Sep. 30		97
	Oct. 31		90

a Meas. from D.W.R.

Measts. from owners except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1952

1952

C-62-F-12 Nov. 30 86
 Cont. Dec. 2 a 87.2
 Dec. 31 86

C-74-F-12 Apr. 8 a 127.0
 676.8 Nov. 24 a 129.3

C-76-F-12 Apr. 8 a 118.8
 665.8 Nov. 25 a 119.0

C-101-F-13 Jan. 4 109.0
 603.0 Feb. 6 101.0
 Mar. 6 91.0
 Apr. 10 a 79.6
 May 1 72.0
 May 29 67.0
 July 2 70.0
 July 30 86.0
 Aug. 29 86.0
 Oct. 3 90.0
 Nov. 1 87.0
 Dec. 5 77.0

C-102-F-14 Apr. 14 a 14.9
 594.0 Nov. 24 a 16.7

C-103-F-13 Apr. 9 a 82.0
 627.5 Dec. 3 a 81.2

C-111-F-11 Jan. 8 162.1
 776.3 Feb. 6 160.7
 Mar. 3 160.4
 Apr. 3 a 158.9
 May 6 158.4
 June 2 161.9
 July 8 164.5
 Aug. 3 166.3
 Sep. 2 167.7
 Oct. 8 166.9
 Nov. 11 164.4
 Dec. 4 163.2

C-115-E-12 Nov. 25 a 48.4
 1105.

C-119-F-12 Jan. 1 110
 662.5 Feb. 1 109.0
 Mar. 1 109.0
 Apr. 1 108.0
 May 1 106
 July 1 112
 Aug. 1 120
 Sep. 1 121
 Oct. 1 118
 Nov. 1 117
 Dec. 1 114

C-130-F-13 Jan. 13 143.2
 677.0 Feb. 29 159.2
 Mar. 31 146.8
 Apr. 30 136.1
 May 31 136.8
 June 30 136.1
 July 31 155.1
 Aug. 31 163.0
 Sep. 30 160
 Oct. 31 165.9
 Nov. 30 152.6
 Dec. 31 143.2

C-200-F-13 Mar. 14 b 219.1
 * Apr. 4 b 220.4
 May 2 b 218.3
 June 6 b 218.5
 July 18 b 218.9
 Aug. 8 b 218.2
 Sep. 19 b 219.0
 Oct. 10 b 218.9
 Nov. 21 b 216.8
 Dec. 13 b 216.2

C-201-G-12 Feb. 1 285
 507.7 Oct. 1 294
 Nov. 1 297
 Dec. 1 291

* R.P. elev. 482.9 through May 2, 1952; then 481.1.
 a Meas. from D.W.R.
 b Meas. by S.G.V.P.A. from L.A. Co. F.C.D.
 Measts. from owner except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1952

1952

C-204-G-12 Jan. 11 a 260.0
 478.9 Feb. 1 a 259.7
 Mar. 14 a 258.9
 Apr. 4 a 259.4
 May 16 a 259.6
 June 6 a 261.2
 June 28 a 262.8
 Aug. 8 a 270
 Aug. 29 a 270.9
 Oct. 10 a 268.3
 Oct. 31 a 268.1
 Dec. 13 a 264.6

C-230a-H-13 Jan. 11 34.1
 278.6 Feb. 1 31.6
 Mar. 14 30.5
 Apr. 11 29.0
 May 15 28.7
 June 24 29.2
 July 18 29.6
 Aug. 7 30.0
 Sep. 19 30.9
 Oct. 10 31.2
 Nov. 21 30.2
 Dec. 13 29.6

C-206-G-12 Jan. 1 a 320.0
 534.6 Feb. 1 a 319.0
 Mar. 1 a 318.8
 Apr. 1 a 318.5
 May 16 a 318.5
 June 1 a 318.5
 July 18 a 325.1
 Aug. 8 a 326.8
 Aug. 29 a 327.4
 Oct. 10 a 329.0
 Oct. 31 a 328.0
 Dec. 13 a 324.9

C-234-H-13 Jan. 2 11.9
 242.6 Jan. 30 9.4
 Feb. 18 10.3
 Apr. 2 8.5
 May 21 9.7
 June 11 10.0
 July 2 10.3
 Aug. 20 11.0
 Sep. 17 11.3
 Oct. 15 11.7
 Nov. 12 11.1
 Dec. 10 10.5

C-223-G-13 Jan. 11 54.7
 306.2 Feb. 1 54.0
 Mar. 14 52.9
 Apr. 11 51.6
 May 2 50.6
 June 6 50.3
 July 18 49.9
 Aug. 7 51.5
 Oct. 31 50.6
 Nov. 21 50.4
 Dec. 13 48.9

C-237w-H-13 Jan. 9 18.4
 240. Feb. 6 15.8
 Mar. 5 15.2
 Apr. 2 13.9
 May 7 13.3
 June 4 13.6
 July 4 14.1
 Aug. 13 14.8
 Sep. 3 15.2
 Oct. 1 15.3
 Nov. 5 15.1
 Dec. 3 14.0

C-224-G-13 Jan. 24 b 54.8
 314.5 Feb. 29 b 59.1
 Apr. 2 b 77.0
 Apr. 30 b 76.6
 Dec. 30 b 58.3

C-239-H-13 Jan. 11 18.1
 228.2 Feb. 1 16.2
 Mar. 14 15.4
 Apr. 4 15.0

a Meas. from L.A. Co. F.C.D.

b Meas. by owner from L.A. Co. F.C.D.

Measts. by S.G.V.P.A. from L.A. Co. F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1952

1952

C-239-H-13 May 15 15.4
 Cont. June 6 15.8
 June 24 16.5
 Aug. 7 17.1
 Sep. 19 17.6
 Oct. 10 17.2
 Nov. 21 15.8
 Dec. 12 15.6

C-243-F-14 Jan. 11 168.9
 416.5 Feb. 1 163.8
 Mar. 14 153.2
 Apr. 11 146.0
 May 2 142.6
 June 6 145.5
 Oct. 31 154.8
 Nov. 21 147.5
 Dec. 13 141.8

C-240q-I-13 Jan. 9 9.4
 213.0 Feb. 6 6.6
 Mar. 5 6.4
 Apr. 2 5.5
 May 7 6.3
 June 4 8.1
 July 2 9.4
 Aug. 6 10.0
 Sep. 3 10.3
 Oct. 1 9.8
 Nov. 5 8.6
 Dec. 3 6.5

C-243b-F-14 Apr. 29 a 33.6
 797.2 Nov. 19 a 46.6

C-243d-F-14 Jan. 21 a 106.7
 699.5 Feb. 6 a 91.4
 Mar. 14 a 80.1
 May 16 a 76.2
 June 5 a 98.0
 Aug. 8 a 73.4
 Oct. 10 a 101.5

C-241-F-14 Jan. 11 162.1
 416.6 Feb. 1 161.7
 Mar. 14 160.8
 Apr. 4 159.8
 May 2 158.8
 June 6 155.8
 July 18 155.5
 Aug. 8 155.8
 Aug. 29 156.2
 Oct. 10 156.6
 Nov. 21 155.1
 Dec. 13 154.1

C-249-G-14 Apr. 2 75.5
 334.8 May 2 71.0
 June 4 72.8
 July 2 74.5
 July 30 b
 Nov. 12 75.3
 Dec. 17 70.3

C-259-H-14 Jan. 23 50.9
 Feb. 29 48.2
 Mar. 21 45.7
 Apr. 24 42.2
 May 23 41.1
 June 24 41.6
 July 17 42.5
 Aug. 28 43.8
 Sep. 18 45.0
 Oct. 30 45.1
 Nov. 20 43.8
 Dec. 11 41.8

C-242-F-14 Jan. 11 156.9
 404.5 Feb. 22 159.0
 Mar. 21 147.7
 Apr. 11 136.5
 May 16 136.3
 June 6 138.3
 Sep. 19 157.9
 Oct. 10 150.3
 Dec. 13 134.5

a Meas. from L.A. Co. F.C.D.

b Dry at 78.3 ft.

Measts. by S.G.V.P.A. from L.A. Co. F.C.D. except as noted.

Well Number :	and :	R.P. Elev. :	Date :	Feet :	Dist.R.P. :	to water :	surface, :
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Well Number :	and :	R.P. Elev. :	Date :	Feet :	Dist.R.P. :	to water :	surface, :
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1952

1952

C-266-H-14	Jan. 10		41.2	
294.5	Feb. 8		39.0	
	Mar. 14		36.0	
	May 15		35.7	
	June 24		37.9	
	July 17		40.1	
	Aug. 7		41.3	
	Sep. 18		40.6	
	Oct. 30		38.0	
	Nov. 20		33.9	
	Dec. 11		31.5	

C-278-F-15	Jan. 11		28.3	
635.1	Feb. 1		13.1	
	Feb. 22		14.4	
	Apr. 4		13.6	
	Apr. 25		15.2	
	June 6		19.2	
	Aug. 8		25.5	
	Sep. 19		26.4	
	Oct. 31		21.2	
	Nov. 21		15.2	
	Dec. 13		16.9	

C-280-F-15	Jan. 11		197.2	
"	Feb. 1		157.1	
	Feb. 22		39.8	
	Mar. 14		36.9	
	Apr. 4		39.4	
	Apr. 25		37.1	
	June 6		40.6	
	July 18		44.4	
	Aug. 8		45.5	
	Sep. 19		47.7	
	Oct. 10		47.9	
	Nov. 21		36.6	
	Dec. 13		39.2	

C-281-F-15	Jan. 8	a	253.2	
593.0	Feb. 6	a	131.5	
	Mar. 6	a	74.3	
	Apr. 7	a	52.5	
	Apr. 29	a	67.1	

C-281-F-15	June 11	a	73.8	
Cont.	July 9	a	81.7	
	Aug. 12	a	90.3	
	Sep. 10	a	94.4	
	Oct. 1	a	94.0	
	Oct. 27	a	82.8	
	Nov. 28	a	65.4	

C-283-G-15	Jan. 2		210.1	
456.6	Feb. 6		175.1	
	Mar. 5		187.3	
	Apr. 2		171.1	
	May 2		174.9	
	June 4		180.9	
	July 9		185.2	
	Aug. 13		189.3	
	Sep. 17		192.9	
	Oct. 15		194.6	
	Nov. 5		187.6	
	Dec. 3		169.8	

C-285-F-16	Jan. 11		42.4	
**	Feb. 1		24.9	
	Feb. 22		29.6	
	Mar. 14		26.9	
	June 6		43.1	
	Oct. 31		43.8	

C-294a-G-15	Jan. 2		140.9	
387.7	Jan. 30		132.5	
	Feb. 27		123.7	
	Apr. 2		120.1	
	Apr. 30		112.7	
	May 28		115.4	
	July 2		118.2	
	July 28		120.7	
	Sep. 3		124.3	
	Oct. 1		126.1	
	Nov. 5		125.3	
	Dec. 10		112.9	

* R.P. elev. 591.2 through Feb. 22, 1952; then 591.4

** R.P. elev. 686.0 through Apr. 4, 1952; then 686.3

a Meas. from L.A. Co. F.C.D.

Measts. by S.G.V.P.A. from L.A. Co. F.C.D. except as noted.

Well Number	Date	Dist.R.P.	to water	surface,	Feet

Well Number	Date	Dist.R.P.	to water	surface,	Feet

1952

C-295-G-15	Jan. 23	152.0
401.45	Feb. 20	140.4
	Mar. 14	138.1
	Apr. 11	130.8
	May 14	126.9
	June 25	130.1
	July 16	131.7
	Aug. 6	133.8
	Sep. 17	137.4
	Oct. 8	138.3
	Oct. 29	138.4
	Dec. 10	131.6

C-296-G-15	Jan. 9	173.6
424.7	Feb. 8	169.2
	Mar. 14	161.5
	Apr. 11	156.0
	May 14	150.4
	June 25	151.2
	Aug. 6	154.0
	Aug. 27	155.5
	Oct. 8	158.2
	Oct. 29	158.8
	Dec. 31	149.1

C-300-H-15	Jan. 23	152.1
407.2	Feb. 20	150.1
	Mar. 21	146.3
	Apr. 23	141.5
	May 23	137.4
	June 18	136.2
	July 16	136.2
	Aug. 6	137.0
	Sep. 3	138.0
	Oct. 1	139.2
	Nov. 5	139.9
	Dec. 10	137.1

C-309-H-15	Jan. 10	68.1
320.3	Jan. 31	66.8
	Feb. 29	65.8
	Mar. 13	64.0
	Apr. 24	62.4

1952

C-309-H-15	May 23	62.3
Cont.	June 5	62.1
	June 24	64.0
	July 17	65.4
	Aug. 7	65.5
	Sep. 18	67.4
	Oct. 9	67.3
	Nov. 20	60.6
	Dec. 11	58.3

C-312-H-15	Jan. 10	87.3
342.3	Feb. 8	84.1
	Mar. 13	81.9
	Apr. 11	78.0
	May 15	82.1
	June 24	84.3
	July 17	86.2
	Aug. 7	86.8
	Sep. 18	89.1
	Oct. 30	85.7
	Nov. 20	79.5
	Dec. 11	75.8

C-316-I-15	Jan. 10	22.9
309.2	Feb. 21	17.9
	Mar. 14	16.2
	Apr. 24	14.6
	May 15	17.3
	June 5	17.2
	July 17	25.9
	Aug. 28	25.8
	Sep. 18	24.3
	Oct. 9	22.2
	Nov. 20	18.0
	Dec. 11	16.8

C-320-F-16	Jan. 3	a	20.9
756.3	Feb. 7	a	10.4
	Mar. 24	a	8.6
	Apr. 17	a	12.8
	May 15	a	17.6
	June 19	a	24.8
	July 10	a	28.8

a Meas. from L.A. Co. F.C.D.

Meas. by S.G.V.P.A. from L.A. Co. F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
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		1952		
C-320-F-16 Cont.	Aug. 14	a	33.1	
	Sep. 11	a	35.5	
	Oct. 15	a	11.6	
	Nov. 6	a	9.0	
	Dec. 11	a	14.6	
C-322-F-16 695.1	Jan. 10		34.4	
	Feb. 1		13.8	
	Mar. 3		35.6	
	Apr. 10		15.0	
	May 2		27.7	
	June 2		40.4	
	July 10		57.8	
	Aug. 11		62.8	
	Sep. 9		66.9	
	Oct. 10		68.0	
	Nov. 10		39.6	
	Dec. 10		28.6	
C-323-F-16 693.3	Jan. 3	a	44.7	
	Jan. 30	a	9.6	
	Feb. 28	a	29.1	
	Apr. 4	a	13.9	
	May 8	a	31.4	
	June 5	a	48.0	
	July 10	a	64.2	
	Aug. 14	a	70.2	
	Sep. 11	a	72.9	
	Oct. 15	a	74.6	
	Nov. 12	a	54.4	
	Dec. 15	a	34.4	
C-328-F-16 671.4	Jan. 10		93.7	
	Jan. 31		35.0	
	Feb. 21		29.4	
	Apr. 3		30.0	
	Apr. 24		33.2	
	June 5		49.4	
	July 17		69.3	
	Aug. 7		75.1	
	Sep. 18		82.0	
	Oct. 9		84.1	
	Nov. 20		67.9	
	Dec. 30		45.0	

		1952		
C-334-F-16 631.1	Jan. 10		148.4	
	Feb. 1		135.1	
	Feb. 21		94.2	
	Mar. 31		51.4	
	May 2		34.2	
	June 3		37.0	
	July 10		44.8	
	Aug. 11		51.6	
	Sep. 10		57.9	
	Oct. 9		61.9	
	Nov. 10		65.5	
	Dec. 10		63.4	
C-335-G-16 538.2	Jan. 10		283.8	
	Feb. 8		278.2	
	Mar. 13		267.2	
	Apr. 3		263.1	
	May 2		254.1	
	June 5		254.2	
	July 17		255.6	
	Aug. 7		260.0	
	Sep. 18		265.5	
	Oct. 9		266.4	
	Nov. 20		261.5	
	Dec. 11		257.4	
C-337-G-16 657.0	Jan. 10		288.0	
	Mar. 13		281.0	
	May 15		279.8	
	June 24		279.5	
	July 17		281.0	
C-338-G-16 535.0	Jan. 31		258.0	
C-343-H-16 477.9	Jan. 2		201.0	
	Jan. 30		199.9	
	Feb. 27		197.8	
	Apr. 2		195.7	
	Apr. 30		193.6	
	June 4		198.2	
	July 2		200.7	
	Aug. 6		202.4	
Sep. 3		204.3		

a Meas. from L.A.Co.F.C.D.

Measts. by S.G.V.P.A. from L.A.Co.F.C.D. except as noted.

Well Number :	Dist.R.P.
and :	to water
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Date :	Feet

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1952	
C-343-H-16	Oct. 15 201.3
Cont.	Nov. 19 197.6
	Dec. 24 193.4
C-360-G-16	Jan. 2 207.1
462.4	Feb. 6 205.2
	Mar. 5 202.0
	Apr. 2 197.9
	May 7 190.9
	June 4 184.7
	July 2 185.4
	Aug. 6 187.3
	Sep. 10 189.8
	Oct. 8 194.5
	Nov. 12 191.1
	Dec. 17 184.5
C-362-G-15	Feb. 29 241.1
499.3	Mar. 21 235.4
	Apr. 11 221.9
	May 2 217.8
	June 5 219.7
	July 17 224.1
	Aug. 28 230.4
	Oct. 9 232.7
	Nov. 20 226.5
	Dec. 30 218.9
C-367-F-15	Jan. 9 301.0
548.9	Feb. 8 272.9
	Mar. 21 270.5
	Apr. 11 249.2
	May 2 254.3
	June 5 263.1
	July 17 270.7
	Aug. 27 277.1
	Sep. 17 279.7
	Oct. 29 280.5
	Nov. 20 259.6
	Dec. 10 256.4
C-376-G-11	Jan. 11 259.2
532.0	Feb. 1 259.3

1952	
C-376-G-11	Mar. 14 259.1
Cont.	Apr. 4 259.1
	May 16 259.1
	June 6 259.2
C-383c-I-13	May 5 a 16.7
219.4	
C-401-F-16	June 16 a 140.0
882.	Nov. 18 a 150.3
C-401c-F-16	Jan. 10 272.5
704.7	Jan. 31 272.5
	Mar. 13 272.4
	Apr. 3 276.2
	Apr. 24 272.1
	June 5 271.5
	June 24 271.2
	Aug. 7 271.0
	Aug. 28 264.3
	Sep. 18 264.4
	Oct. 30 263.8
	Dec. 11 263.0
C-404a-F-17	Feb. 13 a 39.5
1115.0	Mar. 11 a 51.2
	Oct. 22 a 133.6
	Nov. 21 a 124.0
	Dec. 22 a 124.2
C-405-F-17	Apr. 14 b 438.9
950.	Apr. 28 b 438.6
	July 1 b 432.8
	Aug. 1 b 431.8
	Sep. 1 b 433.3
	Oct. 1 b 432.0
	Nov. 1 b 430
	Dec. 1 b 424
C-426a-F-17	May 20 a 63.2
896.	Dec. 11 a 76.3

a Meas. from L.A. Co. F.C.D.

b Meas. from owner.

Measts. by S.G.V.P.A. from L.A. Co. F.C.D. except as noted.

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1952

C-432-G-17 Dec. 10 61
 739.9

C-444b-G-17 Feb. 5 206.2
 741.0 Mar. 26 205.4
 May 13 204.6
 July 3 203.2
 Aug. 13 202.2
 Sep. 17 201.3
 Oct. 22 200.5
 Nov. 12 199.6
 Dec. 23 198.8

C-446a-G-17 Feb. 5 94.1
 880.6 Feb. 27 91.3
 Mar. 26 89.4
 Apr. 30 86.5
 May 27 85.4
 June 25 85.8
 July 23 87.6
 Aug. 13 88.1
 Oct. 22 89.6
 Nov. 24 90.4
 Dec. 4 90.5

C-446c-G-17 Feb. 6 209.5
 869.7 Mar. 26 207.4
 May 13 207.4
 Nov. 24 214.4

C-446e-G-18 May 13 190.2
 934.4 Nov. 18 192.5

C-453-G-17 May 16 127.3
 531.1 Nov. 18 120.5

C-498-G-18 Apr. 21 221.0
 1046.1 Dec. 4 196.5

C-500-G-18 Apr. 21 152.1
 1029.0 Dec. 4 140.0

C-512b-G-18 May 13 79.6
 983 Dec. 11 84.2

1952

C-514-G-18 Jan. 3 137.6
 971.0 Feb. 6 117.8
 Mar. 5 107.4
 Apr. 2 98.5
 Apr. 30 89.8
 June 12 121.3
 July 2 125.4
 July 30 133.0
 Aug. 28 134.8
 Oct. 9 140.8
 Nov. 5 136.7
 Dec. 4 98.9

C-522-G-18 May 3 51.5
 930 Dec. 11 58.4

C-522a-G-17 Feb. 6 84.0
 906.6 July 30 82.8
 Aug. 6 85.7
 Nov. 24 82.3

C-595-G-19 May 20 154.3
 1134.3 Aug. 25 153.4
 Dec. 9 150.3

C-612a-G-18 May 13 174.6
 1018 Dec. 9 177.5

C-655q-F-19 May 5 22.2
 1530.9 Dec. 9 43.3

C-656h-F-20 May 5 14.8
 1831.0 Dec. 4 28.4

C-656i-F-20 Dec. 11 19.3
 * 2068.6

C-658-G-20 Jan. 9 a 228.1
 1482.0 Feb. 9 a 227.6
 Mar. 6 a 225.3
 Apr. 8 a 221.5
 May 6 a 217.1

* New elev., R.P. changed.

a Meas. from owner.

Measts. from L.A. Co. F.C.D. except as noted.

Well Number :	Dist. R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	Feet :

1952

C-659i-G-20	Jan. 3	281.6
1511.8	Feb. 5	278.8
	May 5	240.5
	Nov. 24	155.0
	Dec. 23	153.2

C-660c-G-19	Jan. 3	187.8
1319.4	Feb. 27	194.8
	Apr. 29	166.0
	June 24	182.7
	Dec. 23	158.0

C-664-G-20	May 13	341.0
1301.5	Dec. 9	358.0

C-666-G-19	May 13	227.0
1114.	Dec. 19	249.4

C-678k-H-19	May 20	117.9
807.8	Dec. 5	117.5

C-701c-I-17	Jan. 30	41.5
523.3	Apr. 29	26.4
	May 20	26.1
	July 2	31.3
	Aug. 12	35.3
	Sep. 30	37.6
	Oct. 6	38.0
	Nov. 6	36.5
	Dec. 4	33.8

C-703-H-18	May 20	123.7
774.	Dec. 5	119.3

C-705a-I-17	May 26	20.0
606.5	Dec. 5	26.6

C-707-I-17	May 26	13.4
455.	Dec. 5	13.7

C-708-I-15	May 16	47.8
374.	Dec. 10	49.4

Well Number :	Dist. R.P. :	
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R.P. Elev. :	surface, :	Feet :

1952

C-803g-I-12	Jan. 2	a	78.6
183.	Feb. 6	a	65.1
	Mar. 5	a	59.8
	Apr. 2	a	54.7
	May 21	a	53.0
	June 4	a	53.9
	July 2	a	56.4
	Aug. 13	a	62.0
	Sep. 17	a	68.6
	Oct. 15	a	72.4
	Nov. 12	a	66.4
	Dec. 17	a	59.6

C-804q-I-13	May 6		27.0
230.5	Dec. 5		28.0

C-812-I-11	Jan. 3	a	120.7
145.3	Jan. 24	a	122.6
	Mar. 6	a	120.3
	Apr. 17	a	117.6
	May 8	a	118.0
	May 29	a	120.9
	July 9	a	122.8
	July 31	a	126.3
	Sep. 11	a	129.3
	Oct. 23	a	130.3
	Dec. 23	a	124.8

C-825g-J-12	Apr. 28		74.2
134.5			

C-829j-J-11	Jan. 5	b	76.4
127.7	Feb. 2	b	77.0
	Mar. 1	b	77.1
	Apr. 6	b	77.7
	Apr. 29	b	79.5
	June 7	b	78.3
	June 28	b	78.9
	Aug. 3	b	79.5
	Sep. 17	b	80.7
	Oct. 4	b	81.7
	Nov. 1	b	81.7
	Dec. 1	b	82.6

a Meas. by S.G.V.P.A. from L.A.Co.F.C.D.

b Meas. by owner from L.A.Co.F.C.D.

Measts. from L.A.Co.F.C.D. except as noted.

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1952

1952

C-832-J-11	Jan. 4	a	127
154.5	Apr. 30	a	122
	Dec. 5	a	132

C-872-K-11	May 8		50.2
Cont.	May 29		52.5
	July 8		55.2
	July 31		57.3
	Sep. 11		56.8
	Oct. 23		54.6
	Nov. 13		53.5
	Dec. 23		51.2

C-853-K-13	Jan. 3		79.3
110.	Jan. 24		78.3
	Mar. 6		78.6
	Apr. 17		78.0
	May 8		80.2
	May 29		83.2
	July 8		86.4
	Sep. 11		90.6
	Oct. 23		88.1
	Dec. 4		85.7

C-872a-K-11	Jan. 7		41.7
87.0	Feb. 4		40.9
	Mar. 3		41.5
	Mar. 31		40.9
	Apr. 28		40.4
	May 26		47.0
	July 7		49.3
	July 28		51.4
	Aug. 25		50.7
	Oct. 20		48.4
	Nov. 24		45.6
	Dec. 22		44.8

C-853a-K-13	Jan. 3		95.1
124.2	Jan. 24		94.9
	Mar. 6		94.6
	Apr. 17		94.4
	May 29		95.8
	July 8		97.5
	Aug. 21		99.8
	Sep. 11		100.9
	Nov. 13		103.0
	Dec. 4		102.8

C-877d-L-11	Jan. 4		33.0
71.8	Jan. 25		31.2
	Mar. 8		30.5
	May 1		33.2
	May 30		39.8
	June 20		41.2
	Aug. 1		44.8
	Sep. 12		55.2
	Oct. 3		41.3
	Nov. 14		38.1
	Dec. 5		34.6

C-858-L-13	Jan. 31		48.8
76.2	Mar. 21		47.8
	Apr. 22		49.3
	May 27		58.9
	July 22		67.8
	Aug. 21		69.7
	Oct. 28		62.8
	Nov. 25		55.0
	Dec. 30		53.8

C-885c-L-11	Jan. 25		23.8
58.0	Feb. 15		23.8
	Mar. 8		23.3
	Apr. 18		24.3
	May 9		28.8
	June 20		36.0
	July 9		35.6
	Aug. 22		36.7
	Sep. 12		38.4
	Oct. 24		33.7
	Nov. 14		31.7
	Dec. 5		28.4

C-861-L-12	Jan. 3		48.0
85.3	Jan. 24		46.3
	Feb. 14		46.0
	Mar. 6		44.2
	Apr. 17		47.3
	May 8		51.3

C-872-K-11	Jan. 3		48.9
95.9	Jan. 24		47.9
	Mar. 6		47.8
	Mar. 27		48.2

a Meas. from L.A. Co. F.C.D.

Measts. by S.G.V.P.A. from L.A. Co. F.C.D. except as noted.

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1952			
C-886a-L-11	Jan. 4	a	53.1
71.0	Jan. 26	a	52.4
	Mar. 8	a	54.2
	Mar. 28	a	54.3
	May 1	a	55.0
	May 30	a	65.5
	July 9	a	73.2
	Aug. 1	a	77.7
	Aug. 28	a	78.2
	Oct. 3	a	73.0
	Oct. 24	a	69.8
	Dec. 5	a	61.2
C-891-L-13	Jan. 3	b	41.1
58.3	Jan. 24	b	38.9
	Mar. 6	b	39.7
	Mar. 27	b	37.6
	May 1	b	40.3
	May 29	b	57.9
	July 8	b	67.7
	July 31	b	73.6
	Sep. 11	b	73.1
	Oct. 2	b	67.3
	Nov. 13	b	56.3
	Dec. 4	b	46.9
C-894-L-13	Jan. 31		46.0
61.7	Feb. 26		46.3
	Mar. 21		44.5
	Apr. 22		45.4
	May 27		59.0
	June 20		66.3
	July 22		68.4
	Aug. 21		72.4
	Sep. 26		71.8
	Oct. 28		66.3
	Nov. 25		56.8
	Dec. 30		51.1
C-896e-M-13	Jan. 31		39.0
53.6	Feb. 26		38.1
	Mar. 21		36.8
	Apr. 22		37.8

1952			
C-896e-M-13	May 27		53.1
Cont.	June 20		62.5
	July 22		66.5
	Aug. 21		72.5
	Sep. 26		71.6
	Oct. 28		60.6
	Nov. 25		51.9
	Dec. 30		43.4
C-897k-M-13	Jan. 31		33.2
45.2	Feb. 26		33.0
	Mar. 21		31.8
	Apr. 22		33.2
	May 27		52.6
	June 20		64.9
	July 22		67.1
	Aug. 21		72.6
	Sep. 26		71.9
	Oct. 28		60.8
	Nov. 25		49.4
	Dec. 30		38.0
C-900-M-13	Jan. 12	b	45.4
35.3	Feb. 11	b	40.7
	Mar. 3	b	42.0
	Apr. 14	b	37.9
	May 5	b	41.7
	May 26	b	59.5
	July 7	b	71.1
	July 28	b	81.4
	Sep. 8	b	80.3
	Sep. 29	b	77.2
	Nov. 10	b	60.3
	Dec. 1	b	48.7
C-908b-M-12	Jan. 4	b	65.3
46.2	Feb. 15	b	64.2
	Mar. 8	b	64.0
	Apr. 18	b	59.5
	May 5	b	63.6
	June 20	b	76.3
	July 9	b	80.2
	Aug. 1	b	85.2

a Meas. from L.A. Co. F.C.D.
 b Meas. by S.G.V.P.A. from L.A. Co. F.C.D.
 Measts. from O. Co. F.C.D. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1952

1952

C-908b-M-12	Sep. 12	a	85.1
Cont.	Oct. 3	a	79.1
	Nov. 14	a	72.8
	Dec. 26	a	68.6

C-911-0-13	Apr. 16	c	17.5
Cont.	May 23	c	21.8
	June 13	c	26.4
	July 11	c	31.0
	Aug. 8	c	34.0
	Sep. 19	c	34.2
	Oct. 10	c	31.1
	Nov. 21	c	24.1
	Dec. 12	c	22.6

C-908e-M-12	May 5	b	33.2
32.5	Dec. 16	b	41.4

C-909-N-13	Jan. 30		33.4
*	Feb. 26		32.4
	Mar. 25		27.7
	Apr. 29		29.3
	May 29		47.8
	June 24		51.7
	July 24		65.3
	Aug. 26		64.8
	Sep. 30		61.9
	Nov. 28		40.6
	Dec. 30		33.8

C-911b-N-13	Jan. 30		45.7
13.8	Feb. 27		44.8
	Mar. 25		43.4
	Apr. 29		39.0
	May 29		40.8
	June 24		43.8
	July 24		50.7
	Aug. 26		55.1
	Sep. 30		57.3
	Oct. 30		54.3
	Nov. 28		48.8
	Dec. 30		42.8

C-910b-0-13	May 14	b	16.1
8.1	Sep. 19	c	27.8
	Oct. 6	c	26.4
	Nov. 21	c	21.1
	Dec. 16	c	18.5

C-911f-0-12	Feb. 4		32.6
9.0	Mar. 3		31.4
	Apr. 7		30.0
	May 5		28.5
	June 9		28.2
	June 30		29.1
	July 28		30.3
	Aug. 25		32.2
	Sep. 29		33.8
	Oct. 27		34.1
	Dec. 15		32.5

C-910j-0-12	Feb. 1	b	27.6
17.8	Mar. 7	b	27.7
	Apr. 16	b	24.2
	May 2	b	23.4
	June 13	b	28.2
	July 11	b	30.4
	Aug. 8	b	33.0
	Oct. 10	b	33.1
	Nov. 21	b	28.8
	Dec. 12	b	26.8

C-912b-0-13	Jan. 7		45.0
32.0	Feb. 4		42.0
	Mar. 3		44.5
	Mar. 31		38.0
	Apr. 28		37.0

C-911-0-13	Feb. 1	c	21.4
11.8	Feb. 20	c	20.6
	Mar. 28	c	17.9

* Correction to all previous bulletins: R.P. elev. 24.5 through May 19, 1936; then 25.5 by levels from O. Co. F.C.D.

a Meas. by S.G.V.P.A. from L.A. Co. F.C.D.

b Meas. from L.A. Co. F.C.D.

c Meas. by L.B.W.D. from L.A. Co. F.C.D.

Measts. from O. Co. F.C.D. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1952

1952

C-912b-0-13	June 2		49.1
Cont.	June 30		55.2
	July 28		63.0
	Sep. 8		62.4
	Oct. 6		56.6
	Nov. 3		50.5
	Dec. 1		43.8

C-927c-N-14	Feb. 8		55.1
48.3	Mar. 11		55.8
	Apr. 3		54.9
	May 8		60.6
	June 10		75.0
	Aug. 7		89.4
	Sep. 11		85.4
	Oct. 7		76.6
	Nov. 6		68.0
	Dec. 4		55.5

C-913c-N-11	Jan. 8	a	39.3
37.5	Feb. 4	a	39.2
	Mar. 4	a	39.1
	Apr. 2	a	39.0
	May 14	a	38.9
	June 4	a	38.9
	July 2	a	38.8
	Aug. 25	a	38.8
	Sep. 29	a	38.8
	Dec. 15	a	38.8

C-929f-L-11	Jan. 7	b	98.7
53.4	Feb. 4	b	90.7
	Mar. 3	b	89.1
	Apr. 7	b	87.7
	May 5	b	84.1
	June 9	b	92.8
	July 14	b	108.9
	Aug. 11	b	116.0
	Sep. 8	b	119.8
	Oct. 13	b	114.7
	Nov. 17	b	101.4

C-914b-N-12	Jan. 30		51.4
31.4	Feb. 27		49.7
	Mar. 25		47.0
	Apr. 29		45.5
	May 29		50.2
	June 24		53.5
	July 24		60.0
	Aug. 26		60.6
	Sep. 30		59.8
	Oct. 30		56.1
	Nov. 28		53.0
	Dec. 30		50.2

C-942a-K-14	Jan. 3	b	108.5
144.0	Jan. 24	b	101.5
	Mar. 6	b	103.0
	Mar. 27	b	100.3
	Apr. 17	b	99.4
	May 8	b	101.1
	May 29	b	103.6
	July 18	b	111.2
	Oct. 2	b	113.1
	Dec. 4	b	105.2

C-926-M-11	Jan. 7	b	126.9
68.9	Feb. 4	b	121.6
	Mar. 3	b	124.6
	Apr. 7	b	121.1
	Apr. 21	b	118.1
	June 2	b	120.7
	July 7	b	130.0
	Aug. 4	b	138.6
	Sep. 1	b	142.5
	Oct. 6	b	142.9
	Nov. 3	b	140.3
	Dec. 8	b	125.3

C-950a-M-14	Jan. 31		72.8
70.0	Feb. 26		74.1
	Mar. 21		70.8
	Apr. 22		74.2
	Aug. 21		115.0
	Sep. 26		113.0
	Oct. 28		96.5
	Nov. 25		80.7
	Dec. 30		73.3

a Meas. from L.A. Co. F.C.D.

b Meas. by S.G.V.P.A. from L.A. Co. F.C.D.

Measts. from O. Co. F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1952

1952

C-950e-M-13 Jan. 31 a 37.8
 48.0 Feb. 26 a 37.1
 Mar. 21 a 35.7
 Apr. 22 a 39.1
 May 27 a 59.7
 June 20 a 69.3
 July 22 a 76.9
 Aug. 21 a 80.4
 Sep. 26 a 79.2
 Oct. 28 a 69.7
 Nov. 25 a 51.4
 Dec. 30 a 43.8

C-962-I-11 May 1 204
 Cont. June 1 222
 Aug. 31 227
 Oct. 31 226
 Dec. 31 215

C-950n-M-14 Jan. 10 a 70.6
 63.7 Feb. 8 a 67.1
 Mar. 11 a 67.6
 Apr. 3 a 65.6
 May 8 a 73.4
 June 10 a 94.1
 July 3 a 99.2
 Aug. 7 a 109.6
 Oct. 7 a 104.4
 Nov. 6 a 86.5
 Dec. 4 a 74.1

C-963-I-11 Jan. 2 240
 228.3 Mar. 3 243
 May 1 243
 June 1 250
 Aug. 31 257
 Oct. 31 255
 Dec. 31 249

C-965-I-11 Feb. 29 136
 159.5 Mar. 3 136
 May 1 136
 June 1 145
 Aug. 31 146
 Oct. 31 145
 Dec. 31 140

C-957-H-11 Jan. 2 87
 303.0 Mar. 3 87
 May 1 87
 June 1 87
 Aug. 31 86
 Oct. 31 86
 Dec. 31 85

C-966-I-11 Jan. 2 141
 145.5 Mar. 3 145
 May 1 142
 June 1 151
 Dec. 31 148

C-968-K-15 Feb. 21 a 60.4
 350.9 May 15 a 59.5
 Aug. 7 a 56.7
 Nov. 12 a 56.0

C-961-I-11 Jan. 2 218
 197.0 Mar. 3 228
 May 1 222
 June 1 236
 Aug. 31 244
 Oct. 31 240
 Dec. 31 228

C-969a-K-16 Feb. 21 a 109.8
 386.9 May 15 a 106.0
 Aug. 7 a 110.6

C-974m-L-16 Jan. 8 a 181.2
 176.2 Feb. 7 a 178.2
 Mar. 6 a 175.8
 Apr. 4 a 172.4
 May 6 a 169.5
 June 6 a 172.0

C-962-I-11 Jan. 2 206
 196.0 Mar. 3 205

a Meas. from O. Co. F.C.D.

Measts. by owner from L.A. Co. F.C.D. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1952

1952

C-974m-L-16	July 3	174.0
Cont.	Aug. 7	178.4
	Sep. 11	180.4
	Oct. 6	179.0
	Nov. 5	177.7
	Dec. 5	173.8

C-976c-M-15	Jan. 1	a	165
152.9	Feb. 1	a	165
	Mar. 1	a	162
	Apr. 1	a	160
	May 1	a	155
	June 1	a	159
	July 1	a	160
	Aug. 1	a	172
	Sep. 1	a	172
	Oct. 1	a	170
	Nov. 1	a	169
	Dec. 1	a	160

C-974n-M-16	Jan. 8	199.0
197.8	Feb. 7	195.1
	Mar. 4	191.3
	Apr. 1	186.6
	May 1	181.4
	June 5	186.6
	July 3	182.6
	Aug. 1	188.5
	Sep. 4	192.1
	Oct. 2	188.9
	Nov. 6	189.2
	Dec. 4	186.9

C-977b-M-16	Jan. 8	170.3
167.9	Feb. 7	164.8
	Mar. 6	163.5
	Apr. 4	157.6
	May 6	161.0
	June 6	164.3
	July 3	170.1
	Aug. 6	171.4
	Sep. 11	182.6
	Oct. 6	179.4
	Nov. 5	169.3
	Dec. 5	173.0

C-975-L-16	Jan. 8	144.0
155.6	Feb. 7	143.6
	Mar. 6	144.8
	Apr. 4	144.1
	May 6	144.1
	June 6	144.4
	July 3	144.5
	Aug. 7	144.5
	Sep. 11	145.5
	Oct. 6	144.6
	Nov. 5	147.0
	Dec. 5	144.8

C-978-M-16	Jan. 3	182.9
173.8	Feb. 1	170.3
	Mar. 6	172.9
	Apr. 3	171.4
	May 2	170.0
	Oct. 2	179.2
	Nov. 3	180.7
	Dec. 2	179.6

C-975k-L-16	Jan. 8	123.9
*	Feb. 7	123.0
	Mar. 6	122.8
	Apr. 4	122.5
	May 6	121.6
	June 6	123.4
	July 3	124.1
	Aug. 7	125.9
	Sep. 11	127.2
	Oct. 6	129.5
	Nov. 6	126.0
	Dec. 5	125.0

C-978a-M-16	Jan. 7	153.8
149.8	Feb. 4	151.0
	Mar. 3	151.4
	Apr. 7	146.4
	May 5	145.1
	June 2	153.8
	June 30	157.2
	Aug. 11	161.5
	Sep. 8	161.9
	Oct. 14	160.6

* R.P. elev. 130.2 through Sept. 11, 1952; then 129.4
 a Meas. by owner from O. Co. F.C.D.
 Measts. from O. Co. F.C.D. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1952

1952

C-978a-M-16	Nov. 17	152.2
Cont.	Dec. 1	149.7
	Dec. 29	146.9

C-984b-N-14	Mar. 26	52.0
Cont.	Apr. 30	52.4
	May 28	62.6
	July 2	65.2
	Aug. 6	69.7
	Sep. 3	72.4
	Oct. 1	69.9
	Nov. 5	63.6
	Dec. 3	56.4

C-980-L-15	Jan. 31	108.7
113.3	Feb. 26	107.7
	Mar. 21	107.0
	Apr. 22	106.0
	May 27	109.6
	June 20	114.7
	July 22	115.2
	Sep. 26	118.4
	Oct. 28	115.2
	Nov. 25	111.1
	Dec. 30	109.1

C-985-N-14	Jan. 10	51.9
60.6	Feb. 8	49.9
	Mar. 11	50.0
	Apr. 3	49.2
	May 7	50.7
	June 10	59.0
	July 3	59.4
	Aug. 7	63.6
	Nov. 6	58.4
	Dec. 4	52.4

C-9821-M-14	Jan. 10	58.0
91.7	Feb. 8	57.2
	Mar. 11	56.7
	May 8	56.6
	July 3	58.3
	Aug. 7	59.8
	Sep. 11	60.0
	Oct. 7	60.3
	Nov. 6	59.7
	Dec. 4	57.9

C-986e-N-15	Jan. 10	117.2
112.1	Feb. 14	115.5
	Mar. 13	114.8
	Apr. 8	114.0
	May 9	113.6
	June 12	116.9
	July 8	118.5
	Aug. 12	120.8
	Sep. 12	126.7
	Oct. 9	122.2
	Nov. 7	121.2
	Dec. 5	118.7

C-983e-M-15	Jan. 8	109.7
108.0	Feb. 7	106.6
	Mar. 6	108.3
	Apr. 4	105.8
	May 6	105.7
	June 6	113.3
	July 3	116.1
	Aug. 7	116.3
	Sep. 11	119.1
	Oct. 6	116.1
	Nov. 5	115.5
	Dec. 5	109.0

C-991e-O-13	Jan. 2	31.4
17.4	Feb. 6	31.1
	Mar. 5	34.1
	Apr. 2	25.7
	May 7	26.6
	June 4	34.9
	July 2	38.3
	Aug. 6	43.7
	Sep. 2	43.6

C-984b-N-14	Jan. 2	55.7
64.7	Jan. 30	53.8
	Feb. 27	54.0

Measts. from O. Co. F.C.D.

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1952		
C-991e-0-13	Oct. 1	41.9
Cont.	Nov. 5	35.7
	Dec. 3	29.6
C-992b-P-14	Mar. 14	32.4
22.2	Apr. 10	28.2
	May 13	30.4
	June 12	35.3
	July 10	38.8
	Aug. 12	41.5
	Sep. 12	42.1
	Oct. 10	39.0
	Nov. 13	35.7
	Dec. 9	31.1
C-992e-P-13	Jan. 7	30.6
15.4	Feb. 4	28.1
	Mar. 3	33.2
	Mar. 31	22.2
	May 5	22.4
	June 2	28.8
	June 30	31.9
	July 28	37.5
	Sep. 8	37.4
	Oct. 6	34.9
	Nov. 3	30.9
	Dec. 1	26.1
C-993-P-14	Jan. 11	43.5
27.9	Feb. 15	43.7
	Mar. 14	40.3
	Apr. 11	35.0
	May 13	37.7
	July 10	46.4
	Aug. 12	49.2
	Sep. 12	49.6
	Oct. 10	47.0
	Nov. 13	42.0
	Dec. 9	38.8
C-997-P-14	Jan. 11	72.4
56.1	Feb. 15	63.6
	Mar. 14	55.2

1952		
C-997-P-14	Apr. 10	63.8
Cont.	May 13	64.0
	June 12	64.8
	July 10	63.7
	Aug. 12	65.0
	Sep. 12	65.8
	Oct. 10	65.6
	Nov. 13	66.1
	Dec. 9	66.0
C-999f-P-14	Jan. 11	62.0
49.1	Feb. 15	61.2
	Mar. 14	61.7
	Apr. 11	57.6
	May 13	57.9
	June 12	60.8
	July 10	63.0
	Aug. 12	65.2
	Sep. 12	68.2
	Oct. 10	65.2
	Nov. 13	62.2
	Dec. 9	59.0
C-1056-M-16	Jan. 3	205.5
201.2	Mar. 6	181.3
	Apr. 3	169.0
	Nov. 3	196.0
C-1058-M-17	Jan. 7 a	213
203.8	Feb. 4 a	138.6
	Mar. 1 a	181.2
	Apr. 5 a	153.5
	May 5 a	170.2
	Aug. 11 a	214
	Oct. 13 a	204.0
	Nov. 3 a	196.9
	Dec. 1 a	197.2
C-1065-M-16	Jan. 3	203.1
202.0	Feb. 1	198.7
	Mar. 6	191.8
	Apr. 3	185.8
	May 2	182.4

a Meas. from Santa Ana Valley Irrigation Co.
 Measts. from O. Co. F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1952

1952

C-1065-M-16 June 6 182.9
 Cont. July 1 184.8
 Aug. 5 188.1
 Sep. 2 190.5
 Oct. 2 192.1
 Nov. 3 192.0
 Dec. 2 189.8

C-1073-M-17 Jan. 3 217.1
 215.9 Feb. 1 213.3
 Apr. 3 195.8
 May 2 178.1
 Dec. 2 199.2

C-1078d-M-17 Jan. 3 207.5
 238.6 Feb. 1 173.7
 Mar. 6 150.9
 Apr. 3 133.5
 May 2 128.5
 Aug. 5 181.5
 Nov. 3 200.3
 Dec. 2 198.9

C-1079a-M-17 Jan. 3 194.2
 248.3 Feb. 1 138.7
 Mar. 6 118.4
 Apr. 3 103.3
 May 2 100.2
 July 1 139.0
 Nov. 3 171.9
 Dec. 2 166.5

C-1082-L-18 Jan. 2 54.8
 * Jan. 30 39.3
 Mar. 5 26.1
 Apr. 2 20.2
 May 7 17.0
 June 4 20.8
 July 2 27.8
 July 30 33.6
 Aug. 27 40.0
 Sep. 24 45.2
 Oct. 29 49.7
 Nov. 17 51.7
 Dec. 31 42.2

C-1085-L-17 Feb. 1 209.3
 245.0 Mar. 6 207.0
 Apr. 3 167.2
 May 2 152.8
 June 6 144.0
 July 1 147.5
 Aug. 5 156.2
 Sep. 2 164.2
 Oct. 2 182.7
 Nov. 3 186.1
 Dec. 12 185.2

C-1089-L-16 Apr. 3 205.2
 228.8 May 2 201.2
 June 6 204.0
 July 1 201.1
 Aug. 5 208.7
 Sep. 2 213.0
 Oct. 2 210.6
 Nov. 3 209.9
 Dec. 2 210.1

C-1097-L-17 Feb. 21 188.5
 336.2 Nov. 12 190.2

C-1105a-N-17 Jan. 24 252.7
 246.2 Feb. 26 246.8
 Mar. 20 244.6
 Apr. 18 240.1
 May 20 237.5
 June 19 240.0
 July 18 241.4
 Aug. 19 243.4
 Sep. 23 245.4
 Oct. 21 244.6
 Nov. 18 243.2
 Dec. 23 240.8

C-1105b-M-17 Jan. 24 285.0
 273.5 Feb. 26 279.1
 Mar. 20 276.3
 Apr. 18 271.8
 May 20 268.3
 July 18 270.3

* R.P. elev. 260.5 through June 11, 1952; then 260.8
 Measts. from O. Co. F.C.D.

Well Number	Date	Dist.R.P.	to water	surface,	Feet

Well Number	Date	Dist.R.P.	to water	surface,	Feet

1952

1952

C-1105b-M-17	Aug. 19	272.1
Cont.	Sep. 23	273.8
	Oct. 21	273.6
	Nov. 18	272.5
	Dec. 23	270.4

C-1121b-N-17	Mar. 20	172.4
Cont.	Apr. 18	167.9
	June 19	174.3
	July 18	175.5
	Aug. 19	178.0
	Sep. 23	179.5
	Oct. 21	177.7
	Nov. 18	174.0
	Dec. 23	171.3

C-1109g-N-18	Jan. 30	345.5
332.4	Feb. 26	338.5
	Mar. 20	334.7
	Apr. 18	331.0
	July 18	331.6
	Nov. 18	340.9
	Dec. 23	336.4

C-1122b-N-16	Jan. 3	160.0
163.1	Feb. 1	159.8
	Mar. 6	159.3
	Apr. 3	158.4
	May 2	157.2
	June 6	156.0
	July 1	155.2
	Aug. 5	154.8
	Sep. 2	155.1
	Oct. 2	155.8
	Nov. 3	157.2
	Dec. 5	156.1

C-1109i-N-18	Mar. 20	40.4
410.2	June 19	47.5
	Oct. 21	62.0

C-1112-N-18	Jan. 7	a 305.0
290.4	Feb. 4	a 300.0
	Mar. 1	a 300.0
	Apr. 5	a 298.0
	May 5	a 292.0
	Sep. 6	a 300.0
	Oct. 6	a 304.0
	Nov. 3	a 300.0
	Dec. 1	a 298.0

C-1123b-N-16	Jan. 7	146.0
145.0	Feb. 4	143.6
	Mar. 3	142.1
	Mar. 31	139.5
	May 5	137.1
	June 16	140.6
	July 14	142.1
	Aug. 25	144.6
	Sep. 29	145.8
	Oct. 27	144.6
	Dec. 1	141.1

C-1120-N-16	Jan. 2	156.0
153.5	Jan. 30	154.2
	Mar. 5	152.4
	Apr. 2	150.0
	May 14	147.7
	June 4	148.8
	July 2	149.8
	July 30	152.1
	Sep. 17	153.6
	Oct. 8	152.4
	Nov. 5	151.6
	Dec. 3	149.9

C-1126b-M-16	Jan. 7	175.7
175.3	Feb. 4	173.2
	Mar. 3	171.1
	Mar. 31	168.1
	May 5	165.2
	June 2	168.0
	June 30	169.8
	July 28	172.2

a Meas. from Santa Ana Valley Irrigation Co.
 Measts. from O. Co. F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 Feet

1952

1952

C-1126b-M-16 Sep. 8 174.2
 Cont. Sep. 29 174.2
 Oct. 27 172.2
 Dec. 1 168.2

C-1131-N-17 May 20 152.5
 Cont. June 19 152.9
 July 18 157.0
 Aug. 19 159.9
 Sep. 23 161.4
 Oct. 21 160.7
 Nov. 18 159.6
 Dec. 23 156.0

C-1128a-N-16 Jan. 10 146.8
 140.1 Feb. 14 145.4
 Mar. 13 144.1
 Apr. 8 143.0
 May 9 142.8
 July 8 144.7
 Aug. 12 146.2
 Sep. 12 147.9
 Oct. 9 147.6
 Nov. 7 147.4
 Dec. 5 145.2

C-1140e-N-16 Jan. 10 127.0
 119.0 Feb. 14 125.1
 Mar. 13 124.0
 Apr. 8 124.0
 May 9 122.6
 Sep. 12 132.2
 Dec. 5 127.0

C-1129m-N-16 Jan. 10 141.9
 136.1 Feb. 14 139.4
 Mar. 13 138.4
 Apr. 8 136.1
 May 9 135.4
 June 12 141.4
 Sep. 12 149.2
 Oct. 9 147.0
 Nov. 7 144.7
 Dec. 5 138.8

C-1150b-N-17 Jan. 7 a 219
 206.3 Feb. 4 a 218
 Mar. 1 a 216
 Apr. 5 a 206
 May 5 a 205
 July 7 a 219
 Sep. 1 a 214
 Oct. 20 a 210.0
 Nov. 3 a 215.0
 Dec. 11 a 209.0

C-1130a-N-15 Jan. 10 113.3
 107.4 Feb. 4 111.6
 Mar. 13 110.9
 Apr. 8 109.9
 May 9 109.1
 June 12 112.2
 Sep. 12 120.7
 Oct. 9 119.4
 Nov. 7 117.9
 Dec. 5 114.8

C-1153b-0-15 Jan. 10 98.6
 93.6 Feb. 14 96.8
 Mar. 13 96.5
 Apr. 8 95.5
 May 9 95.5
 June 12 100.1
 Aug. 12 102.2
 Sep. 12 105.2
 Oct. 9 103.4
 Nov. 7 103.2
 Dec. 5 99.8

C-1131-N-17 Jan. 24 161.1
 160.2 Feb. 26 157.7
 Mar. 20 157.9
 Apr. 18 156.0

C-1157a-N-15 Jan. 7 91.8
 85.0 Feb. 4 90.4
 Mar. 3 90.0

a Meas. from Santa Ana Valley Irrigation Co.
 Measts. from O. Co. F.C.D. except as noted.

Well Number	Date	Dist.R.P.	to water	surface,	Feet
and					
R.P. Elev.					

Well Number	Date	Dist.R.P.	to water	surface,	Feet
and					
R.P. Elev.					

1952

1952

C-1157a-N-15	Mar. 31	88.8
Cont.	Apr. 28	88.0
	June 2	90.6
	June 30	92.7
	July 28	94.8
	Sep. 15	98.5
	Oct. 6	97.0
	Nov. 3	95.7
	Dec. 1	93.6

C-1180-P-17	Nov. 13	56.8
Cont.	Dec. 11	53.2

C-1195b-C-18	Jan. 2	195.7
180.2	Feb. 6	190.8
	Mar. 5	188.5
	Apr. 2	185.2
	May 7	182.1
	May 21	180.9
	June 4	183.2
	July 2	186.6
	July 31	193.2
	Aug. 27	196.4
	Oct. 8	199.0
	Nov. 5	195.4
	Dec. 3	189.4

C-1162-0-16	Jan. 10	96.2
96.6	Feb. 14	95.3
	Mar. 13	94.8
	Apr. 8	94.0
	May 9	93.5
	June 12	95.6
	July 8	96.8
	Aug. 12	98.6
	Sep. 12	100.2
	Oct. 9	99.8
	Nov. 7	99.4
	Dec. 5	97.7

C-1197-0-17	Jan. 24	131.9
151.6	Feb. 26	130.0
	Mar. 20	128.8
	Apr. 18	127.3
	June 19	127.7
	July 18	127.8
	Sep. 23	129.6
	Oct. 21	129.7
	Nov. 18	129.5
	Dec. 23	127.4

C-1168-0-15	Feb. 14	80.4
75.5	Mar. 13	80.9
	Apr. 8	79.6
	May 9	80.2
	June 12	83.4
	July 8	86.7
	Aug. 12	87.4
	Nov. 7	87.7
	Dec. 5	84.5

C-1206b-P-17	Jan. 15	97.6
86.8	Feb. 19	95.7
	Mar. 14	92.9
	Apr. 17	88.1
	May 15	88.5
	Aug. 14	107.8
	Sep. 16	108.6
	Oct. 16	107.2
	Nov. 13	99.7
	Dec. 11	90.6

C-1180-P-17	Jan. 15	56.9
38.3	Feb. 19	53.0
	Mar. 14	56.2
	Apr. 17	47.0
	May 15	49.0
	June 17	55.4
	July 15	75.8
	Aug. 14	63.7
	Sep. 16	63.0
	Oct. 16	58.4

C-1208b-P-18	Feb. 27	a	83.5
86.8	July 1	a	89.8
	Nov. 3	a	94.0

a Meas. from owner.

Measts. from O. Co. F.C.D. except as noted.

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	Feet :
	Date :	

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	Feet :
	Date :	

1952

C-1211a-P-18 105.9	Jan. 22		108.4
	Feb. 21		99.6
	Mar. 18		96.4
	Apr. 15	a	93.9
	May 16	a	102.1
	June 19	a	130.8
	July 17	a	142.0
	Aug. 15	a	142.8
	Sep. 18		155.4
	Oct. 20		132.4
	Nov. 13		124.2
	Dec. 16		102.1

C-1211c-P-18 156.5	Feb. 27	b	151.7

C-1211k-P-18 *	Jan. 22		82.4
	Feb. 21		73.1
	Mar. 18		67.7
	Apr. 15		65.9
	May 16		70.0
	Aug. 15		102.0
	Sep. 18		96.0
	Oct. 20		88.6
	Nov. 13		83.8
	Dec. 16		73.8

C-1216b-P-19 220.2	Jan. 22		209.2
	Feb. 21		203.9
	Mar. 18		200.8
	Apr. 15		197.8
	May 16		197.8
	June 19		213.0
	Aug. 15		227.8
	Oct. 20		221.5

C-1217a-Q-19 283.4	Jan. 22		272.7
	Feb. 21		264.4
	Mar. 18		265.4
	Apr. 15		264.3
	May 16		260.1
	June 19		271.9

1952

C-1217a-Q-19 Cont.	July 17		278.6
	Aug. 15		274.5
	Sep. 18		273.0
	Oct. 20		275.1
	Nov. 13		268.3
	Dec. 16		263.2

C-1220a-Q-18 155.0	Jan. 22		106.3
	Feb. 21		104.5
	Mar. 18		103.5
	Apr. 15		102.2
	May 16		101.3
	June 19		102.8
	July 17		103.7
	Aug. 15		104.6
	Sep. 18		105.8
	Oct. 20		105.3
Nov. 13		104.8	
Dec. 16		102.7	

C-1220t-Q-19 178.2	Feb. 27	b	173.2

C-1222n-P-18 99.4	Feb. 28	b	98.7
	Nov. 4	b	145.0
	Dec. 16		102.3

C-1224-Q-18 96.0	Jan. 22		80.8
	Feb. 21		73.9
	Mar. 18		71.1
	Apr. 15		68.4
	May 16		69.8
	June 19		82.9
	July 17		84.8
	Aug. 15		87.7
	Sep. 18		96.3
	Oct. 20		87.5
	Nov. 13		86.4
	Dec. 16		74.6

C-1225-Q-18 101.0	Jan. 22		17.2
	Feb. 21		17.3

* R.P. elev. 77.7 through Aug. 15, 1952; then 77.2

a Pumping nearby.

b Meas. from owner.

Measts. from O. Co. F.C.D. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1952

1952

C-1225-Q-18	Mar. 18		11.6
Cont.	Apr. 15		9.0
	May 16		9.4
	June 19		10.4
	July 17		11.2
	Aug. 15		12.1
	Sep. 18		13.0
	Oct. 20		13.4
	Nov. 13		13.6
	Dec. 16		12.6

C-1243-Q-16	Jan. 15		30.0
	Feb. 19	40.1	30.9
	Mar. 14		29.7
	Apr. 17		30.3
	May 15		32.0
	June 17		30.9
	July 15		36.4
	Aug. 14		31.0
	Sep. 16		31.8
	Oct. 16		30.8
	Nov. 13		30.7
	Dec. 11		30.7

C-1227c-P-18	Feb. 28	a	77.1
69.7	Nov. 18	a	122.6

C-1249-Q-16	Jan. 15		61.9
	Feb. 19	40.2	58.8
	Mar. 14		63.0
	Apr. 17		54.9
	May 15		57.5
	June 17		60.7
	Aug. 14		68.6
	Sep. 16		69.6
	Oct. 16		63.4
	Nov. 13		62.2

C-1227f-Q-17	Mar. 3	a	58.2
45.0	Nov. 5	a	64.9

C-1250-P-15	Jan. 7		48.2
	Feb. 4	38.9	46.8
	Mar. 3		52.0
	Mar. 31		46.0
	May 5		44.7
	June 2		45.9
	June 23		47.4
	Aug. 18		52.5
	Sep. 8		53.5
	Oct. 6		51.7
	Nov. 3		49.1
	Dec. 1		47.0

C-1230-P-17	Jan. 15		33.3
54.2	Feb. 19		29.2
	Mar. 14		28.0
	Apr. 17		26.6
	May 15		29.7
	June 17		29.6
	July 15		32.1
	Aug. 14		33.3
	Sep. 16		33.6
	Oct. 16		33.4
	Nov. 13		33.5
	Dec. 11		33.3

C-1231b-P-17	Jan. 15		59.3
39.9	Feb. 19		55.9
	Mar. 14		57.3
	Apr. 17		49.2
	May 15		55.2
	June 17		61.1
	Aug. 14		69.0
	Sep. 16		65.5
	Oct. 16		64.0
	Nov. 13		59.8
	Dec. 11		59.2

C-1255-P-15	Jan. 11		36.6
	Feb. 15	27.4	35.8
	Mar. 14		35.8
	Apr. 11		33.0
	May 13		35.2
	June 12		39.5

a Meas. from owner.
 Measts. from O. Co. F.C.D. except as noted.

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1952

C-1255-P-15	July 10	44.3
Cont.	Aug. 12	43.7
	Sep. 12	46.5
	Oct. 10	43.3
	Nov. 13	39.8
	Dec. 9	35.3

C-1257-Q-15	Jan. 11	26.5
14.0	Feb. 15	25.8
	Mar. 14	26.7
	Apr. 11	22.8
	May 13	22.7
	June 12	27.0
	July 10	29.5
	Aug. 12	30.5
	Sep. 12	32.2
	Oct. 10	27.8
	Nov. 13	27.4
	Dec. 9	24.1

C-1263-Q-14	Jan. 2	9.2
4.9	Jan. 30	3.7
	Mar. 5	4.8
	Mar. 19	2.6
	Apr. 2	3.9
	Apr. 30	4.7
	June 4	5.7
	July 2	6.2
	Aug. 6	7.6
	Sep. 3	8.7
	Oct. 1	9.2
	Nov. 5	9.2
	Dec. 3	8.7

C-1263a-Q-14	Jan. 2	10.9
4.9	Feb. 6	9.4
	Mar. 5	13.4
	Apr. 2	9.7
	May 7	10.1
	June 4	11.2
	July 2	11.9
	Aug. 6	13.1
	Sep. 3	12.9

Measts. from O. Co. F.C.D.

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

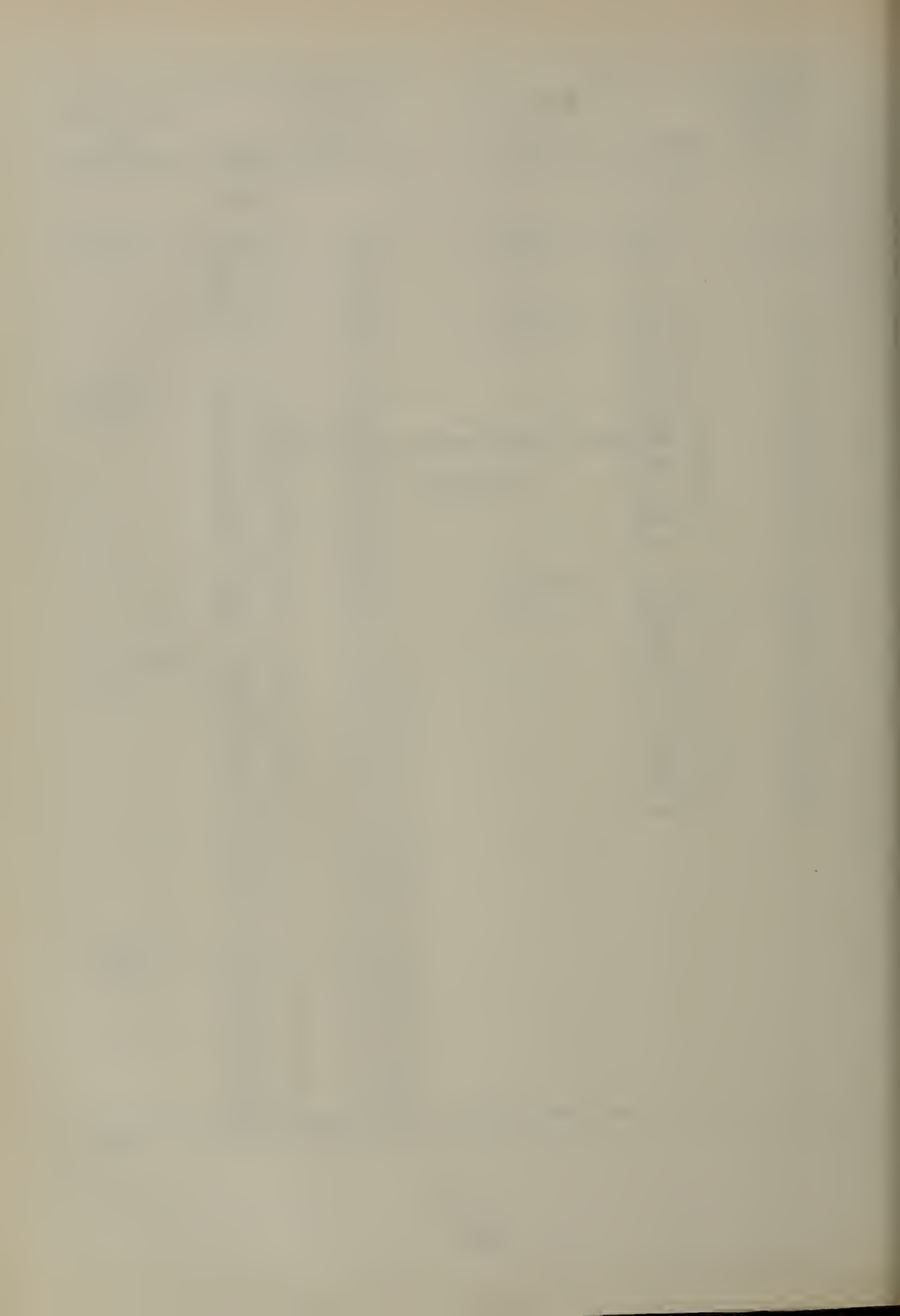
1952

C-1263a-Q-14	Oct. 1	12.4
Cont.	Nov. 5	11.7
	Dec. 3	10.8

C-1264-Q-14	Jan. 11	8.7
5.9	Feb. 15	7.6
	Mar. 14	8.5
	Apr. 11	7.3
	May 13	7.2
	June 12	8.2
	July 10	8.6
	Aug. 12	9.6
	Sep. 12	9.9
	Oct. 10	9.1
	Nov. 13	8.7
	Dec. 9	7.9

C-1265-Q-15	Jan. 11	12.6
6.5	Feb. 15	11.4
	Mar. 14	11.5
	Apr. 11	10.0
	May 13	9.9
	June 12	11.8
	July 10	12.5
	Aug. 12	12.8
	Sep. 12	13.0
	Oct. 10	12.1
	Nov. 13	11.7
	Dec. 9	10.9

Records of Ground Water Levels at Wells
in District "D"



Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1952

1952

D-705-F-20	Jan. 9	205.3
1831.5	Feb. 6	202.4
	Mar. 6	195.5
	Apr. 2	186.3
	May 13	172.3
	June 11	155.6
	July 9	139.9
	Aug. 6	133.7
	Sep. 3	134.3
	Oct. 1	137.8
	Nov. 12	143.7
	Dec. 10	142.8

D-713b-G-20	Jan. 9	381.3
1500.	Feb. 9	379.8
	Mar. 6	375.9
	Apr. 8	375.5
	May 6	373.4
	June 12	370.9
	July 10	370.8
	Aug. 1	369.4
	Sep. 5	366.6
	Oct. 1	366.6
	Oct. 27	365.6

D-705g-F-20	Jan. 7	226.4
1840.	Feb. 4	214.5
	Mar. 3	205.6
	Apr. 7	194.1
	May 5	186.7
	June 2	173.7
	July 7	152.5
	Aug. 4	149.0
	Sep. 1	150.0
	Oct. 6	158.6
	Nov. 3	162.0
	Dec. 1	156.6

D-716-G-21	1212.8	Feb. 4	504
		Mar. 3	503
		Apr. 1	503
		May 5	503
		June 2	510
		July 1	511
		Aug. 1	512
		Sep. 1	513
		Oct. 6	514
		Nov. 3	515
		Dec. 1	515

D-707-F-21	Jan. 9	420.1
1840.4	Feb. 6	414.9
	Mar. 6	414.4
	Apr. 2	414.0
	May 13	405.7
	June 11	385.8
	July 9	366.3
	Aug. 6	347.8
	Sep. 3	352.6
	Oct. 1	357.4
	Nov. 12	358.2
	Dec. 10	350.8

D-718a-G-20	Jan. 9	527.8
1215.	Feb. 9	525.0
	Mar. 6	522.0
	Apr. 8	509.2
	May 6	511.2
	Aug. 1	523.2
	Sep. 15	527.2
	Oct. 29	534.1

D-711b-F-20	Nov. 26	a 302.0
1692.		

D-721b-G-20	Apr. 18	a 341.8
1049.4		

D-711d-F-20	Nov. 26	a 214.±
1574.4		

D-723-G-20	Apr. 18	a 413.5
1115.2	Nov. 26	a 434.5

D-724-G-21	Apr. 18	a 468.3
1173.		

a Meas. from S.B.Co.F.C.D.
 Measts. from owner except as noted.

Well Number :	Dist. R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	Feet :

Well Number :	Dist. R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	Feet :

1952

1952

D-727-H-21 1093.	Jan. 9	a	395.8
	Feb. 6	a	393.8
	Mar. 6	a	393
	Apr. 2	a	391.9
	May 13	a	391.0
	June 11	a	395.8
	Dec. 10	a	394.2

D-754a-I-19	Dec. 5		51.9
727.8			

D-757a-I-19 659.4	Feb. 1		50.5
	Mar. 4		49.9
	Apr. 4		48.9
	May 5		48.9
	June 5		51.1
	July 7		51.9
	Aug. 1		51.6
	Sep. 4		53.6
	Oct. 3		55.2
	Oct. 31		52.4

D-728-H-20 1032.	Nov. 26		353.5
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D-729-H-20 985.	Apr. 18		303.3
	Nov. 26		308.0

D-740-H-20 844.	June 5		190.0
	Sep. 4		193.7

D-762a-I-21	Dec. 4		35.8
692.6			

D-743h-I-19 771.	Apr. 10		98.6
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D-763-J-21 651.9	Feb. 1		45.8
	Mar. 4		41.3
	Apr. 4		39.2
	May 5		37.9
	June 5		39.4
	July 7		43.0

D-743g-I-19 746.0	Mar. 4		77.
	Apr. 4		79.
	May 5		86.4
	June 7		95.3
	Aug. 1		113.8
	Sep. 4		114.6
	Oct. 3		105.7
	Oct. 31		101.7

D-768-J-19	Dec. 5		36.8
704.8			

D-771a-J-20	Apr. 10	b	24.2
600.5			

D-748c-I-21 807.4	Mar. 31		139.7
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D-771e-J-20	Dec. 2		24.5
583.8			

D-750a-I-21 743.5	Dec. 4		70.4
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D-772-J-20 571.3	Feb. 1		2.2
	Mar. 4		2.8
	Apr. 4		2.3
	May 5		2.8
	June 5		5.2
	July 7		7.9

D-751-I-20 765.	Dec. 4		93.6
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	Aug. 1		10.7
	Sep. 4		11.7
	Oct. 3		12.1
	Oct. 31		8.9

D-752-I-20 713.4	Dec. 4		68.1
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D-753b-I-20 702.1	Dec. 4		53.1
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a Meas. from owner.

b Meas. from O.Co.F.C.D.

Measts. from S.B.Co.F.C.D. except as noted.

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1952

D-773-J-21 Dec. 3 13.6
587.

D-776c-J-20 Jan. 10 7.6
555.5 Feb. 7 5.5
 Mar. 6 5.9
 Apr. 7 4.5
 Mar. 12 6.4
 June 11 11.0
 July 30 11.4
 Oct. 2 13.9
 Nov. 7 11.8

D-776e-J-21 Feb. 1 3.0
573.6 Mar. 4 4.2
 Apr. 4 3.6
 May 5 4.5
 June 5 7.6
 July 7 10.6
 Aug. 1 14.6

D-777a-J-20 Mar. 3 3.0
538.0 Dec. 1 3.5

D-780-K-20 Mar. 3 14.7
523.7 Dec. 2 16.2

D-780b-K-20 Mar. 3 14.0
535.8 Dec. 1 15.3

D-782-K-21 Feb. 7 33.2
552.6 Mar. 6 32.4
 Apr. 24 31.7
 May 27 28.8
 June 11 28.9
 July 9 30.1
 Aug. 13 32.7
 Sep. 12 32.9
 Oct. 2 33.8
 Nov. 7 34.5

1952

D-783-K-21 Jan. 10 35.4
540.3 Feb. 7 34.9
 Mar. 6 34.9
 Apr. 8 34.5
 May 12 34.7
 June 11 34.7
 July 9 35.2
 Aug. 13 35.4
 Sep. 12 35.8
 Oct. 2 36.0
 Nov. 7 35.9

D-784d-K-21 Jan. 10 1.7
501.7 Feb. 20 0.5
 Mar. 6 0.5
 Apr. 24 0.1
 May 12 0.9
 June 23 1.4
 July 9 1.9
 Sep. 12 1.9

D-788-K-21 Jan. 10 4.9
479.3 Feb. 20 4.3
 Mar. 6 4.6
 Apr. 24 4.5
 May 26 5.2
 June 11 5.6
 July 9 6.4
 Aug. 13 6.8
 Sep. 12 7.0
 Oct. 2 6.7
 Nov. 7 2.2

D-788a-K-21 Jan. 29 a 4.9
489.5 Feb. 20 a 6.3
 Mar. 27 a 5.7
 Apr. 16 a 6.4
 May 20 a 7.5
 June 16 a 8.2
 July 21 a 8.9
 Aug. 26 a 9.4

a Meas. from O.Co.F.C.D.

Measts. from S.B.Co.F.C.D. except as noted.

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1952	
D-788a-K-21	Sep. 24 a 9.5
Cont.	Oct. 21 a 9.2
	Nov. 25 a 8.4
	Dec. 23 a 8.1
D-789-L-21	Jan. 10 8.1
477.6	Feb. 20 8.0
	Mar. 6 8.4
	Apr. 24 8.0
	May 26 8.6
	June 11 8.8
	July 30 11.2
	Aug. 13 11.3
	Sep. 12 11.2
	Oct. 2 9.9
	Nov. 7 4.0
D-801-K-21	Jan. 11 18.8
563.5	Feb. 8 16.4
	Mar. 24 15.2
	Apr. 8 17.3
	Dec. 1 18.0
D-802-K-21	Apr. 25 24.0
545.6	July 9 25.0 _±
	Nov. 7 35.0 _±
D-812-K-22	Jan. 11 31.9
562.8	Feb. 8 30.4
	Mar. 24 29.6
	Apr. 8 30.2
	Aug. 15 36.1
	Oct. 3 34.6
	Dec. 1 33.3
D-813-K-22	Jan. 11 8.6
547.4	Feb. 8 8.3
	Mar. 24 8.0
	May 1 7.8
	June 10 9.7
	July 11 10.5

1952	
D-813-K-22	Aug. 15 12.2
Cont.	Sep. 12 11.1
	Oct. 3 11.0
	Dec. 1 8.7
D-902a-I-21	Mar. 31 106.4
751.5	
D-905-J-21	Apr. 10 a 24.4
632.2	
D-905a-J-21	Dec. 3 26.5
622.6	
D-906b-J-21	Jan. 11 10.4
594.1	Feb. 8 7.5
	Mar. 24 4.6
	Apr. 30 7.2
	May 15 13.4
	June 10 21.9
	Aug. 15 33.0
	Sep. 12 34.7
	Oct. 3 33.7
	Dec. 1 13.9
D-906d-J-21	Jan. 11 16.1
602.8	Feb. 8 12.1
	Mar. 24 10.4
	Apr. 8 13.3
	May 16 18.2
	June 10 20.8
	Dec. 1 18.8
D-907b-J-22	Feb. 14 b 6.3
578.8	Feb. 27 b 7.2
	Apr. 7 b 6.9
	June 2 b 19.3
D-908a-J-22	Apr. 9 a 24.7
626.0	Sep. 17 a 39.4

a Meas. from O.Co.F.C.D.

b Meas. from Riv. Co. F.C.D.

Measts. from S.B.Co.F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : : surface,
 Date : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : : surface,
 Date : : Feet

1952

1952

D-909-J-22 Apr. 4 44.0
 658.6

D-929-J-23 Feb. 1 50.0
 646.4 Mar. 4 48.5
 Apr. 4 47.4
 May 5 47.7
 Oct. 3 56.7

D-914-I-22 Mar. 28 127.6
 780.0

D-915-I-22 Mar. 4 81.1
 718. Apr. 4 79.4
 May 5 79.6
 June 5 84.1
 July 7 86.6
 Aug. 1 87.1
 Sep. 4 87.3
 Oct. 3 87.4

D-934-I-23 Apr. 3 72.3
 716.0 Nov. 21 76.6

D-935-I-23 Mar. 28 121.2
 785.3

D-936a-I-23 Mar. 28 142.5
 846.0

D-918d-J-22 Jan. 11 30.5
 599.8 Feb. 8 29.3
 Mar. 24 28.5
 Dec. 1 34.1

D-939b-I-23 Mar. 28 92.6
 717.6

D-921a-J-22 Feb. 28 31.4
 663.4 Mar. 28 35.4
 Nov. 21 33.8

D-940b-J-23 Jan. 11 71.0
 701.3 Feb. 28 70.5
 Mar. 24 70.0
 Apr. 8 69.9
 May 1 69.8
 June 10 70.0
 July 11 70.5
 Aug. 15 76.2
 Sep. 12 71.2
 Oct. 3 71.6
 Dec. 1 71.4

D-922-I-22 Mar. 28 88.1
 726.6

D-922c-I-22 Apr. 3 75.7
 712.6

D-928-I-23 Jan. 11 a 69.7
 702.0 Feb. 15 a 65.8
 Feb. 29 a 65.5
 Apr. 8 a 65.2
 June 4 a 65.4
 Aug. 8 a 69.5
 Oct. 7 a 68.4

D-975c-I-25 Nov. 13 b 48.5
 817.6

D-975d-I-25 Jan. 10 b 14.4
 770.7 Mar. 15 b 14.1
 May 15 b 14.4
 July 12 b 14.6

D-928a-J-23 Feb. 28 49.7
 681.3 Mar. 28 48.8

a Meas. from Riv. Co. F.C.D.

b Meas. from owner.

Measts. from S.B. Co. F.C.D. except as noted.

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

1952

1952

D-975d-I-25	Sep. 12	15.1
Cont.	Nov. 13	15.0

D-986-I-26	June 14	62.0
Cont.	July 12	63.1
	Sep. 12	65.9
	Nov. 13	66.5

D-983c-I-26	Mar. 15	57.3
851.0	Apr. 19	56.8
	May 15	56.7
	June 14	57.2
	July 12	57.2
	Aug. 15	57.9
	Sep. 12	58.1
	Nov. 13	58.7
	Dec. 12	58.8

D-1001b-G-21	Jan. 1	233.0
1420.3	Feb. 2	222.0
	Mar. 1	232.0
	Apr. 1	220.0
	May 1	209.0
	Sep. 1	216.0
	Dec. 1	227.0

D-984d-I-26	Feb. 1	a	110.0
946.4	Mar. 4	a	109.5
	Apr. 4	a	108.3
	May 5	a	107.8
	Aug. 1	a	116.5
	Sep. 4	a	111.1
	Oct. 3	a	119.5
	Oct. 31	a	129.7

D-1001i-G-21	Jan. 1	221.0
1396.1	Feb. 1	210.0
	Mar. 1	197.0
	Apr. 1	188.0
	May 1	182.0
	Dec. 1	219.0

D-985c-I-26	Mar. 15	74.6
*	Apr. 19	74.1
	May 15	74.1
	Aug. 15	78.2
	Oct. 17	80.2
	Nov. 13	80.3
	Dec. 12	79.8

D-1002-G-21	May 1	a	95.8
1269.0	Nov. 26	a	99.9

D-1005a-H-21	Apr. 18	a	213.9
906.2	Nov. 21	a	218.9

D-1007b-H-22	Mar. 28	a	167.5
870.8			

D-985d-I-26	Jan. 5	9.0
825.8	Feb. 10	6.5
	Mar. 9	6.9
	Apr. 13	5.2
	May 2	5.1
	Nov. 16	14.2
	Dec. 7	11.1

D-1012b-G-22	May 1	a	133.7
1322.0			

D-1014-G-22	May 1	a	438.
1203.6			

D-1024-G-22	May 1	a	467.±
1331.3			

D-986-I-26	Mar. 15	60.3
876.4	May 15	60.3

D-1029-H-23	Apr. 17	a	232.3
974.6	Nov. 20	a	240.3

* R.P. elev. 895.9 through April 19, 1952; then 896.2.

a Meas. from S.B. Co. F.C.D.

Measts. from owner except as noted.

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1952

D-1030-H-23	Feb. 1	a	177.6
862.6	Mar. 4	a	180.7
	Apr. 4	a	180.2
	May 5	a	180.3
	June 5	a	180.5
	Aug. 1	a	191.2
	Oct. 3	a	193.4
	Oct. 31	a	183.0

D-1031-H-23	Mar. 18	a	161.4
902.0			

D-1033-H-23	Mar. 4	a	286.0
1046.8	May 5	a	285.4
	June 5	a	274.9
	Oct. 31	a	286.8

D-1043b-H-24	Apr. 18	a	175.4
937.5			

D-1044-H-24	Mar. 4	a	204.1
959.0	May 5	a	193.4
	June 5	a	194.0
	July 7	a	197.1
	Aug. 1	a	196.0
	Sep. 4	a	196.6
	Oct. 3	a	197.5
	Oct. 31	a	195.7

D-1050-G-24	Feb. 12		377.1
1165.7	Apr. 12		376.0
	June 10		375.3
	Sep. 12		376.2
	Dec. 12		376.0

D-1050a-G-24	Feb. 12		452.7
1246.5	Apr. 4		451.5
	June 11		449.2
	July 14		462.8
	Sep. 12		448.0
	Dec. 12		447.6

D-1052-H-24	Feb. 12		297.4
1079.8	Apr. 12		293.3

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1952

D-1052-H-24	June 10		292.8
Cont.	Sep. 12		293.3
	Dec. 12		293.3

D-1053-H-24	Feb. 12		242.9
1024.9	Apr. 12		242.9
	June 10		242.9
	Sep. 12		243.3
	Dec. 12		243.3

D-1054c-H-24	Apr. 18	a	178.5
964.4			

D-1055-H-24	Sep. 12		193.8
979.9	Dec. 12		193.6

D-1059-G-24	Feb. 12		414.6
1210.5	Apr. 12		413.6
	June 10		411.8
	July 29		421.0
	Sep. 12		414.3
	Dec. 12		413.0

D-1061-G-25	Feb. 19		574.9
1397.2	Apr. 11		575.5
	May 13		575.5
	June 11		575.2
	July 11		574.9
	Sep. 11		575.8
	Oct. 14		575.4
	Nov. 11		574.8
	Dec. 15		573.7

D-1062-G-25	Feb. 12		436.5
1248.8	Apr. 12		433.6
	June 10		435.7
	Sep. 12		437.7
	Dec. 12		437.1

D-1062a-G-25	Feb. 12		434.6
1236.4	Apr. 12		433.9
	June 10		433.5
	Sep. 12		448.5
	Dec. 12		434.2

a Meas. from S.B. Co. F.C.D.

Measts. from Fontana Union Water Co. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

		1952	
D-1064-H-25 1107.5	Feb. 12		305.9
	Apr. 12		308.2
	June 11		305.5
	Sep. 12		305.9
	Dec. 15		304.8
D-1064a-H-25 1156.9	Feb. 12		351.4
	Apr. 12		351.2
	June 10		351.2
	July 29		362.8
	Sep. 12		352.6
	Dec. 12		352.6
D-1064b-H-25 1142.5	Feb. 12		342.8
	Apr. 12		341.9
	June 10		341.2
D-1065-H-25 1050.0	Mar. 4	a	250.9
	May 5	a	250.8
	June 5	a	250.0
	July 7	a	250.8
	Aug. 1	a	251.4
	Sep. 4	a	251.4
	Oct. 3	a	252.7
	Oct. 31	a	255.6
D-1068-H-25 1082.4	Oct.	b	253.9
	Nov.	b	254.6
	Dec.	b	249.5
D-1072-G-25 1409.9	Feb. 11		297.3
	Mar. 12		295.0
	Apr. 11		292.7
	May 13		291.1
	June 19		303.5
	July 11		314.2
	Aug. 12		320.9
	Sep. 11		306.5
	Oct. 13		292.1
	Nov. 11		298.5
	Dec. 11		296.5

		1952	
D-1072a-G-25 1409.6	Jan. 11		303.2
	Feb. 11		298.1
	Mar. 12		295.9
	Apr. 11		293.3
	May 13		291.0
	Sep. 11		307.4
	Oct. 13		299.1
	Nov. 11		296.7
	Dec. 11		294.4
	D-1075-G-25 1180.8	Feb. 12	
Apr. 12			328.9
June 10			328.7
Sep. 12			328.7
Dec. 12			328.7
D-1075a-G-25 1228.7	Feb. 12		383.7
	Apr. 4		383.2
	June 10		383.1
	Sep. 12		384.0
	Dec. 12		384.2
D-1081-H-26 1105.7	Mar. 4	a	253.3
	May 5	a	253.1
	June 5	a	253.4
	July 7	a	253.7
	Aug. 1	a	253.6
	Sep. 4	a	254.2
D-1084-G-26 1353.2	May 2	a	304.9
	Feb. 11		308.6
	June 9		315.6
	Nov. b		185.5
	Dec. b		183.4
D-1085a-G-26 1346.6	Feb. 11		308.6
	June 9		315.6
D-1088-H-26 1037.6	Nov. b		185.5
	Dec. b		183.4
D-1090-H-26 967.6	Apr. 17	a	120+

a Meas. from S.B. Co. F.C.D.

b Meas. from owner.

Measts. from Fontana Union Water Co. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1952

D-1091-H-26 Apr. 25 a 17.±
896.6

D-1092c-H-26 Apr. 25 a 10.2
870.1

D-1092d-H-26 Apr. 17 a 142.3
999.7

D-1095-G-26 Sep. b 209.8
1177.2
Nov. b 210.1
Dec. b 209.3

D-1105-F-21 Jan. 9 b 465.9
1684.4
Feb. 6 b 463.0
Mar. 6 b 453.8
Apr. 2 b 447.3
May 13 b 437.6
June 11 b 440.8
July 9 b 439.8
Aug. 6 b 445.4
Dec. 10 b 457.5

D-1105e-F-21 May 2 a 388.7
1635.

D-1161-E-25 Jan. 11 79.0
2244.1
Feb. 11 52.5
Mar. 12 59.8
Apr. 11 49.0
July 11 63.8
Aug. 12 68.8
Sep. 11 68.4
Oct. 13 71.2
Nov. 11 74.9
Dec. 11 74.4

D-1162a-E-25 Jan. 11 123.6
2068.9
Feb. 11 68.4
Mar. 11 77.9
Apr. 11 61.9
May 13 72.3
June 9 82.7

1952

D-1162a-E-25 Oct. 13 110.9
Cont. Nov. 11 101.6
Dec. 11 98.6

D-1164-E-25 Feb. 12 163.0
1806.6
June 11 128.3
Sep. 12 148.1

D-1166-F-25 May 2 a 341.0
1525.4

D-1170b-E-25 Jan. 11 39.1
1852.9
Feb. 11 56.6
Apr. 11 41.1
May 13 40.9
June 9 44.0
July 11 45.2
Aug. 12 47.0
Sep. 11 49.9
Nov. 11 49.0
Dec. 11 50.5

D-1177a-F-25 Feb. 12 413.5
1514.2
June 10 413.9

D-1182b-E-26 Jan. 11 371.2
1598.9
Feb. 11 370.8
Mar. 11 372.0
Apr. 11 371.6
May 13 368.0
June 9 368.4
July 11 367.3
Aug. 12 365.6
Sep. 11 365.9
Oct. 13 365.9
Nov. 11 362.5

D-1182c-E-26 Jan. 11 362.2
1550.5
Feb. 11 360.4
Mar. 11 358.6
Apr. 11 354.8
May 13 346.0
June 19 339.3

a Meas. from S.B. Co. F.C.D.

b Meas. from owner.

Measts. from Fontana Union Water Co. except as noted.

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

1952		
D-1182c-E-26	July 11	336.8
Cont.	Aug. 12	335.4
	Sep. 11	332.2
	Oct. 13	330.0
	Nov. 11	325.9
	Dec. 11	322.7
D-1184-E-26	Jan. 21	a 170.5
1879.0	Mar. 17	a 169.9
	May 14	a 164.0
	July 3	a 162.0
	Aug. 21	a 165.0
	Oct. 29	a 168.0
D-1188a-F-26	Jan. 11	275.5
1455.9	Feb. 11	271.1
	Mar. 11	269.5
	Apr. 11	264.4
	May 13	255.1
	June 9	249.9
	Aug. 12	248.9
	Sep. 11	245.7
	Oct. 13	243.4
	Nov. 11	241.1
	Dec. 11	237.4

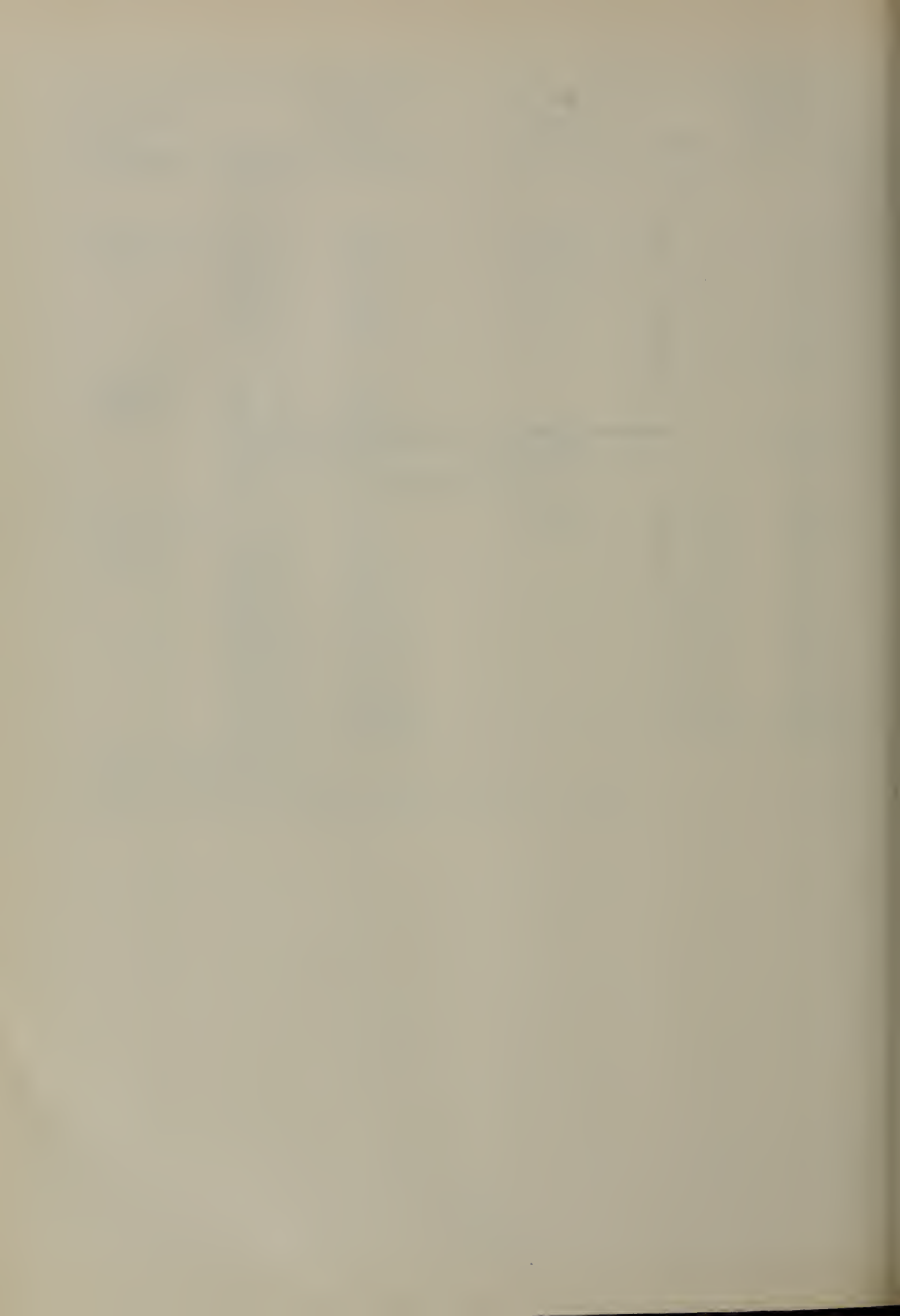
1952		
D-1188h-F-26	Jan. 23	a 90.0
1496.4	May 9	a 93.0
D-1189-F-26	June 23	b 197.5
1363.	July 7	b 194.5
	Aug. 4	b 193.0
	Sep. 1	b 196.5
	Nov. 3	b 199.
	Dec. 1	b 192.
D-1192c-F-26	Oct.	b 359.4
1367.5	Dec.	b 257.4
D-1253-D-24	Jan. 11	16.1
2760.	Feb. 11	16.2
	Mar. 12	16.4
	Apr. 11	15.2
	May 13	15.7
	June 9	15.9
	July 11	16.5
	Aug. 12	17.2
	Sep. 10	18.6
	Oct. 14	18.0
	Nov. 11	19.8
	Dec. 11	16.3

a Meas. from S.B.W.D.

b Meas. from owner.

Measts. from Fontana Union Water Co. except as noted.

Records of Ground Water Levels at Wells
in District "E"



Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

1952

1952

E-2-E-27	Jan. 21	216.4
1622.0	Mar. 5	211.0
	Apr. 2	198.7
	May 2	184.4
	June 4	181.4
	July 3	183.6
	Aug. 4	183.9
	Oct. 8	188.8
	Nov. 18	190.0

E-7-G-27	Apr.	a	93.3
Cont.	May	a	90.9
	Dec.	a	106.9

E-8a-G-27	Jan. 18	179.6
1203.5	Mar. 19	177.8
	May 8	178.3
	July 7	179.0
	Aug. 22	180.5
	Oct. 30	179.1

E-2a-E-27	Jan. 17	227.7
1531.2	Mar. 5	228.2
	Apr. 2	225.2
	May 2	222.7
	June 4	222.1
	July 3	224.0
	Aug. 21	229.9
	Oct. 29	210.8

E-10-E-27	Feb. 29	186.6
1412.0	Mar. 5	186.6
	Apr. 2	186.2
	May 1	186.3
	June 4	187.3
	July 7	190.1
	Aug. 4	198.1
	Sep. 2	188.1
	Oct. 29	186.8
	Dec. 15	187.4

E-4a-F-27	Mar. 17	215.2
1303.4	May 8	214.2

E-23-G-27	May 9	36.0
1069.9	July 7	43.3
	Aug. 25	47.2
	Oct. 31	48.8

E-5e-F-27	Jan. 30	175.2
1258.4	Feb. 4	176.8
	Mar. 17	173.8
	May 8	173.9
	Nov. 4	195.0
	Dec. 12	184.4

E-27-F-28	Jan. 17	b	
1110.1	Mar. 18		47.1
	May 8	b	

E-6-F-27	Jan. 15	270.0
1248.2	Feb. 2	262.0
	Mar. 5	254.0
	Apr. 2	253.0
	May 2	255.0
	July 1	284.0
	Aug. 1	285.0
	Oct. 30	293.0
	Nov. 18	281.2

E-29-G-28	Jan. 31	26.6
*	Mar. 5	25.4
	May 1	23.1

E-29b-G-27	Jan. 22	11.5
1047.6	Mar. 19	9.6

E-7-G-27	Jan.	a	97.3
1160.5	Feb.	a	96.4
	Mar.	a	93.8

E-34b-F-28	Jan. 17	184.1
1319.2	Mar. 17	179.1
	May 7	174.6

* R.P. Elev. 1031.3 through Jan. 31, 1952; then 1029.69.

a Meas. from owner.

b Dry at 50 ft.

Measts. from S.B.W.D. except as noted.

Well Number	:	:	Dist.R.P.
and	:	:	to water
R.P. Elev.	:	Date	surface,
	:		Feet

Well Number	:	:	Dist.R.P.
and	:	:	to water
R.P. Elev.	:	Date	surface,
	:		Feet

1952		
E-34b-F-28	July 3	173.0
Cont.	Aug. 20	175.2
	Oct. 29	178.4
E-36-F-28	Jan. 18	97.9
1161.8	Feb. 29	94.6
	Mar. 18	92.7
	May 1	93.6
	July 4 a	99.2
	Aug. 25	103.2
	Oct. 7	105.1
	Oct. 30	102.1
	Dec. 10	97.3
E-37-F-28	Jan. 18	66.1
1130.3	Mar. 18	62.6
	May 8	64.5
	July 4	74.6
	Aug. 22	77.0
	Oct. 30	76.2
E-42-G-28	Mar. 13	+ 9.2
1059.3	Apr. 2	+ 7.5
	May 6	+ 4.6
	June 12	10.1
	July 1	16.0
	Aug. 7	14.0
E-43-G-28	Jan. 15	+ 7.4
1053.8	Mar. 13	+11.6
	May 6	+15.0
	July 1	+15.0
E-46-G-28	Jan. 18	24.0
1085.5	Mar. 18	22.2
	May 8	22.2
	July 4	23.1
	Aug. 22	23.5
	Oct. 30	20.7

1952		
E-49-F-29	Jan. 17	185.7
1269.8	Mar. 14	179.6
	May 7	175.7
	Aug. 20	181.2
	Oct. 28	184.1
E-49d-F-29	Jan. 17	194.1
1282.5	Mar. 14	191.3
	May 7	187.6
	Aug. 20	195.7
	Oct. 28	197.2
E-50a-F-29	Jan. 15	67.0
1150.1	Mar. 13	62.3
	May 6	59.1
	July 1	69.0
	Aug. 20	72.6
	Oct. 27	73.3
E-54-F-29	Mar. 14	303.3
1413.0	Aug. 5	303.7
	Oct. 28	308.2
E-55b-G-29	Jan. 16	186.7
1284.7	Mar. 14	183.7
	May 7	174.2
E-57-G-29	Jan. 16	123.0
1222.2	Mar. 13	113.0
	May 6	81.7
	July 1	89.0
	Aug. 19	95.0
	Oct. 27	95.6
E-59-G-29	Jan. 15 b	
1239.1	Mar. 14	126.0
	May 6	121.7
	July 1 b	
	Oct. 27	123.1

a Pumping nearby.

b Dry at 127 ft.

Measts. from S.B.W.D.

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface,
		Feet

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface,
		Feet

1952

1952

E-59a-G-30 1266.5	Jan. 16	a	156.8
	Mar. 14	a	153.2
	May 7	a	144.7
	July 1	a	142.5
	Aug. 19	a	145.7
	Oct. 28	a	147.6

E-74i-I-27 964.4	Feb. 8	c	120.0
	Mar. 10	c	119.2
	June 5	c	116.1

E-74m-I-27 See page 104

E-61d-G-30 1397.4	Jan. 21	b	188.6
	Feb. 13	b	187.4
	Feb. 28	b	186.3
	Mar. 13	b	185.8
	Apr. 8	b	182.4
	May 5	b	179.4
	June 9	b	174.8
	Aug. 7	b	176.1

E-75-H-27 921.2	Mar. 15		36.8
	Apr. 19		27.8
	May 15		25.8
	June 14		29.0
	July 12		34.1
	Aug. 15		41.2
	Sep. 12		45.6
	Oct. 17		48.6
	Nov. 13		50.5
	Dec. 12		49.2

E-62a-G-30 1541.6	Feb. 15	a	308.8
	May 7	a	296.0

1939

E-67h-I-26 862.6	Mar. 15		12.6
	Apr. 19		7.8
	May 15		11.0
	June 14		13.9
	July 12		15.8
	Aug. 15		18.0
	Sep. 12		20.3
	Oct. 17		21.2
	Nov. 13		21.8
	Dec. 12		19.4

E-77i-I-27 *946.2	Nov. 5	d	85.0
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1945

Jan. 4	d	71.1
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1950

Sep. 16	d	87.5
Dec. 8	d	90.2
Dec. 12	d	89.6
Dec. 14	d	90.3

1951

Feb. 11	d	87.2
Mar. 24	d	86.6
Apr. 21	d	87.1
May 20	d	87.6
June 23	d	90.4

E-74-I-27 883.4	Mar. 15		52.2
	Apr. 19		58.8
	May 15		57.0
	June 14		59.5
	July 12		61.2
	Aug. 15		60.7
	Sep. 12		65.3
	Oct. 17		60.7
	Nov. 13		61.1
	Dec. 12		59.3

* Corrected R.P. Elev.

a Meas. from S.B.W.D.

b Meas. from S.B.V.W.C.D.

c Meas. from Riverside Water Basin Records.

d Meas. from A.A. Webb.

Measts. from owner except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1951

E-77i-I-27	July 21	92.8
*Cont.	Aug. 25	96.0
	Sep. 22	98.1
	Oct. 27	99.7
	Nov. 26	99.9
	Dec. 22	99.4

1950

E-83-I-27	Sep. 17	124.1
Cont.		

1952

	Jan. 26	96.4
	Feb. 26	93.7
	Mar. 22	91.7
	May 7	89.1
	June 29	88.1
	July 27 a	90.0
	Aug. 24 a	95.1
	Sep. 20	99.1
	Oct. 25	99.1
	Nov. 30	98.8
	Dec. 29 a	97.2

1951

	Feb. 11	123.0
	Mar. 24	121.9
	Apr. 21 c	122.8
	May 20	124.8
	June 23	126.6
	July 21 c	129.6
	Aug. 25 c	133.2
	Sep. 22 c	135.9
	Oct. 27 c	137.7
	Nov. 26	137.2
	Dec. 22	136.0

E-78-G-27	Jan. 29 b	58.0
1094.5	Feb. 28 b	46.7
	Mar. 31 b	46.7
	Apr. 29 b	43.0
	May 29 b	47.0
	June 29 b	82.0
	July 29 b	114.0
	Aug. 30 b	124.0
	Sep. 29 b	113.0
	Oct. 29 b	102.0
	Nov. 29 b	69.7
	Dec. 29 b	70.0

1952

	Jan. 26	132.4
	Feb. 26 c	128.9
	Mar. 22	126.2
	Apr. 26	122.0
	May 25 c	125.1
	June 29 c	124.7
	July 27 c	127.4
	Aug. 24 c	130.0
	Sep. 20 c	132.0
	Oct. 25	134.5
	Nov. 29	133.1
	Dec. 29	131.8

E-80-H-27 See page 105

E-85-G-27	Jan. 22 d	30.4
1054.9	Mar. 19 d	27.8
	July 7 d	45.1
	Aug. 22 d	50.0
	Oct. 31 d	44.9

E-82-I-27 See page 109

1945

E-83-I-27	Jan. 5	107.0
**		

E-90b-H-27	Mar. 15 b	5.7
959.6	May 15 b	6.0
	July 12 b	12.7
	Sep. 12 b	19.5
	Nov. 13 b	24.9

* R.P. Elev. 946.2 through Mar. 22, 1952; then 944.5 through June 29, 1952; then 946.7.

** R.P. Elev. 984.6 through Jan. 5, 1945; then 983.5.

- a Pumping level.
- b Meas. from owner.
- c Pumping nearby.
- d Meas. from S.B.W.D.
 Measts. from A. A. Webb except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1952

93-G-28	Jan. 22	a	+37.0
1008.7	Mar. 20	a	+41.6
	May 9	a	+30.0
	July 7	a	+12.7
	Aug. 25	a	+ 5.8
	Nov. 3	a	+ 9.2

95-H-27	Jan. 22		105.9
1014.4	Mar. 17		99.6
	May 8		99.1
	Sep. 11		106.6

95a-J-27	Mar. 15	b	54.0
969.7	May 15	b	46.4
	July 12	b	56.2
	Sep. 12	b	63.8
	Nov. 13	b	64.7

97-G-28	Mar. 20	a	17.9
1061.3	May 9	a	36.5
	July 7	a	38.8
	Aug. 25	a	41.0
	Nov. 3	a	58.0

102s-H-28	Jan. 23		0.0
1069.7	Mar. 17		0.0

104-H-28	Jan. 21		245.9
1310.5	Mar. 17		230.3
	May 8		227.3
	Sep. 9		245.8
	Oct. 12		252.0

106c-H-29	Jan. 21		68.0
1163.9	Feb. 12		66.1
	Mar. 18		64.7
	Apr. 9		63.6
	May 8		63.1
	June 11		67.3

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1952

E-106c-H-29	Sep. 8		78.1
Cont.	Oct. 13		74.5

E-106f-H-29	Jan. 23		75.4
1140.9	Feb. 11		77.5
	Mar. 17		71.1
	Apr. 8		70.0
	May 9		69.2
	Sep. 9		86.1
	Oct. 13		84.5

E-107b-H-29	Jan. 21		106.8
1206.9	Feb. 12		104.4
	Mar. 13		101.9
	Apr. 8		99.8
	May 8		98.1
	June 11		108.6
	Sep. 8		122.3
	Oct. 13		120.6
	Dec. 5		112.4

E-107d-H-29	Jan. 21		77.3
1217.8	Mar. 18		76.1
	May 8		83.1
	Sep. 13		88.3
	Oct. 13		87.5

E-109-G-29	Jan. 5	b	72.3
1150.2	Feb. 2	b	64.8
	Mar. 1	b	59.5
	Apr. 5	b	56.9
	May 3	b	38.8
	June 7	b	38.4
	July 5	b	46.6
	Aug. 2	b	54.2
	Aug. 30	b	58.8
	Oct. 4	b	63.3
	Nov. 1	b	66.2
	Nov. 29	b	66.9

Meas. from S.B.W.D.

Meas. from owner.

Measts. from S.B.V.W.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1952

1952

E-110-H-29 Jan. 23 77.6
 1207.2 Feb. 11 77.4
 Mar. 17 76.7
 Apr. 9 76.0
 May 9 75.9
 June 10 76.3
 Sep. 8 78.3
 Oct. 13 79.8

E-123c-H-30 May 8 260.4
 Cont. June 9 264.2
 Dec. 5 272.9

E-124-H-30 Jan. 14 161.7
 1609.5 Mar. 10 150.7
 May 7 145.7
 Aug. 8 153.5
 Oct. 25 162.0

E-113-G-29 Jan. 17 138.1
 1293.1 Feb. 11 134.7
 Mar. 12 133.5
 Apr. 9 127.7
 May 9 124.5
 June 10 127.4
 Oct. 19 156.9

E-127-H-31 Jan. 14 98.1
 1907.0 Feb. 12 97.6
 Mar. 10 94.4
 May 7 89.4
 June 9 85.7
 Aug. 7 78.5
 Oct. 25 69.0

E-114-H-29 Jan. 17 169.2
 1322.3 Feb. 11 169.1
 Mar. 18 162.3
 Apr. 9 162.2
 May 9 156.7
 June 10 161.5
 Sep. 4 173.7
 Oct. 19 176.3

E-127b-G-31 Jan. 17 247.6
 1763.3 Mar. 12 244.8
 May 7 242.0

E-127d-H-31 Jan. 14 98.3
 1836.2 Mar. 11 94.3
 May 7 87.2
 Aug. 7 77.3
 Oct. 25 85.9

E-117-I-30 Jan. 21 85.3
 1438.6 Mar. 14 84.1
 May 8 83.4

E-128-H-31 Jan. 14 153.6
 ** May 7 136.1

E-120-H-30 Aug. 8 278.5±
 1523.5

E-131e-H-32 Jan. 14 53.7
 2198.9 Feb. 12 45.2
 Mar. 11 43.6
 Apr. 7 39.8
 May 7 31.1
 June 9 32.1
 Aug. 7 27.9

E-122-I-30 Sep. 5 86.3
 1513.3 Oct. 19 86.8

E-123c-H-30 Jan. 8 277.1
 * Feb. 12 266.4
 Mar. 31 262.3
 Apr. 9 262.8

E-132-I-31 Apr. 5 a 135.3
 2131.8 Nov. 11 a 137.0

* R.P. Elev. 1520.1 through Dec. 5, 1952; then 1519.7.

** Correction to all previous bulletins: R.P. Elev. should be 1709.6.

a Meas. from J. N. Hicks.

Measts. from S.B.V.W.C.D. except as noted.

Well Number : : Dist.R.P.
 : : to water
 and : : surface,
 R.P. Elev. : Date : Feet

Well Number : : Dist.R.P.
 : : to water
 and : : surface,
 R.P. Elev. : Date : Feet

1952

1952

E-133-I-31 Apr. 5 139.7
 2099.0 Nov. 11 158.2

E-149i-K-22 Feb. 8 c 56.2
 587.9 Mar. 6 c 55.6
 June 6 c 56.1

E-136-I-32 Apr. 5 133.1
 2292.6 Nov. 11 148.2

E-150-K-22 Feb. 8 c 88.4
 602.7 Mar. 6 c 88.6

E-136c-I-32 Apr. 11 192.3
 2360.2 Nov. 26 209.0

E-150b-K-22 Apr. 7 a 49.5
 567.6 Sep. 15 a 53.5

E-136f-I-32 Apr. 11 248.0
 2424.7 Nov. 29 255.3

E-151-K-22 Apr. 7 a 13.5
 526.0 Sep. 15 a 20.7

E-136i-I-32 Apr. 5 216.0
 2392.6 Nov. 26 230.6

E-153-K-22 Apr. 8 a 34.4
 590.3 Sep. 15 a 35.8

E-137-H-32 Apr. 11 244.0
 2653.5

E-156-K-23 Feb. 8 c 50.7
 640.0 Mar. 6 c 50.6

E-138-I-32 Nov. 29 248.5
 2419.8

E-159-K-23 Feb. 13 b 54.5
 627.3 Apr. 4 b 55.1
 June 12 b 53.5
 Aug. 12 b 53.7
 Oct. 8 b 54.1

E-138f-I-33 Apr. 5 388.6
 2623.2 Nov. 31 395.6

E-139a-H-33 Apr. 5 284.3
 2816.9

E-165d-K-24 Feb. 8 c 13.8
 700.1 Mar. 6 c 12.6

E-140-H-33 Apr. 11 67.9
 3107.7

E-172-J-25 Feb. 8 c 5.4
 737.4 Mar. 6 c 6.3
 June 6 c 7.5

E-141-I-33 Apr. 11 64.4
 2812.6

E-176-K-24 Feb. 8 c 50.8
 764.2 Mar. 6 c 50.0
 June 5 c 48.9

E-147b-K-21 Apr. 16 a 3.0
 493.8 Sep. 24 a 4.1

E-147c-L-21 Apr. 16 a 4.0
 501.8

E-178-J-25 Feb. 8 c 36.6
 779.4 Mar. 10 c 36.3
 June 6 c 35.9

E-149d-K-22 Apr. 7 b 46.7
 570.9 Sep. 15 b 47.1

E-184c-J-25 Feb. 8 c 60.9
 801.5 Mar. 10 c 60.8
 June 6 c 60.8

a Meas. from O. Co. F.C.D.

b Meas. from Riv. Co. F.C.D.

c Meas. from Riverside Water Basin Records.

Measts. from J. N. Hicks except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1952			
E-185-J-25 799.6	Feb. 8	a	41.1
	Mar. 11	a	40.9
	June 6	a	39.7
E-192-J-26 846.3	Mar. 15	b	69.4
	Apr. 19	b	68.7
	May 15	b	69.9
	June 14	b	71.3
	July 12	b	73.1
	Aug. 15	b	75.0
	Sep. 12	b	79.5
	Oct. 17	b	76.7
	Nov. 13	b	75.4
	Dec. 12	b	73.8
E-192a-J-26 769.5	Feb. 8	a	6.6
	Mar. 10	a	6.4
	June 6	a	6.8
E-196e-J-26 869.4	Feb. 8	a	85.6
	Mar. 10	a	85.3
	June 6	a	83.8
E-201d-I-27 907.7	Feb. 8	a	85.7
	Mar. 10	a	84.5
E-201g-J-26 896.2	Feb. 8	a	110.0
	Mar. 10	a	109.2
	June 5	a	107.6
E-229-I-32 2287.1	Apr. 5	c	102.6
	Nov. 26	c	102.5
E-232e-I-32 2483.9	Apr. 5	c	249.7
	Nov. 11	c	263.9
E-265-L-21 491.8	Jan. 7		9.6
	Feb. 4		10.0
	Mar. 4		9.7
	Apr. 1		9.9
	May 6		9.8
	June 6		10.7

1952			
E-265-L-21 Cont.	July 4		10.6
	Aug. 1		11.5
	Sep. 3		10.6
	Oct. 1		10.6
	Nov. 5		10.5
	Dec. 3		9.9
E-267-L-21 494.0	Feb. 18	d	7.5
	Mar. 27	d	7.2
	Apr. 3	d	7.3
	June 11	d	6.5
	Aug. 12	d	7.4
	Oct. 8	d	8.1
E-268b-L-21 512.4	Jan. 29		14.2
	Feb. 20		14.5
	Mar. 27		13.4
	Apr. 16		13.4
	May 20		13.8
	June 16		14.1
	July 21		14.8
	Aug. 26		15.7
	Sep. 25		16.2
	Oct. 21		16.2
Nov. 25		15.9	
	Dec. 23		15.2
E-269a-L-22 527.8	Apr. 16		15.4
E-270-L-21 611.1	Apr. 7		99.9
	Sep. 15		102.1
E-272-L-22 537.1	Apr. 7		25.0
E-273a-L-22 662.2	Apr. 7		139.6
E-274c-L-22 592.2	Apr. 7		71.8
	Sep. 15		79.0

a Meas. from Riverside Water Basin Records.
 b Meas. from owner.
 c Meas. from J. N. Hicks.
 d Meas. from Riv. Co. F.C.D.
 Measts. from O. Co. F.C.D. except as noted.

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

1952

E-276-L-22	Jan. 14	149.2
677.8	Feb. 12	146.6
	Mar. 11	144.8
	Apr. 9	143.8
	May 14	143.3
	June 13	149.0
	July 12	150.7
	Aug. 13	148.4
	Sep. 10	150.2
	Oct. 15	150.3
	Nov. 12	151.8
	Dec. 8	147.6

Well Number :	:	Dist.R.P.
and :	:	to water
R.P. Elev. :	Date :	surface, Feet

1952

E-277b-M-22	Sep. 16	a	121.7
969.9			
E-282c-L-22	Jan. 14		94.8
631.5	Feb. 12		91.3
	Mar. 11		91.0
	Apr. 9	b	96.6
	Dec. 8		93.6
E-286c-L-23	Feb. 13	c	49.4
609.9	Aug. 12	c	45.4
	Sep. 16	a	46.9

a Meas. from O. Co. F.C.D.

b Pumping level.

c Meas. from Riv. Co. F.C.D.

Measts. from owner except as noted.

E-74m-I-27, HIGHGROVE DOMESTIC SYSTEM. MAP 8

Location and description--50 feet south of Center St., 250 feet west of Garfield Ave., Highgrove.

Reference point--Top of measuring pipe, one-tenth foot above concrete floor.

Elevation of reference point--988.0, from levels by Albert A. Webb.

Use--Domestic and irrigation.

Depth of well--443 feet.

Diameter of casing--16 inches.

Other numbers used--Location No. 17978A

Date	: Dist.R.P. : to water : surface, Feet	Date	: Dist.R.P. : to water : surface, Feet	Date	: Dist.R.P. : to water : surface, Feet
1946		1951		1952	
June 6	118.0	Feb. 11	132.8	Jan. 26	140.8
		Mar. 24	132.7	Feb. 22	139.5
1948		Apr. 21	132.6	Apr. 26 a	144.3
		May 20 a	140.6	May 26 a	148.0
Apr. 12	123.3	June 23 a	140.7	June 29 a	146.3
		July 21 a	141.1	July 27	138.7
1950		Aug. 25 a	143.6	Aug. 24 a	150.3
		Sep. 22	140.2	Sep. 20 a	165.1
Sep. 17	131.8	Oct. 27	141.8	Oct. 26 a	162.3
Dec. 8	134.0	Dec. 22	142.0	Nov. 30 a	152.1
				Dec. 29	139.5

a Pumping level.

Measts. from A. A. Webb.

Log available

Location and description--4,359 feet south and 1,915 feet west of inter-section of Mt. Vernon Ave. and "M" St., south of Colton.

Reference point--Top of one-half-inch diameter air line through February 4, 1938; then, top of casing, six-tenths foot below top of air line, through April 4, 1938; then, top of casing, raised three-feet, through June 4, 1938; then, top of one-half-inch air line, replaced, through September 24, 1948; then, top of casing through October 22, 1948; then, top of casing, raised to 4.7 feet above ground level, through November 26, 1948; then, top of one-half-inch air line, four-tenths foot above concrete floor.

Elevation of reference point--917.5 through February 4, 1938; then 916.9 through April 4, 1938; then 919.9 through June 4, 1938; then 920.5 through September 24, 1948; then 919.9 through October 22, 1948; then 924.0 through November 26, 1948; then 924.4, from levels by Albert A. Webb.

Use--Irrigation.

Depth of well--327 feet.

Diameter of casing--20 inches.

Other numbers used--Riverside Water Company Flume Well No. 5; Location No. 17974

Date	Dist.R.P. to water surface, Feet	Date	Dist.R.P. to water surface, Feet	Date	Dist.R.P. to water surface, Feet
1928		1930		1931	
June 23 a	51.0	Jan. 4	57.0	Apr. 25	31.1
July 28 a	51.0	Feb. 1	30.6	May 30	33.1
Sep. 9	62.0	Mar. 8	16.7	July 18 a	78.0
		Apr. 5	14.8	Sep. 5	75.0
1929		May 10	17.6	Oct. 3	66.0
		May 24	15.6	Nov. 7	65.0
June 1 a	52.0	July 5 a	72.0	Nov. 28	54.0
July 6 a	55.0	Sep. 13	56.0		
Aug. 24 a	90.0	Oct. 11	56.0	1932	
Sep. 28	58.0	Dec. 6	42.0	Jan. 9	36.1
Oct. 26	56.0	Dec. 27	42.0	Feb. 6	27.1
Nov. 30	54.0			Mar. 5	14.0
Dec. 14	55.0				

a Pumping level.

Measts. from Riverside Water Company.

E-80-H-27, RIVERSIDE WATER COMPANY. MAP 7
(continued)

Date	: Dist.R.P. : to water : surface, : Feet	Date	: Dist.R.P. : to water : surface, : Feet	Date	: Dist.R.P. : to water : surface, : Feet
1932		1935		1938	
Apr. 3	17.0	Mar. 16	30.5	Jan. 7	44.3
May 14	38.0	Apr. 13	25.8	Feb. 4	38.0
July 30	a 69.0	May 11	38.0	Feb. 25	28.5
Oct. 1	66.0	July 20	a 74.7	Apr. 4	9.5
Oct. 29	61.7	Sep. 21	75.2	May 6	7.7
Nov. 26	59.0	Oct. 26	77.5	June 4	7.6
Dec. 31	48.5	Nov. 30	75.4	July 8	15.4
		Dec. 28	72.8	Sep. 9	30.8
1933		1936		Oct. 7	33.2
Jan. 28	39.9	Jan. 17	68.0	Nov. 4	31.7
Feb. 25	28.8	Feb. 14	63.0	Dec. 2	31.5
Mar. 25	35.7	Mar. 13	48.9	1939	
Apr. 22	44.3	Apr. 10	50.1	Jan. 5	20.0
May 20	43.3	July 17	93.4	Feb. 3	10.7
Aug. 12	a 99.0	Oct. 16	87.8	Mar. 3	8.0
Nov. 4	67.0	Nov. 20	69.8	Apr. 7	7.6
Dec. 9	68.7	Dec. 18	67.4	May 12	14.6
1934		1937		June 9	21.9
Jan. 6	57.4	Jan. 15	56.5	Sep. 15	39.2
Feb. 3	44.9	Feb. 12	49.5	Oct. 13	35.5
Mar. 3	40.2	Mar. 12	37.1	Nov. 10	34.8
Apr. 7	52.0	Apr. 16	13.5	Dec. 8	32.8
July 14	a 103.0	May 14	7.0	1940	
Oct. 20	68.0	June 18	12.7	Jan. 5	29.0
Nov. 24	71.5	July 23	30.5	Feb. 2	18.0
Dec. 22	58.7	Sep. 10	43.8	Mar. 1	9.9
1935		Oct. 8	47.9	Apr. 5	9.6
Jan. 19	47.1	Dec. 10	53.1	May 3	13.4
Feb. 16	38.4			July 12	30.0

a Pumping level

Measts. from Riverside Water Company,

E-80-H-27, RIVERSIDE WATER COMPANY. MAP 7
(continued)

Date	: Dist.R.P. : to water : surface, Feet	Date	: Dist.R.P. : to water : surface, Feet	Date	: Dist.R.P. : to water : surface, Feet
1940		1943		1945	
Aug. 9	33.6	Jan. 29	9.6	Aug. 17	21.1
Sep. 13	40.0	Mar. 3	6.8	Sep. 14	22.5
Oct. 11	37.8	Apr. 9	7.7	Oct. 12	22.4
Nov. 8	36.0	May 7	6.8	Nov. 16	19.3
Dec. 6	31.0	June 11	10.5	Dec. 21	16.2
1941				1946	
Jan. 10	16.7	July 9	15.1	Jan. 25	7.3
Feb. 14	9.1	Oct. 19	33.1	Feb. 23	6.4
Mar. 14	6.2	Nov. 19	30.5	Mar. 22	8.0
Apr. 11	5.8	Dec. 17	17.8	Apr. 26	6.5
May 9	6.0	1944		May 24	10.7
June 6	7.8	Jan. 19	7.4	July 5	17.4
July 4	10.5	Feb. 19	7.4	Aug. 9	27.9
Aug. 1	16.2	Mar. 17	6.5	Sep. 20	32.1
Sep. 7	18.4	Apr. 21	7.9	Oct. 18	28.1
Oct. 10	19.5	May 19	7.8	Nov. 22	16.2
Nov. 14	10.0	June 23	11.8	Dec. 27	8.1
Dec. 12	7.4	July 21	16.0	1947	
1942		Aug. 18	23.0	Jan. 24	6.2
Jan. 9	6.6	Sep. 22	24.8	Feb. 28	6.8
Feb. 6	6.4	Oct. 27	23.5	Mar. 28	7.0
Mar. 6	6.5	Dec. 1	9.1	Apr. 25	12.0
Apr. 3	7.5	1945		May 31	14.1
May 8	7.7	Jan. 5	7.0	July 5	21.2
June 12	13.0	Feb. 5	6.1	Sep. 12	48.3
Aug. 14	25.7	Mar. 9	5.7	Oct. 10	36.6
Sep. 18	27.8	Apr. 13	5.8	Nov. 14	33.5
Oct. 16	26.0	May 11	10.0	Dec. 12	26.0
Nov. 20	24.4	June 8	11.7		
Dec. 25	26.8	July 13	15.3		

Measts. from Riverside Water Company.

E-80-H-27, RIVERSIDE WATER COMPANY. MAP 7
(continued)

: Dist.R.P. : to water : surface, Date : Feet		: Dist.R.P. : to water : surface, Date : Feet		Dist.R.P. to water surface, Date Feet	
1948		1950		1952	
Jan. 16	17.0	Jan. 13	33.1	Jan. 26	40.5
Feb. 20	10.4	Feb. 17	17.8	Feb. 26	33.9
Mar. 20	8.1	Mar. 17	16.8	Mar. 22	21.9
Apr. 23	11.9	Apr. 14	22.0	Apr. 26	18.0
May 28	20.0	May 5	35.6	July 18	a 82.8
Sep. 24	47.3	Sep. 22	61.0	Oct. 24	64.8
Oct. 22	42.0	Oct. 20	60.1	Nov. 14	63.2
Nov. 26	42.9	Nov. 24	64.6	Dec. 19	49.6
Dec. 24	39.8	Dec. 29	53.7		
1949		1951			
Jan. 28	19.6	Jan. 26	47.7		
Mar. 4	10.1	Feb. 23	40.3		
Apr. 1	11.8	Mar. 23	40.7		
May 6	23.3	Apr. 21	49.6		
June 3	29.5	May 18	46.5		
July 22	45.7	Aug. 31	73.2		
Aug. 26	51.9	Oct. 19	79.2		
Sep. 23	57.3	Nov. 23	75.5		
Nov. 11	64.0	Dec. 23	63.1		
Dec. 16	45.7				

a Pumping level.

Measts. from Riverside Water Company.

Log available

Location and description--Approximately 600 feet west of Michigan Ave., 500 feet north of De Berry St., south of Colton.

Reference point--Pump house floor.

Elevation of reference point--976.4, from levels by E. N. Webb.

Use--Irrigation.

Depth of well--266 feet.

Diameter of casing--20 inches.

Other numbers used--Location No. 17976

Date	: Dist.R.P. : to water : surface, : Feet	Date	: Dist.R.P. : to water : surface, : Feet	Date	: Dist.R.P. : to water : surface, : Feet
1920		1928		1930	
Dec. 4	95.2	July 18	120.9	Sep. 30	127.7
		Aug. 15	123.8	Nov. 1	127.7
1921		Sep. 18	127.8	Nov. 30	126.6
		Oct. 10	128.4	Dec. 31	124.3
Jan. 4	94.0				
Feb. 4	92.4	1929		1931	
Mar. 7	91.2	Mar. 6	104.7	Feb. 7	118.7
Apr. 5	90.0	May 5	123.1	Mar. 14	114.3
May 7	93.8	June 9	109.3	Apr. 16	118.0
June 11	92.1	July 12	131.7	May 27	119.1
July 12	96.1	Aug. 15	135.8	July 9	141.0
Aug. 5	94.2	Sep. 18	140.4	Aug. 23	124.1
Oct. 1	101.6	Oct. 17	123.1	Oct. 3	130.1
		Nov. 15	124.3	Nov. 6	129.2
1927				Dec. 10	126.7
July 21	103.6	1930			
Aug. 19	107.0	Jan. 31	119.5	1932	
Sep. 14	108.2	Feb. 27	117.0	Jan. 22	121.6
		Apr. 1	111.5	Feb. 25	117.0
1928		May 12	113.8	Mar. 28	112.5
		June 16	130.6	Apr. 28	132.4
Apr. 17	100.1	July 16	134.1	May 25	133.9
May 17	101.3	Sep. 1	122.6	June 27	137.3
June 16	116.8				

Measts. from A. A. Webb.

E-82-I-27, GAGE CANAL COMPANY-DE BERRY ST. WELL. MAP 7
(continued)

Date	: Dist.R.P. : to water : surface, Feet	Date	: Dist.R.P. : to water : surface, Feet	Date	: Dist.R.P. : to water : surface, Feet
1932		1935		1937	
July 27	142.1	Jan. 31	135.3	July 30	140.3
Aug. 29	146.7	Feb. 28	131.7	Sep. 14	145.4
Sep. 26	148.0	Mar. 31	128.5	Oct. 29	129.3
Oct. 31	128.7	May 7	146.3	Nov. 30	127.9
Nov. 29	130.2	June 6	148.3	Dec. 30	126.7
Dec. 30	128.5	July 9	151.5		
1933		Aug. 12	158.3	1938	
Jan. 31	125.0	Sep. 16	166.1	Jan. 29	125.3
Mar. 17	121.2	Oct. 31	144.2	Mar. 7	121.5
Apr. 29	123.4	Dec. 2	143.7	Apr. 20	113.8
May 27	141.3	Dec. 31	142.2	May 31	110.4
June 30	128.2			July 11	110.7
July 31	148.9	1936		Sep. 4	135.2
Aug. 30	152.8	Jan. 31	140.8	Oct. 20	114.4
Sep. 30	136.5	Mar. 3	137.7	Nov. 30	114.9
Oct. 31	137.2	Apr. 4	135.5	Dec. 31	112.1
Nov. 30	139.2	May 5	156.4	1939	
Dec. 29	133.5	June 5	162.1	Jan. 31	108.4
1934		July 5	167.0	Mar. 4	104.5
Jan. 31	131.7	Aug. 5	172.1	Apr. 8	101.6
Feb. 28	125.5	Sep. 5	177.8	Apr. 30	102.9
Mar. 29	147.8	Oct. 5	181.5	June 1	104.2
May 1	150.1	Nov. 28	148.0	July 1	127.4
June 5	155.9	Dec. 31	144.4	Aug. 1	131.3
July 7	162.9			Sep. 1	134.9
Aug. 10	167.3	1937		Oct. 7	111.3
Sep. 13	172.1	Jan. 29	141.0	Nov. 10	111.2
Nov. 1	144.8	Feb. 29	136.3	Dec. 16	109.8
Dec. 2	142.8	Mar. 27	131.4		
Dec. 29	139.3	Apr. 28	124.6		
		May 28	121.9		
		June 25	119.2		

Measts. from A. A. Webb.

E-82-I-27, GAGE CANAL COMPANY-DE BERRY ST. WELL. MAP 7
(continued)

Date	: Dist.R.P. : to water : surface, Feet	Date	: Dist.R.P. : to water : surface, Feet	Date	: Dist.R.P. : to water : surface, Feet
1940		1943		1946	
Jan. 20	107.7	Jan. 30	97.8	Jan. 15	96.0
Feb. 24	104.1	Mar. 6	94.6	Feb. 16	92.9
Mar. 16	101.7	Apr. 10	92.4	Mar. 23	113.2
Apr. 20	99.8	May 15	111.4	Apr. 27	92.3
May 25	121.6	June 19	113.7	June 1	114.0
June 29	124.2	July 31	98.7	July 1	116.8
Aug. 3	126.8	Sep. 4	120.0	Aug. 1	120.5
Aug. 31	108.7	Oct. 16	103.5	Sep. 1	123.5
Oct. 1	131.8	Nov. 20	103.1	Oct. 1	126.0
Nov. 1	110.4	Dec. 18	101.7	Nov. 2	104.4
Dec. 7	108.2			Dec. 14	98.8
1941		1944		1947	
Jan. 11	105.6	Jan. 22	97.4	Jan. 18	96.4
Feb. 15	101.5	Feb. 26	94.4	Mar. 1	93.3
Mar. 15	98.8	Mar. 27	92.7	Apr. 15	94.5
Apr. 26	96.0	Apr. 29	94.0	May 19	96.1
May 31	114.6	May 31	111.3	June 15	113.5
July 5	116.4	July 1	114.2	July 15	117.0
Aug. 9	118.6	Aug. 5	118.8	Aug. 15	120.5
Oct. 13	101.6	Sep. 9	122.6	Sep. 15	106.6
Nov. 15	98.1	Oct. 11	100.6	Oct. 18	107.8
Dec. 20	95.4	Dec. 2	98.0	Nov. 15	107.7
1942		1945		1948	
Jan. 24	93.5	Jan. 6	94.7	Jan. 17	103.8
Feb. 28	92.4	Feb. 10	92.3	Feb. 22	102.0
Mar. 28	91.6	Mar. 10	90.8	Mar. 27	99.9
Apr. 25	91.5	Apr. 14	89.5	May 1	117.0
May 30	111.7	May 19	111.5	June 5	119.4
July 3	114.2	June 23	113.9	July 10	123.7
Aug. 1	117.6	July 30	118.3	Aug. 14	129.6
Aug. 31	100.5	Sep. 1	121.1	Sep. 18	133.2
Oct. 17	101.7	Oct. 6	123.0	Oct. 16	112.8
Nov. 21	101.3	Nov. 17	99.4	Nov. 27	111.3
Dec. 26	99.7			Dec. 27	108.8

Measts. by A. A. Webb.

E-82-I-27, GAGE CANAL COMPANY-DE HERRY ST. WELL. MAP 7
(continued)

Date	: Dist.R.P. : to water : surface, Feet	Date	: Dist.R.P. : to water : surface, Feet	Date	: Dist.R.P. : to water : surface, Feet
1949		1951		1952	
Jan. 29	106.5	Jan. 27	115.3	Mar. 22	116.8
Mar. 5	101.1	Mar. 3	113.2	Apr. 20	112.0
Apr. 2	98.3	Apr. 17	114.2	May 25	112.6
Apr. 30	96.1	May 16	115.2	June 29	134.0
May 31	102.4	June 1	114.7	July 26	137.5
July 2	126.8	July 31	124.5	Aug. 23	143.6
Aug. 6	130.8			Sep. 30	126.1
Sep. 10	134.7			Nov. 29	126.0
Oct. 17	115.3			Dec. 29	123.2
Nov. 19	114.9				
Dec. 31	112.7				
1950					
Feb. 11	107.9				
Mar. 11	103.7				
Apr. 15	103.2				
May 27	124.6				
July 1	128.6				
Aug. 5	134.3				
Sep. 16	138.9				
Oct. 23	141.4				
Nov. 25	118.5				
Dec. 29	116.5				

Measts. by A. A. Webb.

Records of Ground Water Levels at Wells
in San Jacinto Valley

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1952			1952		
3S4W36A 1495.0	Jan. 14	127.7	3S3W29A 1496.5	Jan. 14	155.3
3S3W6A 1620.	Jan. 14	172.8	3S3W30A 1503.3	Jan. 14	79.8
3S3W6B 1650.5	Jan. 14	187.4	3S3W30B 1494.0	Jan. 14	133.4
	Apr. 1	184.6	3S3W31A 1479.5	Jan. 18	131.2
	May 7	192.8		Feb. 2 a	130.5
	June 6	222.9		Apr. 1	128.9
	Aug. 4	217.5		May 7	128.4
	Oct. 15	216.7		June 6	128.4
3S3W7B 1591.2	Jan. 14	128.8		Aug. 4	128.4
	Apr. 1	127.8	3S3W31B 1472.	Oct. 15	128.2
	May 7	132.9			
	June 6	133.6			
	Aug. 4	135.3			
	Oct. 15	136.8			
3S3W8A 1613.4	Jan. 14	149.2	3S3W32A 1464.	Jan. 19	191.8
3S3W12A 1601.0	Jan. 24	137.0	3S2W7A 1590.7	Jan. 24	105.8
3S3W13A 1596.4	Jan. 25	131.5	3S2W8A 1676.5	Jan. 24	149.6
	Apr. 2	129.6	3S2W21A 1441.7	Jan. 24	13.7
	May 9	133.0			
	June 10	153.4			
3S3W15A 1550.2	Jan. 18	109.8	3S2W26A 1460.	Jan. 24	44.0
3S3W18A 1555.	Jan. 14	85.4	3S2W26B 1428.7	Jan. 24	61.2
	May 7	85.5		Feb. 8 a	59.4
	Aug. 4	86.9	3S2W29A 1427.6	Apr. 2	15.0
	Oct. 15	85.9		June 10	15.7
3S3W19C 1508.4	Jan. 14	56.1		Aug. 6	16.3
				Oct. 17	16.6
			3S2W35A 1429.3	Jan. 8 b	48.6
				Jan. 24	38.8

a Meas. from D.W.R.
 b Meas. from U.S.G.S.
 Measts. from Riv. Co. F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1952		
4S4W1A 1504.7	Jan. 14	49.0
4S3W2A 1540.5	Jan. 15	49.7
4S3W3A 1495.	Jan. 15	164.2
4S3W6A 1478.	Jan. 15	225.5
4S3W9A 1446.0	Jan. 15 Apr. 1 May 7 Aug. 4 Oct. 15	166.7 164.6 166.6 169.4 172.3
4S3W10A	Jan. 15	172.1
4S3W18A	Jan. 15 Apr. 1 May 7 June 6 Aug. 4 Oct. 15	121.7 121.5 122.5 125.0 124.1 128.1
4S3W19A 1477.9	Jan. 15 Apr. 1 May 7 June 6 Aug. 4 Oct. 15	82.1 84.1 85.5 85.2 85.8 84.1
4S3W20B	Jan. 15	222.4
4S3W24A 1437.6	Feb. 1 a	132.8
4S3W24B 1432.	Feb. 1 a	125.3
4S3W24C 1442.2	Jan. 22 Feb. 1 a Apr. 2 May 9	136.5 136.0 134.0 135.4

1952		
4S3W24C Cont.	June 10 Aug. 6 Oct. 17	138.2 141.9 145.4
4S3W26A	Feb. 1 a	126.1
4S3W31A 1490.	Jan. 18 Feb. 2 a May 7 June 6 Aug. 4 Oct. 15	45.7 44.8 43.3 43.8 43.1 42.9
4S3W32A 1434.8	Jan. 15 Apr. 1 May 7 June 6 Aug. 4 Oct. 15	70.6 69.0 72.2 75.6 70.4 70.0
4S3W35A 1424.1	Feb. 1 a	133.9
4S2W1A 1436.7	Feb. 1	9.0
4S2W2C 1430.7	Jan. 23 May 9 June 9 Aug. 5 Oct. 17	35.0 41.4 47.7 49.8 48.9
4S2W3A 1436.4	Jan. 23	55.2
4S2W7A 1445.2	Jan. 8 b Jan. 31 a Feb. 29 b Mar. 25 b Apr. 25 b June 2 b	99.8 99.2 98.3 93.3 96.5 99.1
4S2W8B 1457.6	Feb. 1 a	115.1

a Meas. by D.W.R.

b Meas. from U.S.G.S.

Measts. from Riv. Co. F.C.D. except as noted.

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1952

4S2W9A 1444.0	Jan. 23	a	99.3
4S2W17A 1495.	Feb. 1		158.8
4S2W18B 1462.6	Feb. 1		135.0
4S2W18D 1505.0	Feb. 1		179.6
4S2W19A	Jan. 22	a	20.2
	Feb. 1		20.4
4S1W7B 1449.1	Feb. 8		4.1
	June 20		7.0
4S1W15B 1492.	Feb. 1	a	48.1
	Mar. 31	b	44.4
4S1W17A 1455.4	Feb. 5	b	4.3
	Mar. 31	b	4.6
4S1W17B 1457.5	Feb. 5	b	2.6
	Mar. 31	b	3.4
4S1W17D 1464.4	Feb. 5	b	2.4
	Mar. 31	b	3.0
4S1W18A 1450.0	Feb. 1	a	7.0
	Apr. 2	a	5.8
	May 8	a	8.7
	June 9	a	9.4
	Aug. 5	a	10.2
	Oct. 17	a	10.9
4S1W19A 1458.8	Feb. 8		17.6
4S1W20A 1478.8	Feb. 5	b	9.8
	Mar. 31	b	9.1

1952

4S1W21A 1473.6	Feb. 5	b	4.1
	Mar. 31	b	2.9
	June 13	b	4.2
4S1W21B 1491.2	Feb. 5	b	9.3
	Mar. 31	b	7.8
4S1W22A 1508.6	Jan. 10		47.3
4S1W22B 1506.0	Jan. 10		11.8
	June 13		6.4
4S1W22C	Jan. 30		16.5
	June 13		5.6
4S1W23A 1551.2	Feb. 5	b	86.5
4S1W25A 1566.	Feb. 5	b	104.1
	Apr. 16	a	104.0
	May 8	a	105.9
	June 9	a	113.1
	Aug. 5	a	112.9
	Oct. 17	a	122.2
4S1W29B 1502.0	Jan. 10		55.0
4S1W32B 1527.5	Jan. 28		81.1
	Mar. 27		79.0
4S1W33A 1520.9	Jan. 30		72.2
4S1W33E 1533.8	Jan. 31		77.5
	Mar. 27		85.4
4S1W35A 1584.1	Jan. 10		122.9
	Mar. 31		119.9
	May 2		122.6
5S3W1A *1529.6	Jan. 30		26.0

* Correction to previous bulletins: R.P. elev. 1530 through Jan. 22, 1948; then 1529.6

a Meas. from Riv. Co. F.C.D.

b Meas. from M.W.D.

Measts. by D.W.R. except as noted.

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

Well Number :	Dist.R.P. :
and :	to water :
R.P. Elev. :	surface, :
Date :	Feet :

1952		
5S3W2A	Jan. 30	33.4
5S3W2B	Jan. 30	92.8
5S3W2C	Jan. 30	172.9
5S3W3A	Jan. 30	149.2
5S3W5A 1415.2	Jan. 30	28.3
5S3W5B 1413.5	Jan. 30	146.9
5S3W6A	Jan. 30	50.9
5S3W6B	Jan. 30	38.8
5S3W7A	Jan. 24	18.2
5S3W7B	Jan. 30	17.9
5S3W8A 1412.4	Jan. 24	135.9
5S3W9B 1414.1	Jan. 29	136.1
5S3W10A 1423.5	Jan. 31	149.8
5S3W11B 1482.6	Jan. 30	213.5
5S3W13A 1474.2	Jan. 24	42.3
5S3W14A 1446.2	Jan. 24	89.8
5S3W16A 1423.3	Jan. 24	147.2
5S 3W17A *1444.3	Jan. 24	156.2

1952		
5S3W17B 1444.3	Jan. 30	108.2
5S3W24A 1460.3	Jan. 24	51.1
5S3W24B 1465.7	Jan. 24	65.9
5S3W24C *1456.9	Jan. 24	56.6
5S3W25A 1447.0	Jan. 22	36.7
5S3W27A *1525.2	Jan. 23	24.6
5S3W29B *1429.7	Jan. 23	118.1
5S3W33D 1420.1	Jan. 23	80.5
5S3W34A 1416.8	Jan. 23 a	
5S3W34C 1417.4	Jan. 23	72.6
5S3W35A 1423.3	Jan. 22	66.0
5S3W36A 1430.9	Jan. 22	55.5
5S3W36C 1424.8	Jan. 22	65.7
5S3W36D 1449.3	Jan. 21	43.2
5S2W7A 1542.4	Jan. 29	185.4

* New elev. R.P. changed.
a Dry at 71.6 ft.
Measts. by D.W.R.

Well Number and R.P. Elev.	Date	Dist.R.P. : to water : surface, Feet
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1952

5S2W7B 1531.3	Jan. 29	179.6
5S2W12A 1507.5	Jan. 11	36.7
5S2W12B 1501.1	Jan. 11	46.8
5S2W17A	Jan. 11	48.6
5S2W17B	Jan. 11 a	
5S2W22B 1512.9	Jan. 17	54.9
5S2W22C 1503.8	Jan. 17	50.2
5S2W24A 1495.2	Jan. 10	49.8
5S2W24B 1499.8	Jan. 10	45.6
5S2W24C 1500.	Jan. 10	48.2
5S2W24D	Jan. 10	64.4
5S2W25B 1486.6	Jan. 15	98.5
5S2W27E 1476.9	Jan. 17	43.9
5S2W32A 1458.4	Jan. 17	29.3
5S2W32C 1455.0	Jan. 17	27.8
5S2W33A 1460.1	Jan. 21	32.8

Well Number and R.P. Elev.	Date	Dist.R.P. : to water : surface, Feet
----------------------------------	------	---

1952

5S2W35C 1474.8	Jan. 15	73.5
5S2W35D 1471.0	Jan. 15	64.6
5S2W36A	Jan. 22	84.4
5S1W1A 1624.8	Jan. 13	125.5
5S1W3A 1546.6	Jan. 14	64
5S1W3C 1549.6	Feb. 5 b	91.8
5S1W4A 1538.8	Jan. 15 Mar. 27	88.0 88.8
5S1W4D 1538.0	Jan. 14 Mar. 26	86.0 89.6
5S1W5A 1519.3	Mar. 26 June 19	49.7 53.9
5S1W5B 1528.2	Jan. 15 Mar. 27	80.3 82.9
5S1W7A 1505.	Jan. 11	31.5
5S1W7B 1510.7	Jan. 11	41.0
5S1W7C 1505.8	Jan. 11	43.3
5S1W9A 1542.0	Feb. 5 b Mar. 26	97.6 96.7
5S1W10B	Jan. 15 Mar. 26	136.3 132.6

a Dry at 31 ft.

b Meas. from M.W.D.

Measts. by D.W.R. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 Feet

1952

1952

5S1W14B Apr. 2 a 203.0
 1640.2

5S1E7A Apr. 4 a 242.0
 1726.3 June 9 a 245.5

5S1W17B Jan. 9 84.1
 1522.1

5S1E9D Apr. 1 a 74.6
 1759.8 May 8 a 73.6

5S1W18A Jan. 10 67.1
 1511.5

June 9 a 74.5
 Aug. 5 a 88.6
 Oct. 16 a 72.6

5S1W18C Jan. 10 70.0

5S1E14A Apr. 1 a 173.4
 1890. May 8 a 163.2

5S1W19A Jan. 10 82.2
 1515.5

June 9 a 164.2
 Oct. 16 a 154.6

5S1W19C Jan. 10 54.1
 1512.3

5S1E17C Feb. 5 b 299.9
 1803.9

5S1W20A Jan. 10 96.8
 1528.7

6S3W2B Jan. 21 63.0
 1425.5

5S1W20D Jan. 10 83.8
 1527.

6S3W3A Jan. 21 70.1
 1428.3

5S1W28A Jan. 9 31.3
 1568.7

6S3W4A Jan. 23 67.3
 1438.3 June 6 a 65.9

5S1W30A Jan. 15 109.8
 1501.

Oct. 15 a 64.9

6S3W12A Jan. 22 69.1
 1429.5

5S1W30B Jan. 15 101.6
 1503.7

6S2W5A Jan. 22 79.8
 1441.

5S1W34B Jan. 8 74.1
 Apr. 1 a 75.2
 May 7 a 75.5
 June 6 a 75.8
 Aug. 4 a 76.7
 Oct. 14 a 77.1

6S2W6B Jan. 21 76.2
 1438.5 Apr. 1 a 79.0

6S1W10A Jan. 8 81.0
 1710.

5S1E6A Feb. 28 174.3
 1650.5

a Meas. from Riv. Co. F.C.D.

b Meas. from M.W.D.

Measts. by D.W.R. except as noted.

Records of Ground Water Levels at Wells
in Antelope Valley



Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

Well Number :	Dist.R.P.
and :	to water
R.P. Elev. :	surface,
Date :	Feet

1952

1952

5N9W6A Nov. 24 a 51.3
2847.3

6N8W18A Dec. 3 163.9
2725.

5N9W20A Nov. 9 262.4
3166.

6N8W32A Nov. 15 187.9
2955.7

5N10W6A May 1 b 113.6
2777. June 4 b 113.4
July 10 b 114.0
Aug. 6 b 113.0
Sep. 8 b 113.3
Nov. 14 b 111.4

6N9W31A Jan. 30 43.0
2832. Feb. 28 42.5
Mar. 28 43.4
Apr. 24 44.6
May 27 42.3
June 27 41.2
July 31 39.0
Aug. 28 37.6
Sep. 30 38.4
Oct. 30 41.0
Nov. 24 41.0
Dec. 31 40.9

5N10W7A Nov. 14 b 145.2
2817.

5N10W26A Nov. 24 41.7
3155.

5N11W4A Nov. 17 b 173.2
2695.

6N10W9B Nov. 24 195.3
2576.3

5N11W9A Nov. 17 b 55.8
2858.

6N10W9C Nov. 24 155.9
2598.5

5N11W10A July 10 b 108.2
2836. Aug. 6 b 108.3
Sep. 8 b 108.8
Nov. 14 b 109.4

6N10W10A Nov. 24 78.9
2614.

5N11W12B Nov. b 157.4
2834.

6N10W20A Jan. 30 210.1
2637.6 Feb. 28 209.1
Mar. 28 208.0
Sep. 30 216.7
Oct. 30 219.5
Nov. 24 216.6
Dec. 31 211.0

5N11W12C Nov. 17 b 178.1
2842.

5N11W13B Nov. 14 b 239.4
2913.

6N11W4A Nov. 25 217.2
2481.

a Meas. from U.S.G.S.

b Meas. from L.A. Co. F.C.D.

Measts. by U.S.G.S. from L.A. Co. F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : Feet

1952		
6N11W8G 2512.	Nov. 15	219.5
6N11W9A 2505.5	Nov. 15	224.0
6N11W12A 2541.	Nov. 25 a	233.7
6N11W12C 2552.	Nov. 25	226.3
6N11W18B 2562.	Nov. 25	256.2
6N11W20A 2581.	Dec. 14 a	263.7
6N11W33B 2683.	Nov. 28 a	136.8
6N12W24A 2587.	May 1 a June 6 a July 8 a Aug. 6 a Sep. 8 a Nov. 17 a	275.1 255.8 278.2 280.4 283.0 283.3
6N13W12A 2607.5	Nov. 21 a	254.7
7N10W21A 2465.3	Nov. 25	188.4
7N10W30A 2488.	Nov. 25	223.2
7N10W31A 2506.	Nov. 25	232.7
7N11W19A 2430.	Nov. 25	170.5
7N11W23B 2439.	Nov. 25	162.6

1952		
7N11W24A 2433.	Jan. 30 b Feb. 28 b Apr. 1 b May 1 b May 27 b June 27 b July 31 b Aug. 28 b Sep. 30 b Oct. 30 b Nov. 25 b Dec. 31 b	168.0 167.0 168.2 168.2 170.8 173.6 178.0 181.8 182.1 179.7 176.4 173.6
7N11W27A 2454.0	Nov. 25	193.8
7N11W28B 2448.7	Nov. 25	162.4
7N11W28D 2440.8	Nov. 25	193.1
7N12W4B 2312.8	May 1 a Aug. 19 a	4.7 7.5
7N12W8A 2317.	Nov. 13 a	33.4
7N12W15C 2348.5	May 2 a June 4 a Aug. 1 a Oct. 1 a Nov. 12 a	75.0 75.8 78.3 81.2 80.0
7N12W15D 2355.5	Nov. 18 a	76.7
7N12W22B 2412.	May 19 a June 4 a July 8 a Aug. 6 a Oct. 1 a Nov. 12 a	132.8 133.6 137.5 138.3 140. 138.2

a Meas. from L.A. Co. F.C.D.
 b Meas. from U.S.G.S.

Measts. by U.S.G.S. from L.A. Co. F.C.D. except as noted.

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

Well Number : : Dist.R.P.
 and : : to water
 R.P. Elev. : Date : surface,
 : : Feet

1952		
7N12W29A 2449.	Nov. 18	168.5
7N12W11A 2354.	Nov. 13	16.4
7N13W11B 2356.	Nov. 13	7.0
7N13W17A 2421.7	Nov. 20	148.3
7N13W21C 2373.	Nov. 21	127.3
7N13W27A 2421.	Nov. 24	181.6
7N13W35A 2443.6	Dec. 24	230.9
7N14W10A 2558.	Apr. 30	216.0
8N9W4B 2305.5	Dec. 2 a	28.3
8N9W4I 2294.	Dec. 2 a	18.1
8N9W6D 2304.	Dec. 2	15.4
8N10W2A 2310.	Dec. 2 a	29.5
8N10W19A 2342.5	Nov. 26	116.9
8N12W4B 2307.7	Nov. 12	28.1
8N12W20A 2319.	Nov. 12	38.0

1952		
8N12W22A 2301.5	Apr. 18	9.6
	May 19	10.2
	June 11	14.4
	July 8	19.5
8N12W22B 2302.	Nov. 12	25.2
8N12W22C 2301.	Nov. 12	27.2
8N12W22D 2301.5	Nov. 13	46.4
8N12W24A 2310.	Dec. 2 b	20.8
8N12W30A 2322.5	Dec. 4	36.4
8N12W30B 2324.	Nov. 13	31.8
8N13W7A 2442.	Nov. 20	151.6
8N13W22A 2385.5	Nov. 19	102.2
8N13W23A 2376.	Nov. 17	102.4
8N14W2B 2494.5	Nov. 24	188.8
8N14W12A 2472.	Nov. 20	170.6
8N14W12B 2482.5	Nov. 24	177.5
8N14W14A 2495.	Nov. 24	185.3

a Meas. by U.S.G.S. from L.A. Co. F.C.D.

b Meas. from U.S.G.S.

Measts. from L.A. Co. F.C.D. except as noted.

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	Feet

Well Number :	Dist.R.P. :	
and :	to water :	
R.P. Elev. :	surface, :	Feet

1952

8N15W36A 2786.5'	Nov. 19	89.9
8N16W5A 2901.	Apr. 30 Aug. 20 Nov. 19	198.8 199.0 198.6
8N16W18A 2995.	Nov. 20	105.7

1952

9N13W20A 2420.	May 1	102.4
9N13W35A 2378.1	Nov. 13	100.5
9N14W24A 2493.	Dec. 4	126.2
9N14W24B 2490.	Dec. 4	136.9

Measts. from L.A. Co. F.C.D.

CHAPTER IV. PRECIPITATION RECORDS

Monthly records of precipitation for ten United States Weather Bureau stations and annual records for approximately 260 other stations in the area are presented herewith.



MONTHLY PRECIPITATION RECORDS
AT SELECTED STATIONS IN SOUTHERN CALIFORNIA
PUBLISHED BY U. S. WEATHER BUREAU

Precipitation in Inches

<u>Season and Month</u>	<u>413 Long Beach</u>	<u>2754F Los Angeles</u>	<u>3290 Claremont</u>	<u>4142A Sierra Madre</u>	<u>4832A San Fernando</u>
<u>1951-52</u>					
July	T	T	0.02	T	0.03
Aug.	0.16	0.15	0.01	0.33	0.19
Sep.	T	0	0.43	0	0
Oct.	0.21	0.59	0.51	0.99	0.53
Nov.	0.72	1.29	1.27	2.65	1.30
Dec.	3.52	5.80	7.81	8.16	6.10
Jan.	7.33	10.03	8.09	14.04	11.60
Feb.	0.42	0.63	0.59	1.00	0.47
Mar.	4.46	6.14	9.03	8.98	10.37
Apr.	1.43	1.58	2.16	3.22	1.80
May	0	T	0	0	0
June	T	T	0	0.12	0
TOTALS	18.25	26.21	29.92	39.49	32.39

14552 <u>Santa Ana</u>	15933 <u>Corona</u>	17004 <u>Riverside</u>	17417 <u>Beaumont</u>	18826 <u>San Bernardino (near)</u>
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<u>1951-52</u>					
July	0	0	T	0.28	0.03
Aug.	0.24	0.06	0.02	0.38	0.03
Sep.	0.28	0.31	0.18	0.26	0.22
Oct.	0.53	0.53	0.52	0.95	0.70
Nov.	0.65	0.44	---	0.79	1.42
Dec.	5.75	6.24	5.49	6.02	7.10
Jan.	9.86	5.11	5.08	6.53	6.40
Feb.	0.56	0.49	0.24	0.33	0.53
Mar.	6.56	3.31	3.88	5.68	5.53
Apr.	1.40	1.11	1.61	2.44	1.96
May	0	0	0.01	0	0
June	0	0	0	0	0
TOTALS	25.83	17.60	---	23.66	23.92

T - Less than 0.01 inch.

PRECIPITATION RECORDS FOR SEASON 1951-52

(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in Inches</u>	<u>Source of Information</u>
185	O-6	125	14.08	L.A. Co. F.C.D.
210	N-7	300	18.31	L.A. Co. F.C.D.
327	P-9	10	16.60	U.S.W.B. (San Pedro)
331	N-9	30	19.38	L.A. Co. F.C.D.
401	N-10	40	16.62	L.A. Co. F.C.D.
403	O-10	30	15.91*	L.A. Co. F.C.D.
403A	O-10	30	17.56	L.A. Co. F.C.D.
413	O-10	40	18.25	U.S.W.B. (Long Beach)
452	N-11	15	18.46	L.A. Co. F.C.D.
453	O-11	15	14.81	L.A. Co. F.C.D.
485	O-12	25	16.19	O. Co. F.C.D.
587	P-14	15	18.26	O. Co. F.C.D.
596	O-14	25	18.70	O. Co. F.C.D.
715	M-7	50	17.58	L.A. Co. F.C.D.
864	M-10	195	18.08	L.A. Co. F.C.D.
985	M-12	45	17.93	L.A. Co. F.C.D.
1014	M-12	50	19.17	L.A. Co. F.C.D.
1030	L-13	85	25.66	L.A. Co. F.C.D.
1081	L-14	90	22.74	L.A. Co. F.C.D.
1099	N-14	60	20.97	O. Co. F.C.D.
1137	M-15	105	22.13	O. Co. F.C.D.
1187	M-16	155	24.08	O. Co. F.C.D.
1199	N-16	140	26.03	O. Co. F.C.D.
1241	I-5	10	24.25	L.A. Co. F.C.D.
1288	K-6	135	18.31	L.A. Co. F.C.D.
1343	J-7	120	21.91	L.A. Co. F.C.D.
1444	J-9	120	23.64	L.A. Co. F.C.D.
1482	J-10	165	24.95	L.A. Co. F.C.D.
1502	J-10	145	23.80	L.A. Co. F.C.D.
1546	K-11	105	24.87	L.A. Co. F.C.D.
1552	J-11	140	24.87	L.A. Co. F.C.D.
1565	K-12	120	24.75	L.A. Co. F.C.D.
1604	J-12	140	24.60	L.A. Co. F.C.D.
1661	J-13	365	25.36	L.A. Co. F.C.D.
1700	I-14	860	32.06	L.A. Co. F.C.D.
1706	K-14	250	26.55	L.A. Co. F.C.D.
1750	I-15	465	26.34	L.A. Co. F.C.D.
1757	K-15	285	25.30	O. Co. F.C.D.
1774	J-15	635	30.05	L.A. Co. F.C.D.

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1951-52
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in Inches</u>	<u>Source of Information</u>
1786	K-16	475	27.13	O. Co. F.C.D.
1853	J-17	710	32.34	L.A. Co. F.C.D.
1862	J-17	765	32.06	L.A. Co. F.C.D.
1901	I-18	975	28.70	O. Co. F.C.D.
1906	K-18	850	30.35	O. Co. F.C.D.
1933	J-19	1150	30.24	O. Co. F.C.D.
2401	G-3	745	45.38	L.A. Co. F.C.D.
2445	H-3	95	25.02	L.A. Co. F.C.D.
2508A	I-5	88	26.32	U.S.W.B. (Santa Monica)
2511	G-5	1025	35.77	L.A. Co. F.C.D.
2544	H-5	340	28.08	L.A. Co. F.C.D.
2551	G-6	540	33.85	L.A. Co. F.C.D.
2555	H-5	230	28.02	L.A. Co. F.C.D.
2592	H-6	255	30.38	L.A. Co. F.C.D.
2607	I-7	100	22.67	L.A. Co. F.C.D.
2643	H-7	175	27.26	L.A. Co. F.C.D.
2686	H-8	200	25.34	L.A. Co. F.C.D.
2754	H-9	285	28.13	L.A. Co. F.C.D.
2754F	H-9	312	26.21	U.S.W.B. (Los Angeles)
2755	H-9	260	26.21	L.A. Co. F.C.D.
2870	G-12	485	32.80	L.A. Co. F.C.D.
2875	H-12	375	27.49*	L.A. Co. F.C.D.
2915	H-12	320	27.07	L.A. Co. F.C.D.
2962	G-13	285	27.30	L.A. Co. F.C.D.
3009	I-14	600	28.07*	L.A. Co. F.C.D.
3053	H-15	360	29.09	L.A. Co. F.C.D.
3094	H-16	470	28.53	L.A. Co. F.C.D.
3121	G-16	575	28.95	L.A. Co. F.C.D.
3123	H-16	630	29.44	L.A. Co. F.C.D.
3149A	I-17	530	28.53	L.A. Co. F.C.D.
3155	H-17	770	27.78	L.A. Co. F.C.D.
3160	G-17	805	32.50	L.A. Co. F.C.D.
3190	G-18	1030	27.33	L.A. Co. F.C.D.
3223	H-18	840	28.19	U.S.W.B. (Pomona)
3244	H-19	860	28.23	L.A. Co. F.C.D.
3256	I-19	780	27.73	L.A. Co. F.C.D.
3280	G-19	1165	30.65	L.A. Co. F.C.D.
3290	G-20	1195	29.92	U.S.W.B. (Claremont)
3602	E-3	875	26.92	L.A. Co. F.C.D.

* Partially estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1951-52
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in Inches</u>	<u>Source of Information</u>
3706	F-5	1400	37.54	L.A. Co. F.C.D.
3742	E-5	695	28.63	L.A.D. of W. & P.
3749	G-5	725	33.40	L.A. Co. F.C.D.
3786	F-6	1175	35.77	L.A. Co. F.C.D.
3810	E-7	730	22.39	L.A. Co. F.C.D.
3834	F-7	595	30.66	L.A. Co. F.C.D.
3868	F-8	750	29.92	L.A. Co. F.C.D.
3891	E-8	620	34.02	L.A. Co. F.C.D.
3894	F-8	470	33.60	L.A. Co. F.C.D.
3897	F-8	1025	32.47	L.A. Co. F.C.D.
3906	F-8	1400	32.37	L.A. Co. F.C.D.
3907	F-8	1400	34.30	L.A. Co. F.C.D.
3917	G-9	750	33.37	L.A. Co. F.C.D.
3921A	E-9	1300	34.87	L.A. Co. F.C.D.
3934	F-9	530	33.50	L.A. Co. F.C.D.
3939	G-9	455	31.04	L.A. Co. F.C.D.
3943	E-9	620	33.76	L.A. Co. F.C.D.
4001	E-10	1335	41.54	L.A. Co. F.C.D.
4010	E-10	1155	40.73	L.A. Co. F.C.D.
4023	E-11	1040	38.69	L.A. Co. F.C.D.
4028	G-11	620	33.48	L.A. Co. F.C.D.
4048	G-11	690	32.76	L.A. Co. F.C.D.
4061	E-11	1125	39.46	L.A. Co. F.C.D.
4073	F-12	985	39.65	L.A. Co. F.C.D.
4076	F-12	750	35.95*	L.A. Co. F.C.D.
4087	F-12	670	35.73	L.A. Co. F.C.D.
4092	E-12	1055	34.61	L.A. Co. F.C.D.
4110	E-12	2515	43.82	L.A. Co. F.C.D.
4111	E-12	1385	42.62*	L.A. Co. F.C.D.
4135	F-13	630	34.26	L.A. Co. F.C.D.
4142A	E-13	1120	39.49	L.A. Co. F.C.D.
4152	E-13	1100	38.34	L.A. Co. F.C.D.
4153	E-13	985	38.61	L.A. Co. F.C.D.
4154	F-13	660	36.67	L.A. Co. F.C.D.
4163	F-13	700	35.84	L.A. Co. F.C.D.
4164	F-13	610	35.15	L.A. Co. F.C.D.
4171A	E-14	1440	40.12	L.A. Co. F.C.D.
4195	F-14	600	34.34	L.A. Co. F.C.D.
4212	E-14	1375	41.77	L.A. Co. F.C.D.
4230	E-15	2725	56.24	L.A. Co. F.C.D.

* Partial estimated by comparison with nearby stations.

PRECIPITATION RECORDS FOR SEASON 1951-52
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in inches</u>	<u>Source of Information</u>
4231	E-15	2300	45.62	L.A. Co. F.C.D.
4285	F-16	675	32.85	L.A. Co. F.C.D.
4293	E 16	800	37.44	L.A. Co. F.C.D.
4294	F-16	750	36.02	U.S.W.B. (City of Pasadena Power House)
4296	F-16	600	31.96	L.A. Co. F.C.D.
4296A	F-16	605	31.74	U.S.W.B. (Azusa)
4306	F-16	615	31.49	L.A. Co. F.C.D.
4309	G-16	545	27.28	L.A. Co. F.C.D.
4331	E-16	1210	42.48	L.A. Co. F.C.D.
4336	F-17	785	32.62	L.A. Co. F.C.D.
4346	F-17	820	33.13	L.A. Co. F.C.D.
4354	F-17	1200	33.76	L.A. Co. F.C.D.
4383	E-18	1575	41.41	L.A. Co. F.C.D.
4386	F-17	965	32.87	L.A. Co. F.C.D.
4399	G-18	960	28.93	L.A. Co. F.C.D.
4407	F-18	1110	31.29	L.A. Co. F.C.D.
4407A	G-18	1080	29.26	L.A. Co. F.C.D.
4424	F-18	1350	34.17	L.A. Co. F.C.D.
4433	E-18	1500	36.88	L.A. Co. F.C.D.
4444	F-19	1680	33.99	L.A. Co. F.C.D.
4457	F-19	1435	29.25	L.A. Co. F.C.D.
4517	G-20	1525	32.84	L.A. Co. F.C.D.
4522	E-20	2500	39.42	U.S.W.B. (Mouth of San Antonio Canyon)
4545	F-21	1785	31.78	U.S.W.B. (Upland)
4566	F-21	1605	31.14	Liberty Groves Operating Corporation
4687	D-2	900	27.58	L.A. Co. F.C.D.
4694	C-2	965	29.22	L.A. Co. F.C.D.
4747	D-4	900	28.10	L.A. Co. F.C.D.
4811	C-5	1150	32.66	L.A. Co. F.C.D.
4832	C-5	950	32.39	L.A. Co. F.C.D.
4837	D-5	815	30.25	L.A. Co. F.C.D.
4864	G-6	945	30.02	L.A. Co. F.C.D.
4894	C-6	955	29.17	L.A. Co. F.C.D.
4946	D-7	1000	26.47	L.A. Co. F.C.D.

PRECIPITATION RECORDS FOR SEASON 1951-52
(Season -- July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in Inches</u>	<u>Source of Information</u>
5076	D-10	2325	46.68	L.A. Co. F.C.D.
5109	E-10	1280	41.35	L.A. Co. F.C.D.
5115	D-11	1820	43.03	L.A. Co. F.C.D.
5127	D-11	1490	40.94	U.S.W.B. (Arroyo Seco)
5139	E-11	1180	38.41	L.A. Co. F.C.D.
5144	C-11	2980	42.69	L.A. Co. F.C.D.
5204	C-12	4230	67.15	U.S.W.B. (Opid's Camp)
5247	D-13	5675	56.66	L.A. Co. F.C.D.
5267	D-13	3225	61.70	L.A. Co. F.C.D.
5269	D-13	2600	59.21	L.A. Co. F.C.D.
5446	D-17	1500	44.55	L.A. Co. F.C.D.
5549	D-19	2700	40.56	L.A. Co. F.C.D.
5646	D-21	4320	49.60	U.S.W.B. (Camp Baldy)
5861	A-4	1245	32.50	L.A. Co. F.C.D.
5908	B-5	1225	33.95	L.A. Co. F.C.D.
5922	A-5	1480	35.44	L.A. Co. F.C.D.
5928	B-5	1250	33.00	L.A. Co. F.C.D.
6005	B-7	1700	36.83	L.A. Co. F.C.D.
6289A	B-12	3625	45.81	L.A. Co. F.C.D.
6355	A-13	4300	29.13	U.S.W.B. (Alder Creek)
6558A	B-17	5735	53.55	L.A. Co. F.C.D.
6569	B-17	4650	50.09*	L.A. Co. F.C.D.
6702	A-20	6860	32.41	L.A. Co. F.C.D.
6711	A-20	7500	28.29	L.A. Co. F.C.D.
7017	A-3	1095	23.58	L.A. Co. F.C.D.
13193	Q-14	35	17.52	O. Co. F.C.D.
13301	Q-16	35	18.95	O. Co. F.C.D.
13309	R-16	10	19.56	U.S.W.B. (Newport Beach)
13363	Q-17	65	21.00	O. Co. F.C.D.
13402	Q-18	100	21.17	O. Co. F.C.D.
13406	R-18	300	27.71	O. Co. F.C.D.
13432	Q-19	190	23.11	O. Co. F.C.D.
13480	P-19	445	25.38	O. Co. F.C.D.
13484	Q-19	350	22.49	O. Co. F.C.D.
13499	R-20	375	27.19	O. Co. F.C.D.
13633	Q-22	1100	29.36	O. Co. F.C.D.

* Partially estimated by comparison with nearby stations.

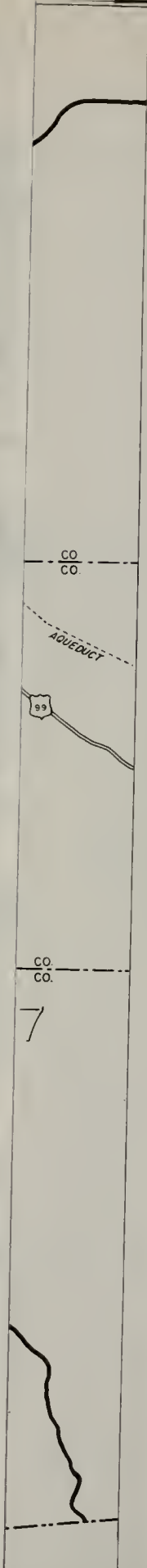
PRECIPITATION RECORDS FOR SEASON 1951-52
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation in Inches</u>	<u>Source of Information</u>
13864	Q-27	1270	17.85	U.S.W.B. (Elsinore)
13902	Q-28	1390	14.81	Temescal Water Company
14451	N-15	100	22.84	O. Co. F.C.D.
14535	O-17	130	22.97	O. Co. F.C.D.
14552	O-17	205	25.83	U.S.W.B. (Santa Ana)
14586	O-17	120	21.93	O. Co. F.C.D.
14617	P-18	120	23.95	U.S.W.B. (Tustin, near)
14649	P-19	245	26.18	O. Co. F.C.D.
14673	O-19	1000	29.21	O. Co. F.C.D.
14765	O-21	1500	32.95	O. Co. F.C.D.
14835	O-22	2000	42.58	O. Co. F.C.D.
14902	N-34	1100	22.96	Temescal Water Co.
15420	N-32	1550	18.22	U.S.W.B. (San Jacinto)
15602	L-16	195	25.77	O. Co. F.C.D.
15614	L-16	195	23.71	O. Co. F.C.D.
15623	L-16	225	26.78	O. Co. F.C.D.
15678	M-17	295	25.32	O. Co. F.C.D.
15679	N-17	285	25.29	O. Co. F.C.D.
15681	L-18	385	27.12	U.S.W.B. (Yorba Linda)
15860	L-21	480	23.10	O. Co. F.C.D.
15903	L-22	840	26.14	Corona Foothill Lemon Co.
15925	M-22	1055	22.77	Corona Foothill Lemon Co.
15926	M-22	1250	27.39	Corona Foothill Lemon Co.
15932	L-22	700	19.99	Temescal Water Co.
15955	M-23	1050	18.93	American Fruit Growers Assn.
16050	L-25	925	15.92	San Jacinto Land Co.
16240	L-28	1475	17.48	U.S. Air Force
16710	I-20	670	24.15	Southern Calif. Edison Co., Ltd.
16801	J-22	655	21.25	John Imbach
16845	K-22	660	18.35	Capt. C. Gully
17062	J-27	1040	18.02	University of California, Agricultural Experiment Station
17342	J-32	2220	14.51	Moreno Mutual Water Co.
17417	K-34	2580	23.66	U.S.W.B. (Beaumont)
17421	J-34	3045	26.69	U.S.W.B. (Beaumont, near)
17608	I-20	710	24.91	American Beet Sugar Co.
17613	H-20	985	28.17	West Ontario Citrus Assn.
17630	G-20	1230	32.48	Mr. Jordan
17653	H-21	1010	28.13	Southern Pacific Company
17674	H-21	930	24.33	Braundale Acres

PRECIPITATION RECORDS FOR SEASON 1951-52
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation In Inches</u>	<u>Source of Information</u>
17703	H-22	975	26.09	Guasti Wine Co.
17860	G-25	1270	27.50	Fontana Farms Co.
17973	H-27	975	18.67	Southern Pacific Co.
17973A	H-27	980	21.09	Colton Police Department
17984	H-27	950	21.79	Southern Calif. Edison Co., Ltd.
18082	H-29	1220	20.68	Crown Jewel Groves
18114	H-30	1360	21.55	U.S.W.B. (Redlands)
18125	H-30	1470	20.74	D.S.C. Anderson
18194	H-31	2000	24.07	F. B. King
18260	G-32	2965	31.17	U.S.W.B. (Mill Creek Power House No.
18351	G-34	5100	38.18	Southern Calif. Edison Co., Ltd.
18529A	G-22	1215	30.09	Garrett & Co., Inc.
18586	F-23	1425	32.95	W. F. Barnes
18642	F-25	1875	40.27	U.S.W.B. (Bennett Ranch)
18679	G-25	1320	27.45*	U.S.W.B. (Fontana)
18704	F-26	1590	42.93	So. Calif. Edison Co. Ltd.
18782	E-27	1415	30.74	San Bernardino Water Dept.
18809A	G-28	1030	21.52	San Bernardino Water Dept.
18826	F-28	1170	23.92	U.S.W.B. (San Bernardino, near)
18886	F-28	1345	23.80	Mrs. E. E. Corwin
18906	F-29	1435	24.43	Thomas A. Ewing
18928	G-30	1365	24.39	Gold Buckle Association
18937	G-30	1515	26.41*	East Highlands Orange Co.
18999	G-31	2060	27.27	So. Calif. Edison Co. Ltd.
19045	F-32	2765	34.47	U.S.W.B. (Santa Ana River)
19416	D-24	2720	56.62	U.S.W.B. (Lytle Creek Ranger Station)
19449	E-25	2260	45.57	Fontana Union Water Co.
19459	E-25	2250	43.58	U.S.W.B. (Lytle Creek)
19569	E-27	1900	36.87	San Bernardino Water Dept.
19656	D-28	5700	66.19	U.S.W.B. (Squirrel Inn No. 2)
19723	C-30	6250	69.20	Lake Arrowhead Company
19799	E-31	6230	54.25	California State Division of Highways
19915	D-34	6800	58.27	U.S.W.B. (Bear Valley Reservoir)

* Partially estimated by comparison with nearby stations.



LEGEND

- WELLS AT WHICH WATER LEVEL FLUCTUATIONS ARE SHOWN
- WATER POLLUTION CONTROL REGION BOUNDARY
- ⊖ GROUND WATER BASIN
- - - GROUND WATER SUB-BASIN BOUNDARY
- 4 WATER POLLUTION CONTROL REGION NUMBER
- 4-1 GROUND WATER BASIN NUMBER
- 4-1.01 GROUND WATER SUB-BASIN NUMBER
- - - COUNTY BOUNDARY
- 99 U. S. HIGHWAY

LOS ANGELES REGION NO. 4, GROUND WATER BASINS

- | | |
|-------------------------------|---|
| 4- 1 Upper Ojai Valley | 4-11 Coastal Plain, Los Angeles County |
| 4- 2 Ojai Valley | 4-11.02 West Coast Basin |
| 4- 3 Ventura River Valley | 4-11.03 Central Coastal Plain Pressure Area |
| 4- 4 Santa Clara River Valley | 4-12 San Fernando Valley |
| 4-4.01 Oxnard Plain Basin | 4-11.05 Montebello Forebay Area |
| 4-4.02 Oxnard Forebay Basin | 4-12.01 San Fernando Basin |
| 4- 5 Acton Valley | 4-13 San Gabriel Valley |
| 4- 6 Pleasant Valley | 4-13.01 Main San Gabriel Basin |
| 4- 7 Arroyo Santa Rosa Valley | 4-13.03 Pasadena Sub-area |
| 4- 8 Las Posas Valley | 4-13.04 Santa Anita Sub-area |
| 4- 9 Simi Valley | 4-14 Upper Santa Ana Valley, Los Angeles County |
| 4-10 Conejo Valley | |

LAHONTAN REGION NO. 6, GROUND WATER BASINS

- 6-44 Antelope Valley

SANTA ANA REGION NO. 8, GROUND WATER BASINS

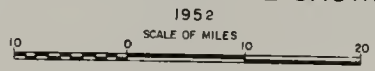
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|---|-------------------------|
| 8- 1 Coastal Plain, Orange County | 8- 3 Cajalco Valley |
| 8-1.01 East Coastal Plain Pressure Area | 8- 4 Elsinore Basin |
| 8-1.02 Santa Ana Forebay Area | 8- 5 San Jacinto Basin |
| 8- 2 Upper Santa Ana Valley | 8- 6 Hemet Lake Valley |
| 8-2.01 Chino Basin | 8- 7 Big Meadows Valley |
| 8-2.06 Bunker Hill Basin | 8- 8 Seven Oaks Valley |
| | 8- 9 Bear Valley |

SAN DIEGO REGION NO. 9, GROUND WATER BASINS

- | | |
|-----------------------------|-----------------------------|
| 9- 1 San Juan Valley | 9-11 Santa Maria Valley |
| 9- 2 San Mateo Valley | 9-12 San Dieguito Valley |
| 9- 3 San Onofre Valley | 9-13 Poway Valley |
| 9- 4 Santa Margarita Valley | 9-14 Mission Valley |
| 9- 5 Temecula Valley | 9-15 San Diego River Valley |
| 9- 6 Coachella Valley | 9-16 El Cajon Valley |
| 9- 7 San Luis Rey Valley | 9-17 Sweetwater Valley |
| 9- 8 Warner Valley | 9-18 Otay Valley |
| 9- 9 Escondido Valley | 9-19 Tia Juana Basin |
| 9-10 San Pasqual Valley | 9-20 Jamul Valley |

STATE OF CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 DIVISION OF WATER RESOURCES
 SOUTHERN CALIFORNIA AREA INVESTIGATION

LOCATION OF WELLS AT WHICH WATER LEVEL FLUCTUATIONS ARE SHOWN



PRECIPITATION RECORDS FOR SEASON 1951-52
(Season - July 1 to June 30)

<u>Station</u>	<u>Map Index</u>	<u>Elevation</u>	<u>Precipitation In Inches</u>	<u>Source of Information</u>
17703	H-22	975	26.09	Guasti Wine Co.
17860	G-25	1270	27.50	Fontana Farms Co.
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17973A	H-27	980	21.09	Colton Police Department
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18114	H-30	1360	21.55	U.S.W.B. (Redlands)
18125	H-30	1470	20.74	D.S.C. Anderson
18194	H-31	2000	24.07	F. B. King
18260	G-32	2965	31.17	U.S.W.B. (Mill Creek Power House No.
18351	G-34	5100	38.18	Southern Calif. Edison Co., Ltd.
18529A	G-22	1215	30.09	Garrett & Co., Inc.
18586	F-23	1425	32.95	W. F. Barnes
18642	F-25	1875	40.27	U.S.W.B. (Bennett Ranch)
18679	G-25	1320	27.45*	U.S.W.B. (Fontana)
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18782	E-27	1415	30.74	San Bernardino Water Dept.
18809A	G-28	1030	21.52	San Bernardino Water Dept.
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18886	F-28	1345	23.80	Mrs. E. E. Corwin
18906	F-29	1435	24.43	Thomas A. Ewing
18928	G-30	1365	24.39	Gold Buckle Association
18937	G-30	1515	26.41*	East Highlands Orange Co.
18999	G-31	2060	27.27	So. Calif. Edison Co. Ltd.
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19416	D-24	2720	56.62	U.S.W.B. (Lytle Creek Ranger Station)
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19459	E-25	2250	43.58	U.S.W.B. (Lytle Creek)
19569	E-27	1900	36.87	San Bernardino Water Dept.
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19799	E-31	6230	54.25	California State Division of Highways
19915	D-34	6800	58.27	U.S.W.B. (Bear Valley Reservoir)

* Partially estimated by comparison with nearby stations.



LEGEND

- WELLS AT WHICH WATER LEVEL FLUCTUATIONS ARE SHOWN
- WATER POLLUTION CONTROL REGION BOUNDARY
- ⊖ ⊕ GROUND WATER BASIN
- GROUND WATER SUB-BASIN BOUNDARY
- 4 WATER POLLUTION CONTROL REGION NUMBER
- 4-1 GROUND WATER BASIN NUMBER
- 4-1.01 GROUND WATER SUB-BASIN NUMBER
- COUNTY BOUNDARY
- 66 U S HIGHWAY

LOS ANGELES REGION NO. 4, GROUND WATER BASINS

- | | |
|------------------------------|---|
| 4-1 Upper Ojai Valley | 4-11 Coastal Plain, Los Angeles County |
| 4-2 Ojai Valley | 4-11.02 West Coast Basin |
| 4-3 Ventura River Valley | 4-11.03 Central Coastal Plain |
| 4-4 Santa Clara River Valley | 4-11.04 Pressure Area |
| 4-4.01 Oxnard Plain Basin | 4-11.05 Montebello Forebay Area |
| 4-4.02 Oxnard Forebay Basin | 4-12 San Bernardino Valley |
| 4-5 Acton Valley | 4-12.01 San Fernando Basin |
| 4-6 Pleasant Valley | 4-13 San Gabriel Valley |
| 4-7 Arroyo Santa Rosa Valley | 4-13.01 Main San Gabriel Basin |
| 4-8 Ina Foothill Valley | 4-13.03 Pasadena Sub-area |
| 4-9 Simi Valley | 4-13.04 Santa Anita Sub-area |
| 4-10 Concho Valley | 4-14 Upper Santa Ana Valley, Los Angeles County |

LAHONTAN REGION NO. 6, GROUND WATER BASINS

- 6-44 Antelope Valley

SANTA ANA REGION NO. 8, GROUND WATER BASINS

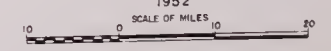
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|----------------------------------|------------------------|
| 8-1 Coastal Plain, Orange County | 8-3 Cajalco Valley |
| 8-1.01 East Coastal Plain | 8-4 Elsinore Basin |
| 8-1.02 Santa Ana Forebay Area | 8-5 San Jacinto Basin |
| 8-2 Upper Santa Ana Valley | 8-6 Hemet Lake Valley |
| 8-2.01 Chino Basin | 8-7 Big Meadows Valley |
| 8-2.02 Bunker Hill Basin | 8-8 Seven Oaks Valley |
| | 8-9 Bear Valley |

SAN DIEGO REGION NO. 9, GROUND WATER BASINS

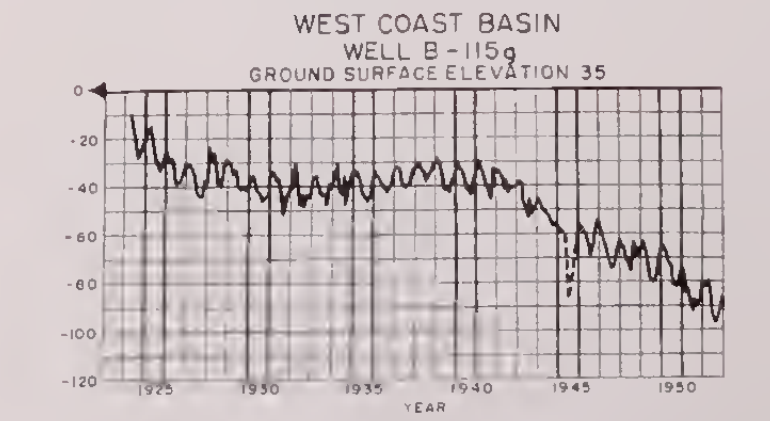
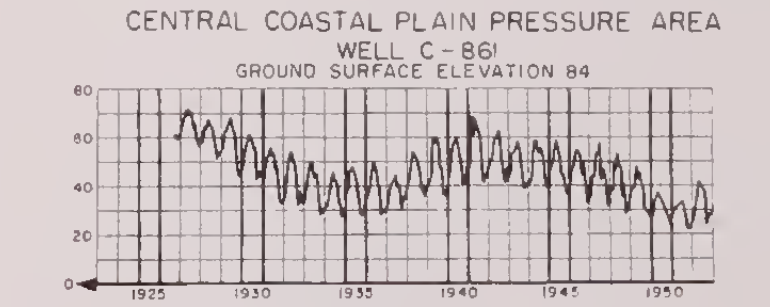
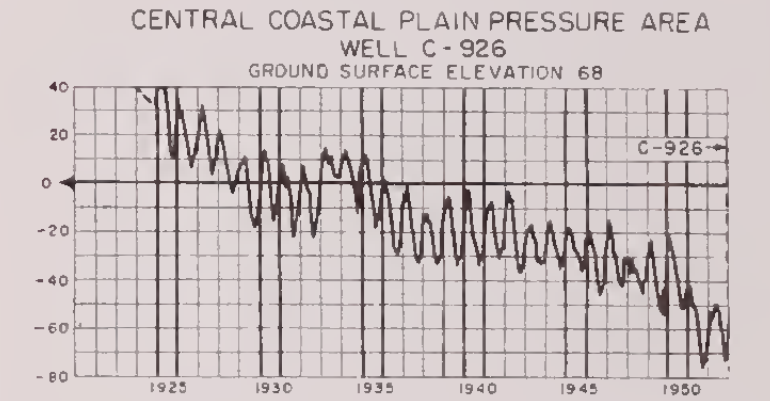
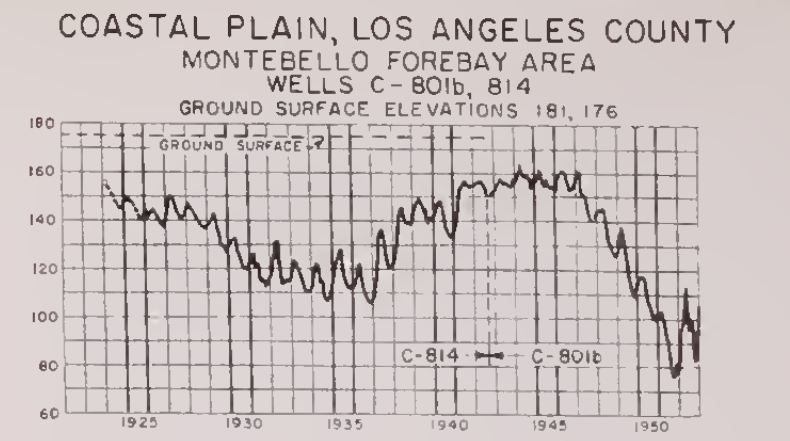
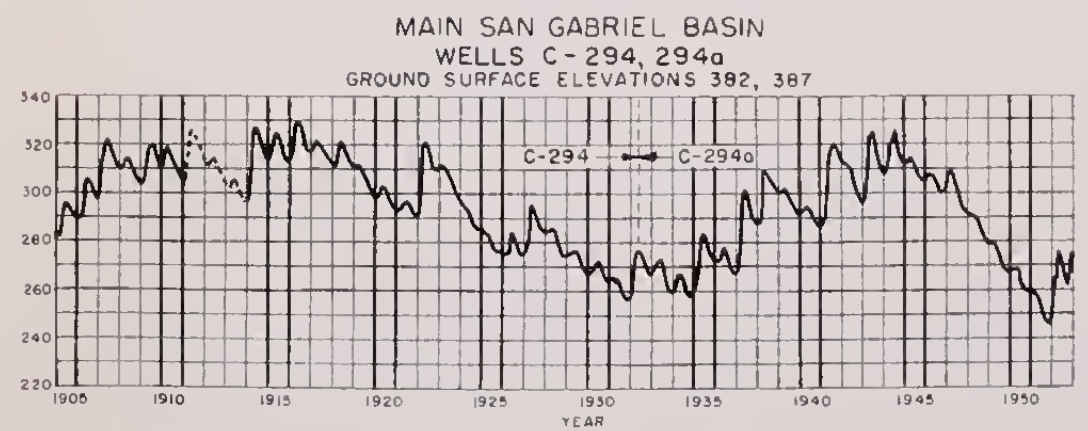
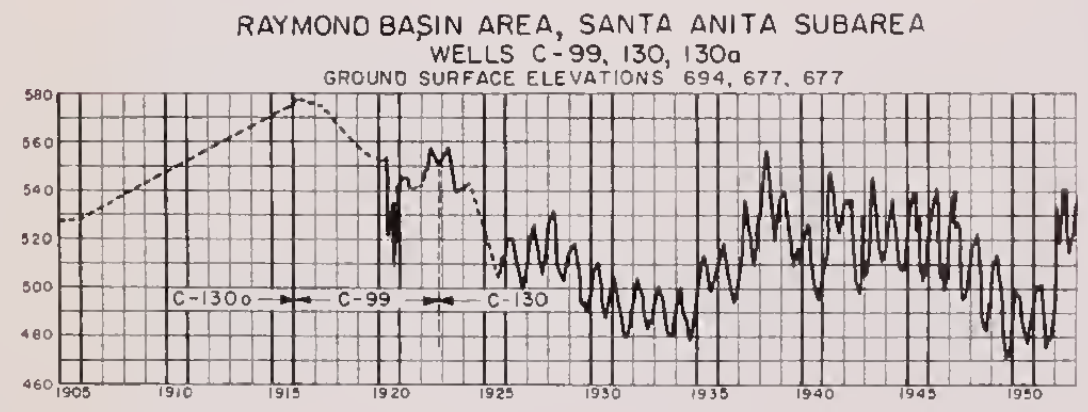
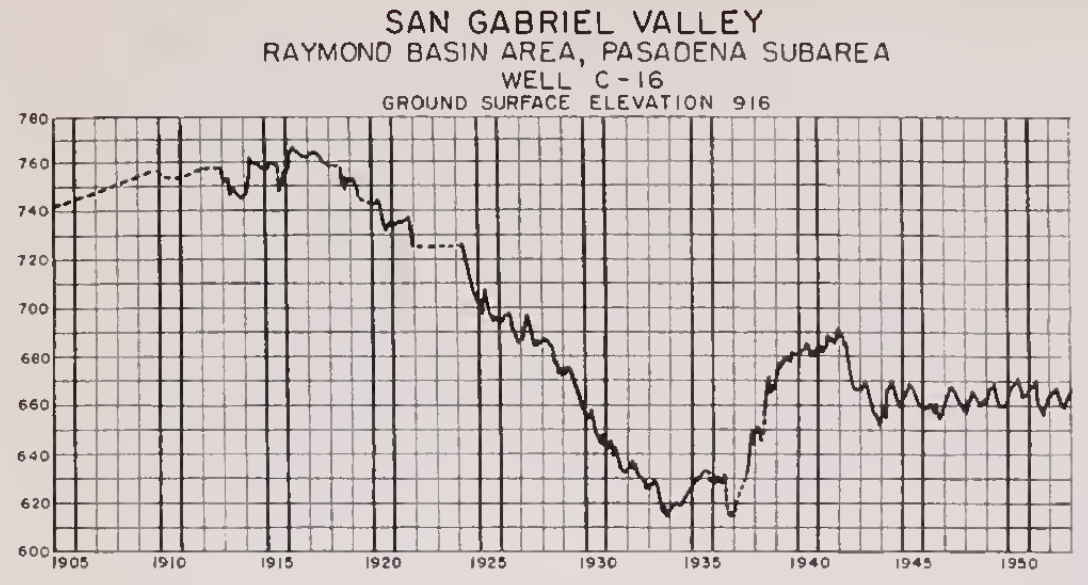
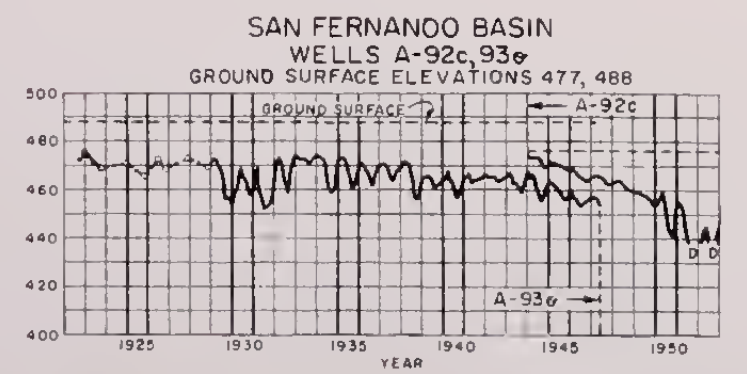
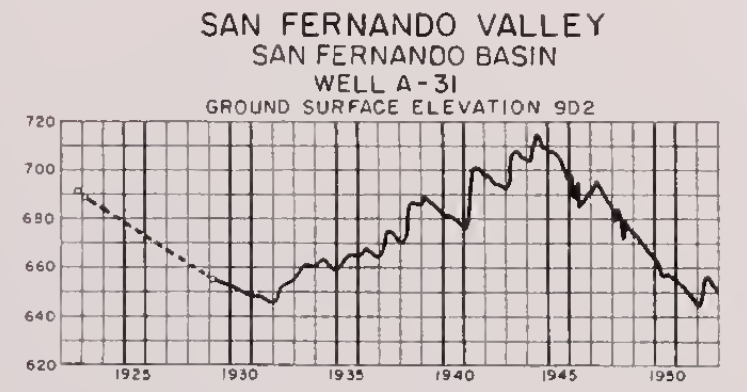
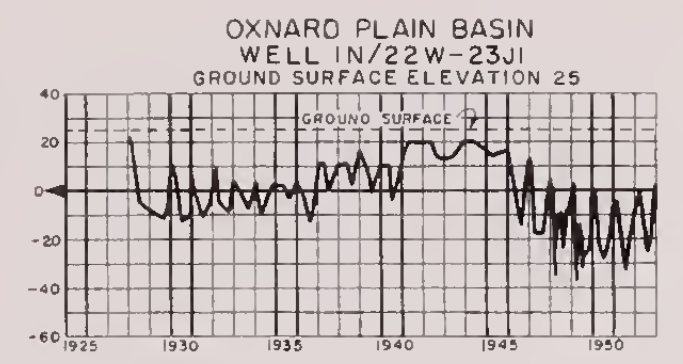
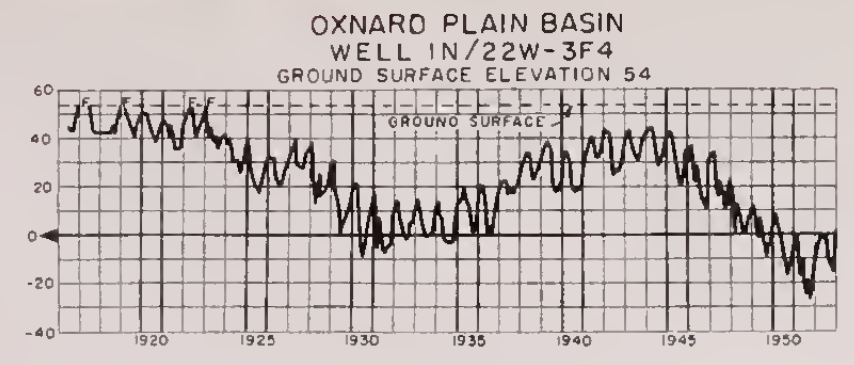
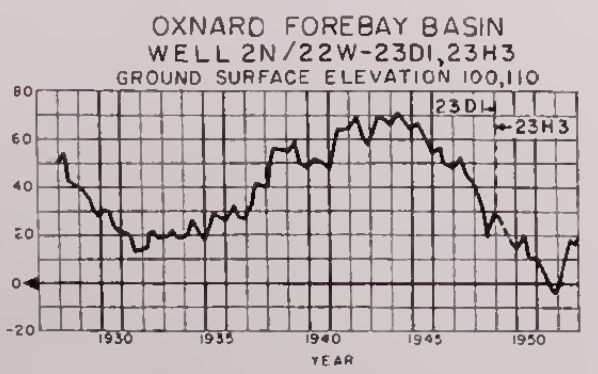
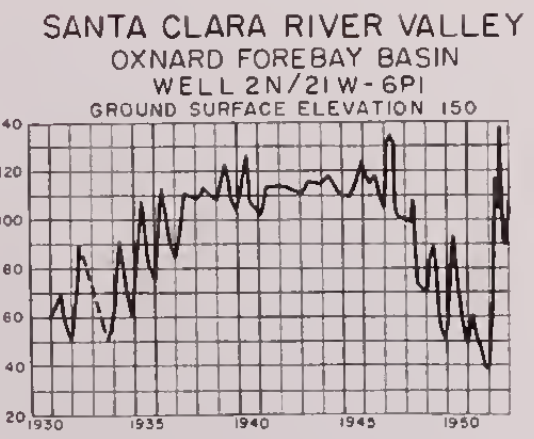
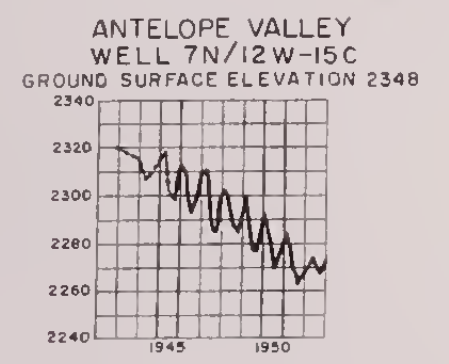
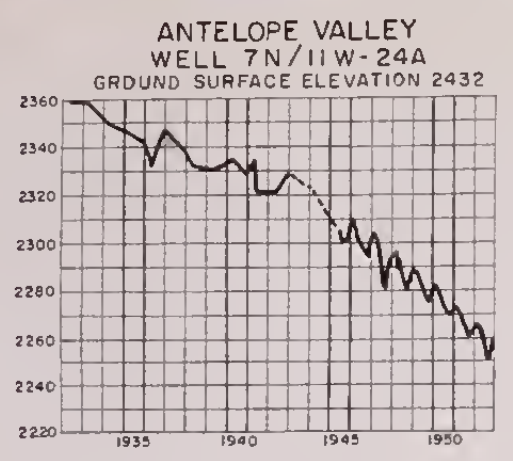
- | | |
|----------------------------|-----------------------------|
| 9-1 San Juan Valley | 9-11 Santa Maria Valley |
| 9-2 San Mateo Valley | 9-12 San Diego Valley |
| 9-3 San Onofre Valley | 9-13 Poway Valley |
| 9-4 Santa Margarita Valley | 9-14 Mission Valley |
| 9-5 Temecula Valley | 9-15 San Diego River Valley |
| 9-6 Coachella Valley | 9-16 El Cajon Valley |
| 9-7 San Luis Rey Valley | 9-17 Sweetwater Valley |
| 9-8 Warner Valley | 9-18 Otay Valley |
| 9-9 Escondido Valley | 9-19 Tia Juana Basin |
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STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER RESOURCES
SOUTHERN CALIFORNIA AREA INVESTIGATION

LOCATION OF WELLS AT WHICH WATER LEVEL FLUCTUATIONS ARE SHOWN
1952



ELEVATION OF WATER LEVELS AT KEY WELLS IN FEET - U. S. G. S. DATUM



FLUCTUATION OF WATER LEVELS
AT
KEY WELLS

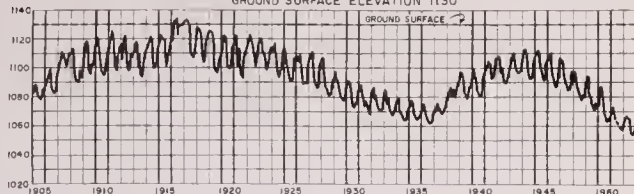
"F" INDICATES PERIOD DURING WHICH WELL FLOWED.
"O" INDICATES PERIOD DURING WHICH WELL WAS DRY.

UPPER SANTA ANA VALLEY

BUNKER HILL BASIN

WELL E-37

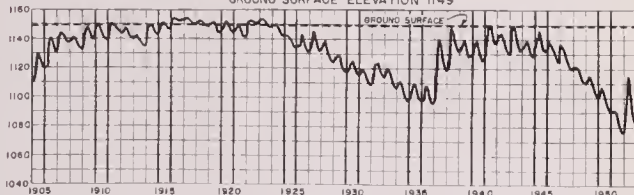
GROUND SURFACE ELEVATION 1130



BUNKER HILL BASIN

WELL E-109

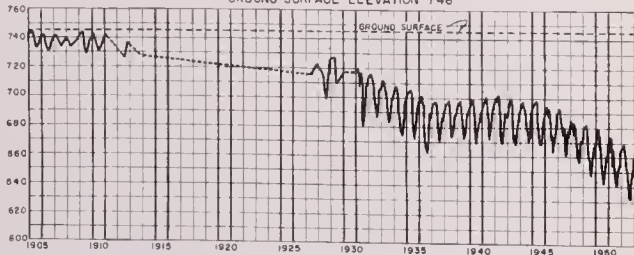
GROUND SURFACE ELEVATION 1149



CHINO BASIN

WELL D-7432

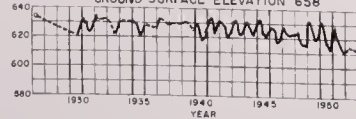
GROUND SURFACE ELEVATION 746



CHINO BASIN

WELL D-909

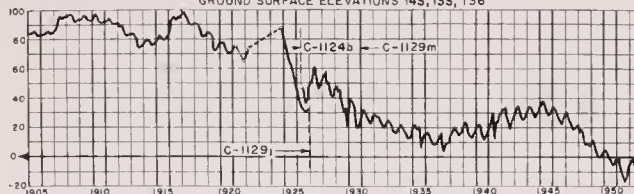
GROUND SURFACE ELEVATION 658



COASTAL PLAIN, ORANGE COUNTY

SANTA ANA FOREBAY AREA

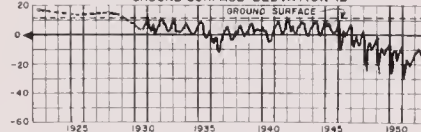
WELLS C-1124b, 1129i, 1129m
GROUND SURFACE ELEVATIONS 145, 135, 136



EAST COASTAL PLAIN PRESSURE AREA

WELL C-1257

GROUND SURFACE ELEVATION 12



SAN JACINTO VALLEY

SAN JACINTO BASIN

WELL 4S/1W-2SA

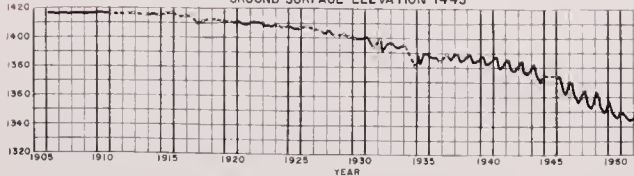
GROUND SURFACE ELEVATION 1566



SAN JACINTO BASIN

WELL 4S/2W-7A

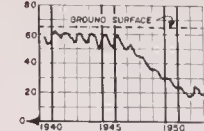
GROUND SURFACE ELEVATION 1445



SAN LUIS REY VALLEY

WELL 11S/4W-9E1

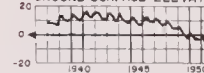
GROUND SURFACE ELEVATION 65



SAN LUIS REY VALLEY

WELL 11S/5W-13P2

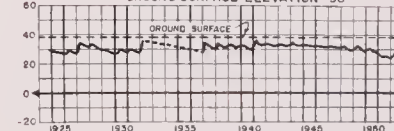
GROUND SURFACE ELEVATION 21



TIA JUANA BASIN

WELL 19S/2W-2C3

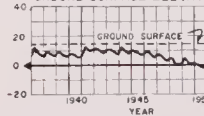
GROUND SURFACE ELEVATION 38



TIA JUANA BASIN

WELL 19S/2W-5A1

GROUND SURFACE ELEVATION 15



FLUCTUATION OF WATER LEVELS
AT
KEY WELLS

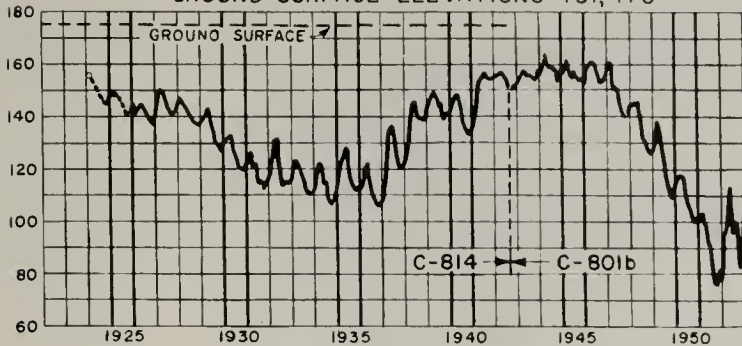


COASTAL PLAIN, LOS ANGELES COUNTY

MONTEBELLO FOREBAY AREA

WELLS C-801b, 814

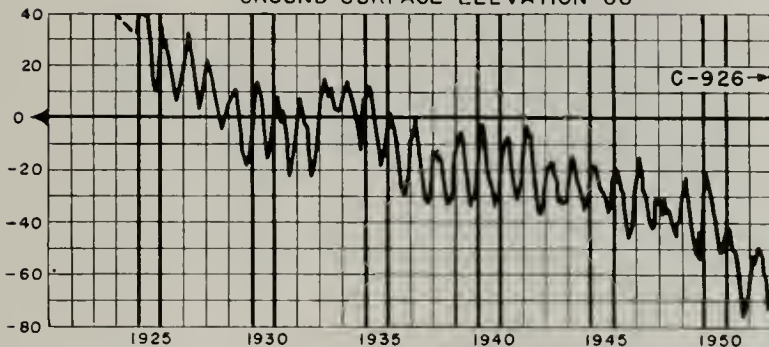
GROUND SURFACE ELEVATIONS 181, 176



CENTRAL COASTAL PLAIN PRESSURE AREA

WELL C-926

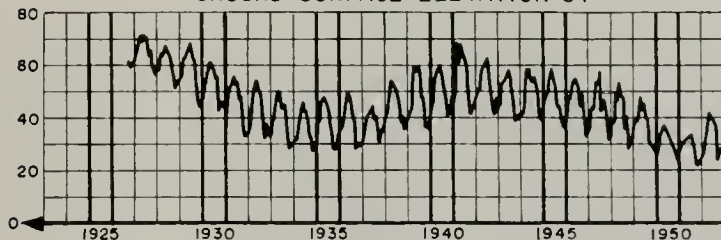
GROUND SURFACE ELEVATION 68



CENTRAL COASTAL PLAIN PRESSURE AREA

WELL C-861

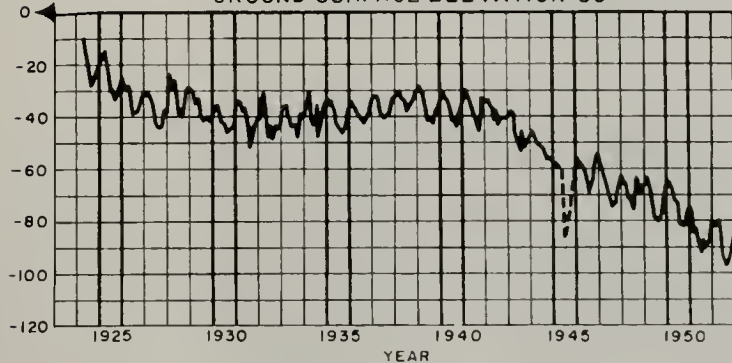
GROUND SURFACE ELEVATION 84



WEST COAST BASIN

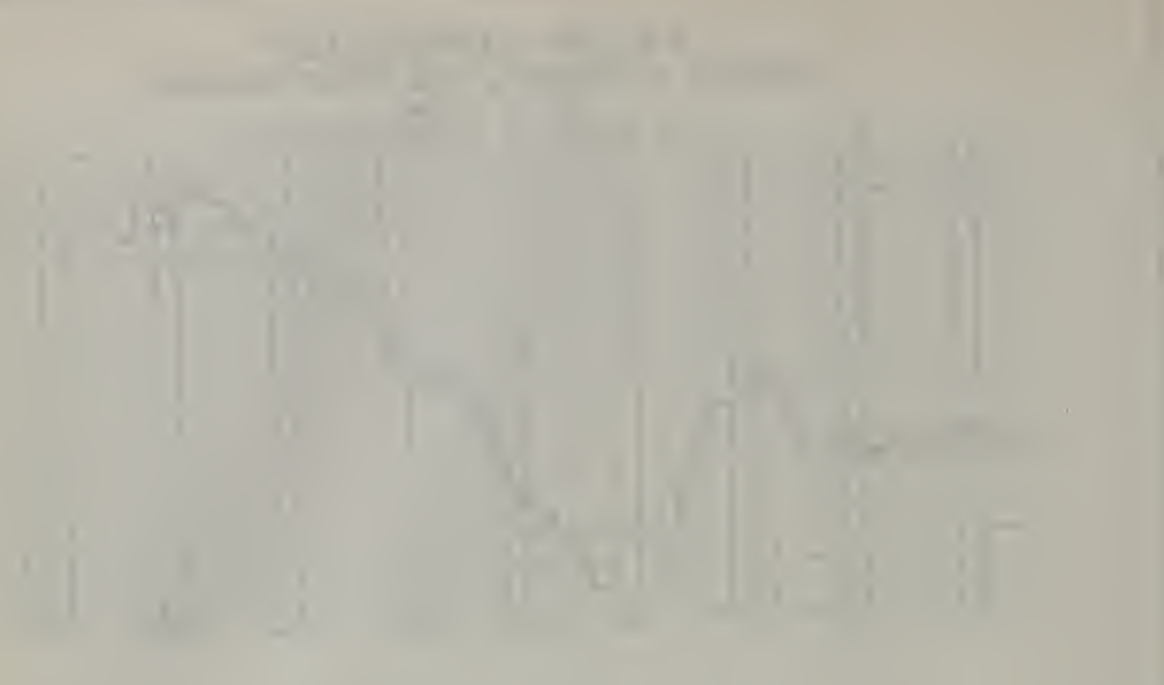
WELL B-115g

GROUND SURFACE ELEVATION 35



FLUCTUATION OF WATER LEVELS AT KEY WELLS

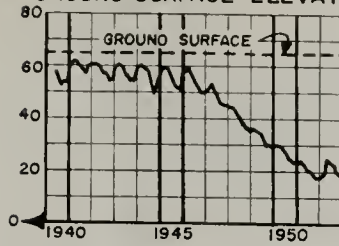
"F" INDICATES PERIOD DURING WHICH WELL FLOWED.
"D" INDICATES PERIOD DURING WHICH WELL WAS DRY.



SAN LUIS REY VALLEY

WELL 11S/4W-9E1

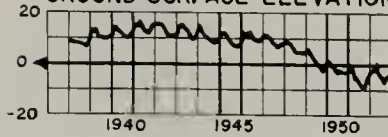
GROUND SURFACE ELEVATION 65



SAN LUIS REY VALLEY

WELL 11S/5W-13P2

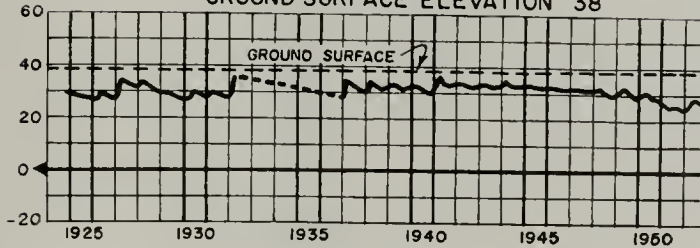
GROUND SURFACE ELEVATION 21



TIA JUANA BASIN

WELL 19S/2W-2C3

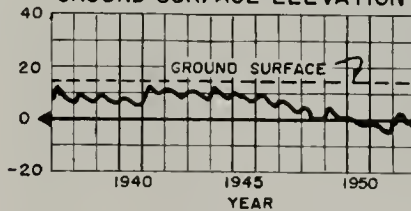
GROUND SURFACE ELEVATION 38



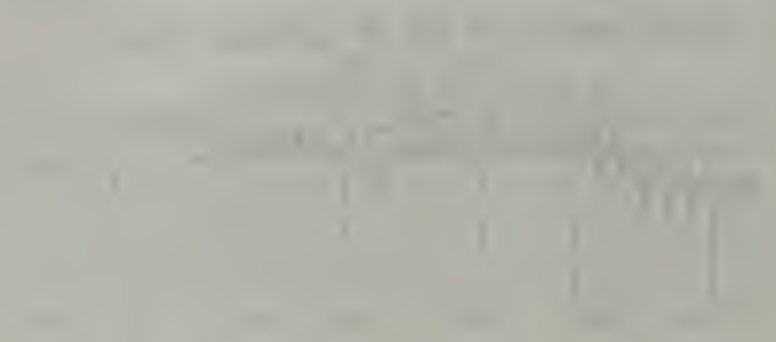
TIA JUANA BASIN

WELL 19S/2W-5A1

GROUND SURFACE ELEVATION 15



FLUCTUATION OF WATER LEVELS
AT
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