

Silver Spring
11/68

Ground-Water Levels in the United States 1961-65

Southwestern States

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1855
W69052

*Prepared in cooperation with the States
of Arizona, California, Hawaii, Nevada,
and New Mexico, and with other agencies*



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Prepared under the direction of C. L. McGUINNESS, Chief, Ground Water Branch

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PREFACE

This report was prepared by the Geological Survey in cooperation with the States of Arizona, California, Hawaii, Nevada, and New Mexico, and with other agencies, by personnel of the Water Resources Division under the direction of:

E. L. Hendricks	Chief Hydrologist
C. L. McGuinness	Chief, Ground Water Branch
H. M. Babcock	District Chief (Water Resources Division), Tucson, Arizona
R. S. Lord	District Chief (Water Resources Division), Menlo Park, California
M. M. Miller	District Chief (Water Resources Division), Honolulu, Hawaii
G. F. Worts, Jr.	District Chief (Water Resources Division), Carson City, Nevada
W. E. Hale	District Chief (Water Resources Division), Albuquerque, New Mexico

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GROUND-WATER LEVELS IN

THE UNITED STATES

1961-65

SOUTHWESTERN STATES

INTRODUCTION

By C. L. McGuinness

Publication of records of water levels in the United States in the annual series of water-supply papers was begun by the Geological Survey in 1935. From 1935 through 1939, 5 volumes were issued as Water-Supply Papers 777, 817, 840, 845, and 886. From 1940 through 1955, 6 volumes, each for a separate section of the United States as shown in figure 1, were published annually.

Beginning in 1956, only water-level data from a basic network of observation wells has been published. This basic network provides observation wells so located that the most significant data are obtained from the fewest wells in the most important aquifers. In some States the basic network forms the skeletal index of a more comprehensive observation-well program. Publications that contain substantial additional water-level data are listed at the end of each State report in this volume. The following table gives the number of water-supply papers by year and section.

Year	North-eastern (1)	South-eastern (2)	North-central (3)	South-central (4)	North-western (5)	South-western (6)
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	956	957	958	959	960	961
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028
1946	1071	1072	1073	1074	1075	1076
1947	1096	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161
1950	1165	1166	1167	1168	1169	1170
1951	1191	1192	1193	1194	1195	1196
1952	1221	1222	1223	1224	1225	1226
1953	1265	1266	1267	1268	1269	1270
1954	1321	1322	1323	1324	1325	1326
1955	1404	1405	1406	1407	1408	1409
1956	.....	.....	1456	.....	.....	.....
1956-57	1537	.....	.....	.....	.....	.....
1956-58	.....	1538	.....	.....	.....	.....
1956-59	.....	.....	.....	1549	.....	.....
1956-60	.....	.....	.....	.....	1760	1770
1957-61	.....	.....	1781	.....	.....	.....
1958-62	1782	.....	.....	.....	.....	.....
1959-63	.....	1803	.....	.....	.....	.....
1960-64	.....	.....	.....	1824	.....	.....
1961-65	.....	.....	.....	.....	1845	1855

Each well is identified by means of (1) a local number that is provided for continuity with older reports and for other use as dictated by local needs, and (2) a code number that is based on the universal system of latitude and longitude. The latter number serves not only to identify the well but also to locate it as a point on a map. For maximum utility, latitude and longitude code numbers are determined to seconds in order that each well may have a unique number.

The first six digits represent degrees, minutes, and seconds of latitude; "N" refers to north latitude and is used to break up the string of numbers; the next seven digits are degrees, minutes, and seconds of west longitude; and the number after the decimal point is a sequential number assigned in the order in which the wells are located in a 1-second square quadrangle.

A well spotted on a map may be assigned a precise code number even though the map location may not represent the accurate location of the well on the ground. Judgment as to the accuracy of the well location is indicated as follows:

1. Both field location and map spotting are accurate to nearest second of latitude and longitude: Coordinates to seconds are used but with no underscoring.
2. Not accurate to nearest seconds but accurate to better than 10 seconds of latitude and longitude: Coordinates to the nearest second are used, but 1-second digits are underscored.
3. Accurate to nearest 10 seconds of latitude and longitude: Coordinates to nearest 10 seconds are used, but 10-second digits are underscored.
4. Accurate to nearest minute: Seconds of latitude and longitude are used but digits for minutes are underscored.
5. Where map scales permit determination only to minutes, zeros for seconds of latitude and longitude are used and digits for minutes are underscored.

In the collection of water-level data to serve the objectives of the observation-well program, the problem generally is to measure changes in water level accurately, rather than to determine the absolute position of the water surface. Because the measurements are made in many types of wells, under varying conditions of access and at different temperatures, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the best possible combination of measuring technique and equipment is used, and so long as it is not changed, the measurements at each well will be consistent.

Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsd). Mean sea level is the datum plane on which the national network of precise levels is based; land-surface datum is a precise datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. A plus sign (+) is placed before a measurement if the level is above the plane of reference. Measurements of water levels in wells equipped with recording gages are given for every fifth day and the end of each month (eom).

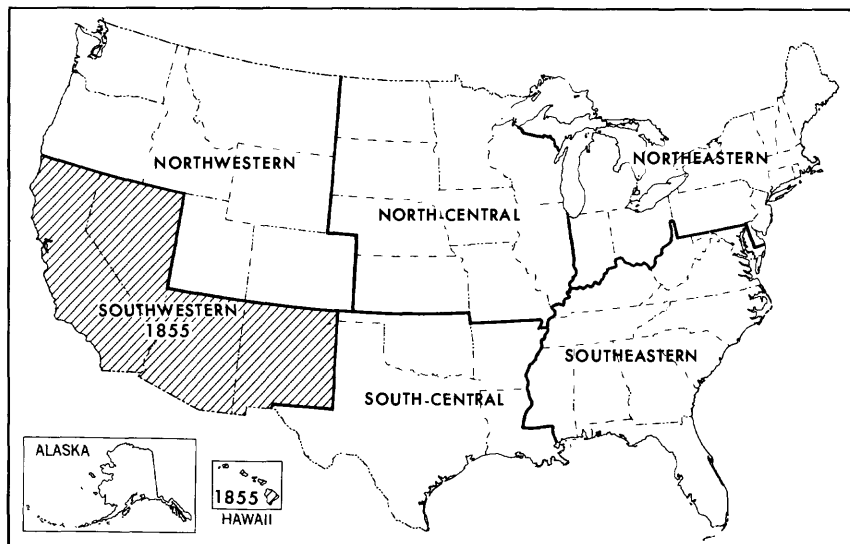


Figure 1. --Outline map of the United States showing States included in this volume.

Water levels are reported to as many significant figures as can be justified by the local conditions, and the end use of the information. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, in view of the principal use to which the data are put, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Measurements were made under the direction of the appropriate district supervisors in the several States.

ARIZONA

The observation-well program in Arizona was continued from 1961 through 1965; it is an integral part of the statewide water-resources investigations. The program was started in 1939, and a cooperative agreement was put into effect between the U.S. Geological Survey, Ground Water Branch, and the State Water Commissioner for equal financial participation in a planned program of ground-water studies. The Federal-State cooperation has continued to the present time; since 1942, the State has been represented by the Arizona State Land Department. In 1964 the Ground Water, Surface Water, and Quality of Water Branches of the Arizona district were incorporated into the Water Resources Division; this agency now represents the U.S. Geological Survey in the cooperative program.

Many irrigation districts, cities, well drillers, water and power companies, government agencies, and individuals have been helpful in providing data for this publication. These data also are used in more comprehensive studies that help to provide solutions to the problems that arise where ground water is pumped in large quantities. Figure 2 shows the location of observation wells for which data are included in this report. All wells in the State are located by the numbering system explained and illustrated in figure 2.

Well-Numbering System

The well numbers used by the Geological Survey in Arizona are in accordance with the Bureau of Land Management's system of land subdivision. The land survey in Arizona is based on the Gila and Salt River meridian and base line, which divide the State into four quadrants. These quadrants are designated counterclockwise by the capital letters A, B, C, and D. All land north and east of the point of origin is in A quadrant, that north and west in B quadrant, that south and west in C quadrant, and that south and east in D quadrant. The first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. The lowercase letters a, b, c, and d after the section number indicate the well location within the section. The first letter denotes a particular 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. These letters also are assigned in a counterclockwise direction, beginning in the northeast quarter. If the location is known within the 10-acre tract, three lowercase letters are shown in the well number. For example, well number (B-4-2)19caa designates the well as being in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 19, T. 4 N., R. 2 W. Where there is more than one well within a 10-acre tract, consecutive numbers beginning with 1 are added as suffixes.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated.

Apache County

343012N1092338.1. Local number (A-13-28)29ca. E. L. Johns. Drilled domestic water-table well in gravel, diam 12 in, depth 50 ft, cased to 50. Lsd 5,775 ft above msl. MP top of casing, 2.1 ft above lsd (since Nov. 11, 1964). Highest water level 8.4 below lsd, Aug. 7, 1950; lowest 30.9 below lsd, May 3, 1956. Records available: 1944-58, 1960-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 9, 1961	22.2	Apr. 8, 1963	16.5	Apr. 3, 1964	16.0	Apr. 23, 1965	15.9
May 1, 1962	22.2	Oct. 23	17.0	Nov. 11	13.3	Oct. 3	15.0

Cochise County

322112N1093626.1. Local number (D-12-27)32aab. Creighton. Drilled stock water-table well in alluvial fill, diam 6 in, reported depth 250 ft, casing information not available. Lsd about 3,980 ft above msl. MP top of casing, 2.0 ft above lsd. Highest water level 132.5 below lsd, Dec. 20, 1956; lowest 137.2 below lsd, Dec. 12, 1954. Records available: 1952-54, 1956-57, 1959-64. Measurement discontinued. Feb. 7, 1961, 134.7 (well being pumped); Feb. 7, 1962, 133.9 (well being pumped); Feb. 18, 1963, 133.7; Feb. 20, 1964, 133.3.

321715N1102158.1. Local number (D-13-19)23dad. Reed. Drilled stock water-table well in alluvial fill, diam 6 in, reported depth 85 ft, casing information not available. Lsd about 3,150 ft above msl. MP top of casing, 3.5 ft above lsd. Highest water level 37.1 below lsd, Feb. 24, 1960; lowest 49.8 below lsd, May 28, 1954. Records available: 1949-65. Feb. 22, 1961, 45.5; Mar. 2, 1962, 42.2; Mar. 1, 1963, 40.4 (well being pumped); Feb. 26, 1964, 46.3 (well pumped recently); Mar. 26, 1965, 38.7.

321838N1095431.1. Local number (D-13-24)16bbb. State of Arizona. Drilled observation water-table well in alluvial fill, diam 16 in, depth 1,356 ft, casing information not available. Lsd about 4,210 ft above msl. MP top of casing, 1.7 ft above lsd. Highest water level 29.7 below lsd, May 13, 1942; lowest 130.7 below lsd, Aug. 31, 1962. Records available: 1942, 1944-65. Recorder removed Mar. 17, 1965.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	100.3	98.2	.....	113.4	118.5	124.1	123.9	.....	.....	121.8	112.2	107.4
10	99.9	98.2	107.7	115.8	.....	124.8	124.3	.....	.....	120.8	111.1	106.8
15	99.6	100.8	110.8	116.4	121.5	125.4	125.4	.....	.....	118.3	110.2	106.2
20	99.3	.....	111.6	118.3	122.3	125.1	126.0	.....	.....	117.3	108.4	105.8
25	99.0	.....	111.8	117.5	122.3	124.0	126.6	.....	119.3	115.8	108.7	105.3
End	98.5	.....	113.9	116.2	123.9	123.1	.....	.....	120.9	113.9	108.0	104.8

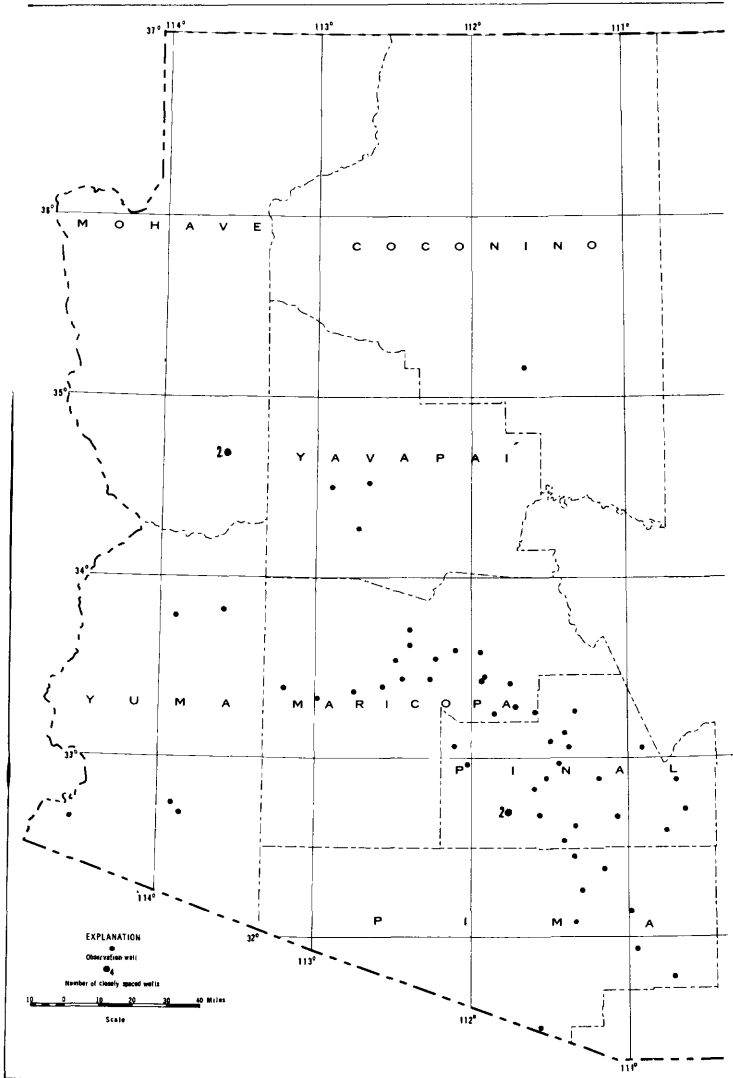
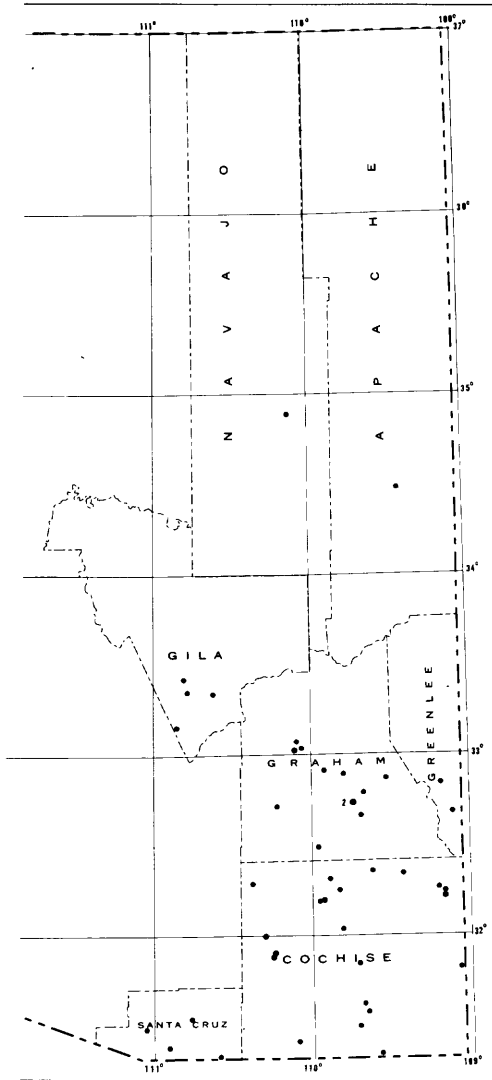


Figure 2. --Location of observation



wells in Arizona, 1961-65.

321838N1095431.1--Continued.

1962												
Day	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	104.4	102.0	104.1	113.7	121.6	121.8	118.6	126.2	122.8	119.2	114.7	111.5
10	104.0	102.1	104.9	115.8	120.9	122.7	120.6	127.5	123.4	118.7	113.9	111.1
15	103.5	104.1	105.0	116.6	119.5	122.0	122.8	129.0	121.6	117.8	113.5	110.7
20	103.1	104.6	106.4	118.4	119.4	121.8	126.0	128.7	121.3	116.2	113.0	110.3
25	102.7	105.0	110.2	120.2	120.0	121.8	124.8	127.6	121.5	115.3	112.5	109.8
Eom	102.3	105.2	114.1	120.0	120.3	119.7	126.3	130.7	120.1	114.4	112.0	109.4
1963												
5	109.0	107.2	108.3	116.3	120.9	122.7	127.1	125.7	120.4	120.7	118.8	114.8
10	108.6	107.9	107.8	117.9	121.0	.....	127.1	126.2	119.2	.....	117.5	114.2
15	108.3	107.6	109.1	119.4	120.8	.....	127.4	125.8	119.7	120.0	116.6	114.4
20	108.1	107.3	108.8	119.9	120.7	.....	127.0	126.5	121.0	119.3	116.2	114.0
25	107.7	107.4	111.9	120.3	119.8	126.8	127.6	125.2	121.3	118.6	115.8	113.5
Eom	108.2	108.1	113.8	120.3	122.2	126.4	125.4	122.5	120.7	119.1	115.3	114.1
1964												
5	113.6	111.6	112.9	116.6	119.9	122.7	124.5	121.4	123.9	120.1	118.5	116.2
10	112.9	111.5	113.3	117.6	120.0	122.9	126.3	122.1	123.5	119.7	118.0	115.9
15	112.6	111.7	113.9	119.0	120.0	123.0	125.0	123.0	122.5	119.4	117.5	115.6
20	112.3	112.4	113.5	119.4	120.4	123.5	123.3	123.4	121.6	119.0	117.1	115.3
25	112.2	113.1	114.8	119.5	121.1	124.0	122.4	123.9	122.4	118.6	116.8	115.0
Eom	112.0	113.3	116.2	120.4	121.9	124.3	123.1	123.4	120.5	118.5	116.4	114.7
1965												
5	114.4	112.9	113.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	114.2	112.6	114.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	114.0	113.2	114.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	113.7	114.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	113.6	114.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	113.2	114.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 24, 1965	114.8	June 24, 1965	123.0	Sept. 20, 1965	125.7	Nov. 26, 1965	118.9
Apr. 25	117.2	July 23	122.4	Oct. 22	121.7	Dec. 22	117.4
May 21	122.5	Aug. 23	126.2				

321932N1092554.1. Local number (D-13-29)6ccc. A. R. Spikes. Drilled stock and irrigation artesian well in sand and gravel, diam 6 in, reported depth 835 ft, casing information not available. Lsd about 3,675 ft above msl. MP top: east side of casing, 0.2 ft above lsd. Highest water level 9.5 below lsd, May 2, 1941; lowest 152.7 below lsd, Mar. 2, 1965. Records available: 1941-42, 1944, 1946-47, 1949-52, 1954-57, 1959-65. Jan. 25, 1961, 129.8; Feb. 8, 1962, 130.9; Feb. 20, 1963, 140.0; Feb. 12, 1964, 148.4; Mar. 2, 1965, 152.7.

321556N1091326.1. Local number (D-13-31)30dc. Elmer Franklin. Drilled domestic water-table well in sand and gravel, diam 4 in, depth 72 ft, casing information not available. Lsd about 3,610 ft above msl. MP top of 4- x 4-in pipe clamp, 1.7 ft above lsd. Highest water level 58.7 below lsd, Nov. 2, 1949; lowest 70.1 below lsd, July 1, 1955. Records available: 1940-42, 1944, 1946-57, 1959-64. Measurement discontinued. Jan. 25, 1961, 66.5; Feb. 7, 1962, 68.1; Feb. 25, 1963, 68.3; Feb. 14, 1964, 69.1.

321048N1095711.1. Local number (D-14-23)36baa. Fay Proctor. Drilled domestic and stock water-table well in sand and gravel, diam 6 in, depth 50 ft, casing information not available. Lsd about 4,210 ft above msl. MP top of 4- x 4-in clamp, 1.7 ft above lsd. Highest water level 36.0 below lsd, May 13, 1942; lowest 44.4 below lsd, Feb. 2, 1962. Records available: 1942, 1944-62. Measurement discontinued; replaced by (D-14-24)30dba. Jan. 19, 1961, 41.9; Feb. 2, 1962, 44.4.

321115N1095552.1. Local number (D-14-24)30dba. Fay Proctor. Drilled stock water-table well in alluvial fill, diam 6 in, depth unknown, casing information not available. Lsd about 4,187 ft above msl. MP top of wooden clamp, 2.2 ft above lsd. Highest water level 16.0 below lsd, Oct. 21, 1955; lowest 28.2 below lsd, Feb. 10, 1965. Records available: 1942, 1944-57, 1963-65.

May 13, 1942	20.1	Oct. 13, 1948	24.8	June 2, 1952	24.0	Mar. 22, 1955	24.9
June 7, 1944	21.5	July 7, 1949	24.0	July 29	25.3	June 27	25.8
Oct. 15, 1945	23.3	Oct. 14	25.3	Oct. 17	25.5	Oct. 21	16.0
Jan. 23, 1946	22.0	June 27, 1950	23.8	Jan. 20, 1953	24.7	Dec. 21	16.4
Mar. 26	21.9	Sept. 5	24.7	July 24	26.3	Apr. 8, 1956	24.3
May 20	21.9	Dec. 13	25.5	Oct. 27	26.3	Jan. 22, 1957	25.1
Oct. 17	24.0	Mar. 9, 1951	23.9	Jan. 26, 1954	25.2	Dec. 16	25.9
Feb. 25, 1947	22.2	May 28	23.4	May 25	24.8	Feb. 6, 1957	27.3
Aug. 27	23.7	Aug. 1	25.0	Aug. 9	25.9	Feb. 4, 1964	27.5
June 18, 1948	23.4	Oct. 16	25.5	Nov. 3	26.8	Feb. 10, 1965	28.2
Aug. 30	25.7	Apr. 23, 1952	24.0	Feb. 1, 1955	25.3		

321435N1095009.1. Local number (D-14-25)6cac. E. T. Dunlap. Drilled domestic water-table well in sand and gravel, diam 6 in, depth 34 ft, casing information not available. Lsd about 4,166 ft above msl. MP top of concrete curb, 0.2 ft above lsd. Highest water level 9.8 below lsd, Oct. 21, 1955; lowest 22.6 below lsd, Feb. 8, 1965. Records available: 1942, 1944-57, 1959-61, 1963-65. No measurement made in 1962. Jan. 19, 1961, 20.8; Mar. 14, 1963, 21.8; Feb. 4, 1964, 21.9; Feb. 8, 1965, 22.6.

321413N1090935.1. Local number (D-14-31)30dd. A. G. Pierce. Drilled unused artesian well in sand, diam 8 in, reported depth 400 ft, casing information not available. Lsd about 3,690 ft above msl. MP top of casing, 1.6 ft above lsd. Highest water level 17.2 below lsd, Apr. 24, 1942; lowest 72.9 below lsd, July 20, 1959. Records available: 1941-42, 1946-1962. Measurement discontinued; replaced by (D-14-31)15odd. Jan. 25, 1961, 63.4; Feb. 7, 1962, 64.5.

321229N1091005.1. Local number (D-14-31)15odd. C. A. Boggs. Drilled unused artesian well in sand and gravel, diam 18 in, depth 800 ft, cased 0-792. Lsd about 3,675 ft above msl. MP concrete curb under pump base, 2.5 ft above lsd. Highest water level 4.1 below lsd, Feb. 2, 1955; lowest 51.6 below lsd, Feb. 26, 1963. Records available: 1955-57, 1959-65. Well was flowing in 1953 and 1954; could not measure. No measurement made in 1958.

321229N1091005.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2, 1955	4.1	Dec. 17, 1957	22.1	Jan. 25, 1961	27.8	Feb. 13, 1964	49.2
Jan. 12, 1956	12.4	Jan. 23, 1959	15.7	Feb. 7, 1962	27.6	Mar. 3, 1965	47.2
Jan. 23, 1957	13.9	Jan. 22, 1960	22.2	Feb. 26, 1963	51.6		

320000N1101709.1. Local number (D-16-20)34acd. L. A. Scott. Drilled domestic and stock water-table well in sand and gravel, diam 6 in, depth 98 ft, casing information not available. Lsd about 3,535 ft above msl. MP top of casing, 1.5 ft above lsd. Highest water level 70.4 below lsd, June 12, 1941; lowest 86.5 below lsd, Feb. 26, 1964. Records available: 1941-42, 1944-65. Feb. 22, 1961, 80.7; Mar. 2, 1962, 78.7; Mar. 1, 1963, 84.5; Feb. 26, 1964, 86.5; Mar. 24, 1965, 82.7.

320235N1094750.1. Local number (D-16-25)16add. W. D. Wear. Drilled stock water-table well in sand and gravel, diam 6 in, depth 65 ft, casing information not available. Lsd about 4,190 ft above msl. MP top of casing, 1.2 ft above lsd. Highest water level 69.1 below lsd, Jan. 30, 1964; lowest 43.6 below lsd, Dec. 19, 1957. Records available: 1942, 1944-57, 1959-65. Jan. 18, 1961, 30.5; Feb. 2, 1962, 29.5; Feb. 5, 1963, 30.5 (well being pumped); Jan. 30, 1964, 29.1; Feb. 9, 1965, 31.5.

315500N1101322.1. Local number (D-17-21)32bab (previously reported 32bad). Boquillas Cattle Co. Drilled domestic and stock artesian well in sand and gravel, diam 6 in, reported depth 520 ft, cased to 500. Lsd about 3,705 ft (previously reported 3,075 ft) above msl. MP top of casing, 1.3 ft above lsd. Highest water level 16.9 below lsd, Dec. 9, 1946; lowest 37.2 below lsd, Feb. 22, 1961. Records available: 1944-65. Feb. 22, 1961, 37.2; Feb. 23, 1962, 24.0; Mar. 3, 1963, 33.9 (well being pumped); Feb. 24, 1964, 31.5 (well being pumped); Mar. 26, 1965, 25.7 (well being pumped).

315417N1101400.1. Local number (D-18-21)6aaa (previously reported 6aab). Smith, formerly Walter Haymore. Drilled domestic water-table well in sand and gravel, diam 4 in, depth 60 ft, cased to 0-60. Lsd about 3,620 ft above msl. MP top of casing, 1.2 ft above lsd. Highest water level 25.6 below lsd, Mar. 30, 1946; lowest 39.7 below lsd, May 28, 1954. Records available: 1944-55, 1960-65. Feb. 22, 1961, 32.8; Feb. 23, 1962, 28.7; Mar. 3, 1963, 36.7 (well being pumped); Feb. 24, 1964, 30.7 (well pumped recently); Mar. 26, 1965, 29.6.

315045N1094143.1. Local number (D-18-26)28aaa. Frank Geers. Drilled stock water-table well in sand and gravel, diam 6 in, depth 140 ft, casing information not available. Lsd 4,267.8 ft above msl. MP top of casing, 1.7 ft above lsd. Highest water level 70.6 below lsd, Dec. 21, 1949; lowest 90.7 below lsd, Feb. 12, 1965. Records available: 1946-65. Feb. 10, 1961, 84.1; Jan. 29, 1962, 85.5; Feb. 19, 1963, 87.1; Feb. 11, 1964, 89.0; Feb. 12, 1965, 90.7.

314911N1090500.1. Local number (D-18-32)33bca. Darnell. Drilled unused water-table well in alluvia fill, diam 14 in, reported depth 200 ft, casing information not available. Lsd about 4,250 ft above msl. MP hole in steel plate, 1.0 ft above lsd (since Feb. 6, 1962). Highest water level 107.1 below lsd, Mar. 20, 1951; lowest 149.2 below lsd, Nov. 29, 1962. Records available: 1950-51, 1953-57, 1959-64. No measurement made in 1965. Feb. 7, 1961, 130.2; Feb. 6, 1962, 133.1, Nov. 29, 149.2; Feb. 20, 1963, 139.0; Feb. 19, 1964, 139.2.

313826N1094023.1. Local number (D-21-26)2baa. Randel and Hunt. Drilled unused water-table well in sand and gravel, diam 20 in, depth 110 ft, cased 0-100. Lsd about 4,130 ft above msl. MP top of casing, 3.0 ft above lsd. Highest water level 36.6 below lsd, Aug. 26, 1947; lowest 74.6 below lsd, Oct. 5, 10, 22, 1965. Records available: 1947-65. Recorder removed Oct. 13, 1965. Oct. 22, 1965, 74.6; Nov. 29, 73.5; Dec. 22, 72.7.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	61.3	60.9	60.7	60.7	61.3	61.8	62.1	62.3	62.6	62.8	62.8	62.6
10	61.3	60.9	60.6	60.8	61.4	61.8	62.1	62.4	62.6	62.8	62.8	62.5
15	61.2	60.8	60.6	61.0	61.5	61.9	62.1	62.4	62.7	62.8	62.8	62.5
20	61.1	60.8	60.6	61.1	61.6	61.9	62.2	62.5	62.7	62.8	62.7	62.4
25	61.1	60.7	60.6	61.2	61.6	62.0	62.2	62.5	62.7	62.8	62.7	62.4
Eom	61.0	60.7	60.6	61.3	61.7	62.0	62.3	62.6	62.8	62.8	62.6	62.3
1962												
5	62.3	61.9	61.6	61.4	61.4	62.4	62.9	63.2	63.1	63.8	64.1	64.3
10	62.2	61.8	61.5	61.4	61.7	62.3	63.0	63.3	63.5	62.7	64.2	64.3
15	62.1	61.8	61.5	61.5	62.0	62.4	63.0	63.4	63.7	62.8	64.3	64.3
20	62.1	61.7	61.4	61.6	62.1	62.4	63.0	63.5	63.8	63.5	64.3	64.3
25	62.0	61.7	61.4	61.9	62.3	....	63.1	62.8	64.0	63.8	64.3	64.3
Eom	61.9	61.7	61.4	62.0	62.5	....	63.2	62.5	64.1	64.1	64.3	64.3
1963												
5	64.2	63.9	63.7	63.4	64.7	65.3	66.0	....	66.3	66.5	67.0	66.9
10	64.2	63.9	63.7	64.5	64.7	65.4	66.1	....	65.9	66.6	67.0	66.9
15	64.1	63.8	63.7	64.5	64.8	65.4	66.2	....	65.8	66.8	67.0	66.9
20	64.1	63.8	63.8	64.6	64.9	65.5	66.4	....	66.0	66.9	67.0	66.8
25	64.0	63.7	64.0	64.6	65.1	65.7	66.5	66.6	66.2	67.0	67.0	66.8
Eom	64.0	63.7	64.2	64.7	65.2	65.9	66.7	66.6	66.4	67.0	67.0	66.8
1964												
5	66.7	66.5	66.3	66.6	67.4	68.0	68.9	69.1	68.5	68.8	68.9	68.6
10	66.7	66.5	66.3	66.8	67.5	68.1	69.0	69.1	68.6	68.8	68.9	68.5
15	66.6	66.5	66.2	66.9	67.6	68.3	69.1	69.0	68.7	68.9	68.9	68.4
20	66.6	66.4	66.2	67.0	67.7	68.4	69.2	68.7	68.6	68.9	68.8	68.3
25	66.6	66.3	66.3	67.1	67.8	68.6	69.0	68.6	68.5	68.9	68.7	68.2
Eom	66.5	66.3	66.4	67.3	67.9	68.7	69.2	68.5	68.7	68.9	68.7	68.2
1965												
5	68.2	67.9	67.6	67.6	69.0	70.3	71.6	72.6	73.8	74.6	....	....
10	68.1	67.8	67.6	67.8	69.2	70.6	71.8	72.7	73.9	74.6	....	....
15	68.1	67.8	67.5	68.0	69.5	70.8	72.0	72.9	74.0	....	....	....
20	68.1	67.7	67.5	68.2	69.7	71.0	72.1	73.1	74.2	....	....	....
25	68.1	67.7	67.4	68.4	69.8	71.2	72.2	73.4	74.3	....	....	....
Eom	68.0	67.7	67.4	68.7	70.1	71.4	72.4	73.6	74.5	....	....	....

313550N1093920.1. Local number (D-21-26)24baa. McNeal Cemetery. Drilled domestic water-table well in sand and gravel, diam 8 in, depth 196 ft, casing information not available. Lsd 4,195.8 ft above msl. MP top of casing, 2.0 ft above lsd. Highest water level 112.0 below lsd, Jan. 31, 1946; lowest 149.2 below lsd, Feb. 18, 1965. Records available: 1946-58, 1950-62, 1964-65. No measurement made in 1963. Feb. 9, 1961, 140.5 (well being pumped); Feb. 1, 1962, 143.7; Feb. 11, 1964, 146.7; Feb. 18, 1965, 149.2.

312944N1094232.2. Local number (D-22-26)28bab2. J. E. Brophy. Drilled irrigation water-table well in sand and gravel, diam 8 in, depth 90 ft, casing information not available. Lsd 4,026.6 ft above msl. MP top of concrete foundation under pump, 1.2 ft above lsd. Highest water level 26.4 below lsd, July 25, 1946; lowest 48.9 below lsd, Feb. 4, 1964. Records available: 1946-47, 1949-51, 1953-65. Feb. 9, 1961, 43.4; Jan. 31, 1962, 45.3; Feb. 13, 1963, 47.4; Feb. 4, 1964, 48.9; Feb. 19, 1965, 47.4.

312250N1100639.1. Local number (D-23-22)33dcd. U.S. Government. Drilled observation water-table well in alluvial fill, diam 12 to 8 in, depth 92 ft, cased 0-92. Lsd about 4,200 ft above msl. MP top of casing, 3.4 ft above lsd. Highest water level 11.5 below lsd, Aug. 25, 1955; lowest 18.5 below lsd, July 15, 1961. Records available: 1954-63. Recorder removed; measurement discontinued.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.9	13.9	14.0	14.1	14.3	14.6	14.4	17.9	13.8	14.5	13.9	13.8
10	13.9	14.0	14.1	14.1	14.4	14.5	18.2	14.9	14.0	17.9	13.8	13.7
15	14.0	14.0	14.2	14.3	14.4	15.0	15.5	13.9	13.9	18.0	13.8	13.7
20	14.0	13.9	14.0	14.3	14.4	14.6	15.7	17.5	14.2	15.6	13.8	13.6
25	13.9	13.9	14.1	14.3	14.5	14.7	18.0	14.0	14.2	14.8	13.7	13.6
Eom	13.9	13.9	14.1	14.3	14.6	14.7	14.3	13.6	17.7	14.1	13.8	13.7

1962

5	13.6	13.6	13.7	12.7	14.2	14.3	14.0	13.9	14.8	14.5	14.4	14.3
10	13.7	13.6	13.5	....	14.3	14.5	14.2	14.1	14.6	14.5	14.4	14.5
15	13.7	13.6	13.5	17.5	14.0	17.8	14.4	14.4	14.3	14.5	14.4	14.4
20	13.7	13.7	13.5	13.8	14.0	14.4	14.3	14.5	14.2	14.4	14.4	14.3
25	13.6	13.7	13.5	14.0	17.4	14.3	14.1	14.4	14.3	14.5	14.4	14.3
Eom	13.5	13.8	13.6	13.9	17.5	14.1	14.0	14.6	14.4	14.4	14.4	14.3

1963

5	14.2	14.3	14.6	14.7	14.9	15.1	15.5	....	13.5	14.2	14.1	13.9
10	14.2	14.5	14.5	14.8	14.8	15.1	15.3	....	13.6	14.3	14.0	14.0
15	14.3	14.5	14.4	14.8	14.9	15.3	15.4	....	13.7	14.3	14.0	14.0
20	14.3	14.6	14.4	14.8	15.0	15.3	15.2	....	14.0	14.1	14.1	14.8
25	14.4	14.7	14.7	14.9	15.0	15.3	14.2	14.0	14.2	14.0	13.9	14.2
Eom	14.4	14.7	14.7	14.8	15.1	15.4	14.4	13.7	14.2	14.1	13.9	14.5

312226N1093728.1. Local number (D-24-27)5bdb. Fred Price. Dug stock water-table well in sand and gravel, diam 8 ft, depth 82 ft, lined with concrete. Lsd about 3,996 ft above msl. MP top of 2- × 12-in board, 1.0 ft above lsd. Highest water level 54.3 below lsd, May 26, 1942; lowest 67.5 below lsd, Feb. 18, 1965. Records available: 1942, 1944-57, 1959-65. Feb. 8, 1961, 64.3; Jan. 30, 1962, 64.5; Feb. 12, 1963, 69.5 (well pumped recently); Feb. 3, 1964, 65.6; Feb. 18, 1965, 67.5.

Coconino County

350925N1114400.1. Local number (A-21-6)35cbd. City of Flagstaff. Drilled municipal water-table well in Coconino Sandstone, diam 16 in, depth 1,600 ft, casing information not available. Lsd 7,136.7 ft above msl. MP top of $\frac{3}{4}$ -in pipe, 1.0 ft above lsd. Highest water level 1,228.0 below lsd, Dec. 8, 1954; lowest 1,241.2 below lsd, May 8, 1964. Records available: 1954-56, 1958, 1960, 1962-64. No measurement made in 1957, 1959, 1961 or 1965.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 8, 1954	1,228.0	Jan. 25, 1956	1,229.4	Jan. 21, 1960	1,232.4	June 13, 1963	1,235.2
Sept. 27, 1955	1,229.7	Jan. 25, 1958	1,229.3	May 30, 1962	1,235.5	May 8, 1964	1,241.2
Nov. 29	1,231.8	Nov. 19	1,229.4				

Gila County

332559N1104932.1. Local number (A-1-15)9aad. Kenneth Hoopes. Drilled industrial water-table well in sand and gravel, diam 12 in, depth 160 ft, casing information not available. Lsd 3,237.5 ft above msl. MP hole in casing, 2.0 ft above lsd (since Feb. 10, 1959). Highest water level 39.2 below lsd, Apr. 9, 1952; lowest 95.9 below lsd, Feb. 10, 1959. Records available: 1945-65. Feb. 13, 1961, 108.0 (nearly well being pumped); Mar. 7, 1962, 74.9; Mar. 7, 1963, 77.7; Mar. 3, 1964, 84.4; Mar. 1, 1965, 85.2.

332042N1104702.1. Local number (D-1-15)13bad. Schniffen. Drilled unused water-table well in sand and gravel, diam 6 in, depth 105 ft, casing information not available. Lsd about 3,800 ft above msl. MP top of casing, 0.2 ft above lsd. Highest water level 3.5 below lsd, May 5, 1949; lowest 39.5 below lsd, Feb. 14, 1961. Records available: 1946-55, 1957, 1959-65. Feb. 14, 1961, 39.5; Mar. 7, 1962, 7.1; Mar. 7, 1963, 7.4; Mar. 4, 1964, 38.4; Mar. 2, 1965, 7.0.

332136N1103615.1. Local number (D-1-17)10bdb. U. S. Indian Service. Drilled unused water-table well in alluvial fill, diam 8 in, reported depth 125 ft, casing information not available. Lsd about 2,995 ft above msl. MP top of casing, 0.5 ft above lsd. Highest water level 18.6 below lsd, Nov. 7, 1951; lowest 19.8 below lsd, Mar. 2, 1965. Records available: 1951-65. Feb. 13, 1961, 19.5; Mar. 6, 1962, 19.6; Mar. 6, 1963, 19.6; Mar. 3, 1964, 19.7; Mar. 2, 1965, 19.8.

330908N1104810.1. Local number (D-3-15)20ddb. Marvin Dodge. Drilled irrigation water-table well in Gila Conglomerate of Pliocene and Pleistocene age, diam 20 in, reported depth 300 ft, cased 0-193. Lsd not available (previously reported 2,732 ft). MP slot in casing, at lsd. Highest water level 81.6 below lsd, Feb. 25, 1960; lowest 102.2 below lsd, Sept. 11, 1957. Records available: 1952-65. Feb. 9, 1961, 98.5; Mar. 6, 1962, 94.7; Mar. 6, 1963, 89.5; Mar. 3, 1964, 98.3; Mar. 1, 1965, 97.0.

Graham County

330505N1100228.1. Local number (D-4-22)13dba. Aubrey Rabb. Drilled irrigation water-table well in sand and gravel, diam 16 in, reported depth 100 ft, casing information not available. Lsd about 2,640 ft above msl. MP hole in east side of pump-base, 1.8 ft above lsd. Highest water level 13.2 below lsd, Jan. 26, 1960; lowest 29.0 below lsd, Aug. 31, 1953. Records available: 1953-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1961	17.2	Aug. 22, 1961	18.2	Feb. 5, 1963	13.6	Aug. 4, 1964	18.0
Feb. 21	16.3	Sept. 26	17.6	Aug. 6	17.9	Feb. 2, 1965	15.2
Mar. 21	16.1	Oct. 24	17.4	Oct. 7	14.3	Apr. 6	15.1
Apr. 25	17.6	Jan. 29, 1962	13.5	Feb. 4, 1964	13.8	Aug. 3	15.6
May 23	17.3	Mar. 27	14.2	May 5	(a)	Oct. 26	15.8
July 25	18.0	Oct. 23	13.7				

a Well being pumped.

330204N1100311.1. Local number (D-4-22)35ada. Formerly 35ddd. Pat Hinton. Drilled stock water-table well in sand and gravel, diam 6 in, depth 75 ft, cased 0-75. Lsd 2,859.5 ft above msl. MP top of casing, 2.0 ft above lsd. Highest water level 17.1 below lsd, Feb. 11, 1943; lowest 39.4 below lsd, Mar. 29, 1940. Records available: 1939-44, 1946-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1961	31.7	Aug. 22, 1961	b36.2	Oct. 23, 1962	b30.1	Feb. 4, 1964	27.4
Feb. 21	31.4	Sept. 26	b34.9	Feb. 5, 1963	29.1	May 5	a26.6
Mar. 21	31.0	Oct. 24	32.6	Apr. 2	28.4	Aug. 4	a26.5
May 23	b31.7	Jan. 29, 1962	31.3	Aug. 6	a28.8	Oct. 13	a29.0
June 27	b35.8	Mar. 27	30.6	Oct. 8	a28.4	Apr. 6, 1965	27.5
July 25	32.0	Aug. 7	29.3				

a Well being pumped.

b Well pumped recently.

300323N1100013.1. Local number (D-4-23)29adc. T. D. Motes. Drilled irrigation water-table well in sand and gravel, diam 16 in, depth 83 ft, cased to 83, perforated 53-73. Lsd 2,705.7 ft above msl. MP hole in pumpbase, 0.9 ft above lsd. Highest water level 46.0 below lsd, Apr. 6, Aug. 3, 1965; lowest 63.2 below lsd, Feb. 15, 1948. Records available: 1940-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1961	48.8	Oct. 24, 1961	51.0	Aug. 6, 1963	51.9	Oct. 13, 1964	49.23
Feb. 21	48.5	Jan. 29, 1962	49.0	Oct. 8	48.7	Feb. 2, 1965	46.2
Mar. 27	48.5	Mar. 27	47.5	Feb. 4, 1964	46.7	Apr. 6	46.0
June 27	52.3	Aug. 7	50.9	May 5	(a)	Aug. 3	46.0
Aug. 22	53.2	Oct. 23	50.4	Aug. 5	51.3	Oct. 26	46.7
Sept. 26	51.3	Feb. 5, 1963	46.6				

a Well being pumped.

325628N1095438.1. Local number (D-6-24)5acc. M. J. Ferguson. Drilled irrigation water-table well in sand and gravel, diam 16 in, depth 64 ft, cased 0-64. Lsd 2,779.6 ft above msl. MP hole in casing, 1.5 ft above lsd. Highest water level 35.9 below lsd, May 29, 1941; lowest 57.7 below lsd, June 28, 1955. Records available: 1940-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1961	47.3	Aug. 22, 1961	50.5	Feb. 5, 1963	41.1	Aug. 5, 1964	43.6
Feb. 21	46.9	Sept. 26	50.0	Apr. 2	40.6	Oct. 13	44.2
Mar. 21	46.4	Oct. 24	49.7	Aug. 6	43.6	Feb. 2, 1965	42.2
Apr. 25	46.7	Jan. 29, 1962	45.7	Oct. 8	41.7	Apr. 6	40.4
May 23	47.6	Mar. 27	47.4	Feb. 4, 1964	40.2	Aug. 2	42.2
June 27	48.9	Aug. 7	43.2	May 5	40.5	Oct. 26	42.6
July 25	49.8	Oct. 23	43.6				

325410N1094806.1. Local number (D-6-25)20aaa. Vance Marshall. Drilled irrigation water-table well in sand and gravel, diam 16 in, depth 46 ft, cased 0-46. Lsd 2,821.6 ft above msl. MP top of casing, 0.3 ft above lsd. Highest water level 10.8 below lsd, May 26, 1941; lowest 29.6 below lsd, Oct. 30, 1956. Records available: 1939-46, 1948-50, 1952-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1961	14.9	Aug. 22, 1961	21.4	Feb. 5, 1963	13.6	Aug. 4, 1964	19.3
Feb. 21	14.7	Sept. 26	19.2	Apr. 2	c16.3	Oct. 13	17.1
Mar. 21	15.8	Oct. 24	19.3	Aug. 6	c17.4	Feb. 2, 1965	14.8
Apr. 25	16.7	Jan. 29, 1962	14.4	Oct. 8	14.7	Apr. 6	13.9
May 23	18.7	Mar. 27	13.9	Feb. 4, 1964	13.6	Aug. 3	16.3
June 27	20.8	Aug. 7	17.7	May 5	17.4	Oct. 26	15.8
July 25	22.6	Oct. 23	15.3				

c Nearly well being pumped.

325224N1093050.1. Local number (D-6-28)31aab. J. W. Irvin. Drilled unused water-table well in Gila Conglomerate, diam 16 in, depth 540 ft, casing information not available. Lsd about 3,150 ft above msl. MP hole in pumpbase, 2.50 ft above lsd (since Aug. 10, 1964). Highest water level 23.6 below lsd, June 2, 1952; lowest 43.1 below lsd, Jan. 7, 1957. Records available: 1951-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1961	34.0	Apr. 30, 1962	26.8	July 29, 1963	31.8	Oct. 26, 1964	35.3
Feb. 27	33.2	May 14	26.7	Aug. 5	32.1	Nov. 29	36.3
Mar. 20	31.8	June 4	27.4	Sept. 30	30.9	Dec. 21	35.6
Apr. 10	31.7	July 2	29.0	Oct. 7	29.3	Jan. 25, 1965	35.1
May 15	31.7	Aug. 6	29.4	Nov. 18	28.7	Feb. 22	33.4
June 5	31.9	Sept. 3	33.0	Dec. 2	30.3	Mar. 22	32.3
July 3	33.2	Oct. 22	31.6	Jan. 27, 1964	32.9	Apr. 26	31.2
Aug. 7	36.0	Nov. 19	31.5	Feb. 17	b32.2	May 31	31.7
Sept. 25	37.3	Dec. 3	32.3	Mar. 2	(a)	June 28	32.9
Oct. 10	37.1	Jan. 7, 1963	33.8	Apr. 27	34.5	July 26	33.1
Nov. 27	35.8	Feb. 25	32.5	May 4	(a)	Aug. 30	35.0
Dec. 26	33.1	Mar. 25	30.6	June 8	35.1	Sept. 27	38.0
Jan. 22, 1962	32.5	Apr. 29	28.7	July 27	35.3	Oct. 25	35.9
Feb. 26	29.4	May 13	28.8	Aug. 24	34.5	Nov. 22	36.4
Mar. 26	29.2	June 3	30.1	Sept. 21	35.8		

a Well being pumped.

b Well pumped recently.

324849N1094035.1. Local number (D-7-26)bab (previously reported 22bac). Lee Johns. Drilled irrigation water-table well in sand and gravel, diam 16 in, depth 90 ft, cased to 90. Lsd 2,950.3 ft above msl. MP top of casing, 0.5 ft above lsd. Highest water level 20.3 below lsd, May 25, 1942; lowest 68.2 below lsd, July 1, 1957. Records available: 1940-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1961	36.1	Sept. 25, 1961	53.4	Feb. 4, 1963	31.2	Feb. 1, 1965	36.3
Feb. 20	34.8	Oct. 24	51.0	Aug. 5	43.8	Apr. 5	36.4
May 22	51.6	Jan. 29, 1962	40.1	Oct. 7	34.7	Aug. 2	38.8
June 26	55.2	Mar. 26	37.5	Feb. 3, 1964	30.3	Oct. 25	41.2
Aug. 21	59.9	Oct. 22	38.3	Oct. 12	42.7		

324413N1091355.1. Local number (D-8-21)18dad. J. D. Williams. Drilled irrigation water-table well in alluvial fill, diam 12 in, reported depth 140 ft, casing information not available. Lsd about 3,860 ft above msl. MP hole in north side of pump-base, 1.5 ft above lsd. Highest water level 32.3 below lsd, Feb. 3, 1960; lowest 43.1 below lsd, Dec. 18, 1957. Records available: 1955-57, 1959-1962, 1964-65. No measurement made in 1963. Jan. 26, 1961, 38.5; Feb. 7, 1962, 33.7; Feb. 7, 1964, 38.2; Mar. 12, 1965, 35.5.

324509N1094425.1. Local number (D-8-25)12acc. Andrew Angle. Drilled unused artesian well in alluvial fill, diam 4 in, depth unknown, casing information not available. Lsd about 3,215 ft above msl. MP top of casing, 4.0 ft above lsd. Highest water level 3.8 below lsd, Dec. 28, 1946; lowest 27.9 below lsd, Feb. 4, 1963. Records available: 1946-63. Obstruction at 32 ft, 1964. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1961	24.8	May 22, 1961	25.5	Sept. 25, 1961	27.0	Aug. 6, 1962	26.6
Feb. 20	24.7	June 26	26.6	Oct. 22	26.5	Feb. 4, 1963	27.9
Mar. 20	24.7	July 24	27.0	Jan. 29, 1962	25.5	Apr. 1	26.8
Apr. 24	25.0	Aug. 21	27.1	Mar. 19	25.1		

324501N1094414.1. Local number (D-8-25)12dba. Andrew Angle. Drilled irrigation water-table well in alluvial fill, diam 12 in, reported depth 400 ft, cased to 300, perforated 50-300. Lsd about 3,235 ft above msl. MP hole in casing, at lsd (since Apr. 5, 1965). Highest water level 55.6 below lsd, Mar. 13, 1950; lowest 102.9 below lsd, Oct. 13, 1964. Records available: 1950-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1961	73.2	Jan. 29, 1962	64.4	Apr. 1, 1963	64.4	Feb. 1, 1965	74.1
Mar. 20	71.2	Mar. 19	62.4	Aug. 5	101.54	Apr. 5	77.9
Apr. 24	100.7	Aug. 6	59.5	Oct. 22	99.0	Aug. 2	93.9
Sept. 25	99.1	Oct. 22	58.1	Feb. 3, 1964	81.8	Oct. 30	92.0
Oct. 22	81.6	Feb. 4, 1963	65.0	Oct. 13	102.9		

324115N1094148.1. Local number (D-8-26)33ccc. R. G. Layton. Drilled irrigation artesian well in alluvial fill, diam 16 in, reported depth 400 ft, casing information not available. Lsd about 3,340 ft above msl. MP top of casing, 1.4 ft above lsd (since Aug. 5, 1963). Highest water level 17.0 below lsd, Mar. 13, 1950; lowest 50.6 below lsd, July 25, 1960. Records available: 1950-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1961	32.8	Mar. 19, 1962	40.3	Oct. 7, 1963	c98.6	Feb. 1, 1965	36.2
Feb. 20	32.2	Aug. 6	c101.7	Feb. 4, 1964	35.4	Apr. 5	c67.7
Mar. 20	45.1	Feb. 4, 1963	33.2	May 4	c98.2	Aug. 2	42.3
Oct. 22	38.2	Apr. 1	34.3	Aug. 3	42.3	Oct. 30	42.5
Jan. 29, 1962	32.7	Aug. 5	48.2	Oct. 13	c80.8		

c Nearby well being pumped.

323130N1095748.1. Local number (D-10-23)35acb. 76 Ranch. Drilled stock water-table well in alluvial fill, diam 6 in, reported depth 350 ft, casing information not available. Lsd about 4,465 ft above msl. MP top of casing, 1.8 ft above lsd. Highest water level 224.1 below lsd, Feb. 5, 1963; lowest 250.5 below lsd, Sept. 25, 1957. Records available: 1946, 1949-57, 1959-65. Jan. 26, 1961, 242.1; Feb. 7, 1962, 245.3; Feb. 5, 1963, 224.1; Feb. 7, 1964, 248.8; Feb. 12, 1965, 246.8.

Greenlee County

325114N1091058.1. Local number (D-7-31)4bcc. J. C. Meritt (erroneously reported J. C. Merritt). Drilled irrigation water-table well in sand and gravel, diam 20 in, depth 75 ft, casing information not available. Lsd 3,544.4 ft above msl. MP hole in pumpbase, 0.6 ft above lsd. Highest water level 24.2 below lsd, May 5, 1941; lowest 41.0 below lsd, Aug. 8, 1956. Records available: 1939-43, 1945-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1961	31.9	Sept. 25, 1961	35.7	Feb. 4, 1963	27.6	May 4, 1964	34.1
Feb. 20	25.9	Oct. 22	34.4	Apr. 1	28.1	Aug. 5	(a)
May 22	33.1	Jan. 29, 1962	28.5	Aug. 5	37.4	Oct. 12	30.7
June 26	34.6	Mar. 26	31.4	Oct. 7	32.4	Feb. 1, 1965	27.4
July 24	34.6	Oct. 22	31.5	Feb. 3, 1964	29.1		

a Well being pumped.

314119N1090528.1. Local number (D-8-32)32cda. Delbert Meyers. Drilled domestic water-table well in sand and gravel, diam 4 in, depth 110 ft, casing information not available. Lsd 3,716.0 ft above msl. MP top of casing, 0.5 ft above lsd. Highest water level 22.7 below lsd, Mar. 15, 1945; lowest 38.6 below lsd, Aug. 27, 1951. Records available: 1939-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1961	28.0	Aug. 21, 1961	27.5	Feb. 4, 1963	26.3	Aug. 5, 1964	23.9
Feb. 20	28.1	Sept. 25	27.3	Apr. 1	25.4	Oct. 12	23.6
Mar. 20	28.3	Oct. 22	27.4	Aug. 5	24.7	Feb. 1, 1965	24.7
Apr. 24	28.1	Jan. 29, 1962	27.7	Oct. 7	23.9	Apr. 5	24.2
May 22	27.9	Mar. 26	27.6	Feb. 3, 1964	24.4	Aug. 9	23.1
June 26	28.0	Aug. 1	26.1	May 4	23.9	Oct. 25	22.8
July 24	27.8	Oct. 22	25.8				

Maricopa County

332749N1121520.1. Local number (A-1-1)4aaa2. Isabell-Hartner Ranches. Drilled irrigation water-table well in sand and gravel, diam 20 in, depth 514 ft, cased to 365, perforated 150-355. Lsd about 1,025 ft above msl. MP below pumpbase, 0.5 ft above lsd. Highest water level 111.1 below lsd, Feb. 2, 1953; lowest 184.9 below lsd, Feb. 13, 1954. Records available: 1953-60, 1962-64. No measurement made in 1961 or 1965. Feb. 1, 1962, 171.7; Feb. 1, 1963, 184.3 (nearby well being pumped); Feb. 13, 1964, 184.9; Dec. 16, 1963, 193.3 (nearby well being pumped).

332427N115633.1. Local number (A-1-4)27bbb. Salt River Valley Water Users Association. Drilled unused water-table well in alluvium, diam 18 in, depth 150 ft, cased to 150, perforated 48-131. Lsd about 1,160 ft above msl. MP top of casing, at lsd. Highest water level 40.9 below lsd, Jan. 28, 1953; lowest 81.2 below lsd, Mar. 23, 1965. Records available: 1951, 1953, 1956-65. No measurement made in 1952 or 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 19, 1951	42.5	Jan. 28, 1950	64.5	Dec. 21, 1964	79.2	July 20, 1965	73.2
28	42.6	Jan. 18, 1961	67.2	Jan. 20, 1965	79.2	Aug. 20	73.2
Jan. 28, 1953	40.9	Jan. 13, 1962	76.2	Feb. 22	80.0	Sept. 20	73.0
Jan. 16, 1956	52.8	Jan. 31, 1963	76.5	Mar. 23	81.2	Oct. 21	73.1
Feb. 13, 1957	56.8	Feb. 20, 1964	74.0	Apr. 20	80.0	Nov. 22	72.8
Jan. 16, 1958	59.9	Oct. 22	80.2	May 21	76.7	Dec. 20	72.8
Jan. 14, 1959	60.2	Nov. 20	79.5	June 23	73.9		

332448N114212.1. Local number (A-1-6)23daa. New Hope. Formerly Logan Stillwell. Drilled domestic water-table well in sand and gravel, diam 10 in, depth 408 ft, cased to 0-328. Lsd 1,375.7 ft above msl. MP top of pumpbase, 0.5 ft above lsd. Highest water level 229.2 below lsd, Mar. 19, 1946; lowest 466.8 below lsd, Jan. 8, 1964. Records available: 1946, 1948-64. No measurement made in 1965. Well deepened to 600 ft in 1961. Feb. 7, 1961, 420.3; Apr. 12, 1962, 451.3 (well pumped recently); Jan. 14, 1963, 454.6; Jan. 8, 1964, 466.8.

330749N1121344.1. Local number (A-3-1)35baa. Otis Cook. Drilled domestic water-table well in sand and gravel, diam 6 in, depth 217 ft, casing information not available. Lsd about 1,130 ft above msl. MP top of casing, 0.3 ft above lsd. Highest water level 54.5 below lsd, Mar. 20, 1946; lowest 185.8 below lsd, Dec. 7, 1964. Records available: 1946-64. No measurement made in 1965. Feb. 15, 1961, 170.1; Feb. 2, 1962, 174.8; Jan. 31, 1963, 180.1 (nearby well being pumped); Feb. 13, 1964, 180.3 (nearby well being pumped); Dec. 7, 1965, 8.

333824N1115458.1. Local number (A-3-4)2bad. George L. Ellis. Drilled unused water-table well in alluvium, diam 20 in, depth 1,585 ft, cased to 1,100, perforated 300-1,100, open hole 1,100-1,585. Lsd 1,527 ft above msl. MP hole in west side of pumpbase, 1.00 ft above lsd. Highest water level 273.3 below lsd, Jan. 25, 1952; lowest 309.0 below lsd, Feb. 7, 1961. Records available: 1952-65.

Jan. 25, 1952	273.3	Mar. 3, 1955	278.5	Jan. 21, 1959	285.6	Feb. 8, 1963	294.3
Oct. 21	276.7	Jan. 3, 1956	279.5	Feb. 23, 1960	291.5	10	296.8
Nov. 11, 1953	278.6	Feb. 13, 1957	280.8	Feb. 7, 1961	309.0	Jan. 10, 1965	299.3
Feb. 2, 1954	277.9	Jan. 24, 1958	282.7	Feb. 20, 1962	292.0		

333916N1120557.1. Local number (A-4-2)36aaa. Turf. Paradise Inc. Drilled unused water-table well in alluvium, diam 20 in, depth 670 ft, cased to 670, perforated 300-655. Lsd about 1,373 ft above msl. MP northeast edge of casing, 0.50 ft above lsd. Highest water level 273.1 below lsd, Dec. 20, 1948; lowest 489.7 below lsd, Dec. 3, 1964. Records available: 1948, 1954-55, 1957-61, 1963-64. No measurement made in 1949-53, 1956, 1962 or 1965.

Dec. 20, 1948	273.1	Jan. 30, 1957	401.2	Mar. 25, 1960	433.9	Jan. 22, 1964	480.1
Feb. 10, 1954	364.6	Jan. 9, 1958	410.4	Feb. 13, 1961	446.5	Dec. 3	489.7
Jan. 4, 1955	387.8	Jan. 7, 1959	417.5	Jan. 30, 1963	468.2		

332541N1122448.1. Local number (B-1-2)13 adc. Formerly (B-1-2)13acd. Roosevelt Irrigation District. Drilled unused (previously reported irrigation) water-table well in sand and gravel, diam 20 in, depth 155 ft, perforated 40-130. Lsd 958.9 ft above msl. MP at pumpbase, at lsd. Highest water level 39.0 below lsd, Apr. 30, 1928; lowest 87.3 below lsd, Feb. 3, 1965. Records available: 1928-31, 1934-41, 1944-45, 1947-65. Mar. 16, 1961, 79.1; Jan. 9, 1962, 79.3; Feb. 1, 1963, 78.3; Jan. 21, 1964, 86.7; Feb. 3, 1965, 87.3.

331820N1123306.1. Local number (B-1-3)34bbb. Roosevelt Irrigation District. Drilled irrigation water-table well in sand and gravel, diam 20 in, depth 200 ft, perforated 74-176. Lsd 916.7 ft above msl. MP top of casing, at lsd. Highest water level 54.2 below lsd, June 1, 1944; lowest 80.2 below lsd, Jan. 22, 1964. Records available: 1928-58, 1960, 1963-65. No measurement made in 1961-62. Feb. 1, 1963, 78.8; Jan. 22, 1964, 80.2; Feb. 3, 1965, 80.0.

332446N1131143.1. Local number (B-1-9)21bccc. E. F. Shepard. Drilled unused water-table well in alluvium, diam 20 in, depth 1,068 ft, perforated 350-825, 900-1,058. Lsd 1,146 ft above msl. MP top edge of casing, at lsd. Highest water level 179.6 below lsd, Dec. 9, 1952; lowest 231.1 below lsd, Dec. 30, 1965. Records available: 1952, 1957, 1959-63, 1965. No measurement made in 1953-56, 1958 or 1964.

Dec. 9, 1952	179.6	Apr. 20, 1960	219.5	Mar. 28, 1962	239.6	Feb. 9, 1965	281.0
Jan. 2, 1957	184.9	Jan. 6, 1961	253.4	Feb. 13, 1963	254.4	Dec. 30	291.1
Jan. 30, 1959	197.4						

332327N1122806.1. Local number (B-2-2)4dcb. Maricopa County Municipal Water Conservation District No. 1. Drilled unused water-table well in sand and gravel, diam 20 in, depth 500 ft, perforated 204-484. Lsd about 1,205 ft above msl. MP top of casing, 1.0 ft above lsd. Highest water level 183.7 below lsd, May 17, 1940; lowest 323.2 below lsd, Jan. 19, 1965. Records available: 1940-42, 1946-65. Mar. 1, 1961, 299.1; Jan. 29, 1962, 307.0; Jan. 24, 1963, 300.7; Feb. 6, 1964, 318.9; Jan. 19, 1965, 323.2.

333715N1122300.1. Local number (B-3-1)8abb. Westside Farms Inc. Formerly R. I. C. Manning. Drilled irrigation water-table well in sand and gravel, diam 20 in, reported depth 800 ft, perforated 200-800. Lsd 1,217.4 ft above msl. MP on pump base, at lsd. Highest water level 246.1 below lsd, Jan. 29, 1952; lowest 393.1 below lsd, Jan. 26, 1962. Records available: 1951-58, 1962-1963, 1965. No measurement made in 1961 or 1964. Jan. 26, 1962, 393.1; Jan. 24, 1963, 347.3; Jan. 21, 1965, 359.4.

334230N1122230.1. Local number (B-4-1)9bcd. Formerly (B-4-1)8daa. Maricopa County Municipal Water Conservation District No. 1. Drilled unused water-table well in sand and gravel, diam 20 in, depth 500 ft, perforated 182-484. Lsd about 1,335 ft above msl. MP top of cover, 4.0 ft above lsd. Highest water level 180.0 below lsd, Nov. 28, 1938; lowest 330.0 below lsd, Nov. 27, 1955. Records available: 1938, 1940-42, 1944, 1946-65. Mar. 14, 1961, 294.4; Jan. 23, 1962, 299.5; Dec. 12, 311.7; Jan. 31, 1963, 312.5; Feb. 7, 1964, 316.4; Dec. 11, 322.9; Nov. 27, 1965, 330.0.

332230N1124306.1. Local number (C-1-5)1aab. Charles Yokum. Drilled stock water-table well in sand and gravel, diam 6 in, depth 185 ft, casing information not available. Lsd 918.8 ft above msl. MP top of casing, at lsd. Highest water level 62.8 below lsd, Oct. 25, 1946; lowest 101.5 below lsd, Aug. 20, 1962. Records available: 1946-63. Well dry; measurement discontinued.

332230N1124306.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 26, 1961	96.0	Oct. 26, 1961	98.0	Mar. 12, 1962	92.4	Nov. 21, 1962	96.5
June 23	98.7	Nov. 20	95.4	Apr. 12	99.0	Dec. 20	95.0
July 23	99.4	Dec. 14	93.0	June 15	99.3	Jan. 21, 1963	95.1
Aug. 24	99.9	Jan. 10, 1962	92.1	July 19	101.3	Feb. 20	95.0
Sept. 26	100.4	Feb. 19	88.5	Aug. 20	101.5	Mar. 21	97.0

332045N1125757.1. Local number (C-1-7)15bbb. Lee C. Underdown. Drilled unused water-table well in sand and gravel, diam 20 in, depth 650 ft, perforated 184-254. Lsd 948.9 ft above msl. MP top of casing, 0.3 ft above lsd. Highest water level 178.2 below lsd, Mar. 4, 1949; lowest 208.0 below lsd, Mar. 27, 1962. Records available: 1949-65. Apr. 5, 1961, 195.9; Mar. 27, 1962, 208.0; Feb. 13, 1963, 200.2; Dec. 27, 1964, 202.4; Feb. 15, 1965, 205.3.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 18, 1954	260.2	Jan. 14, 1959	301.9	Jan. 19, 1961	311.6	Feb. 19, 1964	321.3
Jan. 27, 1955	267.7	Mar. 1, 1960	317.2	Mar. 6, 1963	315.9	Feb. 1, 1965	330.4
Jan. 4, 1956	277.1						

331817N114051.1. Local number (D-1-7)31bac. Williams Air Force Base. Drilled unused water-table well in alluvium, diam 20 in, depth 500 ft, cased to 500, perforated 150-480. Lsd 1,334 ft above msl. MP top of sheet metal flange, 0.80 ft above lsd. Highest water level 172.3 below lsd, Mar. 31, 1954; lowest 213.0 June 28, 1960. Records available: 1954-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 31, 1954	172.3	Jan. 26, 1959	198.2	Dec. 15, 1961	203.1	Apr. 20, 1965	207.7
Dec. 6	182.3	Nov. 24	203.8	Jan. 17, 1962	203.4	May 21	208.4
Jan. 3, 1955	179.4	Jan. 4, 1960	195.0	Dec. 20	205.6	June 23	208.8
Dec. 27	186.0	Feb. 16	196.2	Jan. 21, 1963	204.0	July 20	210.2
Jan. 27, 1956	181.7	Mar. 31	207.5	Dec. 20	203.9	Aug. 20	211.1
Dec. 26	189.0	May 11	208.7	Jan. 20, 1964	203.8	Sept. 20	211.1
Jan. 27, 1957	190.8	June 10	211.4	Dec. 21	204.2	Oct. 21	208.4
Nov. 27	195.1	June 28	213.0	Jan. 20, 1965	201.3	Nov. 22	205.9
Jan. 27, 1958	196.4	Nov. 28	202.8	Feb. 22	201.3	Dec. 20	202.9
Dec. 31	201.0	Dec. 27	200.2	Mar. 23	206.8		

331541N115022.1. Local number (D-2-5)15bbb. Jack Cornett. Drilled domestic water-table well in sand and gravel, diam 6 in, depth 400 ft, casing information not available. Lsd 1,214.0 ft above msl. MP top of casing, 0.8 ft above lsd. Highest water level 40.2 below lsd, Mar. 23, 1945; lowest 168.8 below lsd, Feb. 3, 1965. Records available: 1945-62, 1965. No measurement made in 1963-64. Jan. 20, 1961, 143.8; Jan. 18, 1962, 148.4; Feb. 3, 1965, 168.8.

331556N113502.1. Local number (D-2-7)12ddd. L. M. Mecham. Drilled irrigation water-table well in sand and gravel, diam 20 in, depth 600 ft, perforated 250-585. Lsd 1,456.6 ft above msl. MP top of concrete base, 0.3 ft above lsd. Highest water level 177.0 below lsd, Feb. 28, 1948; lowest 319.1 below lsd, Jan. 28, 1963. Records available: 1948-60, 1963. No measurement made in 1961-62. Measurement discontinued. Jan. 28, 1963, 319.1.

Mohave County

344021N1133515.1. Local number (B-15-13)2ab. Dr. A. E. Carter. Dug domestic and stock water-table well in sand and gravel, diam 4 ft, depth 20 ft, cased 0-20. Lsd about 1,855 ft above msl. MP top of manhole cover, 1.0 ft above lsd. Highest water level 9.2 below lsd, Apr. 15, 1961; lowest 18.5 below lsd, Aug. 3, 1951. Records available: 1945-64. Measurement discontinued; replaced by (B-16-13)36ccc. Apr. 15, 1961, 9.2; Apr. 4, 1962, 16.1; Feb. 11, 1963, 15.4; Jan. 27, 1964, 15.5.

344040N1133425.1. Local number (B-16-13)36ccc. Richard Banegas. Dug domestic and stock water-table well in sand and gravel, diam 12 in, depth unknown, casing information not available. Lsd not available. MP top of 2- x 4-in on casing, 1.5 ft above lsd. Highest water level 9.7 below lsd, Jan. 12, 1945; lowest 13.6 below lsd, Oct. 20, 1956. Records available: 1945-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1945	9.7	July 7, 1949	11.1	Oct. 4, 1954	12.0	Jan. 28, 1959	10.7
June 9	10.5	Aug. 2, 1950	11.7	June 1, 1955	11.4	Mar. 8, 1960	11.0
Oct. 1	11.0	Feb. 24, 1951	10.3	Nov. 8	11.0	Apr. 18, 1961	11.4
June 26, 1946	12.0	Aug. 3	12.4	June 18, 1956	12.1	Apr. 4, 1962	10.7
Nov. 16	10.8	Apr. 11, 1952	10.2	Oct. 20	13.6	Feb. 11, 1963	11.3
June 16, 1947	10.8	Sept. 29	11.7	May 31, 1957	11.4	Jan. 27, 1964	11.2
July 7, 1948	10.7	Aug. 10, 1953	10.3	Feb. 22, 1958	11.5	Jan. 25, 1965	12.0
Oct. 19	11.4	July 21, 1954	11.1				

351124N1140230.1. Local number (B-21-17)24cd. E. A. Kier. Drilled domestic water-table well in sand and gravel, diam 6 in, depth 120 ft, casing information not available. Lsd about 5,500 ft above msl. MP top of 6- x 6-in timber, 1.0 ft above lsd. Highest water level 101.5 below lsd, Aug. 14, 1944; lowest 120.0 below lsd, Feb. 12, 1963. Records available: 1944-65. Apr. 19, 1961, 114.9; Apr. 4, 1962, 117.1; Feb. 12, 1963, 120.0; Jan. 28, 1964, 119.9; Mar. 2, 1965, 119.4.

Navajo County

345212N1100626.1. Local number (A-17-21)10bc. Formerly (A-17-21)7bb. Loe! Reynolds. Drilled unused water-table well in Coconino Sandstone, diam 6 in, depth 160 ft, casing information not available. Lsd about 5,140 ft above msl. MP top of casing, 1.0 ft above lsd. Highest water level 52.1 below lsd, Apr. 23, 1965; lowest 53.5 below lsd, July 3, 1952. Records available: 1952-58, 1960-65. No measurement made in 1959.

345212N1100626.1. --Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 3, 1952	53.5	May 3, 1956	52.7	Apr. 8, 1960	52.4	Oct. 23, 1963	52.5
July 30, 1953	52.6	Oct. 22	52.8	Oct. 7	52.4	Nov. 5, 1964	53.0
Oct. 9, 1954	52.8	May 17, 1957	52.7	Apr. 28, 1961	52.5	Apr. 23, 1965	52.1
June 27, 1955	52.6	Oct. 16	52.6	Apr. 12, 1962	52.4	Oct. 4	52.2
Oct. 28	52.9	Apr. 18, 1958	52.4	Apr. 12, 1963	52.6		

Pima County

322731N1111816.1. Local number (D-11-10)22add. Tom Greenfield. Drilled domestic and irrigation water-table well in sand and gravel, diam 20 in, reported depth 600 ft, cased to 600, perforated 145-582. Lsd 1,914.6 ft above msl. MP north side of pumpbase, 0.9 ft below lsd. Highest water level 140.7 below lsd, Feb. 28, 1940; lowest 224.5 below lsd, Jan. 8, 1965. Records available: 1940, 1942, 1945-48, 1950-57, 1961, 1964-65. No measurement made in 1962-63. Feb. 6, 1961, 2'1.5; Jan. 2, 1964, 222.7; Jan. 8, 1965, 224.5.

322330N110725.1. Local number (D-12-12)16bad. Cortaro Water Users Association. Drilled unused water-table well in sand and gravel, diam 24 to 18 in, reported depth 300 ft, cased to 292, perforated 75-285. Lsd about 2,085 ft above msl. MP top of casing, at lsd. Highest water level 74.7 below lsd, Feb. 20, 1940; lowest 123.3 below lsd, Aug. 25, 1948. Records available: 1939-57, 1959-1963, 1965. No measurement made in 1964. Feb. 3, 1961, 104.7; Feb. 2, 1962, 106.2; Oct. 16, 121.2; Jan. 31, 1963, 110.4; Jan. 15, 1965, 102.0.

321456N1111608.1. Local number (D-13-11)31ccc. Jones-Avra Farms. Drilled irrigation water-table well in alluvial fill, diam 20 in, reported depth 900 ft, cased 0-736, perforated 234-736. Lsd about 2,210 ft above msl. MP hole in pumpbase, 1.0 ft above lsd (previously reported 2.5 ft). Highest water level 276.2 below lsd, Mar. 6, 1953; lowest 348.6 below lsd, Jan. 11, 1965. Records available: 1953-57, 1959-1963, 1965. No measurement made in 1964. Feb. 7, 1961, 331.0; Feb. 13, 1962, 340.0; Feb. 18, 1963, 334.4; Jan. 11, 1965, 348.6.

320513N1111710.1. Local number (D-15-13)35aaa. Mr. and Mrs. Bucklaw (previously reported as State of Arizona). Drilled unused water-table well in sand and gravel, diam 6 in, depth 295 ft, cased 0-295. Lsd 2,531.1 ft above msl. MP top of casing, at lsd. Highest water level 212.2 below lsd, Oct. 7, 1948; lowest 223.5 below lsd, Jan. 13, 1965. Records available: 1940-42, 1944, 1946-57, 1959-65. Feb. 2, 1961, 221.9; Feb. 14, 1962, 222.3; Oct. 10, 222.7; Jan. 28, 1963, 222.8; Jan. 2, 1964, 223.2; Jan. 13, 1965, 223.5.

320906N1105927.1. Local number (D-15-13)2cca. City of Tucson. Dug and drilled unused water-table well in sand and gravel, diam 12 in, depth 104 ft, casing information not available. Lsd about 2,430 ft above msl. MP top of casing, 3.9 ft above lsd. Highest water level 28.9 below lsd, Sept. 10, 1964; lowest 90.6 below lsd, July 10-11, 1964. Records available: 1942-65.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	67.8	67.3	67.5	68.9	70.8	72.5	75.0	65.9	61.5	65.9	72.4	71.7
10	67.8	67.9	67.7	69.3	71.1	72.8	75.3	69.2	63.6	69.1	72.1	71.6
15	67.9	67.0	68.1	69.4	71.4	73.2	75.9	66.2	56.2	70.3	72.1	71.2
20	67.8	67.1	68.3	69.7	71.8	73.6	76.2	66.2	56.4	71.8	71.9	63.2
25	67.5	67.1	68.5	69.9	72.0	74.2	70.7	64.4	58.4	72.8	71.8	64.1
Eom	67.4	67.3	68.5	70.2	72.2	74.8	67.5	59.3	61.1	72.5	71.8	65.1
1962												
5	65.7	61.4	66.6	69.0	71.4	73.3	75.6	76.8	75.0	68.0	77.1	76.2
10	66.0	62.9	67.5	69.4	71.8	73.6	75.8	77.0	71.7	69.7	76.8	76.0
15	66.6	63.8	67.6	69.9	72.1	73.9	76.2	77.4	72.8	71.8	76.7	75.7
20	66.8	64.7	68.1	70.3	72.3	74.2	76.5	77.6	74.8	74.0	76.6	75.4
25	67.4	65.4	68.1	70.8	72.7	74.9	76.6	77.2	76.3	75.4	76.6	75.4
Eom	60.4	66.0	68.6	71.1	72.9	75.6	76.7	75.3	65.0	76.7	76.5	75.2
1963												
5	74.9	74.5	74.8	76.3	78.0	80.1	82.6	50.5	45.8	82.0	82.9	77.9
10	74.6	74.4	75.1	76.8	78.2	80.4	83.1	52.1	51.1	82.9	80.4	78.9
15	74.4	74.4	75.2	77.1	78.6	80.8	79.5	57.7	59.4	82.9	80.2	80.5
20	74.5	74.3	75.3	77.4	78.9	81.3	72.9	52.4	67.7	82.9	80.7	81.2
25	74.3	74.5	75.7	77.6	79.4	81.8	73.1	50.7	73.7	82.6	75.2	81.1
Eom	74.5	74.6	76.0	77.6	79.7	82.3	53.8	49.4	79.8	82.9	76.3	81.3
1964												
5	81.3	80.6	81.4	82.6	84.9	87.5	90.2	44.7	43.9	39.7	73.4	80.5
10	81.0	80.7	81.3	82.8	85.2	88.0	90.6	40.8	25.9	44.7	76.3	80.5
15	80.9	80.8	81.5	83.2	85.6	88.5	...	34.4	32.7	48.5	78.1	80.1
20	80.8	81.0	81.7	83.7	86.0	89.0	...	36.9	...	53.2	78.8	80.3
25	81.0	81.2	81.7	84.2	86.5	89.4	55.6	39.7	35.5	59.8	79.3	79.9
Eom	81.0	81.4	82.2	84.5	87.0	89.7	38.3	37.6	36.9	65.5	79.9	79.5
1965												
5	79.2	78.6	78.5	78.7	80.6	82.1	84.3	84.1	57.1	83.3	85.5	83.7
10	79.0	78.5	78.6	78.6	80.8	82.3	84.8	85.5	66.0	85.6	85.5	81.1
15	79.2	78.3	78.3	79.0	80.9	82.6	84.4	86.1	65.7	86.3	85.3	47.0
20	79.1	78.0	78.2	79.4	81.2	83.0	80.1	84.9	65.5	86.4	85.0	39.6
25	79.2	78.3	78.5	79.7	81.5	83.2	80.6	79.9	73.4	86.2	84.5	32.2
Eom	78.7	78.3	78.6	80.2	81.9	83.8	82.5	81.4	79.9	85.8	84.1	35.8

315700N105719.1. Local number (D-17-14)18cab. Arizona State Highway Dept. Dug and drilled observation water-table well in sand and gravel, diam 36 to 12 in, depth 124 ft, cased 0-124. Lsd about 2,710 ft above msl. MP top of concrete curb, 1.0 ft above lsd. Highest water level 52.2 below lsd, Jan. 2, 1940; lowest 88.4 below lsd, June 27, 1963. Records available: 1939-65.

315700N1105719.1. --Continued.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	82.7	83.8	84.6	84.4	83.2	82.0	82.3	82.9	82.5	81.0	80.1	80.7
10	83.0	83.9	84.6	84.2	83.0	81.9	82.4	82.9	82.5	80.7	80.2	80.9
15	83.3	84.1	84.5	84.1	82.8	81.8	82.6	82.9	82.3	80.5	80.3	81.0
20	83.4	84.4	84.5	83.9	82.7	81.8	82.7	82.9	82.0	80.3	80.3	81.2
25	83.5	84.4	84.6	83.7	82.5	81.9	82.8	82.9	81.7	80.2	80.5	81.4
Eom	83.7	84.5	84.5	83.5	82.3	82.0	82.8	82.7	81.3	80.1	80.6	81.6
1962												
5	81.9	84.1	83.8	83.4	82.7	83.2	83.8	83.2	82.8	81.7	81.6	82.5
10	82.2	84.1	83.9	83.2	82.8	....	83.7	83.1	82.7	81.5	81.7	82.7
15	82.5	84.0	84.0	83.0	82.9	83.4	83.6	83.0	82.5	81.4	81.9	82.7
20	83.0	83.9	84.1	82.9	83.0	83.5	83.5	83.0	82.3	81.4	82.0	83.1
25	83.4	83.8	84.0	82.7	83.1	83.7	83.4	82.9	82.0	81.4	82.2	83.3
Eom	83.8	83.8	83.7	82.7	83.2	83.7	83.3	82.9	81.8	81.5	82.3	83.7
1963												
5	84.0	83.6	83.2	83.8	84.7	86.6	88.0	84.2	81.9	80.1	80.5	81.6
10	84.4	83.5	83.4	83.8	84.9	87.2	87.5	83.7	81.5	80.0	80.7	81.8
15	84.6	83.3	83.5	84.0	85.2	87.9	86.4	83.4	81.1	80.0	80.8	82.1
20	84.6	83.2	83.7	84.1	85.5	88.2	85.8	83.0	80.8	80.1	81.0	82.3
25	84.4	83.1	83.8	84.3	85.6	88.3	85.3	82.7	80.5	80.2	81.2	82.6
Eom	84.0	83.1	83.8	84.5	86.1	88.3	84.7	82.3	80.2	80.4	81.4	83.0
1964												
5	83.4	85.1	83.3	82.5	81.0	79.9	80.2	79.9	79.0	75.2	73.0	74.0
10	83.8	84.9	83.1	82.3	80.8	79.8	80.3	79.7	78.9	74.4	73.0	74.2
15	84.3	84.5	83.0	82.0	80.5	79.7	80.5	79.5	78.8	73.8	73.3	74.4
20	84.7	84.3	82.9	81.7	80.4	79.8	80.5	79.5	78.2	73.5	73.4	74.7
25	85.1	83.9	82.8	81.5	80.3	79.9	80.4	79.3	77.4	73.2	73.5	75.0
Eom	85.2	83.6	82.7	81.3	80.1	80.1	80.1	79.1	76.2	73.0	73.7	75.4
1965												
5	75.8	78.0	78.9	....	77.6	76.3	76.0	74.7	74.6	74.6	75.8	77.5
10	76.2	78.3	78.9	....	77.5	76.1	76.9	74.6	74.8	74.8	76.1	77.8
15	76.6	79.1	79.1	....	77.3	75.9	75.7	74.5	74.9	74.9	76.4	78.1
20	77.0	79.2	79.0	....	77.0	75.8	75.4	....	74.4	75.1	76.7	78.2
25	77.4	78.8	....	77.9	76.8	75.9	75.1	74.4	74.4	75.4	77.0	78.5
Eom	77.7	78.8	....	77.7	76.5	76.0	74.8	74.6	74.6	75.6	77.2	78.8

314723N1104123.1. Local number (D-19-16)10ddd. W. W. Foskett. Drilled stock water-table well in alluvial fill, diam 6 in, reported depth 300 ft, casing information not available. Lsd about 4,980 ft above msl. MP top of casing, 1.0 ft above lsd. Highest water level 204.1 below lsd, Feb. 26, 1965; lowest 220.3 below lsd, Sept. 26, 1956. Records available: 1952-65. Apr. 7, 1961, 218.3; Feb. 14, 1962, 216.3; Feb. 26, 1963, 215.2; Feb. 27, 1964, 217.1; Feb. 26, 1965, 204.1.

312950N1113346.1. Local number (D-22-8)19dbc. Rancho de la Osa. Drilled domestic and stock water-table well in alluvial fill, diam 8 in, reported depth 160 ft, casing information not available. Lsd about 3,610 ft above msl. MP top of casing, 1.0 ft above lsd. Highest water level 91.2 below lsd, Oct. 18, 1950; lowest 99.4 below lsd, Mar. 9, 1965. Records available: 1950-1961, 1963-65. No measurement made in 1962. Jan. 6, 1961, 95.9; Mar. 1, 1963, 100.9 (well pumped recently); Jan. 10, 1964, 98.4; Mar. 9, 1965, 99.4.

Pinal County

333043N1113040. Local number (D-2-8)27ddd. Ellsworth Bros. Drilled unused water-table well in alluvium, diam 20 in, depth 614 ft, cased to 614, perforated 260-600. Lsd 1,556 ft above msl. MP top of casing, 0.2 ft above lsd. Highest water level 231.7 below lsd, Jan. 19, 1949; lowest 412.0 below lsd, Nov. 26, 1963. Records available: 1949-54, 1957, 1963-65. No measurement made in 1955-56 or 1958-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1949	231.7	Dec. 29, 1950	252.4	Oct. 22, 1953	255.8	Nov. 26, 1963	412.0
Feb. 19	234.3	Feb. 9, 1951	245.9	Feb. 3, 1954	285.2	Jan. 13, 1964	402.6
Oct. 20	240.8	Nov. 21	271.5	Feb. 8, 1957	321.3	Feb. 18, 1965	408.6
Feb. 16, 1950	243.1	Nov. 19, 1952	270.0				

331550N1112120.1. Local number (D-2-10)8ccc. E. M. Little. Drilled unused water-table well in sand and gravel, diam 8 in, depth 437 ft, casing information not available. Lsd 1,902.5 ft above msl. MP top of casing, 0.2 ft above lsd. Highest water level 396.8 below lsd, Jan. 22, 1946; lowest 419.9 below lsd, Feb. 24, 1965. Records available: 1939-65. Feb. 7, 1961, 414.7; Apr. 12, 1962, 416.0; Jan. 14, 1963, 417.0; Jan. 8, 1964, 418.3; Feb. 24, 1965, 419.9.

330424N1120657.1. Local number (D-4-2)13ccc. Berry. Drilled unused water-table well in alluvial fill, diam 20 in, reported depth 408 ft, cased 0-408. Lsd about 1,175 ft above msl. MP top of casing, at lsd. Highest water level 67.7 below lsd, Feb. 17, 1953; lowest 100.1 below lsd, Dec. 16, 1964. Records available: 1953-1964. No measurement made in 1965. Jan. 10, 1961, 84.4; Jan. 8, 1962, 82.8; Jan. 17, 1963, 77.2; Jan. 9, 1964, 77.5; Dec. 16, 1964, 100.1.

330611N1113035.1. Local number (D-4-8)2ccc. Virgil Vance. Formerly Arizona Ranches, Inc. Drilled unused water-table well in sand and gravel, diam 20 in, depth 237 ft, casing information not available. Lsd 1,530.5 ft above msl. MP top of casing, 0.5 ft above lsd. Highest water level 158.0 below lsd, June 12, 1941; lowest 237.6 below lsd, Jan. 14, 1958, Feb. 6, 1961. Records available: 1941-65. Feb. 6, 1961, 237.6; Feb. 15, 1962, 236.6; Jan. 29, 1963, 237.5; Jan. 13, 1964, 236.5; Feb. 19, 1965, 236.5.

330304N1112314.1. Local number (D-4-9)25bcc. State of Arizona. Drilled observation water-table well in alluvial fill, diam 8 in, depth 250 ft, casing information not available. Lsd about 1,480 ft above msl. MP top of casing, 3.4 ft above lsd. Highest water level 77.6 below lsd, Feb. 20, 1950; lowest 149.7 below lsd, Jan. 17, 1962. Records available: 1950-1963. No measurement made in 1964-65. Jan. 5, 1961, 132.0 (nearly well being pumped); Jan. 17, 1962, 149.7; Jan. 29, 1963, 138.0.

330408N1105535.1. Local number (D-4-14)21bdd. Wilkens. Drilled unused water-table well in alluvial fill, diam 20 in, reported depth 90 ft, cased 0-76. Lsd about 1,790 ft above msl. MP top of casing, 1.0 ft above lsd. Highest water level 5.7 below lsd, Feb. 6, 1959; lowest 8.3 below lsd, Dec. 8, 1953. Records available: 1952-55, 1957-64. No measurement made in 1965. Feb. 9, 1961, 7.7; Mar. 1, 1962, 6.6; Mar. 6, 1963, 6.3; Mar. 2, 1964, 6.8.

325246N1105952.1. Local number (D-5-3)25add. Decker and Miller. Drilled irrigation water-table well in sand and gravel, diam 20 in, depth 550 ft, cased 0-550, perforated 115-535. Lsd about 1,240 ft above msl. MP 1-in hole in pumpbase, 0.6 ft above lsd. Highest water level 119.4 below lsd, Feb. 2, 1951; lowest 244.0 below lsd, Jan. 2, 1965. Records available: 1951-52, 1954-58, 1960-1963, 1965. No measurement made in 1964. Jan. 11, 1961, 223.9; Jan. 24, 1962, 233.2 (well pumped recently); Jan. 22, 1963, 214.1 (well pumped recently); Jan. 2, 1965, 244.0.

325750N1102645.1. Local number (D-5-9)29ada. Bureau of Indian Affairs well 76. Drilled unused water-table well in sand and gravel, diam 16 in, reported depth 616 ft, cased 0-614, perforated 134-440. Lsd 1,520.0 ft above msl. MP top of casing, 1.5 ft above lsd. Highest water level 114.2 below lsd, Feb. 16, 1944; lowest 210.6 below lsd, Dec. 23, 1964. Records available: 1942-57, 1959-64. No measurement made in 1965. Jan. 6, 1961, 186.5; Jan. 17, 1962, 179.9; Jan. 30, 1963, 197.4 (nearby well being pumped); Jan. 30, 1964, 204.6; Dec. 23, 210.6.

325250N1113122.1. Local number (D-6-9)21dccc. W. H. Simmons. Drilled irrigation water-table well in alluvial fill, diam 20 in, reported depth 400 ft, casing information not available. Lsd about 1,470 ft above msl. MP hole in pumpbase, 1.5 ft above lsd. Highest water level 117.3 below lsd, Feb. 5, 1952; lowest 204.8 below lsd, Dec. 23, 1964. Records available: 1952-56, 1960-62, 1964. No measurement made in 1963 or 1965. Jan. 5, 1961, 177.3 (well pumped recently); Jan. 16, 1962, 179.3 (well pumped recently); Dec. 23, 1964, 204.8.

325306N1111215.1. Local number (D-6-1)27bbd. Grathan and Carney. Drilled stock water-table well in alluvial fill, diam 4 in, reported depth 300 ft, casing information not available. Lsd about 2,300 ft above msl. MP top of casing, 1.0 ft above lsd. Highest water level 28.5 below lsd, Feb. 10, 1960; lowest 41.6 below lsd, Feb. 8, 1961. Records available: 1953-54, 1956, 1960-65. Feb. 8, 1961, 41.6; Mar. 12, 1962, 30.3; Mar. 7, 1963, 32.0; Mar. 4, 1964, 38.4 (well being pumped); Mar. 4, 1965, 30.5.

325217N1104255.1. Local number (D-6-16)33bad. Fred Ash. Drilled unused water-table well in alluvial fill, diam 12 in, reported depth 60 ft, casing information not available. Lsd about 2,100 ft above msl. MP top of casing, 1.0 ft above lsd. Highest water level 8.2 below lsd, Jan. 27, 1956; lowest 18.5 below lsd, Dec. 7, 1953. Records available: 1949-65. Feb. 10, 1961, 16.0; Mar. 1, 1962, 10.2; Mar. 6, 1963, 10.1 (nearby well being pumped); Mar. 2, 1964, 9.8; Mar. 26, 1965, 15.7.

324918N1113538.1. Local number (D-7-7)11odd. E. C. Grasty. Drilled irrigation water-table well in sand and gravel, diam 20 in, depth 460 ft, perforated 100-430. Lsd 1,495.2 ft above msl. MP hole in pumpbase, 2.5 ft above lsd (since Dec. 11, 1964). Highest water level 85.9 below lsd, Mar. 11, 1942; lowest 245.3 below lsd, Dec. 11, 1964. Records available: 1942-67, 1959-64. No measurement made in 1965. Jan. 9, 1961, 214.4; Jan. 11, 1962, 219.8; Jan. 24, 1963, 225.8; Jan. 29, 1964, 233.6; Dec. 11, 245.3.

324140N114529.1. Local number (D-8-6)30dad. Chiu Chusichu Ranch. Drilled irrigation water-table well in sand and gravel, diam 20 in, depth 296 ft, perforated 69-200. Lsd about 1,510 ft above msl. MP top of casing, at lsd. Highest water level 108.6 below lsd, July 28, 1948; lowest 221.3 below lsd, Jan. 30, 1964. Records available: 1948-52, 1954-64. Well destroyed; measurement discontinued, replaced by (D-8-6)31add. Jan. 6, 1961, 189.7; Jan. 9, 1962, 203.0; Oct. 5, 204.2; Jan. 18, 1963, 206.8; Jan. 30, 1964, 221.3.

324102N1114523.1. Local number (D-8-6)31add. Chiu Chusichu Ranch. Drilled unused water-table well in sand and gravel, diam 20 in, depth 280 ft, cased 0-266, perforated 75-254. Lsd 1,518 ft above msl. MP top of casing, at lsd. Highest water level 128.9 below lsd, Feb. 14, 1952; lowest 211.0 below lsd, Jan. 27, Dec. 14, 1964. Records available: 1952, 1955-64. No measurement made in 1953-54 or 1965.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14, 1952	128.9	Jan. 17, 1957	178.0	Jan. 28, 1960	193.5	Jan. 17, 1963	208.6
Jan. 26, 1955	159.2	Jan. 17, 1958	184.8	Jan. 6, 1961	202.9	Jan. 27, 1964	211.0
Jan. 18, 1956	168.3	Jan. 16, 1959	188.2	Jan. 9, 1962	206.6	Dec. 14	211.0

324128N1113408.1. Local number (D-8-7)25ddd. R. E. Hamilton. Drilled irrigation water-table well in sand and gravel, diam 20 in, depth 938 ft, casing information not available. Lsd 1,614.8 ft above msl. MP hole in pumpbase, 1.0 ft above lsd. Highest water level 124.5 below lsd, Mar. 24, 1941; lowest 321.6 below lsd, Dec. 14, 1964. Records available: 1940-52, 1954-55, 1960, 1962-64. No measurement made in 1953, 1956-59, 1961 or 1965.

Apr. 25, 1940	129.6	Nov. 30, 1942	140.5	Dec. 21, 1945	174.8	Oct. 5, 1949	207.6
Sept. 28	135.9	Dec. 30	138.7	Feb. 13, 1946	162.6	Dec. 9	198.4
Nov. 14	128.3	May 31, 1943	154.5	Apr. 24	178.5	Jan. 9, 1950	196.3
Feb. 4, 1941	125.4	June 29	164.7	Oct. 24	172.4	Feb. 16	197.9
Mar. 24	124.5	Sept. 28	160.8	Dec. 18	179.4	Dec. 8	205.4
Apr. 22	126.4	Oct. 29	153.1	June 6, 1947	197.3	Feb. 16, 1951	207.6
May 23	131.5	Nov. 30	148.2	Sept. 29	190.2	Jan. 3, 1952	202.3
July 28	142.0	Feb. 1, 1944	145.6	Nov. 5	189.3	Aug. 4, 1954	281.10
Oct. 4	139.4	28	144.5	Feb. 4, 1948	179.0	Jan. 17, 1955	264.95
Nov. 1	134.2	Mar. 29	153.2	Aug. 25	217.4	Feb. 15, 1960	269.2
Dec. 3	132.5	May 29	155.0	Sept. 28	214.2	Jan. 17, 1962	273.7
Dec. 31	131.3	June 27	162.8	Jan. 7, 1949	2175.0	Jan. 8, 1963	273.4
Apr. 29, 1942	142.8	Sept. 25	170.8	Feb. 1	183.3	Jan. 23, 1964	277.5
May 29	141.5	Oct. 24	161.2	May 18	207.9	Dec. 14	321.6
Oct. 30	144.5	Nov. 27	153.8				

b Well pumped recently.

324312N1103816.1. Local number (D-8-17)19dad. Carmen and Edward Mungray. Drilled domestic water-table well in alluvial fill, diam 6 in, reported depth 46 ft, casing information not available. Lsd about 2,400 ft above msl. MP top of casing, 1.0 ft above lsd. Highest water level 5.7 below lsd, Jan. 26, 1956; lowest 18.2 below lsd, Dec. 7, 1953. Records available: 1949-55, 1961-65. Feb. 10, 1961, 14.2; Mar. 1, 1962, 12.6; Mar. 5, 1963, 17.9; Mar. 2, 1964, 15.6; Mar. 26, 1965, 7.8.

323753N1112046.1. Local number (D-9-10)19aaa. Clemens Cattle Co. Drilled unused water-table well in alluvial fill, diam 20 in, depth 600 ft, cased to 486, perforated 240-486. Lsd about 1,830 ft above msl. MP top of casing, 1.0 ft above lsd (since Jan. 16, 1959). Highest water level 181.1 below lsd, Mar. 25, 1955; lowest 222.0 below lsd, Dec. 18, 1964. Records available: 1953-64. No measurement made in 1965. Jan. 7, 1961, 210.4 (nearby well being pumped); Jan. 5, 1962, 215.7; Feb. 1, 1963, 208.3; Jan. 27, 1964, 221.9 (nearby well being pumped); Dec. 18, 222.0.

323925N110300.1. Local number (D-9-13)7ccc. Foreman. Drilled stock water-table well in alluvial fill, diam 6 in, reported depth 275 ft, casing information not available. Lsd about 3,115 ft above msl. MP top of casing, 1.0 ft above lsd. Highest water level 43.0 below lsd, Sept. 23, 1955; lowest 111.5 below lsd, Jan. 6, 1953. Records available: 1952-65. Feb. 9, 1961, 56.4; Mar. 12, 1962, 53.4; Mar. 10, 1963, 58.3; Mar. 4, 1964, 49.7; Mar. 3, 1965, 49.8.

323644N1104612.1. Local number (D-9-15)36bbc. A. I. Kendall. Dug domestic water-table well in granitic rocks, diam 4 ft, reported depth 92 ft, casing information not available. Lsd about 4,500 ft above msl. MP top of floorboard, 0.4 ft above lsd. Highest water level 51.8 below lsd, Mar. 26, 1965; lowest 82.1 below lsd, Aug. 16, 1954. Records available: 1949-65. Feb. 10, 1961, 56.2; Feb. 1, 1962, 68.1; Mar. 5, 1963, 55.4; Mar. 2, 1964, 58.4; Mar. 26, 1965, 51.8.

323245N1102549.1. Local number (D-10-9)16ccc. La Osa Livestock Co. Formerly L. Kinney. Drilled unused water-table well in alluvial fill, diam 20 in, depth 400 ft, cased to 392, percolated 170-378. Lsd about 1,780 ft above msl. MP top of casing, 2.5 ft above lsd (since Dec. 15, 1964). Highest water level 209.8 below lsd, Feb. 10, 1954; lowest 298.4 below lsd, Dec. 15, 1964. Records available: 1954-64. No measurement made in 1965. Jan. 5, 1961, 264.4; Jan. 5, 1962, 269.2; Feb. 1, 1963, 277.6; Jan. 23, 1964, 288.0; Dec. 15, 1964, 298.4.

Santa Cruz County

312758N1105900.1. Local number (D-22-13)85dd. T. T. Pendleton. Drilled irrigation water-table well in sand and gravel, diam 20 in, depth 90 ft (previously reported 88 ft), cased 0-90. Lsd about 3,430 ft above msl. MP south side of $\frac{1}{2}$ -in pipe, 0.5 ft above lsd. Highest water level 9.9 below lsd, Feb. 8, 1960; lowest 53.0 below lsd (previously reported 53.7, Feb. 9, 1954), Mar. 30, 1954. Records available: 1939-57, 1959-1961, 1963-65. No measurement made in 1962. Water level is affected by intermittent flow in Santa Cruz River. Feb. 17, 1961, 17.8; Mar. 6, 1963, 35.7; Feb. 27, 1964, 31.7 (nearby well being pumped); Feb. 3, 1965, 11.4.

313225N1104533.1. Local number (D-22-15)12aad. V. Farley. Drilled domestic water-table well in alluvial fill, diam 8 in, reported depth 60 ft, cased 0-60. Lsd about 4,035 ft above msl. MP 2-in-pipe at side of concrete base, 0.6 ft above lsd (since Feb. 27, 1964). Highest water level 10.1 below lsd, Jan. 25, 1956; lowest 26.0 below lsd, June 8, 1954. Records available: 1949, 1952-64. No measurement made in 1965. Apr. 7, 1961, 15.0; Feb. 14, 1962, 19.6; Feb. 26, 1963, 16.4; Feb. 27, 1964, 15.2.

312419N1105412.1. Local number (D-23-14)27baa. Ramon Michelena. Dug unused water-table well in sand and gravel, diam 5 ft, depth 36 ft, concrete casing 0-9, open hole 9-36. Lsd about 3,550 ft above msl. MP top of concrete casing, 0.3 ft above lsd. Highest water level 12.6 below lsd, Jan. 6, 1960; lowest 21.8 below lsd, July 28, 1948. Records available: 1939-57, 1959-61, 1963-65. No measurement made in 1962. Feb. 17, 1961, 17.8; Mar. 8, 1963, 18.4; Feb. 28, 1964, 17.3; Feb. 4, 1965, 16.5.

312115N1103523.1. Local number (D-24-17)11cab. U.S. Geol. Survey. Driven observation water-table well in alluvial fill, diam 1 in, depth 23 ft, cased to 23. Lsd about 4,650 ft above msl. MP top of casing, 1.4 ft above lsd. Highest water level 1.8 below lsd, Dec. 30, 1955; lowest 14.6 below lsd, July 24, 1964. Records available: 1949-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1961	3.8	Jan. 29, 1962	4.0	June 5, 1963	7.3	June 23, 1964	7.1
Feb. 1	6.0	Feb. 27	4.1	July 1	c8.8	July 7	7.5
Mar. 1	4.5	Apr. 5	4.4	27	7.3	24	14.6
Apr. 5	4.0	May 3	4.6	29	7.1	Aug. 1	6.5
May 1	c5.1	June 7	c6.1	31	7.0	4	6.4
22	c5.1	July 9	6.3	Aug. 6	6.6	18	5.8
June 1	c6.4	31	6.1	16	6.3	27	5.6
July 6	c6.4	Aug. 10	c6.9	30	5.9	Sept. 14	5.2
Aug. 1	6.0	30	c8.3	Sept. 12	5.8	Nov. 19	7.6
11	5.2	Sept. 7	8.1	24	5.7	Dec. 22	c6.6
16	5.1	24	c7.3	Oct. 2	c7.2	Feb. 24, 1965	6.6
25	5.0	Oct. 1	7.5	30	c6.7	Mar. 23	6.6
31	c5.0	30	7.4	Dec. 1	5.9	Apr. 23	7.6
Sept. 15	4.8	Nov. 29	c6.4	30	c6.0	May 21	8.6
29	5.0	Jan. 7, 1963	6.0	Jan. 30, 1964	5.0	June 24	5.9
Oct. 18	4.8	30	5.7	Mar. 4	5.0	July 22	7.6
Nov. 2	4.9	Feb. 12	5.4	12	5.3	Aug. 23	7.9
Dec. 4	4.7	22	5.5	25	4.8	Sept. 21	6.0
Dec. 18	6.0	Apr. 18	6.6	Apr. 24	a6.1	Oct. 20	6.4
Jan. 3, 1962	4.3	30	c6.7	May 25	6.0	Nov. 23	5.8

a Well being pumped.

c Nearby well being pumped.

Yavapai County

341657N1124312.1. Local number (B-11-4)19bcc. Dan Resner. Drilled unused water-table well in sand and gravel, diam 6 in, reported depth 47 ft, casing information not available. Lsd about 4,454 ft above msl. MP top of casing, 2.0 ft above lsd. Highest water level 16.50 below lsd, July 3, 1946; lowest 32.10 below lsd, Feb. 5, 1965. Records available: 1946, 1948-49, 1951-57, 1959-60, 1962-65

July 3, 1946	16.50	July 16, 1952	17.73	June 21, 1956	21.44	Mar. 15, 1960	18.30
Sept. 3, 1948	20.40	July 24, 1953	19.63	Oct. 22	21.02	Apr. 17, 1962	22.66
Oct. 21	20.28	Oct. 6, 1954	20.80	May 28, 1957	22.38	Feb. 6, 1963	27.27
July 8, 1949	18.81	June 1, 1955	20.04	Dec. 18	22.78	Jan. 15, 1964	30.10
Mar. 5, 1951	20.77	Nov. 7	20.00	Mar. 3, 1959	19.60	Feb. 5, 1965	32.10
Aug. 4	23.20						

342822N1125312.1. Local number (B-13-6)9dd. J. W. Ropeter. Dug irrigation water-table well in sand and gravel, diam 6 ft, depth 22 ft, wood-lined. Lsd about 2,500 ft above msl. MP through bolt hole of pumpbase, at lsd. Highest water level 14.0 below lsd, Jan. 17, 1945; lowest 19.9 below lsd, Apr. 26, 1961. Records available: 1945-49, 1951-57, 1959-65. Apr. 26, 1961, 19.9; Apr. 17, 1962, 17.9; Feb. 6, 1963, 17.5; Jan. 15, 1964, 18.1; Feb. 3, 1965, 17.6.

343103N1124051.1. Local number (B-14-4)33ab. C. C. McLain. Drilled unused water-table well in sand and gravel, diam 16 in, depth 85 ft, casing information not available. Lsd about 4,340 ft above msl. MP hole in casing, 0.5 ft above lsd. Highest water level 11.0 below lsd, Apr. 14, 1945; lowest 21.2 below lsd, Feb. 3, 1965. Records available: 1944-49, 1951-57, 1959-65. Apr. 26, 1961, 17.4; Apr. 17, 1962, 19.5; Feb. 6, 1963, 20.2; Jan. 15, 1964, 21.0; Feb. 3, 1965, 21.2.

Yuma County

334817N1133415. Local number (B-5-13)1cba. O. J. Churchill. Drilled irrigation water-table well in alluvium, diam 20 in, depth 730 ft, cased to 730, perforated 400-730. Lsd about 1,858 ft above msl. MP base of pump, 0.50 ft above lsd. Highest water level 105.6 below lsd, Oct. 10, 1958; lowest 151.3 below lsd, Dec. 27, 1965. Records available: 1958-63, 1965. No measurement made in 1964.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 17, 1958	106.9	Apr. 19, 1960	112.6	Feb. 20, 1963	124.9	Feb. 17, 1965	143.4
Oct. 10	105.6	June 1, 1961	112.6	Dec. 26	131.1	Dec. 27	151.3
Jan. 30, 1959	107.5	Mar. 30, 1962	119.1				

334725N1135445.1. Local number (B-5-16)10ddd. Crowder Cattle Co. Drilled unused water-table well in sand and gravel, diam 16 in, depth 164 ft, cased 0-416. Lsd about 330 ft above msl. MP top of casing, at lsd. Highest water level 50.1 below lsd, Jan. 30, 1964; lowest 87.0 below lsd, Mar. 3, 1954. Records available: 1945-47, 1949-64. Well destroyed; measurement discontinued, replaced by (C-8-17)11aaa. Mar. 16, 1961, 59.8; Mar. 8, 1962, 55.8; Feb. 8, 1963, 54.3; Jan. 30, 1964, 50.1.

324218N1135442.1. Local number (C-8-16)28bda. Bob Anderson. Drilled domestic water-table well in sand and gravel, diam 16 in, depth 419 ft, cased 0-416. Lsd about 330 ft above msl. MP top of casing, at lsd. Highest water level 50.1 below lsd, Jan. 30, 1964; lowest 87.0 below lsd, Mar. 3, 1954. Records available: 1945-47, 1949-64. Well destroyed; measurement discontinued, replaced by (C-8-17)11aaa. Mar. 16, 1961, 59.8; Mar. 8, 1962, 55.8; Feb. 8, 1963, 54.3; Jan. 30, 1964, 50.1.

324505N1135814. Local number (C-8-17)11aaa. Mohawk M.W.C.D. Drilled unused water-table well in sand and gravel, diam 20 in, reported depth 105 ft, cased to 105, perforated 65-100. Lsd about 261 ft above msl. MP top of casing, 1.0 ft above lsd. Highest water level 11.6 below lsd, Mar. 16, 1961; lowest 33.0 below lsd, Mar. 13, 1956. Records available: 1956-59, 1961-65.

Mar. 13, 1956	33.0	Feb. 10, 1959	15.5	Mar. 7, 1962	20.5	Jan. 29, 1964	21.1
Jan. 31, 1957	20.6	Mar. 16, 1961	11.6	Feb. 7, 1963	26.2	Mar. 31, 1965	21.7
Jan. 21, 1958	17.2						

323828N1143803.1. Local number (C-9-22)17ddd. Archie J. Griffin. Drilled unused water-table well in sand and gravel, diam 16 in, depth 195 ft, casing information not available. Lsd 210.5 ft above msl. MP top of casing, 1.5 ft above lsd. Highest water level 52.5 below lsd, Nov. 15, 1960; lowest 97.6 below lsd, Sept. 5, 1946. Records available: 1945-58, 1960-65. Mar. 18, 1961, 56.8; Mar. 7, 1962, 54.8; Feb. 8, 1963, 54.8; Jan. 29, 1964, 55.0; Apr. 1, 1965, 56.7.

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CALIFORNIA

The observation-well program in California was continued during the period 1961-65 in cooperation with the California Department of Water Resources and the County of Santa Barbara. In addition, several county and city agencies, municipal utility districts, and water companies have provided data and their cooperation is gratefully acknowledged. Figure 3 shows the location of observation wells included in this report.

Well-Numbering System

The well-numbering system for California shows the location of wells according to the rectangular system of public-land surveys. U.S. Geological Survey Water-Supply Paper 991 contains a cross index of previous numbers and location symbols. For example, in the number 5N/10W-6N1 S, assigned to a well in Antelope Valley in Los Angeles County, the part of the number before the hyphen indicates the township and range (T. 5 N., R. 10 W.). The digit between the hyphen and the letter indicates the section (sec. 6), and the letter indicates the 40-acre tract within the section, as shown by the following diagram. Within the 40-acre tract, the wells are numbered serially as indicated by the final digit of the symbol. The letter following the symbol indicates the base line and meridian for the well location, as follows: H, Humboldt; M, Mount Diablo; S, San Bernardino. Thus, well 5N/10W-6N1 S was the first well listed in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 6, T. 5 N., R. 10 W., San Bernardino base line and meridian. For areas which have not been subdivided by public-land surveys, the rectangular system has been projected by the California Department of Water Resources for assigning appropriate well numbers. The well records are arranged alphabetically by county; for each county, by valley or ground-water basin. Thus, each group of data pertains to a distinct ground-water area, as indicated by subheadings in the report. Under each subhead, the records are arranged numerically by well number.

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

Well Descriptions and Water-Level Measurements

The difference in altitude between the measuring point and land-surface datum has been subtracted from or added to the measured water level below or above the measuring point; the measurement given is the depth to water below or above (+) land-surface datum.

Del Norte County

Smith River Basin

414643N1241156.1. Local number 16N/1W-17K1 H. Formerly 16/1W-17K1. D. Bergquist. About 1.5 mi north of Crescent City. Drilled domestic water-table well in Battery Formation of Pleistocene age, diam 6 in, depth 40 ft, perforated 34-39. Lsd 48 ft above msl. Highest water level 7.3 below lsd, Mar. 28, 1961; lowest 24.00 below lsd, Jan. 27, 1960. Records available: 1953-54, 1958-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1961	18.0	Apr. 27, 1962	15.67	June 19, 1963	16.20	Aug. 20, 1964	21.20
Feb. 21	10.9	May 24	16.92	July 11	(a)	Sept. 16	21.94
Mar. 28	7.3	June 26	18.43	Aug. 20	18.78	Oct. 14	22.77
Apr. 27	11.6	July 25	19.76	Sept. 19	20.03	Nov. 18	23.80
May 16	11.7	Aug. 22	20.82	Oct. 24	21.46	Dec. 16	22.39
June 27	22.3	Sept. 20	a28.65	Nov. 21	19.90	Feb. 17, 1965	12.99
July 27	17.8	Oct. 24	22.21	Dec. 17	17.91	Mar. 17	15.24
Aug. 29	19.4	Nov. 27	20.56	Jan. 16, 1964	16.60	Apr. 15	18.13
Sept. 28	19.62	Dec. 18	19.94	Feb. 26	13.41	May 19	15.95
Oct. 24	21.59	Jan. 22, 1963	17.05	Mar. 18	13.50	June 16	17.59
Nov. 28	20.37	Feb. 19	16.50	Apr. 15	15.33	July 14	18.99
Dec. 27	19.25	Mar. 20	16.36	May 13	17.55	Aug. 17	20.49
Jan. 24, 1962	a27.99	Apr. 24	9.24	June 17	18.84	Sept. 24	21.90
Feb. 27	15.67	May 21	9.76	July 15	19.90	Nov. 9	20.89
Mar. 27	14.08						

a Well being pumped.

415322N1240847.1. Local number 17N/1W-2P1 H. Formerly 17/1W-2P1. Homer Martin. About 1.6 mi north of Fort Dick. Drilled domestic water-table well in undifferentiated flood-plain deposits, diam 8 in, depth 26 ft. Lsd 3' ft above msl. Highest water level 10.9 below lsd, Mar. 30, 1960; lowest 23.43 below lsd, Oct. 14, 1964. Records available: 1952, 1958-65.

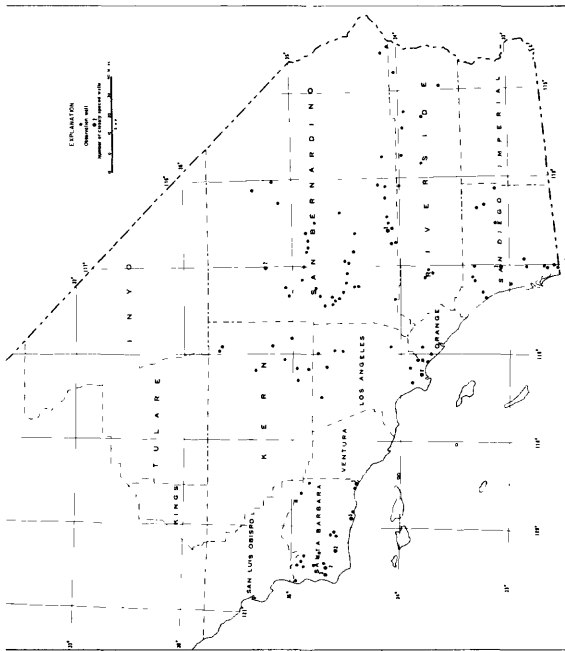


Figure 3. ---Location of observation wells in California, 1961-65.

415322N1240847.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1961	18.3	Apr. 26, 1962	19.12	June 19, 1963	19.29	Aug. 20, 1964	22.63
Feb. 21	15.9	May 24	19.46	July 11	20.84	Sept. 16	(a)
Mar. 28	14.1	June 26	21.44	Aug. 20	22.00	Oct. 14	23.43
Apr. 29	17.4	July 25	22.52	Sept. 19	21.67	Nov. 18	19.98
May 16	16.8	Aug. 22	a21.23	Oct. 24	20.47	Dec. 16	16.15
June 27	(a)	Sept. 20	22.25	Nov. 21	15.49	Feb. 17, 1965	17.30
July 27	20.0	Oct. 24	21.14	Dec. 17	18.45	Mar. 17	18.84
Aug. 29	22.0	Nov. 27	12.95	Jan. 16, 1964	16.86	Apr. 15	19.62
Sept. 28	22.91	Dec. 18	14.01	Feb. 26	17.55	May 19	19.49
Oct. 24	23.03	Jan. 22, 1963	19.55	Mar. 18	16.84	June 16	21.38
Nov. 28	14.78	Feb. 19	15.55	Apr. 15	18.77	July 14	21.75
Dec. 27	16.50	Mar. 20	18.20	May 13	20.24	Aug. 17	22.59
Jan. 24, 1962	18.11	Apr. 24	15.99	June 17	21.62	Sept. 24	22.38
Feb. 27	17.47	May 21	17.00	July 15	22.02	Nov. 9	21.58
Mar. 27	14.47						

a Well being pumped.

415502N1240850.1. Local number 18N/1W-26P1 H. Formerly 18/1W-26P1. Merlin Goodlin. About 0.75 mi south of Smith River. Drilled domestic, stock, and irrigation water-table well in terrace deposits of Quaternary age, diam 12 in, depth 28 ft. Lsd 38 ft above msl. Highest water level 8.5 below lsd, May 28, 1952; lowest 26.9 below lsd, Oct. 15, 1958. Records available: 1952-54, 1958-65.

Jan. 24, 1961	18.0	May 24, 1962	18.81	July 11, 1963	20.32	Sept. 16, 1964	25.75
Mar. 28	12.5	June 26	(a)	Aug. 20	(c)	Oct. 14	25.50
Apr. 27	17.5	July 25	22.45	Sept. 19	25.69	Nov. 18	19.50
May 16	15.9	Aug. 22	21.47	Oct. 24	19.60	Dec. 16	14.93
June 27	19.2	Sept. 20	22.32	Nov. 21	14.34	Feb. 17, 1965	18.40
July 27	20.0	Oct. 24	21.51	Dec. 17	18.16	Mar. 17	20.54
Aug. 29	22.2	Nov. 27	14.40	Jan. 16, 1964	16.16	Apr. 15	16.69
Sept. 28	23.13	Dec. 18	15.14	Feb. 26	18.70	May 19	19.34
Oct. 24	20.57	Jan. 22, 1963	19.03	Mar. 18	17.21	June 16	20.90
Nov. 28	13.98	Feb. 19	15.50	Apr. 15	19.65	July 14	21.83
Dec. 27	15.42	Mar. 20	18.14	May 13	21.05	Aug. 17	25.22
Jan. 24, 1962	17.94	Apr. 24	15.20	June 17	21.38	Sept. 24	26.74
Feb. 27	16.44	May 21	16.40	July 15	22.55	Nov. 9	22.40
Apr. 26	18.11	June 19	(a)	Aug. 20	23.67		

a Well being pumped.

c Nearby well being pumped.

Humboldt County

Eureka-Fortuna Area

403550N1240931.1. Local number 3N/1W-34J1 H. Formerly 3/1W-34J1. City of Fortuna. Drilled unused artesian well in Carliotta Formation of Ogle (1953) of Pliocene to Pleistocene age, diam 12 in, depth 496 ft, perforated 182-226, 285-365. Lsd 60 ft above msl. Highest water level 23.3 below lsd, Sept. 5, 1952; lowest 36.1 below lsd, Nov. 17, 1959. Records available: 1951-53, 1958-65.

Jan. 24, 1961	33.9	Mar. 27, 1962	31.46	May 21, 1963	31.06	Aug. 20, 1964	35.14
Feb. 21	31.3	Apr. 26	32.40	June 19	32.55	Sept. 16	35.55
Mar. 28	30.6	May 24	32.99	Aug. 21	34.46	Oct. 14	35.82
Apr. 27	31.5	June 26	33.56	Sept. 19	34.95	Nov. 18	34.70
May 16	31.3	July 24	34.65	Oct. 23	34.90	Dec. 16	33.10
June 27	32.9	Aug. 21	34.92	Nov. 20	32.88	Feb. 17, 1965	30.61
July 27	34.0	Sept. 19	35.61	Dec. 18	33.19	Mar. 17	31.57
Aug. 29	34.5	Oct. 24	35.85	Jan. 16, 1964	32.75	Apr. 15	31.32
Sept. 28	35.00	Nov. 27	32.77	Feb. 26	32.23	May 19	31.62
Oct. 24	35.18	Dec. 19	32.51	Mar. 18	32.06	June 16	32.31
Nov. 28	34.23	Jan. 22, 1963	33.25	Apr. 15	32.60	July 14	33.10
Dec. 27	33.48	Feb. 19	31.36	May 13	33.22	Aug. 18	33.69
Jan. 24, 1962	33.20	Mar. 20	32.29	June 17	33.97	Sept. 24	34.21
Feb. 27	32.93	Apr. 24	30.04	July 15	34.54	Nov. 9	34.50

403627N1241526.1. Local number 3N/2W-26R1 H. Formerly 3/2W-26R1. Winfred Goble. About 4.5 mi west of Fortuna. Drilled irrigation water-table well in alluvium of Quaternary age, diam 14 in, depth 30 ft. Lsd 20 ft above msl. Highest water level 0.00, Feb. 18, 1959; lowest 14.5 below lsd, Nov. 11, 1952. Records available: 1951-54, 1958-65.

Jan. 24, 1961	7.0	Apr. 26, 1962	5.37	June 19, 1963	7.08	Aug. 20, 1964	9.49
Feb. 21	3.4	May 24	7.07	July 10	8.08	Sept. 16	9.66
Mar. 28	3.3	June 26	8.38	Aug. 20	9.15	Oct. 14	9.30
Apr. 27	5.7	July 24	9.00	Sept. 19	9.24	Nov. 18	7.81
May 16	6.0	Aug. 21	9.53	Oct. 24	8.49	Dec. 16	5.20
June 27	7.0	Sept. 19	9.56	Nov. 20	6.68	Feb. 17, 1965	4.58
July 27	8.9	Oct. 24	9.52	Dec. 18	6.71	Mar. 17	5.78
Aug. 29	9.2	Nov. 27	6.42	Jan. 16, 1964	6.09	Apr. 15	5.56
Sept. 28	9.31	Dec. 19	6.12	Feb. 26	5.99	May 19	6.03
Oct. 24	9.00	Jan. 22, 1963	6.50	Mar. 18	5.02	June 16	7.05
Nov. 28	8.42	Feb. 19	3.15	Apr. 15	6.14	July 14	8.00
Dec. 27	7.88	Mar. 20	5.93	May 13	6.99	Aug. 18	9.18
Jan. 24, 1962	6.44	Apr. 24	2.75	June 17	8.00	Sept. 24	9.35
Feb. 27	4.50	May 21	5.22	July 15	8.83	Nov. 9	9.40
Mar. 27	4.76						

405211N1240528.1. Local number 6N/1E-29P1 H. Formerly 6/1E-29P1. Golden State Co., Ltd. Arcata. Drilled unused water-table well in alluvium of Quaternary age, diam 24 in, depth 46 ft. Lsd 25 ft above msl. Highest water level 6.7 below lsd, Mar. 28, 1961; lowest 43.0 below lsd, June 7, 1951. Records available: 1951-54, 1958-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1961	8.1	Apr. 26, 1962	9.23	June 19, 1963	10.16	Aug. 20, 1964	13.47
Feb. 21	7.2	May 24	9.98	July 11	11.76	Sept. 16	14.34
Mar. 28	6.7	June 26	11.77	Aug. 20	13.73	Oct. 14	12.15
Apr. 27	7.6	July 25	14.30	Sept. 19	14.03	Nov. 17	9.20
May 16	7.3	Aug. 21	13.29	Oct. 24	11.58	Dec. 16	7.11
June 27	10.3	Sept. 20	13.00	Nov. 20	8.91	Feb. 17, 1965	7.30
July 27	11.7	Oct. 24	11.31	Dec. 18	8.44	Mar. 17	7.70
Aug. 29	9.2	Nov. 27	9.49	Jan. 16, 1964	7.65	Apr. 15	7.15
Sept. 28	12.2	Dec. 18	9.13	Feb. 26	7.46	May 19	7.26
Oct. 24	10.82	Jan. 22, 1963	9.30	Mar. 18	7.05	June 16	7.48
Nov. 28	8.63	Feb. 19	8.20	Apr. 15	7.50	July 14	10.49
Dec. 27	8.35	Mar. 20	8.95	May 13	7.98	Aug. 18	9.93
Jan. 24, 1962	7.80	Apr. 24	7.90	June 17	9.06	Sept. 24	17.10
Feb. 27	7.72	May 21	8.90	July 15	11.24	Nov. 9	12.25
Mar. 27	7.64						

Kern County

Antelope Valley--Lancaster Basin

345151N1180952.1. Local number 9N/12W-21D3 S. Formerly 9/12-21D3. T. R. Loomis. Rosamond. Drilled domestic water-table well in alluvium of Pleistocene age, diam 9 in, depth 107 ft, cased with steel. Lsd 2,350 ft above msl. Highest water level 60.73 below lsd, Feb. 14, 1952; lowest 90.71 below lsd, Oct. 19, 1965. Records available: 1951-54, 1955-65.

Feb. 28, 1961	79.66	Nov. 7, 1962	84.13	Mar. 4, 1964	85.49	Apr. 15, 1965	86.20
Oct. 24	82.38	Mar. 13, 1963	82.97	Sept. 18	89.73	Oct. 19	90.71
Mar. 1, 1962	80.38	Nov. 5	86.40				

Antelope Valley--Glossier Area

345701N1181134.1. Local number 10N/12W-20C3 S. Formerly 10/12-20C3. O. J. Backus. About 7 mi south of Mojave. Drilled domestic water-table well in alluvium of Pleistocene age, diam 8 in, depth 128 ft, cased with steel. Lsd 2,645 ft above msl. Highest water level 93.12 below lsd, Mar. 4, 1958; lowest 98.75 below lsd, Oct. 8, 1964. Records available: 1952, 1958-65. Measurement discontinued.

Feb. 27, 1961	94.75	Nov. 7, 1962	96.18	Mar. 4, 1964	96.65	Mar. 15, 1965	98.00
Nov. 8	95.37	Mar. 13, 1963	96.29	Oct. 8	98.75	Oct. 18	(m)
Mar. 1, 1962	95.43						

m Obstruction in well above water surface.

Antelope Valley--Willow Springs Area

345636N1181820.1. Local number 10N/13W-19M1 S. Formerly 10/13-19M1. Dewey Butler. About 4½ mi north of Willow Springs. Drilled unused water-table well in alluvium of Pleistocene age, diam 16 in, depth 770 ft, cased with steel. Lsd 2,905 ft above msl. Highest water level 291.61 below lsd, Jan. 20, 1953; lowest 316.94 below lsd, Oct. 18, 1965. Records available: 1953-65.

Feb. 27, 1961	310.00	Nov. 7, 1962	313.80	Mar. 4, 1964	314.60	Mar. 15, 1965	315.35
Nov. 8	312.07	Mar. 13, 1963	313.92	Oct. 8	315.71	Oct. 18	316.94
Mar. 1, 1962	311.88	Nov. 6	314.77				

Antelope Valley--North Muroc Basin

350048N1174840.1. Local number 11N/9W-34A1 S. Formerly 11/9-34A1. F. J. Schultz. Thundering Ford Ranch about 4 mi east of Muroc Junction. Drilled domestic water-table well in alluvium of Pleistocene age, diam 10 in, depth 194 ft, cased with steel. Lsd 2,304.39 ft above msl. Highest water level 93.11 below lsd, Jan. 25, 1951; lowest 105.93 below lsd, Oct. 25, 1961. Records available: 1951-52, 1955-64. Mar. 1, 1961, 104.93; Oct. 25, 105.93; Mar. 1, 1962, 103.83; Nov. 5, 104.83; Mar. 13, 1963, 97.73; Nov. 17, 97.72; Mar. 3, 1964, 98.29. Measurement discontinued.

Fremont Valley--Chaffee Area

350412N1180436.1. Local number 11N/11W-8D1 S. Formerly 11/11-8D1. Zepha Thorning. About 5½ mi east of Mojave. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in, depth 204 ft, cased with steel. Lsd 2,624.5 ft above msl. Highest water level 197.95 below lsd, Feb. 27, 1961; lowest 218.60 below lsd, Sept. 28, 1929. Records available: 1929-30, 1952, 1954-65.

Feb. 27, 1961	197.95	Nov. 7, 1962	198.27	Mar. 4, 1964	198.55	Mar. 15, 1965	198.98
Nov. 8	198.14	Mar. 13, 1963	198.33	Oct. 7	198.52	Oct. 18	203.24
Mar. 1, 1962	198.28	Nov. 16	198.41				

Fremont Valley--Koehn Lake

352042N1174829.1. Local number 30S/39E-8A1 M. Formerly 30/39-8A1. About 3 mi east of Koehn Lake. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in, depth 268 ft, cased with steel. Lsd 2,075 ft above msl. Highest water level 136.55 below lsd, Mar. 2, 1955; lowest 140.20 below lsd, Nov. 10, 1960. Records available: 1953-65.

Feb. 27, 1961	140.12	Nov. 8, 1962	140.12	Mar. 4, 1964	140.14	Mar. 16, 1965	140.14
Nov. 14	140.13	Mar. 13, 1963	140.12	Oct. 7	140.13	Oct. 18	140.13
Mar. 14, 1962	140.13	Nov. 6	140.14				

351104N1175904.1. Local number 31S/37E-35N1 M. Formerly 31/37-35N1. M. & R. Conklin Ranch. About 4 mi north of California City. Drilled unused water-table well in alluvium of Pleistocene age, diam 16 in, depth 439 ft, cased with steel. Lsd 2,320 ft above msl. Highest water level 230.89 below lsd, Jan. 22, 1953; lowest 247.92 below lsd, Dec. 2, 1959. Records available: 1953, 1958-65.

351104N1175904.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27, 1961	246.20	Nov. 9, 1962	243.73	Mar. 4, 1964	244.49	Mar. 16, 1965	242.54
Nov. 14	245.49	Mar. 13, 1963	244.82	Oct. 7	242.68	Oct. 18	244.00
Mar. 15, 1962	245.18	Nov. 7	244.41				

Indian Wells Valley

353808N1174805.1. Local number 26S/39E-20Q1 M. U. S. Dept. of the Navy. About 1 mi northeast of Inyokern. Drilled unused well in alluvium of Pleistocene(?) age, diam 12 in, depth 490 ft. Lsd 2,421.8 ft above msl. Highest water level 210.6 below lsd, Feb. 20, 1946; lowest 220.50 below lsd, Oct. 20, 1962. Records available: 1946, 1953-65.

Jan. 10, 1961	218.54	Sept. 21, 1961	219.73	May 22, 1962	220.00	Dec. 13, 1962	220.15
Feb. 15	218.51	Oct. 26	219.62	June 19	220.16	Mar. 11, 1963	219.72
Mar. 14	218.64	Nov. 22	219.55	July 18	220.14	Oct. 21	219.25
Apr. 18	219.08	Dec. 18	219.26	Aug. 21	220.24	Mar. 12, 1964	218.74
May 22	219.39	Jan. 17, 1962	219.23	Sept. 17	220.35	Sept. 9	219.87
June 26	219.37	Feb. 20	219.05	Oct. 20	220.50	Mar. 30, 1965	219.94
July 25	219.74	Mar. 21	219.13	Nov. 19	220.37	Nov. 19	220.10
Aug. 22	219.49	Apr. 24	219.60				

353828N1174013.1. Local number 26S/40E-28J1 M. Drummond Medical Center. In Ridgcrest. Drilled standby well in alluvium of Pleistocene(?) age, diam 14 in, depth unknown. Lsd 2,288.8 ft above msl. Highest water level 98.3 below lsd. Dec. 30, 1948; lowest 114.81 below lsd, Sept. 9, 1964. Records available: 1948, 1952-65.

Mar. 14, 1961	a116.70	Feb. 20, 1962	105.54	Oct. 22, 1963	109.48	Apr. 1, 1965	110.58
Mar. 14	b111.65	Oct. 26	a128.85	Mar. 13, 1964	109.56	Nov. 19	110.55
Nov. 8	107.31	Mar. 12, 1963	107.74	Sept. 9	114.81		

a Well being pumped.

b Well pumped recently.

Lake County

Lower Lake-Middletown Area

384739N1223352.1. Local number 11N/6W-19G1 M. Formerly 11/6-19G1. Roy Trimble, La-Z-Z Ranch. About 4 mi northeast of Middletown in Coyote Valley. Drilled domestic water-table well in alluvium of Quaternary age, diam 8 in, depth 50 ft. Lsd 960 ft above msl. Highest water level 1.54 below lsd, Mar. 6, 1963; lowest 18.43 below lsd, Oct. 4, 1961. Records available: 1950-54, 1956-65.

Jan. 6, 1961	11.3	June 12, 1962	(a)	Aug. 13, 1963	13.50	Oct. 12, 1964	17.40
Feb. 3	8.7	July 12	13.10	Sept. 17	14.25	Nov. 16	12.15
Mar. 3	9.8	Aug. 16	14.90	Oct. 21	8.37	Dec. 14	12.73
Apr. 5	11.9	Sept. 7	16.0	Nov. 19	12.11	Jan. 18, 1965	9.50
May 3	11.8	Oct. 11	14.72	Dec. 20	12.80	Feb. 15	11.11
Aug. 8	15.5	Nov. 15	12.37	Jan. 13, 1964	13.03	Mar. 15	12.45
Sept. 7	a24.6	Dec. 4	12.10	Feb. 24	12.72	Apr. 13	11.86
Oct. 4	18.43	Jan. 4, 1963	6.93	Mar. 16	14.42	May 17	12.40
Nov. 7	16.34	Feb. 13	a8.96	Apr. 13	12.95	June 14	13.71
Dec. 5	10.86	Mar. 6	1.54	May 11	13.65	July 12	14.78
Jan. 12, 1962	12.30	Apr. 17	9.54	June 15	13.62	Aug. 16	14.90
Feb. 13	9.29	May 14	11.69	July 13	14.25	Sept. 20	15.39
Mar. 9	9.15	June 7	12.59	Aug. 17	16.17	Nov. 11	14.10
Apr. 19	12.09	July 8	12.87	Sept. 14	17.51	Dec. 9	9.04
May 10	(a)						

a Well being pumped.

385810N1223705.1. Local number 13N/7W-15Q1 M. Formerly 13/7-15Q1. F. Bartrum. About 1.5 mi northeast of Clearlake Highlands, in Burns Valley. Drilled unused water-table well in Cache Formation of Anderson (1936), diam 12 in, depth 172 ft. Lsd 1,385 ft above msl. Highest water level 0.3 below lsd, Mar. 26, 1952; lowest 12.4 below lsd, Oct. 11, 1959. Records available: 1949-54, 1956-65.

Jan. 6, 1961	5.4	Apr. 19, 1962	1.94	July 8, 1963	4.34	Oct. 12, 1964	10.01
Feb. 3	3.1	May 10	2.61	Aug. 13	7.54	Nov. 16	9.24
Mar. 3	2.4	June 12	4.18	Sept. 17	7.35	Dec. 14	8.46
Apr. 5	2.1	July 12	7.39	Oct. 21	7.39	Jan. 18, 1965	3.20
May 3	2.3	Aug. 16	9.46	Nov. 19	7.12	Feb. 15	2.24
June 8	3.8	Sept. 7	9.77	Dec. 20	3.79	Mar. 15	2.28
July 7	6.9	Oct. 11	8.62	Jan. 13, 1964	7.10	Apr. 13	2.33
Aug. 8	8.89	Nov. 15	7.50	Feb. 24	5.35	May 17	2.16
Sept. 7	9.08	Dec. 4	7.20	Mar. 16	5.36	June 14	3.26
Oct. 4	8.44	Jan. 3, 1963	6.43	Apr. 13	5.44	July 12	6.10
Nov. 7	8.68	Feb. 13	2.40	May 11	6.04	Aug. 16	8.50
Dec. 5	7.09	Mar. 6	3.17	June 15	7.49	Sept. 20	7.70
Jan. 12, 1962	4.26	Apr. 17	1.54	July 13	9.55	Nov. 11	8.90
Feb. 13	1.63	May 14	1.32	Aug. 17	10.33	Dec. 9	6.64
Mar. 9	1.25	June 7	1.92	Sept. 14	10.58		

Los Angeles County

Antelope Valley

343237N1175824.1. Local number 5N/10W-6N1 S. Formerly 5/10-6N1. Little Rock Irrigation District. Near Little Rock. Drilled unused water-table well in alluvium, diam 14 in, depth 250+ ft, cased with steel. Lsd 2,777.2 ft above msl. Highest water level 65.0 below lsd, Mar. 2, 1945; lowest 147.30 below lsd, July 17, 1956. Records available: 1938, 1940-65. Records furnished by Los Angeles County Flood Control District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1961	118.60	May 1, 1962	123.40	Sept. 3, 1963	128.30	Feb. 1, 1965	123.6
Feb. 6	118.80	June 1	123.50	Oct. 1	126.70	Mar. 1	124.6
Mar. 7	122.70	July 2	124.80	Nov. 14	124.90	Apr. 6	126.9
Apr. 4	121.20	Aug. 6	126.50	Dec. 3	123.60	May 3	125.9
May 1	124.00	Sept. 5	125.50	Jan. 6, 1964	123.30	June 1	127.2
June 5	125.40	Oct. 1	125.10	Feb. 3	123.70	July 7	127.3
July 18	127.90	Nov. 19	123.50	Mar. 3	126.7	Aug. 9	128.2
Aug. 7	130.40	Dec. 4	122.40	Apr. 6	123.5	Sept. 8	g126.1
Sept. 5	126.80	Jan. 8, 1963	122.20	May 5	124.0	14	127.7
Oct. 2	128.90	Feb. 5	121.70	June 14	123.5	Oct. 6	g126.2
Nov. 7	126.10	Mar. 4	126.90	July 14	125.5	11	125.7
24	127.40	Apr. 1	122.40	Aug. 4	127.7	Nov. 2	125.2
Jan. 8, 1962	123.00	May 1	127.10	Sept. 1	128.8	3	g125.2
Feb. 5	122.60	June 4	128.70	Oct. 5	130.5	Dec. 6	124.0
Mar. 5	121.80	July 1	129.80	Dec. 1	125.0	8	g123.8
Apr. 3	124.40	Aug. 5	132.00	Jan. 5, 1965	124.1		

g Measurement by outside agency or person.

343701N1175627.1. Local number 6N/10W-9Q1 S. Formerly 6/10-9Q1. Henry Winters. Formerly Rhodes-Cogburn. Near Alpine Butte. Drilled irrigation and domestic water-table well in alluvium, diam 16 in, depth 275 ft, cased with steel. Lsd 2,596 ft above msl. Highest water level 142.1 below lsd, Dec. 2, 1941; lowest 168.9 below lsd, Nov. 3, 1965. Records available: 1940-48, 1950-65. Records furnished by Los Angeles County Flood Control District. Nov. 22, 1961, 165.60; Nov. 14, 1962, 166.30; Nov. 13, 1963, 167.40; Nov. 30, 1964, 168.3; Nov. 3, 1965, 168.9 (measurement by outside agency or person).

344149N1180822.1. Local number 7N/12W-15F2 S. Formerly 7/12-15F2. Los Angeles County Water District, well 4. Tenth and Date Sts., Lancaster. Drilled public-supply water-table well in alluvium, diam 16 to 12 in, depth 600 ft, cased, 16-in to 244, 12-in to 372. Lsd 2,354 ft above msl. Highest water level 42.9 below lsd, Feb. 28, 1945; lowest 156.0 below lsd, Oct. 19, 1965. Records available: 1943-45, 1947-55, 1957-65.

Feb. 28, 1961	120.78	Nov. 8, 1962	130.78	Nov. 7, 1963	132.03	Nov. 16, 1964	g141.3
Oct. 24	127.42	13	g131.40	12	g132.70	Apr. 15, 1965	134.32
Nov. 21	g122.20	Mar. 12, 1963	129.82	Mar. 2, 1964	128.74	Oct. 19	156.00
Feb. 28, 1962	115.24	Oct. 1	140.81	Sept. 18	153.15		

g Measurement by outside agency or person.

344551N1175846.1. Local number 8N/10W-19Q1 S. Formerly 8/10-19Q1. Union Trust & Savings Bank. East of Redman School, about 4 mi southeast of Rosamond Lake. Drilled unused water-table well in alluvium, diam 12 in, depth 690 ft, cased with steel. Lsd 2,342 ft above msl. Highest water level 29.7 below lsd, Apr. 9, 1941; lowest 147.56 below lsd, July 16, 1947. Records available: 1939-48, 1950-65.

Feb. 28, 1961	102.97	Nov. 10, 1962	109.15	Mar. 3, 1964	105.83	Apr. 14, 1965	107.55
Oct. 26	108.51	Mar. 12, 1963	105.37	Sept. 19	112.32	Oct. 20	111.86
Feb. 28, 1962	103.17	Nov. 5	109.29				

344421N1182822.1. Local number 8N/15W-33G1 S. Formerly 8/15-33G1. J. Alessio. West of Fairmont. Drilled domestic water-table well in alluvium, diam 12 in, depth 282 ft, cased with steel. Lsd 2,930 ft above msl. Highest water level 194.0 below lsd, Jan. 23, 1946; lowest 283.50 below lsd, Apr. 6, 1962. Records available: 1946-65. Records furnished by California State Department of Water Resources.

Apr. 6, 1961	272.60	Nov. 13, 1962	252.00	Apr. 3, 1964	252.4	Apr. 21, 1965	251.5
Oct. 18	274.80	Apr. 3, 1963	250.50	Nov. 24	263.7	Nov. 4	261.9
Apr. 6, 1962	283.50	Nov. 22	260.60				

San Gabriel River Basin

340535N1175735.1. Local number 1S/10W-7R2 S. Formerly 1S/10-18. Key well U.S. 75. Baldwin Park. Drilled observation water-table well tapping fine sand to coarse gravel in alluvial deposits, diam 16 in, depth 200 ft, perforated 74-174, 181-196. Lsd 387 ft above msl. Highest water level 56.0 below lsd, May 19, 1916; lowest 177.98 below lsd, Oct. 7-8, 1965. Records available: 1903-65.

Mean water-level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	150.29	150.36	150.57	150.99	152.04	153.56	155.69	158.40	160.67	162.15	162.97	162.61
10	150.36	150.30	150.69	151.11	152.24	153.77	156.14	158.81	161.09	162.26	163.12	162.44
15	150.51	150.26	150.82	151.28	152.53	154.03	156.62	159.18	161.41	162.47	163.18	162.25
20	150.69	150.26	150.75	151.53	152.77	154.38	157.09	159.56	161.58	162.76	163.20	162.08
25	150.74	150.43	150.83	151.63	153.02	154.82	157.50	159.96	161.71	162.86	163.02	161.93
Eom	150.54	150.52	150.77	151.84	153.26	155.30	157.90	160.32	161.98	162.92	162.82	161.79
1962												
5	161.69	161.46	150.79	141.96	143.63	145.14	147.05	147.45	146.63	148.31	148.69	149.01
10	161.78	161.34	147.34	142.14	143.99	145.34	147.03	146.93	148.39	148.78	149.39	149.09
15	161.73	161.09	144.43	142.38	144.25	145.50	147.85	146.65	147.18	148.44	148.80	149.12
20	161.68	160.18	142.88	142.65	144.34	145.78	148.11	146.28	147.43	148.47	148.84	149.23
25	161.63	157.24	142.22	143.00	144.60	146.20	148.21	146.13	147.85	148.53	148.94	149.31
Eom	161.52	154.90	142.00	143.26	144.83	146.66	147.94	146.30	148.11	148.59	148.92	149.38

340535N1175735.1--Continued.

1963												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	149.52	150.51	151.02	151.62	152.31	154.06	156.40	159.63	162.36	163.54	163.88	163.19
10	149.72	150.58	151.15	151.77	152.60	154.33	156.90	160.06	162.51	163.68	163.75	163.18
15	149.88	150.65	151.31	151.94	152.89	154.61	154.40	160.57	162.92	163.86	163.68	163.18
20	150.06	150.64	151.37	151.98	153.23	155.00	157.98	161.11	162.93	163.79	163.53	163.20
25	150.23	150.73	151.47	152.07	153.58	155.33	158.54	161.57	162.88	163.76	163.40	163.21
Eom	150.43	150.82	151.54	152.15	153.85	155.83	159.04	162.03	163.32	163.85	163.26	163.27
1964												
5	163.36	163.49	164.16	164.67	165.51	167.11	168.72	171.37	173.42	174.94	175.92	175.33
10	163.45	163.62	164.28	164.75	165.63	167.31	169.14	171.75	173.68	175.26	175.87	175.30
15	163.58	163.75	164.39	164.95	165.88	167.46	169.59	172.11	174.02	175.46	175.70	175.34
20	163.56	163.92	164.59	165.15	166.17	167.62	170.02	172.42	174.24	175.63	175.56	175.35
25	163.44	164.09	164.68	165.29	166.46	167.88	170.45	172.80	174.49	175.84	175.43	175.24
Eom	163.40	164.14	164.67	165.45	166.83	168.27	170.97	173.15	174.70	175.85	175.36	175.12
1965												
5	175.02	174.92	175.10	174.25	174.10	175.40	174.87	175.39	177.43	177.93	177.72	173.37
10	174.94	174.85	174.94	174.02	174.27	175.59	174.67	175.73	177.53	177.91	177.57	167.85
15	174.88	174.86	174.80	173.78	174.48	175.77	174.56	176.14	177.72	177.80	177.33	161.77
20	174.90	174.95	174.62	173.59	174.80	175.87	174.57	176.49	177.77	177.69	176.96	157.22
25	174.87	175.00	174.52	173.64	174.98	175.63	174.84	176.77	177.81	177.86	176.56	154.94
Eom	174.90	175.02	174.44	173.96	175.32	175.22	175.10	177.14	177.82	177.85	175.92	153.70

Coastal Plain

335506N1180832.1. Local number 3S/12W-8L3 S. Formerly 3S/12-8L3. Los Angeles County Farm. Near Downey. Drilled unused artesian well in Gaspar water-bearing zone of Holocene age and underlying deposits of Pleistocene age, diam 8 in, depth 248 ft, cased with steel. Lsd 92 ft above msl. Highest water level 14.45 below lsd, Mar. 20, 1930; lowest 83.69 below lsd, Aug. 27, 1962. Records available: 1930-65. Records furnished by San Gabriel Valley Protective Association.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1961	78.68	Apr. 30, 1962	82.00	July 29, 1963	81.02	Oct. 26, 1964	79.40
Feb. 27	79.57	May 28	82.20	Aug. 26	81.23	Nov. 30	77.80
Mar. 27	79.02	June 25	82.54	Sept. 30	81.08	Dec. 28	76.9
Apr. 24	79.80	July 30	83.07	Oct. 28	79.60	Jan. 25, 1965	76.8
May 29	80.71	Aug. 27	83.69	Nov. 25	78.80	Feb. 22	76.7
June 26	82.06	Sept. 24	83.24	Dec. 30	78.72	Mar. 29	76.3
July 31	82.68	Oct. 29	82.58	Jan. 27, 1964	77.91	Apr. 26	76.2
Aug. 28	82.60	Nov. 26	81.96	Feb. 24	78.33	May 31	76.6
Sept. 25	82.20	Dec. 31	81.35	Mar. 23	77.38	June 28	76.8
Oct. 30	82.01	Jan. 28, 1963	80.82	Apr. 27	77.50	July 26	77.1
Nov. 27	81.41	Feb. 25	80.51	May 25	75.83	Aug. 30	77.5
Dec. 11	81.60	Mar. 25	80.25	June 29	78.25	Sept. 27	77.3
Jan. 29, 1962	80.87	Apr. 29	79.69	July 27	80.40	Oct. 25	78.7
Feb. 26	80.24	May 27	80.47	Aug. 31	79.60	Nov. 29	76.0
Mar. 26	80.43	June 24	80.02	Sept. 28	79.60	Dec. 27	75.5

335405N1182104.1. Local number 3S/14W-21B1 S. Formerly 3S/14-21B1. Southern California Water Co. Rosecrans plant well 2. Near Hawthorne. Drilled public-supply artesian well in sand and gravel deposits of Pleistocene age, diam 16 in, depth 500 ft, cased with steel. Lsd 63 ft above msl. Highest water level 66 below lsd, May 1, 1931; lowest 134 below lsd, Oct. 7, Nov. 7, Dec. 7, Dec. 28, 1958, Jan. 7, 1959. Records available: 1931-37, 1939-65. Records furnished by Southern California Water Co.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1961	115	Mar. 7, 1962	114	May 7, 1963	116	June 7, 1964	123
Feb. 7	119	Apr. 7	113	June 7	115	July 7	123
Mar. 7	119	May 7	114	July 7	122	Aug. 7	125
Apr. 7	122	June 7	118	Aug. 7	126	Sept. 7	125
May 7	124	July 7	118	Sept. 7	117	Dec. 7	121
June 7	126	Aug. 7	122	Oct. 7	121	Jan. 7, 1965	117
July 7	126	Sept. 7	122	Nov. 7	118	Feb. 7	118
Aug. 7	126	Oct. 7	120	Dec. 7	117	Mar. 7	118
Sept. 7	129	Nov. 7	117	Jan. 7, 1964	118	Apr. 7	116
Oct. 7	124	Dec. 7	117	Feb. 7	119	May 7	121
Nov. 7	123	Jan. 7, 1963	116	Mar. 7	118	June 7	120
Dec. 7	123	Feb. 7	116	Apr. 7	120	July 7	120
Jan. 7, 1962	123	Mar. 7	118	May 7	124	Aug. 7	122
Feb. 7	120	Apr. 7	119				

335130N1180337.1. Local number 4S/11W-5D1 S. Formerly 4S/11-5D1. V. Capovilla. Near Norwalk. Drilled domestic artesian well in deposits of Pleistocene age, diam 10 in, depth 270 ft, cased with steel. Lsd 44.7 ft above msl. Highest water level 3.41 below lsd, Mar. 17, 1933; lowest 88.68 below lsd, Aug. 29, 1961. Records available: 1930-64. Measurement discontinued in 1965. Records furnished by Orange County Flood Control District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 28, 1961	j71.85	Dec. 28, 1961	j65.69	Dec. 27, 1962	j65.35	July 21, 1964	j80.94
Apr. 25	j78.71	Mar. 29, 1962	j56.54	May 21, 1963	j74.08	Aug. 25	j80.66
May 23	j81.72	Apr. 24	j69.09	June 27	j75.17	Sept. 23	j78.98
June 20	j85.34	May 29	j73.96	Mar. 27, 1964	j69.48	Oct. 20	j74.66
July 25	j86.75	July 20	j79.25	Apr. 28	(a)	Nov. 27	j65.26
Aug. 29	j88.68	Aug. 21	j85.42	May 25	j76.69	Dec. 22	j63.04
Nov. 24	j73.10	Nov. 29	j69.46	June 26	(a)		

a Well being pumped.

j Water level below sea level.

344929N1181244.1. Local number 4S/13W-14L1 S. Formerly 4S/13-14L1. Southern California Edison Co., Ltd. Long Beach. Drilled unused artesian well in Gaspar water-bearing zone of Holocene age, diam 10 in, depth 114 ft, perforated 90-114. Lsd 28.55 ft above msl. Highest water level 20.62 below lsd, Apr. 5, 1941; lowest 61.59 below lsd, Dec. 27, 1965. Records available: 1930-65. Records furnished by city of Long Beach.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1961	54.62	Apr. 23, 1962	57.07	July 29, 1963	58.32	Oct. 26, 1964	59.49
Feb. 27	54.47	May 25	57.29	Aug. 26	58.44	Nov. 30	60.07
Mar. 27	54.77	June 25	57.24	Sept. 23	58.39	Dec. 30	60.31
Apr. 24	54.54	July 30	57.24	Oct. 23	58.34	Jan. 25, 1965	60.44
May 29	54.49	Aug. 27	57.34	Nov. 25	58.39	Feb. 22	60.44
June 26	54.60	Sept. 24	57.35	Dec. 30	58.44	Mar. 29	60.52
July 31	56.04	Oct. 29	57.19	Jan. 27, 1964	58.71	Apr. 26	60.57
Aug. 28	56.26	Nov. 26	57.14	Feb. 24	58.79	May 24	60.46
Sept. 25	55.69	Dec. 24	57.54	Mar. 30	58.94	June 28	60.89
Oct. 30	55.49	Jan. 25, 1963	57.79	Apr. 27	58.99	July 27	61.14
Nov. 27	55.39	Feb. 25	57.89	May 25	59.04	Aug. 30	61.24
Dec. 25	55.39	Mar. 25	57.89	June 29	59.37	Sept. 27	61.34
Jan. 29, 1962	55.87	Apr. 29	58.01	July 27	59.48	Oct. 25	61.37
Feb. 26	56.89	May 27	57.97	Aug. 31	59.44	Nov. 29	61.46
Mar. 26	57.04	June 24	58.20	Sept. 28	59.44	Dec. 27	61.59

334905N1181246.1. Local number 4S/13W-23G2 S. Formerly 4S/13-23G2. City of Long Beach. Near Long Beach. Drilled unused artesian well in gravel in uppermost part of Silverado water-bearing zone of Pleistocene age, diam 26 to 16 in, depth 1,074 ft, perforated 650-900. Lsd 23.23 ft above msl. Highest water level 52.93 below lsd, Feb. 6, 1939; lowest 131.75 below lsd, Jan. 20, 1953. Records available: 1932-65. Records furnished by city of Long Beach.

Jan. 30, 1961	110.35	Apr. 23, 1962	117.60	July 29, 1963	115.02	Oct. 26, 1964	112.68
Feb. 27	115.00	May 28	118.26	Aug. 26	116.98	Nov. 30	111.09
Mar. 27	114.97	June 25	114.40	Sept. 23	115.30	Dec. 30	109.56
Apr. 24	119.35	July 30	118.25	Oct. 23	113.75	Jan. 25, 1965	112.43
May 29	121.16	Aug. 27	119.05	Nov. 25	111.37	Feb. 22	117.63
June 26	120.10	Sept. 24	117.95	Dec. 30	113.10	Mar. 29	116.05
July 31	121.70	Oct. 29	115.15	Jan. 27, 1964	111.10	Apr. 26	116.40
Aug. 28	122.14	Nov. 26	113.75	Feb. 24	104.75	May 24	118.07
Sept. 25	122.10	Dec. 24	111.75	Mar. 30	108.55	June 28	119.47
Oct. 30	116.85	Jan. 25, 1963	107.88	Apr. 27	110.47	July 27	122.70
Nov. 27	115.15	Feb. 25	109.74	May 25	116.18	Aug. 30	124.75
Dec. 25	112.82	Mar. 25	112.88	June 29	117.15	Sept. 27	121.50
Jan. 29, 1962	107.80	Apr. 29	110.82	July 27	120.05	Oct. 25	120.70
Feb. 26	111.15	May 27	110.84	Aug. 31	118.23	Nov. 29	117.70
Mar. 26	111.68	June 24	112.85	Sept. 28	117.35	Dec. 27	114.57

Mendocino County

Sanel Valley

385800N1230648.1. Local number 13N/11W-19P1 M. Formerly 13/11-19P1. Charles Ashurst. About 0.4 mi south of Hopland. Dug and drilled irrigation water-table well in alluvium of Holocene age, size 4 × 5 ft, depth 44 ft, 12-in casing to 44, perforated 24-44. Lsd 488 ft above msl. Highest water level 1.3 below lsd, Feb. 9, 1960; lowest 21.0 below lsd, Oct. 2, 1958. Records available: 1953-55, 1958-65.

Jan. 6, 1961	9.2	Apr. 19, 1962	9.08	July 9, 1963	12.60	Oct. 13, 1964	18.75
Feb. 3	6.3	May 10	9.83	Aug. 12	15.55	Nov. 17	10.18
Mar. 3	8.7	June 12	12.52	Sept. 16	17.67	Dec. 15	10.06
Apr. 5	8.4	July 12	16.0	Oct. 22	17.15	Jan. 19, 1965	8.29
May 3	9.0	Aug. 16	18.13	Nov. 19	10.79	Feb. 16	9.00
June 7	10.5	Sept. 7	18.31	Dec. 19	11.34	Mar. 16	9.84
July 7	13.1	Oct. 10	18.31	Jan. 15, 1964	11.54	Apr. 14	8.30
Aug. 8	16.3	Nov. 15	13.20	Feb. 25	9.89	May 17	9.30
Sept. 6	17.79	Dec. 4	7.50	Mar. 17	9.67	June 15	11.45
Oct. 4	17.86	Jan. 3, 1963	9.54	Apr. 14	10.37	July 13	13.65
Nov. 7	18.30	Feb. 13	7.92	May 12	11.39	Aug. 18	16.34
Dec. 5	8.43	Mar. 6	11.32	June 16	13.92	Sept. 20	18.07
Jan. 12, 1962	10.03	Apr. 17	5.95	July 14	15.94	Nov. 10	18.34
Feb. 13	3.78	May 14	9.08	Aug. 17	17.80	Dec. 10	10.30
Mar. 9	4.93	June 7	12.06	Sept. 15	18.66		

b Well pumped recently.

385831N1230522.1. Local number 13N/11W-20G1 M. Formerly 13/11-20G1. I. Bliss. About 0.5 mi east of East Hopland. Drilled domestic well in alluvium of Holocene age, diam 6 in, depth 135 ft. Lsd 515 ft above msl. Highest water level 2.3 below lsd, Feb. 9, 1960; lowest 64.21 below lsd, Oct. 4, 1961. Records available: 1953-55, 1958-65.

Jan. 6, 1961	4.1	May 10, 1962	5.34	Aug. 12, 1963	7.94	Oct. 13, 1964	12.81
Feb. 3	3.0	June 12	6.77	Sept. 16	11.93	Nov. 17	5.67
Mar. 3	4.1	July 12	8.28	Oct. 22	10.74	Dec. 15	4.83
Apr. 5	4.3	Aug. 16	11.73	Nov. 19	5.02	Jan. 19, 1965	4.51
May 3	4.8	Sept. 7	12.56	Dec. 19	4.54	Feb. 16	4.82
June 8	6.2	Oct. 10	12.85	Jan. 15, 1964	4.37	Mar. 16	as.35
July 7	7.9	Nov. 15	5.45	Feb. 25	4.24	Apr. 14	4.78
Aug. 8	11.7	Dec. 4	4.35	Mar. 17	4.33	May 17	5.01
Sept. 7	12.55	Jan. 3, 1963	4.10	Apr. 14	4.52	June 15	5.19
Oct. 4	64.21	Feb. 13	3.67	May 12	4.76	July 13	7.35
Nov. 7	13.18	Mar. 6	4.44	June 16	7.43	Aug. 18	10.83
Dec. 5	4.79	Apr. 17	3.89	July 14	8.45	Sept. 21	12.09
Jan. 12, 1962	4.06	May 14	4.35	Aug. 17	11.92	Nov. 10	(a)
Mar. 9	3.83	June 7	5.60	Sept. 15	13.07	Dec. 10	5.70
Apr. 19	4.72	July 9	6.08				

a Well being pumped.

Ukiah Area

391026N1231232.1. Local number 15N/12W-8L1 M. Formerly 15/12-8L1. Arnold Bogner. About 1 mi north of Ukiah. Drilled domestic water-table well in terrace deposits of Holocene age, diam 12 in, depth 52 ft. Lsd 655 ft above msl. Highest water level 10.10 below lsd, Mar. 9, 1962; lowest 30.6 below lsd, Dec. 5, 1959. Records available: 1951-55, 1958-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1961	15.6	Apr. 19, 1962	15.84	July 9, 1963	21.59	Oct. 13, 1964	26.13
Feb. 3	17.2	May 10	18.52	Aug. 13	23.05	Nov. 17	23.10
Mar. 3	14.5	June 12	21.44	Sept. 17	24.46	Dec. 15	18.97
Apr. 5	13.9	July 12	22.90	Oct. 22	25.39	Jan. 19, 1965	15.66
May 3	16.7	Aug. 16	24.50	Nov. 19	13.84	Feb. 16	20.77
June 8	19.4	Sept. 7	22.33	Dec. 19	20.65	Mar. 16	22.04
July 7	24.7	Oct. 10	24.02	Jan. 15, 1964	20.84	Apr. 14	20.67
Aug. 8	23.72	Nov. 15	21.05	Feb. 25	17.98	May 18	18.86
Sept. 6	a31.90	Dec. 4	20.44	Mar. 17	13.80	June 15	21.03
Oct. 4	26.45	Jan. 3, 1963	17.62	Apr. 14	20.69	July 13	22.34
Nov. 7	a28.72	Feb. 13	15.68	May 12	21.81	Aug. 18	23.80
Dec. 5	22.70	Mar. 6	17.21	June 16	22.78	Sept. 23	25.38
Jan. 12, 1962	18.76	Apr. 17	14.30	July 14	23.75	Nov. 10	26.85
Feb. 13	16.53	May 14	17.50	Aug. 18	24.76	Dec. 10	21.08
Mar. 9	10.10	June 7	19.00	Sept. 15	25.30		

a Well being pumped.

Potter Valley

391944N1230657.1. Local number 17N/11W-18J1 M. Replaces well 17/11-29P1. Carson. About 2.5 mi southeast of Potter Valley. Drilled domestic well in alluvium, diam 8 in, depth 36 ft. Lsd 955 ft above msl. Highest water level 1.50 above lsd, Aug. 22, 1960; lowest 5.20 below lsd, Oct. 13, 1964. Records available: 1951-55, 1958-65.

June 12, 1951	-0.80	Nov. 15, 1959	-0.8	Dec. 25, 1961	+0.85	Dec. 19, 1963	(q)
Oct. 15	1.12	Dec. 15	-7	Jan. 23, 1962	(q)	Jan. 15, 1964	(q)
Dec. 5	+23	Jan. 25, 1960	+2	Feb. 26	(q)	Feb. 25	-0.59
Apr. 3, 1952	-39	Feb. 15	+8	Mar. 26	(q)	Mar. 17	(q)
Nov. 20	-62	Mar. 28	+5	Apr. 26	(q)	Apr. 14	(q)
Apr. 23, 1953	-50	Apr. 25	+3	May 23	(q)	May 12	-0.06
Oct. 21	-59	May 23	0	June 25	-55	June 16	-31
Mar. 31, 1954	+46	June 20	-5	July 23	a-.05	July 14	a2.37
May 20	-49	July 18	1.2	Aug. 20	a1.43	Aug. 18	-80
Aug. 11	b1.00	Aug. 22	1.5	Sept. 18	-85	Sept. 15	1.22
Sept. 28	-96	Sept. 19	-8	Oct. 25	(q)	Oct. 13	5.20
Mar. 30, 1955	-0.02	Oct. 24	-4	Nov. 26	+85	Nov. 17	(q)
Oct. 13, 1958	-6	Nov. 14	-1	Dec. 20	+85	Dec. 15	(q)
Nov. 17	-7	Dec. 27	0	Jan. 21, 1963	+70	Jan. 19, 1965	(q)
Dec. 15	-5	Jan. 23, 1961	(q)	Feb. 18	(q)	Feb. 16	(q)
Jan. 19, 1959	+6	Feb. 20	+9	Mar. 19	(q)	Mar. 16	+49
Feb. 19	a+.4	Mar. 27	(q)	Apr. 23	(q)	Apr. 14	+1.24
Mar. 17	a+.4	Apr. 26	(q)	May 20	+70	May 18	a-.82
Apr. 21	-1	May 15	(q)	June 18	-35	June 15	-09
May 18	-4	June 26	a2.02	July 9	-53	July 13	1.02
June 22	-9	July 26	-41	Aug. 19	-56	Aug. 18	-44
July 20	1.2	Aug. 28	-2	Sept. 17	-34	Sept. 23	-06
Aug. 24	-7	Sept. 27	1.56	Oct. 23	(q)	Nov. 10	+4.23
Sept. 22	-2	Oct. 28	(q)	Nov. 20	(q)	Dec. 9	+1.22
Oct. 26	-8	Nov. 27	(q)				

a Well being pumped.

b Well pumped recently.

q Flowing.

Little Lake Valley

392459N1232103.1. Local number 18N/13W-19E1 M. Formerly 18/13-19E1. Northwestern Pacific RR. Willis. Drilled unused artesian well in alluvium of Holocene age and continental deposits of Pliocene and Pleistocene age, diam 12 in, depth 493 ft. Lsd 1,350 ft above msl. Highest water level 20.59 below lsd, May 20, 1963; lowest 37.6 below lsd, Oct. 24, 1960. Records available: 1958-65.

Jan. 23, 1961	26.8	Apr. 25, 1962	21.85	July 10, 1963	21.84	Oct. 13, 1964	29.35
Feb. 20	25.8	May 23	25.01	Aug. 19	25.38	Nov. 17	26.55
Mar. 27	24.5	June 25	22.70	Sept. 18	27.41	Dec. 15	24.33
Apr. 26	24.0	July 23	23.84	Oct. 23	25.74	Jan. 19, 1965	22.05
May 15	23.8	Aug. 21	25.63	Nov. 20	25.98	Feb. 16	22.17
June 26	24.13	Sept. 18	26.63	Dec. 18	21.13	Mar. 17	21.76
July 26	24.54	Oct. 25	24.25	Jan. 15, 1964	21.48	Apr. 14	21.30
Aug. 28	23.0	Nov. 26	22.29	Feb. 25	21.22	May 18	21.62
Sept. 27	27.83	Dec. 20	22.61	Mar. 17	20.90	June 15	21.78
Oct. 23	27.57	Jan. 21, 1963	21.55	Apr. 14	22.21	July 13	23.85
Nov. 27	25.45	Feb. 18	22.00	May 12	22.83	Aug. 18	28.54
Dec. 26	24.10	Mar. 19	20.95	June 16	24.83	Sept. 23	27.44
Jan. 23, 1962	23.00	Apr. 23	20.79	July 14	23.77	Nov. 10	29.20
Feb. 26	22.19	May 20	20.59	Aug. 19	26.76	Dec. 9	24.49
Mar. 26	23.00	June 18	20.94	Sept. 15	29.87		

Laytonville Area

393837N1232818.1. Local number 21N/14W-30M1. Formerly 21/14-30M1. Mary E. Tracy. About 2 mi south of Laytonville. Dug domestic and irrigation water-table well in alluvium of Holocene age, size 5 x 5 ft, depth 29 ft. Lsd 1,688 ft above msl. Highest water level 2.68 below lsd, Apr. 23, 1963; lowest 20.0 below lsd, Aug. 25, 1959. Records available: 1952-55, 1958-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1961	8.5	Apr. 25, 1962	11.60	July 10, 1963	13.20	Oct. 14, 1964	16.95
Feb. 20	4.7	May 23	9.66	Aug. 19	15.83	Nov. 18	13.66
Mar. 27	3.3	June 25	13.67	Sept. 18	15.89	Dec. 16	6.73
Apr. 26	5.0	July 23	15.00	Oct. 23	16.14	Jan. 20, 1965	5.13
May 15	4.8	Aug. 21	15.36	Nov. 20	7.91	Feb. 17	5.24
June 26	10.64	Sept. 19	16.79	Dec. 18	6.83	Mar. 17	5.97
July 26	13.25	Oct. 24	17.11	Jan. 15, 1964	5.15	Apr. 15	5.75
Aug. 28	15.4	Nov. 26	9.96	Feb. 25	6.89	May 18	10.27
Sept. 27	16.46	Dec. 19	7.83	Mar. 17	5.31	June 15	11.59
Oct. 23	16.97	Jan. 21, 1963	6.70	Apr. 15	5.87	July 13	13.17
Nov. 27	16.38	Feb. 18	3.92	May 13	8.24	Aug. 18	9.98
Dec. 26	8.55	Mar. 19	5.27	June 16	14.49	Sept. 23	15.75
Jan. 23, 1962	6.64	Apr. 23	2.68	July 14	18.22	Nov. 10	16.40
Feb. 26	4.79	May 20	5.00	Aug. 19	17.70	Dec. 9	8.20
Mar. 26	4.02	June 18	9.84	Sept. 15	17.12		

Round Valley

394802N1231157.1. Local number 22N/12W-4B1 M. Formerly 22/12-4B1. C. Rohn. About 2.5 mi east of Covelo. Drilled irrigation artesian well in alluvium of Holocene age, diam 12 in, depth 200 ft. Lsd 1,351 ft above msl. Highest water level 3.7 below lsd, Feb. 19, 1959; lowest 17.7 below lsd, Dec. 15, 1959. Records available: 1951-65.

Jan. 23, 1961	7.1	Apr. 25, 1962	6.40	June 18, 1963	7.50	Sept. 15, 1964	14.28
Feb. 20	4.9	May 23	6.40	July 10	8.18	Oct. 13	15.76
Mar. 27	4.7	June 25	8.65	Aug. 19	10.90	Nov. 17	9.57
Apr. 26	5.7	July 24	10.89	Sept. 5	g11.92	Dec. 16	6.29
May 15	6.0	Aug. 20	12.70	Oct. 9	g14.85	Feb. 16, 1965	6.28
June 26	7.27	Sept. 18	13.81	Nov. 14	g10.05	Mar. 17	6.55
July 26	8.99	Oct. 25	14.52	Dec. 17	g6.56	Apr. 15	6.38
Aug. 28	11.0	Nov. 26	8.82	Jan. 24, 1964	g4.40	May 18	6.66
Sept. 27	13.88	Dec. 20	6.82	Feb. 26	g6.18	June 15	7.54
Oct. 23	14.38	Jan. 21, 1963	6.75	Apr. 10	g6.72	July 13	8.94
Nov. 27	15.10	Feb. 18	6.44	May 7	g7.13	Aug. 18	11.84
Dec. 26	6.91	Mar. 19	6.05	June 9	g7.60	Sept. 23	13.58
Jan. 23, 1962	5.91	Apr. 23	5.32	July 14	(a)	Nov. 10	15.33
Feb. 26	5.39	May 20	6.44	Aug. 19	13.82	Dec. 9	7.15
Mar. 26	5.83						

a Well being pumped.

g Measurement made by outside agency or person.

Napa County

Napa Valley

381730N1221632.1. Local number 5N/4W-11M1 M. Formerly 5/4-11M1. DeWitt Machine Shop. Napa. Drilled water-table well (occasionally used to test pumps) in younger and older alluvium, diam 8 in, depth 77 ft. Lsd 13 ft above msl. Highest water level 3.82 below lsd, Apr. 16, 1963; lowest 10.5 below lsd, Sept. 8, 1950. Records available: 1950-65.

Jan. 5, 1961	8.6	Apr. 18, 1962	7.58	July 8, 1963	8.12	Oct. 12, 1964	9.15
Feb. 2	6.3	May 9	8.32	Aug. 12	7.92	Nov. 16	7.87
Mar. 2	7.1	June 11	8.32	Sept. 16	8.53	Dec. 14	8.10
Apr. 4	6.7	July 10	8.70	Oct. 21	8.04	Jan. 18, 1965	5.08
May 2	8.0	Aug. 14	9.26	Nov. 18	7.08	Feb. 15	6.86
June 7	8.5	Sept. 4	9.51	Dec. 20	7.23	Mar. 15	6.65
July 6	9.0	Oct. 9	8.94	Jan. 13, 1964	8.71	Apr. 13	5.70
Aug. 7	6.7	Nov. 14	7.30	Feb. 24	7.10	May 17	7.34
Sept. 6	9.5	Dec. 3	7.20	Mar. 16	7.60	June 14	8.61
Oct. 3	9.19	Jan. 2, 1963	6.60	Apr. 13	8.37	July 12	8.16
Nov. 7	9.17	Feb. 12	4.04	May 11	8.68	Aug. 16	8.21
Dec. 4	7.69	Mar. 5	5.96	June 15	8.47	Sept. 20	8.41
Jan. 11, 1962	8.27	Apr. 16	3.82	July 13	8.80	Nov. 11	8.42
Feb. 12	5.58	May 13	4.10	Aug. 17	9.08	Dec. 9	7.19
Mar. 8	4.12	June 6	7.70	Sept. 14	8.95		

382218N1221901.1. Local number 6N/4W-17A1 M. Formerly 6/4-17A1. R. Ohlandt. About 4 mi north of Napa. Drilled irrigation water-table well in younger and older alluvium, diam 12 in, depth 250 ft, cased to 250. Lsd 67 ft above msl. Highest water level 9.7 below lsd, Mar. 27, 1952; lowest 23.7 below lsd, Oct. 6, 1960. Records available: 1949-65.

Jan. 5, 1961	15.5	Mar. 8	4.53	May 14, 1963	2.08	June 15, 1964	15.92
Feb. 2	13.7	Apr. 18	5.47	June 7	4.95	July 13	19.28
Mar. 2	11.7	May 9	8.78	July 8	7.16	Aug. 17	18.58
Apr. 4	9.9	June 11	13.58	Aug. 13	9.79	Sept. 14	19.99
May 2	10.6	July 12	12.58	Sept. 17	12.48	Oct. 12	19.90
June 7	18.5	Aug. 16	14.75	Oct. 21	12.01	Nov. 16	16.36
July 6	19.4	Sept. 18	18.50	Nov. 19	10.80	Dec. 14	15.35
Aug. 7	21.0	Oct. 11	22.34	Dec. 20	9.89	Jan. 18, 1965	3.75
Sept. 6	23.1	Nov. 15	9.88	Jan. 13, 1964	10.08	Feb. 15	4.69
Oct. 3	23.20	Dec. 4	9.63	Feb. 24	8.19	Mar. 15	6.10
Nov. 7	22.88	Jan. 4, 1963	8.39	Mar. 16	8.29	Apr. 13	5.98
Dec. 4	19.14	Feb. 13	1.30	Apr. 13	8.60	May 17	7.55
Jan. 11, 1962	15.93	Mar. 6	2.22	May 11	16.44	June 14	10.40
Feb. 12	13.82	Apr. 17	.75				

382218N1221901.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 12, 1965	14.84	Sept. 20, 1965	15.16	Nov. 11, 1965	14.77	Dec. 9, 1965	12.98
Aug. 16	13.28						

382750N1225504.1. Local number 7N/5W-16B2 M. Formerly 7/5-16B2. W. E. Lawson. About 0.25 mi northeast of Rutherford. Drilled unused water-table well in younger and older alluvium, diam 10 in, depth 232 ft. Lsd 155 ft above msl. Highest water level 4.0 below lsd, Mar. 27, 1952; lowest 28.3 below lsd, Sept. 7, 1961. Records available: 1949-53, 1955-65.

Jan. 5, 1961	13.4	Apr. 18, 1962	8.91	July 8, 1963	10.32	Oct. 12, 1964	17.70
Feb. 2	10.3	May 9	7.82	Aug. 13	16.23	Nov. 16	16.51
Mar. 2	8.8	June 12	18.69	Sept. 17	13.75	Dec. 14	14.98
Apr. 5	8.7	July 12	24.15	Oct. 21	14.81	Jan. 18, 1965	6.09
May 3	8.2	Aug. 16	14.55	Nov. 19	13.79	Feb. 15	7.15
June 8	c21.6	Sept. 18	c26.60	Dec. 20	12.26	Mar. 15	8.48
July 7	27.1	Oct. 11	14.45	Jan. 13, 1964	11.94	Apr. 13	8.53
Aug. 8	27.9	Nov. 15	10.41	Feb. 24	9.77	May 17	9.11
Sept. 7	28.3	Dec. 4	11.40	Mar. 16	10.05	June 14	15.06
Oct. 4	16.98	Jan. 4, 1963	12.39	Apr. 13	10.40	July 12	11.68
Nov. 7	16.61	Feb. 13	5.98	May 11	11.23	Aug. 16	13.10
Dec. 5	14.33	Mar. 6	8.38	June 15	13.03	Sept. 20	14.67
Jan. 12, 1962	12.28	Apr. 17	5.92	July 13	14.23	Nov. 11	15.80
Feb. 13	7.47	May 14	7.40	Aug. 17	16.79	Dec. 9	13.68
Mar. 8	5.47	June 7	8.40	Sept. 14	17.31		

c Nearby well being pumped.

383326N1223118.1. Local number 8N/6W-10Q1 M. Formerly 8/6-10Q1. Marolf Bros. About 3.5 mi southeast of Calistoga. Drilled stock and irrigation water-table well in younger and older alluvium, diam 10 in, depth 184 ft. Lsd 290 ft above msl. Highest water level 0.59 below lsd, Feb. 13, 1962; lowest 40.8 below lsd, Sept. 14, 1950. Records available: 1949-65.

Jan. 5, 1961	7.4	Apr. 18, 1962	2.27	July 8, 1963	3.78	Oct. 12, 1964	11.06
Feb. 2	3.8	May 10	3.13	Aug. 13	4.98	Nov. 16	9.20
Mar. 3	1.8	June 12	4.37	Sept. 17	6.56	Dec. 14	7.35
Apr. 5	1.8	July 12	5.86	Oct. 21	7.35	Jan. 18, 1965	1.67
May 3	2.6	Aug. 16	8.50	Nov. 19	5.85	Feb. 15	1.70
June 8	3.8	Sept. 18	10.18	Dec. 20	3.43	Mar. 15	2.02
July 7	5.4	Oct. 11	9.60	Jan. 13, 1964	4.09	Apr. 13	1.83
Aug. 8	8.7	Nov. 15	5.75	Feb. 24	2.01	May 17	(a)
Sept. 7	10.3	Dec. 4	4.40	Mar. 16	2.38	June 14	3.94
Oct. 4	10.83	Jan. 4, 1963	2.20	Apr. 13	3.07	July 12	4.57
Nov. 7	10.61	Feb. 13	1.90	May 11	3.90	Aug. 16	6.20
Dec. 5	10.09	Mar. 6	1.45	June 15	4.95	Sept. 20	7.50
Jan. 12, 1962	9.63	Apr. 17	1.10	July 13	b21.12	Nov. 11	8.40
Feb. 13	.59	May 14	1.46	Aug. 17	8.10	Dec. 9	6.24
Mar. 8	1.70	June 7	2.52	Sept. 14	9.38		

a Well being pumped.

b Well pumped recently.

Orange CountyCoastal Plain

334837N1175501.1. Local number 4S/10W-22L2 S. Formerly 4S/10-22L2. Halderman & Callens (Disneyland). Near Anaheim. Drilled irrigation artesian and water-table well in sand and gravel of Pleistocene age, diam 16 in, depth 472 ft, perforated 140-158, 370-401, 410-457. Lsd 135.99 ft above msl. Highest water level 90.61 below lsd, Apr. 13, 1935; lowest 156.41 below lsd, Sept. 13, 1957. Records available: 1928-65. Measurement discontinued; well destroyed Oct. 19, 1965. Records furnished by Orange County Flood Control District.

Jan. 10, 1961	134.01	Mar. 9, 1962	127.93	May 9, 1963	114.56	July 9, 1964	98.41
Feb. 10	134.12	Apr. 10	127.26	June 11	110.82	Aug. 11	(a)
Mar. 10	137.42	May 11	127.88	July 11	110.34	Sept. 10	98.03
Apr. 13	134.72	June 8	128.74	Aug. 8	110.30	Oct. 9	95.25
May 11	137.03	July 10	131.59	Sept. 10	109.88	Nov. 13	95.12
June 8	137.52	Aug. 9	126.96	Oct. 10	108.88	Dec. 9	93.87
July 13	137.66	Sept. 13	125.18	Nov. 14	106.53	Jan. 11, 1965	92.26
Aug. 10	140.25	Oct. 9	123.56	Dec. 10	104.44	Feb. 10	91.95
Sept. 14	138.98	Nov. 8	121.45	Jan. 10, 1964	103.15	Mar. 5	92.68
Oct. 10	137.56	Dec. 11	118.78	Feb. 13	101.42	Apr. 13	90.61
Nov. 10	137.55	Jan. 10, 1963	117.29	Mar. 10	100.88	May 12	91.55
Dec. 12	136.00	Feb. 7	116.16	Apr. 9	99.59	June 15	92.49
Jan. 9, 1962	134.30	Mar. 12	116.85	May 8	98.78	July 9	93.30
Feb. 13	129.76	Apr. 9	112.92	June 11	(a)	Sept. 16	94.48

a Well being pumped.

j Water level below sea level.

334837N1180400.1. Local number 4S/11W-19K1 S. Formerly 4S/11-19K1. Los Alamitos Sugar Co. Near Los Alamitos. Drilled unused artesian well in deposits of Pleistocene age, diam 12 in, depth 448 ft, perforated 440-460. Lsd 28.50 ft above msl. Highest water level flowing, 1901; lowest 73.53 below lsd, July 22, 1957. Records available: 1901, 1903, 1929-65. Records furnished by City of Long Beach.

334837N1180400.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1961	152.88	Apr. 23, 1962	151.80	July 29, 1963	156.71	Oct. 26, 1964	146.78
Feb. 27	159.98	May 28	156.00	Aug. 26	155.78	Nov. 30	135.48
Mar. 27	163.36	June 25	158.45	Sept. 23	149.62	Dec. 21	133.94
Apr. 24	162.88	July 30	164.48	Oct. 28	142.14	Jan. 25, 1965	27.72
May 29	169.84	Aug. 27	162.40	Nov. 25	136.53	Feb. 22	131.48
June 26	168.25	Sept. 24	159.40	Dec. 30	134.91	Mar. 22	133.13
July 31	169.95	Oct. 29	149.48	Jan. 27, 1964	134.61	Apr. 26	27.18
Aug. 28	170.52	Nov. 26	144.69	Feb. 24	135.71	May 24	136.56
Sept. 25	168.55	Dec. 24	141.96	Mar. 30	135.38	June 28	144.23
Oct. 30	162.15	Jan. 28, 1963	139.67	Apr. 27	136.74	July 27	146.18
Nov. 27	157.48	Feb. 25	137.15	May 25	140.30	Aug. 30	148.68
Dec. 25	151.48	Mar. 25	139.70	June 29	143.94	Sept. 27	146.32
Jan. 29, 1962	148.33	Apr. 29	137.54	July 27	151.13	Oct. 25	141.75
Feb. 26	147.08	May 27	146.13	Aug. 31	153.54	Nov. 29	131.06
Mar. 26	144.43	June 24	143.63	Sept. 28	148.98	Dec. 27	27.83

j Water level below sea level.

334226N1175047.1. Local number 5S/9W-29M1 S. Formerly I-9F1. The Irvine Co. (Plant No. 91). Near Santa Ana. Drilled irrigation artesian well in deposits of Pleistocene age, diam 20 to 10 in, depth 1,208 ft. Lsd 51.5 ft above msl. Highest water level 23.62 below lsd, Apr. 18, 1945; lowest 104.39 below lsd, July 31, 1957. Records available: 1932-65. Records furnished by Orange County Flood Control District.

Jan. 25, 1956	179.52	Mar. 5, 1958	174.83	Aug. 3, 1960	186.47	Feb. 19, 1963	160.48
Feb. 29	180.41	Apr. 9	165.68	31	181.86	May 14	155.10
Mar. 7	180.27	23	164.53	Oct. 26	174.52	June 14	152.20
Apr. 25	182.60	May 28	171.69	Nov. 23	169.30	Aug. 13	166.35
May 30	182.06	June 25	174.80	Dec. 28	165.60	Sept. 13	156.24
June 27	186.67	July 16	190.17	Jan. 4, 1961	165.11	Oct. 8	50.10
July 25	1103.52	Aug. 6	184.95	25	176.41	Nov. 19	44.45
Aug. 29	193.82	27	179.37	Mar. 1	197.74	Mar. 17, 1964	155.32
Sept. 28	192.95	Sept. 24	179.20	29	189.43	Apr. 15	45.19
Oct. 31	186.88	Oct. 29	178.10	May 31	181.52	May 12	46.82
Nov. 28	187.27	Nov. 26	173.86	June 21	179.35	June 16	(a)
Dec. 26	186.93	Dec. 31	170.42	Aug. 23	184.28	July 14	49.28
Jan. 2, 1957	185.45	Jan. 21, 1959	170.46	Sept. 20	178.99	Aug. 18	160.39
Feb. 20	187.22	Apr. 29	183.77	Oct. 25	174.99	Sept. 16	(a)
Mar. 27	199.44	May 13	183.07	Nov. 22	172.26	Oct. 14	(a)
Apr. 24	194.51	July 8	194.01	Dec. 27	165.30	Nov. 19	40.61
May 22	185.16	Sept. 23	190.41	Mar. 14, 1962	166.64	Dec. 11	38.38
June 19	186.10	Oct. 28	188.26	Apr. 11	165.25	Jan. 19, 1965	35.40
July 31	1104.39	Nov. 25	183.28	May 17	163.25	Feb. 11	46.95
Aug. 28	193.86	Dec. 30	176.97	Aug. 14	172.49	Mar. 16	47.95
Sept. 18	191.05	Jan. 27, 1960	174.84	Sept. 18	166.73	Apr. 16	36.62
Oct. 30	183.99	Apr. 6	192.18	Oct. 11	167.91	Sept. 21	42.44
Nov. 27	178.87	20	189.89	Nov. 16	156.04	Nov. 19	35.27
Dec. 26	172.78	May 25	183.70	Jan. 15, 1963	152.66	Dec. 28	28.28
Jan. 29, 1958	175.11	June 29	181.07				

a Well being pumped.

j Water level below sea level.

333900N1175843.1. Local number 6S/11W-13G2 S. Formerly 6S/11-13G2. Surf Land & Water Co. East of Huntington Beach. Drilled unused artesian well in Talbert water-bearing zone, diam 12 in, depth 154 ft, cased with steel. Lsd 3.30 ft above msl. Highest water level 0.24 below lsd, May 13, 1965; lowest 17.09 below lsd, Feb. 21, 1951. Records available: 1930-65. Measurement discontinued; well destroyed Aug. 16, 1965. Records furnished by Orange County Flood Control District.

Jan. 25, 1961	17.97	Mar. 29, 1962	17.81	May 22, 1963	15.76	June 24, 1964	13.85
Feb. 22	18.75	Apr. 19	18.00	29	15.72	July 22	13.73
Mar. 29	19.20	May 31	17.70	June 26	15.72	Aug. 26	13.92
Apr. 26	18.76	June 28	17.73	July 24	15.89	Sept. 30	13.68
May 31	18.65	July 31	18.03	Aug. 28	16.20	Oct. 28	13.43
June 28	18.49	Aug. 30	18.32	Sept. 25	15.67	Nov. 18	2.99
July 26	18.79	Sept. 27	18.22	Oct. 23	15.32	Dec. 10	2.85
Aug. 30	18.76	Oct. 31	18.27	Nov. 27	14.44	Jan. 14, 1965	2.84
Sept. 27	18.68	Nov. 28	17.65	Dec. 26	14.12	Feb. 10	2.79
Oct. 25	18.49	Dec. 26	17.32	Jan. 29, 1964	13.85	Mar. 10	2.85
Nov. 22	18.17	Jan. 23, 1963	17.08	Feb. 26	14.14	Apr. 15	1.06
Dec. 27	17.14	Feb. 27	16.93	Mar. 25	14.21	May 13	.24
Jan. 30, 1962	17.18	Mar. 27	16.77	May 1	13.84	June 17	.33
Feb. 23	14.72	Apr. 24	16.19	29	15.15	July 14	.65

j Water level below sea level.

Riverside County

Chuckwalla Valley

335133N1151419.1. Local number 4S/17E-6C1 S. Harold Stark. About 13½ mi northeast of Desert Center. Drilled domestic and irrigation well in alluvium, diam 16 in, depth 501 ft. Lsd 500 ft above msl. Highest water level 21 below lsd, May 21, 1952; lowest 22.51 below lsd, Mar. 18, 1965. Records available: 1932, 1952, 1954-57, 1959, 1961-65.

335133N1151419.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1932	g22.5	May 16, 1957	g21.6	Mar. 8, 1962	a43.00	Mar. 19, 1964	22.41
May 21, 1952	g21	Sept. 11, 1959	g21.9	May 7	22.14	Nov. 25	22.40
Sept. 17, 1954	g21.2	Apr. 10, 1961	21.82	Nov. 1	22.41	Mar. 18, 1965	22.51
May 25, 1955	g21.2	Nov. 9	22.40	Mar. 14, 1963	22.22	Nov. 18	22.30
Oct. 16, 1956	g21.4	Jan. 9, 1962	22.20	Oct. 31	22.31		

a Well being pumped.

g Measurement made by California Dept. of Water Resources.

334702N1152141.1. Local number 5S/16E-7M2 S. H. C. Brown. About $3\frac{1}{2}$ mi northeast of Desert Center. Drilled unused well in alluvium, diam 14 in, depth 789 ft. Lsd 611 ft above msl. Highest water level 124.10 below lsd, Nov. 25, 1964; lowest 146.46 below lsd, July 21, 1962. Records available: 1959, 1961-65.

Feb. 16, 1959	g233.8	June 20, 1961	c129.27	Dec. 7, 1961	127.66	Aug. 24, 1962	c132.35
Apr. 22, 1961	g126.03	July 24	126.36	Jan. 9, 1962	133.04	Sept. 27	132.44
25	c125.67	Aug. 6	126.02	Feb. 7	132.06	Nov. 1	c129.15
May 16	c127.00	Sept. 7	126.15	Mar. 8	128.29	8	128.62
17	126.25	Oct. 7	125.64	Apr. 9	c141.51	Mar. 14, 1963	124.64
18	127.13	8	c125.11	May 7	142.14	Mar. 19, 1964	124.25
20	c128.37	8	125.15	June 17	c144.28	Nov. 25	124.10
June 10	125.70	9	125.06	19	138.61	Mar. 18, 1965	124.31
15	127.34	Nov. 7	125.87	July 21	146.46	Nov. 18	124.64

a Well being pumped.

c Nearly well being pumped.

g Measurement made by California Electric Power Co.

333502N1145325.1. Local number 7S/20E-4R1 S. Vada McBride. About 30 mi east of Desert Center. Drilled unused well in alluvium, diam 16 in, depth 316 ft. Lsd 418 ft above msl. Highest water level 150.73 below lsd, Apr. 9, 1962; lowest 151.83 below lsd, June 12, 1961. Records available: 1961-65.

June 12, 1961	151.83	Mar. 8, 1962	150.89	Mar. 13, 1963	150.84	Nov. 25, 1964	151.13
Oct. 10	151.09	Apr. 9	150.73	Oct. 31	150.91	Mar. 18, 1965	151.21
Nov. 8	151.03	May 7	150.83	Mar. 19, 1964	150.77	Nov. 18	151.40
Jan. 10, 1962	151.04	Oct. 31	150.90				

Joshua Tree National Monument

340042N1161031.1. Local number 2S/8E-7K1 S. National Park Service (Stokes No. 2). In narrow valley east of Hidden Valley at west side of Lost Horse Valley. Drilled unused well in residuum, diam 8 in, depth 290 ft. Lsd 4,100 ft above msl. Highest water level 202.52 below lsd, Sept. 10, 1962; lowest 221.85 below lsd, Oct. 30, 1963. Records available: 1961-65.

Nov. 22, 1961	208.68	Mar. 13, 1963	210.24	Mar. 18, 1964	211.50	Mar. 17, 1965	211.92
Sept. 10, 1962	202.52	Oct. 30	221.85	Nov. 24	212.59	Nov. 17	213.11
Oct. 31	209.74						

335718N1154034.1. Local number 2S/12E-36F1 S. National Park Service (Dale Holmes well, Gold Rose well). Pinto Basin, 1 mi east of Gold Crown Road at Mission well. Drilled domestic well in alluvium. Diam unknown, depth 444 ft. Lsd 1,350 ft above msl. Highest water level 400.36 below lsd, Mar. 14, 1963; lowest 410.2 below lsd, Mar. 18, 1965. Records available: 1961-65.

Nov. 17, 1961	400.51	Mar. 14, 1963	400.36	Mar. 19, 1964	407.50	Mar. 18, 1965	410.2
Nov. 1, 1962	b409.76	Oct. 31	408.32	Nov. 25	409.4	Nov. 18	409.3

b Well pumped recently.

335612N1152433.1. Local number 3S/15E-4J1 S. National Park Service (Kaiser No. 2). East end of Pinto Basin near Kaiser Steel Company's Eagle Mountain wells. Drilled unused well in alluvium, diam 16 in, depth 575 ft. Lsd 1,080.6 ft above msl. Highest water level 150 below lsd, Dec. 4, 1954; lowest 160.21 below lsd, Nov. 18, 1965. Records available: 1954-65.

Dec. 4, 1954	g150	Aug. 18, 1956	155.3	Sept. 15, 1958	155.6	Mar. 28, 1961	156.81
June 22, 1955	154.94	Sept. 19	155.7	Jan. 7, 1959	155.7	Nov. 9	157.49
Sept. 22	155.20	May 18, 1957	155.21	Mar. 12	155.6	16	157.77
Dec. 22	155.6	19	155.65	June 11	155.8	Nov. 1, 1962	158.79
Feb. 9, 1956	155.2	June 26	155.48	Sept. 8	155.71	Mar. 14, 1963	159.28
11	155.1	Aug. 21	g155.49	Dec. 10	155.74	Oct. 31	159.34
12	155.0	Sept. 18	g155.37	Mar. 1, 1960	155.6	Mar. 19, 1964	159.49
Mar. 23	155.0	Nov. 30	155.0	June 12	155.90	Nov. 25	159.53
May 27	154.88	Mar. 2, 1958	155.1	Oct. 13	155.93	Mar. 16, 1965	159.81
July 27	g155.3	May 30	155.4	Jan. 1, 1961	156.14	Nov. 18	160.21

g Measurement made by Kaiser Steel Corp.

334712N1154856.1. Local number 4S/11E-27Q1 S. National Park Service (Cottonwood well). In Smoketree Wash $3\frac{1}{2}$ mi north of Cottonwood Spring. Drilled public-supply well in alluvium, diam 12 in, depth 403 ft. Lsd 2,975 ft above msl. Highest water level 170.29 below lsd, Mar. 12, 1959; lowest 179.38 below lsd, Oct. 31, 1963. Records available: 1958-61, 1963-65. No measurement made in 1962.

Nov. 21, 1958	g170.6	June 6, 1959	170.30	Mar. 17, 1961	170.39	Oct. 31, 1963	179.38
Dec. 1	g170.6	Dec. 10	170.32	Apr. 7	170.40	Nov. 25, 1964	179.23
Jan. 7, 1959	170.48	Mar. 1, 1960	170.30	Oct. 26	170.43	Mar. 18, 1965	177.34
Mar. 12	170.29	Oct. 13	170.36	Mar. 14, 1963	179.23	Nov. 18	177.70

g Measurement made by well driller.

Rice Valley

340300N1144730.1. Local number 1S/21E-32B1 S. J. H. Roberts. About 1 mi southeast of Rice Air Base, and 4 mi southeast of Rice. Drilled unused water-table well in alluvium, diam 16 in, depth 175 ft. Lsd 740 ft above msl. Highest water level 150.60 below lsd, Oct. 31, Nov. 8, 1962; lowest 152.74 below lsd, Mar. 18, 1964. Records available: 1962-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 27, 1962	150.65	Oct. 31, 1962	150.60	Oct. 30, 1963	152.65	Mar. 17, 1965	152.05
Aug. 24	150.71	Nov. 8	150.60	Mar. 18, 1964	152.74	Nov. 17	152.11
Sept. 27	150.67	Mar. 13, 1963	150.69	Nov. 24	151.91		

San Jacinto Valley

334655N1171322.1. Local number 4S/3W-32E1 S. Formerly 4/3W-32E1. James Malcolm. Fourth and F Sts., Perris. Drilled water-table well in alluvium, diam 16 in, depth unknown, cased with steel. Lsd 1,433 ft above msl. Highest water level 62.45 below lsd, Apr. 26, 1948; lowest 89.90 below lsd, Mar. 12, 1959. Records available: 1929-43, 1945-65. Records furnished by Riverside County Flood Control and Water Conservation District.

Jan. 3, 1961	81.19	Mar. 21, 1962	70.47	May 8, 1963	74.25	Aug. 3, 1964	75.77
Feb. 3	81.29	Apr. 25	70.41	June 5	74.25	Oct. 2	75.23
Mar. 7	81.50	June 22	72.11	July 3	74.37	Nov. 9	75.32
23	81.34	July 6	72.50	Aug. 6	74.56	Dec. 23	75.35
May 4	76.60	Aug. 6	73.85	Sept. 5	74.40	Feb. 8, 1965	75.43
30	74.41	Sept. 12	73.72	Oct. 21	74.58	Mar. 17	75.41
July 11	74.50	Oct. 16	73.80	Dec. 4	74.64	Apr. 15	75.45
Aug. 3	76.83	Nov. 8	73.83	Jan. 8, 1964	74.77	June 1	75.50
Sept. 4	76.91	Dec. 5	73.92	Feb. 7	74.73	July 13	75.72
Nov. 1	75.80	Jan. 9, 1963	73.92	Mar. 19	74.98	Aug. 6	75.73
29	73.50	Feb. 6	74.07	May 14	75.62	Sept. 16	75.70
Dec. 28	72.38	Mar. 5	74.07	June 8	74.71	Nov. 3	75.79
Feb. 1, 1962	71.47	26	74.16	July 10	75.15	Dec. 20	75.80

334228N1170450.1. Local number 5S/2W-27E2 S. Formerly 5/2W-27E2. Fred Harvey. Winchester. Drilled domestic water-table well in alluvium, diam 9 in, depth unknown, cased with steel. Lsd 1,477 ft above msl. Highest water level 25.20 below lsd, Mar. 4, 1931; lowest 64.20 below lsd, Nov. 2, 1961. Records available: 1930-65. Records furnished by Riverside County Flood Control and Water Conservation District.

Jan. 2, 1961	60.29	Mar. 21, 1962	59.39	May 9, 1963	59.92	Aug. 3, 1964	62.35
Feb. 3	60.42	Apr. 26	58.33	June 6	60.00	Oct. 1	63.23
Mar. 7	61.04	June 22	59.46	July 5	60.06	Nov. 9	64.15
Apr. 3	60.66	July 4	59.36	Aug. 7	60.05	Dec. 24	63.65
May 8	60.98	Aug. 7	60.62	Sept. 6	60.22	Feb. 5, 1965	62.60
29	60.71	Sept. 13	60.73	Oct. 6	60.90	Mar. 18	64.04
July 10	61.00	Oct. 17	60.37	Dec. 4	61.16	Apr. 16	61.65
Aug. 3	60.95	Nov. 8	59.59	Jan. 6, 1964	61.71	June 3	62.42
Sept. 4	62.23	Dec. 6	59.71	Feb. 7	62.02	July 14	61.99
Nov. 2	64.20	Jan. 9, 1963	60.19	Mar. 24	61.31	Aug. 5	62.13
29	63.31	Feb. 7	59.60	May 15	60.58	Sept. 15	61.25
Dec. 26	63.87	Mar. 5	59.60	17	61.96	Nov. 4	61.97
Feb. 3, 1962	59.28	27	59.94	July 13	61.65	Dec. 20	61.98

334050N1171014.1. Local number 5S/3W-3H2 S. Formerly 6/3-3H1. James Miner. Menifee Valley. Drilled irrigation water-table well in alluvium, diam and depth unknown, cased with steel. Lsd 1,428 ft above msl. Highest water level 126.60 below lsd, Apr. 17, 1958; lowest 170.27 below lsd, Jan. 9, 1964. Records available: 1958-65. Records furnished by Riverside County Flood Control and Water Conservation District.

Jan. 3, 1961	157.68	Dec. 5, 1962	168.10	May 14, 1964	163.92	Mar. 17, 1965	167.80
Feb. 3	156.21	Jan. 9, 1963	163.13	June 8	(a)	Apr. 16	163.47
Nov. 2	164.90	Mar. 27	166.87	July 10	(a)	June 1	(a)
27	164.44	Oct. 25	168.41	Aug. 6	(a)	July 12	(a)
Dec. 28	163.73	Dec. 5	163.45	Oct. 6	(a)	Aug. 6	(a)
Feb. 1, 1962	160.94	Jan. 9, 1964	170.27	Nov. 9	168.89	Sept. 15	(a)
Mar. 21	160.21	Feb. 10	160.00	Dec. 24	164.45	Nov. 3	(a)
Apr. 26	162.30	Mar. 20	(a)	Feb. 4, 1965	(a)	Dec. 20	162.92

a Well being pumped.

San Bernardino County

Chino Basin

340420N1172346.1. Local number 1S/5W-22E1 S. Formerly 1S/5-22E1. Citizens' Land & Water Co. Bloomington. Drilled unused water-table well in alluvium of Pleistocene age, diam 14 in, depth 620 ft, cased with steel. Lsd 1,107.0 ft above msl. Highest water level 236.9 below lsd, Oct. 7, 1927; lowest 291.6 below lsd, Sept. 1, 1965. Records available: 1927-65. Measurement for 1960 not previously published. Records furnished by San Bernardino County Flood Control District.

Feb. 2, 1960	273.80	Apr. 6, 1961	277.20	June 1, 1962	281.20	June 28, 1963	285.00
Mar. 3	273.80	May 4	277.60	28	282.00	Aug. 2	285.80
Apr. 7	273.60	June 1	278.00	July 27	282.80	30	286.20
May 3	273.00	July 6	279.40	Aug. 31	283.20	Sept. 30	286.20
June 1	274.40	Aug. 2	279.20	Sept. 28	283.60	Oct. 30	286.00
July 7	275.40	Sept. 6	280.80	Nov. 1	283.40	Nov. 29	285.80
Aug. 2	271.00	Oct. 6	281.20	Dec. 3	283.60	Jan. 7, 1964	286.0
30	276.20	Nov. 2	281.20	Jan. 3, 1963	284.00	31	286.0
Oct. 7	276.80	Dec. 1	285.40	Feb. 3	285.80	Mar. 6	287.2
Nov. 4	276.60	Jan. 6, 1962	285.40	28	283.50	Apr. 9	287.8
Dec. 8	276.60	Feb. 2	280.40	Mar. 22	287.60	May 7	286.0
Jan. 12, 1961	276.80	Mar. 2	280.40	Apr. 2	283.60	29	286.6
Feb. 3	277.00	Apr. 6	280.20	May 1	283.60	July 1	287.2
Mar. 1	277.20	27	280.20	31	284.40	Aug. 5	288.0

340420N1172346. 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 3, 1964	288.4	Jan. 12, 1965	274.2	May 7, 1965	289.0	Sept. 1, 1965	291.6
Oct. 2	288.6	Feb. 5	288.8	June 9	290.4	Oct. 1	291.2
27	289.0	Mar. 3	288.6	30	290.2	Nov. 1	291.4
Dec. 1	288.8	Apr. 12	289.0	Aug. 5	290.4	Dec. 7	291.2

Mojave River Basin

Upper Basin

342243N1171413. 1. Local number 3N/3W-6E2 S. Formerly 3/3W-6E2. McBain. Formerly Mike Spranger. Near the Mojave River about $4\frac{1}{2}$ mi southeast of Hesperia. Drilled domestic water-table well in alluvium, diam 12 in, depth 61 ft, cased with steel. Lsd 2,940 ft above msl. Highest water level 3.95 below lsd, Mar. 24, 1958; lowest dry, Oct. 24, 1961, Mar. 16, 1964, Mar. 15, 1965. Records available: 1948-65.

Mar. 15, 1961	55.32	Oct. 29, 1962	38.17	Mar. 16, 1964	(f)	Mar. 15, 1965	(f)
Oct. 24	(f)	Mar. 11, 1963	48.70	Nov. 12	54.40	Nov. 15	49.30
Mar. 13, 1962	5.42	Oct. 28	56.81				

f Dry.

342612N1171416. 1. Local number 4N/3W-18E1 S. Formerly 4/3W-18E1. Clyde Hills. Near Mojave River about 4 mi east of Hesperia. Drilled irrigation water-table well in alluvium, diam 12 in, depth 100 ft, cased with steel. Lsd 2,866.58 ft above msl. Highest water level 14.36 below lsd, May 2, 1945; lowest 50.15 below lsd, Dec. 1, 1960. Records available: 1930-32, 1935, 1938-65.

Mar. 15, 1961	48.86	Oct. 29, 1962	48.56	Oct. 28, 1963	49.51	Mar. 15, 1965	49.51
Oct. 24	b52.28	Mar. 11, 1963	49.87	Mar. 16, 1964	48.34	Nov. 15	49.12
Mar. 13, 1962	47.54						

b Well pumped recently.

343122N1170945. 1. Local number 5N/3W-14G1 S. Owner unknown. About $1\frac{1}{2}$ mi northeast of Apple Valley. Drilled unused water-table well in alluvium, diam 8 in, depth unknown. Lsd 2,916 ft above msl. Highest water level 81.64 below lsd, Apr. 25, 1957; lowest 96.64 below lsd, Dec. 3, 1964. Records available: 1957, 1964-65. Apr. 25, 1957, 81.64; Dec. 3, 1964, 96.64; Mar. 15, 1965, 96.01; Nov. 15, 96.20.

343602N1171020. 1. Local number 5N/3W-22A1 S. Formerly 5/3W-22A1. R. Werner. Formerly Curtis Marshall. At Apple Valley and about $\frac{1}{2}$ mi east of Victorville. Drilled unused water-table well in alluvium, diam 12 in, depth 287 ft, cased with steel. Lsd 2,923.6 ft above msl. Highest water level 88.87 below lsd, May 7, 1948; lowest 102.40 below lsd, Nov. 16, 1954. Records available: 1948-62. Measurement discontinued; well plugged in 1963. Mar. 15, 1961, 100.56; Oct. 24, 101.51; Mar. 13, 1962, 101.17; Oct. 29, 102.05.

343150N1171515. 1. Local number 5N/4W-11P1 S. Formerly 5/4W-11P1. A. Pratt. About $1\frac{1}{2}$ mi southeast of Victorville. Drilled domestic water-table well in alluvium, diam 8 in, depth 65 ft, cased with steel. Lsd 2,788.3 ft above msl. Highest water level 50.20 below lsd, Dec. 8, 1955; lowest 62.40 below lsd, May 11, 1954. Records available: 1931-32, 1935, 1937-65.

Mar. 15, 1961	55.83	Oct. 29, 1962	57.09	Mar. 16, 1964	61.00	Mar. 15, 1965	60.3
Oct. 24	56.53	Mar. 11, 1963	a60.60	Nov. 12	58.90	Nov. 15	59.6
Mar. 13, 1962	a56.44	Oct. 28	58.80				

a Well being pumped.

343342N1173150. 1. Local number 6N/6W-32K1 S. Formerly 6/6-32K1. F. Reinke. El Mirage Valley about 7 mi west of Adelanto. Drilled unused water-table well in alluvium, diam 12 in, depth 226 ft, cased with steel. Lsd 3,047.8 ft above msl. Highest water level 131.0 below lsd, Feb. 20, 1918; lowest 167.10 below lsd, Dec. 5, 1955. Records available: 1918, 1947, 1949-65.

Mar. 15, 1961	156.47	Oct. 29, 1962	156.48	Mar. 16, 1964	156.99	Mar. 15, 1965	156.38
Oct. 24	156.50	Mar. 11, 1963	156.45	Nov. 12	156.36	Nov. 15	156.35
Mar. 13, 1962	156.50	Oct. 28	156.93				

Middle Basin

343820N1172041. 1. Local number 6N/4W-6E6 S. R. D. Workman. South of LaDelta. Drilled unused water-table well in alluvium, diam 6 in, depth 104 ft, cased with steel. Lsd 2,580 ft above msl. Highest water level 42.59 below lsd. Mar. 15, 1962; lowest 46.14 below lsd, Oct. 21, 1965. Records available: 1958-65.

Mar. 9, 1961	43.49	Nov. 2, 1962	44.98	Mar. 9, 1964	43.25	Mar. 11, 1965	43.37
Oct. 27	44.38	Mar. 14, 1963	43.35	Oct. 15	45.43	Oct. 21	46.14
Mar. 15, 1962	42.59	Oct. 31	44.39				

343727N1172542. 1. Local number 6N/5W-8F1 S. Lockwood. Formerly Lingren. About 3 mi north of Adelanto. Drilled domestic water-table well in alluvium, diam 8 in, depth 90 ft, cased with steel. Lsd 2,780 ft above msl. Highest water level 77.13 below lsd, Dec. 17, 1956; lowest 82.76 below lsd, Nov. 29, 1952. Records available: 1947-65.

Mar. 6, 1961	77.92	Oct. 31, 1962	78.00	Mar. 6, 1964	78.49	Mar. 8, 1965	77.94
Oct. 24	78.00	Mar. 11, 1963	78.00	Oct. 12	a79.12	Oct. 18	77.91
Mar. 12, 1962	80.80	Oct. 28	77.98				

a Well being pumped.

343616N1172552. 1. Local number 6N/5W-14M1 S. Owner unknown. North of George Air Force Base. Du; unused water-table well in alluvium, diam 45 in, depth 164 ft, cribbed with wood. Lsd about 2,825 ft above msl. Highest water level 116.19 below lsd, Mar. 6, 1961; lowest 120.7 below lsd, May 8, 1950. Records available: 1918, 1947-61. Measurement discontinued; well destroyed Oct. 24, 1961, Mar. 6, 1961, 116.19.

344217N1172711. 1. Local number 7N/5W-7N1 S. Robert Johnson (Bob's Smoke Shop). About 9 mi north of Adelanto. Drilled domestic water-table well in alluvium of Pleistocene age, diam 6 in, depth 178 ft, cased with steel. Lsd 2,780 ft above msl. Highest water level 145.80 below lsd, Feb. 29, 1960; lowest 159.32 below lsd, Oct. 28, 1963. Records available: 1950, 1958-65.

344217N1172711.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6, 1961	149.75	Oct. 31, 1962	158.31	Mar. 6, 1964	a162.90	Mar. 8, 1965	152.05
Oct. 24	b153.52	Mar. 11, 1963	a163.94	Oct. 12	159.0	Oct. 18	149.59
Mar. 12, 1962	a159.25	Oct. 28	159.32				

a Well being pumped.

b Well pumped recently.

344728N1171456.1. Local number 8N/4W-12Q1 S. Formerly 8/4W-12Q1. Joseph Taylor. Formerly Holcomb Bros. Near Wild Crossing. Drilled irrigation water-table well in alluvium, diam 4 ft, depth unknown, cased with brick. Led 2,329 ft above msl. Highest water level 7.16 below lsd, May 13, 1954; lowest 33.50 below lsd, Oct. 31, 1963. Records available: 1931-32, 1935-37, 1939-41, 1943-65.

Mar. 9, 1961	23.33	Nov. 2, 1962	b28.20	Oct. 31, 1963	33.50	Mar. 8, 1964	a32.00
Oct. 27	a28.74	Mar. 14, 1963	30.99	Feb. 7, 1964	g33.10	Mar. 11, 1965	(a)
Mar. 15, 1962	a28.35						

a Well being pumped.

b Well pumped recently.

g Measurement made by San Bernardino County Flood Control District.

344401N1171947.1. Local number 8N/4W-31R1 S. Formerly 8/4W-31R1. Fred Orebaugh. About 1 mi southwest of Hendale. Dug and drilled unused water-table well in alluvium, diam 14 in, depth 60 ft. Led 2,449 ft above msl. Highest water level 14.10 below lsd, Apr. 25, 1946; lowest 27.95 below lsd, Oct. 21, 1965. Records available: 1930-32, 1934-65.

Mar. 9, 1961	22.73	Nov. 2, 1962	26.16	Mar. 9, 1964	21.80	Mar. 11, 1965	24.60
Oct. 27	26.96	Mar. 14, 1963	17.90	Oct. 15	27.35	Oct. 21	27.95
Mar. 15, 1962	21.16	Oct. 31	26.17				

345420N1170046.1. Local number 9N/1W-5D1 S. Tex Barnett. Barstow. Drilled industrial water-table well in alluvium, diam 10 in, depth 60 ft, cased with steel. Led 2,115 ft above msl. Highest water level 24.01 below lsd, June 19, 1958; lowest 46.36 below lsd, Oct. 19, 1965. Records available: 1958-65.

Mar. 9, 1961	29.48	Nov. 2, 1962	36.05	Mar. 8, 1964	39.10	Mar. 10, 1965	43.68
Oct. 27	33.64	Mar. 12, 1963	36.70	Oct. 14	42.69	Oct. 18	46.36
Mar. 15, 1962	32.29	Oct. 29	38.62				

345440N1171013.1. Local number 10N/3W-35N1 S. Edward Horton. About 2½ mi southeast of Hinkley. Dug and drilled domestic water-table well in alluvium, diam 8 in, depth 144 ft, cased with steel. Led 2,212.0 ft above msl. Highest water level 51.1 below lsd, Dec. 19, 1930; lowest 105.41 below lsd, Mar. 2, 1960. Records available: 1930-32, 1958-65.

Mar. 8, 1961	98.74	Nov. 20, 1962	99.05	Mar. 8, 1964	100.83	Mar. 10, 1965	102.07
Oct. 27	98.54	Mar. 13, 1963	100.94	Oct. 14	101.64	Oct. 18	102.86
Mar. 15, 1962	98.33	Oct. 30	100.40				

Lower Basin

344747N1163104.1. Local number 8N/4E-12L1 S. Formerly 8/4E-12L1. L. A. Shepherd. Formerly Mojave Camp Service Station. About 10 mi east of Newberry. Drilled public-supply and domestic water-table well in alluvium, diam 10 in, depth 205 ft, cased with steel. Led 1,809.86 ft above msl. Highest water level 30.39 below lsd, Mar. 27, 1959; lowest 33.58 below lsd, Nov. 24, 1942. Records available: 1930, 1932, 1935-65.

Mar. 7, 1961	31.29	Dec. 11, 1962	31.60	Mar. 8, 1964	31.68	Mar. 10, 1965	31.79
Oct. 26	31.40	Mar. 13, 1963	31.66	Oct. 14	31.75	Oct. 20	31.83
Mar. 13, 1962	31.38	Oct. 30	31.74				

345217N1165013.1. Local number 9N/1E-13E2 S. Formerly 9/1E-13E2. California Electric Power Co., Coolwater Ranch. About 3 mi east of Daggett. Drilled unused water-table well in alluvium, diam 12 in, depth 170 ft, cased with steel. Led 1,949.6 ft above msl. Highest water level 54.46 below lsd, Apr. 26, 1944; lowest 94.80 below lsd, Oct. 21, 1965. Records available: 1925-27, 1930-33, 1935-65.

Mar. 7, 1961	84.12	Dec. 11, 1962	89.76	Mar. 8, 1964	91.16	Mar. 10, 1965	92.91
Oct. 26	88.23	Mar. 13, 1963	90.33	Oct. 14	93.15	Oct. 21	94.80
Mar. 13, 1962	88.28	Oct. 30	90.75				

345110N1164736.1. Local number 9N/2E-20Q1 S. Formerly 9/2E-20Q1. Daggett Airport. About 5½ mi east of Daggett. Drilled domestic water-table well in alluvium, diam 12 in, depth 120 ft, cased with steel. Led 1,921.35 ft above msl. Highest water level 41.81 below lsd, Nov. 15, 1945; lowest 70.72 below lsd, Oct. 21, 1965. Records available: 1932, 1941-48, 1952-65.

Mar. 7, 1961	63.31	Mar. 13, 1963	66.82	Mar. 8, 1964	68.10	Mar. 10, 1965	69.45
Dec. 13, 1962	66.59	Oct. 30	68.25	Oct. 14	69.76	Oct. 21	70.72

344806N1164318.1. Local number 9N/3E-12 G1 S. Formerly 9/3E-12E1. Tankersley. About 6 mi northeast of Newberry. Dug domestic and stock water-table well in alluvium, diam 10 in, depth unknown, cased with steel. Led 1,801.23 ft above msl. Highest water level 23.84 below lsd, Mar. 23, 1922; lowest dry, Oct. 14, 1964. Records available: 1922, 1930-33, 1935, 1937-64. Measurement discontinued in 1965.

Mar. 7, 1961	33.35	Mar. 13, 1962	33.93	Mar. 13, 1963	36.20	Mar. 8, 1964	39.39
Oct. 26	35.12	Dec. 11	34.60	Oct. 30	38.29	Oct. 14	(f)

f Dry.

345114N1164232.1. Local number 9N/3E-19P1 S. Formerly 9/3E-19P1. J. G. Frey. About 2 mi northwest of Newberry. Drilled unused artesian well in alluvium, diam 12 in, depth 151 ft, cased with steel. Led 1,856.8 ft above msl. Highest water level flowing, Jan. 3, May 19, Nov. 16, 1945, May 2, 1946, May 23, 1947; lowest 20.51 below lsd, Oct. 20, 1965. Records available: 1919, 1922, 1930-35, 1938-48, 1951-65.

Mar. 7, 1961	10.58	Dec. 11, 1962	11.72	Mar. 8, 1964	13.01	Mar. 10, 1965	14.31
Oct. 26	11.42	Mar. 13, 1963	12.58	Oct. 14	13.60	Oct. 20	20.51
Mar. 13, 1962	10.41	Oct. 30	12.55				

Santa Ana River Basin

340718N172041.1. Local number 1N/4W-32N1 S. Formerly 1N/4-32N1. City of San Bernardino. Baseline well. Northwest of San Bernardino. Drilled observation water-table well in alluvium of Pleistocene age, diam 20 in, depth 581 ft, cased with steel. Lsd 1,184 ft above msl. Highest water level 49.4 below lsd, Mar. 6, 1947; lowest 212.7 below lsd, Nov. 12, 1965. Records available: 1946-65. Records furnished by San Bernardino Municipal Water Department.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 13, 1961	170.40	Oct. 4, 1962	185.20	Feb. 27, 1964	192.2	Apr. 7, 1965	198.9
June 14	176.00	Jan. 16, 1963	181.70	Apr. 7	192.9	May 4	199.9
Sept. 20	182.20	Mar. 20	180.40	Aug. 12	202.4	Aug. 26	211.2
Dec. 13	178.90	Aug. 1	191.20	Nov. 18	202.2	Nov. 12	212.7
Mar. 9, 1962	174.20	Oct. 11	193.40	Feb. 11, 1965	198.2	Nov. 24	212.2
June 14	180.70	Nov. 27	189.90				

340416N171322.1. Local number 1S/3W-17C3 S. Formerly 1S/3-17C3. Harold Daniels. Northwest of Redlands. Drilled observation water-table well in alluvium of Pleistocene age, diam 8 in, depth 296 ft, cased with steel. Lsd 1,175.83 ft above msl. Highest water level 101.95 below lsd, July 1, 1958; lowest 199.00 below lsd, Nov. 29, 1965. Records available: 1957-65. Records furnished by Gage Canal Co.

Jan. 28, 1961	153.33	Apr. 30, 1962	158.32	July 29, 1963	180.10	Oct. 26, 1964	187.10
Feb. 25	152.75	May 28	160.35	Aug. 26	182.45	Nov. 30	188.5
Mar. 25	153.57	June 22	161.85	Sept. 30	180.50	Dec. 28	188.30
Apr. 29	154.95	July 30	165.62	Oct. 28	181.90	Jan. 25, 1965	192.23
May 27	156.80	Aug. 27	169.06	Nov. 25	180.40	Feb. 22	193.68
June 24	158.38	Sept. 24	171.73	Dec. 30	180.45	Mar. 29	194.81
July 29	161.80	Oct. 29	173.68	Jan. 27, 1964	180.40	Apr. 26	192.54
Aug. 26	164.35	Nov. 26	174.38	Feb. 24	179.95	May 31	193.78
Sept. 30	166.62	Dec. 31	175.28	Mar. 23	180.60	June 28	192.08
Oct. 28	166.90	Jan. 28, 1963	175.93	Apr. 27	179.50	July 26	193.16
Nov. 25	168.50	Feb. 25	174.95	May 25	179.95	Aug. 30	196.51
Dec. 30	167.15	Mar. 25	174.68	June 29	182.80	Sept. 27	196.81
Jan. 27, 1962	167.25	Apr. 29	172.02	July 27	183.30	Oct. 25	198.40
Feb. 26	163.20	May 27	176.05	Aug. 31	186.65	Nov. 29	199.00
Mar. 26	159.70	June 24	177.37	Sept. 28	186.00	Dec. 27	197.35

340255N171324.1. Local number 1S/3W-32D1 S. Formerly 1S/3-32D1. Hinckley. Windmill well. Near San Timoteo Canyon west of Redlands. Drilled unused well in alluvium of Pliocene(?) and Pleistocene age, diam 10 in, depth 720 ft, cased with steel. Lsd 1,206.9 ft above msl. Highest water level 35.1 below lsd, Mar. 2, 1932; lowest 226.2 below lsd, Oct. 29, 1965. Records available: 1900, 1904-07, 1910-60, 1963-65. No measurement made in 1961-62. Records furnished by San Bernardino Valley Water Conservation District.

Nov. 3, 1963	203.30	Apr. 7, 1964	193.10	Dec. 31	212.9	July 21, 1965	209.4
28	199.40	May 29	200.5	Jan. 28, 1965	207.2	Aug. 25	211.3
Dec. 31	196.80	June 27	205.5	Feb. 26	208.1	Sept. 28	211.5
Jan. 26, 1964	197.00	Aug. 21	213.7	Mar. 22	207.7	Oct. 29	226.2
Feb. 26	197.60	Oct. 30	217.4	May 5	204.2	Dec. 3	219.5
Mar. 26	195.20	Nov. 24	209.8	June 2	208.6	30	214.6

340712N171453.1. Local number 1S/4W-1A6 S. Formerly 1S/4-1A6. Riverside Water Co. McCrary tract well 4. East of San Bernardino. Drilled public-supply water-table well in alluvium of Pleistocene age, diam 10 in, depth 648 ft, cased with steel. Lsd 1,096.0 ft above msl. Highest water level 15.94 above lsd, Mar. 25, 1917; lowest 117.25 below lsd, Nov. 18, 1965. Records available: 1915-65. Records furnished by owner.

Jan. 5, 1961	73.85	Apr. 5, 1962	86.35	Oct. 5, 1963	104.45	Nov. 5, 1964	106.85
Feb. 9	74.35	May 4	91.75	Nov. 1	100.05	24	106.55
Mar. 2	74.95	June 13	93.85	Dec. 5	99.95	Jan. 7, 1965	108.23
Apr. 14	77.25	July 6	91.75	Jan. 3, 1964	100.75	Feb. 4	108.25
May 11	78.85	Sept. 13	92.25	Feb. 13	102.15	Mar. 4	109.15
June 2	79.80	Oct. 12	94.85	Mar. 6	101.55	18	110.95
July 7	93.05	Nov. 1	92.45	Apr. 3	103.55	Apr. 8	110.85
Aug. 17	87.15	Dec. 6	92.55	9	102.45	May 6	110.15
Sept. 1	89.55	Feb. 1, 1963	93.85	May 1	103.55	June 5	111.45
Oct. 6	89.85	Apr. 5	94.15	June 4	105.85	July 17	114.65
Nov. 2	90.35	May 10	94.55	July 2	107.85	Sept. 25	116.05
Dec. 1	94.15	June 7	95.25	Aug. 7	104.05	Oct. 17	117.15
Jan. 11, 1962	85.35	July 4	96.25	Sept. 5	105.35	Nov. 18	117.25
Feb. 9	86.85	Aug. 5	104.15	Oct. 16	108.15	Dec. 6	116.45
Mar. 9	85.55	Sept. 5	98.75				

340517N171749.1. Local number 1S/4W-29H2 S. Formerly 1S/4-29H2. Riverside Water Co., flume 1. South of Colton. Drilled irrigation water-table well in alluvium of Pleistocene and Holocene age, diam 20 in, depth 189 ft, cased with steel. Lsd 934 ft above msl. Highest water level 3.5 below lsd, June 3, 1938; lowest 126.40 below lsd, Oct. 30, 1964. Records available: 1928-65. Records furnished by owner.

Jan. 27, 1961	92.10	Apr. 27, 1962	92.70	July 25, 1963	114.60	Oct. 30, 1964	126.40
Feb. 24	97.00	May 25	97.20	Aug. 30	117.80	Nov. 27	121.80
Mar. 31	101.30	June 29	106.80	Sept. 26	116.10	Dec. 31	115.90
Apr. 28	104.80	July 28	109.90	Oct. 31	122.10	Jan. 29, 1965	111.90
May 26	108.20	Aug. 31	115.20	Nov. 29	107.60	Feb. 26	111.50
June 30	109.60	Sept. 28	115.50	Dec. 26	94.90	Mar. 25	113.50
July 28	110.45	Oct. 26	115.10	Jan. 31, 1964	100.10	Apr. 30	105.00
Aug. 25	113.10	Nov. 29	113.60	Feb. 28	101.80	May 28	108.50
Sept. 29	114.00	Dec. 27	101.70	Mar. 20	104.40	June 25	112.70
Oct. 27	115.17	Jan. 31, 1963	112.40	Apr. 24	104.10	July 30	114.90
Nov. 24	110.60	Feb. 22	108.45	May 29	110.90	Aug. 27	120.20
Dec. 29	109.90	Mar. 28	104.80	June 26	113.20	Sept. 24	121.50
Jan. 26, 1962	105.70	Apr. 25	103.00	July 31	119.20	Oct. 29	125.50
Feb. 23	95.50	May 30	107.20	Aug. 28	120.90	Nov. 26	123.50
Mar. 30	90.00	June 27	111.20	Sept. 25	124.60	Dec. 31	106.00

Yucca Valley-Twenty-nine Palms Area

340808N1161397.1. Local number 1N/7E-26N1 S. Clyde Rollard. Near south end of Copper Mountain and about 5 mi east of Joshua Tree (Village). Drilled domestic water-table well in alluvium of Pleistocene age, diam 8 in, depth 208 ft, cased with steel. Lsd 2,475 ft above msl. Highest water level 159.0 below lsd, Apr. 21, 1954; lowest 175.12 below lsd, Nov. 13, 1951. Records available: 1946-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 16, 1961	(a)	Oct. 30, 1962	169.86	Mar. 17, 1964	170.62	Mar. 17, 1965	171.21
Oct. 25	167.50	Mar. 12, 1963	170.14	Nov. 23	171.13	Nov. 17	171.64
Mar. 14, 1962	168.18	Oct. 29	170.42				

a Well being pumped.

341205N1160340.1. Local number 1N/9E-5G1 S. U. S. Dept. of the Navy. South edge of Mesquite Dry Lake and about 4½ mi north of Twenty-nine Palms. Drilled public-supply water-table well in alluvium of Pleistocene age, diam 14 in, depth 500 ft, perforated 266-284, 324-330, 358-365, 390-396, 415-428. Lsd 1,779.2 ft above msl. Highest water level 4.9' below lsd, Apr. 28, 1952; lowest 6.68 below lsd, Oct. 9, 1961. Records available: 1952-65.

Jan. 10, 1961	6.32	Nov. 14, 1961	6.47	Sept. 11, 1962	6.40	June 18, 1963	6.32
Feb. 1	6.28	Dec. 11	6.42	Oct. 10	(a)	Sept. 4	6.44
Mar. 3	6.29	Jan. 5, 1962	6.40	Nov. 4	6.40	Dec. 30	6.31
May 4	6.34	Feb. 8	6.38	Dec. 12	6.41	July 14, 1964	6.61
June 5	6.50	Mar. 7	6.41	Jan. 11, 1963	6.37	Oct. 29	6.54
July 6	a68.80	Apr. 4	a50.20	Feb. 12	b6.91	Mar. 10, 1965	6.42
Aug. 3	6.45	May 7	6.29	Mar. 15	6.32	June 23	6.54
4	a51.20	June 6	6.34	Apr. 9	6.27	Sept. 14	6.56
Sept. 6	6.67	July 12	6.31	May 17	6.32	Dec. 29	6.55
Oct. 9	6.68	Aug. 9	(a)				

a Well being pumped.

b Well pumped recently.

340810N1160444.1. Local number 1N/9E-30Q1 S. Mathias Laufer (Mission Inn). About 1½ mi west of Twenty-nine Palms. Drilled unused water-table well in alluvium of Pleistocene age, diam 8 in, depth 144 ft, cased with steel. Lsd 2,091.6 ft above msl. Highest water level 101.80 below lsd, May 24, 1953; lowest 115.01 below lsd, Nov. 23, 1964. Records available: 1946-65.

Mar. 16, 1961	105.75	Oct. 30, 1962	109.91	Mar. 17, 1964	114.54	Mar. 16, 1965	110.07
Oct. 25	107.58	Mar. 12, 1963	111.51	Nov. 23	115.01	Nov. 16	110.81
Mar. 14, 1962	106.78	Oct. 29	112.04				

340711N1162548.1. Local number 1S/5E-2B1 S. Charles Butterbaugh. About half a mile east of Yucca Valley. Drilled unused water-table well in alluvium of Pleistocene age, diam 8 in, depth 240 ft, cased with steel. Lsd 3,240 ft above msl. Highest water level 161.18 below lsd, Nov. 13, 1947; lowest 202.84 below lsd, Nov. 23, 1964. Records available: 1947-65.

Mar. 16, 1961	179.90	Oct. 30, 1962	183.32	Mar. 17, 1964	184.71	Mar. 16, 1965	185.6
Oct. 25	181.56	Mar. 12, 1963	183.88	Nov. 23	202.84	Nov. 16	186.2
Mar. 14, 1962	182.00	Oct. 29	184.02				

Morongo Valley

340400N1163253.1. Local number 1S/4E-22J1 S. Clara V. Livingstone. About 2½ mi northeast of Morongo Valley. Drilled domestic water-table well in alluvium of Pleistocene age, diam 8 in, depth 235 ft, cased with steel. Lsd 2,750 ft above msl. Highest water level 154.10 below lsd, Apr. 20, 1954; lowest 172.2 below lsd, Dec. 9, 1965. Records available: 1947-65.

Mar. 16, 1961	168.61	Mar. 12, 1963	170.07	Apr. 29, 1964	g171.0	May 24, 1965	g171.8
Oct. 25	b169.60	Oct. 29	170.42	Nov. 23	171.32	Nov. 16	171.66
Mar. 14, 1962	168.76	Jan. 22, 1964	g170.6	Mar. 16, 1965	171.45	Dec. 9	g172.2
Oct. 30	169.40	Mar. 17	170.61				

b Well pumped recently.

g Measurement made by San Bernardino County Flood Control District.

Dale Valley

340934N1154515.1. Local number 1N/12E-20D1 S. Dale Chemical Industries. Northwest of Dale Lake on Amboy Rd. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in, depth 260 ft, cased with steel. Lsd 1,211.3 ft above msl. Highest water level 27.31 below lsd, Mar. 18, 1964; lowest 30.78 below lsd, Dec. 15, 1964. Records available: 1948, 1950-65.

Mar. 17, 1961	29.21	Oct. 31, 1962	27.79	Mar. 18, 1964	27.31	Mar. 17, 1965	27.52
Oct. 26	29.42	Mar. 13, 1963	27.78	Nov. 24	27.91	Nov. 17	27.41
Mar. 14, 1962	27.94	Oct. 30	28.50				

Johnson Valley

342448N1163715.1. Local number 4N/3E-24Q1 S. Owner unknown. About 5½ mi northeast of Old Woman Springs. Drilled domestic water-table well in alluvium of Pleistocene age, diam 12 in, depth 242 ft, cased with steel. Lsd 2,833 ft above msl. Highest water level 54.60 below lsd, May 6, 1954; lowest 56.08 below lsd, Mar. 14, 1962. Records available: 1954-65.

Mar. 16, 1961	54.87	Oct. 30, 1962	55.29	Mar. 17, 1964	55.28	Mar. 16, 1965	55.81
Oct. 25	55.20	Mar. 12, 1963	55.13	Nov. 13	55.70	Nov. 16	55.93
Mar. 14, 1962	56.08	Oct. 29	55.42				

Lucerne Valley Area

342602N1165019.1. Local number 4N/1E-13M1 S. E. A. Taylor. Formerly Wilson. About 6½ mi eas* of Lucerne Valley. Drilled domestic water-table well in alluvium of Pleistocene age, diam 12 in, depth 270 ft, cased with steel. Lsd 3,020 ft above msl. Highest water level 170.9 below lsd, Mar. 3, 1960; lowest 173.16 below lsd, Nov. 16, 1965. Records available: 1953-65.

Mar. 16, 1961	172.27	Oct. 30, 1962	172.56	Mar. 17, 1964	172.14	Mar. 16, 1965	172.91
Oct. 25	b172.51	Mar. 12, 1963	171.78	Nov. 13	173.05	Nov. 15	173.16
Mar. 14, 1962	172.41	Oct. 29	172.01				

b Well pumped recently.

343247N1165550.1. Local number 5N/1W-1R3 S. Hards. About 7 mi north of Lucerne Valley. Drilled domestic water-table well in alluvium of Pleistocene age, diam 12 in, depth 165 ft, cased with steel. Lsd 2,890 ft above msl. Highest water level 75.9 below lsd, Nov. 8, 1954; lowest 103.91 below lsd, Nov. 12, 1964. Records available: 1954-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 16, 1961	91.55	Oct. 30, 1962	98.11	Mar. 17, 1964	100.23	Mar. 16, 1965	102.51
Oct. 25	94.71	Mar. 11, 1963	98.98	Nov. 12	103.91	Nov. 16	102.21
Mar. 14, 1962	94.66	Oct. 29	101.01				

342825N1165659.1. Local number 5N/1W-35Q1 S. Formerly 5/1W-35Q1. Owner unknown. About 2 mi north of Lucerne Valley. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in, depth 300 ft, cased with steel. Lsd 2,855 ft above msl. Highest water level 34.99 below lsd, Mar. 14, 1955; lowest 50.93 below lsd, Oct. 30, 1962. Records available: 1954-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 16, 1961	47.14	Oct. 30, 1962	50.93	Mar. 17, 1964	46.62	Mar. 16, 1965	47.51
Oct. 25	50.88	Mar. 12, 1963	50.02	Nov. 13	47.25	Nov. 16	47.88
Mar. 14, 1962	46.90	Oct. 29	45.49				

Harper Valley Area

350358N1171423.1. Local number 11N/3W-7D1 S. Formerly 11/3-7D1. Owner unknown. About 9 mi north of Hinkley. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in, depth 123 ft, cased with steel. Lsd 2,082 ft above msl. Highest water level 55.55 below lsd, June 16, 1954; lowest 63.11 below lsd, Oct. 18, 1965. Records available: 1953-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 8, 1961	60.52	Nov. 2, 1962	61.43	Mar. 8, 1964	62.12	Mar. 10, 1965	62.76
Oct. 27	60.84	Mar. 13, 1963	61.59	Oct. 14	62.50	Oct. 18	63.11
Mar. 15, 1962	61.06	Oct. 30	61.93				

350040N1171857.1. Local number 11N/4W-29R1 S. Formerly 11/4-29R1. Lockhart Ranch. About 8½ mi northwest of Hinkley. Drilled unused water-table well in alluvium of Pleistocene age, diam unknown, depth 500 ft, cased with steel. Lsd 2,085 ft above msl. Highest water level 83.46 below lsd, Nov. 17, 1960; lowest 111.35 below lsd, Oct. 19, 1965. Records available: 1953-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 9, 1961	87.59	Nov. 2, 1962	94.67	Mar. 8, 1964	91.02	Mar. 10, 1965	96.47
Oct. 27	89.83	Mar. 13, 1963	91.51	Oct. 14	101.88	Oct. 19	111.35
Mar. 15, 1962	91.64	Oct. 30	95.71				

Superior Valley Area

351555N1170142.1. Local number 31S/46E-2M1 M. Formerly 31/46-2M1. Owner unknown (previously reported U. S. Government). Northeast corner of Superior Dry Lake. Drilled unused water-table well in alluvium of Pleistocene(?) age, diam 8 in, depth 117 ft, cased with steel. Lsd 3,020 ft above msl. Highest water level 99.01 below lsd, Mar. 1, 1960; lowest 105.53 below lsd, Mar. 12, 1962. Records available: 1920, 1954-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6, 1961	100.16	Nov. 1, 1962	104.38	Mar. 6, 1964	101.99	Mar. 8, 1965	99.86
Oct. 24	100.15	Mar. 11, 1963	104.11	Oct. 12	101.32	Oct. 19	99.79
Mar. 12, 1962	105.53	Oct. 28	103.45				

Cuddeback Valley Area

351900N1173014.1. Local number 30S/42E-20D1 M. Formerly 30/42-20D1. Owner unknown. About 8½ mi southeast of Johannesburg. Drilled unused water-table well in alluvium of Pleistocene age, diam 6 in, depth unknown, cased with steel. Lsd 2,630 ft above msl. Highest water level 90.16 below lsd, Oct. 19, 1965; lowest 93.20 below lsd, Oct. 30, 1956. Records available: 1953, 1955-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6, 1961	91.02	Oct. 31, 1962	90.83	Mar. 6, 1964	90.42	Mar. 8, 1965	90.28
Oct. 24	91.68	Mar. 11, 1963	90.72	Oct. 12	90.36	Oct. 19	90.16
Mar. 12, 1962	91.05	Oct. 28	90.54				

Coyote Lake Valley Area

350547N1164813.1. Local number 12N/2E-31A1 S. Formerly 12/2-31A1. U. S. Dept. of the Army. Fort Irwin. West of Coyote Lake. Drilled test water-table well in alluvium of Pleistocene age, diam 14 in, depth 584 ft, perforated 150-552. Lsd 1,789.5 ft above msl. Highest water level 55.82 below lsd, Mar. 6, 1957; lowest 56.57 below lsd, Jan. 7, 1955. Records available: 1955-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7, 1961	55.96	Nov. 1, 1962	55.97	Mar. 7, 1964	55.95	Mar. 9, 1965	56.09
Oct. 26	55.94	Mar. 12, 1963	55.95	Oct. 13	56.10	Oct. 20	56.19
Mar. 13, 1962	55.94	Oct. 29	55.95				

Soda Lake Valley Area

351148N1160221.1. Local number 13N/9E-20J1 S. Fred Twisselman. About 5 mi southeast of Baker. Drilled unused water-table well in alluvium of Pleistocene age, diam 16 in, depth 400 ft, cased with steel. Lsd 980 ft above msl. Highest water level 65.35 below lsd, Dec. 2, 1959; lowest 66.57 below lsd, Mar. 14, 1962. Records available: 1954-56, 1958-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 8, 1961	65.53	Nov. 1, 1962	65.60	Mar. 7, 1964	65.48	Mar. 8, 1965	65.46
Oct. 26	65.65	Mar. 12, 1963	65.53	Oct. 13	65.57	Oct. 20	65.56
Mar. 14, 1962	66.57	Oct. 29	65.50				

Silver Lake Valley Area

352209N1160652.1. Local number 15N/8E-22R1 S. Death Valley Panamint Mining Co. About 7½ mi north of Baker. Drilled domestic and industrial water-table well in alluvium of Pleistocene age, diam 12 in, depth 120 ft, cased with steel. Lsd 930 ft above msl. Highest water level 55.84 below lsd, Mar. 12, 1958; lowest 56.14 below lsd, Nov. 1, 1962. Records available: 1954-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 8, 1961	56.01	Nov. 1, 1962	56.14	Mar. 7, 1964	56.01	Mar. 9, 1965	(m)
Oct. 26	56.10	Mar. 12, 1963	55.94	Oct. 13	56.13	Oct. 20	(m)
Mar. 14, 1962	55.99	Oct. 29	56.08				

m Obstruction in well above water surface.

Cronise Valley Area

350730N1161616.1. Local number 12N/7E-18R1 S. Owner unknown. South edge of East Cronise Lake. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in, depth 135 ft, cased with steel. Lsd 1,075 ft above msl. Highest water level 15.36 below lsd, Feb. 19, 1954; lowest 20.64 below lsd, Oct. 20, 1965. Records available: 1954-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7, 1961	18.81	Nov. 1, 1962	19.56	Mar. 7, 1964	19.98	Mar. 9, 1965	20.45
Oct. 26	18.89	Mar. 12, 1963	19.61	Oct. 12	20.30	Oct. 27	20.64
Mar. 14, 1962	19.09						

Vidal Valley Area

340715N1143027.1. Local number 1S/23E-1A2 S. Atchison, Topeka, & Santa Fe Ry. (well 1). Vidal. Drilled unused water-table well in alluvium, diam 10 in, depth 349 ft. Lsd 627 ft above msl. Highest water level 240.77 below lsd, Dec. 13, 1961; lowest 249.03 below lsd, Oct. 30, 1963. Records available: 1961-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 13, 1961	240.77	Oct. 31, 1962	241.65	Mar. 18, 1964	246.51	Mar. 17, 1965	247.1
Mar. 28, 1962	241.20	Oct. 30, 1963	249.03	Nov. 24	248.3	Nov. 17	248.6

341140N1143536.1. Local number 1N/23E-8D1 S. Metropolitan Water District of Southern California. About 1½ mi west of Vidal Junction. Drilled unused well in alluvium, diam 16 in, depth 504 ft. Lsd 960 ft above msl. Highest water level 267.32 below lsd, Mar. 28, 1962; lowest 268.1 below lsd, Nov. 17, 1965. Records available: 1962-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 16, 1962	268.00	Mar. 13, 1963	267.39	Mar. 17, 1964	267.70	Mar. 17, 1965	267.9
28	267.32	Oct. 30	267.59	Nov. 24	267.8	Nov. 17	268.1
Oct. 31	267.43						

San Diego County

San Diego River Basin

325208N1165336.1. Local number 15S/1E-17H6 S. Formerly 15/1E-17H6. La Mesa, Lemon Grove, and Spring Valley Irrigation District. Near Lakeside. Drilled unused water-table well in alluvium of Holocene age, diam 14 in, depth 61 ft, perforated 39-61. Lsd 434.4 ft above msl. Highest water level 0.2 below lsd, May 18, 1930; lowest dry, Nov. 19, 1959. Records available: 1929-32, 1934-59, 1961-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14, 1961	50.20	May 17, 1962	56.46	Aug. 15, 1963	53.35	Nov. 17, 1964	53.33
May 17	57.05	Aug. 16	56.77	Nov. 19	53.33	Feb. 17, 1965	54.23
Aug. 16	56.21	Nov. 16	56.62	Feb. 13, 1964	58.28	May 19	54.08
Nov. 13	55.59	Feb. 21, 1963	53.62	May 11	51.82	Aug. 12	53.58
Feb. 14, 1962	56.50	May 13	53.51	Aug. 17	54.92	Nov. 10	53.80

324624N1170742.1. Local number 16S/2W-19D1 S. Formerly 16/2W-19D1. Woodward Sand Co. Mission Valley. Drilled unused water-table well in alluvium of Holocene age, diam 6 in, depth 57 ft, cased with steel. Lsd 47.2 ft above msl. Highest water level 14.80 below lsd, May 28, 1955; lowest 24.50 below lsd, Aug. 29, 1956. Records available: 1953-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14, 1961	19.00	Aug. 16, 1962	21.20	Nov. 19, 1963	20.44	Feb. 17, 1965	17.52
May 17	18.57	Nov. 16	20.52	Feb. 13, 1964	18.69	May 19	16.50
Aug. 16	21.69	Feb. 21, 1963	18.40	May 11	19.32	July 31	g17.00
Nov. 13	21.98	May 16	18.91	Aug. 17	21.13	Aug. 12	16.98
Feb. 14, 1962	17.45	Aug. 15	20.07	Nov. 17	21.32	Nov. 10	17.89
May 17	18.07						

g Measurement by outside agency or person.

San Dieguito River Basin

330522N1170057.1. Local number 12S/1W-31H2 S. Formerly 12/1W-31H2. City of San Diego. San Pasqual Valley. Drilled domestic water-table well in alluvium, diam 12 in, depth 85 ft, cased with steel. Lsd 357.4 ft above msl. Highest water level 3.59 below lsd, Feb. 22, 1933; lowest 49.32 below lsd, Nov. 10, 1965. Records available: 1929-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 22, 1961	17.50	Aug. 16, 1962	21.36	Nov. 19, 1963	28.94	Feb. 17, 1965	(a)
Aug. 14	18.58	Nov. 19	22.05	Feb. 13, 1964	(a)	May 19	40.79
Nov. 13	19.95	Feb. 21, 1963	22.05	May 11	39.05	Aug. 12	45.64
Feb. 14, 1962	19.56	May 13	22.75	Aug. 17	38.06	Nov. 10	49.32
May 17	19.48	Aug. 15	29.29	Nov. 17	38.15		

a Well being pumped.

330412N1170151.1. Local number 13S/1W-6M1 S. Formerly 13/2W-1J1. Owner unknown. Lake Hoiges, near gaging station. Drilled unused water-table well in alluvium of Holocene age, diam 14 in, depth 86 ft, cased with steel. Lsd 335 ft above msl. Highest water level 2.27 below lsd, May 14, 1954; lowest 59.99 below lsd, Nov. 19, 1963. Records available: 1953-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1961	33.40	Nov. 19, 1962	59.40	Feb. 13, 1964	49.00	Feb. 17, 1965	53.12
Nov. 13	(a)	Feb. 23, 1963	46.42	May 11	53.60	May 19	54.51
Feb. 14, 1962	40.93	May 13	51.98	Aug. 17	57.94	Aug. 12	46.22
May 17	(a)	Aug. 15	57.60	Nov. 17	55.96	Nov. 10	55.40
Aug. 16	(a)	Nov. 19	59.99				

a Well being pumped.

325928N1171105.1. Local number 13S/3W-33M1 S. Formerly 13/3W-33M1. Griset Bros. Near Rancho Santa Fe. Drilled unused water-table well in alluvium of Holocene age, diam 12 in, depth 90 ft, cased with steel. Lsd 35 ft above msl. Highest water level 28.22 below lsd, Jan. 8, 1954; lowest dry, May 11, 1964, Aug. 17, Nov. 17, 1964. Records available: 1954-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1961	55.30	May 17, 1962	57.90	Aug. 15, 1963	59.72	Nov. 17, 1964	(f)
May 22	55.82	Aug. 16	58.93	Nov. 19	60.33	Feb. 17, 1965	80.20
Aug. 18	56.43	Nov. 19	58.90	Feb. 13, 1964	60.38	May 19	80.25
Nov. 13	56.70	Feb. 21, 1963	59.00	May 11	(f)	Aug. 12	80.38
Feb. 14, 1962	57.66	May 16	59.38	Aug. 17	(f)	Nov. 12	80.42

f Dry.

San Luis Rey River Basin

331854N1170023.1. Local number 105/1W-8P1 S. Formerly 10/1W-8P1. H. N. Berger. Pauma Valley. Drilled unused water-table well in alluvium of Holocene age, diam 14 in, depth 198 ft, cased with steel. Lsd 725 ft above msl. Highest water level 10.28 below lsd, May 14, 1954; lowest 72.40 below lsd, Nov. 17, 1964. Records available: 1954-58, 1960-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 17, 1961	41.50	Nov. 18, 1963	56.33	Dec. 23, 1964	c50.14	June 7, 1965	c49.69
Feb. 13, 1962	43.00	Feb. 14, 1964	52.05	Jan. 25, 1965	49.72	July 6	c50.52
May 17	44.80	May 11	52.16	Feb. 18	50.09	Aug. 10	c50.54
Aug. 13	46.00	July 30	c49.30	Mar. 1	c50.17	Sept. 13	c50.85
Nov. 14	(a)	Aug. 17	(a)	May 30	49.47	Oct. 11	c51.08
Feb. 23, 1963	52.80	Oct. 15	c50.44	May 4	48.69	Nov. 8	c51.38
May 15	(a)	Nov. 17	72.40	19	49.48	Dec. 13	48.5
Aug. 15	(a)						

a Well being pumped.

c Nearby well being pumped.

332018N1170807.1. Local number 105/2W-6F2 S. Formerly 10/2W-6F2. San Luis Rey Ranch. Monserate Narrows, near gaging station. Drilled unused water-table well in alluvium of Holocene age, diam 12 in, depth 109 ft, cased with steel. Lsd 252.36 ft above msl. Highest water level 5.18 below lsd, Mar. 15, 1943; lowest dry, Aug. 13, 1962, Aug. 17, 1964. Records available: 1937-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1961	30.00	May 15, 1963	37.24	Dec. 23, 1964	44.52	July 6, 1965	a57.9
Nov. 14	42.25	Aug. 15	(a)	Jan. 25, 1965	45.33	Aug. 10	(a)
Feb. 15, 1962	38.67	Nov. 18	45.12	Feb. 18	49.80	Sept. 13	(a)
May 17	34.55	Feb. 14, 1964	43.42	Mar. 1	42.53	Oct. 11	(a)
Aug. 13	(f)	May 11	40.18	May 30	40.90	Nov. 8	(a)
Nov. 14	37.60	Aug. 17	(f)	May 4	39.89	Dec. 13	43.4
Feb. 25, 1963	28.10	Nov. 17	43.28	June 7	a51.1		

a Well being pumped.

f Dry.

331634N1171349.1. Local number 105/3W-30K1 S. Formerly 10/3W-30K1. Fallbrook Public Utility District. Near Bonsall. Drilled unused water-table well in alluvium of Holocene age, diam 8 in, depth 79 ft, cased with steel. Lsd 149.76 ft above msl. Highest water level 6.09 below lsd, Mar. 17, 1941; lowest 22.10 below lsd, Nov. 19, 1956. Records available: 1939-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1961	13.30	Nov. 14, 1962	13.75	Aug. 17, 1964	13.60	July 6, 1965	14.30
May 17	13.67	Feb. 25, 1963	13.20	Nov. 18	14.58	Aug. 10	14.58
Aug. 14	14.32	May 15	13.11	Feb. 18, 1965	14.69	Sept. 13	14.83
Nov. 14	14.60	Aug. 15	13.89	Mar. 30	14.69	Oct. 11	15.11
Feb. 15, 1962	13.93	Nov. 18	14.34	May 4	14.05	Nov. 8	15.33
May 17	13.03	Feb. 14, 1964	12.33	June 7	14.17	Dec. 13	11.09
Aug. 13	13.57	May 11	12.41				

331412N1171833.1. Local number 115/4W-9P1 S. Formerly 11/4W-9P1. City of Oceanside. Near San Luis Rey. Drilled observation well in alluvium of Holocene age, diam 4 in, depth 199 ft. Lsd 63 ft above msl. Highest water level 3.47 below lsd, Mar. 14, 1943; lowest 74.27 below lsd, Jan. 4, 1963. Records available: 1940-65. Records furnished by City of Oceanside.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1961	167.10	May 7, 1962	167.35	Aug. 5, 1963	168.10	Nov. 2, 1964	166.35
Mar. 6	166.77	June 4	165.60	Sept. 2	169.93	Dec. 7	165.35
Apr. 3	166.77	July 3	171.10	Oct. 7	173.60	Jan. 6, 1965	162.93
May 1	168.85	Aug. 6	170.93	Nov. 4	174.27	Feb. 1	163.93
June 5	170.85	Sept. 4	171.10	Dec. 2	168.93	Mar. 1	163.18
July 3	174.18	Oct. 1	173.93	Jan. 6, 1964	168.27	Apr. 5	164.02
Aug. 7	172.93	Nov. 5	170.68	Feb. 3	167.35	May 3	162.52
Sept. 4	169.85	Dec. 3	170.93	Mar. 2	165.68	June 7	162.02
Oct. 2	169.10	Jan. 7, 1963	172.27	Apr. 8	165.18	July 6	162.85
Nov. 6	172.10	Feb. 4	171.93	May 4	164.68	Aug. 2	163.02
Dec. 4	166.93	Mar. 4	166.85	June 1	166.93	Sept. 7	163.43
Jan. 2, 1962	168.93	Apr. 1	166.77	July 6	164.10	Oct. 4	163.18
Feb. 5	167.35	May 6	166.60	Aug. 3	165.85	Nov. 1	162.60
Mar. 5	166.10	June 3	167.02	Sept. 11	168.02	Dec. 6	161.60
Apr. 2	167.69	July 1	166.93	Oct. 5	166.27		

j Water level below sea level.

331252N1172146.1. Local number 115/5W-13N1 S. Formerly 11/5W-13N1. City of Oceanside. Near airport. Drilled unused artesian well in alluvium of Holocene age, diam 14 in, depth 160 ft. Lsd 16.26 ft above msl. Highest water level 1.61 below lsd, Mar. 15, 1943; lowest 30.50 below lsd, Jan. 6, 1958. Records available: 1939-65. Records furnished by City of Oceanside.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1961	120.17	Apr. 2, 1962	118.00	July 1, 1963	119.17	Oct. 5, 1964	113.92
Feb. 6	117.83	May 7	119.25	Aug. 5	118.50	Nov. 2	113.67
Mar. 6	119.75	June 4	118.92	Sept. 3	118.58	Dec. 7	112.65
Apr. 3	119.42	July 3	118.58	Oct. 7	118.33	Jan. 6, 1965	113.17
May 1	120.83	Aug. 6	123.00	Nov. 4	117.00	Feb. 1	112.67
June 5	120.17	Sept. 4	123.00	Dec. 2	116.50	Mar. 1	112.75
July 3	122.00	Oct. 1	123.00	Jan. 6, 1964	116.21	Apr. 5	113.42
Aug. 7	123.42	Nov. 5	123.03	Feb. 3	115.58	May 3	110.67
Sept. 4	123.17	Dec. 3	120.67	Mar. 2	115.25	June 7	111.00
Oct. 2	124.08	Jan. 7, 1963	121.67	Apr. 8	115.75	July 6	110.58
Nov. 6	123.75	Feb. 4	123.33	May 4	114.17	Aug. 2	9.50
Dec. 4	123.58	Mar. 4	119.75	June 1	114.25	Sept. 7	8.92
Jan. 2, 1962	122.67	Apr. 1	118.67	July 6	113.92	Oct. 4	9.42
Feb. 5	121.25	May 6	119.25	Aug. 3	116.83	Nov. 1	9.58
Mar. 5	119.00	June 3	118.83	Sept. 11	114.00	Dec. 6	6.42

j Water level below sea level.

Otay River Basin

323540N1170430.1. Local number 18S/2W-22F1 S. Formerly 18/2W-22F1. Western Aire Motel. Near Otay. Drilled domestic water-table well in alluvium of Holocene age, diam 10 in, depth 150 ft, cased with steel. Lsd 40 ft above msl. Highest water level 18.40 below lsd, Apr. 10, 1922; lowest 48.30 below lsd, Dec. 6, 1955. Records available: 1916-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1961	37.60	May 17, 1962	37.60	Aug. 15, 1963	35.58	Nov. 17, 1964	32.79
May 17	37.15	Aug. 16	35.10	Nov. 19	34.00	Feb. 17, 1965	33.77
Aug. 16	39.65	Nov. 16	35.28	Feb. 13, 1964	34.73	May 19	35.34
Nov. 13	37.78	Feb. 21, 1963	34.83	May 11	33.27	Aug. 12	31.83
Feb. 14, 1962	35.85	May 16	36.00	Aug. 17	33.19	Nov. 10	32.68

Sweetwater River Basin

323529N1170337.1. Local number 17S/2W-35E1 S. Formerly 17/2W-35E1. Owner unknown. Near Chula Vista. Drilled domestic water-table well in alluvium of Holocene age, diam 12 in, depth 58 ft, cased with steel. Lsd 35 ft above msl. Highest water level 8.62 below lsd, Nov. 10, 1954; lowest 15.29 below lsd, Nov. 19, 1959. Records available: 1953-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1961	10.20	May 17, 1962	10.32	Aug. 15, 1963	10.62	Nov. 17, 1964	14.43
May 17	10.87	Aug. 16	11.76	Nov. 19	11.26	Feb. 17, 1965	14.17
Aug. 16	13.28	Nov. 16	10.30	Feb. 13, 1964	10.45	May 19	11.95
Nov. 13	12.78	Feb. 21, 1963	9.90	May 11	11.17	Aug. 12	14.21
Feb. 14, 1962	11.73	May 16	10.40	Aug. 17	13.62	Nov. 10	15.20

Tia Juana River Basin

323238N1170246.1. Local number 19S/2W-1N1 S. Formerly 19/2W-1N1. State of California. Near San Ysidro. Drilled observation water-table well in alluvium of Holocene age, diam 8 in, depth 68 ft, cased with steel. Lsd 50 ft above msl. Highest water level 8.32 below lsd, May 18, 1954; lowest dry 1962, Feb. 21, 1963. Records available: 1953-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14, 1961	42.20	May 17, 1962	(f)	Aug. 15, 1963	50.58	Nov. 17, 1964	53.77
May 17	48.05	Aug. 16	(f)	Nov. 19	48.90	Feb. 17, 1965	47.72
Aug. 16	54.83	Nov. 16	(f)	Feb. 13, 1964	50.20	May 19	52.75
Nov. 13	59.58	Feb. 21, 1963	(f)	May 11	50.52	Aug. 12	53.61
Feb. 14, 1962	(f)	May 16	53.48	Aug. 17	57.79	Nov. 10	53.45

f Dry.

323314N1170506.1. Local number 19S/2W-4A6 S. Formerly 19/2W-4A6. California Water & Telephone Co. Near Nestor. Drilled unused artesian well in alluvium of Holocene age, diam 12 in, depth 90 ft, cased with steel. Lsd 25 ft above msl. Highest water level 19.87 below lsd, May 18, 1954; lowest 38.22 below lsd, Aug. 27, 1959. Records available: 1953-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14, 1961	33.60	May 17, 1962	32.58	Nov. 19, 1963	32.59	Feb. 17, 1965	33.59
May 17	33.22	Nov. 16	32.75	Feb. 13, 1964	33.92	May 19	32.20
Aug. 16	34.33	Feb. 21, 1963	33.62	May 11	33.70	Aug. 12	c33.71
Nov. 13	34.18	May 16	33.84	Aug. 17	34.27	Nov. 10	32.74
Feb. 14, 1962	31.54	Aug. 15	33.29	Nov. 17	32.67		

c Nearby well being pumped.

Borrego Valley Area

331800N1162100.1. Local number 10S/6E-21A1 S. DiGiorgio Fruit Corp. About 3½ mi northeast of Borrego Springs. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in, depth 322 ft, cased with steel. Lsd 640 ft above msl. Highest water level 130.55 below lsd, Jan. 3, 1953; lowest 181.9 below lsd, Aug. 5, 1964. Records available: 1952-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16, 1961	164.20	Nov. 2, 1962	169.52	Dec. 5, 1963	169.15	Jan. 6, 1965	169.78
Feb. 14	168.40	Jan. 10, 1963	171.60	Jan. 6, 1964	171.21	Feb. 1	171.29
Mar. 8	167.80	Feb. 12	174.24	Feb. 5	173.65	Mar. 3	169.05
13	164.00	Mar. 11	167.70	Mar. 9	169.35	Apr. 5	168.82
May 5	174.90	15	166.87	20	167.02	May 5	177.16
29	174.90	May 7	176.38	Apr. 3	176.70	24	174.61
June 28	177.80	June 18	178.60	May 8	179.0	June 23	175.34
Aug. 20	a188.90	July 9	179.80	June 3	181.5	Aug. 3	177.30
Oct. 8	170.20	16	179.30	July 7	179.4	Sept. 7	174.55
26	168.85	Aug. 8	179.62	Aug. 5	181.9	Oct. 4	171.49
Nov. 30	170.30	Sept. 4	179.18	Sept. 11	178.3	23	170.94
Dec. 28	169.90	Oct. 8	172.80	30	175.25	Nov. 5	170.37
Jan. 30, 1962	174.20	31	168.84	Nov. 2	171.86	Dec. 19	169.79
Mar. 15	166.69	Nov. 12	170.60	Dec. 1	169.91		

a Well being pumped.

331432N1161946.2. Local number 11S/6E-11D2 S. Kosky and Hagenbuch (previously reported Hagenbuch). About 3 mi southeast of Borrego Springs. Drilled domestic water-table well in alluvium of Pleistocene age, diam 14 in, depth 218 ft, cased with steel. Lsd 500 ft above msl. Highest water level 17.53 below lsd, Nov. 16, 1953; lowest 59.97 below lsd, Sept. 7, 1965. Records available: 1953-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 8, 1961	32.05	Aug. 8, 1963	36.36	May 8, 1964	44.55	Apr. 5, 1965	a60.06
Oct. 26	33.62	Sept. 4	36.08	June 3	(a)	May 5	(a)
Mar. 15, 1962	36.51	Oct. 8	52.38	July 7	40.43	24	c58.92
Nov. 2	33.40	31	32.08	Aug. 5	(a)	June 29	c56.68
Feb. 12, 1963	30.05	Nov. 12	52.96	Sept. 11	49.97	July 30	c60.01
Mar. 11	32.00	Dec. 12	31.02	30	58.35	Aug. 3	c54.50
15	31.18	Jan. 6, 1964	30.50	Nov. 2	33.30	Sept. 7	59.97
Apr. 10	34.08	Feb. 5	54.90	Dec. 1	31.80	Oct. 4	37.05
May 7	53.70	Mar. 9	34.20	Jan. 6, 1965	32.47	25	49.50
June 18	55.92	20	31.40	Feb. 1	31.23	Nov. 5	34.01
July 9	58.30	Apr. 3	54.75	Mar. 3	34.27	Dec. 10	33.03

a Well being pumped.

c Nearby well being pumped.

Ocotillo Valley Area

330639N1160747.1. Local number 12S/8E-22E1 S. A. F. Demes. Lower Borrego Valley. About 2½ mi south of Ocotillo wells. Drilled domestic and irrigation water-table well in alluvium of Pleistocene age, diam 16 in, depth 226 ft, cased with steel. Lsd 110 ft above msl. Highest water level 101.83 below lsd, Nov. 10, 1954; lowest 113.92 below lsd. Records available: 1953-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 9, 1961	109.39	Nov. 1, 1962	112.49	Mar. 20, 1964	113.92	Mar. 19, 1965	110.95
Oct. 26	110.13	Mar. 14, 1963	113.28	Nov. 13	109.92	Oct. 25	109.25
Mar. 15, 1962	110.52	Oct. 31	113.84				

c Nearby well being pumped.

San Felipe Valley Area

330650N1163108.1. Local number 12S/4E-24K1 S. Orville Cummings. San Felipe Ranch. San Felipe Valley. About 5½ mi northeast of Julian. Drilled stock water-table well in alluvium of Pleistocene age, diam 12 in, depth 97 ft, cased with steel. Lsd 2,440 ft above msl. Highest water level 18.43 below lsd, Nov. 24, 1953; lowest 36.29 below lsd, Oct. 25, 1965. Records available: 1953, 1956-65.

Mar. 8, 1961	30.35	Nov. 2, 1962	32.70	Mar. 20, 1964	32.22	Sept. 5, 1965	20.65
Oct. 27	32.34	Mar. 15, 1963	32.59	Nov. 12	336.63	Oct. 25	36.29
Mar. 16, 1962	31.40	Oct. 31	32.36	Mar. 19, 1965	32.27		

a Well being pumped.

San Joaquin County

Mokelumne River Basin

380608N1211815.1. Local number 3N/6E-3K11 M. Formerly 3N/6-3K11. F. B. Mills Estate. About 1.8 mi west of Lodi. Drilled irrigation water-table well in Victor Formation of Pleistocene age, diam 12 in, depth 120 ft. Lsd 41.03 ft above msl. Highest water level 10.95 below lsd, May 1, 1958; lowest 32.41 below lsd, July 1, 1965. Records available: 1947-65. Records furnished by East Bay Municipal Utility District.

Jan. 3, 1961	22.32	Apr. 2, 1962	25.00	July 1, 1963	(a)	Oct. 1, 1964	30.02
Feb. 1	22.68	May 1	26.22	Aug. 2	30.29	Nov. 2	28.90
Mar. 1	23.18	June 1	(a)	Sept. 3	29.08	Dec. 1	27.53
Apr. 3	22.97	July 2	(a)	Oct. 1	27.52	Jan. 4, 1965	27.98
May 1	23.55	Aug. 1	29.20	Nov. 1	27.28	Feb. 1	27.22
June 1	(a)	Sept. 4	27.54	Dec. 2	25.01	Mar. 1	26.98
July 3	(a)	Oct. 1	26.94	Jan. 9, 1964	24.98	Apr. 1	27.59
Aug. 1	(a)	Nov. 1	26.03	Feb. 3	25.59	May 5	(a)
Sept. 1	27.66	Dec. 3	26.00	Mar. 2	26.39	June 1	27.10
Oct. 2	26.13	Jan. 2, 1963	25.75	Apr. 1	26.30	July 1	32.41
Nov. 1	25.85	Feb. 1	25.71	May 1	28.75	Aug. 4	(a)
Dec. 1	24.92	Mar. 1	26.10	June 1	29.03	Sept. 1	30.40
Jan. 2, 1962	25.11	Apr. 1	25.27	July 1	(a)	Oct. 1	29.67
Feb. 1	25.51	May 1	24.49	Aug. 3	30.72	Nov. 1	29.26
Mar. 1	24.99	June 3	25.09	Sept. 1	30.54	Dec. 1	27.47

a Well being pumped.

380656N1212049.1. Local number 3N/6E-17D11 M. Formerly 3N/6-17D11. Arthur Ripken. Formerly A. Dehn. About 4.5 mi southwest of Lodi. Drilled irrigation water-table well in Victor Formation of Pleistocene age, diam 12 in, depth 93 ft. Lsd 35.68 ft above msl. Highest water level 7.46 below lsd, May 1, 1952; lowest 42.85 below lsd, Oct. 1, 1965. Records available: 1949-65. Records furnished by East Bay Municipal Utility District.

Jan. 3, 1961	21.76	Apr. 2, 1962	21.63	July 1, 1963	(a)	Oct. 1, 1964	30.70
Feb. 1	21.38	May 1	(a)	Aug. 2	(a)	Nov. 2	29.85
Mar. 1	20.68	June 1	24.45	Sept. 3	(a)	Dec. 1	28.00
Apr. 3	20.10	July 2	(a)	Oct. 1	28.20	Jan. 4, 1965	j37.95
May 1	(a)	Aug. 1	(a)	Nov. 1	26.36	Feb. 1	j36.58
June 1	23.78	Sept. 4	(a)	Dec. 2	25.48	Mar. 1	35.30
July 3	(a)	Oct. 1	28.60	Jan. 9, 1964	23.52	Apr. 1	(a)
Aug. 1	29.60	Nov. 1	26.70	Feb. 3	22.75	May 5	34.22
Sept. 1	30.64	Dec. 3	25.03	Mar. 2	23.75	June 1	(a)
Oct. 19	27.53	Jan. 2, 1963	24.30	Apr. 1	23.01	July 1	(a)
Nov. 1	27.57	Feb. 1	23.59	May 1	(a)	Aug. 4	(a)
Dec. 1	26.01	Mar. 1	22.75	June 1	26.01	Sept. 1	(a)
Jan. 2, 1962	25.01	Apr. 1	21.87	July 1	29.97	Oct. 1	j42.84
Feb. 1	24.22	May 1	21.20	Aug. 3	(a)	Nov. 1	j40.35
Mar. 1	22.94	June 3	(a)	Sept. 1	33.83	Dec. 1	j41.10

a Well being pumped.

j Water level below sea level.

380423N1211535.1. Local number 3N/6E-25R11 M. Formerly 3N/6-25R11. E. E. Morse Estate. About 4.4 mi south of Lodi. Drilled domestic water-table well in Victor Formation of Pleistocene age, diam 10 in, depth 93 ft. Lsd 40.55 ft above msl. Highest water level 26.15 below lsd, Jan. 5, 1953; lowest 51.02 below lsd, Oct. 4, 1962. Records available: 1948-64. Measurement discontinued Oct. 1, 1964. Records furnished by East Bay Municipal Utility District. Jan. 4, 1961, 41.03 (water level below sea level); Oct. 5, 49.62 (water level below sea level); Jan. 4, 1962, 47.15 (water level below sea level); Oct. 4, 51.02 (water level below sea level); Jan. 4, 1963, 47.19 (water level below sea level); Oct. 7, 49.85 (water level below sea level); Jan. 13, 1964, 45.43 (water level below sea level).

380328N1211536.1. Local number 3N/6E-36R2 M. Formerly 3N/6-36R2. Leland W. Bunch. About 5.5 mi south of Lodi. Drilled domestic water-table well in Victor Formation of Pleistocene age, diam 8 in, depth 85 ft. Lsd 37.97 ft above msl. Highest water level 11.72 below lsd, Apr. 8, 1938; lowest 56.80 below lsd, July 1, 1965. Records available: 1926-29, 1935-65. Records furnished by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1961	140.26	July 2, 1962	146.20	Sept. 3, 1963	143.48	Nov. 2, 1964	164.63
Feb. 1	139.88	Aug. 1	147.08	Oct. 7	141.83	Dec. 1	162.93
Mar. 1	139.48	Sept. 4	147.00	Nov. 1	140.71	Jan. 6, 1965	161.73
Apr. 3	138.99	Oct. 4	146.00	Dec. 2	140.40	Feb. 1	160.75
May 1	140.21	Nov. 1	144.39	Jan. 13, 1964	140.50	Mar. 1	160.01
June 2	144.27	Dec. 3	143.76	Feb. 3	140.78	Apr. 1	149.47
July 3	145.64	Jan. 4, 1963	143.70	Mar. 2	141.11	May 5	149.70
Aug. 1	148.04	Feb. 1	143.70	Apr. 1	141.21	June 1	160.08
Sept. 1	147.39	Mar. 1	143.43	May 1	143.68	July 1	166.80
Oct. 3	146.73	Apr. 1	143.14	June 1	147.34	Aug. 4	163.60
Nov. 2	148.50	May 1	142.43	July 1	149.71	Sept. 1	163.68
Jan. 4, 1962	148.10	June 3	143.10	Aug. 3	153.14	Oct. 5	162.57
Apr. 2	146.51	July 1	142.85	Sept. 1	155.37	Nov. 1	161.07
May 1	146.96	Aug. 2	143.60	Oct. 2	155.86	Dec. 1	149.43
June 1	146.55						

e Estimated.

j Water level below sea level.

350844N121146.1. Local number 3N/7E-3C1 M. Formerly 3N/7-3C1. Jacob Knoll. About 4 mi east of Lodi. Drilled observation water-table well in Victor Formation of Pleistocene age, diam 8 in, depth 48 ft, cased to 48, perforated 38-48. Lsd 80.45 ft above msl. Highest water level 25.31 below lsd, June 2, 1943; lowest dry - several times 1961-65. Records available: 1935-65. Records furnished by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1961	45.15	Apr. 2, 1962	(f)	July 1, 1963	(f)	Oct. 7, 1964	46.40
Feb. 1	45.25	May 1	45.34	Aug. 2	43.68	Nov. 2	(f)
Mar. 1	45.67	June 1	45.08	Sept. 3	45.21	Dec. 1	(f)
Apr. 3	45.90	July 2	44.59	Oct. 7	46.40	Jan. 18, 1965	46.40
May 1	45.60	Aug. 1	(f)	Nov. 1	(f)	Feb. 1	(f)
June 2	45.13	Sept. 4	45.44	Dec. 2	(f)	Mar. 1	(f)
July 3	44.74	Oct. 5	46.08	Jan. 14, 1964	46.40	Apr. 2	(f)
Aug. 1	45.18	Nov. 1	(f)	Feb. 3	(f)	May 5	(f)
Sept. 1	46.10	Dec. 3	(f)	Mar. 2	(f)	June 1	(f)
Oct. 6	(f)	Jan. 7, 1963	46.30	Apr. 1	(f)	July 2	(f)
Nov. 2	(f)	Feb. 1	(f)	May 1	(f)	Aug. 4	(f)
Dec. 1	(f)	Mar. 1	45.51	June 1	(f)	Sept. 1	(f)
Jan. 5, 1962	(f)	Apr. 1	(f)	July 1	45.69	Oct. 6	46.40
Feb. 1	(f)	May 1	46.09	Aug. 3	(f)	Nov. 1	(f)
Mar. 1	(f)	June 3	45.34	Sept. 1	(f)	Dec. 1	(f)

f Dry.

380722N1211532.1. Local number 3N/7E-7M1 M. Formerly 3N/7-7M1. J. and Rachel K. Goetken. East of Cherokee Lane. Lodi. Drilled irrigation water-table well in Victor Formation of Pleistocene age, diam 10 in, depth 87 ft. Lsd 52.63 ft above msl. Highest water level 24.51 below lsd, Apr. 6, 1938; lowest 52.00 below lsd, July 1, 1965. Records available: 1935-65. Records furnished by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1961	38.61	Apr. 2, 1962	43.38	July 1, 1963	48.43	Oct. 2, 1964	50.29
Feb. 1	38.20	May 1	46.84	Aug. 2	48.05	Nov. 2	49.03
Mar. 1	38.15	June 1	48.72	Sept. 3	47.08	Dec. 1	47.76
Apr. 3	41.29	July 2	50.80	Oct. 10	46.52	Jan. 6, 1965	46.62
May 1	43.22	Aug. 1	40.11	Nov. 1	45.57	Feb. 1	45.92
June 1	46.22	Sept. 4	48.55	Dec. 2	44.80	Mar. 1	45.11
July 3	46.20	Oct. 4	47.87	Jan. 13, 1964	43.99	Apr. 2	47.08
Aug. 1	46.50	Nov. 1	46.38	Feb. 3	43.60	May 5	47.48
Sept. 1	45.38	Dec. 3	45.04	Mar. 2	43.71	June 1	50.03
Oct. 5	44.50	Jan. 4, 1963	44.46	Apr. 1	48.80	July 1	52.00
Nov. 2	43.89	Feb. 1	44.12	May 1	49.46	Aug. 4	50.68
Dec. 1	43.32	Mar. 1	43.62	June 1	50.50	Sept. 1	49.90
Jan. 4, 1962	42.75	Apr. 1	44.14	July 1	51.19	Oct. 5	48.74
Feb. 1	42.60	May 1	44.59	Aug. 3	50.78	Nov. 1	48.01
Mar. 1	42.47	June 3	44.22	Sept. 1	50.90	Dec. 1	47.02

380717N121146.1. Local number 3N/7E-10L3 M. Formerly 3N/7-10L3. Edward Preszler. About 4 mi east of Lodi. Drilled observation water-table well in Victor Formation of Pleistocene age, diam 10 in, depth 72 ft, perforated 47-57. Lsd 72.59 ft above msl. Highest water level 35.33 below lsd, Jan. 12, 1939; lowest dry - several times 1961-64. Records available: 1935-64. Measurement discontinued Oct. 1, 1964. Records furnished by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1961	61.58	Dec. 1, 1961	67.20	Dec. 3, 1962	69.02	Nov. 1, 1963	69.78
Feb. 1	60.70	Jan. 5, 1962	65.23	Jan. 7, 1963	67.53	Dec. 2	68.58
Mar. 1	60.00	Feb. 1	65.45	Feb. 1	66.83	Jan. 14, 1964	66.75
Apr. 3	63.58	Mar. 1	64.71	Mar. 1	65.94	Feb. 3	66.41
May 1	68.83	Apr. 2	64.28	Apr. 1	65.60	Mar. 2	65.70
June 2	69.45	June 1	(f)	May 1	65.08	Apr. 1	67.60
July 3	(f)	July 2	(f)	June 3	66.00	May 1	(f)
Aug. 1	(f)	Aug. 1	(f)	July 1	66.50	June 1	(f)
Sept. 2	(f)	Sept. 4	(f)	Aug. 2	(f)	July 1	(f)
Oct. 6	(f)	Oct. 5	(f)	Sept. 3	(f)	Aug. 3	(f)
Nov. 2	68.84	Nov. 1	(f)	Oct. 7	(f)	Sept. 1	(f)

c Nearby well being pumped.

f Dry.

38071N1211146.2. Local number 3N/7E-10L4 M. Formerly 3N/7-10L4. Edward Preszler. About 4 mi east of Lodi. Drilled observation water-table well in Victor Formation of Pleistocene age, Arroyo Seco Gravel of Pleistocene age, and Laguna Formation of Pliocene(?) age, diam 12 to 10 in, depth 190 ft, cased. Lad 72.37 ft above msl. Highest water level 35.13 below lsd, Jan. 12, 1939; lowest 81.91 below lsd, Aug. 3, 1964. Records available: 1935-65. Records furnished by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1961	61.02	Apr. 2, 1962	65.04	Sept. 3, 1963	775.93	Nov. 2, 1964	773.55
Feb. 1	60.30	July 2	778.33	Oct. 7	72.06	Dec. 1	71.68
Mar. 1	60.19	Aug. 1	779.38	Nov. 1	69.41	Jan. 7, 1965	70.97
Apr. 3	66.45	Sept. 4	776.23	Dec. 2	67.98	Feb. 1	68.98
May 1	cj83.33	Oct. 5	772.86	Jan. 14, 1964	66.40	Mar. 1	68.37
June 2	71.09	Nov. 1	69.93	Feb. 3	65.74	Apr. 2	(a)
July 3	774.35	Dec. 3	68.48	Mar. 2	65.59	May 5	71.47
Aug. 1	777.93	Jan. 7, 1963	66.95	Apr. 1	71.23	June 1	774.54
Sept. 1	776.41	Feb. 1	66.11	May 1	(a)	July 2	(a)
Oct. 6	70.35	Mar. 1	67.18	June 1	775.67	Aug. 4	780.72
Nov. 2	68.55	Apr. 1	67.58	July 1	(a)	Sept. 1	780.03
Dec. 1	66.88	May 1	64.53	Aug. 3	781.91	Oct. 6	774.26
Jan. 5, 1962	65.56	June 3	68.55	Sept. 1	781.53	Nov. 1	772.66
Feb. 1	65.03	July 1	cj85.43	Oct. 5	776.00	Dec. 1	70.74
Mar. 1	64.21	Aug. 2	778.00				

a Well being pumped.

c Nearly well being pumped.

j Water level below sea level.

38061N1211530.1. Local number 3N/7E-18N12 M. Formerly 3N/7-18N12. Joe Garner. About 2.5 mi south of Lodi. Drilled domestic water-table well in Victor Formation of Pleistocene age, diam 6 in, depth 78 ft. Lad 47.44 ft above msl. Highest water level 29.86 below lsd, Feb. 2, 1953; lowest dry, Aug. 4, 1965. Records available: 1946-65. Records furnished by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1961	40.34	Apr. 2, 1962	45.25	July 1, 1963	755.41	Oct. 2, 1964	753.67
Feb. 1	40.06	May 1	750.88	Aug. 2	761.43	Nov. 2	752.57
Mar. 1	39.75	June 1	755.80	Sept. 3	754.79	Dec. 1	750.73
Apr. 3	43.13	July 2	759.45	Oct. 4	751.50	Jan. 6, 1965	749.38
May 1	747.52	Aug. 1	758.80	Nov. 1	749.18	Feb. 1	748.48
June 1	747.65	Sept. 4	753.79	Dec. 2	747.58	Mar. 1	748.10
July 3	754.70	Oct. 4	750.76	Jan. 13, 1964	746.39	Apr. 2	752.62
Aug. 1	755.90	Nov. 1	748.48	Feb. 3	746.13	May 5	751.42
Sept. 1	751.29	Dec. 3	747.16	Mar. 2	746.49	June 1	755.68
Oct. 5	47.43	Jan. 4, 1963	46.23	Apr. 1	751.56	July 1	761.94
Nov. 2	46.25	Feb. 1	45.84	May 1	755.52	Aug. 4	(f)
Dec. 1	45.48	Mar. 1	45.55	June 1	761.78	Sept. 1	756.96
Jan. 4, 1962	45.26	Apr. 1	747.73	July 1	761.78	Oct. 5	753.06
Feb. 1	745.08	May 1	45.99	Aug. 3	(a)	Nov. 1	751.59
Mar. 1	45.17	June 3	46.82	Sept. 1	757.16	Dec. 1	750.20

a Well being pumped.

b Well pumped recently.

f Dry.

j Water level below sea level.

380605N1211152.1. Local number 3N/7E-22C11 M. Formerly 3N/7-22C11. John Nietschke. About 4.6 mi southeast of Lodi. Drilled observation water-table well in Victor Formation of Pleistocene age and probably Arroyo Seco Gravel of Pleistocene age, and Laguna Formation of Pliocene(?) age, diam 8 in, depth 137 ft. Lad 56.43 ft above msl. Highest water level 50.21 below lsd, Mar. 2, 1953; lowest 87.21 below lsd, Aug. 3, 1964. Records available: 1952-65. Records furnished by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1961	66.00	Apr. 2, 1962	768.54	July 1, 1963	778.00	Oct. 5, 1964	783.50
Feb. 1	64.98	May 1	775.13	Aug. 2	(a)	Nov. 2	780.60
Mar. 1	64.02	June 1	775.14	Sept. 3	781.72	Dec. 1	778.36
Apr. 3	(a)	July 2	789.47	Oct. 7	779.10	Jan. 7, 1965	778.14
May 1	769.75	Aug. 1	7785.31	Nov. 1	775.23	Feb. 1	774.31
June 2	772.10	Sept. 4	783.03	Dec. 2	772.92	Mar. 1	774.03
July 3	(a)	Oct. 5	779.69	Jan. 14, 1964	771.47	Apr. 2	774.05
Aug. 1	(a)	Nov. 1	775.86	Feb. 3	772.05	May 5	775.01
Sept. 1	782.12	Dec. 3	773.78	Mar. 2	770.10	June 1	778.00
Oct. 6	775.60	Jan. 7, 1963	772.07	Apr. 1	771.44	July 2	785.33
Nov. 2	773.18	Feb. 1	771.30	May 1	(a)	Aug. 4	786.27
Dec. 1	771.54	Mar. 1	770.39	June 1	780.75	Sept. 1	785.54
Jan. 5, 1962	770.40	Apr. 1	770.86	July 1	782.10	Oct. 6	781.33
Feb. 1	769.49	May 1	769.31	Aug. 3	787.21	Nov. 1	779.30
Mar. 1	768.66	June 3	773.28	Sept. 1	785.30	Dec. 1	776.79

a Well being pumped.

b Well pumped recently.

j Water level below sea level.

380451N1211147.1. Local number 3N/7E-27F3 M. Formerly 3N/7-27F3. John F. Heitzmann. About 5.5 mi southeast of Lodi. Drilled observation water-table well in Victor Formation of Pleistocene age, diam 8 in, depth 91 ft, cased to 63. Lad 59.42 ft above msl. Highest water level 26.12 below lsd, Mar. 31, 1943; lowest dry, Aug. 3, Sept. 1, 1964. Records available: 1935-64. Measurement discontinued Oct. 5, 1964. Records furnished by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1961	763.28	Sept. 1, 1961	772.38	May 1, 1962	769.98	Jan. 7, 1963	769.94
Feb. 1	762.59	Oct. 5	769.41	June 1	769.79	Mar. 1	768.77
Mar. 1	761.81	Nov. 2	768.54	July 2	774.53	Apr. 1	767.96
Apr. 3	761.25	Dec. 1	767.72	Aug. 1	cj78.22	May 1	767.23
May 1	764.24	Jan. 5, 1962	767.17	Sept. 4	776.16	June 3	772.38
June 2	765.40	Feb. 1	766.67	Oct. 5	773.68	July 1	774.58
July 3	769.80	Mar. 1	766.08	Nov. 1	771.43	Aug. 2	777.43
Aug. 1	770.25	Apr. 2	765.41	Dec. 3	770.58	Sept. 3	778.04

380451N1211147.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 7, 1963	j72.88	Jan. 14, 1964	j69.99	Apr. 1, 1964	j67.23	July 1, 1964	j73.63
Nov. 1	j71.36	Feb. 3	j68.32	May 1	j71.59	Aug. 3	(f)
Dec. 2	j70.21	Mar. 2	j67.60	June 1	j74.86	Sept. 1	(f)

f Dry.

j Water level below sea level.

381215N1211546.1. Local number 4N/6E-12R11 M. Formerly 4N/6-12R11. A. T. Carlson. About 4.5 mi north of Lodi. Drilled domestic and irrigation water-table well in Victor, Arroyo Seco, and Laguna Formations, diam 8 in, depth 150 ft. Lsd 57.95 ft above msl. Highest water level 38.84 below lsd, May 1, 1952; lowest 76.65 below lsd, Oct. 2, 1964. Records available: 1948-65. Records furnished by East Bay Municipal Utility District.

Jan. 4, 1961	j58.65	Apr. 2, 1962	j61.24	July 1	cj70.80	Oct. 2, 1964	j76.65
Feb. 1	56.63	May 1	j66.30	Aug. 2	j73.93	Nov. 2	j71.46
Mar. 1	55.97	June 1	j68.94	Sept. 3	j73.98	Dec. 1	j69.31
Apr. 3	57.00	July 2	j72.59	Oct. 4	j73.22	Jan. 18, 1965	j66.13
May 1	j60.80	Aug. 1	j74.78	Nov. 1	j67.72	Feb. 1	j65.25
June 1	(a)	Sept. 4	j74.57	Dec. 2	j65.38	Mar. 1	j64.09
July 3	j69.57	Oct. 4	j74.40	Jan. 13, 1964	j62.66	Apr. 1	j62.69
Aug. 1	j71.32	Nov. 1	j69.69	Feb. 3	j62.05	May 5	j63.56
Sept. 1	j72.84	Dec. 3	j67.01	Mar. 2	j60.83	June 1	j68.45
Oct. 5	j71.30	Jan. 4, 1963	j65.09	Apr. 1	j63.30	July 2	j72.25
Nov. 1	j68.50	Feb. 1	j63.86	May 1	j65.65	Aug. 4	j75.25
Dec. 1	j65.88	Mar. 1	j62.53	June 1	j69.74	Sept. 1	j72.60
Jan 4, 1962	j63.46	Apr. 1	j61.81	July 1	j71.49	Oct. 4	j71.67
Feb. 1	j62.04	May 1	j60.09	Aug. 3	j74.88	Nov. 1	j69.82
Mar. 1	j60.77	June 3	j60.20	Sept. 1	j75.93	Dec. 1	j68.22

a Well being pumped.

c Nearby well being pumped.

j Water level below sea level.

380933N1211635.1. Local number 4N/6E-36D1 M. Formerly 4N/6-36D1. D. D. Smith and S. H. and I. Zimmerman. About 1.6 mi north of Lodi. Drilled unused water-table well in Victor Formation of Pleistocene age, diam 6 in, depth 35 ft. Lsd 49.90 ft above msl. Highest water level 15.02 below lsd, Mar. 31, 1943; lowest dry at 35.00 below lsd, May 1, 1946. Records available: 1926-29. 1935-62. Measurement discontinued. Records furnished by East Bay Municipal Utility District.

Jan. 3, 1961	28.16	July 3, 1961	33.59	Dec. 1, 1961	29.31	May 1, 1962	31.18
Feb. 1	28.12	Aug. 1	32.96	Jan. 4, 1962	29.92	June 1	32.58
Mar. 1	27.97	Sept. 1	31.66	Feb. 1	29.55	July 2	34.82
Apr. 3	27.19	Oct. 3	29.95	Mar. 1	28.32	Aug. 1	32.66
May 1	33.31	Nov. 1	29.59	Apr. 2	27.46	Sept. 4	31.10
June 1	31.45						

380933N1211635.2. Local number 4N/6E-36D2 M. Replaces 4N/6E-36D1. S. Wortley. About 1.6 mi north of Lodi. Drilled irrigation water-table well in Victor Formation of Pleistocene age, diam 10 in, depth 52 ft. Lsd 49.11 ft above msl. Highest water level 26.84 below lsd, Apr. 1, 1963; lowest 34.84 below lsd, May 1, 1964. Records available: 1962-65. Records furnished by East Bay Municipal Utility District.

Oct. 23, 1962	29.07	Aug. 2, 1963	30.55	June 1, 1964	31.01	Apr. 1, 1965	27.69
Nov. 1	29.69	Sept. 3	28.10	July 1	32.65	May 5	30.04
Dec. 3	28.70	Oct. 2	27.42	Aug. 3	32.70	June 1	(a)
Jan. 3, 1963	27.65	Nov. 1	27.58	Sept. 1	31.39	July 2	(a)
Feb. 1	27.19	Dec. 2	27.84	Oct. 2	30.69	Aug. 4	(a)
Mar. 1	27.24	Jan. 10, 1964	28.40	Nov. 2	30.19	Sept. 1	30.47
Apr. 1	26.84	Feb. 3	27.86	Dec. 1	29.90	Oct. 4	29.50
May 1	(a)	Mar. 2	28.22	Jan. 6, 1965	29.86	Nov. 1	29.39
June 3	(a)	Apr. 1	28.62	Feb. 1	29.05	Dec. 1	29.36
July 1	(a)	May 1	34.84	Mar. 1	29.76		

a Well being pumped.

381033N1211147.1. Local number 4N/7E-22Q4 M. Formerly 4N/7-22Q4. Adolphus Eddlemon. About 4.9 mi northeast of Lodi. Drilled observation water-table well in Victor Formation of Pleistocene age and underlying unclassified sand and gravel, diam 10 in, depth 75 ft, perforated 39-49. Lsd 83.61 ft above msl. Highest water level 35.95 below lsd, Apr. 30, 1943; lowest dry, Aug. 3, Sept. 1, 1964. Records available: 1935-64. Measurement discontinued Oct. 1, 1964. Records furnished by East Bay Municipal Utility District.

Jan. 6, 1961	62.02	Jan. 8, 1962	65.89	Dec. 3, 1962	69.43	Nov. 1, 1963	69.73
Feb. 1	61.22	Feb. 1	65.40	Jan. 8, 1963	67.64	Dec. 2	68.29
Mar. 1	60.47	Mar. 1	64.53	Feb. 1	67.10	Jan. 15, 1964	66.46
Apr. 3	62.00	Apr. 2	63.56	Mar. 1	65.40	Feb. 3	65.87
May 1	66.57	May 1	c67.36	Apr. 1	64.60	Mar. 2	65.00
June 2	67.69	June 1	69.87	May 1	63.66	Apr. 1	65.70
July 3	69.54	July 2	c71.46	June 3	64.08	May 1	69.18
Aug. 1	71.17	Aug. 1	c73.12	July 1	66.71	June 1	71.29
Sept. 1	72.17	Sept. 4	74.20	Aug. 2	70.32	July 2	72.88
Oct. 9	70.96	Oct. 8	72.76	Sept. 3	71.85	Aug. 3	(f)
Nov. 2	69.52	Nov. 1	71.39	Oct. 8	70.81	Sept. 1	(f)
Dec. 1	68.04						

c Nearby well being pumped.

f Dry.

381033N1211147.2. Local number 4N/7E-22Q5 M. Formerly 4N/7-22Q5. Adolphus Eddlemon. About 4.9 mi northeast of Lodi. Drilled observation artesian well in Victor, Arroyo Seco, and Laguna Formations, diam 10 in, depth 266 ft. Lsd 83.95 ft above msl. Highest water level 36.34 below lsd, Mar. 31, 1943; lowest 60.88 below lsd, Aug. 4, 1965. Records available: 1935-65. Records furnished by East Bay Municipal Utility District.

381032N1211147.2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1961	62.84	Apr. 2, 1962	64.60	July 1, 1963	74.85	Oct. 6, 1964	76.37
Feb. 1	62.15	May 1	c76.65	Aug. 2	77.48	Nov. 2	74.61
Mar. 1	61.41	June 1	74.50	Sept. 3	75.22	Dec. 1	72.84
Apr. 3	66.94	July 2	c79.90	Oct. 8	72.32	Jan. 8, 1965	71.13
May 1	72.14	Aug. 1	c81.84	Nov. 1	70.43	Feb. 2	69.68
June 2	72.45	Sept. 4	76.14	Dec. 2	68.99	Mar. 1	69.27
July 3	76.83	Oct. 8	73.76	Jan. 15, 1964	67.19	Apr. 2	68.50
Aug. 1	78.00	Nov. 1	71.48	Feb. 3	66.46	May 5	68.00
Sept. 1	76.13	Dec. 3	69.80	Mar. 2	65.91	June 2	72.58
Oct. 9	71.82	Jan. 8, 1963	68.01	Apr. 1	68.24	July 2	75.90
Nov. 2	70.29	Feb. 1	67.06	May 1	77.93	Aug. 4	80.88
Dec. 1	69.89	Mar. 1	65.93	June 1	75.16	Sept. 1	77.25
Jan. 8, 1962	66.82	Apr. 1	65.49	July 2	78.38	Oct. 6	74.91
Feb. 1	66.00	May 1	64.19	Aug. 3	79.82	Nov. 1	73.53
Mar. 1	65.04	June 3	66.34	Sept. 1	79.51	Dec. 1	71.62

c Nearby well being pumped.

380940N1211146.1. Local number 4N/TE-27P1 M. Formerly 4N/TE-27P1. Frank H. and Leonard W. Buck. About 4.4 mi northeast of Lodi. Drilled observation water-table well in Victor Formation of Pleistocene age, diam 10 in, depth 49 ft, cased to 49, perforated 39-49. Lsd 81.20 ft above msl. Highest water level 24.60 below lsd, June 3, 1938; lowest 42.70 below lsd, Oct. 6, 1964. Records available: 1935-65. Records furnished by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1961	40.74	Apr. 2, 1962	40.43	July 1, 1963	34.16	Oct. 6, 1964	42.70
Feb. 1	40.55	May 1	40.20	Aug. 2	37.79	Nov. 2	42.63
Mar. 1	40.62	June 1	40.03	Sept. 3	39.46	Dec. 1	42.68
Apr. 3	40.83	July 2	38.69	Oct. 8	39.93	Jan. 8, 1965	33.97
May 1	41.34	Aug. 1	40.00	Nov. 1	40.69	Feb. 2	35.30
June 2	41.61	Sept. 4	40.59	Dec. 2	40.98	Mar. 1	37.96
July 3	41.58	Oct. 8	41.06	Jan. 15, 1964	41.28	Apr. 2	39.12
Aug. 1	41.82	Nov. 1	41.27	Feb. 3	41.07	May 5	38.08
Sept. 1	42.00	Dec. 3	41.32	Mar. 2	40.90	June 2	36.95
Oct. 9	41.83	Jan. 8, 1963	41.15	Apr. 1	41.33	July 2	37.05
Nov. 2	41.94	Feb. 1	40.46	May 1	41.66	Aug. 4	39.37
Dec. 1	41.99	Mar. 1	38.09	June 1	41.93	Sept. 1	39.99
Jan. 8, 1962	42.14	Apr. 1	38.84	July 2	42.00	Oct. 6	40.68
Feb. 1	42.15	May 1	37.24	Aug. 3	42.36	Nov. 1	39.01
Mar. 1	41.48	June 3	33.62	Sept. 1	42.57	Dec. 1	37.80

381007N1211536.1. Local number 4N/TE-30E4 M. Formerly 4N/TE-30E4. Charles Weber. About 2.5 mi north of Lodi. Drilled unused water-table well in Victor Formation of Pleistocene age, diam 6 in, depth 76 ft. Lsd 37.10 ft above msl. Highest water level 26.35 below lsd, Jan. 4, 1944; lowest 57.25 below lsd, July 2, 1962. Records available: 1941-65. Records furnished by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1961	42.24	Apr. 2, 1962	43.28	July 1, 1963	46.40	Oct. 2, 1964	51.02
Feb. 1	41.56	May 1	47.52	Aug. 2	49.66	Nov. 2	49.38
Mar. 1	40.95	June 1	48.91	Sept. 3	48.91	Dec. 1	48.16
Apr. 3	41.45	July 2	57.25	Oct. 4	47.32	Jan. 6, 1965	47.00
May 1	45.41	Aug. 1	53.65	Nov. 1	45.86	Feb. 1	46.35
June 1	50.79	Sept. 4	51.99	Dec. 2	44.99	Mar. 1	45.54
July 3	51.50	Oct. 4	49.49	Jan. 13, 1964	43.73	Apr. 1	45.31
Aug. 1	53.62	Nov. 1	47.92	Feb. 3	43.43	May 5	45.46
Sept. 1	51.47	Dec. 3	46.82	Mar. 2	43.76	June 1	47.70
Oct. 5	48.65	Jan. 4, 1963	45.59	Apr. 1	44.82	July 2	51.90
Nov. 1	47.30	Feb. 1	44.78	May 1	48.43	Aug. 4	52.54
Dec. 1	46.87	Mar. 1	43.99	June 1	50.70	Sept. 1	51.35
Jan. 4, 1962	45.61	Apr. 1	43.37	July 1	52.19	Oct. 4	49.28
Feb. 1	44.80	May 1	42.82	Aug. 3	53.51	Nov. 1	47.98
Mar. 1	44.03	June 3	42.83	Sept. 1	52.83	Dec. 1	46.86

380911N1211148.1. Local number 4N/TE-34F11 M. Formerly 4N/TE-34F11. John J. Schmiedt. About 4.2 mi east of Lodi. Drilled observation water-table well in alluvium, diam 4 in, depth 24 ft. Lsd 61.76 ft above msl. Highest water level 6.09 below lsd, Jan. 6, 1956; lowest 19.74 below lsd, Dec. 1, 1964. Records available: 1952-65. Records furnished by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1961	18.28	Apr. 2, 1962	17.15	July 1, 1963	12.85	Oct. 5, 1964	19.47
Feb. 1	18.07	May 1	17.29	Aug. 2	16.63	Nov. 2	19.44
Mar. 1	18.49	June 1	15.61	Sept. 3	17.43	Dec. 1	19.74
Apr. 3	19.14	July 2	15.34	Oct. 8	17.74	Jan. 8, 1965	15.26
May 1	19.13	Aug. 1	16.37	Nov. 1	18.05	Feb. 1	13.71
June 2	19.38	Sept. 4	16.56	Dec. 2	17.73	Mar. 1	15.88
July 3	18.03	Oct. 5	17.81	Jan. 14, 1964	19.21	Apr. 2	16.49
Aug. 1	18.59	Nov. 1	18.01	Feb. 3	17.53	May 5	14.11
Sept. 1	18.80	Dec. 3	18.14	Mar. 2	18.87	June 1	14.59
Oct. 6	18.84	Jan. 7, 1963	17.67	Apr. 1	19.28	July 2	13.47
Nov. 2	19.14	Feb. 1	17.15	May 1	19.11	Aug. 4	14.68
Dec. 1	19.30	Mar. 1	14.83	June 1	19.30	Sept. 1	17.79
Jan. 5, 1962	19.40	Apr. 1	16.47	July 1	18.74	Oct. 6	16.44
Feb. 1	19.43	May 1	12.91	Aug. 3	19.37	Nov. 1	14.53
Mar. 1	18.13	June 3	10.05	Sept. 1	19.49	Dec. 1	14.83

Santa Barbara County

Carpinteria Basin

342446N193157.1. Local number 4N/25W-19J5 S. Formerly 4/25-19J5. Lyman & Young. Drilled unused artesian well in alluvium, diam 8 in, depth 100 ft. Lsd 55 ft above msl. Highest water level 39.41 below lsd, Apr. 23, 1942; lowest 92.95 below lsd, Sept. 25, 1951. Records available: 1941-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1961	j64.88	May 30, 1962	j59.95	Aug. 27, 1963	j61.07	Oct. 23, 1964	j68.00
Feb. 27	j63.89	June 22	j62.47	Sept. 23	cj62.66	Nov. 19	j65.84
Mar. 31	cj68.10	July 23	j61.84	Oct. 21	j61.72	Dec. 22	j63.12
May 29	cj73.90	Aug. 27	j63.92	Nov. 21	j60.06	Jan. 22, 1965	j61.22
June 29	cj75.53	Sept. 21	j65.32	Dec. 18	j58.58	Feb. 23	j58.58
July 27	cj76.21	Oct. 29	j65.47	Jan. 21, 1964	j60.81	Mar. 25	j58.37
Aug. 22	cj78.59	Nov. 21	j64.07	Feb. 20	j59.18	Apr. 26	j56.65
Sept. 21	ej78.80	Dec. 27	j64.89	Mar. 24	j61.50	May 24	j56.20
Oct. 30	j80.85	Jan. 24, 1963	j64.92	Apr. 22	j58.85	June 28	cj58.20
Nov. 27	j77.64	Feb. 25	j62.35	May 22	cj61.24	July 26	j59.72
Dec. 22	j74.47	Mar. 22	j60.36	June 22	j63.55	Aug. 19	j62.15
Jan. 18, 1962	j72.15	Apr. 30	j57.55	July 24	cj66.00	Sept. 23	j61.10
Feb. 23	j68.72	May 30	j55.94	Aug. 24	cj66.98	Oct. 27	j63.35
Mar. 27	j61.06	June 27	j55.16	Sept. 21	j67.67	Nov. 23	j61.25
Apr. 26	j56.22	July 26	j62.37				

c Nearby well being pumped.

e Estimated.

j Water level below sea level.

342414N192742.1. Local number 4N/25W-26A1 S. Formerly 4/25-26A1. Moses Mesa Associates Co. Drilled unused water-table well in Castas Formation of Pleistocene age, diam 10 in, depth 480 ft, cased to 480, perforated 228-380. Lsd 420 ft above msl. Highest water level 230.09 below lsd, Feb. 8, 1946; lowest 387.00 below lsd, Nov. 27, 1955. Records available: 1946-65.

Jan. 27, 1961	284.04	May 30, 1962	297.60	Aug. 27, 1963	288.76	Oct. 23, 1964	295.22
Feb. 27	282.96	June 22	297.13	Sept. 23	287.70	Nov. 19	291.00
Mar. 31	284.00	July 23	304.34	Oct. 22	288.17	Dec. 22	287.96
Apr. 28	293.73	Aug. 27	297.50	Nov. 21	284.16	Jan. 22, 1965	284.90
May 29	297.80	Sept. 21	300.01	Dec. 18	281.94	Feb. 23	282.12
June 29	297.59	Oct. 30	293.17	Jan. 21, 1964	283.87	Mar. 25	281.95
July 27	298.60	Nov. 21	296.94	Feb. 20	283.54	Apr. 26	277.63
Aug. 22	299.49	Dec. 26	297.30	Mar. 24	285.15	May 24	279.55
Oct. 31	309.21	Jan. 24, 1963	297.38	Apr. 22	282.00	June 28	278.00
Nov. 27	308.00	Feb. 25	292.60	May 22	282.47	July 26	278.97
Dec. 26	303.40	Mar. 22	289.53	June 22	284.56	Aug. 19	279.56
Jan. 18, 1962	302.95	Apr. 30	285.30	July 24	287.44	Sept. 24	279.50
Feb. 23	298.52	May 30	282.86	Aug. 24	291.32	Oct. 27	282.35
Mar. 26	295.28	June 27	282.08	Sept. 21	294.25	Nov. 23	278.85
Apr. 26	294.24	July 26	285.19				

342341N192907.1. Local number 4N/25W-27Q2 S. Formerly 4/25-27Q2. A. F. Heimlich. Drilled unused artesian well in Castas Formation of Pleistocene age, diam 10 in, depth 198 ft. Lsd 127 ft above msl. Highest water level 73.59 below lsd, May 22, 1964; lowest 175.42 below lsd, Sept. 25, 1951. Records available: 1941-65.

Jan. 27, 1961	j148.67	Sept. 21, 1962	108.15	Sept. 23, 1963	107.41	Nov. 19, 1964	110.00
Feb. 27	cj147.34	Oct. 29	120.37	Oct. 21	105.89	Dec. 22, 1965	106.80
Sept. 21	113.82	Nov. 21	d123.77	Nov. 21	107.21	Feb. 23	101.64
Oct. 30	cj130.52	Dec. 27	e121.60	Dec. 18	112.43	Mar. 25	103.48
Nov. 27	126.16	Jan. 24, 1963	c106.97	Jan. 21, 1964	82.37	Apr. 26	100.46
Dec. 22	j133.47	Feb. 25	118.07	Feb. 20	c94.84	May 24	100.90
Jan. 18, 1962	100.42	Mar. 22	120.65	Mar. 24	99.45	June 28	c101.20
Feb. 23	113.84	Apr. 30	125.41	Apr. 22	107.82	July 26	102.50
Mar. 27	125.84	May 30	111.62	May 22	73.59	Aug. 19	c109.05
May 30	107.04	June 27	120.90	Aug. 24	103.39	Sept. 24	105.64
July 23	102.37	July 26	116.52	Sept. 21	100.84	Oct. 27	100.98
Aug. 27	106.17	Aug. 27	c108.93	Oct. 23	109.21	Nov. 23	96.92

c Nearby well being pumped.

d Nearby well pumped recently.

e Estimated.

j Water level below sea level.

342349N193128.1. Local number 4N/25W-29L1 S. Formerly 4/25-29L1. A. P. Salzgeber. Drilled unused artesian well in alluvium, diam 2 in, depth 110 ft. Lsd 18 ft above msl. Highest water level 7.43 below lsd, May 27, 1958; lowest 51.24 below lsd, Sept. 25, 1951. Records available: 1950-65.

Jan. 27, 1961	j19.40	May 30, 1962	j20.60	Aug. 27, 1963	j21.68	Oct. 23, 1964	j22.93
Feb. 27	j19.51	June 22	j21.49	Sept. 24	j19.26	Nov. 19	j19.88
Mar. 31	j20.59	July 23	j26.30	Oct. 22	j18.28	Dec. 22	16.73
Apr. 28	j25.62	Aug. 27	j26.37	Nov. 21	15.90	Jan. 22, 1965	14.86
May 29	j29.59	Sept. 21	j25.28	Dec. 18	14.10	Feb. 23	13.29
June 29	j31.11	Oct. 30	j23.25	Jan. 21, 1964	j17.28	Mar. 25	12.53
July 27	j31.09	Nov. 21	j22.13	Feb. 20	16.28	Apr. 26	10.83
Aug. 22	j31.43	Dec. 26	j21.67	Mar. 24	j17.49	May 24	10.29
Oct. 31	j32.92	Jan. 24, 1963	j24.25	Apr. 22	14.07	June 28	12.35
Nov. 27	j30.77	Feb. 25	j18.24	May 22	j18.10	July 26	14.72
Dec. 29	j26.12	Mar. 22	16.30	June 22	j20.02	Aug. 19	16.25
Jan. 18, 1962	j25.54	Apr. 30	13.12	July 24	j22.73	Sept. 24	15.73
Feb. 26	j20.30	May 30	12.77	Aug. 24	j20.90	Oct. 27	17.55
Mar. 26	15.38	June 27	12.39	Sept. 21	j22.09	Nov. 23	15.00
Apr. 26	12.04	July 26	j20.25				

j Water level below sea level.

Goleta Basin

342636N1194926.1. Local number 4N/28W-9E1 S. Formerly 4/28-9E1. A. T. Spaulding. Fairview and Encina Roads. Drilled unused artesian well in Santa Barbara Formation of early Pleistocene age, diam 12 in, depth 310 ft. Lsd 43.58 ft above msl. Highest water level 27.64 below lsd, June 7, 1941; lowest 78.66 below lsd, Oct. 29, 1954. Records available: 1941, 1943-62. Well destroyed Mar. 30, 1962; replaced by 4N/28W-9L2 S.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1961	161.59	May 29, 1961	162.77	Sept. 25, 1961	164.84	Dec. 26, 1961	161.93
Feb. 27	161.19	June 29	162.51	Oct. 22	163.86	Jan. 18, 1962	161.19
Mar. 31	161.81	July 27	162.42	Nov. 22	163.18	Feb. 26	160.73
Apr. 27	162.87	Aug. 23	162.69				

j Water level below sea level.

342633N1194914.1. Local number 4N/28W-9L2 S. Replaces 4/28-9E1. Adams-Capital Roofing. Drilled irrigation artesian well in Santa Barbara Formation of early Pleistocene age, diam 12 in, depth 164 ft. Lsd 53 ft above msl. Highest water level 48.61 below lsd, Nov. 29, 1955; lowest 59.59 below lsd, Jan. 21, 1964. Records available: 1963-65.

Mar. 14, 1963	158.43	Nov. 27, 1963	154.41	Aug. 25, 1964	51.98	Apr. 27, 1965	48.88
22	157.87	Dec. 23	153.75	Sept. 22	54.07	May 24	50.70
Apr. 30	157.18	Jan. 21, 1964	159.59	Oct. 26	52.30	June 28	53.92
May 30	155.83	Feb. 24	52.62	Nov. 23	52.38	Aug. 20	153.33
June 27	155.54	Mar. 25	52.65	Dec. 28	52.68	Sept. 23	50.09
July 29	155.26	Apr. 23	51.84	Jan. 25, 1965	156.29	Oct. 28	49.39
Aug. 30	155.70	May 25	51.78	Feb. 24	154.35	Nov. 21	48.61
Oct. 22	154.92	July 27	153.20	Mar. 25	49.60		

j Water level below sea level.

342635N1194815.1. Local number 4N/28W-10F1 S. Formerly 4/28-10F1. J. S. Edwards. Patterson Ave. and Maria Ygnacio Creek. Drilled unused artesian well in Santa Barbara Formation of early Pleistocene age, diam 12 in, depth 459 ft, cased to 459, perforated 72-198, 312-459. Lsd 79.90 ft above msl. Highest water level 56.44 below lsd, Apr. 28, 1945; lowest 103.27 below lsd, July 24, 1956. Records available: 1932-33, 1937-38, 1941-65.

Jan. 27, 1961	73.25	May 31, 1962	73.90	Aug. 30, 1963	72.28	Oct. 21, 1964	74.45
Feb. 27	72.76	June 22	73.57	Sept. 30	72.52	Dec. 21	75.80
Mar. 31	72.94	July 24	75.54	Oct. 22	72.43	Jan. 25, 1965	76.00
Apr. 27	75.02	Aug. 27	73.15	Nov. 22	74.94	Feb. 21	72.19
May 29	73.73	Sept. 24	73.22	Dec. 23	72.66	Mar. 25	72.30
June 29	73.99	Oct. 30	73.00	Jan. 21, 1964	72.53	Apr. 27	71.95
Aug. 22	74.33	Nov. 23	73.10	Feb. 25	72.59	May 25	72.00
Oct. 30	76.45	Jan. 24, 1963	73.33	Mar. 25	72.74	June 29	73.86
Nov. 22	76.62	Feb. 28	73.12	Apr. 23	72.26	July 27	75.38
Dec. 22	76.78	Mar. 22	73.03	May 25	72.35	Aug. 20	72.02
Jan. 18, 1962	76.94	Apr. 30	72.30	June 23	72.53	Sept. 23	74.74
Feb. 26	75.97	May 30	72.45	July 22	72.17	Oct. 28	72.33
Mar. 27	75.35	June 27	71.55	Aug. 25	71.97	Nov. 29	72.08
Apr. 26	74.36	July 29	72.45	Sept. 22	71.82		

c Nearby well being pumped.

342556N1195253.1. Local number 4N/29W-14A3 S. Formerly 4/29-14A3. State of California. Formerly Ben Romer. Glen Annie Rd. and Southern Pacific RR. Drilled unused water-table well in Santa Barbara Formation of early Pleistocene age, diam 12 in, depth 160 ft. Lsd 51 ft above msl. Highest water level 40.45 below lsd, Nov. 29, 1955; lowest 87.46 below lsd, July 30, 1951. Records available: 1941-58, 1960-65.

Jan. 27, 1961	50.59	Apr. 26, 1962	49.22	July 29, 1963	45.64	Oct. 26, 1964	42.74
Feb. 27	49.16	May 30	49.04	Aug. 30	45.57	Nov. 23	42.59
Mar. 31	49.61	June 22	48.75	Sept. 24	45.35	Dec. 28	42.34
Apr. 27	50.48	July 23	48.65	Oct. 22	45.22	Jan. 25, 1965	42.30
May 29	50.60	Aug. 27	48.53	Nov. 22	45.22	Feb. 23	42.00
June 29	50.79	Sept. 21	48.39	Dec. 23	44.86	Mar. 25	41.78
July 27	50.58	Oct. 30	48.07	Jan. 20, 1964	44.40	Apr. 27	41.60
Aug. 23	50.85	Nov. 21	47.82	Feb. 24	44.15	May 24	41.36
Sept. 25	50.42	Dec. 27	47.78	Mar. 25	44.22	June 28	41.20
Oct. 22	50.28	Jan. 24, 1963	47.27	Apr. 23	43.74	July 26	41.14
Nov. 22	50.33	Feb. 28	47.32	May 25	43.51	Aug. 20	40.98
Dec. 26	50.12	Mar. 22	46.93	June 22	43.39	Sept. 24	40.74
Jan. 19, 1962	49.98	Apr. 30	46.54	July 27	43.15	Oct. 28	40.64
Feb. 28	49.67	May 30	45.47	Aug. 25	43.10	Nov. 28	40.45
Mar. 30	49.40	June 26	45.67	Sept. 22	42.96		

Upper Santa Ynez Valley

343627N1200308.1. Local number 6N/30W-9N1 S. Formerly 6/30-9N1. San Lucas Ranch. Near Santa Ynez. Drilled stock water-table well in Paso Robles(?) Formation of Pliocene and Pleistocene(?) age, diam 8 in, depth 160 ft. Lsd 660.01 ft above msl. Highest water level 24.06 below lsd, July 27, 1960; lowest 41.54 below lsd, Jan. 30, 1956. Records available: 1941-65.

June 8, 1961	38.64	May 29, 1962	38.55	May 28, 1963	38.58	May 27, 1964	b39.33
28	38.67	June 28	(a)	June 25	38.60	June 29	b38.89
July 27	38.77	July 25	38.39	July 23	(a)	July 28	39.03
Aug. 25	38.84	Aug. 28	38.37	Aug. 26	38.64	Aug. 24	38.43
Sept. 26	39.04	Sept. 24	38.43	Sept. 24	38.64	Sept. 28	39.05
Oct. 23	38.83	Oct. 24	38.56	Oct. 23	(a)	Oct. 30	38.90
Nov. 24	38.77	Nov. 23	38.48	Nov. 20	(a)	Nov. 28	39.17
Dec. 27	39.60	Dec. 20	38.54	Dec. 30	38.89	Dec. 15	39.66
Jan. 24, 1962	38.85	Jan. 28, 1963	38.45	Jan. 29, 1964	38.89	Jan. 28, 1965	39.23
Feb. 27	38.93	Feb. 25	38.60	Feb. 26	(a)	Feb. 26	39.19
Mar. 28	a39.27	Mar. 25	37.63	Mar. 27	38.70	Mar. 31	(a)
Apr. 25	38.65	Apr. 22	38.58	Apr. 23	(a)	Apr. 29	40.74

343627N1200308.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 28, 1965	39.40	July 27, 1965	39.48	Sept. 27, 1965	39.47	Nov. 23, 1965	39.34
June 30	39.36	Aug. 25	39.48	Oct. 27	39.48		

a Well being pumped.

b Well pumped recently.

343426N1200407.1. Local number 6N/30W-29E1 S. Formerly 6/30-29E1. Rancho Juan y Lolita. Near Santa Ynez. Drilled unused water-table well in alluvium, diam 10 in, depth 52 ft. Lsd 465.02 ft above msl. Highest water level 7.97 below lsd, Mar. 10, 1941; lowest 24.00 below lsd, May 20-21, 1951. Records available: 1933-65.

Jan. 23, 1961	21.61	Mar. 31, 1962	k12.33	May 27, 1963	15.59	Oct. 30, 1964	21.68
Feb. 28	k21.09	Apr. 30	k13.17	June 25	16.09	Nov. 18	21.97
Mar. 31	k20.56	May 31	k12.95	July 23	16.56	Dec. 15	22.24
Apr. 25	k20.45	June 28	13.51	Aug. 26	19.07	Jan. 28, 1965	21.83
May 9	20.11	July 25	15.21	Sept. 24	20.00	Feb. 26	16.12
June 6	20.18	Aug. 28	17.86	Oct. 23	20.85	Mar. 31	15.22
July 31	k21.19	Sept. 24	19.68	Nov. 21	20.80	Apr. 29	12.50
Aug. 31	k21.08	Oct. 24	20.13	Jan. 29, 1964	21.01	May 28	13.43
Sept. 30	k21.44	Nov. 23	20.43	Feb. 26	20.75	June 30	14.29
Oct. 23	21.92	Dec. 20	20.23	Mar. 27	20.37	July 27	15.64
Nov. 21	22.49	Jan. 28, 1963	20.29	Apr. 23	17.92	Aug. 25	18.21
Dec. 31	22.84	Feb. 25	19.24	May 27	15.45	Sept. 27	19.09
Jan. 31, 1962	k22.30	Apr. 3	15.85	June 29	14.71	Oct. 27	19.74
Feb. 15	k20.21	22	15.66	Sept. 28	21.06	Nov. 23	19.50

k Measurement from recorder chart.

343714N1201445.1. Local number 6N/32W-9A2 S. Replaces 6N/32W-9A1. E. F. Airey. Near Buellton. Drilled irrigation water-table well in alluvium, diam 12 in, depth 72 ft. Lsd 308.03 ft above msl. Highest water level 29.86 below lsd, Mar. 17, 1952; lowest 40.30 below lsd, Sept. 26, 1961. Records available: 1945, 1950-58, 1960-65.

Apr. 9, 1945	30.78	June 10, 1954	36.00	Sept. 25, 1957	37.52	Sept. 27, 1962	38.50
Mar. 16, 1950	32.17	July 22	(a)	Oct. 21	37.06	Oct. 24	37.29
Jan. 15, 1951	32.87	Aug. 18	(a)	Nov. 19	34.91	Nov. 23	35.69
Feb. 15	32.77	Sept. 27	(a)	Dec. 10	34.84	Dec. 21	35.73
Mar. 2	32.14	Oct. 24	35.85	Jan. 7, 1958	34.25	Jan. 28, 1963	36.29
June 1	32.94	Nov. 17	34.78	24	34.28	Feb. 25	34.77
Aug. 13	35.25	Dec. 22	35.28	Feb. 18	33.19	Apr. 23	34.36
Oct. 11	34.22	Jan. 24, 1955	34.78	Mar. 10	32.78	May 28	35.77
Nov. 5	33.78	Feb. 21	34.66	Apr. 10	30.48	June 25	(a)
Dec. 5	33.12	Mar. 29	35.40	May 8	32.36	July 23	(a)
31	32.70	Apr. 26	36.64	20	33.09	Aug. 28	(a)
Jan. 25, 1952	30.38	May 12	35.28	June 20	34.28	Sept. 24	38.67
Feb. 25	32.29	June 22	36.02	July 15	35.18	Oct. 24	37.10
Mar. 17	29.86	July 14	(a)	Aug. 15	36.60	Nov. 21	36.63
Apr. 23	32.72	Aug. 25	38.10	Aug. 23, 1960	39.07	Dec. 27	34.30
May 22	(a)	Sept. 15	37.84	Sept. 27	39.24	Jan. 29, 1964	35.28
June 26	34.53	Oct. 13	36.72	Oct. 28	39.09	Feb. 26	34.45
July 10	34.74	Nov. 15	36.10	Nov. 30	37.08	Mar. 27	34.74
Aug. 14	35.20	Dec. 20	35.30	Dec. 29	36.53	Apr. 23	36.02
Sept. 15	35.75	Jan. 19, 1956	34.10	Jan. 23, 1961	35.72	May 27	36.34
Oct. 22	34.59	Feb. 15	33.49	Feb. 23	35.61	June 29	36.03
Nov. 18	34.47	Mar. 1	33.59	Mar. 30	36.75	July 28	(a)
Dec. 23	34.07	Apr. 19	(a)	Apr. 26	(a)	Aug. 24	38.87
Jan. 7, 1953	33.70	May 21	33.64	May 26	37.19	Sept. 28	(a)
21	33.92	June 21	35.23	June 28	(a)	Oct. 30	32.23
Feb. 11	34.31	July 10	(a)	July 26	(a)	Nov. 18	37.34
Mar. 10	35.03	Aug. 22	36.70	Aug. 25	(a)	Dec. 15	35.80
Apr. 1	35.60	Oct. 3	36.20	Sept. 26	40.30	Jan. 28, 1965	35.46
May 5	36.25	Nov. 2	35.60	Oct. 23	40.11	Feb. 26	(a)
June 9	35.62	Dec. 5	34.74	Nov. 24	38.99	Mar. 31	35.88
July 10	(a)	19	34.76	Dec. 27	36.97	Apr. 29	(a)
Aug. 11	(a)	Jan. 22, 1957	34.88	Feb. 27, 1962	31.93	May 27	36.62
Oct. 19	35.67	Feb. 20	34.08	Mar. 28	31.75	June 30	37.20
Nov. 25	35.29	Mar. 5	33.69	Apr. 25	32.33	July 27	37.31
Feb. 4, 1954	34.64	Apr. 25	(a)	May 29	(a)	Aug. 25	(a)
26	34.55	May 16	34.96	June 28	36.36	Sept. 27	37.83
Mar. 11	35.53	June 12	(a)	July 25	(a)	Oct. 27	37.70
Apr. 8	34.23	July 17	(a)	Aug. 28	37.68	Nov. 30	(a)
May 18	36.35	Aug. 14	38.27				

a Well being pumped.

343630N1202135.1. Local number 6N/33W-9P1 S. Formerly 6/33-9P1. Hollister Estate. Near Lompoc. Drilled unused water-table well in alluvium, diam 16 in, depth 83 ft. Lsd 203.03 ft above msl. Highest water level 21.60 below lsd, Apr. 3, 1941; lowest 55.76 below lsd, Sept. 27, 1961. Records available: 1932-65.

343630N1202135. 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1961	43.72	June 27, 1962	42.74	Aug. 29, 1963	c48.46	Oct. 26, 1964	45.23
Feb. 23	43.40	July 26	c44.52	Sept. 25	50.62	Nov. 24	44.46
Mar. 29	45.63	Aug. 29	45.19	Oct. 28	42.66	Dec. 23	43.85
Apr. 26	45.86	Sept. 26	44.51	Nov. 27	42.08	Jan. 26, 1965	43.26
May 26	c52.88	Oct. 23	43.07	Dec. 27	41.54	Feb. 24	42.80
June 26	c54.69	Nov. 26	49.21	Jan. 22, 1964	41.26	Mar. 26	49.24
July 26	c55.99	Dec. 19	44.20	Feb. 26	40.52	Apr. 29	c48.46
Aug. 25	c57.39	Jan. 29, 1963	46.18	Mar. 26	c44.15	May 25	44.62
Sept. 27	55.76	Feb. 26	42.90	Apr. 24	42.77	June 29	47.16
Dec. 28	52.44	Mar. 26	44.28	May 27	41.88	July 27	c49.34
Jan. 23, 1962	47.48	Apr. 24	41.05	June 24	44.20	Aug. 22	51.18
Feb. 28	44.63	May 24	42.99	July 29	c50.58	Sept. 27	49.07
Mar. 29	41.42	June 24	c44.89	Aug. 26	47.87	Oct. 29	46.93
Apr. 24	40.00	July 24	44.98	Sept. 23	46.52	Dec. 1	45.10
May 28	40.89						

c Nearly well being pumped.

343831N120550. 1. Local number 7N/31W-36L2 S. Formerly 7/31-36L2. D. B. Kilbourne. Near Ballard. Baseline and Grand (Refugio) Aves. Drilled domestic and irrigation water-table well in Paso Robles Formation, diam 12 in depth 230 ft. Lsd 720.62 ft above msl. Highest water level 16.54 below lsd, Apr. 7, 1943; lowest 113.58 below lsd, Oct. 27, 1945. Records available: 1942-65.

Jan. 23, 1961	(a)	Apr. 25, 1962	(a)	July 23, 1963	102.88	Oct. 30, 1964	108.02
Feb. 23	(a)	May 29	b99.53	Aug. 26	108.86	Nov. 18	104.47
Mar. 30	83.67	June 28	99.38	Sept. 24	102.52	Dec. 15	(a)
Apr. 26	b92.91	July 25	100.50	Oct. 24	101.39	Jan. 28, 1965	(a)
May 26	(a)	Aug. 28	b107.22	Nov. 21	98.96	Feb. 26	99.14
June 28	(a)	Sept. 24	109.90	Dec. 30	95.71	Mar. 31	98.70
July 26	(a)	Oct. 24	103.17	Jan. 29, 1964	94.70	Apr. 29	97.39
Aug. 25	(a)	Nov. 23	(a)	Feb. 26	97.02	May 28	(a)
Sept. 26	b105.89	Dec. 20	99.68	Mar. 27	92.38	June 30	110.74
Oct. 23	105.26	Jan. 28, 1963	96.86	Apr. 23	(a)	July 27	(a)
Nov. 24	98.83	Feb. 25	97.15	May 27	b103.12	Aug. 25	c118.05
Dec. 27	93.21	Mar. 28	91.48	June 29	b108.70	Sept. 27	112.88
Jan. 24, 1962	b99.68	Apr. 22	b91.15	July 28	b113.02	Oct. 27	113.58
Feb. 27	87.28	May 28	98.51	Aug. 24	b113.38	Nov. 23	108.61
Mar. 28	84.47	June 25	b107.18	Sept. 28	(a)		

a Well being pumped.

b Well pumped recently.

c Nearly well being pumped.

Lower Santa Ynez Valley

344219N1202506. 1. Local number 7N/34W-12E1 S. Formerly 7/34-12E1. U.S. Geol. Survey. Unior Oil Co., Purisima Lease. Near Lompoc. Drilled observation artesian well in Carcaga Sand, diam 8 to 16 in, depth 385 ft, cased to 385, perforated 145-385 ft. Lsd 385.83 ft above msl. Highest water level 301.70 below lsd, June 25, 1949; lowest 313.06 below lsd, June 30, 1965. Records available: 1949-65.

Jan. 23, 1961	306.18	Mar. 28, 1962	307.39	Apr. 23, 1963	308.35	Nov. 2, 1964	309.99
Feb. 23	306.46	Apr. 25	308.00	June 28	308.25	Dec. 30	309.90
Mar. 29	306.50	May 29	308.20	July 24	308.28	Jan. 28, 1965	310.14
Apr. 26	306.88	June 29	309.10	Aug. 30	308.68	Mar. 29	309.94
May 26	306.01	July 26	308.10	Sept. 27	308.70	Apr. 29	310.38
June 28	306.90	Sept. 27	308.01	Oct. 31	308.84	May 27	310.28
July 26	306.20	Oct. 24	308.00	Nov. 26	308.92	June 30	313.06
Aug. 25	306.01	Dec. 21	308.10	Jan. 29, 1964	309.00	July 27	310.57
Sept. 27	307.14	Jan. 30, 1963	308.10	Feb. 26	308.85	Aug. 24	310.68
Nov. 24	307.22	Feb. 25	308.32	Mar. 30	309.20	Oct. 27	310.80
Jan. 24, 1962	307.19	Mar. 27	308.21	Apr. 24	309.20	Nov. 30	310.92

343944N1202725. 1. Local number 7N/34W-28H2 S. Formerly 7/34-28H2. T. M. Parks. Near Lompoc. Central Ave. and H St. Drilled unused artesian well in alluvium, diam 6 in, depth 78 ft. Lsd 89.55 ft above msl. Highest water level 21.74 below lsd, Mar. 10, 1943; lowest 45.40 below lsd, Aug. 25, 1961. Records available: 1930-39, 1942-61. Measurement discontinued Sept. 28, 1961; replaced by 7N/34W-29E4 S.

Jan. 27, 1961	37.69	Mar. 29, 1961	c42.81	May 26, 1961	c43.22	July 26, 1961	c44.74
Feb. 23	39.54	Apr. 25	c42.95	June 28	c44.02	Aug. 25	c45.40

c Nearly well being pumped.

343948N1202920. 1. Local number 7N/34W-29E4 S. Replaces 7/34-28H2. W. H. Sanor. Near Lompoc. Central and Floradale Aves. Drilled irrigation artesian well in alluvium, diam 16 in, depth 176 ft. Lsd 67.71 ft above msl. Highest water level 18.36 below lsd, Mar. 31, 1953; lowest 48.14 below lsd, July 24, 1963. Records available: 1945-65.

Jan. 30, 1956	20.64	Mar. 21, 1957	22.28	Mar. 31, 1958	18.36	Mar. 27, 1959	(a)
Feb. 27	22.80	Apr. 30	33.90	Apr. 30	20.85	Apr. 30	34.68
Mar. 27	29.58	May 29	33.16	May 29	28.15	May 26	(a)
June 26	27.56	June 26	32.05	June 25	28.29	June 24	35.90
July 26	30.61	July 26	34.98	July 29	30.64	July 31	36.37
Aug. 29	24.60	Aug. 28	33.32	Aug. 29	26.14	Aug. 28	35.18
Sept. 27	23.13	Sept. 27	26.97	Sept. 29	23.49	Sept. 29	30.39
Oct. 26	25.21	Oct. 30	26.14	Oct. 29	25.17	Oct. 28	30.59
Nov. 30	29.30	Nov. 26	28.00	Nov. 26	24.30	Nov. 25	31.75
Dec. 27	25.23	Dec. 30	26.29	Dec. 31	23.57	Dec. 23	31.32
Jan. 31, 1957	25.99	Jan. 31, 1958	24.51	Jan. 30, 1959	22.14	Jan. 28, 1960	26.10
Feb. 27	27.56	Feb. 28	21.11	Feb. 27	20.41	Feb. 26	29.14

343948N1202920.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 31, 1960	37.60	Sept. 26, 1961	43.00	Feb. 26, 1963	33.31	July 31, 1964	(a)
Apr. 29	31.98	Oct. 24	41.55	Mar. 28	32.57	Aug. 27	44.37
May 27	38.74	Nov. 24	36.27	Apr. 23	31.98	Sept. 28	40.69
June 23	42.91	Dec. 28	34.13	May 27	35.14	Oct. 29	37.50
July 28	43.97	Feb. 27, 1962	28.11	June 26	39.69	Nov. 27	34.35
Aug. 25	44.54	Mar. 29	30.36	July 24	48.14	Jan. 28, 1965	31.00
Sept. 29	41.92	Apr. 24	(a)	Sept. 27	39.77	Feb. 26	40.07
Nov. 30	35.38	May 28	37.82	Oct. 31	36.09	Mar. 30	(a)
Dec. 29	33.29	June 29	40.29	Dec. 2	32.80	Apr. 30	37.40
Jan. 24, 1961	a45.10	July 26	43.87	26	34.98	May 27	38.66
Feb. 24	(a)	Aug. 30	43.58	Jan. 23, 1964	33.24	June 30	(a)
Mar. 30	46.15	Sept. 27	41.23	Feb. 28	42.39	July 29	(a)
Apr. 25	(a)	Oct. 23	40.49	Mar. 27	40.63	Aug. 24	38.64
May 26	(a)	Nov. 27	37.65	Apr. 28	(a)	Sept. 29	38.19
June 27	(a)	Dec. 26	31.63	May 27	46.72	Oct. 29	39.00
July 25	(a)	Jan. 30, 1963	34.70	June 25	(a)	Dec. 1	33.90
Aug. 25	44.58						

a Well being pumped.

344043N1203224.2. Local number 7N/35W-23E4 S. Replaces 7N/35W-23J3. U.S. Geol. Survey. Union Sugar Co. property. Near Lompoc. Ocean and Union Sugar Co. Aves. Drilled observation water-table well in alluvium, diam 2 in, depth 28 ft. Lsd 36.90 ft above msl. Highest water level 12.22 below lsd, Mar. 27, 1952; lowest 22.67 below lsd, July 22, 1948. Records available: 1947-65.

Jan. 30, 1956	14.18	May 29, 1958	19.13	Oct. 28, 1960	12.39	Oct. 29, 1963	18.72
Feb. 27	14.14	June 25	18.43	Nov. 30	12.92	Nov. 27	18.63
Mar. 27	14.20	Aug. 29	18.43	Jan. 24, 1961	12.92	Dec. 26	18.58
Apr. 24	c16.40	Sept. 29	c18.38	June 27	c15.29	Jan. 23, 1964	18.51
May 28	14.59	Oct. 29	18.40	Aug. 25	12.96	Feb. 26	18.51
June 26	15.20	Nov. 26	18.43	Oct. 25	13.17	Mar. 26	18.45
July 26	c16.11	Dec. 31	18.42	Nov. 24	21.05	Apr. 24	18.30
Aug. 29	16.44	Jan. 30, 1959	18.38	Dec. 28	20.53	May 27	17.95
Sept. 27	16.44	Feb. 27	17.25	Feb. 26, 1962	19.87	June 25	c18.22
Oct. 23	16.48	Mar. 27	18.33	Mar. 29	19.72	July 29	18.24
Nov. 28	16.48	Apr. 30	18.35	Apr. 24	19.75	Aug. 28	18.20
Dec. 27	16.39	May 26	18.36	May 28	c19.64	Sept. 25	18.18
Jan. 31, 1957	16.45	June 24	c18.30	June 29	19.69	Oct. 28	18.14
Feb. 27	16.45	Aug. 28	c18.23	July 23	19.66	Nov. 25	17.90
Mar. 21	16.30	Sept. 29	18.18	Aug. 30	19.69	Dec. 29	17.81
Apr. 30	16.56	Oct. 28	18.36	Sept. 26	19.69	Jan. 28, 1965	17.73
May 29	16.56	Nov. 25	18.10	Oct. 23	19.64	Feb. 25	17.70
June 26	16.64	Dec. 23	17.53	Nov. 26	19.67	Mar. 30	17.62
July 26	c18.09	Jan. 26, 1960	17.63	Dec. 26	19.65	Apr. 29	17.33
Aug. 29	18.14	Feb. 26	17.94	Jan. 29, 1963	19.57	May 27	17.30
Sept. 27	18.13	Mar. 31	c17.90	Feb. 26	19.45	June 30	17.32
Oct. 30	18.15	Apr. 29	c12.88	Mar. 27	17.60	July 28	17.30
Nov. 26	18.20	May 27	12.88	Apr. 23	18.93	Aug. 23	17.30
Dec. 30	18.55	June 23	12.85	May 27	18.84	Sept. 29	17.29
Jan. 31, 1958	18.48	July 28	12.89	June 26	18.86	Oct. 29	17.27
Feb. 28	18.54	Aug. 25	12.90	July 25	18.83	Dec. 1	16.88
Apr. 30	c18.38	Sept. 29	12.71	Sept. 26	18.78		

c Nearby well being pumped.

344021N1203137.1. Local number 7N/35W-23J2 S. Formerly 7/35-23J2. Union Sugar Co. Near Lompoc. Central and Artesia Aves. Drilled irrigation artesian well in alluvium, diam 12 in, depth 158 ft. Lsd 43.58 ft above msl. Highest water level 11.40 below lsd, Apr. 6, 1958; lowest 31.11 below lsd, July 27, 1950. Records available: 1947-65.

Jan. 24, 1961	a38.18	Mar. 29, 1962	15.56	May 27, 1963	(a)	Nov. 25, 1964	18.32
Feb. 24	18.69	Apr. 24	17.92	June 26	(a)	Dec. 29	(a)
Mar. 30	(a)	May 28	24.14	July 24	22.87	Jan. 28, 1965	20.58
Apr. 25	(a)	June 29	(a)	Aug. 28	(a)	Feb. 25	(a)
May 26	b27.45	July 26	(a)	Sept. 27	24.88	Mar. 30	(a)
June 27	(a)	Aug. 30	20.47	Oct. 28	24.95	Apr. 30	19.18
July 25	(a)	Sept. 26	21.34	Dec. 26	25.34	May 27	20.90
Aug. 25	(a)	Oct. 23	(a)	Feb. 26, 1964	(a)	June 30	26.77
Sept. 29	25.91	Nov. 27	(a)	Apr. 24	23.56	July 28	(a)
Oct. 25	21.90	Dec. 26	17.37	May 27	(a)	Aug. 23	(a)
Nov. 28	21.30	Jan. 30, 1963	17.29	June 25	(a)	Sept. 29	19.54
Dec. 28	19.68	Feb. 26	16.68	Aug. 28	26.86	Oct. 29	(a)
Jan. 23, 1962	18.93	Mar. 27	(a)	Sept. 25	26.00	Dec. 1	24.82
Feb. 26	15.00	Apr. 23	15.41	Oct. 28	22.80		

a Well being pumped.

b Well pumped recently.

343941N1203139.1. Local number 7N/35W-26J4 S. Formerly 7/35-26J4. County of Santa Barbara, Artesia School District. Near Lompoc. Artesia and Central Aves. Drilled public-supply artesian well in alluvium, diam 8 in, depth 141 ft, perforated 132-140. Lsd 40.86 ft above msl. Highest water level 5.76 below lsd, Apr. 29, 1958; lowest 36.40 below lsd, Mar. 29, 1965. Records available: 1947-65.

343941N1203139.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1961	20.38	Apr. 24, 1962	b22.36	July 24, 1963	28.69	Oct. 28, 1964	20.95
Feb. 24	22.99	May 28	15.15	Aug. 28	23.52	Nov. 25	14.52
Mar. 30	29.29	June 27	20.95	Sept. 26	16.33	Dec. 23	13.50
Apr. 25	27.52	July 26	31.39	Oct. 29	19.08	Jan. 28, 1965	12.45
May 26	b31.57	Aug. 30	22.94	Nov. 27	12.74	Feb. 25	20.50
June 27	32.75	Sept. 26	21.26	Dec. 26	12.79	Mar. 29	36.40
July 25	33.09	Oct. 22	22.63	Jan. 23, 1964	13.25	Apr. 29	15.38
Aug. 25	c30.50	Nov. 26	18.26	Feb. 26	27.94	May 27	19.80
Sept. 28	23.13	Dec. 26	17.95	Mar. 26	25.11	June 30	22.16
Oct. 25	18.94	Jan. 29, 1963	14.63	Apr. 24	28.62	July 28	25.09
Nov. 24	17.61	Feb. 26	b22.23	May 27	29.28	Aug. 23	19.34
Dec. 28	b16.17	Mar. 27	16.70	June 25	24.66	Sept. 29	17.38
Jan. 23, 1962	15.42	Apr. 23	11.95	July 31	26.29	Oct. 29	16.79
Feb. 26	10.03	May 27	17.66	Aug. 28	30.12	Nov. 29	12.35
Mar. 29	9.26	June 24	24.16	Sept. 25	23.5	Dec. 27	12.35

b Well pumped recently.

c Nearly well being pumped.

San Antonio Valley

344443N1201645.1. Local number 8N/32W-30H7 S. Replaces 8N/32W-30K2. Los Alamos Community Service District. Near Los Alamos Fire Station. Drilled artesian well in Paso Robles Formation of Pliocene and Pleistocene(?) age, diam 13 in, depth 310 ft. Lsd 563 ft above msf. Highest water level 25.13 below lsd, Jan. 26, 1965; lowest 36.96 below lsd, Aug. 31, 1964. Records available: 1964-65.

June 26, 1964	c36.72	Dec. 30, 1964	33.33	Apr. 28, 1965	(a)	Aug. 31, 1965	35.90
July 24	(a)	Jan. 26, 1965	25.13	May 28	26.70	Sept. 29	c32.44
Aug. 31	36.96	Feb. 25	28.37	June 29	31.27	Oct. 29	c34.38
Sept. 29	33.58	Mar. 31	32.42	July 30	32.72	Nov. 30	c31.98
Oct. 29	(a)						

a Well being pumped.

c Nearly well being pumped.

344438N1201658.1. Local number 8N/32W-30K2 S. Formerly 8/32-30K2. John Parma. Los Alamos. U. S. Highway 101 and Den St. Drilled unused artesian well in alluvium, diam 16 in, depth 100 ft. Lsd about 558 ft above msf. Highest water level 1.16 above lsd, Feb. 29, 1944; lowest 34.00 below lsd, Aug. 30, 1955. Records available: 1943-61. Well destroyed, Aug. 24, 1961; replaced by well 8N/32W-30H7 S. Jan. 25, 1961, 11.57; Feb. 20, 10.30; Mar. 29, 10.63; Apr. 26, 11.46; May 25, 16.26; June 28, 20.43; July 26, 45.40 (nearly well being pumped).

344547N1202529.1. Local number 8N/34W-23B1 S. Formerly 8/34-23B1. Josephine Harris Estate. Near Los Alamos. Harris-Los Alamos Rd. and State Highway 1. Drilled unused artesian well in alluvium, diam 12 in, depth 150 ft. Lsd 315 ft above msf. Highest water level 12.19 below lsd, Feb. 29, 1944; lowest 28.15 below lsd, Aug. 31, 1965. Records available: 1943-65.							
Jan. 25, 1961	c17.36	Aug. 29, 1962	c18.09	Nov. 6, 1963	19.19	Nov. 23, 1964	21.52
Feb. 20	c17.33	Sept. 26	c17.70	29	19.00	Dec. 30	20.93
Mar. 29	c22.55	Oct. 26	c17.52	Dec. 27	18.79	Jan. 26, 1965	20.85
Apr. 26	c23.89	Nov. 27	17.53	Jan. 31, 1964	18.65	Feb. 25	21.37
May 25	20.09	Dec. 20	17.42	Feb. 28	18.50	Mar. 31	25.31
June 28	20.62	Jan. 25, 1963	17.10	Mar. 27	23.00	Apr. 28	21.26
July 26	c24.27	Feb. 27	17.04	Apr. 29	23.10	May 28	24.95
Aug. 24	c20.82	Mar. 26	19.35	May 21	24.62	June 29	22.49
Sept. 27	c19.75	Apr. 26	17.60	June 26	25.89	July 30	27.76
Mar. 29, 1962	c16.57	May 29	17.77	July 24	24.53	Aug. 31	28.15
Apr. 25	c16.49	June 25	20.89	Aug. 31	25.82	Sept. 29	26.20
May 24	c17.04	July 24	21.50	Sept. 29	24.94	Oct. 29	27.05
June 20	c17.15	Aug. 29	c22.52	Oct. 29	22.14	Nov. 30	23.05
July 26	c21.01	Sept. 26	22.03				

c Nearly well being pumped.

Santa Maria Valley

345324N1201842.1. Local number 9N/33W-2A1 S. Formerly 9/33-2A1. Francis J. Calderone. Formerly Santa Maria Realty Co. Garcey. Wicks and Andrews Aves. Drilled irrigation water-table well in alluvium and Paso Robles Formation of Pliocene and Pleistocene(?) age, diam 12 in, depth 220 ft. Lsd 378.72 ft above msf. Highest water level 23.62 below lsd, June 4, 1941; lowest 116.37 below lsd, Nov. 29, 1965. Records available: 1930-33, 1936, 1938-65.

Jan. 1, 1961	g83.60	Jan. 1, 1962	g106.50	Jan. 1, 1963	g80.40	Jan. 1, 1964	g92.70
25	(a)	26	106.68	25	81.36	30	92.98
Feb. 20	85.00	Feb. 26	107.26	Feb. 26	80.67	Feb. 28	93.55
Mar. 29	85.31	Mar. 29	(a)	Mar. 25	81.63	Mar. 27	93.30
Apr. 1	g85.60	Apr. 1	g87.50	Apr. 1	g81.50	Apr. 1	g95.50
26	85.73	25	81.38	26	81.52	28	(a)
May 25	90.52	May 23	79.89	May 28	81.38	May 20	(a)
June 27	92.68	June 20	79.58	June 25	a105.10	June 23	98.67
July 1	g92.50	July 1	g79.70	July 1	g84.00	July 1	g100.0
26	a147.30	27	80.35	24	85.44	23	c103.17
Aug. 23	103.73	Aug. 29	79.72	Aug. 28	87.91	Aug. 27	105.87
Sept. 27	104.65	Sept. 26	78.98	Sept. 28	(a)	Sept. 28	107.86
Oct. 1	g104.40	Oct. 1	g79.50	Oct. 1	g89.60	Oct. 1	g102.7
24	105.01	25	79.25	31	91.01	28	103.26
Nov. 21	105.72	Nov. 27	79.83	Nov. 27	91.53	Nov. 20	109.02
Dec. 27	106.34	Dec. 21	80.58	Dec. 27	92.29	Dec. 29	109.90

345324N1201842.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1965	g109.0	Apr. 1, 1965	g109.5	July 1, 1965	g103.0	Oct. 1, 1965	g113.6
25	108.83	28	106.38	29	c109.17	28	115.79
Feb. 24	108.94	May 27	100.50	Aug. 30	111.92	Nov. 29	116.37
Mar. 30	110.42	June 28	c103.76	Sept. 28	114.09		

a Well being pumped.

c Nearby well being pumped.

g Measurement made by Santa Maria Valley Water Conservation District.

345251N1202707.1. Local number 9N/34W-3N1 S. Formerly 9/34-3N1. City of Santa Maria. Near Orcutt. Drilled unused artesian well in Paso Robles Formation of Pliocene and Pleistocene(?) age, diam 16 in, depth 232 ft, perforated 163-190. Lsd 258 ft above msl. Highest water level 142 below lsd, June 30, July 31, 1937, June 30, 1938; lowest 187.59 below lsd, Dec. 28, 1961. Records available: 1932-34, 1937-41, 1955-65.

Jan. 25, 1961	185.08	Feb. 27, 1962	184.42	Mar. 26, 1963	184.98	Oct. 29, 1964	186.30
Feb. 20	183.84	Mar. 29	184.24	Apr. 26	184.99	Dec. 30	186.18
Mar. 29	183.79	Apr. 25	184.47	May 29	184.97	Feb. 25, 1965	186.91
Apr. 26	184.12	May 24	184.71	July 24	185.48	Mar. 31	186.29
May 25	184.34	June 20	184.94	Aug. 29	185.48	Apr. 28	186.37
June 28	c185.02	July 26	185.10	Sept. 26	185.91	May 28	186.43
July 26	c186.90	Aug. 29	185.22	Nov. 29	181.63	June 29	186.44
Aug. 24	184.93	Sept. 26	185.20	Dec. 27	181.66	July 30	186.58
Sept. 26	184.88	Oct. 26	185.23	Feb. 27, 1964	185.50	Aug. 31	186.75
Oct. 24	184.88	Nov. 27	185.16	Mar. 27	185.53	Sept. 29	186.74
Nov. 22	184.84	Dec. 20	185.17	June 26	185.77	Oct. 29	186.69
Dec. 28	187.59	Jan. 25, 1963	185.07	July 24	186.03	Nov. 30	186.63
Jan. 25, 1962	184.39	Feb. 27	184.81	Sept. 29	186.21		

c Nearby well being pumped.

345616N1202310.1. Local number 10N/33W-19B1 S. Formerly 10/33-19B1. Owen T. Rice. Near Santa Maria. Battles and East Stowell Rds. Drilled irrigation water-table well in alluvium and Paso Robles Formation of Pliocene and Pleistocene(?) age, diam 16 in, depth 307 ft, perforated 92-97. Lsd 275 ft above msl. Highest water level 73.31 below lsd, Sept. 2, 1943; lowest 191.3 below lsd, Aug. 30, 1965. Records available: 1927, 1929-65.

Jan. 1, 1961	g152.20	Apr. 1, 1962	g162.30	June 25, 1963	144.60	Oct. 1, 1964	g179.0
25	157.50	25	(a)	July 1	g144.40	28	176.6
Feb. 21	(a)	May 23	(a)	23	152.40	Nov. 19	160.9
Mar. 29	(a)	June 20	(a)	Aug. 28	160.10	Dec. 29	166.0
Apr. 1	g162.90	July 1	g175.40	Sept. 26	156.60	Jan. 1, 1965	g164.7
26	(a)	27	a177.60	Oct. 1	g155.40	25	161.9
May 25	(a)	Aug. 29	174.00	30	148.00	Feb. 24	164.1
July 1	g177.00	Sept. 26	157.80	Nov. 27	151.60	Mar. 30	171.1
26	180.90	Oct. 1	g157.50	Jan. 1, 1964	g153.70	Apr. 1	g167.4
Aug. 23	(a)	25	145.90	30	145.50	28	165.5
Sept. 27	(a)	Nov. 26	134.90	Feb. 27	123.10	May 27	167.0
Oct. 1	g178.90	Dec. 21	127.50	Mar. 26	150.80	June 29	b189.6
24	178.10	Jan. 1, 1963	g126.60	Apr. 1	g150.30	July 1	g180.5
Nov. 21	(a)	26	(a)	28	119.80	29	184.2
Dec. 27	b182.62	Feb. 26	127.70	May 20	(a)	Aug. 30	191.3
Jan. 1, 1962	g167.20	Mar. 25	128.70	June 23	121.1	Sept. 28	184.1
26	(a)	Apr. 1	g128.20	July 1	g171.7	Oct. 1	185.0
Feb. 26	(a)	26	119.70	23	b178.5	28	185.5
Mar. 29	163.09	May 28	124.10	Sept. 28	178.7	Nov. 29	(a)

a Well being pumped.

b Well pumped recently.

g Measurement made by Santa Maria Valley Water Conservation District.

345647N1202600.1. Local number 10N/34W-14E2 S. Formerly 10/34-14E2. City of Santa Maria. Santa Maria Valley RR. and U. S. Highway 101. Drilled unused water-table well in alluvium, diam 16 in, depth 182 ft. Lsd 225 ft above msl. Highest water level 104.10 below lsd, Jan. 7, 1942; lowest 191.27 below lsd, July 26, 1962. Records available: 1942, 1955-65. Measurement discontinued; well destroyed Feb. 24, 1965.

Jan. 25, 1961	c161.67	Feb. 26, 1962	173.55	Feb. 27, 1963	c158.33	Feb. 27, 1964	162.20
Feb. 20	c161.65	Mar. 29	171.23	Mar. 26	c158.04	Mar. 27	161.41
Mar. 29	c162.92	Apr. 25	c178.89	Apr. 26	c157.10	Apr. 28	161.97
Apr. 26	c163.30	May 24	c174.99	May 23	157.05	May 21	162.62
May 25	c167.23	June 20	c186.85	June 24	159.35	June 24	164.07
June 28	c168.00	July 26	191.27	July 24	161.16	July 23	165.95
July 26	c170.91	Aug. 29	c194.84	Aug. 28	163.54	Aug. 28	168.54
Aug. 24	c177.50	Sept. 26	c169.43	Sept. 26	c164.18	Sept. 29	169.15
Sept. 27	c182.28	Oct. 26	164.93	Oct. 31	162.13	Oct. 28	169.89
Oct. 26	175.24	Nov. 27	163.77	Nov. 27	162.69	Nov. 20	169.84
Nov. 21	176.25	Dec. 21	162.37	Dec. 26	161.59	Dec. 29	170.10
Dec. 28	c181.40	Jan. 25, 1963	c161.10	Jan. 30, 1964	161.47	Jan. 26, 1965	169.43
Jan. 25, 1962	172.03						

c Nearby well being pumped.

345742N1203625.1. Local number 10N/35W-7F1 S. Formerly 10/35-7F1. M. J. Ellis. Near Guadalupe. Drilled domestic and irrigation artesian well in alluvium and Paso Robles Formation of Pliocene and Pleistocene(?) age, diam 12 in, depth 249 ft, perforated 140-145, 200-225. Lsd 48 ft above msl. Highest water level flowing, Dec. 30, 1943, Feb. 29, 1944; lowest 31.70 below lsd, Aug. 31, 1965. Records available: 1929-36, 1938-65.

345742N1203625.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1961	g19.40	Apr. 1, 1962	bg16.40	July 1, 1963	bg20.70	Oct. 1, 1964	g27.8
25	20.59	25	(a)	24	26.08	29	22.90
Feb. 20	a64.68	May 24	23.91	Aug. 29	(a)	Nov. 23	(a)
Mar. 29	(a)	June 20	(a)	Sept. 26	(a)	Dec. 30	21.00
Apr. 1	g23.40	July 1	g25.50	Oct. 1	bg29.60	Jan. 1, 1965	g19.0
26	(a)	26	26.73	31	20.10	26	17.56
May 25	(a)	Aug. 29	25.38	Nov. 29	16.20	Feb. 25	(a)
June 28	25.02	Sept. 26	22.72	Dec. 27	19.17	Mar. 31	22.19
July 1	bg37.40	Oct. 1	g24.00	Jan. 1, 1964	g19.80	Apr. 1	g20.2
26	(a)	26	22.00	31	15.90	28	21.67
Aug. 24	b24.55	Nov. 27	(a)	Feb. 28	22.34	May 28	(a)
Sept. 26	25.48	Dec. 20	18.01	Mar. 27	17.54	June 29	26.77
Oct. 1	g25.20	Jan. 1, 1963	g19.10	Apr. 1	g16.70	July 1	g26.8
24	25.85	25	21.94	29	(a)	30	30.42
Nov. 22	19.29	Feb. 27	16.19	May 21	24.07	Aug. 31	31.70
Dec. 28	17.64	Mar. 26	15.79	June 26	27.45	Sept. 29	(a)
Jan. 1, 1962	g23.40	Apr. 1	g15.80	July 1	g26.4	Oct. 1	g27.5
25	16.76	26	15.09	24	(a)	29	(a)
Feb. 27	14.64	May 29	20.33	Aug. 28	29.41	Nov. 30	21.35
Mar. 29	(a)	June 25	(a)	Sept. 26	(a)		

a Well being pumped.

b Well pumped recently.

g Measurement made by Santa Maria Valley Water Conservation District.

Cuyama Valley

345045N1192842.1. Local number 9N/24W-19Q1 S. Formerly 9/24-19Q1. S. Knittle. Drilled unused water-table well in alluvium, diam 6 in, depth 90 ft. Lsd 2,784.19 ft above msl. Highest water level 16.13 below lsd, May 30, 1944; lowest 83.58 below lsd, Jan. 29, 1958. Records available: 1941-64. Measurement discontinued June 23, 1964.

Jan. 24, 1961	72.97	Dec. 27, 1961	72.60	Nov. 26, 1962	72.75	Sept. 25, 1963	76.75
Feb. 21	72.20	Jan. 26, 1962	72.70	Dec. 21	71.34	Oct. 29	78.64
Mar. 30	74.03	Feb. 23	72.56	Jan. 24, 1963	71.37	Nov. 26	79.30
Apr. 25	74.40	Mar. 28	70.46	Feb. 26	72.81	Dec. 26	79.69
May 24	71.58	Apr. 26	68.11	Mar. 25	72.72	Jan. 30, 1964	c81.98
June 27	70.12	May 23	68.03	Apr. 25	73.31	Feb. 27	73.18
July 25	69.97	June 21	68.77	May 28	73.95	Mar. 26	73.38
Aug. 23	71.86	July 27	71.25	June 24	74.65	Apr. 27	73.81
Sept. 26	72.41	Aug. 30	71.20	July 23	75.05	May 20	75.20
Oct. 24	72.76	Sept. 25	73.06	Aug. 28	75.96	June 23	77.38
Nov. 21	72.50	Oct. 25	72.91				

c Nearly well being pumped.

345455N1193542.1. Local number 10N/25W-30P1 S. Formerly 10/25-30P1. Presseler and Kirschenmann. About 2 mi southeast of Cuyama. Drilled unused artesian well in alluvium and older continental deposits, diam 16 in, depth 400 ft. Lsd 2,340 ft above msl. Highest water level 109.55 below lsd, Jan. 30, 1957; lowest 167.50 below lsd, July 27, 1962. Records available: 1955-65.

Jan. 24, 1961	c133.69	Apr. 26, 1962	138.87	Aug. 28, 1963	c158.30	Oct. 28, 1964	c160.9
Feb. 21	c140.22	June 21	153.80	Sept. 25	153.40	Nov. 19	151.6
Mar. 30	c142.89	July 27	167.50	Oct. 30	145.80	Dec. 29	149.2
Apr. 25	c144.36	Aug. 30	c163.20	Nov. 26	140.00	Jan. 25, 1965	148.9
May 24	c148.75	Sept. 25	155.40	Dec. 26	140.10	Feb. 24	c158.8
June 27	c152.88	Oct. 25	146.60	Jan. 30, 1964	138.40	Mar. 30	c151.7
July 25	154.71	Nov. 26	141.90	Feb. 27	144.20	Apr. 27	c159.0
Aug. 23	152.25	Jan. 24, 1963	142.15	Mar. 26	144.10	May 27	155.9
Sept. 26	151.67	Feb. 26	136.14	Apr. 27	148.30	June 28	c167.0
Oct. 24	149.16	Mar. 25	c143.07	May 20	153.6	July 29	c166.7
Nov. 21	139.95	Apr. 25	c144.88	June 23	157.9	Aug. 26	c166.5
Dec. 27	143.40	May 28	c147.65	July 23	c163.4	Sept. 28	165.2
Jan. 26, 1962	135.60	June 24	152.60	Aug. 27	163.8	Oct. 28	c166.8
Feb. 23	133.89	July 23	c156.90	Sept. 28	c164.8	Nov. 29	157.7
Mar. 28	c143.88						

c Nearly well being pumped.

345732N1194231.1. Local number 10N/27W-12R1 S. Formerly 10/27-12R1. William Kirschenmann Estate. Drilled domestic and irrigation water-table well in alluvium, diam 12 in, depth 131 ft, cased to 131, perforated 53-128. Lsd 2,045 ft above msl. Highest water level 38.58 below lsd, Apr. 28, 1942; lowest 85.60 below lsd, Nov. 29, 1965. Records available: 1941-65.

Jan. 24, 1961	71.38	Jan. 26, 1962	67.92	Feb. 26, 1963	(a)	Feb. 27, 1964	73.50
Feb. 21	70.77	Feb. 23	66.14	Mar. 25	72.95	Mar. 26	73.03
Mar. 30	65.85	Mar. 28	b74.93	Apr. 25	72.61	Apr. 27	75.37
Apr. 25	(a)	Apr. 26	(a)	May 28	72.46	May 20	72.74
May 24	67.09	June 21	73.40	June 24	(a)	June 23	(a)
June 27	72.42	July 27	77.40	July 23	76.80	July 23	78.85
July 25	(a)	Aug. 30	76.80	Aug. 28	79.63	Aug. 27	(a)
Aug. 23	74.81	Sept. 25	(a)	Sept. 25	79.71	Sept. 28	81.60
Sept. 26	77.53	Oct. 25	75.90	Oct. 30	77.77	Oct. 28	78.97
Oct. 24	(a)	Nov. 26	75.50	Nov. 26	75.72	Nov. 19	76.93
Nov. 21	(a)	Dec. 21	77.78	Dec. 26	72.50	Dec. 29	74.48
Dec. 27	69.71	Jan. 24, 1963	76.30	Jan. 30, 1964	69.82	Jan. 25, 1965	(a)

345732N1194231. 1.--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24, 1965	77.00	May 27, 1965	(a)	Aug. 26, 1965	83.35	Oct. 28, 1965	85.05
Mar. 30	(a)	June 28	b80.05	Sept. 28	85.55	Nov. 29	85.60
Apr. 27	71.59	July 29	81.55				

a Well being pumped.

b Well pumped recently.

Siskiyou County

Scott Valley

412722N1225225.1. Local number 42N/9W-27N1 M. Formerly 42/9-27N1. J. Starr. About 1 mi east of Etna. Dug unused water-table well in younger alluvium of Quaternary age, size 5 × 5 ft, depth 19 ft. Led 2,930 ft above msl. Highest water level 0.84 below lsd, May 22, 1963; lowest 9.8 below lsd, Sept. 23, 1959. Records available: 1953-54, 1958-65.

Jan. 25, 1961	2.0	May 25, 1962	2.06	July 12, 1963	3.09	Sept. 17, 1964	8.61
Feb. 22	2.1	June 27	2.10	Aug. 21	6.93	Oct. 15	9.38
Mar. 29	2.3	July 26	6.26	Sept. 20	8.00	Nov. 19	6.88
Apr. 28	1.8	Aug. 22	8.13	Oct. 25	6.31	Dec. 17	1.59
May 17	1.6	Sept. 21	8.59	Nov. 22	4.05	Jan. 21, 1965	1.80
June 28	1.3	Oct. 23	7.64	Dec. 17	4.63	Feb. 18	3.29
July 27	6.1	Nov. 28	3.16	Jan. 17, 1964	2.18	Mar. 18	4.23
Sept. 29	8.9	Dec. 18	2.21	Feb. 27	3.20	Apr. 16	4.47
Oct. 24	7.17	Jan. 23, 1963	5.30	Mar. 19	3.89	May 20	3.12
Nov. 29	1.30	Feb. 20	3.43	Apr. 16	2.37	June 16	1.88
Dec. 28	1.50	Mar. 21	3.09	May 14	1.10	July 15	3.08
Jan. 25, 1962	1.82	Apr. 25	1.83	June 18	1.61	Aug. 17	5.61
Feb. 27	2.69	May 22	0.84	July 16	3.17	Sept. 25	6.74
Mar. 27	3.34	June 20	2.01	Aug. 21	7.20	Dec. 3	2.76
Apr. 27	3.13						

413746N1225324.1. Local number 44N/9W-28P1 M. Formerly 44/9-28P1. R. H. Dilley. Formerly F. R. Simpson. About 3 mi northeast of Ft. Jones. Drilled unused water-table well in younger alluvium of Quaternary age, diam 8 in, depth 65 ft. Led 2,711 ft above msl. Highest water level 3.78 below lsd, Apr. 16, 1964; lowest 26.7 below lsd, Dec. 17, 1959, Jan. 28, 1960. Records available: 1953-54, 1958-65.

Jan. 25, 1961	18.8	Mar. 27, 1962	7.78	Aug. 21, 1963	11.90	Nov. 19, 1964	26.18
Feb. 22	10.5	Apr. 26	8.20	Sept. 20	9.94	Dec. 17	26.14
Mar. 29	8.8	May 25	6.15	Nov. 22	25.00	Jan. 21, 1965	8.25
Apr. 28	6.4	June 27	7.18	Dec. 17	21.35	Feb. 18	3.90
May 17	7.5	July 26	6.61	Jan. 17, 1964	23.16	Mar. 18	7.86
June 28	10.3	Aug. 22	10.42	Feb. 27	9.00	Apr. 16	9.56
July 27	10.8	Sept. 21	17.25	Mar. 19	9.53	May 20	5.82
Aug. 30	11.7	Oct. 23	24.25	Apr. 16	3.78	June 16	7.02
Sept. 29	20.74	Nov. 28	20.76	May 14	3.82	July 15	8.30
Oct. 24	24.52	Dec. 18	21.01	June 18	9.80	Aug. 17	15.74
Nov. 28	26.38	Jan. 23, 1963	12.25	July 16	8.00	Sept. 25	14.52
Dec. 28	25.14	Feb. 20	8.44	Aug. 21	9.28	Oct. 29	23.79
Jan. 25, 1962	20.30	Mar. 21	9.98	Sept. 17	14.25	Dec. 3	26.10
Feb. 27	11.16	Apr. 25	9.35	Oct. 15	22.83		

Shasta Valley

412955N1223105.1. Local number 42N/6W-10J1 M. Formerly 42/6-10J1. G. G. Maxwell. About 8 mi northwest of Weed. Drilled domestic water-table well in pyroclastics, diam 6 in, depth 110 ft. Led 2,835 ft above msl. Highest water level 1.42 below lsd, Apr. 27, 1962; lowest 15.9 below lsd, Sept. 21, 1960. Records available: 1953-54, 1958-65.

Jan. 25, 1961	8.0	Apr. 27, 1962	1.42	July 12, 1963	5.76	Oct. 15, 1964	15.21
Feb. 22	6.9	May 25	2.14	Aug. 21	8.42	Nov. 19	13.50
Mar. 29	6.5	June 27	4.75	Sept. 20	10.25	Dec. 17	8.22
Apr. 28	2.3	July 26	6.30	Oct. 25	9.43	Jan. 21, 1965	2.60
May 17	1.7	Aug. 23	10.13	Nov. 22	8.28	Feb. 18	4.99
June 28	a14.1	Sept. 21	13.32	Dec. 16	8.72	Mar. 18	5.40
July 28	9.5	Oct. 23	14.44	Jan. 17, 1964	9.20	Apr. 16	4.62
Aug. 30	13.1	Nov. 28	6.93	Feb. 27	8.05	May 20	2.66
Sept. 28	14.02	Dec. 17	6.72	Mar. 19	6.02	June 17	4.17
Oct. 25	13.06	Jan. 23, 1963	6.13	Apr. 16	3.07	July 15	6.37
Nov. 29	11.31	Feb. 20	3.95	May 14	4.51	Aug. 17	7.15
Dec. 28	7.75	Mar. 21	5.10	June 18	4.52	Sept. 25	7.90
Jan. 25, 1962	6.68	Apr. 25	4.90	July 16	8.98	Oct. 28	10.34
Feb. 28	6.45	May 22	3.74	Aug. 21	13.26	Dec. 3	9.86
Mar. 28	6.21	June 20	2.96	Sept. 17	14.62		

a Well being pumped.

413716N1222356.1. Local number 44N/5W-34H1 M. Formerly 44/5-34H1. Henry Silva. About 1.8 mi north of Big Springs. Drilled irrigation water-table well in Plutas Cave Basalt of Holocene age, diam 16 in, depth 96 ft. Led 2,637 ft above msl. Highest water level 23.46 below lsd, Sept. 28, 1961; lowest 32.6 below lsd, Apr. 28, 1961. Records available: 1953-54, 1958-65.

Jan. 24, 1961	28.6	Aug. 30, 1961	(a)	Mar. 25, 1962	29.59	Oct. 23, 1962	28.28
Feb. 22	29.4	Sept. 28	23.46	Apr. 27	(a)	Nov. 28	26.85
Mar. 28	29.4	Oct. 25	26.13	May 24	26.90	Dec. 17	27.01
Apr. 28	32.6	Nov. 29	27.47	June 26	(a)	Jan. 23, 1963	28.31
May 17	28.9	Dec. 28	27.98	July 26	25.60	Feb. 20	28.87
June 28	(a)	Jan. 25, 1962	28.88	Aug. 23	(a)	Mar. 21	28.10
July 27	25.1	Feb. 28	28.97	Sept. 21	26.51	Apr. 25	28.58

413710N1222356.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 22, 1963	(a)	Jan. 17, 1964	26.86	Sept. 17, 1964	24.83	May 20, 1965	(a)
June 20	26.48	Feb. 27	27.98	Oct. 15	25.31	June 17	25.96
July 12	26.46	Mar. 19	29.02	Nov. 19	26.56	July 15	24.82
Aug. 21	(a)	Apr. 16	(a)	Dec. 17	27.74	Aug. 17	23.52
Sept. 20	24.25	May 14	28.35	Jan. 21, 1965	26.97	Sept. 25	25.21
Oct. 25	25.18	June 18	26.47	Feb. 18	27.52	Oct. 28	25.18
Nov. 21	26.88	July 16	(a)	Mar. 18	28.45	Dec. 3	26.36
Dec. 16	27.91	Aug. 21	(a)	Apr. 16	27.63		

a Well being pumped.

414410N1223529.1. Local number 45N/6W-19E1 M. Formerly 45/6-19E1. George Weldon. About 3 mi east of Yreka. Drilled domestic water-table well in Chico Formation of Late Cretaceous age, diam 16 in, depth 425 ft. Lsd 2,538 ft above msl. Highest water level 15.44 below lsd, Mar. 21, 1963; lowest 31.4 below lsd, July 27, 1961. Records available: 1953-54, 1958-65.

Jan. 24, 1961	19.8	Apr. 27, 1962	16.99	July 12, 1963	16.90	Oct. 15, 1964	20.79
Feb. 21	18.4	May 24	a26.86	Aug. 21	18.12	Nov. 19	19.09
Mar. 28	18.6	June 27	19.85	Sept. 20	22.07	Dec. 17	19.31
Apr. 28	16.8	July 26	21.67	Oct. 25	17.24	Jan. 21, 1965	17.17
May 16	19.5	Aug. 23	21.28	Nov. 21	19.76	Feb. 18	16.88
June 28	20.6	Sept. 21	26.54	Dec. 16	19.45	Mar. 18	17.12
July 27	31.4	Oct. 23	20.20	Jan. 17, 1964	19.48	Apr. 16	18.14
Aug. 30	19.5	Nov. 28	18.12	Feb. 27	18.99	May 20	17.77
Sept. 28	20.22	Dec. 17	17.80	Mar. 19	18.46	June 17	18.29
Oct. 25	19.41	Jan. 23, 1963	18.55	Apr. 16	18.87	July 15	22.94
Nov. 29	19.78	Feb. 20	16.63	May 14	18.55	Aug. 17	22.47
Dec. 27	19.30	Mar. 21	15.44	June 18	18.76	Sept. 25	a20.43
Jan. 25, 1962	18.99	Apr. 25	17.02	July 16	19.36	Oct. 28	19.18
Feb. 28	17.44	May 22	16.98	Aug. 21	18.89	Dec. 3	19.78
Mar. 28	b18.22	June 20	17.55	Sept. 17	27.85		

a Well being pumped.

b Well pumped recently.

Butte Valley

415105N1215459.1. Local number 46N/1E-6N1 M. Formerly 46/1E-6N1. L. Luzzi. About 4 mi west-northwest of Macdoel. Drilled irrigation water-table well in lake deposits, diam 18 in, depth 200 ft. Lsd 4,242.4 ft above msl. Highest water level 16.03 below lsd, Sept. 17, 1964; lowest 30.97 below lsd, Aug. 21, 1964. Records available: 1953-54, 1958-65.

Jan. 25, 1961	21.9	May 25, 1962	23.12	Aug. 21, 1963	29.53	Oct. 15, 1964	24.34
Feb. 22	20.8	June 27	28.50	Sept. 20	24.31	Nov. 19	23.06
Mar. 29	20.7	July 26	30.90	Oct. 25	22.39	Dec. 17	22.43
Apr. 28	19.9	Aug. 23	28.45	Nov. 22	21.42	Jan. 20, 1965	20.77
May 17	24.7	Sept. 21	24.55	Dec. 16	20.90	Feb. 18	19.42
June 28	27.3	Oct. 22	23.65	Jan. 17, 1964	20.53	Mar. 18	19.02
July 28	30.4	Nov. 28	22.40	Feb. 27	20.14	Apr. 16	18.73
Aug. 30	30.6	Jan. 23, 1963	21.16	Mar. 19	19.78	May 20	25.82
Sept. 29	18.72	Feb. 20	20.75	Apr. 16	19.77	June 17	24.41
Oct. 25	23.37	Mar. 21	20.21	May 14	27.11	July 15	27.29
Nov. 29	22.45	Apr. 25	19.67	June 18	21.33	Aug. 17	30.56
Dec. 28	22.00	May 22	24.01	July 16	24.32	Sept. 25	22.99
Jan. 25, 1962	23.44	June 20	21.80	Aug. 21	30.97	Oct. 28	21.83
Feb. 28	20.24	July 12	22.88	Sept. 17	16.03	Dec. 3	20.94

415523N1215638.1. Local number 47N/1W-14B1 M. Formerly 47/1W-14B1. U. S. Bureau of Reclamation. About 3.4 mi southwest of Dorris. Drilled observation water-table well in lake deposits, diam 2 in, depth 50 ft. Lsd 4,233.7 ft above msl. Highest water level 7.50 below lsd, Feb. 18, 1965; lowest 18.5 below lsd, Nov. 26, 1951. Records available: 1951-54, 1958-65.

Feb. 22, 1961	12.8	May 25, 1962	13.15	Aug. 21, 1963	12.05	Oct. 15, 1964	12.75
Mar. 29	12.9	June 27	14.17	Sept. 20	12.20	Nov. 19	12.83
Apr. 28	13.0	July 26	12.28	Oct. 25	12.33	Dec. 17	12.85
May 17	12.99	Aug. 23	12.15	Nov. 22	12.38	Jan. 20, 1965	8.49
June 28	13.00	Sept. 21	12.81	Dec. 16	12.46	Feb. 18	7.50
July 28	13.10	Oct. 23	12.83	Jan. 17, 1964	13.38	Mar. 18	9.70
Aug. 30	13.2	Nov. 28	10.61	Feb. 27	12.30	Apr. 16	10.16
Sept. 29	13.18	Dec. 17	10.70	Mar. 19	12.25	May 20	10.34
Oct. 25	13.36	Jan. 23, 1963	12.34	Apr. 16	12.31	June 17	10.53
Nov. 29	13.39	Feb. 20	11.75	May 14	12.34	July 15	11.10
Dec. 28	13.12	Mar. 21	11.93	June 18	12.27	Aug. 17	10.61
Jan. 25, 1962	13.19	Apr. 25	11.90	July 16	12.35	Sept. 25	10.74
Feb. 28	11.69	May 22	11.93	Aug. 21	12.55	Oct. 28	10.85
Mar. 28	11.84	June 20	11.92	Sept. 17	12.66	Dec. 3	10.93
Apr. 27	12.09	July 12	11.95				

415802N1215708.1. Local number 48N/1W-26N1 M. Formerly 48/1W-26N1. Fairless. About 2 mi west of Dorris. Drilled domestic water-table well in lake deposits, diam 10 in, depth 375 ft, open bottom. Lsd 4,244.2 ft above msl. Highest water level 7.74 below lsd, Feb. 18, 1965; lowest 25.11 below lsd, Nov. 28, 1962. Records available: 1953-54, 1958-65.

415802N1215706, 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1961	20.3	Apr. 27, 1962	17.88	July 12, 1963	18.74	Oct. 14, 1964	20.59
Feb. 22	19.8	May 28	17.46	Aug. 21	20.09	Nov. 19	20.36
Mar. 29	19.2	June 27	20.84	Sept. 20	20.53	Dec. 17	19.93
Apr. 28	18.2	July 26	19.10	Oct. 25	19.50	Jan. 20, 1965	9.63
May 17	19.6	Aug. 23	20.25	Nov. 22	19.05	Feb. 18	7.74
June 28	19.3	Sept. 21	20.81	Dec. 16	19.12	Mar. 18	9.14
July 28	20.3	Oct. 22	20.62	Jan. 17, 1964	18.94	Apr. 16	9.87
Aug. 30	a31.8	Nov. 28	25.11	Feb. 27	18.27	May 20	11.31
Sept. 29	19.97	Dec. 17	24.53	Mar. 19	16.34	June 17	12.80
Oct. 25	21.05	Jan. 23, 1963	19.84	Apr. 16	16.03	July 15	a23.73
Nov. 29	22.08	Feb. 20	17.88	May 14	16.40	Aug. 17	17.95
Dec. 28	b36.64	Mar. 21	12.23	June 18	17.32	Sept. 25	17.74
Jan. 25, 1962	21.89	Apr. 25	16.49	July 16	18.55	Oct. 28	18.23
Feb. 28	a38.28	May 22	(a)	Aug. 21	23.80	Dec. 3	22.95
Mar. 28	20.18	June 20	17.78	Sept. 17	20.86		

a Well being pumped.

b Well pumped recently.

Solano County

Putah and Suisun-Fairfield Area

381453N1220710.1. Local number 5N/2W-30J1 M. Replaces 6/1W-11G1. R. P. Robbins. About 3 mi west of Fairfield. Drilled irrigation well in alluvium, diam 12 in, depth 220 ft. Lsd 65 ft above msl. Highest water level 16.52 below lsd, June 14, 1965; lowest 41.8 below lsd, Feb. 8, 1960. Records available: 1959-65.

Nov. 6, 1959	39.8	June 7, 1961	(a)	Dec. 3, 1962	24.00	June 15, 1964	19.48
Dec. 4	40.9	July 6	32.50	Jan. 2, 1963	23.90	July 13	17.55
Jan. 8, 1960	41.7	Aug. 7	29.43	Feb. 12	21.25	Aug. 17	19.93
Feb. 8	41.8	Sept. 6	29.59	Mar. 5	20.35	Sept. 14	20.01
Mar. 2	39.1	Oct. 3	28.58	Apr. 16	18.90	Oct. 12	20.90
Apr. 5	37.5	Nov. 6	27.94	May 13	18.90	Nov. 16	22.06
May 4	36.2	Dec. 4	28.32	June 6	20.51	Dec. 14	23.54
June 1	(a)	Jan. 11, 1962	28.95	July 8	20.28	Jan. 18, 1965	18.36
July 6	(a)	Feb. 12	28.36	Aug. 12	20.44	Feb. 15	19.07
Aug. 3	37.2	Mar. 8	25.01	Sept. 16	22.97	Mar. 15	20.37
Sept. 6	35.7	Apr. 18	24.70	Oct. 21	23.58	Apr. 13	21.58
Oct. 6	35.9	May 9	(a)	Nov. 18	23.46	May 17	30.76
Nov. 3	36.5	June 11	(a)	Dec. 20	23.45	June 14	16.52
Dec. 8	37.1	July 10	26.85	Jan. 13, 1964	23.88	July 12	18.22
Jan. 5, 1961	37.5	Aug. 14	24.69	Feb. 24	22.95	Aug. 16	17.92
Feb. 2	36.9	Sept. 4	24.24	Mar. 16	23.32	Sept. 20	19.43
Mar. 2	35.3	Oct. 9	26.10	Apr. 13	23.15	Nov. 11	(a)
Apr. 4	33.87	Nov. 14	23.77	May 11	20.20	Dec. 9	22.29
May 2	(a)						

a Well being pumped.

Sonoma County

Sonoma Valley

381709N1222938.1. Local number 5N/5W-8Q1 M. Formerly 5/5-8Q1. O. H. Thomas. About half a mi east of Sonoma. Drilled irrigation water-table well in alluvium, diam 8 in, depth 500 ft. Lsd 107 ft above msl. Highest water level 0.5 above lsd, Apr. 4, 1950; lowest 32.13 below lsd, Nov. 6, 1961. Records available: 1950, 1952-54, 1956-62. Measurement discontinued, Mar. 8, 1962; replaced by 5N/5W-17C1 M.

Jan. 5, 1961	12.3	May 2, 1961	11.6	Sept. 6, 1961	25.6	Jan. 11, 1962	11.61
Feb. 2	9.8	June 7	13.9	Oct. 3	28.59	Feb. 12	10.1
Mar. 2	9.1	July 6	14.6	Nov. 6	32.13	Mar. 8	7.65
Apr. 4	9.6	Aug. 7	18.3	Dec. 4	12.51		

381700N1222614.1. Local number 5N/5W-17C1 M. Replaces 5/5-8Q1. L. McNeil. About half a mi north of Vineburg. Drilled unused water-table well in alluvium, diam 6 in, depth 64 ft. Lsd 85 ft above msl. Highest water level 11.84 below lsd, Feb. 12, 1963; lowest 23.67 below lsd, Oct. 12, 1964. Records available: 1962-65.

June 11, 1962	14.34	May 13, 1963	18.70	Apr. 13, 1964	16.60	Feb. 15, 1965	16.45
July 10	13.04	June 6	15.26	May 11	16.56	Mar. 15	15.30
Aug. 14	18.70	July 8	18.43	June 16	19.44	Apr. 14	16.70
Sept. 4	19.20	Aug. 12	19.93	July 13	20.04	May 18	18.11
Oct. 9	19.46	Sept. 16	22.45	Aug. 18	22.94	June 14	19.86
Nov. 14	16.97	Oct. 22	20.12	Sept. 14	19.09	July 12	20.67
Dec. 3	17.30	Nov. 18	18.40	Oct. 12	23.67	Aug. 16	18.62
Jan. 2, 1963	14.10	Dec. 19	17.50	Nov. 16	22.30	Sept. 21	21.02
Feb. 12	11.84	Jan. 14, 1964	15.50	Dec. 14	18.78	Nov. 11	18.70
Mar. 5	(a)	Feb. 24	13.75	Jan. 18, 1965	19.37	Dec. 10	18.75
Apr. 16	11.95	Mar. 16	16.98				

a Well being pumped.

381452N1222648.1. Local number 5N/5W-29N1 M. Formerly 5/5-29N1. P. Swartz. Formerly Mol'. About 2.8 mi south of Sonoma. Drilled irrigation water-table well in alluvium, diam 10 in, depth 100 ft. Lsd 16 ft above msl. Highest water level 3.13 below lsd, Apr. 16, 1963; lowest 19.60 below lsd, Jan. 2, 1963. Records available: 1951-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1961	11.6	Apr. 18, 1962	7.10	July 8, 1963	8.51	Oct. 12, 1964	12.30
Feb. 2	10.0	May 9	7.96	Aug. 12	9.70	Nov. 16	11.02
Mar. 2	9.1	June 11	9.34	Sept. 16	10.71	Dec. 14	11.03
Apr. 4	8.8	July 10	10.45	Oct. 22	11.08	Jan. 18, 1965	5.15
May 2	9.2	Aug. 14	11.55	Nov. 18	10.62	Feb. 15	6.00
June 7	10.0	Sept. 4	11.11	Dec. 19	9.14	Mar. 15	6.82
July 6	11.3	Oct. 9	12.65	Jan. 14, 1964	10.32	Apr. 14	6.86
Aug. 7	12.3	Nov. 14	10.61	Feb. 24	8.28	May 18	7.50
Sept. 6	12.2	Dec. 3	10.49	Mar. 16	8.80	June 14	8.49
Oct. 3	12.79	Jan. 2, 1963	19.60	Apr. 13	8.85	July 12	9.55
Nov. 6	13.00	Feb. 12	5.41	May 11	9.45	Aug. 16	10.49
Dec. 4	11.48	Mar. 5	6.10	June 16	10.07	Sept. 21	11.54
Jan. 11, 1962	11.76	Apr. 16	3.13	July 13	10.68	Nov. 11	11.88
Feb. 12	10.14	May 13	5.70	Aug. 18	11.65	Dec. 10	11.01
Mar. 8	7.75	June 6	6.98	Sept. 14	12.30		

Santa Rosa-Petaluma Area

382229N1224731.1. Local number 6N/8W-7P2 M. Formerly 6/8-7P2. Joseph Kardohely. About 5 mi southwest of Santa Rosa. Drilled domestic and irrigation water-table well in Merced Formation of Pliocene and Pleistocene(?) age, diam 8 in, depth 120 ft. Lsd 95 ft above msl. Highest water level 10.6 below lsd, Mar. 22, 1950, Apr. 4, 1952; lowest 33.5 below lsd, Sept. 15, 1950. Records available: 1945, 1949-65.

Jan. 5, 1961	18.9	Apr. 18, 1962	14.14	July 9, 1963	19.10	Oct. 13, 1964	26.28
Feb. 2	16.2	May 9	18.09	Aug. 12	29.43	Nov. 17	21.98
Mar. 2	15.9	June 11	21.33	Sept. 16	24.01	Dec. 15	19.22
Apr. 4	11.7	July 10	26.70	Nov. 18	23.10	Jan. 19, 1965	13.84
May 2	13.6	Aug. 14	27.55	Dec. 19	17.85	Feb. 16	13.21
June 7	16.4	Sept. 4	26.12	Jan. 14, 1964	18.10	Mar. 16	(a)
July 6	b26.7	Oct. 9	25.51	Feb. 25	15.85	Apr. 14	13.40
Aug. 7	23.2	Nov. 14	19.84	Mar. 17	16.84	May 18	13.75
Sept. 6	25.2	Dec. 3	20.65	Apr. 14	18.05	June 14	17.29
Oct. 3	25.18	Jan. 2, 1963	15.98	May 12	17.87	July 12	21.13
Nov. 6	24.44	Feb. 12	15.23	June 16	20.02	Aug. 16	27.68
Dec. 4	24.35	Mar. 5	19.45	July 13	22.70	Sept. 21	28.63
Jan. 11, 1962	23.78	Apr. 16	12.10	Aug. 18	27.04	Nov. 11	23.49
Feb. 12	a28	May 13	(a)	Sept. 15	25.44	Dec. 10	19.91
Mar. 8	13.77	June 6	13.15				

a Well being pumped.

b Well pumped recently.

Lower Russian River Area

382710N1230307.1. Local number 7N/11W-14E1 M. Formerly 7/11-14E1. Mayors Inn. Formerly Morrill. About 5 mi southwest of Guerneville. Drilled unused water-table well in alluvium, diam 10 in, depth 47 ft. Lsd 25 ft above msl. Highest water level 6.9 below lsd, Mar. 4, 1959; lowest 34.80 below lsd, July 11, 1962. Records available: 1951, 1958-65.

Jan. 5, 1961	18.9	Apr. 18, 1962	18.95	July 9, 1963	19.69	Oct. 13, 1964	19.52
Feb. 2	11.6	May 9	20.64	Aug. 12	20.04	Nov. 17	18.20
Mar. 2	17.6	June 11	20.19	Sept. 16	19.70	Dec. 15	19.15
Apr. 4	17.4	July 10	34.80	Oct. 22	16.53	Jan. 19, 1965	15.34
May 2	18.7	Aug. 15	19.90	Nov. 18	17.47	Feb. 16	18.11
June 7	19.6	Sept. 6	20.10	Dec. 19	17.80	Mar. 16	18.91
July 6	19.9	Oct. 10	20.04	Jan. 14, 1964	18.35	Apr. 14	16.21
Aug. 7	19.74	Nov. 14	18.82	Feb. 25	18.96	May 18	19.08
Sept. 6	19.56	Dec. 3	17.97	Mar. 17	18.70	June 14	19.70
Oct. 3	19.94	Jan. 3, 1963	19.13	Apr. 14	16.75	July 12	20.08
Nov. 6	20.07	Feb. 12	14.42	May 12	19.80	Aug. 16	20.05
Dec. 4	15.84	Mar. 5	18.35	June 16	20.05	Sept. 21	19.87
Jan. 11, 1962	18.70	Apr. 16	11.10	July 13	19.93	Nov. 11	19.04
Feb. 12	13.44	May 13	17.29	Aug. 18	20.28	Dec. 10	16.24
Mar. 8	9.10	June 6	19.10	Sept. 15	20.10		

Healdsburg Area

383535N1225213.1. Local number 9N/9W-28N1 M. Formerly 9/9-28N1. G. P. Brown. About 1 mi south of Healdsburg. Drilled irrigation water-table well in alluvium, diam 10 in, depth 53 ft. Lsd 90 ft above msl. Highest water level 7.6 below lsd, Feb. 9, 1960; lowest 23.68 below lsd, Oct. 13, 1964. Records available: 1953-54, 1958-65.

Jan. 6, 1961	13.5	Apr. 18, 1962	13.97	July 9, 1963	14.74	Oct. 13, 1964	23.68
Feb. 3	10.7	May 10	14.29	Aug. 12	15.14	Nov. 17	13.82
Mar. 3	13.1	June 11	14.65	Sept. 16	19.37	Dec. 15	14.66
Apr. 5	13.0	July 11	18.50	Oct. 22	15.00	Jan. 19, 1965	13.58
May 3	13.7	Aug. 15	20.56	Nov. 18	13.65	Feb. 16	14.32
June 8	14.5	Sept. 6	21.35	Dec. 19	14.39	Mar. 16	14.85
July 7	16.0	Oct. 10	21.85	Jan. 14, 1964	14.67	Apr. 14	13.73
Aug. 8	19.4	Nov. 15	15.04	Feb. 25	14.28	May 17	15.60
Sept. 6	20.45	Dec. 4	13.45	Mar. 17	14.30	June 14	15.64
Oct. 4	21.70	Jan. 3, 1963	13.84	Apr. 14	14.64	July 13	15.94
Nov. 7	22.53	Feb. 13	10.78	May 12	15.05	Aug. 18	18.35
Dec. 5	12.72	Mar. 5	13.80	June 16	15.41	Sept. 21	21.15
Jan. 11, 1962	14.15	Apr. 16	10.65	July 14	18.89	Nov. 11	23.15
Feb. 12	9.30	May 13	13.60	Aug. 18	21.34	30	14.64
Mar. 9	10.46	June 6	14.23	Sept. 15	22.74	Dec. 14	15.25

Cloverdale Area

384717N1230048.1. Local number 11N/10W-19F2. Formerly 11/10-19F2. California Division of Forestry. About 1 mi south of Cloverdale. Drilled unused artesian well in Franciscan Formation of Late Jurassic to Late Cretaceous age, and Knoxville Formation of Late Jurassic age, diam 8 in, depth 160 ft, cased to 135, perforated 116-135. Lsd 346 ft above msl. Highest water level 0.55 below lsd, Apr. 17, 1963; lowest 17.32 below lsd, Sept. 15, 1964. Records available: 1952-55, 1958-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1961	3.7	Mar. 9, 1962	2.57	Aug. 12, 1963	8.28	Oct. 13, 1964	13.15
Feb. 3	2.6	Apr. 19	3.95	Sept. 16	10.24	Nov. 17	5.54
Mar. 3	3.2	May 10	4.82	Oct. 22	10.15	Dec. 15	4.71
Apr. 5	3.1	June 12	6.90	Nov. 19	3.74	Jan. 19, 1965	3.43
May 3	3.9	July 12	9.10	Dec. 19	3.20	Feb. 16	3.69
June 8	5.36	Sept. 7	11.63	Jan. 15, 1964	3.27	Mar. 16	4.03
July 7	7.81	Oct. 10	13.11	Feb. 25	4.00	Apr. 14	3.55
Aug. 8	10.72	Dec. 4	5.46	Mar. 17	3.77	May 17	4.41
Sept. 6	12.27	Feb. 13, 1963	2.40	Apr. 14	4.27	June 15	5.96
Oct. 4	13.32	Mar. 6	3.39	May 12	5.29	July 13	7.69
Nov. 7	14.08	Apr. 17	.55	June 16	6.89	Aug. 18	9.70
Dec. 5	9.30	May 14	1.30	July 14	8.89	Sept. 21	11.14
Jan. 12, 1962	3.70	June 7	5.48	Aug. 18	11.19	Nov. 10	12.39
Feb. 13	1.83	July 9	4.15	Sept. 15	17.32	Dec. 10	3.72

Yolo County

Putah and Suisun-Fairfield Area

363248N1215055.1. Local number 8N/1E-15B1. Formerly 8/1-15B1. Frank E. Russell. About 6 mi west of Davis. Drilled stock water-table well in alluvium of Holocene age, diam 10 in, depth 116 ft. Lsd 83.48 ft above msl. Highest water level 13.8 below lsd, May 16, 1941; lowest 34.74 below lsd, Jan. 11, 1962. Records available: 1931-42, 1948-51, 1958-65.

Jan. 5, 1961	33.3	Apr. 18, 1962	32.07	July 8, 1963	26.49	Oct. 12, 1964	32.48
Feb. 2	33.4	May 9	32.71	Aug. 12	26.90	Nov. 16	32.58
Mar. 2	33.1	June 11	32.27	Sept. 16	25.74	Dec. 14	32.44
Apr. 4	32.8	July 10	32.40	Oct. 21	28.26	Jan. 18, 1965	30.89
May 2	30.6	Aug. 14	32.52	Nov. 18	28.43	Feb. 15	24.84
June 7	30.7	Sept. 4	32.67	Dec. 20	28.53	Mar. 15	28.75
July 6	32.5	Oct. 9	33.24	Jan. 13, 1964	28.62	Apr. 13	29.41
Aug. 7	33.4	Nov. 14	32.00	Feb. 24	28.10	May 17	29.37
Sept. 6	33.07	Dec. 3	31.00	Mar. 16	28.45	June 14	28.95
Oct. 3	34.25	Jan. 2, 1963	32.40	Apr. 13	28.32	July 12	31.02
Nov. 6	34.44	Feb. 12	30.20	May 11	28.98	Aug. 16	30.65
Dec. 4	34.57	Mar. 5	29.80	June 15	29.73	Sept. 20	31.18
Jan. 11, 1962	34.74	Apr. 16	28.54	July 13	30.72	Nov. 11	31.55
Feb. 12	34.29	May 13	28.68	Aug. 17	31.74	Dec. 9	31.50
Mar. 8	32.84	June 6	27.12	Sept. 14	32.09		

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HAWAII

Systematic water-level measurements in Hawaii were begun in 1910 by the Public Works Department of the Territory of Hawaii. In 1917 the measurements were taken over by the Division of Hydrography of the Department of Public Lands. From 1930 to 1960 the observations were made in a cooperative program carried on by the U.S. Geological Survey and the Division of Hydrography, and since 1961, in a cooperative program with the Division of Water and Land Development, Department of Land and Natural Resources. Beginning in 1935 the records of measurements were published in the annual series of water-supply papers issued by the Geological Survey. Earlier records are published in bulletins issued by the Hawaii Division of Hydrography and prepared in cooperation with the Geological Survey. Figure 4 shows the location of observation wells included in this report.

Well-Numbering System

Beginning with number 1 at some point on each island, drilled wells of Hawaii are numbered consecutively as they occur in geographic sequence around the island. Single wells separated from others and pumped separately are numbered individually. Wells in a closely spaced group used to supply a central pumping plant are included under a single number with each well distinguished by a letter. In some areas certain numbers are left unassigned for the designation of new wells when they are drilled. Holes drilled especially for test or observation purposes are called test borings. Test borings on each island are numbered consecutively as they are drilled, beginning with "1", and are distinguished by a "T" before each number. Shaft-type wells are numbered consecutively as they are dug and are distinguished by the word "shaft" before each number.

Well Descriptions and Water-Level Measurements

All ground-water levels in Hawaii are reported in feet above mean sea level.

Island of Hawaii

200105N1551715. Local number Shaft 6. Laupahoehoe Sugar Co. Ookala. Dug domestic and irrigation basal water-table well in basalt of Hamakua Volcanic Series, Quaternary and late Tertiary age, size $6\frac{1}{2} \times 6$ ft, vertical depth of 30-degree inclined shaft 300 ft; two infiltration tunnels, size 4×6 ft, total length 650 ft. MP not available. Highest water level 7.04 above msl, June 20, 1938; lowest 2.92 above msl, Apr. 27, 1946. Records available: 1937-65.

Mean water level for the day, above msl, from recorder graph, 1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.8	5.9	5.9	5.9	5.6	5.9	5.9	5.7	6.0	5.7	5.7	5.7
10	5.8	5.5	5.7	6.0	5.9	5.8	5.8	5.7	6.1	5.8	5.7	5.6
15	6.1	5.8	5.7	5.8	5.8	5.7	5.9	5.7	5.8	6.0	5.6	5.5
20	6.0	5.8	5.9	5.6	5.9	5.7	5.7	6.0	5.7	6.0	5.6	5.5
25	6.1	5.7	5.8	5.5	5.7	5.9	5.7	5.7	5.9	5.8	5.6	5.5
Eom	5.9	5.8	5.8	5.9	5.8	5.6	5.8	5.7	5.7	5.9	5.7	5.6
1962												
5	...	...	5.4	5.4	5.4	5.2	5.3	5.4	5.2	5.0	5.3	5.2
10	5.4	5.5	5.6	5.4	5.2	5.4	5.2	5.2	5.2	5.0	5.4	5.4
15	5.7	5.3	5.3	5.5	5.2	5.1	5.3	5.2	5.4	5.4	5.4	5.3
20	5.7	5.5	5.1	5.5	5.5	5.1	5.1	5.3	5.2	5.5	5.3	5.5
25	5.5	5.5	5.5	5.3	5.2	5.3	5.3	5.2	5.2	5.4	5.2	5.4
Eom	5.5	5.6	5.4	5.4	5.3	5.4	5.2	5.2	5.3	5.3	5.2	5.2
1963												
5	5.2	5.3	4.8	4.8	5.0	4.9	4.9	5.2	5.1	5.1	5.2	5.2
10	5.1	5.3	5.3	4.7	4.7	4.9	4.8	5.1	5.1	4.9	5.3	5.3
15	5.0	4.8	4.7	5.1	4.7	5.0	5.0	5.1	5.4	5.0	5.4	5.1
20	5.3	4.8	4.8	4.9	5.2	4.9	5.0	5.2	4.9	5.4	5.3	5.2
25	5.0	5.1	5.1	5.0	5.0	4.9	4.9	5.5	5.0	4.9	5.3	5.3
Eom	5.1	4.9	5.3	4.7	4.9	5.1	5.1	5.1	5.1	5.3	5.3	5.2
From recorder graph												
Date		Water level	Date		Water level	Date		Water level	Date		Water level	
Jan.	5, 1964	5.1	Apr.	5, 1964	5.1	July	19, 1964	5.5	Oct.	18, 1964	5.5	
	12	5.0		12	5.1		26	5.4		25	5.4	
	19	5.0		19	5.2		Aug. 2	5.4		Nov. 1	5.7	
	26	5.1		26	5.1		9	5.4		8	5.4	
Feb.	2	5.2	May	3	5.0		16	5.5		15	5.6	
	9	4.9		10	5.1		23	5.5		22	5.7	
	16	4.9		17	5.0		30	5.5		29	5.6	
	23	4.9		24	5.0		Sept. 6	5.6		Dec. 6	5.7	
Mar.	1	4.9	June	14	5.1		13	5.5		13	5.7	
	8	4.9		21	5.3		20	5.5		27	5.7	
	15	5.0		28	5.3		27	5.5		Jan. 3, 1965	5.7	
	22	5.1	July	5	5.5		Oct. 4	5.5		10	5.7	
	29	5.1		12	5.5		11	5.5		17	5.7	

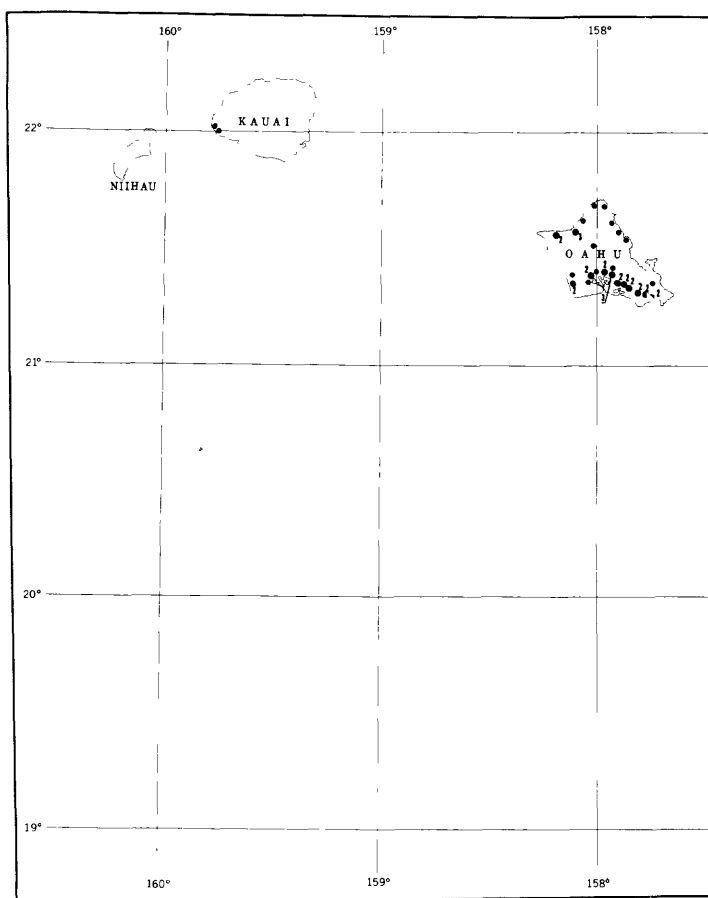
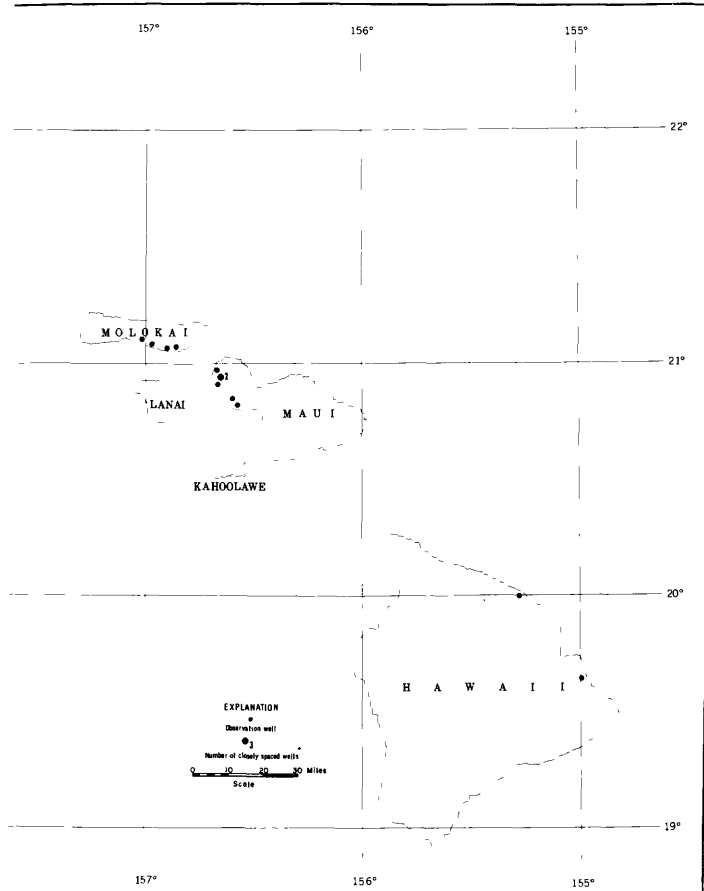


Figure 4. —Location of observation



wells in Hawaii, 1961-65.

200105N1551715--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1965	5.5	Apr. 11, 1965	5.5	June 20, 1965	5.5	Aug. 29, 1965	5.7
31	5.5	18	5.6	27	5.5	Sept. 5	5.6
Feb. 7	5.5	25	5.4	July 4	5.6	12	5.5
14	5.5	May 2	5.6	11	5.7	19	5.5
21	5.4	9	5.6	18	5.6	26	5.5
28	5.4	16	5.5	25	5.6	Oct. 17	5.6
Mar. 7	5.4	23	5.5	Aug. 1	5.7	24	5.7
14	5.6	30	5.4	8	5.6	Nov. 7	5.8
21	5.6	June 6	5.5	15	5.7	21	5.6
28	5.4	13	5.5	22	5.6	28	5.4
Apr. 4	5.5						

193750N1550200. Local number Shaft 7. Puna Sugar Co., Ltd. Formerly Olaa Sugar Co. Olaa. Du? domestic and irrigation basal water-table well in basalt of Kahuku Volcanic Series, Pleistocene age, size 10 x 10 ft, depth 203 ft; three infiltration tunnels, total length 48 ft. MP pump room floor, 22.86 ft above msl. Highest water level 25.86 above msl, Mar. 6, 1939; lowest 12.00 above msl, Nov. 3, 1962. Records available: 1936-65. Records furnished by Puna Sugar Co., Ltd.

Jan. 7, 1961	14.94	Mar. 31, 1962	13.86	July 20, 1963	14.98	Sept. 26, 1964	14.57
14	14.62	Apr. 7	13.94	27	14.94	Oct. 3	14.44
21	14.78	14	13.82	Aug. 3	15.03	10	14.44
28	14.61	21	13.61	10	15.19	17	14.19
Feb. 4	14.36	28	13.44	24	14.69	24	14.28
11	14.19	May 5	13.28	31	14.82	31	14.50
18	14.78	12	13.19	Sept. 7	14.78	Nov. 7	15.13
25	15.03	26	13.32	14	14.78	21	17.44
Mar. 25	15.23	June 2	13.28	21	14.19	Dec. 5	16.49
8	15.11	9	13.28	28	14.36	12	16.32
Apr. 15	14.94	16	13.50	Oct. 5	14.36	19	16.28
22	14.92	23	13.44	12	14.28	26	15.69
29	14.94	30	13.44	19	14.53	Jan. 9, 1965	15.54
May 6	14.61	July 14	13.28	26	14.40	16	15.36
13	14.53	21	13.36	Nov. 2	14.36	23	14.98
20	14.53	28	13.40	9	14.28	30	15.54
27	14.33	Aug. 11	13.28	16	14.28	Feb. 6	15.23
3	14.36	18	13.32	23	13.98	13	15.11
10	14.13	25	12.86	30	13.98	20	14.57
17	13.61	Sept. 1	13.13	Dec. 31	13.22	27	14.44
24	13.59	8	13.11	21	13.36	Mar. 6	14.28
July 1	13.61	29	12.94	Jan. 11, 1964	13.19	13	14.17
15	14.11	Oct. 6	12.69	18	13.23	20	14.00
22	13.86	13	12.69	25	13.32	27	13.73
29	13.78	20	12.69	Feb. 1	12.36	Apr. 3	13.76
Aug. 12	13.85	27	12.57	8	12.19	10	14.36
19	13.69	Nov. 3	12.00	15	13.19	17	14.53
26	13.69	24	12.28	22	13.44	24	14.53
Sept. 2	13.69	Dec. 8	12.53	29	14.53	May 8	16.64
9	13.61	15	12.36	Mar. 7	15.11	15	16.32
16	13.56	22	12.28	14	16.53	22	15.86
23	13.61	29	12.36	21	15.86	29	15.98
30	13.53	Jan. 5, 1963	12.44	28	16.03	June 5	15.50
Oct. 7	13.21	12	12.28	Apr. 4	16.11	12	15.32
14	13.23	19	12.28	11	16.03	19	15.11
21	13.15	26	12.19	18	16.07	26	14.73
28	15.11	Feb. 9	12.11	25	15.86	July 3	14.64
Nov. 4	14.60	16	12.03	May 2	15.78	10	14.32
11	14.33	23	12.11	9	15.86	17	14.23
18	14.15	Mar. 2	12.17	16	16.11	24	14.44
25	14.99	9	12.15	23	16.22	31	14.32
Dec. 2	15.00	16	12.03	30	17.94	Aug. 7	14.15
9	15.61	23	12.07	June 6	17.86	14	14.03
16	16.38	30	12.36	13	18.03	21	13.90
23	16.40	Apr. 20	12.36	20	17.80	28	13.96
30	16.40	27	14.65	27	17.28	Sept. 4	13.75
Jan. 6, 1962	17.00	May 4	15.36	July 11	16.90	11	13.53
13	16.32	11	15.19	18	16.57	18	13.50
20	16.11	18	15.15	25	16.19	25	13.36
27	16.03	25	15.61	Aug. 1	15.86	Oct. 2	13.11
Feb. 3	15.69	June 1	15.61	8	15.69	9	13.28
10	15.28	8	15.61	15	15.40	16	13.28
17	15.11	15	15.57	22	15.03	23	13.23
24	14.69	22	15.53	29	14.92	30	13.23
Mar. 3	14.50	29	15.53	Sept. 5	14.78	Nov. 6	14.37
10	14.40	July 6	15.19	12	14.73	20	14.01
17	14.28	13	15.15	19	14.53	Dec. 18	14.28
24	14.00						

Island of Kauai

220010N1594450. Local number 35. Kekaha Sugar Co. Near Kekaha. Drilled irrigation artesian basal-water well in basalt, diam 12 in, depth 245 ft, cased to 168. MP not available. Highest water level 11.32 above msl, Dec. 20, 1937; lowest 7.63 above msl, Apr. 17, 1944. Records available: 1937-62. No measurement made in 1963-65. Records furnished by Kekaha Sugar Co.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1961	9.06	May 26, 1961	9.11	Sept. 27, 1961	8.94	Jan. 31, 1962	10.16
Feb. 24	9.10	June -	9.08	Oct. 27	9.21	Feb. 26	10.19
Mar. 30	9.13	July 28	9.06	Nov. 30	9.04	May 25	8.13
Apr. 27	9.10	Aug. 29	9.03	Dec. 21	9.11	July 6	(j)

j Top of casing broken.

220045N1594520. Local number 37. Kekaha Sugar Co. Near Kekaha. Drilled irrigation artesian basal-water well in basalt, diam 12 in, depth 262 ft, cased to 188. MP top of flange on 12-in T, 7.48 ft above msl. Highest water level 11.20 above msl, July 6, 1962; lowest 7.93 above msl, June 14, 1947. Records available: 1937-50, 1952-64. No measurement made in 1965. Records furnished by Kekaha Sugar Co.

Jan. 25, 1961	9.12	July 28, 1961	9.01	Jan. 31, 1962	10.25	Oct. -, 1962	8.60
Feb. 24	9.17	Aug. 29	9.00	Feb. 26	10.31	Nov. 2	8.73
Mar. 30	9.22	Sept. 27	8.98	May 25	10.94	Dec. -	8.62
Apr. 27	9.18	Oct. 27	9.73	July 6	11.20	Apr. 26, 1963	8.85
May 25	9.16	Nov. 30	8.96	Sept. 6	8.52	Feb. 28, 1964	8.62
June -	9.11	Dec. 21	9.17				

Island of Maui

205630N1564130. Local number Shaft 3. Pioneer Mill Co., Ltd. Kaanapali. Dug irrigation basal water-table well in basalt of Wailuku Volcanic Series, Pliocene(?) age, depth 25 ft; two infiltration tunnels, total length of tunnels 1,531 ft, 11 supplemental drilled wells at bottom of shaft. Highest water level 2.83 above msl, Dec. 31, 1948; lowest 1.43 above msl, Dec. 31, 1949. Records available: 1935-58, 1960-61. Measurement suspended in 1962. Records furnished by Pioneer Mill Co., Ltd. Dec. 29, 1961, 1.92 (well being pumped); Dec. 31, 2.30.

205350N1564000. Local number Shaft 5. Pioneer Mill Co., Ltd. Kahoma. Dug irrigation basal water-table well in basalt of Wailuku Volcanic Series, Pliocene(?) age, depth 323 ft; two infiltration tunnels, total length of tunnels 3,801 ft. Highest water level 3.78 above msl, Dec. 31, 1948; lowest 1.80 above msl, Dec., 1935. Records available: 1935-58, 1960-61. Measurement suspended in 1962. Records furnished by Pioneer Mill Co., Ltd. Dec. 30, 1961, 1.88 (well being pumped); Dec. 31, 2.60.

205300N1564040. Local number Shaft 7. Pioneer Mill Co., Ltd. Lahaina. Dug irrigation basal water-table well in basalt of Wailuku Volcanic Series, Pliocene(?) age, depth 39 ft; one infiltration tunnel, length 768 ft, 3 supplemental drilled wells at bottom of shaft. Highest water level 3.78 above msl, Dec. 31, 1948; lowest 2.60 above msl, Dec., 1935. Records available: 1935-58, 1960-61. Measurement suspended in 1962. Records furnished by Pioneer Mill Co., Ltd. Dec. 28, 1961, 1.00 (well being pumped); Dec. 31, 2.60.

205225N1564015. Local number Shaft 9. Pioneer Mill Co., Ltd. Lahaina. Dug irrigation basal water-table well in basalt of Wailuku Volcanic Series, Pliocene(?) age, depth 31 ft; one infiltration tunnel, length 1,094 ft, 10 supplemental drilled wells at bottom of shaft. Highest water level 2.98 above msl, Dec. 31, 1948; lowest 1.48 above msl, Dec. 31, 1953. Records available: 1935-58, 1960-61. Measurement suspended in 1962. Records furnished by Pioneer Mill Co., Ltd. Dec. 29, 1961, 0.07 (well being pumped); Dec. 31, 1.75.

204930N1563715. Local number Shaft 10. Pioneer Mill Co., Ltd. Olowalu. Dug irrigation basal water-table well in basalt of Wailuku Volcanic Series, Pliocene(?) age, vertical depth of 30-degree inclined shaft 300 ft; one infiltration tunnel, length 239 ft. Highest water level 4.30 above msl, Dec. 31, 1950; lowest 2.72 above msl, Dec. 31, 1943. Records available: 1935-58, 1960-61. Measurement suspended in 1962. Records furnished by Pioneer Mill Co., Ltd. Dec. 29, 1961, 2.04 (well being pumped); Dec. 31, 3.12.

204845N1563550. Local number Shaft 12. Pioneer Mill Co., Ltd. Ukumehame. Dug irrigation basal water-table well in basalt of Wailuku Volcanic Series, Pliocene(?) age, vertical depth of 30-degree inclined shaft 143 ft; one infiltration tunnel, length 428 ft. Highest water level 6.75 above msl, Dec. 31, 1950; lowest 4.27 above msl, Dec. 31, 1943. Records available: 1935-58, 1960-61. Measurement suspended in 1962. Records furnished by Pioneer Mill Co., Ltd. Dec. 29, 1961, 5.14 (well being pumped); Dec. 31, 5.60.

Island of Molokai

210420N1565700. Local number Shaft 4. Molokai Ranch Co. Kawela Gulch. Dug municipal basal water-table well in basalt of East Molokai Volcanic Series, Pliocene(?) age, size 4 x 4 ft, depth 38 ft, lined with concrete to 38; two infiltration tunnels, total length 229 ft. MP top of steel I-beam under pump, 37.07 ft above msl. Highest water level 2.66 above msl, Dec. 5, 1950 (previously reported 2.57 above msl, Dec. 19, 1947); lowest 1.47 above msl, June 24, 1955. Records available: 1947-60, 1962-63. No measurement made in 1961 or 1964-65. Jan. 7, 1962, 2.07 (well being pumped); May 13, 1.91 (well being pumped); June 26, 1.78 (well being pumped); Dec. 1, 1.88 (well being pumped); Feb. 13, 1963, 2.20 (well being pumped).

210400N1565000. Local number Shaft 6. County of Maui, Ulapue. Dug municipal basal water-table well in basalt of East Molokai Volcanic Series, Pliocene(?) age, size 4 x 6 ft, depth 42 ft, lined with concrete to 42; two infiltration tunnels, total length 214 ft. MP top of steel plate supporting gage, 44.42 ft above msl. Highest water level 6.05 above msl, Jan. 19, 1950; lowest 4.57 above msl, June 21, 1955. Records available: 1938-39 (1940 measurement previously reported available), 1941-63. No measurement made in 1964-65.

Mar. 7, 1961	5.21	Jan. 10, 1962	5.27	Dec. 1, 1962	4.98	July 24, 1963	a3.11
June 22	5.19	Feb. 18	5.31	Feb. 13, 1963	5.19	Sept. 4	a5.21
Aug. 25	5.25	Mar. 31	5.38	Mar. 25	5.05	Oct. 11	5.17
Oct. 25	5.27	May 13	5.12	June 7	5.11	Nov. 22	5.17
Jan. 5, 1962	5.27	June 24	a4.98	July 18	a5.04		

a Well being pumped.

210555N1570120. Local number 11. Molokai Ranch. Kaunakakai Gulch. Drilled unused basal water-table well in basalt of East Molokai Volcanic Series, Pliocene(?) age, diam 12 in, depth 59 ft, cased to 20. MP top of surface casing, 51.95 ft above msl. Highest water level 3.10 above msl, Sept. 13, 1964; lowest 1.6 above msl, Dec. 5, 1964. Records available: 1954-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1961	2.58	Mar. 30, 1962	2.64	July 16, 1963	2.61	Feb. 22, 1965	2.32
Mar. 8	2.46	May 13	2.50	Aug. 29	2.80	May 18	2.39
May 5	2.25	June 25	2.52	Oct. 11	2.80	July 10	2.56
June 21	2.61	Dec. 2	2.62	Nov. 21	2.25	Oct. 9	2.75
Aug. 24	2.70	Feb. 12, 1963	2.81	Sept. 13, 1964	3.10	21	2.77
Oct. 25	2.80	Mar. 22	2.64	Oct. 22	2.6	Nov. 30	2.88
Feb. 18, 1962	2.82	June 6	2.65	Dec. 5	1.6		

210330N1565225. Local number Dug Well 42. County of Maui, Kamalo. Dug unused basal water-table well in basalt of East Molokai Volcanic Series, Pliocene(?) age, size 4 x 4 ft, depth 40 ft, lined with boulders. MP south edge of well cover opening, 42.67 ft above msl. Highest water level 5.40 above msl, Dec. 5, 1950; lowest 4.10 above msl, May 19, 1951. Records available: 1938-39 (1940 measurement previously reported available), 1941-61. No measurement made in 1962-65. Jan. 9, 1961, 4.81; Mar. 7, 4.97; June 22, 4.90.

Island of Oahu

211646N1574652. Local number 1A. B. P. Bishop Estate. Wai'alae Golf Links, Honolulu. Drilled unused artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 4 in, depth 131 ft, cased to 100. MP top of casing, 13.84 ft above msl. Highest water level 9.12 above msl, Jan. 28, 1940 (previously reported 9.10 above msl, Feb. 4, 1940); lowest 7.50 above msl, May 31, 1947 (previously reported 7.55 above msl, June 14, 1946). Records available: 1933-65 (previously reported 1933-44, 1947-60). Records furnished by Honolulu Board of Water Supply.

Jan. 4, 1961	8.04	Feb. 20, 1962	8.34	Apr. 9, 1963	8.23	May 27, 1964	8.21
18	8.01	28	8.28	17	8.35	June 4	8.19
19	8.13	Mar. 7	8.27	24	8.31	10	8.09
25	8.09	16	8.29	May 8	8.31	18	8.15
Feb. 1	8.12	21	8.22	1	8.23	25	8.14
8	7.94	29	8.18	15	8.28	July 2	8.18
15	8.04	Apr. 4	8.07	22	8.25	9	8.15
21	8.12	11	8.10	29	8.32	16	8.30
Mar. 1	8.06	17	8.04	June 4	8.15	23	8.31
8	8.08	25	8.04	12	8.21	30	8.32
15	7.99	May 2	8.04	19	8.14	Aug. 6	8.24
21	8.00	9	8.01	26	8.13	13	8.31
29	8.01	16	7.96	July 3	8.06	20	8.25
Apr. 5	8.03	23	7.90	10	8.05	27	8.26
12	8.09	29	7.93	17	8.03	Sept. 3	8.16
19	8.09	June 6	7.89	24	8.07	10	8.25
26	8.01	13	7.90	30	8.13	17	8.23
May 3	8.01	20	7.85	Aug. 7	8.09	24	8.24
10	8.04	27	7.84	14	8.13	Oct. 1	8.16
17	7.95	July 3	7.79	21	8.19	8	8.19
24	7.97	11	7.89	28	8.24	15	8.18
June 1	7.95	18	7.76	Sept. 4	8.18	22	8.15
7	7.99	25	7.87	11	8.35	29	8.30
14	8.05	Aug. 1	7.78	18	8.30	Nov. 5	8.30
21	8.02	8	7.74	25	8.38	12	8.27
July 28	8.09	15	7.64	Oct. 2	8.31	19	8.19
5	8.22	22	7.74	9	8.43	26	8.30
12	8.13	29	7.65	16	8.36	Dec. 3	8.23
19	8.28	Sept. 5	7.71	23	8.42	10	8.26
26	8.15	12	7.64	31	8.34	17	8.29
Aug. 2	8.26	19	7.71	Nov. 7	8.48	24	8.39
9	8.22	26	7.60	14	8.38	30	8.74
16	8.26	Oct. 3	7.66	21	8.47	Jan. 7, 1965	8.37
23	8.26	10	7.58	27	8.45	14	8.38
30	8.29	17	7.63	Dec. 5	8.53	21	8.37
Sept. 6	8.24	24	7.56	12	8.46	28	8.26
13	8.29	31	7.55	19	8.48	Feb. 4	8.26
20	8.31	Nov. 7	7.61	26	8.45	11	8.27
27	8.33	14	7.69	Jan. 2, 1964	8.49	18	8.30
Oct. 4	8.32	21	7.72	9	8.44	25	8.22
11	8.28	28	7.68	16	8.35	Mar. 4	8.17
18	8.40	Dec. 5	7.66	23	8.35	11	8.23
25	8.36	12	7.88	30	8.37	18	8.18
Nov. 1	8.45	19	7.94	Feb. 6	8.33	25	8.14
8	8.33	26	7.92	13	8.23	Apr. 1	8.16
15	8.32	Jan. 2, 1963	7.99	20	8.24	8	8.23
22	8.22	9	8.06	27	8.18	15	8.21
29	8.25	16	8.14	Mar. 5	8.23	22	8.20
Dec. 6	8.20	23	8.08	12	8.19	29	8.22
13	8.16	30	8.20	19	8.24	May 6	8.21
20	8.12	Feb. 6	8.15	25	8.25	13	8.18
27	8.14	13	8.11	Apr. 2	8.31	20	8.23
Jan. 3, 1962	8.12	20	8.06	9	8.25	27	8.17
10	8.23	27	8.08	16	8.28	June 3	8.16
17	8.23	Mar. 6	8.14	23	8.26	9	8.21
24	8.23	13	8.13	30	8.28	17	8.10
31	8.29	20	8.10	May 7	8.24	24	8.14
Feb. 7	8.28	27	8.14	14	8.18	July 1	8.11
14	8.21	Apr. 3	8.23	21	8.18	Oct. 7	8.37

211646N1574652--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 14, 1965	8.44	Nov. 4, 1965	8.49	Nov. 24, 1965	8.79	Dec. 16, 1965	8.81
21	8.45	10	8.57	Dec. 2	8.75	22	8.75
24	8.51	18	8.84	9	8.69	29	8.72

211646N1574652. Local number 1B. B. P. Bishop Estate. Wai'anae Golf Links, Honolulu. Drilled domestic and irrigation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 8 in., depth 120 ft, cased to 43. MP top of blind flange on well, 8.22 ft above msl. Highest water level 8.94 above msl, Jan. 27, 1943; lowest 6.45 above msl. Oct. 20, 1933. Records available: 1932-34, 1936-64 (previously reported 1919, 1929-34, 1936-60). Measurement discontinued.

Jan. 27, 1961	8.19	Nov. 20, 1961	8.34	Aug. 31, 1962	a7.90	May 27, 1963	a8.13
Feb. 23	7.90	Dec. 19	8.14	Sept. 5	7.53	June 28	a7.89
Mar. 29	8.10	Jan. 31, 1962	8.30	Oct. 30	a7.55	July 24	a8.16
May 2	8.17	Feb. 27	8.30	Dec. 5	a7.44	Sept. 5	8.23
23	8.01	Mar. 22	8.32	28	7.90	27	a7.84
June 27	8.24	Apr. 24	8.04	Jan. 25, 1963	a8.01	Oct. 25	a8.10
July 27	8.31	May 23	a7.76	Feb. 27	a7.93	Nov. 27	8.47
Aug. 28	8.32	June 21	7.84	Mar. 27	8.10	Dec. 24	a8.36
Sept. 25	a7.82	July 26	7.90	Apr. 25	8.25	Jan. 27, 1964	a8.23
Oct. 23	8.41						

a Well being pumped.

211749N1574854. Local number 2. B. P. Bishop Estate. Kalaie Rd., Honolulu. Drilled unused artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 8 in., depth unknown, cased. MP top of casing 37.38 ft above msl. Highest water level 31.55 above msl, Jan. 23, 1940; lowest 19.66 above msl, Sept. 14, 1944. Records available: 1916, 1919, 1923, 1926, 1929-65. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	24.96	25.70	26.07	24.93	24.12	23.57	23.15	21.63	22.46	23.62	25.02	25.69
10	25.05	25.81	25.9	24.88	23.8	23.59	22.82	21.70	22.55	23.78	25.23	25.86
15	25.05	25.99	25.4	24.68	23.57	23.45	22.66	21.58	22.5	23.99	25.26	25.83
20	25.29	26.22	25.06	24.57	23.34	23.33	22.92	21.79	22.79	24.1	25.32	25.64
25	25.32	26.26	25.18	24.51	23.44	23.18	22.58	21.89	23.07	24.5	25.41	25.70
Eom	25.66	26.19	24.83	24.47	23.43	23.31	22.0	22.11	23.29	24.78	25.56	25.50

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.29	25.82	26.09	25.82	25.55	24.61	21.93	20.81	e20.0	20.80	21.99	22.50
10	25.38	25.66	26.11	25.65	25.56	24.37	21.86	20.47	20.33	20.78	22.05	22.78
15	25.46	25.68	26.2	25.60	25.45	23.96	21.59	20.49	20.33	20.69	22.08	23.01
20	25.49	25.85	26.12	25.52	25.44	23.4	21.14	20.45	20.54	21.25	22.11	23.23
25	25.43	25.91	26.16	25.6	25.12	22.7	21.12	19.82	20.76	21.45	22.12	23.43
Eom	25.7	25.98	26.21	25.83	24.73	22.23	20.80	19.78	20.95	21.77	22.48	23.56

1963

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	23.68	24.74	24.64	25.34	25.93	25.08	23.96	23.46	24.33	25.13	25.15	24.93
10	23.95	24.72	24.81	25.56	25.82	24.82	23.68	23.17	24.36	25.24	25.18	25.06
15	24.11	24.66	24.22	25.68	26.03	24.52	23.87	23.14	24.50	25.24	24.94	25.17
20	24.20	24.55	24.47	25.87	25.94	24.40	23.94	23.43	24.83	25.24	24.81	25.29
25	24.32	24.46	24.69	25.95	25.78	24.21	23.65	23.73	24.85	25.19	24.87	25.21
Eom	24.57	24.41	25.02	25.89	25.30	24.04	23.54	24.05	24.98	25.17	24.97	25.22

1964

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.32	25.10	24.80	25.41	25.30	25.14	24.37	23.64	23.14	23.31	23.39	24.03
10	25.37	25.19	24.90	25.48	25.26	24.92	24.01	23.69	23.15	23.30	23.47	24.22
15	25.3	25.24	24.93	25.33	25.21	24.79	23.85	23.62	23.15	23.29	23.58	24.38
20	25.18	24.78	24.72	25.30	25.12	24.43	23.92	23.46	23.22	23.42	23.49	24.59
25	25.25	24.79	25.12	25.40	25.28	24.29	24.15	23.42	23.11	23.43	23.74	24.64
Eom	25.10	24.85	25.28	25.43	25.24	24.32	23.81	23.21	23.25	23.33	23.87	24.61

1965

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	24.55	25.05	24.67	24.73	25.20	25.19	24.30	24.15	23.84	e24.3	24.58	26.12
10	24.74	25.20	24.72	24.79	25.27	25.02	24.15	24.15	e23.7	e24.2	24.79	26.31
15	24.85	24.94	24.54	24.92	25.37	24.85	e24.05	24.18	e23.8	e24.3	e25.2	26.70
20	24.96	24.76	24.54	24.98	25.48	24.62	24.17	24.07	e23.9	e24.8	25.43	26.78
25	24.90	24.74	24.66	24.96	25.22	24.34	24.25	24.24	e24.1	e24.4	25.65	26.95
Eom	25.04	24.70	24.65	25.04	25.25	24.17	24.22	24.11	e24.2	e24.6	25.96	26.84

e Estimated.

211715N1574900. Local number 9. J. J. Gouveia. Kapahulu Ave. and Olu St., Honolulu. Drilled industrial artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 4 in (previously reported 6 in), depth 270 ft, cased to 256 (previously reported cased to 256). MP top of concrete pumpbase, 12.97 ft above msl. Highest water level 30.92 above msl, Feb. 16, 1940; lowest 18.40 above msl, Aug. 17, 1926. Records available: 1923-61 (previously reported 1921 available). Measurement discontinued; replaced by Well 25 as an observation well.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 4, 1960	21.06	Jan. 27, 1961	24.75	May 2, 1961	24.08	June 27, 1961	22.61
24	21.26	Feb. 24	26.08	23	24.43	July 27	22.04
Dec. 29	24.60						

211718N1574910. Local number 25. State of Hawaii. Kaimuki High School ground, Kaimuki Ave., Honolulu. Drilled unused artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, original diam 8 in, depth 338 ft, cased to 309. Well deepened to 625 ft and five $\frac{1}{4}$ -in sampling tubes installed 1951 at the following depths: 378 (tube E) 438 (tube D), 498 (tube C), 560 (tube B) and 618 (tube A) ft. Measurements 1911-51 in original casing, depth 309 ft; measurements 1951 and after in sampling tube E, depth 378 ft. MP top of iron cover 0.5 ft above ground, 14.65 ft above msl. Replaced well 9 as an observation well, Sept. 1961. Highest water level 29.9 above msl, Nov. 20, 1939; lowest 18.97 above msl, Sept. 12, 1926. Records available: 1911, 1916, 1923-24, 1926, 1928-32, 1934-51, 1955-65. No measurement made in 1912-15, 1917-22, 1925, 1927, 1933 or 1952-54. Records furnished by Honolulu Board of Water Supply from 1911 to 1961.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 17, 1911	25.00	Feb. 16, 1944	22.56	Feb. 19, 1960	25.47	Sept. 5, 1963	24.10
Oct. 31, 1916	23.32	Sept. 6	19.58	Mar. 18	25.59	27	24.70
Nov. 26, 1923	22.48	Aug. 30, 1945	21.38	Apr. 1	25.31	Oct. 25	25.29
Aug. 14, 1924	20.76	May 13, 1946	24.06	14	25.16	Nov. 27	25.60
Sept. 12, 1926	18.97	Dec. 16	22.81	July 22	22.21	Dec. 24	24.99
Feb. 13, 1928	23.85	Dec. 22, 1947	24.95	July 19, 1961	21.54	Jan. 27, 1964	24.84
Sept. 26, 1929	24.02	June 8, 1948	25.48	Sept. 25	22.75	Feb. 26	24.75
Feb. 18, 1930	25.59	Dec. 25	26.14	Oct. 23	23.95	Mar. 30	24.95
Mar. 2, 1931	26.59	Apr. 4, 1949	27.31	Nov. 20	24.91	Apr. 28	25.02
Sept. 11	24.95	Oct. 17	25.65	Dec. 26	25.15	May 25	25.05
Jan. 27, 1932	25.80	Apr. 17, 1950	26.41	Jan. 31, 1962	25.55	June 23	24.35
Aug. 22	27.30	Sept. 26	24.90	Feb. 27	25.75	July 31	23.45
Dec. 11, 1934	24.16	July 18, 1951	24.75	Mar. 22	25.80	Aug. 28	22.65
Aug. 15, 1935	27.05	Oct. 24, 1955	28.67	Apr. 24	25.30	Sept. 29	23.05
Sept. 18	26.66	Dec. 6, 1956	27.67	May 23	24.74	Oct. 27	22.95
Apr. 3, 1936	24.63	July 29, 1957	26.37	June 21	22.95	Nov. 25	23.3
Sept. 23	22.90	Sept. 23, 1958	25.38	July 26	20.84	Dec. 30	24.5
Mar. 22, 1937	26.72	Aug. 26, 1959	24.51	Aug. 31	19.51	Feb. 2, 1965	25.0
Nov. 10	28.95	Sept. 4	24.07	Oct. 8	20.56	24	24.3
Aug. 15, 1938	28.03	18	24.11	30	21.54	Mar. 29	24.3
Apr. 3, 1939	28.99	Oct. 2	23.69	Dec. 5	22.31	Apr. 28	24.6
Nov. 20	29.9	16	23.45	28	23.17	May 17	25.3
May 6, 1940	29.62	30	23.59	Jan. 25, 1963	23.90	June 14	24.7
Aug. 26	27.46	Nov. 13	24.55	Feb. 27	23.95	July 26	23.7
Apr. 7, 1941	26.4	25	24.37	Mar. 27	24.75	Aug. 25	23.9
Sept. 2	24.5	Dec. 11	24.96	Apr. 25	25.75	Sept. 25	23.7
Apr. 27, 1942	27.44	Jan. 8, 1960	25.37	May 27	25.42	Oct. 11	23.7
Oct. 28	26.29	22	25.15	June 28	23.97	Nov. 15	25.0
Apr. 22, 1943	27.04	Feb. 5	25.26	July 24	23.50	Dec. 13	26.3

j Measurements made by U.S. Geological Survey.

211818N1575103. Local number 81. R. Sakimoto. Young and Victoria Sts., Honolulu. Drilled domestic artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 8 in, depth 505 ft, cased to 476 (previously reported cased to 475). MP top of vertical flange on main valve, 16.43 ft above msl. Highest water level 33.04 above msl, Feb. 28, 1938; lowest 21.88 above msl, Aug. 25, 1964. Records available: 1916, 1923-24, 1926, 1929-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1961	25.87	Apr. 24, 1962	25.43	July 24, 1963	24.33	Sept. 29, 1964	22.13
Feb. 24	26.33	May 23	24.80	Sept. 5	23.23	Oct. 27	22.68
Mar. 29	25.89	June 21	23.73	27	23.57	Nov. 25	23.56
May 2	25.23	July 26	22.73	Oct. 25	24.67	Dec. 30	24.9
23	24.83	Aug. 31	22.33	Nov. 27	25.23	Jan. 27, 1965	26.0
June 27	24.13	Oct. 5	22.73	Dec. 24	25.73	Feb. 24	26.1
July 27	23.39	30	23.12	Jan. 27, 1964	26.31	Mar. 29	25.5
Aug. 28	23.06	Dec. 5	23.01	Feb. 25	25.98	Apr. 28	25.2
Sept. 25	23.13	28	24.61	Mar. 30	25.73	May 17	25.6
Oct. 23	23.66	Jan. 25, 1963	24.78	Apr. 28	25.44	June 14	25.0
Nov. 20	24.75	Feb. 27	25.03	May 25	24.73	Sept. 23	23.72
Dec. 26	25.32	Mar. 27	25.33	June 23	23.13	Oct. 11	23.83
Jan. 31, 1962	25.33	Apr. 25	26.13	July 31	22.23	Nov. 15	25.48
Feb. 27	25.63	May 27	25.70	Aug. 28	21.88	Dec. 13	26.8
Mar. 23	25.93	June 28	25.00				

211824N1575107. Local number 53. Honolulu Board of Water Supply. Beretania and Ward Ave. (previously reported Beretania and Kapiolani Sts.), Honolulu. Drilled unused artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, original depth 509 ft, depth in 1956, 474 ft; original casing 10 to 8 in, recased 1924, 8 to 6 in to 461 ft; recased Dec. 1956, 2 $\frac{1}{2}$ in to 468 ft. MP top of 12-in standpipe, 32.60 ft above msl. Highest water level 33.29 above msl, Mar. 10, 1938; lowest 22.01 above msl, Sept. 3, 1964. Records available: 1923, 1925-49, 1952-54, 1957-65. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1961											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
5	26.12	26.39	26.74	26.07	25.3	24.78	24.06	23.5	23.22	23.50	24.27
10	26.18	26.48	26.71	26.02	25.2	24.65	23.89	23.40	23.17	23.51	24.37
15	26.24	26.59	26.52	25.92	25.12	24.55	23.79	23.25	23.20	23.61	24.65
20	26.27	26.67	26.47	25.75	24.98	24.44	23.78	23.28	23.22	23.68	24.83
25	26.30	26.66	26.34	25.58	24.88	24.29	23.61	23.14	23.27	23.81	24.97
Eom	26.40	26.68	26.07	25.48	24.84	24.19	23.54	23.13	23.34	24.06	25.08
1962											
5	25.43	25.68	e25.9	26.1	25.58	24.7	23.44	22.74	22.53	22.91	23.18
10	25.4	25.71	26.02	25.9	25.51	24.59	23.35	22.67	22.63	22.91	23.19
15	25.49	25.71	26.16	25.92	e25.4	24.36	23.15	22.68	22.65	22.91	23.19
20	25.53	25.84	26.28	25.83	25.27	24.05	22.98	22.66	22.79	23.02	23.19
25	25.54	e25.8	26.23	25.8	25.10	23.76	22.85	22.43	22.85	23.08	23.12
Eom	25.65	25.8	26.09	25.70	24.92	23.54	22.71	22.49	22.94	23.21	23.14

211824N1575107--Continued.

Mean water level for the day, above msl, from recorder graph, 1963

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	23.89	25.32	25.51	25.93	26.43	25.79	25.12	24.19	23.52	24.05	25.06	25.4
10	24.17	25.36	25.55	26.05	26.36	25.76	24.89	24.02	23.55	24.27	25.1	25.62
15	24.41	25.44	25.36	26.30	26.30	25.57	24.75	23.76	23.52	24.49	25.27	25.84
20	24.59	25.51	25.46	26.46	26.32	25.46	24.52	23.66	23.77	24.66	25.29	25.88
25	24.80	25.41	25.58	26.46	26.04	25.37	24.37	23.59	23.79	24.33	25.39	25.98
Eom	25.11	25.42	25.79	26.55	25.91	25.30	24.29	23.47	23.89	24.92	25.43	26.08

1964

5	26.45	26.62	26.04	26.00	25.55	24.23	23.03	22.39	22.09	22.46	23.20	23.94
10	26.54	26.57	25.97	25.90	25.42	23.98	22.68	22.40	22.16	22.63	23.32	24.17
15	26.67	26.52	25.86	25.86	25.10	23.75	22.52	22.34	22.16	22.65	23.54	24.44
20	26.73	26.31	25.71	25.79	24.85	23.24	22.45	22.29	22.32	22.73	23.68	24.81
25	26.71	26.15	25.85	25.76	24.83	23.11	22.69	22.22	22.24	22.88	23.83	25.04
Eom	26.72	26.15	25.90	25.68	24.56	23.03	22.43	22.15	22.33	22.98	23.92	25.23

1965

5	25.56	26.30	26.13	25.55	25.68	25.64	24.63	23.79	23.60	23.88	24.95	e26.45
10	25.72	26.40	26.02	25.52	25.69	25.41	24.57	23.79	23.67	23.95	25.16	26.67
15	25.93	26.49	25.95	25.50	25.71	25.47	24.44	23.70	23.70	24.22	25.56	26.85
20	25.96	26.39	25.67	25.45	25.88	25.14	24.29	23.61	23.72	24.41	25.85	27.27
25	e26.2	26.36	25.64	25.38	25.94	24.87	24.16	23.79	23.85	24.68	26.10	27.51
Eom	26.27	26.35	25.54	25.42	25.88	24.73	23.94	23.70	23.88	24.99	e26.25	27.63

e Estimated.

211912N1575230. Local number 119. Honolulu Gas Co. Iwilei (previously reported Honolulu Gas Works), Honolulu.

Drilled industrial artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 8 in, depth 682 ft, cased to 613. MP top of concrete floor near pumps, 5.14 ft above msl. Highest water level 32.55 above msl, Mar. 16, 1933; lowest 19.14 above msl, Aug. 31, 1962. Records available: 1923-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1961	23.34	Apr. 24, 1962	22.84	July 24, 1963	21.19	Oct. 27, 1964	19.83
Feb. 24	23.34	May 23	21.74	Sept. 5	21.54	Nov. 25	21.1
Mar. 29	22.20	June 21	20.14	27	21.79	Dec. 30	22.8
May 2	21.94	July 26	19.44	Oct. 25	21.98	Feb. 2, 1965	22.5
23	21.34	Aug. 31	19.14	Nov. 27	22.74	24	23.8
June 27	21.14	Oct. 5	19.94	Dec. 24	23.24	Mar. 29	23.1
July 27	21.14	30	20.58	Jan. 27, 1964	24.34	Apr. 28	22.8
Aug. 28	20.24	Dec. 5	20.54	Feb. 25	23.83	May 17	23.5
Sept. 25	20.39	28	21.32	Mar. 30	23.43	June 14	23.0
Oct. 23	21.14	Jan. 25, 1963	22.59	Apr. 28	22.63	July 26	21.4
Nov. 20	21.44	Feb. 27	22.14	May 25	22.23	Aug. 25	21.0
Dec. 26	21.94	Mar. 27	22.54	June 23	20.73	Sept. 23	21.4
Jan. 31, 1962	22.48	Apr. 25	23.34	July 31	19.53	Oct. 11	22.0
Feb. 27	22.64	May 27	22.94	Aug. 28	19.73	Nov. 15	23.6
Mar. 23	22.84	June 28	21.66	Sept. 29	20.03	Dec. 13	25.2

212106N1575337. Local number 153. Sam Damon Estate. Moanalua Gardens, Honolulu. Drilled domestic and irrigation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 10 in, depth 289 ft, cased to 79. MP top of flange on 10-in T, 20.49 ft above msl. Highest water level 31.88 above msl, Apr. 1917; lowest 19.39 above msl, Sept. 26, 1945. Records available: 1910-21 (1922 measurement previously reported available), 1923-65.

Jan. 4, 1961	22.30	Sept. 1, 1961	20.26	May 29, 1962	21.26	Feb. 20, 1963	21.75
12	22.39	11	20.29	June 5	21.12	26	21.62
19	22.48	19	20.19	12	20.85	Mar. 11	21.76
26	22.47	Oct. 2	20.16	19	20.56	19	21.98
Feb. 2	22.61	12	20.15	25	20.45	27	21.94
10	22.55	17	20.30	July 2	20.30	Apr. 3	22.12
20	22.66	25	20.57	16	20.00	9	22.27
27	22.67	Nov. 1	20.75	24	19.83	16	22.39
Mar. 6	22.61	7	21.08	Aug. 2	19.69	23	22.65
13	22.39	16	21.16	8	19.58	30	22.67
21	22.10	24	21.32	16	19.41	May 8	22.49
29	21.85	Dec. 1	21.44	23	19.74	17	22.45
Apr. 6	21.90	13	21.70	30	19.67	23	22.34
12	21.84	22	20.73	Sept. 5	19.62	29	22.31
18	21.77	27	21.74	11	19.54	June 5	22.18
26	21.63	Jan. 12, 1962	21.71	Oct. 1	19.60	13	21.86
May 3	21.52	18	21.78	12	19.48	19	21.80
10	21.33	26	21.97	19	19.57	26	21.77
17	21.21	Feb. 2	22.13	26	19.83	July 9	21.48
24	21.07	8	22.23	Nov. 1	19.90	16	21.41
31	21.02	15	22.16	9	19.85	23	21.34
June 9	20.95	26	22.22	16	19.82	30	21.39
14	20.94	Mar. 6	22.18	Dec. 3	19.91	Aug. 6	21.25
22	20.76	13	22.24	10	20.04	13	20.94
28	20.75	20	22.36	18	20.19	21	21.20
July 5	20.81	28	22.39	26	20.36	Sept. 3	21.31
12	20.60	Apr. 3	22.23	Jan. 3, 1963	20.59	11	21.20
20	20.61	10	22.05	9	20.83	16	21.26
26	20.48	16	21.95	16	21.26	23	21.68
Aug. 2	20.54	24	21.91	23	21.49	Oct. 3	21.68
9	20.42	May 2	21.81	30	21.76	9	21.76
16	20.39	14	21.57	Feb. 6	21.88	17	21.70
25	20.31	22	21.54	15	21.79	23	21.79

212106N1575337--Continued.

Date	Water Level	Date	Water Level	Date	Water Level	Date	Water Level
Oct. 30, 1963	21.75	Apr. 23, 1964	21.88	Dec. 13, 1964	21.38	June 7, 1965	22.50
Nov. 6	21.82	28	21.73	23	21.48	14	22.25
12	21.88	May 8	21.43	30	21.38	24	21.88
19	21.75	14	21.24	Jan. 6, 1965	22.13	July 1	21.73
27	22.02	21	21.05	15	22.59	8	21.69
Dec. 2	22.16	25	21.15	21	22.65	13	21.82
10	22.23	June 10	20.57	29	23.07	23	21.51
19	22.41	18	20.31	Feb. 11	22.81	25	21.51
26	22.57	Aug. 13	19.55	18	22.73	Aug. 2	21.45
Jan. 3, 1964	22.70	20	19.57	24	22.64	10	21.23
9	22.81	28	19.49	Mar. 4	22.48	18	21.20
15	22.97	Sept. 3	19.48	11	22.25	25	21.30
23	23.00	10	19.56	17	22.11	Sept. 2	21.32
30	22.85	17	19.65	25	22.03	9	21.10
Feb. 6	22.77	Oct. 8	19.86	Apr. 1	22.03	15	21.37
13	22.60	15	19.56	5	21.97	27	21.34
19	22.44	23	19.55	15	22.13	Oct. 7	21.21
25	22.20	28	19.81	23	22.11	11	21.34
Mar. 6	21.99	Nov. 5	19.83	28	22.16	18	21.79
13	21.80	12	20.29	May 4	22.29	28	22.03
19	21.71	19	20.16	12	22.47	Nov. 4	22.13
25	21.84	20	20.45	17	22.62	15	22.65
30	22.12	Dec. 3	20.87	28	22.60	Dec. 22	23.87
Apr. 9	22.10	11	21.18	June 4	22.54	27	24.17
16	21.91						

212238N1575611. Local number 187B. U. S. Navy. Aiea. Drilled industrial artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 12 in, depth 173 ft, cased to 143. MP top of flange on 12-in T, 8.76 ft above msl. Highest water level 25.90 above msl, Jan. 16, 1928 (previously reported 27.10 above msl, Feb. 23, 1937); lowest 15.06 above msl, Aug. 19, 1945. Records available: 1928-31, 1934-65 (previously reported 1922, 1925-60).

Jan. 4, 1961	19.32	Jan. 26, 1962	18.86	Feb. 20, 1963	19.11	Feb. 25, 1964	18.95
12	19.40	Feb. 2	19.25	26	18.66	Mar. 6	18.80
19	19.31	8	19.17	Mar. 11	19.04	13	18.50
26	19.52	15	18.85	19	18.91	19	18.45
Feb. 2	19.65	26	19.15	27	19.01	25	18.90
10	19.43	Mar. 6	18.88	Apr. 3	19.44	30	19.25
20	19.60	13	19.15	16	19.69	Apr. 9	18.97
27	19.61	20	19.49	19	19.95	16	18.88
Mar. 6	19.67	Apr. 3	18.96	23	20.21	23	18.45
14	18.92	10	18.65	30	20.12	28	18.23
21	18.07	16	18.47	May 8	19.75	May 8	18.02
Apr. 6	18.41	24	18.10	17	19.91	14	17.95
12	18.32	May 2	18.50	23	20.00	21	17.80
18	18.28	May 14	18.21	29	19.94	25	18.00
26	18.12	22	18.17	June 5	19.51	June 4	17.68
May 3	18.25	29	18.02	13	19.25	10	17.42
10	17.85	June 5	18.01	19	18.96	18	17.25
17	17.85	12	17.75	26	18.97	23	17.17
24	17.70	19	17.47	July 9	18.90	July 2	17.33
31	17.59	25	17.43	16	18.80	9	16.95
June 9	17.54	July 2	17.40	23	18.75	16	16.97
14	17.51	9	17.44	30	19.02	23	16.75
22	17.47	16	17.26	Aug. 6	18.75	31	16.75
28	17.43	24	17.00	13	18.70	Aug. 6	16.90
July 5	17.72	Aug. 2	16.92	21	18.80	13	16.95
12	17.35	8	16.95	3	18.76	20	16.75
20	17.52	16	16.73	11	18.78	28	16.80
26	17.12	23	16.49	16	18.54	Sept. 3	16.80
Aug. 2	17.05	30	16.47	25	19.20	10	16.90
9	17.02	Sept. 5	16.50	Oct. 3	18.99	17	16.80
16	17.06	11	16.58	9	19.01	25	16.80
25	16.87	Oct. 1	16.43	17	19.00	30	16.80
Sept. 1	16.78	12	16.28	23	19.02	Oct. 8	16.80
11	16.75	19	16.61	30	19.18	15	16.80
19	16.63	26	17.04	Nov. 6	18.93	23	16.80
Oct. 2	16.82	Nov. 1	16.96	11	18.92	28	16.80
12	16.87	9	16.86	19	19.00	Nov. 5	16.90
17	17.00	16	16.80	27	19.18	12	17.10
25	17.32	Dec. 3	16.82	Dec. 2	19.44	19	17.05
Nov. 1	17.75	10	16.86	10	19.53	25	17.50
7	18.10	18	16.86	19	19.66	Dec. 3	18.15
16	17.98	26	17.54	26	19.76	11	18.4
24	18.17	Jan. 3, 1963	17.88	Jan. 3, 1964	20.00	18	18.85
Dec. 1	18.25	9	18.26	9	20.20	23	19.05
13	18.57	16	18.74	15	20.25	30	19.50
22	18.47	23	18.98	23	20.28	Jan. 6, 1965	19.75
27	18.63	30	19.30	30	19.95	15	20.15
Jan. 12, 1962	18.23	Feb. 6	19.44	Feb. 6	19.60	21	20.27
18	18.49	15	19.28	13	19.35	29	20.27
				19	19.25	Feb. 11	20.21

212238N1575611--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 18, 1965	20.04	May 12, 1965	19.85	Aug. 2, 1965	19.02	Oct. 18, 1965	19.10
24	19.87	17	20.07	10	18.92	28	19.53
Mar. 4	19.65	28	20.11	18	18.86	Nov. 4	19.13
11	19.53	June 4	19.92	25	18.72	9	19.43
17	19.37	7	19.92	Sept. 2	18.61	15	20.18
25	19.17	14	19.73	9	18.63	22	20.83
Apr. 1	19.15	24	19.44	15	18.77	30	20.95
5	19.07	July 1	19.25	23	18.52	Dec. 9	20.98
15	19.17	8	19.23	27	18.49	13	19.95
23	19.29	13	19.27	Oct. 7	18.42	22	21.57
28	19.34	23	19.11	15	18.90	27	21.85
May 4	19.52	26	19.13				

212232N1575822. Local number 201. U. S. Navy. Pearl City. Drilled irrigation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 12 in, depth 336 ft, cased to 58. MP top of upper flange on valve, 13.17 ft above msl. Highest water level 31.21 above msl, February 1916; lowest 13.74 above msl, Oct. 12, 1962. Records available: 1910-21, 1923, 1926, 1929-65 (previously reported 1910-60).

Jan. 4, 1961	16.13	May 2, 1962	15.41	Aug. 21, 1963	15.88	Oct. 23, 1964	13.79
19	16.17	14	15.22	Sept. 3	15.92	28	13.82
26	16.20	22	15.11	11	15.87	Nov. 5	13.88
Feb. 2	16.59	29	14.96	16	15.78	12	14.06
10	16.19	June 5	14.82	25	16.15	19	14.09
20	16.37	12	14.67	Oct. 3	15.90	25	14.61
27	16.35	19	14.52	9	15.97	Dec. 3	15.23
Mar. 6	16.21	25	14.47	17	15.97	11	16.48
14	15.85	July 2	14.37	23	15.99	18	16.01
21	15.72	9	14.40	30	15.91	23	16.33
29	15.52	16	14.25	Nov. 6	16.11	30	16.60
Apr. 6	15.45	24	14.17	12	16.15	Jan. 6, 1965	16.88
12	15.30	Aug. 2	14.04	19	16.10	15	17.25
18	15.25	8	14.05	27	16.21	21	17.29
26	15.16	16	13.93	Dec. 2	16.54	28	17.23
May 3	15.07	23	13.91	10	16.60	Feb. 11	17.04
10	15.01	30	13.80	19	16.53	18	16.83
17	14.88	Sept. 5	13.88	26	16.66	Mar. 2	16.55
24	14.80	11	13.82	Jan. 3, 1964	16.78	4	16.39
31	14.67	Oct. 1	13.78	9	17.10	11	16.22
June 9	14.66	12	13.74	15	17.17	17	16.06
14	14.60	19	13.89	23	17.02	26	15.87
22	14.62	26	14.30	30	16.59	Apr. 1	15.86
28	14.50	Nov. 1	14.22	Feb. 6	16.27	5	15.89
July 5	14.77	9	14.15	13	15.89	15	15.92
12	14.43	16	14.11	19	15.82	23	15.76
20	14.51	Dec. 3	14.17	25	15.67	28	15.69
26	14.39	10	14.10	Mar. 6	15.39	May 4	16.59
Aug. 2	14.33	18	14.28	13	15.18	12	16.83
9	14.31	26	14.82	19	15.20	21	17.22
16	14.23	Jan. 3, 1963	15.22	25	15.68	28	16.93
25	14.15	9	15.52	30	16.13	June 4	16.78
Sept. 1	14.15	16	16.04	Apr. 9	15.74	7	16.82
11	14.08	23	16.22	16	15.60	14	16.59
19	14.05	30	16.48	23	15.52	24	16.26
Oct. 2	14.10	Feb. 6	16.63	28	15.29	July 1	16.00
12	14.10	15	16.26	May 8	14.97	8	16.06
17	14.23	20	16.07	14	14.84	13	16.10
25	14.57	26	15.65	21	14.80	22	15.96
Nov. 1	15.00	Mar. 11	15.92	25	14.77	26	16.04
7	15.36	19	15.85	June 4	14.66	Aug. 2	15.90
16	15.18	27	16.00	10	14.42	18	15.72
24	15.31	Apr. 3	16.44	18	14.29	25	15.90
Dec. 1	15.27	9	16.68	23	14.17	Sept. 2	15.59
13	15.67	16	17.05	July 2	14.42	9	15.63
22	15.46	23	17.24	9	14.06	15	15.57
27	15.55	30	17.05	16	13.97	23	15.52
Jan. 12, 1962	15.27	May 8	16.69	23	13.91	27	15.52
18	15.69	17	16.82	31	13.96	Oct. 7	15.38
26	16.04	23	16.77	Aug. 6	13.89	15	16.04
Feb. 2	16.35	29	16.69	13	13.98	18	16.32
8	16.30	June 5	16.52	20	13.83	28	16.22
15	15.97	13	16.32	28	13.83	Nov. 4	16.17
26	16.27	19	16.20	Sept. 3	13.82	9	16.41
Mar. 6	15.79	26	16.11	10	13.93	15	17.75
13	16.14	July 9	16.02	17	13.83	22	18.11
20	16.44	16	15.94	25	13.80	30	18.20
28	16.15	23	15.92	30	13.84	Dec. 9	17.86
Apr. 3	15.96	30	16.12	Oct. 8	13.80	15	18.30
10	15.75	Aug. 6	15.92	13	13.81	22	18.90
16	15.47	13	15.87	15	13.81	27	19.12
24	15.35						

212317N1580032. Local number 244. B. P. Bishop Estate. Waipahu. Drilled observation (previously reported domestic) artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, original depth 225 ft, depth in 1960, 224 ft; original casing 12 in to 58 ft; recased February 1960, $\frac{3}{4}$ -in to 214 ft. MP top of $\frac{3}{4}$ -in standpipe, 18.39 ft above msl (since Oct. 1, 1962). Highest water level 30.02 above msl, February 1916; lowest 14.80 above msl, July 26, 1945. Records available: 1910-21, 1923-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1961	18.99	Apr. 24, 1962	17.97	Aug. 28, 1963	18.49	Oct. 28, 1964	15.24
12	18.86	May 2	17.98	Sept. 1	18.94	Nov. 5	15.39
19	18.95	14	17.79	11	18.37	12	15.60
26	19.21	22	17.51	1	18.27	19	15.69
Feb. 2	19.97	29	17.37	25	18.68	25	16.89
10	19.03	June 5	17.07	Oct. 3	18.29	Dec. 3	18.20
20	19.46	12	16.95	4	18.55	11	18.57
27	19.30	19	16.77	17	18.43	18	19.48
Mar. 6	18.86	25	16.68	23	18.41	23	19.89
14	18.39	July 2	16.52	30	18.48	30	20.27
21	18.15	9	16.67	Nov. 6	18.66	Jan. 6, 1965	20.45
29	17.91	16	16.44	12	18.77	14	21.05
Apr. 6	17.66	24	16.27	19	18.73	21	21.37
12	17.49	Aug. 2	16.02	27	18.77	28	21.2
18	17.49	8	16.05	Dec. 2	19.87	Feb. 11	19.89
26	17.31	16	15.87	10	19.52	18	19.58
May 3	17.37	23	15.88	19	19.14	Mar. 2	19.39
10	17.06	30	15.78	26	19.74	4	19.10
17	16.95	Sept. 5	15.99	Jan. 3, 1964	20.14	11	18.69
24	16.87	11	15.67	9	20.54	17	19.35
31	16.61	Oct. 1	15.55	15	20.99	23	18.41
June 9	16.57	12	15.48	23	20.55	Apr. 1	18.27
14	16.57	19	15.82	30	19.34	5	18.24
22	16.45	26	16.60	Feb. 6	18.80	15	18.27
28	16.38	Nov. 1	16.52	13	18.09	23	18.37
July 5	16.88	9	16.43	19	18.28	28	18.40
12	16.20	16	16.21	25	18.08	May 4	19.51
20	16.43	Dec. 3	16.49	Mar. 6	17.68	12	19.45
26	16.29	10	16.26	13	17.46	21	20.28
Aug. 2	16.20	18	16.45	19	17.29	28	19.54
9	16.17	26	17.62	25	18.77	June 4	19.34
16	16.15	Jan. 3, 1963	18.30	30	19.21	7	19.43
25	16.01	9	18.81	Apr. 9	18.27	14	18.78
Sept. 1	15.84	16	19.86	16	17.96	24	18.56
11	15.87	23	20.19	23	17.80	July 1	18.29
19	15.74	30	20.37	28	17.56	8	18.28
Oct. 2	15.79	Feb. 6	20.66	May 8	17.06	13	18.40
12	15.81	15	19.79	14	16.91	22	18.18
17	16.02	20	19.17	21	16.86	26	18.29
25	16.73	26	18.34	25	16.82	Aug. 2	18.10
Nov. 1	17.54	Mar. 11	18.88	June 4	16.65	10	17.79
7	18.15	19	19.09	10	16.46	18	17.66
16	17.46	27	19.43	18	16.20	25	18.21
24	17.73	Apr. 3	19.99	23	16.09	Sept. 2	17.60
Dec. 1	17.41	9	20.54	July 2	17.01	9	17.75
13	18.19	16	21.31	9	15.99	15	17.51
22	18.06	23	21.34	16	15.74	21	17.45
27	18.12	30	20.79	23	15.69	27	17.51
Jan. 12, 1962	17.62	May 8	20.40	31	15.71	Oct. 7	17.29
18	18.61	17	20.12	Aug. 6	15.56	15	19.12
26	19.15	23	20.18	13	15.69	19	19.30
Feb. 2	20.10	29	19.89	20	15.39	23	18.83
8	19.86	June 5	19.63	28	15.34	Nov. 4	18.58
15	19.10	13	19.24	Sept. 3	15.27	9	19.30
26	19.52	19	19.01	10	15.55	16	21.85
Mar. 6	18.44	26	18.76	17	15.26	22	21.87
13	19.33	July 9	18.74	25	15.25	30	21.76
20	20.04	16	18.62	30	15.25	Dec. 9	20.84
28	19.10	23	18.61	Oct. 8	15.23	15	22.24
Apr. 3	18.95	30	18.84	15	15.16	22	23.0
10	18.67	Aug. 6	18.66	23	15.24	27	23.7
16	18.15	13	18.54				

212154N1580152. Local number 268. Hawaii Meat Co. Honolulu. Drilled irrigation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 10 in, depth 355 ft, cased to 165. MP top of blind flange on well, 15.16 ft above msl. Highest water level 29.16 above msl, April 1918; lowest 12.54 above msl, Sept. 24, 1945. Records available: 1910-21, 1923-65 (previously reported 1910-60).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1961	18.06	Apr. 8, 1961	16.05	June 28, 1961	14.59	Oct. 2, 1961	13.79
12	17.44	12	15.92	July 5	15.25	12	13.88
19	17.61	18	15.80	12	14.50	17	14.01
26	18.76	26	15.40	20	14.54	25	15.06
Feb. 2	20.05	May 3	16.37	26	14.33	Nov. 1	16.69
10	17.56	10	15.26	Aug. 2	14.30	7	17.05
20	18.26	17	15.37	9	14.16	16	15.77
27	18.24	24	15.00	16	14.10	24	16.08
Mar. 6	17.50	31	14.85	25	13.88	Dec. 1	15.47
14	16.84	June 9	14.80	Sept. 1	13.76	13	16.48
21	16.68	14	14.81	11	13.94	25	16.12
29	16.26	22	14.68	19	13.70	27	16.66

212154N1580152--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1962	16.26	Jan. 30, 1963	20.49	Jan. 30, 1964	17.80	Jan. 21, 1965	19.86
18	17.27	Feb. 6	20.74	Feb. 6	17.61	28	18.66
26	18.79	15	19.13	13	16.88	Feb. 18	17.35
Feb. 2	19.79	20	18.06	19	16.82	Mar. 2	17.23
8	19.14	26	16.95	25	16.73	4	16.87
15	17.39	Mar. 11	17.71	Mar. 6	16.06	11	16.63
26	19.30	19	18.71	13	15.82	17	16.25
Mar. 6	16.99	27	19.26	19	15.82	23	16.18
13	19.18	Apr. 3	20.26	25	18.23	Apr. 1	16.04
20	20.16	9	20.99	30	19.46	5	16.15
28	18.36	16	21.66	Apr. 9	16.98	15	16.07
Apr. 3	18.06	23	21.57	16	16.50	23	16.21
10	17.79	30	19.81	23	16.61	28	16.22
16	16.89	May 8	19.09	28	16.14	May 4	18.23
24	16.44	17	18.91	May 8	15.56	12	17.86
May 2	16.39	23	18.95	14	15.42	21	18.95
14	16.34	29	18.78	21	15.30	28	17.50
22	15.86	June 5	18.47	25	15.29	June 4	17.32
29	15.70	13	17.86	June 4	14.99	7	17.42
June 5	15.34	19	17.68	18	14.64	16	16.70
12	15.17	26	17.44	23	14.45	24	16.37
19	15.01	July 9	17.34	July 2	14.84	July 1	16.02
25	14.93	16	17.12	9	14.39	8	16.10
July 2	14.78	23	17.14	16	13.84	13	16.10
9	14.87	30	17.36	23	13.95	22	15.78
16	14.54	Aug. 6	17.04	31	13.89	26	16.02
24	14.29	13	17.01	Aug. 6	13.83	Aug. 2	15.78
Aug. 2	14.07	21	16.93	13	13.96	10	15.55
8	14.09	Sept. 3	17.80	20	13.66	18	15.40
16	13.92	11	16.75	28	13.60	25	15.70
23	13.89	16	16.68	Sept. 3	13.54	Sept. 2	15.34
30	13.71	25	17.16	10	13.95	9	15.52
Sept. 5	14.09	Oct. 3	16.76	17	13.55	15	15.30
11	13.67	9	17.02	25	13.57	24	15.17
Oct. 1	13.74	17	16.86	30	13.53	27	15.34
12	13.45	23	16.70	Oct. 8	13.53	Oct. 7	15.02
19	13.86	30	16.92	15	13.43	15	17.55
26	15.03	Nov. 6	17.28	23	13.61	19	18.04
Nov. 1	15.04	12	17.48	28	13.60	28	16.94
9	14.91	19	17.45	Nov. 5	13.79	Nov. 4	16.41
16	14.37	27	17.55	12	14.00	9	17.37
Dec. 3	14.79	Dec. 2	18.62	25	16.75	16	20.39
10	14.58	10	18.05	Dec. 3	17.40	22	20.83
18	14.69	19	18.02	11	18.27	30	20.12
26	17.25	26	19.45	18	19.31	Dec. 9	18.73
Jan. 3, 1963	17.58	Jan. 3, 1964	19.09	23	18.72	16	22.5
9	18.89	9	20.58	30	19.10	22	23.4
16	19.70	15	20.99	Jan. 6, 1965	18.82	27	23.9
23	20.10	23	18.94	15	19.32		

212016N1580636. Local number 276. Ewa Plantation Co. Gilbert. Drilled battery of four irrigation artesian basal-water wells in basalt of Waianae Volcanic Series, Pliocene(?) age, diam 12 in, average depth 160 ft, casing unknown. MP information not available. Highest water level 16.7 above msl, February 1909; lowest 10.41 above msl, Dec. 11, 1962. Records available: 1909-65 (previously reported 1905, 1908-60). Records furnished by Ewa Plantation Co.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1961	11.81	Jan. 12, 1962	11.31	Dec. 11, 1962	10.41	May 5, 1963	12.84
31	12.98	31	13.06	28	12.39	10	12.93
Feb. 3	12.89	Feb. 8	12.14	Jan. 3, 1963	12.15	17	11.98
23	11.67	26	13.16	11	12.73	June 2	12.89
Mar. 5	12.64	Mar. 7	11.81	18	12.87	27	11.76
24	11.39	21	13.23	25	12.87	July 5	11.85
Apr. 2	12.05	Apr. 1	12.80	31	13.14	7	12.33
18	11.18	18	11.81	Feb. 11	13.06	28	11.68
May 3	12.00	May 13	12.77	15	12.06	Aug. 20	11.39
28	10.95	23	11.77	22	11.53	29	12.06
June 2	10.81	June 4	12.43	Mar. 1	11.79	Sept. 2	12.12
25	11.71	14	11.51	8	12.14	23	11.37
July 15	11.18	July 2	12.10	15	12.00	Oct. 1	11.75
16	11.58	10	11.56	22	13.02	4	11.77
Aug. 12	11.35	Aug. 6	11.51	29	13.14	17	12.23
13	11.58	26	11.08	31	13.18	Nov. 4	12.23
Oct. 13	10.89	Sept. 3	11.51	Apr. 5	13.35	6	11.43
23	12.43	28	10.93	12	13.39	29	12.06
Nov. 5	12.51	Oct. 6	11.10	19	13.50	Dec. 17	11.52
18	11.48	24	12.09	23	13.56	20	11.66
Dec. 22	11.27	Nov. 1	11.04	26	12.49	27	12.18
25	12.73	4	12.00	27	12.42	28	12.52

212016N1580636--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1964	12.93	May 25, 1964	11.62	Jan. 23, 1965	13.98	May 25, 1965	11.46
28	11.71	June 6	11.73	27	11.89	June 10	11.60
Feb. 2	12.43	8	11.54	Feb. 12	11.44	22	10.85
17	11.91	July 4	11.71	15	13.98	Oct. 14	11.92
Mar. 13	11.18	6	12.18	Mar. 7	12.08	24	12.56
29	12.88	Nov. 24	11.73	28	11.27	Nov. 12	12.67
Apr. 1	12.64	26	12.05	Apr. 11	11.50	29	13.27
7	11.56	Dec. 8	13.89	26	10.98	Dec. 5	12.23
May 10	11.87	31	12.93	May 20	12.27	24	14.18

213446N1581049. Local number 286. Waialua Agricultural Co. Kawaihapi. Drilled unused artesian basal-water well in basalt of Waianae Volcanic Series, Pliocene(?) age, diam 1 in, depth 447 ft, cased to 447, perforated 410-447. MP top of 12-in stilling well, 20.53 ft above msl (since May 1963). Highest water level 19.38 above msl, Nov. 30, 1965 (previously reported 19.23 above msl, Oct. 30, 1952); lowest 16.08 above msl, Aug. 6, 1929 (previously reported 16.34 above msl, June 26, 1936). Records available: 1929-65. Recording gage installed Jan. 30, 1963, U.S. Geological Survey.

Jan. 30, 1961	18.67	Aug. 29, 1961	17.99	Feb. 28, 1962	18.38	Aug. 28, 1962	17.68
Feb. 23	18.33	Sept. 27	17.97	Mar. 27	18.18	Oct. 4	17.97
Mar. 28	17.83	Oct. 24	18.09	Apr. 25	17.97	29	18.27
Apr. 21	17.83	Nov. 21	18.18	May 24	17.92	Nov. 27	17.90
May 22	18.09	Dec. 28	18.33	June 20	17.74	Dec. 4	17.88
June 23	17.80	Jan. 30, 1962	18.38	July 25	17.76	27	18.39
July 24	17.98						

Mean water level for the day, above msl, from recorder graph, 1963

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.54	.....	18.56	18.61	18.69	18.62	18.68	18.80	18.92	18.63	18.75
10	18.50	.....	18.47	18.40	18.65	18.52	18.84	18.80	18.81	18.85	18.98
15	18.41	.....	18.34	18.53	18.66	18.59	18.76	18.93	18.81	18.82	19.04
20	18.45	.....	18.61	18.80	18.53	18.49	18.87	18.86	18.95	18.63	19.08
25	18.44	.....	18.54	18.70	18.84	18.51	18.49	18.95	18.79	18.61	19.14
Eom	18.59	18.55	18.46	18.61	18.88	18.64	.....	18.84	18.86	18.58	18.93	19.04

1964

5	19.14	18.62	18.48	18.85	18.53	18.46	18.68	18.50	18.58	18.69	18.87	18.84
10	19.02	18.79	18.73	18.54	18.70	18.44	18.48	18.65	18.70	18.79	18.92	18.63
15	19.02	18.74	18.75	18.60	18.49	18.44	18.47	18.79	18.59	18.66	18.89	18.93
20	19.02	18.52	18.58	18.61	18.46	18.58	18.55	18.64	18.81	18.68	18.80	.....
25	19.04	18.50	18.89	18.68	18.53	18.35	18.62	18.54	18.73	18.74	18.96	.....
Eom	18.75	18.63	18.89	18.47	18.67	18.35	18.60	18.71	18.68	18.72	18.85	.....

1965

5	.....	19.12	18.81	18.57	18.83	18.76	18.84	18.84	18.94	18.78	19.08	19.32
10	19.18	19.09	18.67	18.88	18.77	18.60	18.68	18.76	18.82	18.98	19.28	19.30
15	19.25	19.09	18.60	18.99	18.84	18.62	18.78	18.92	18.88	19.06	19.30	19.28
20	19.23	19.01	18.61	18.95	18.94	18.70	18.76	18.76	18.80	19.22	19.30	19.34
25	19.17	19.00	18.64	18.89	18.73	18.52	18.90	.....	18.98	19.14	19.28	19.34
Eom	19.10	19.06	18.47	18.71	18.71	18.48	18.88	.....	18.82	19.16	19.38	19.30

e Estimated.

213435N1580911. Local number 308. J. F. Mendonca. Mokuleia. Drilled domestic (previously reported irrigation) artesian basal-water well in basalt of Waianae Volcanic Series, Pliocene(?) age, diam 10 to 8 in, depth 518 ft (previously reported 548 ft), cased to 440. MP top of flange on well 307, 7.51 ft above msl. Highest water level 21.0 above msl, Nov. 18, 1965; lowest 16.75 above msl, Aug. 6, 1929 (previously reported 16.81 above msl, July 25, 1927). Records available: 1924-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1961	19.72	Apr. 25, 1962	18.87	July 22, 1963	19.82	Oct. 26, 1964	20.22
Feb. 23	19.32	May 24	18.44	Aug. 23	20.07	Nov. 24	20.5
Mar. 28	18.82	June 20	18.82	Sept. 26	19.82	Dec. 28	20.1
Apr. 21	18.72	July 25	19.12	Oct. 24	20.02	Jan. 27, 1965	19.3
May 22	19.12	Aug. 28	19.07	Nov. 26	20.22	Mar. 3	19.7
June 23	19.02	Oct. 4	19.57	Dec. 27	20.42	30	20.0
July 24	18.92	29	19.51	Jan. 24, 1964	20.22	Apr. 26	20.0
Aug. 29	19.02	Dec. 4	19.22	Feb. 27	19.52	May 24	20.1
Sept. 27	19.32	27	19.62	Mar. 31	20.12	June 17	19.9
Oct. 24	19.52	Jan. 24, 1963	19.77	Apr. 30	19.72	July 27	20.4
Nov. 21	19.37	Feb. 25	18.72	May 26	19.72	Aug. 24	19.9
Dec. 28	19.52	Mar. 25	19.32	June 22	19.82	Sept. 29	20.1
Jan. 30, 1962	19.42	Apr. 24	19.72	July 27	19.92	Oct. 20	20.5
Feb. 28	19.19	May 24	19.72	Aug. 27	20.22	Nov. 18	21.0
Mar. 27	19.12	June 25	19.41	Sept. 28	20.22	Dec. 7	20.6

213455N1580653. Local number 326. Waialua Agricultural Co. Waialua. Drilled irrigation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 6 in (previously reported 8 in), depth 201 ft, cased to 114. MP top of blind flange on well, 4.69 ft above msl. Highest water level 13.35 above msl, December 1914; lowest 9.19 above msl, Apr. 24, 1946. Records available: 1911-21, 1924-65.

213455N1580653--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1961	11.39	Apr. 25, 1962	10.85	July 22, 1963	11.54	Oct. 23, 1964	11.16
Feb. 23	11.19	May 24	10.65	Aug. 23	11.64	Nov. 21	11.79
Mar. 28	10.66	June 20	10.58	Sept. 26	11.50	Dec. 2	12.30
Apr. 21	10.27	July 25	10.65	Oct. 24	11.69	Jan. 27, 1965	12.1
May 22	10.62	Aug. 28	10.30	Nov. 26	12.05	Feb. 23	11.68
June 23	10.46	Oct. 4	10.28	Dec. 27	12.24	Mar. 3	10.81
July 24	10.84	29	11.13	Jan. 24, 1964	11.77	Apr. 23	11.27
Aug. 29	10.84	Dec. 4	10.54	Feb. 27	10.94	May 21	11.57
Sept. 27	10.37	27	11.30	Mar. 31	11.70	June 19	10.83
Oct. 24	11.07	Jan. 24, 1963	11.54	Apr. 30	11.01	July 27	11.51
Nov. 21	11.09	Feb. 25	11.11	May 26	10.99	Aug. 24	11.22
Dec. 28	11.33	Mar. 25	11.17	June 22	10.95	Sept. 29	11.21
Jan. 30, 1962	11.59	Apr. 24	11.54	July 27	11.13	Oct. 20	12.26
Feb. 28	11.29	May 24	11.74	Aug. 27	10.74	Nov. 18	13.0
Mar. 27	11.09	June 25	11.26	Sept. 28	10.94	Dec. 7	12.46

214125N1580134. Local number 337. State of Hawaii. Waialeale. Drilled unused artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 8 in, original depth 63 ft, depth in 1960, 61 ft, cased to 36. N°P top of 4-in pipe, 21.89 ft above msl. Highest water level 15.60 above msl, Nov. 14, 1932; lowest 11.70 above msl, May 27, 1947. Records available: 1929-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1961	13.22	July 25, 1962	13.01	Apr. 24, 1963	12.78	July 27, 1964	13.41
Feb. 23	13.17	Aug. 15	12.62	May 24	12.94	Aug. 27	13.35
Mar. 28	13.03	28	12.86	27	12.92	Sept. 28	13.44
Apr. 21	13.09	Sept. 2	12.90	June 24	13.04	Oct. 26	13.39
May 22	12.99	Oct. 4	12.95	July 22	13.16	Nov. 24	13.44
June 23	13.21	5	12.90	Aug. 23	13.65	Dec. 28	13.47
July 24	13.38	29	13.01	28	13.77	Jan. 27, 1965	13.33
Aug. 29	13.24	30	13.01	Sept. 26	13.81	Feb. 25	13.26
Sept. 27	13.52	Nov. 29	12.91	30	13.82	Mar. 30	13.42
Oct. 24	13.42	Dec. 4	13.03	Oct. 24	13.93	Apr. 26	13.35
Nov. 21	13.19	12	13.19	Nov. 26	13.91	May 24	13.63
Dec. 28	13.06	27	13.23	Dec. 27	13.94	June 17	13.67
Jan. 30, 1962	13.21	Jan. 22, 1963	13.05	Jan. 24, 1964	13.77	July 27	14.18
Feb. 28	13.04	24	13.21	Feb. 27	13.52	Aug. 24	14.37
Mar. 27	12.88	Feb. 25	12.95	Mar. 31	13.47	Sept. 30	14.61
Apr. 25	13.09	26	12.91	Apr. 30	13.39	Oct. 20	14.83
May 24	12.79	Mar. 25	12.82	May 26	13.22	Nov. 18	14.91
June 20	12.84	Apr. 22	12.91	June 22	13.29	Dec. 7	14.87

214053N1575704. Local number 356. Kahuku Plantation Co. Kahuku. Drilled industrial artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 12 in, original depth 420 ft, depth in 1957, 397 ft, cased to 172 (previously reported cased to 159). MP top of 24-in stilling well, 16.11 ft above msl (since Apr. 30, 1964). Highest water level 17.12 above msl, January 1916; lowest 8.00 above msl, Oct. 5, 1962. Records available: 1911-18, 1921, 1926-65 (previously reported 1908, 1911-18, 1921, 1924-60). Recording gage installed Aug. 25, 1958, U.S. Geological Survey.

Mean water level for the day, above msl, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	11.13	11.35	10.95	10.00	10.00	9.65	8.95	9.00	8.80	8.35	10.75	10.70
10	11.00	10.60	9.35	9.90	9.80	8.60	8.95	8.40	8.90	8.70	10.80	10.95
15	10.95	11.20	9.10	10.45	9.80	8.80	8.80	8.50	8.15	9.30	10.65	11.00
20	10.50	.....	9.15	9.40	9.30	.....	8.85	9.00	8.15	9.85	10.50	11.00
25	10.50	11.40	9.45	9.10	8.80	.....	8.65	8.20	8.50	9.90	10.75	11.05
Eom	11.15	11.00	9.35	9.90	9.20	8.65	8.75	8.25	8.35	10.60	10.30	11.05
1962												
5	10.30	11.05	10.90	9.80	10.15	8.95	8.85	8.80	8.35	8.00	9.55	9.35
10	10.10	10.75	10.90	9.50	9.45	9.35	8.60	8.20	8.40	es.0	9.75	9.55
15	10.20	10.60	11.40	9.65	9.55	8.60	8.90	8.15	8.70	8.25	9.65	9.95
20	10.65	11.20	10.85	10.25	10.40	8.75	8.40	8.30	8.75	9.05	9.70	10.42
25	10.80	11.20	10.90	9.75	9.15	9.00	8.45	es.05	8.30	9.30	9.90	10.41
Eom	11.05	10.90	10.90	10.45	8.85	8.70	8.40	8.15	8.45	9.55	es.10	9.80
1963												
5	9.90	11.42	10.82	11.99	.....	10.91	10.60	10.15	9.69	9.85	10.11	10.25
10	10.60	11.41	11.29	12.16	12.58	10.80	10.15	10.05	9.58	9.83	10.26	11.40
15	10.90	10.41	10.70	12.43	13.16	10.65	10.35	9.90	9.94	9.72	10.47	11.60
20	10.99	9.66	11.35	e12.90	12.80	10.28	10.20	9.75	10.66	10.06	10.52	11.65
25	11.10	9.80	11.32	12.65	12.40	10.25	10.10	10.08	9.86	9.41	11.08	11.80
Eom	11.34	9.08	11.74	12.67	11.20	10.90	10.10	9.69	9.83	9.36	11.35	11.85
1964												
5	11.95	10.30	9.40	.....	.....	9.45	10.10	9.35	.....	.....	11.30	11.99
10	12.00	10.50	10.10	.....	10.25	9.25	9.60	9.50	.....	9.60	11.56	11.66
15	11.95	11.00	10.40	.....	9.65	9.50	9.35	.....	.....	9.15	11.66	12.08
20	11.90	9.70	9.55	.....	9.65	9.35	9.45	.....	.....	10.20	11.52	12.37
25	11.35	9.45	10.65	.....	9.85	9.05	9.95	.....	.....	10.25	11.95	12.48
Eom	10.65	9.40	.....	.....	10.00	9.15	9.50	.....	.....	10.76	11.48	12.55
1965												
5	12.60	12.85	11.95	.....	12.90	11.80	11.40	10.55	11.55	10.35	12.6	13.3
10	12.75	13.00	11.15	.....	13.00	11.25	11.00	10.75	10.60	10.75	12.6	13.35
15	12.85	13.00	11.20	.....	13.05	11.40	10.75	11.25	10.55	12.20	13.45	13.90
20	12.85	13.00	11.05	.....	12.85	11.65	10.85	10.60	10.60	12.35	.....	14.15
25	12.80	12.85	10.55	.....	12.10	10.95	11.60	10.50	10.60	12.35	.....	14.30
Eom	12.75	12.60	.....	12.00	11.80	10.95	11.00	10.65	10.40	12.75	13.40	14.35

e Estimated.

213623N1575436. Local number 396. Kahuku Plantation Co. Hauula. Drilled unused (previously reported domestic and irrigation) artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 8 in. MP top of blind flange on well, 15.52 ft above msl. Highest water level 24.98 above msl, June 1918; lowest 16.68 above msl, Sept. 23, 1953. Records available: 1911-19, 1921, 1924-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1961	19.23	May 24, 1962	18.09	Mar. 25, 1963	19.14	June 22, 1964	18.20
Feb. 23	19.10	June 20	17.41	Apr. 23	21.19	July 27	18.49
Mar. 28	18.49	July 25	17.35	24	21.34	Aug. 27	18.12
Apr. 5	18.02	Aug. 14	17.28	May 24	21.84	Sept. 28	18.38
21	17.47	28	16.94	28	21.73	Oct. 26	18.47
May 22	17.88	Sept. 2	17.28	June 24	20.10	Nov. 24	19.32
June 23	17.98	Oct. 4	16.98	25	20.37	Dec. 28	20.11
July 24	17.97	29	17.73	July 22	19.75	Jan. 26, 1965	20.30
Aug. 29	17.48	30	17.62	Aug. 23	18.97	Mar. 3	20.71
Sept. 27	16.82	Nov. 31	17.73	Sept. 26	19.35	Apr. 26	20.31
Oct. 24	17.83	Dec. 4	17.73	Oct. 24	19.24	June 17	20.92
Nov. 21	18.50	27	18.14	Nov. 26	18.64	July 27	20.35
Dec. 28	18.59	Jan. 23, 1963	18.67	Dec. 27	19.25	Aug. 24	20.15
Jan. 30, 1962	18.55	24	18.74	Jan. 24, 1964	18.79	Sept. 30	19.65
Feb. 28	18.59	Feb. 8	19.08	Feb. 27	18.52	Oct. 20	20.13
Mar. 27	19.07	25	18.77	Mar. 31	18.94	Nov. 18	21.53
Apr. 25	18.48	26	18.71	Apr. 30	19.10	Dec. 7	21.75

j Water from this well used for irrigation and domestic purposes until June 1965; well is now unused.

213327N1575244. Local number 405. M. E. Foster Estate. Kahana. Drilled domestic artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 10 in, depth 441 ft, cased to 177. MP top of flange on well, 5.76 ft above msl. Highest water level 21.2 above msl, May 24, 1955; lowest 14.90 above msl (previously reported 14.80), Oct. 25, 1946. Records available: 1935-65 (previously reported 1936-60).

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1961	17.46	Apr. 25, 1962	16.66	July 22, 1963	20.41	Oct. 26, 1964	16.96
Feb. 23	17.06	May 24	16.58	Aug. 23	19.76	Nov. 24	17.4
Mar. 28	17.06	June 20	16.46	Sept. 26	19.36	Dec. 28	18.1
Apr. 5	16.83	July 25	16.36	Oct. 24	18.83	Jan. 26, 1965	18.4
21	16.76	Aug. 28	16.16	Nov. 26	18.60	Mar. 3	19.6
May 22	16.56	Oct. 4	15.91	Dec. 27	18.16	30	19.6
June 23	16.36	29	15.95	Jan. 24, 1964	18.06	Apr. 26	19.4
July 24	16.56	Dec. 4	15.66	Feb. 27	17.56	May 24	21.2
Aug. 29	16.20	27	15.76	Mar. 31	17.56	June 18	20.9
Sept. 27	15.86	Jan. 24, 1963	15.96	Apr. 30	17.86	July 27	20.9
Oct. 24	15.76	Feb. 25	16.16	May 26	17.66	Aug. 24	20.8
Nov. 21	16.01	Mar. 25	16.56	June 22	17.66	Sept. 30	19.9
Dec. 28	15.98	Apr. 24	17.56	July 27	17.46	Oct. 20	19.9
Jan. 30, 1962	16.11	May 24	20.76	Aug. 27	17.06	Nov. 18	20.5
Feb. 28	15.88	June 24	17.46	Sept. 28	16.96	Dec. 7	20.6
Mar. 27	16.26						

213243N1575100. Local number 406. Mrs. F. M. Swanzy. Kaaawa. Drilled irrigation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 9 in, depth estimated 500 ft. MP chiseled cross on top of concrete box, 12.67 ft above msl. Highest water level 18.46 above msl, Dec. 7, 1965; lowest 12.27 above msl, Oct. 28, 1946 (previously reported 12.35 above msl, Aug. 27, 1946). Records available: 1929-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1961	15.23	Apr. 25, 1962	13.97	July 22, 1963	18.01	Oct. 26, 1964	14.94
Feb. 23	15.01	May 24	13.99	Aug. 23	17.95	Nov. 24	15.14
Mar. 28	14.82	June 20	13.82	Sept. 26	17.86	Dec. 28	15.41
Apr. 21	14.62	July 25	13.81	Oct. 24	17.63	Jan. 26, 1965	15.69
May 22	14.39	Aug. 28	13.68	Nov. 26	17.21	Mar. 3	16.38
June 23	14.26	Oct. 4	13.55	Dec. 27	16.83	30	16.69
July 24	14.27	29	13.50	Jan. 24, 1964	16.45	Apr. 27	16.79
Aug. 29	13.92	Dec. 4	13.41	Feb. 27	15.98	May 24	17.77
Sept. 27	13.82	27	13.45	Mar. 31	15.75	June 18	18.15
Oct. 24	13.90	Jan. 24, 1963	13.62	Apr. 30	15.63	July 27	18.43
Nov. 21	13.90	Feb. 25	13.72	May 26	15.56	Aug. 24	18.45
Dec. 28	13.77	Mar. 25	14.02	June 22	15.42	Sept. 30	18.05
Jan. 30, 1962	13.80	Apr. 24	15.75	July 27	15.32	Oct. 20	18.12
Feb. 28	13.76	May 24	17.12	Aug. 27	15.17	Nov. 18	18.34
Mar. 27	13.90	June 24	17.12	Sept. 28	15.02	Dec. 7	18.46

213215N1580543. Local number T-1. Waialua Agricultural Co. Kaukonahua Gulch. Drilled observation basal water-table well in basalt of Waianae Volcanic Series, diam 1 in, depth 292 ft, cased to 291, lower end perforated. MP top of 2-in pipe, 2 ft above ground, 276.25 ft above msl. Highest water level 19.85 above msl, July 1, 1941; lowest 13.08 above msl, Feb. 28, 1949. Records available: 1938-56, 1963-64. No measurement made 1957-62 or 1965. May 3, 1956, 17.58; Aug. 2, 18.08; Oct. 17, 1963, 16.95; Dec. 3, 18.00; Feb. 26, 1964, 17.74

213552N1580444. Local number T-2. Waialua Agricultural Co. Haleiwa. Drilled observation basal water-table well in basalt of Koolau Volcanic Series, diam $\frac{3}{4}$ -in, depth 344 ft, cased to 344, perforated 340-344. MP top of $\frac{3}{4}$ -in nipple, 0.7 ft above concreted box enclosure, 344.92 ft above msl. Highest water level 9.26 above msl, Apr. 2, 1945; lowest 4.36 above msl, May 2, 1950. Records available: 1938-56, 1964-65. No measurement made in 1957-63.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2, 1956	6.28	Mar. 25, 1964	4.40	Aug. 3, 1964	5.04	Dec. 30, 1964	5.42
Mar. 5	5.91	27	4.80	28	5.04	Jan. 26, 1965	5.42
Apr. 2	7.58	May 4	5.02	Sept. 30	4.98	Mar. 4	5.07
May 3	6.41	June 2	4.95	Nov. 25	5.10	Apr. 2	4.90
Aug. 1	7.11	29	4.87				

212050N1580712. Local number T-5. Honolulu Board of Water Supply. Near Makaiwa Gulch. Drilled observation basal water-table well in basalt of Waianae Volcanic Series, Pliocene(?) age, diam 6 in, depth 100 ft, cased to 85. MP top of $1\frac{1}{2}$ -in reducer, 80.41 ft above msl (since November 1963). Highest water level 5.48 above msl, Mar. 27, 1951; lowest 3.70 above msl, May 29, 1946, May 27, 1948 (previously reported 2.53 above msl, June 27, 1939). Records available: 1939-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1961	4.50	June 19, 1962	4.11	Aug. 21, 1963	4.33	Oct. 28, 1964	3.81
May 24	3.84	July 24	4.07	Sept. 25	4.46	Nov. 30	4.19
June 22	4.10	Aug. 30	3.80	Oct. 23	4.41	Dec. 29	4.51
July 26	4.06	Oct. 12	3.82	Nov. 20	4.36	Jan. 25, 1965	4.34
Aug. 25	4.10	26	3.99	Dec. 26	4.40	Mar. 2	4.13
Sept. 21	4.15	Dec. 3	4.04	Jan. 23, 1964	4.29	23	4.05
Oct. 23	4.47	26	4.25	Feb. 26	4.13	May 21	4.11
Nov. 20	4.12	Jan. 23, 1963	4.45	Apr. 1	4.46	June 17	3.85
Dec. 27	4.27	Feb. 26	4.37	29	4.15	July 29	3.89
Jan. 29, 1962	4.78	Mar. 28	4.67	May 27	3.97	Aug. 26	3.87
Feb. 26	4.69	Apr. 23	4.69	June 24	3.88	Sept. 28	4.12
Mar. 22	4.70	May 23	4.37	July 29	4.04	Oct. 19	4.57
Apr. 23	4.27	June 27	4.26	Aug. 31	3.92	Nov. 16	5.16
May 23	4.25	July 23	4.14	Sept. 30	3.95	Dec. 16	4.88

212349N1580724. Local number T-15. Honolulu Board of Water Supply. Nanakuli Valley. Drilled observation basal water-table well in basalt of Waianae Volcanic Series, Pliocene(?) age, diam $\frac{3}{4}$ -in, depth 489 ft, cased to 488, perforated 468-488. MP top of casing, 479.64 ft above msl. Highest water level 3.14 above msl, Feb. 25, 1943; lowest 1.42 above msl, Dec. 14, 1962. Records available: 1940-64. No measurement made in 1965. Apr. 24, 1961, 2.06; Sept. 21, 1.50; Feb. 13, 1962, 1.72; Dec. 14, 1.42; Apr. 26, 1963, 2.31; Jan. 22, 1964, 1.59; Oct. 20, 1.68.

212139N1580347. Local number T-20. U. S. Navy. Near Ewa. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 6 in, depth 137 ft, cased to 9. MP top of casing, 139.50 ft above msl. Highest water level 19.28 above msl, Jan. 28, 1943; lowest 15.13 above msl, Oct. 12, 1962. Records available: 1942-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1961	16.79	May 23, 1962	16.94	Aug. 21, 1963	16.48	Oct. 29, 1964	15.37
Feb. 24	17.00	June 19	16.55	Sept. 25	16.64	Nov. 30	15.97
Mar. 22	16.94	July 24	16.04	Oct. 23	16.52	Dec. 29	16.87
Apr. 24	16.35	Aug. 30	15.31	Nov. 20	16.38	Jan. 25, 1965	17.40
May 24	15.97	Oct. 12	15.13	Dec. 26	16.88	Mar. 2	16.79
June 22	15.82	26	15.69	Jan. 23, 1964	17.33	23	16.46
July 26	15.71	Dec. 3	15.54	Feb. 26	16.90	Apr. 29	16.22
Aug. 25	15.57	26	15.79	Mar. 30	16.02	May 27	16.35
Sept. 21	15.50	Jan. 23, 1963	16.79	Apr. 29	16.73	June 16	16.02
Oct. 23	15.92	Feb. 25	16.99	May 27	16.51	July 29	15.88
Nov. 20	16.25	Mar. 28	17.22	June 24	16.22	Aug. 26	15.89
Dec. 27	16.47	Apr. 23	17.89	July 29	15.94	Sept. 28	15.84
Jan. 29, 1962	17.01	May 23	17.79	Aug. 31	15.63	Oct. 19	16.22
Feb. 26	17.25	June 27	17.07	Sept. 3	15.57	Nov. 16	16.89
Mar. 22	17.42	July 23	16.79	30	15.51	Dec. 16	17.29
Apr. 23	17.12						

212127N1575320. Local number T-24. Honolulu Board of Water Supply. Manakuli Gulch. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 12 in, depth 115 ft, cased to 66. MP top of casing, 61.05 ft above msl. Highest water level 26.50 above msl, Feb. 11, 1957; lowest 19.37 above msl, Oct. 17, 1962. Records available: 1945-65. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	22.18	22.58	22.50	21.88	21.4	20.93	20.80	20.42	20.34	20.10	21.00	21.51
10	22.26	22.51	22.36	21.81	21.27	20.89	20.64	20.45	20.27	20.12	21.15	21.62
15	22.37	22.60	22.18	21.72	21.22	20.84	20.56	20.44	20.19	20.23	21.18	21.64
20	22.39	22.61	22.0	21.66	21.02	20.80	20.59	20.40	20.16	20.35	21.26	21.70
25	22.34	22.52	21.88	21.63	20.93	20.76	20.54	20.34	20.15	20.53	21.32	21.74
Eom	22.52	22.60	21.73	21.56	20.93	20.72	20.57	20.30	20.09	20.68	21.41	21.77

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	21.73	22.19	22.20	22.17	21.69	21.15	20.31	19.70	19.65	19.52	19.99	19.77
10	21.73	22.22	22.15	22.06	21.62	20.96	20.25	19.60	19.64	19.54	19.89	19.93
15	21.76	22.18	22.28	21.96	21.52	20.68	20.09	19.63	19.56	19.44	19.83	e20.0
20	21.80	22.29	22.36	21.85	21.56	20.53	19.87	19.63	19.56	19.60	19.82	20.19
25	21.92	22.27	22.37	21.82	21.37	20.33	19.82	19.75	19.51	19.84	19.75	20.31
Eom	22.04	22.27	22.27	21.90	21.26	20.31	19.67	19.64	19.59	19.84	19.72	20.46

1963

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	20.57	21.98	21.65	22.13	22.62	22.20	21.67	21.34	21.33	21.61	21.76	22.14
10	20.98	21.93	21.78	22.34	22.44	22.05	21.52	21.24	21.28	21.74	21.88	22.27
15	21.15	21.86	21.94	22.41	22.41	21.84	21.50	21.24	21.29	21.69	21.89	22.46
20	21.31	21.76	21.96	22.63	22.52	21.87	21.46	21.29	21.54	21.73	21.89	22.43
25	21.52	21.68	21.91	22.76	22.36	21.79	21.36	21.32	21.63	21.73	21.95	22.52
Eom	21.81	21.56	21.97	22.71	22.33	21.69	21.36	21.28	21.63	21.69	22.15	22.56

1964

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	22.76	22.79	22.04	22.15	21.48	20.69	20.06	19.63	19.46	19.60	19.86	e20.90
10	22.88	22.69	21.98	22.05	21.35	20.58	19.88	19.71	19.56	19.60	20.07	21.03
15	23.00	22.58	21.86	22.07	21.17	20.49	19.77	19.66	19.57	19.59	20.24	21.21
20	23.05	22.44	21.74	21.91	21.09	20.24	19.69	19.64	19.58	19.63	20.18	e21.37
25	23.00	22.28	21.86	21.80	21.11	20.15	19.75	19.57	19.55	19.63	20.38	21.57
Eom	22.89	22.15	22.10	21.70	20.96	20.07	19.72	19.53	19.64	19.78	20.71	21.89

212127N1575320--Continued.

Mean water level for the day, above msl, from recorder graph, 1965												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	22.07	22.68	22.36	21.86	22.25	22.45	21.75	21.34	e21.2	21.24	22.05	23.39
10	22.23	22.75	22.27	21.96	22.39	22.29	21.75	21.28	21.26	21.25	22.18	23.38
15	22.50	22.78	22.17	22.05	22.45	22.18	21.69	21.21	e21.3	21.43	22.60	23.62
20	22.61	22.57	22.01	22.07	22.57	22.06	21.61	21.15	e21.2	21.84	22.87	23.87
25	22.67	22.56	22.02	22.05	22.55	21.85	21.49	21.30	21.28	21.93	23.10	24.09
Eom	22.72	22.52	21.95	22.05	22.62	21.74	21.42	21.23	21.31	22.05	23.30	24.22

e Estimated.

212353N1575831. Local number T-27. Honolulu Board of Water Supply. Pearl City. Drilled observation basal water-table well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 12 in, depth 71 ft, cased to 60. MP top of casing, 48.10 ft above msl. Highest water level 22.42 above msl, Mar. 29, 1955; lowest 14.65 above msl, Oct. 11, 1962. Records available: 1946-65. Recording gage installed Dec. 17, 1946, removed Oct. 3, 1961; reinstalled July 27, 1962, by Honolulu Board of Water Supply. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	17.10	17.81	17.45	16.62	16.22	15.72	15.82	15.32	15.22	.....	.....	.....
10	17.21	17.40	17.02	16.62	16.05	15.70	15.62	15.28	14.90	.....	.....	.....
15	17.36	17.51	17.00	16.48	16.02	15.65	15.55	15.25	14.98	.....	.....	.....
20	17.25	17.65	17.00	16.30	15.95	15.68	15.55	15.2	14.96	.....	.....	.....
25	17.22	17.51	16.92	16.28	15.80	15.70	15.48	15.15	14.92	.....	.....	.....
Eom	17.56	17.50	16.72	16.18	15.75	15.55	15.35	15.12	15.05	.....	.....	.....

1962												
5	15.15	14.96	14.70	15.45	15.10
10	15.08	14.85	14.70	15.28	15.20
15	15.05	14.72	14.70	15.16	15.20
20	15.00	14.80	15.00	15.16	15.18
25	14.90	14.80	15.40	15.20	15.60
Eom	15.16	14.88	14.80	15.35	15.00	16.30

1963												
5	16.30	17.95	17.28	17.98	18.42	18.02	17.55	17.48	17.35	17.35	e17.5	17.5
10	16.85	18.02	e17.2	18.15	18.10	17.90	17.40	17.28	e17.2	17.4	e17.5	17.93
15	17.1	17.68	16.85	18.42	18.20	17.72	17.48	17.3	e17.2	17.3	17.40	18.08
20	17.4	17.48	17.22	18.68	18.42	17.62	17.38	17.33	17.60	17.3	17.4	17.82
25	17.68	17.20	e17.4	18.72	18.28	17.58	17.40	17.35	e17.4	17.30	17.62	18.00
Eom	17.84	16.82	17.52	18.55	18.10	17.50	17.55	17.32	e17.3	17.3	17.7	18.15

	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
1964												
5	18.36	17.68	16.80	17.35	16.40	15.85	15.38	14.98	14.88	14.82	14.93	16.44
10	18.53	17.65	16.75	17.12	16.32	15.70	15.20	15.03	e15.1	14.84	15.05	16.56
15	18.65	17.35	16.70	17.00	16.16	15.60	15.07	14.96	14.90	14.78	15.22	16.98
20	18.65	17.18	16.72	16.95	16.15	15.48	15.07	14.92	14.86	14.82	15.20	17.47
25	18.45	17.05	17.05	16.80	16.08	15.35	15.08	14.88	14.84	14.80	15.68	17.70
Eom	17.85	16.90	17.48	16.57	15.95	15.48	15.04	14.84	14.80	14.84	16.26	17.99

Year	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
5	18.21	18.53	17.75	17.33	17.97	18.14	17.53	17.15	16.87	16.63	17.42	19.40
10	18.40	18.50	17.71	17.41	18.13	17.90	17.47	17.12	16.91	16.58	17.73	19.28
15	18.65	18.55	17.53	17.37	18.20	17.88	17.36	17.02	16.81	17.22	19.03	e19.7
20	18.75	18.13	17.35	17.61	18.45	17.82	17.36	16.79	16.76	17.63	19.38	20.13
25	18.85	17.90	17.27	17.53	18.44	17.58	17.33	16.91	16.67	17.74	19.52	20.44
Eom	18.73	18.10	17.26	17.43	18.34	17.48	17.18	16.95	16.68	17.54	19.55	e20.7

e Estimated.

213439N1580608. Local number T-28. Waiialua Agricultural Co. Formerly Honolulu Board of Water Supply. Halemano (previously reported Halemano) Gulch, near Waiialua. Drilled observation basal water-table well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 12 in, depth 60 ft, cased to 39. MP top of casing, 38.83 ft above msl. Highest water level 12.90 above msl, Nov. 14, 1965; lowest 9.53 above msl, June 12, 1947. Records available: 1947-65. Recording gage installed by U.S. Geological Survey Dec. 15, 1964, and removed Mar. 1, 1965. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	11.92	11.81	11.10	10.75	11.6	11.31	11.3	11.30	11.55	11.34	12.25	11.9
10	11.92	11.6	10.8	10.85	11.3	11.20	11.3	11.3	11.50	11.44	12.19	12.11
15	11.96	11.68	10.75	10.62	11.40	11.13	11.22	11.3	11.51	11.76	12.04	12.16
20	12.0	11.66	10.84	10.32	11.14	11.20	11.26	11.49	11.33	11.6	12.03	12.07
25	11.9	11.62	10.80	11.19	10.93	11.47	11.39	11.22	11.41	11.7	12.01	12.06
Eom	11.90	11.54	10.65	11.30	11.05	11.09	11.2	11.23	11.35	11.7	11.91	12.11

1962												
5	.....	12.20	11.26	10.89	10.90	10.95	10.6	10.83	10.45	10.16	10.72	10.42
10	.....	12.06	11.28	10.92	11.14	11.15	10.68	10.39	10.69	10.14	10.64	10.79
15	12.08	11.92	.....	10.88	10.98	10.75	10.73	10.37	10.40	10.56	10.44	.....
20	12.14	12.20	11.53	10.91	11.17	10.71	10.48	10.64	10.42	10.71	10.52	.....
25	12.10	12.17	11.35	10.94	10.78	10.87	10.62	10.29	10.48	10.82	10.70	.....
Eom	.....	11.23	11.12	11.22	10.9	10.65	10.60	10.24	10.58	10.69	10.39	.....

1963												
5	.....	11.65	.....	.....	11.57	11.54	11.48	11.74	11.65	11.46	11.51	11.40
10	.....	11.49	11.16	11.79	11.36	11.65	11.36	11.64	11.62	11.46	11.80	11.94
15	11.28	11.34	10.58	.....	11.67	11.35	11.47	11.58	11.61	11.69	11.65	.....
20	11.31	11.09	10.90	11.76	11.90	11.14	11.44	11.77	11.81	11.88	11.63	.....
25	11.36	11.04	11.06	11.62	11.87	11.33	11.47	11.79	11.51	11.52	11.93	.....
Eom	11.63	10.63	11.17	11.51	11.80	11.39	11.60	.....	11.54	11.51	11.97	.....

213439N1580608--Continued.

Mean water level for the day, above msl, from recorder graph, 1964

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	11.29	10.95	11.64	11.17	10.96	11.18	10.90	10.83	10.85	11.20	11.32
10	12.05	11.36	11.35	11.25	11.28	10.89	10.64	11.16	10.60	10.85	11.19	11.06
15	11.85	11.40	11.41	11.42	11.04	11.05	10.76	10.88	10.62	10.58	11.43	.....
20	11.82	11.20	11.23	11.48	11.00	10.92	10.98	10.87	10.89	10.98	11.30	11.92
25	11.77	11.20	11.5	11.44	11.23	10.73	10.99	10.94	10.74	11.21	11.47	12.52
Eom	11.51	11.15	11.67	11.2	11.32	10.70	11.02	10.95	10.62	11.15	11.46	12.17
1965												
5	j12.14	j11.90	.....	11.01	.....	.....	11.38	11.20	11.40	11.22	12.08	12.43
10	j12.18	j11.82	.....	11.55	11.50	.....	11.16	11.24	11.29	11.50	12.21	12.37
15	j12.19	j11.79	11.10	11.63	.....	11.18	11.35	11.33	11.24	11.97	12.85	12.48
20	j12.10	j11.71	11.84	11.62	.....	11.16	11.34	11.16	11.48	12.15	12.76	12.37
25	j11.98	.....	10.65	11.40	.....	10.70	11.63	11.16	11.31	12.20	12.58	12.40
Eom	j11.89	j11.66	10.72	.....	.....	10.85	11.56	11.28	11.19	12.20	12.54	12.34

j U.S. Geol. Survey observation.

212250N1580158. Local number T-41. Honolulu Board of Water Supply. Near Waipahu. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 12 in, depth 113 ft, cased to 92. MP top of casing, 83.93 ft above msl. Highest water level 26.55 above msl, Feb. 2, 1957; lowest 13.98 above msl, Oct. 14, 1964. Records available: 1949-65. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	e17.8	20.52	18.82	16.72	16.28	15.65	15.87	15.05	e14.3	14.28	18.40	16.76
10	e17.9	18.21	17.55	16.65	15.82	15.55	15.40	14.78	14.54	14.60	17.15	18.48
15	e18.0	18.28	17.20	16.65	16.12	15.32	15.38	e14.8	14.24	15.28	16.60	16.95
20	e18.1	19.00	17.72	16.15	16.20	15.38	15.08	14.75	14.22	15.55	17.10	17.08
25	e18.4	18.70	17.25	16.20	15.55	15.65	15.10	14.32	14.38	15.82	17.35	18.48
Eom	20.20	18.10	17.50	16.32	15.45	15.07	15.00	e14.2	14.42	16.95	16.18	18.30
1962												
5	16.62	20.32	18.22	18.12	16.92	15.92	15.83	14.92	14.80	14.22	.....	14.85
10	16.60	19.48	18.45	18.21	16.75	15.88	15.44	14.72	14.48	14.08	16.20	.....
15	17.35	18.08	20.06	17.55	16.78	15.55	15.32	14.68	14.40	14.18	.....	.....
20	18.90	19.15	20.42	17.80	17.08	15.55	15.04	14.65	14.35	15.45	.....	.....
25	19.12	19.76	19.82	17.25	16.30	15.42	14.92	14.45	14.24	16.10	16.35	.....
Eom	19.82	18.25	18.85	17.68	16.05	15.38	14.88	14.38	14.48	.....	14.75	18.48
1963												
5	18.30	21.05	18.95	20.98	21.00	19.1	18.62	17.86	17.68	17.70	18.22	17.85
10	19.44	21.12	19.05	21.48	19.45	18.90	17.82	17.86	17.47	17.52	19.15	18.74
15	19.92	18.85	17.25	21.88	19.48	18.72	17.95	17.47	17.60	17.45	17.85	19.98
20	20.20	18.42	19.00	22.36	20.15	18.35	18.12	17.74	18.38	18.07	17.85	18.60
25	20.58	18.05	18.85	21.70	20.02	18.12	17.80	18.21	17.82	17.40	19.32	19.60
Eom	20.75	17.10	20.10	20.48	19.32	18.35	17.86	18.10	17.73	17.70	19.95	19.68
1964												
5	20.52	18.25	16.98	18.75	16.48	15.55	15.38	14.44	14.32	14.02	14.35	18.44
10	21.03	18.70	17.12	17.58	16.86	15.38	14.84	14.45	14.52	14.20	14.60	18.00
15	21.30	18.25	17.30	17.26	16.02	15.50	14.57	14.40	14.16	13.98	15.04	18.74
20	20.72	17.45	16.52	17.27	15.96	15.24	14.62	14.24	14.20	14.18	14.85	20.00
25	20.00	17.55	18.55	17.45	15.85	14.92	14.86	14.16	14.12	14.22	17.10	20.42
Eom	18.38	17.95	19.60	16.55	15.90	15.24	14.58	14.14	14.06	14.30	18.17	20.80
1965												
5	20.80	19.50	18.20	17.58	19.75	19.15	18.20	16.75	16.95	16.13	17.77	22.00
10	21.34	e19.5	18.25	17.67	19.68	18.23	17.55	16.67	16.53	16.48	18.75	20.55
15	21.73	19.86	17.86	17.45	19.80	18.17	17.38	16.66	16.34	18.76	21.75	22.60
20	21.76	e19.3	17.67	17.93	20.65	18.31	17.11	16.43	16.31	19.55	22.67	23.56
25	21.76	e18.3	17.25	18.08	19.82	17.71	17.35	16.80	16.47	19.50	22.94	24.10
Eom	21.05	19.62	17.32	17.40	19.27	17.44	16.97	16.60	16.22	19.42	22.29	24.25

e Estimated.

211717N1574739. Local number T-44. Honolulu Board of Water Supply. 16th Ave. and Claudine St., Honolulu. Drilled observation basal water-table well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 1 in, depth 171 ft, cased to 168, perforated 158, 163, 167. MP top of 1-in casing, 151.90 ft above msl. Highest water level 11.07 above msl, Aug. 12, 1937; lowest 8.72 above msl, Sept. 21, 1960 (previously reported 8.12 above msl, July 8, 1947). Records available: 1936-65. Records furnished by Honolulu Board of Water Supply.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1961	8.99	May 3, 1961	9.09	Aug. 31, 1961	9.20	Jan. 10, 1962	9.20
18	9.00	10	9.07	Sept. 6	9.24	17	9.30
25	9.01	17	9.07	13	9.27	24	9.31
Feb. 1	9.02	24	8.90	20	9.20	31	9.43
8	8.89	31	9.00	27	9.22	7	9.35
15	8.97	7	9.02	Oct. 4	9.38	14	9.38
21	8.98	14	9.03	11	9.30	20	9.40
28	8.97	20	9.14	18	9.11	28	9.39
Mar. 8	8.99	28	9.14	25	9.39	8	9.35
15	9.00	5	9.17	31	9.45	14	9.33
23	9.04	12	9.08	8	9.48	2*	9.42
29	9.05	19	9.20	Nov. 30	9.23	2*	9.38
Apr. 5	9.04	26	9.13	Dec. 6	9.32	30	9.35
12	9.05	2	9.17	12	9.30	Apr. 4	9.32
19	9.12	9	9.04	20	9.20	11	9.33
26	9.14	16	9.17	29	9.20	17	9.23
28	9.03	25	9.09	Jan. 3, 1962	9.15	30	9.25

211717N1574739--Continued.

	Date	Water level		Date	Water level		Date	Water level		Date	Water level		Date	Water level
May	2, 1962	9.23	Mar.	13, 1963	9.29	Jan.	31, 1964	9.46	Jan.	14, 1965	9.25			
	11	9.20		20	9.28		6	9.40		21	9.05			
	16	9.13		27	9.31		13	9.36		17	9.40			
	23	9.10		1	9.37		20	9.34		4	9.05			
	29	9.06		9	9.41		27	9.29		11	9.13			
June	31	9.08	Apr.	17	9.48	Mar.	28	9.26	Apr.	24	9.18			
	7	9.14		24	9.40		5	9.27		8	9.07			
	13	9.13		30	9.64		12	9.21		14	9.12			
	20	9.08		1	9.39		19	9.26		22	9.08			
	27	9.14		8	9.35		25	9.25		29	9.18			
July	30	9.20	May	15	9.38	Apr.	31	9.29	May	6	9.23			
	3	9.10		22	9.34		2	9.29		13	9.24			
	11	9.06		28	9.39		9	9.31		20	9.19			
	18	9.07		31	9.39		16	9.35		4	9.46			
	25	9.14		5	9.33		23	9.31		9	9.14			
Aug.	31	8.98	June	12	9.32	May	30	9.18	July	17	9.22			
	8	9.04		19	9.27		7	9.27		24	9.05			
	15	8.94		26	9.48		14	9.22		1	9.02			
	22	8.98		1	9.12		21	9.10		8	9.20			
	29	8.93		3	9.20		27	9.12		20	9.09			
Sept.	31	8.91	July	10	9.19	June	1	9.22	Aug.	22	9.15			
	5	8.92		17	9.14		4	9.07		29	9.10			
	12	8.89		24	9.19		10	9.46		5	9.29			
	19	8.96		31	9.19		18	9.11		10	9.14			
	26	8.86		7	9.24		25	9.12		12	9.12			
Oct.	1	8.87	Aug.	14	9.24	July	30	9.04	Sept.	17	9.09			
	3	8.88		21	9.28		9	9.07		19	9.25			
	10	8.84		28	9.38		16	9.22		24	9.19			
	17	8.90		30	9.35		22	9.35		26	9.11			
	24	8.82		4	9.35		30	9.34		31	9.23			
Nov.	31	8.85	Sept.	11	9.45	Aug.	31	9.31	Sept.	2	9.10			
	7	8.87		18	9.62		6	9.24		9	9.13			
	14	8.93		25	9.48		12	9.32		14	9.17			
	21	8.98		30	9.45		20	9.26		16	9.07			
	28	8.97		2	9.46		27	9.35		21	9.07			
Dec.	30	9.01	Oct.	9	9.50	Sept.	31	9.35	Oct.	23	9.00			
	5	9.07		16	9.50		10	9.33		28	9.13			
	12	9.06		23	9.50		17	9.24		30	9.42			
	19	9.08		31	9.50		24	9.29		7	9.25			
	26	9.05		7	9.48		30	9.32		14	9.28			
Jan.	2, 1963	9.14	Nov.	14	9.48	Oct.	8	9.25	Nov.	21	9.38			
	9	9.19		21	9.52		15	9.38		29	9.39			
	16	9.25		27	9.56		22	9.21		4	9.37			
	23	9.26		2	9.51		30	9.18		10	9.45			
	30	9.32		5	9.55		5	9.19		18	9.72			
Feb.	31	9.68	Dec.	12	9.54	Nov.	12	9.11	Dec.	24	9.68			
	6	9.32		19	9.55		19	9.12		30	9.99			
	13	9.29		26	9.51		25	9.33		2	9.63			
	20	9.29		31	9.75		3	9.13		9	9.60			
	27	9.25		Jan.	9, 1964		10	9.02		16	9.68			
Mar.	28	9.32	Jan.	16	9.40	Dec.	22	9.60		22	9.67			
	6	9.29		23	9.36		31	9.27		29	9.56			

212233N1575523. Local number T-45. Honolulu Board of Water Supply. Near North Halawa Valley. Drilled observation basal water-table well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 12 in, depth 85 ft, cased to 59. MP top of casing, 58.06 ft above msl. Highest water level 24.08 above msl, Feb. 12, 1957; lowest 16.55 above msl, Oct. 17, 1962. Records available: 1954-65. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.35	19.94	19.74	18.80	18.41	17.95	18.03	17.47	17.46	17.08	18.32	18.72
10	19.44	19.68	19.29	18.79	18.29	17.98	17.87	17.35	17.17	17.15	18.29	18.93
15	19.50	19.81	19.10	18.71	18.28	17.89	17.73	17.44	16.96	17.2	18.29	18.77
20	19.53	19.84	19.09	18.62	18.09	18.00	17.64	17.28	17.00	17.34	18.48	18.80
25	19.49	19.77	19.12	18.55	18.02	17.94	17.55	17.05	17.13	17.58	18.60	19.02
Eom	19.81	19.75	18.92	18.52	17.90	17.75	17.53	17.17	17.12	17.77	18.56	19.00
1962												
5	18.76	19.61	19.42	19.07	18.72	18.3	17.66	17.22	16.70	16.67	17.24	17.09
10	18.62	19.50	19.35	18.86	18.60	18.08	17.57	17.10	16.77	16.68	17.17	17.14
15	18.72	19.22	19.59	18.83	18.52	17.76	17.44	17.01	16.76	16.70	17.08	17.35
20	18.97	19.53	19.73	18.79	18.63	17.74	17.26	16.91	16.74	16.86	17.10	17.33
25	19.09	19.59	19.67	18.59	18.47	17.75	17.22	16.73	16.76	17.21	17.04	17.70
Eom	19.34	19.41	19.44	18.89	18.27	17.62	17.10	16.70	16.83	17.20	16.99	18.03

212233N1575523--Continued.

Mean water level for the day, above msl, from recorder graph, 1963

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.15	19.55	19.15	19.77	20.24	19.83	19.30	19.11	18.94	19.18	19.14	19.48
10	18.58	19.65	19.25	19.94	19.94	19.74	19.06	19.01	18.94	19.21	19.18	19.87
15	18.81	19.48	18.95	20.11	20.05	19.33	19.08	19.07	18.78	19.10	19.18	19.98
20	19.03	19.36	19.19	20.33	20.25	19.23	19.09	18.93	19.23	19.14	19.28	19.83
25	19.20	19.10	19.22	20.43	20.15	19.27	18.96	18.99	19.34	19.05	19.41	19.90
Eom	19.43	18.89	19.45	20.32	19.91	19.27	19.16	19.0	19.07	19.08	19.61	19.99

1964												
5	20.22	19.96	19.08	19.44	18.35	17.96	17.45	17.11	17.00	16.98	17.09	18.31
10	20.37	19.82	19.02	19.21	18.36	17.69	17.27	17.06	17.12	16.98	17.24	18.45
15	20.43	19.60	18.96	19.18	18.22	17.62	17.10	17.04	17.00	16.95	17.40	18.80
20	20.54	19.44	18.74	19.10	18.16	17.46	17.13	17.05	17.04	16.95	17.34	19.07
25	20.45	19.30	19.04	18.64	18.26	17.44	17.20	16.96	17.00	17.00	17.61	e19.4
Eom	20.14	19.22	19.40	18.45	18.02	17.38	17.04	17.02	16.95	17.01	18.17	19.67

1965												
5	19.88	20.42	19.85	19.35	19.85	20.11	19.56	19.15	18.96	18.75	19.43	e21.2
10	20.10	20.43	19.77	19.43	20.07	19.93	19.47	19.08	18.97	18.74	19.63	21.21
15	20.24	20.47	19.64	19.40	20.11	19.87	19.40	19.06	18.88	19.00	20.40	21.43
20	20.36	20.22	19.48	19.57	20.23	19.81	19.40	18.99	18.81	19.39	20.93	21.78
25	20.52	20.01	19.40	19.55	20.33	19.59	19.29	19.06	18.79	19.52	21.09	21.99
Eom	20.53	20.10	19.35	19.51	20.30	19.51	19.20	18.98	18.77	19.52	21.24	22.21

e Estimated.

212048N1574658. Local number T-49. Honolulu Board of Water Supply. At head of Maunawili Valley. Drilled observation high-level water-table well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 1 in, depth 805 ft, cased to 805, perforated 784-805. MP top of 1-in pipe, 776.84 ft above msl. Highest water level 635.9 above msl, Mar. 6, 1954; lowest 625.17 above msl, Dec. 23, 1960. Records available: 1953-57, 1960-61. No measurement made in 1958-59 or 1962. Measurement discontinued 1963. Feb. 16, 1961, 626.51; Apr. 6, 625.47.

212416N1575543. Local number T-52. Honolulu Board of Water Supply. Waiamulu Valley, near Pearl Harbor. Drilled observation basal water-table well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 16 in, depth 321 ft, cased to 180, perforated 170-180. MP top of casing, 169.13 ft above msl. Highest water level 24.64 above msl, Feb. 12, 1957; lowest 16.80 above msl, Oct. 17, 1962. Records available: 1956-65. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.27	19.66	19.57	18.80	18.44	17.96	17.95	17.42	17.21	16.93	17.7	18.64
10	19.38	19.49	19.25	18.66	18.34	17.92	17.83	17.35	17.06	16.97	18.06	18.81
15	19.39	19.63	19.12	18.55	18.26	17.96	17.70	17.36	16.98	17.09	18.06	18.76
20	19.31	19.60	19.07	18.50	18.17	17.93	17.70	17.36	16.95	17.17	18.20	18.77
25	19.35	19.62	19.07	18.42	18.07	17.89	17.66	17.28	17.01	17.43	18.30	18.90
Eom	19.53	19.58	18.84	18.33	17.99	17.78	17.48	17.17	16.94	17.50	18.48	18.84

1962												
5	18.71	19.54	19.35	19.30	18.80	18.33	17.81	17.38	17.04	16.86	17.41	17.18
10	18.63	19.52	19.35	19.12	18.70	18.22	17.74	17.32	16.98	16.83	17.31	17.23
15	18.62	19.33	19.58	18.97	18.60	18.08	17.69	17.24	16.96	16.85	17.27	17.39
20	18.90	19.55	19.74	18.94	18.66	17.95	17.54	17.18	16.98	17.01	17.24	17.38
25	19.08	19.54	19.69	18.79	18.51	17.87	17.51	17.09	17.00	17.38	17.21	17.65
Eom	19.32	19.51	19.53	18.99	18.41	17.80	17.36	17.01	16.96	17.38	17.15	18.07

1963												
5	18.24	19.74	19.28	19.74	20.37	20.13	19.74	19.69	19.64	19.67	19.64	19.93
10	18.54	19.85	19.32	19.96	20.11	20.09	19.64	19.63	19.57	19.67	19.67	20.14
15	18.88	19.72	19.03	20.16	20.21	19.86	19.60	19.78	19.50	19.73	19.65	20.23
20	19.09	19.55	19.27	20.41	20.36	19.76	19.59	19.65	19.77	19.70	19.72	20.11
25	19.33	19.22	19.34	20.50	20.34	19.73	19.56	19.61	19.80	19.60	19.79	20.18
Eom	19.59	19.07	19.51	20.46	20.18	19.70	19.69	19.60	19.66	19.56	19.91	20.29

1964												
5	20.48	20.26	19.23	19.4	18.68	18.13	e17.7	17.21	17.15	17.05	17.12	18.43
10	20.60	20.1	19.19	19.42	18.57	18.01	17.52	17.27	17.25	17.06	17.25	18.46
15	20.73	19.80	19.08	19.3	18.45	17.93	17.34	17.26	17.16	17.07	17.37	18.86
20	20.81	19.66	18.91	19.2	18.43	17.79	17.35	17.23	17.13	17.06	17.39	19.20
25	20.72	19.51	19.15	19.07	18.38	17.69	17.28	17.18	17.08	17.06	17.64	19.46
Eom	20.42	19.39	19.3	18.87	18.23	17.75	17.24	17.14	17.04	17.05	18.25	19.76

1965												
5	19.96	20.71	20.23	19.69	20.16	20.55	20.06	19.73	19.45	19.17	19.80	21.76
10	20.15	20.83	20.15	19.77	20.36	20.42	19.97	19.66	19.43	19.13	19.95	21.74
15	20.44	20.86	20.06	19.81	20.45	20.34	19.93	19.59	19.34	19.38	e20.5	21.83
20	20.62	20.65	19.93	19.96	20.50	20.27	19.94	19.53	19.30	19.74	21.27	22.25
25	20.70	20.42	19.80	19.90	20.72	20.12	19.81	19.61	19.22	19.87	21.51	22.55
Eom	20.73	20.47	19.74	19.89	e20.65	20.02	19.73	19.47	19.19	19.85	21.76	22.87

e Estimated.

212015N1575215. Local number T-69. Honolulu Board of Water Supply. Kapalama Elementary School, Honolulu. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 8 in, depth 283 ft, cased to 233. MP top of casing, 81.82 ft above msl. Highest water level 26.29 above msl, Dec. 31, 1965; lowest 20.92 above msl, Aug. 7, 1964. Records available: 1959-65. Records furnished by Honolulu Board of Water Supply.

212015N1575215--Continued.

Mean water level for the day, above msl, from recorder graph, 1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	24.36	24.83	25.09	24.37	23.56	23.07	22.25	21.69	21.95	22.06	22.94	23.69
10	24.52	24.70	24.86	24.37	23.52	22.91	22.30	21.73	21.86	22.13	23.00	23.81
15	24.65	24.95	24.78	24.19	23.43	22.84	21.97	21.79	21.69	22.25	23.0	23.71
20	24.48	25.02	24.78	24.04	23.20	22.70	21.97	21.74	21.85	22.34	23.20	23.82
25	24.58	25.05	24.52	23.91	23.13	22.53	21.90	21.67	21.95	22.43	23.43	24.04
Eom	24.75	25.05	24.32	23.80	23.20	22.32	21.92	21.72	22.06	22.64	23.49	23.97
1962												
5	23.90	e24.1	24.43	24.31	23.89	23.09	21.87	21.27	21.28	21.51	21.90	21.80
10	24.01	24.14	24.32	24.29	23.78	22.91	21.69	21.15	21.37	21.54	21.89	21.89
15	23.92	24.11	24.49	24.35	23.68	22.61	21.52	21.18	21.36	21.58	21.85	22.03
20	23.90	24.31	24.50	24.14	23.63	22.40	21.37	21.24	21.46	21.64	21.86	22.13
25	23.99	24.41	24.60	24.14	23.36	22.21	21.26	21.04	21.55	21.76	21.92	22.36
Eom	e24.0	24.40	24.38	24.08	23.22	21.92	21.20	21.15	21.62	21.87	21.74	22.50
1963												
5	22.55	23.74	24.04	24.31	24.78	24.03	23.40	22.79	22.61	23.28	23.89	24.28
10	22.83	23.90	24.06	24.54	24.46	24.13	23.24	22.57	22.64	23.38	24.15	24.52
15	22.97	23.72	23.80	24.70	24.64	23.86	23.24	22.46	22.77	23.50	24.12	24.73
20	23.30	23.82	24.03	24.76	24.55	23.72	22.91	22.56	22.87	23.66	24.12	24.61
25	23.46	23.94	24.15	24.78	24.25	23.70	22.79	22.69	22.97	23.69	24.27	24.85
Eom	23.70	23.92	24.32	24.80	24.13	23.72	22.74	22.48	23.12	23.84	24.25	24.86
1964												
5	25.10	25.14	24.43	24.56	24.01	22.68	21.65	20.99	21.00	21.35	21.78	22.69
10	25.20	25.22	24.46	24.32	23.89	22.45	21.35	21.07	21.08	21.41	21.96	22.83
15	25.28	25.13	24.41	24.29	23.52	22.33	21.17	20.99	21.15	21.50	22.12	23.12
20	25.42	24.83	24.20	24.28	23.31	21.94	21.15	21.01	21.23	21.54	22.23	23.40
25	25.30	24.80	24.39	24.22	23.38	21.79	21.12	21.02	21.22	21.58	22.34	23.64
Eom	25.20	24.59	24.47	24.05	23.04	21.64	21.03	21.09	21.27	21.63	22.56	23.81
1965												
5	23.97	24.92	24.76	24.16	24.31	24.24	23.32	22.60	22.79	23.10	23.85	25.27
10	24.22	25.05	24.61	24.14	24.35	24.04	23.37	22.61	22.69	23.16	24.05	25.58
15	24.47	25.10	24.49	24.28	24.40	24.09	23.13	22.58	22.78	23.27	24.39	25.68
20	24.55	24.94	24.34	24.14	24.46	24.00	23.04	22.46	22.91	23.47	24.61	25.96
25	24.70	25.01	24.21	24.15	24.41	23.54	22.88	22.63	22.98	23.73	24.86	26.22
Eom	24.89	24.91	24.15	24.07	24.62	23.47	22.66	22.75	22.96	23.82	25.10	26.29

e Estimated.

212333N1575657. Local number T-75. Honolulu Board of Water Supply. Waimalu. Drilled observation a-tesian basalt-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 6 in, depth 250 ft, cased to 75. MP top of casing, 27.35 ft above msl. Highest water level 21.20 above msl, Dec. 31, 1965; lowest 15.43 above msl, Oct. 17, 1962. Records available: 1959-65. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1961												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.34	18.68	18.64	17.54	17.17	16.75	16.76	16.34	16.11	15.87	17.28	17.60
10	18.93	18.44	18.12	17.54	17.08	16.74	16.58	16.21	15.94	15.95	17.12	17.80
15	18.48	18.5	17.90	17.42	17.01	16.67	16.53	16.30	15.83	16.09	17.10	17.58
20	18.16	18.64	17.90	17.43	16.85	16.66	16.44	16.36	15.79	16.29	17.31	17.53
25	18.21	18.66	18.06	17.31	16.78	16.68	16.40	16.17	15.96	16.57	17.35	17.82
Eom	18.66	18.49	17.71	17.22	16.74	16.55	16.27	15.99	15.89	16.77	17.29	17.85
1962												
5	17.50	18.54	18.17	17.85	17.48	16.94	16.44	16.08	15.64	15.52	16.11	15.77
10	17.34	18.41	18.19	17.69	17.31	16.84	16.34	15.95	15.62	15.48	16.03	15.94
15	17.45	17.95	18.50	17.67	17.24	16.64	16.33	15.82	15.59	15.51	15.89	16.27
20	17.91	18.41	18.65	17.67	17.39	16.49	16.11	15.79	15.59	15.93	15.86	16.07
25	17.96	18.44	18.49	17.46	17.18	16.46	16.07	15.70	15.76	16.26	15.86	16.73
Eom	18.33	18.36	18.26	17.64	16.98	16.47	15.95	15.58	15.61	16.02	15.82	17.01
1963												
5	17.16	18.55	18.12	18.66	19.16	18.69	18.15	18.00	17.89	18.09	18.00	18.36
10	17.52	18.63	18.16	18.88	18.81	18.62	17.96	17.89	17.83	18.04	18.05	18.76
15	17.81	18.38	17.73	19.07	18.97	18.23	17.97	18.22	17.75	18.03	17.98	18.85
20	18.00	18.15	18.10	19.28	19.17	18.13	17.93	17.91	17.9	18.03	18.09	18.57
25	18.18	17.83	18.09	19.39	19.09	18.14	17.88	17.89	18.14	17.96	18.32	18.77
Eom	18.46	17.68	18.28	19.14	18.75	18.11	18.07	17.84	17.98	17.90	18.55	18.84
1964												
5	19.15	18.56	17.68	18.10	17.06	16.59	16.20	15.82	15.80	15.69	15.80	17.14
10	19.27	18.48	17.64	17.98	17.04	16.44	e16.0	15.85	15.86	15.71	16.00	17.23
15	19.35	18.1	17.64	17.80	16.87	16.37	15.87	15.86	15.75	15.76	16.19	17.77
20	19.44	18.03	17.40	17.74	16.86	16.20	15.90	15.76	15.74	15.70	16.10	18.12
25	19.32	17.90	17.93	17.40	16.88	16.14	e15.9	15.68	15.70	15.71	16.51	18.40
Eom	18.76	17.88	18.07	17.20	16.69	16.43	15.79	15.70	15.69	15.73	17.03	18.63
1965												
5	18.86	19.35	18.59	18.10	18.83	18.94	18.54	17.98	17.84	17.56	18.27	e20.1
10	19.07	e19.37	18.51	18.17	18.98	18.67	18.32	17.94	17.82	17.56	18.48	20.09
15	19.25	e19.30	18.39	18.19	19.00	18.63	18.20	17.93	17.69	18.07	19.50	20.28
20	19.36	19.04	18.25	18.35	19.09	18.61	18.25	17.86	17.66	18.32	19.96	20.75
25	19.49	18.76	18.11	e18.3	19.09	18.39	18.06	18.01	17.60	18.41	20.12	21.00
Eom	19.45	18.94	18.11	e18.3	19.04	18.30	18.03	17.77	17.58	18.38	20.17	21.20

e Estimated.

212927N1580148. Local number Shaft 4. U. S. Army. Near Wahiawa. Dug domestic high-level water-table well in basalt of Koolau Volcanic Series, Pliocene(?) age, size 8 x 8 ft, vertical depth of 30-degree inclined shaft 563 ft, lined with concrete in upper part, pump chamber at bottom of shaft. MP top of pump chamber floor at recorder, 287.00 ft above msl (since Oct. 3, 1944). Highest water level 284.13 above msl, Sept. 4, 1937; lowest 273.17 above msl, Mar. 11, 1946. Records available: 1936-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1961	275.33	Nov. 8, 1961	274.69	Feb. 9, 1962	274.68	Aug. 29, 1963	280.53
31	275.46	9	274.72	11	274.78	4	280.57
Feb. 15	275.74	10	274.74	12	274.73	7	280.63
26	275.86	11	274.76	14	274.72	16	280.65
Mar. 1	275.84	12	274.72	16	274.80	28	280.76
3	275.95	13	274.70	18	274.77	29	280.77
24	276.04	14	274.72	22	274.78	Oct. 1	280.83
30	276.06	17	274.68	25	274.67	5	280.84
Apr. 26	276.00	19	274.67	Mar. 1	274.77	6	280.83
May 2	275.95	21	274.67	12	274.84	8	280.85
June 6	275.54	22	274.63	13	274.84	Nov. 8	280.84
24	275.36	23	274.63	18	274.79	11	280.92
25	275.41	24	274.70	20	274.85	28	280.73
26	275.47	25	274.67	25	274.91	Dec. 7	280.57
27	275.47	26	274.65	29	274.97	23	280.32
July 2	275.42	27	274.61	Apr. 1	274.98	Jan. 2, 1964	280.27
13	275.31	28	274.68	14	275.15	13	279.97
Aug. 5	275.16	29	274.73	26	275.26	Feb. 4	279.70
12	275.04	30	274.69	May 6	275.42	Mar. 1	279.22
Sept. 20	274.88	Dec. 1	274.63	10	275.47	9	279.07
26	274.86	2	274.60	12	275.47	23	278.82
27	274.83	3	274.66	30	275.73	30	278.72
28	274.82	6	274.61	July 3	276.11	Apr. 1	278.68
29	274.83	7	274.64	Aug. 1	276.25	29	278.45
Oct. 1	274.88	10	274.53	3	276.32	May 10	278.20
2	274.83	11	274.48	31	276.32	June 2	278.04
4	274.88	13	274.61	Oct. 1	276.25	12	277.70
9	274.82	19	274.47	3	276.27	July 1	277.84
11	274.78	21	274.48	23	276.21	2	277.84
12	274.79	24	274.48	25	276.12	31	277.58
13	274.80	26	274.43	29	276.28	Sept. 1	277.25
15	274.76	27	274.44	30	276.19	4	277.27
17	274.80	28	274.44	Nov. 7	276.02	Oct. 1	276.95
18	274.80	30	274.47	8	276.00	Jan. 31, 1965	277.16
19	274.80	31	274.47	Dec. 14	275.68	Feb. 2	277.18
20	274.72	Jan. 7, 1962	274.55	24	275.53	Mar. 1	277.35
21	274.72	8	274.42	25	275.47	Apr. 2	277.40
22	274.69	9	274.42	26	275.46	3	277.42
23	274.74	14	274.57	Jan. 30, 1963	275.48	May 1	277.84
25	274.75	15	274.62	Mar. 1	275.11	June 1	278.42
26	274.70	16	274.64	17	274.89	July 1	278.78
27	274.74	17	274.60	18	274.88	17	279.02
28	274.73	19	274.58	Apr. 1	274.86	18	279.01
29	274.75	20	274.58	15	274.87	24	279.08
30	274.82	21	274.63	May 1	275.12	Aug. 1	279.10
Nov. 2	274.78	24	274.63	June 1	276.51	17	279.31
3	274.78	27	274.71	23	277.78	23	279.51
4	274.72	28	274.71	July 1	278.21	Oct. 2	279.82
5	274.78	Feb. 4	274.67	31	279.62	Nov. 1	279.80
6	274.74	6	274.65	Aug. 1	279.65	30	279.84
7	274.72	7	274.65				

NEVADA

The observation-well program in Nevada was continued during the period 1961 through 1965 in cooperation with the Department of Conservation and Natural Resources, State of Nevada. Figure 5 shows the location of observation wells included in this report.

Well-Numbering System

The number assigned to a well is both an identification and a location number. It is based on the Mount Diablo base line and meridian network of surveys established by the General Land Office (now known as the U. S. Bureau of Land Management). A typical well number is composed of three segments. The first segment indicates the township north of the Mount Diablo base line, if the township is south of the base line, the number is preceded by the letter "S." The second segment, separated from the first by a slant, indicates the range east of the Mount Diablo meridian. The third segment, separated from the second by a hyphen, indicates the section and the location of the well within the section. Lowercase letters--a, b, c, and d--assigned in a counter-clockwise direction, designate the northeast, northwest, southwest, and southeast quarter sections, quarter-quarter sections, and quarter-quarter-quarter sections (160-acre, 40-acre, and 10-acre tracts). If two or more wells are in the subdivision, consecutive numbers are assigned in the order in which the well data are recorded. Thus, well number S10/60-4dab1 designates the first well recorded in the NW1/4NE1/4SE1/4 sec. 4, T. 10 S., R. 60 E.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum unless otherwise indicated. When some measurements in a table are above and others below the plane of reference, a plus (+) or minus (-) sign is placed immediately before the first entry in each column. Measurements between plus signs are above the plane of reference, and those between minus signs are below.

Churchill County

Dixie Valley

393920N1180840.1. Local number 21/34-27dcl. Gregory Homestead. Drilled unused well in alluvium of Quaternary age, diam 11 in, depth 114 ft, cased. Lsd about 3,500 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 28.04 below lsd, June 7, 1956; lowest 32.62 below lsd, Aug. 21, 1951. Records available: 1951, 1955-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 20, 1961	29.26	Oct. 10, 1962	29.41	Sept. 9, 1963	29.77	Sept. 18, 1964	30.09
Mar. 21, 1962	29.09	Mar. 27, 1963	29.23	Mar. 23, 1964	29.43	Sept. 17, 1965	29.52
June 12	29.69						

393840N1180500.1. Local number 21/35-31dl. C. B. Stark. Drilled stock well in alluvium of Quaternary age, diam 8 in, depth 50 ft, cased. Lsd about 3,480 ft above msl. MP top of casing collar, 4.00 ft above lsd. Highest water level 31.72 below lsd, Sept. 26, 1960; lowest 34.92 below lsd, Dec. 11, 1951. Records available: 1951, 1955-65.

Mar. 7, 1961	33.62	Oct. 10, 1962	33.59	Sept. 9, 1963	33.69	Sept. 18, 1964	33.84
June 20	33.65	Mar. 27, 1963	33.57	Mar. 23, 1964	32.33	Mar. 22, 1965	34.21
Mar. 21, 1962	33.57						

Fairview Valley

391620N1181430.1. Local number 16/33-2dcl. C. B. Stark. Drilled stock well in alluvium of Quaternary age, diam 8 in, depth 441 ft, cased. Lsd about 4,160 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 216.68 below lsd, Jan. 13, 1955; lowest 224.94 below lsd, Mar. 23, 1964. Records available: 1950, 1955-65.

Mar. 7, 1951	218.21	Mar. 21, 1962	218.24	June 11, 1963	218.32	Sept. 18, 1964	218.44
June 20	218.55	Oct. 10	218.20	Sept. 9	218.41	Mar. 22, 1965	218.32
Sept. 18	218.31	Mar. 27, 1963	218.39	Mar. 23, 1964	224.94	Sept. 17	217.16

391730N1180340.1. Local number 17/35-32dcl. U. S. Government. Drilled unused well in alluvium of Quaternary age, diam 6 in, depth 99 ft, cased. Lsd about 4,470 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 45.75 below lsd, Oct. 27, 1955; lowest 60.38 below lsd, Jan. 26, 1955. Records available: 1946-47, 1951, 1955-65.

Mar. 7, 1961	52.39	Mar. 21, 1962	53.16	May 8, 1963	52.42	Mar. 23, 1964	55.28
June 20	54.29	Oct. 10	51.64	June 11	52.67	Mar. 22, 1965	54.07
Sept. 24	53.66	Mar. 27	52.26	Sept. 9	52.81	Sept. 17	52.73

Clark County

Indian Spring Valley

363430N1153950.1. Local number S16/56-9bc2. Tim Harnedy. Drilled domestic and irrigation well in alluvium of Quaternary age, diam 8 in, depth 582 ft, cased. Lsd about 3,190 ft above msl. MP top south side of casing, 0.20 ft above lsd. Highest water level 2.20 below lsd, Feb. 18, 1959; lowest 10.90 below lsd, Feb. 16, 1965. Records available: 1946-51, 1955-60, 1963, 1965. No measurement made in 1961-62 or 1964. Mar. 21, 1963, 4.29; Feb. 16, 1965, 10.90.

Las Vegas Valley

362750N1152440.1. Local number S17/59-20bc1. U. S. Bureau of Land Management. Drilled stock well in alluvium of Quaternary age, diam 6 in, depth 300 ft, cased. Lsd about 2,950 ft above msl. MP top of casing, 0.30 ft above lsd. Highest water level 26.38 below lsd, Feb. 18, May 11, 1965; lowest 31.01 below lsd, Sept. 12, 1944. Records available: 1944-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 9, 1961	27.08	Sept. 18, 1963	27.60	Aug. 26, 1964	26.71	May 11, 1965	26.38
Nov. 17, 1962	27.86	Nov. 12	27.20	Nov. 10	26.88	Aug. 17	28.58
Feb. 22, 1963	27.80	Feb. 21, 1964	29.04	Feb. 18, 1965	26.38	Nov. 17	27.52
May 22	27.00	May 19	28.64				

361840N1151640.1. Local number S19/60-9bccl. P. J. Goumond (State Engineer No. 427). Drilled unused artesian well in alluvium of Quaternary age, diam 10 in, depth 830 ft, cased to 140. Lsd about 2,500 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 43.65 below lsd, June 3, 1944; lowest 115.36 below lsd, Oct. 28, 1965. Records available: 1944-65.

Water level at noon, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	92.52	92.88	96.22	97.36	99.00	100.68	101.64	101.65	101.86	100.20	100.45	98.30
10	92.35	....	95.28	97.69	98.93	100.30	101.15	102.23	103.07	101.22	100.90	98.94
15	93.17	93.66	94.86	98.22	99.14	100.75	101.89	102.02	103.38	100.99	101.02	97.83
20	92.27	93.95	95.80	98.50	100.27	100.26	101.62	102.82	102.50	100.79	99.94	97.62
25	92.02	94.88	96.19	98.41	99.76	101.17	102.30	102.91	103.14	100.00	98.94	97.48
Eom	91.90	95.18	96.07	98.85	100.43	101.40	101.69	102.58	101.91	100.53	98.52	97.43

1962

5	97.25	98.72	97.91	99.06	100.97	101.62	101.89	103.04	103.37	104.27	101.25	99.69
10	98.19	97.30	98.29	99.03	100.39	100.29	102.40	102.67	103.24	103.26	101.26	99.88
15	97.30	96.89	96.95	98.84	100.31	101.93	101.81	103.25	102.75	103.75	101.15	99.66
20	97.60	97.56	96.84	99.22	100.37	102.21	102.78	103.19	102.57	102.00	101.38	99.47
25	97.02	98.47	97.37	99.94	101.30	100.88	101.87	102.30	103.65	102.76	100.73	99.56
Eom	97.75	97.30	98.87	100.88	101.07	101.93	103.00	102.33	103.73	102.06	99.73	99.11

1963

5	100.14	99.71	103.07	104.09	106.14	107.15	107.80	109.04	108.09	107.50	106.39	104.82
10	98.94	100.20	103.32	103.99	106.32	106.35	108.02	108.10	108.12	107.71	106.32	104.62
15	98.89	100.07	103.41	104.39	105.96	107.06	107.64	108.07	108.85	106.41	106.65	104.52
20	98.84	101.59	102.74	104.47	105.81	107.28	108.26	108.25	107.16	107.20	105.91	104.33
25	99.88	102.25	102.87	104.87	106.76	107.49	108.35	108.41	107.13	107.05	105.53	104.29
Eom	99.06	102.75	104.10	105.01	106.81	107.70	108.72	109.38	108.11	106.41	105.15	104.00

1964

5	103.98	103.94	104.17	106.70	107.60	108.78	110.16	111.50	112.27	110.26	112.02	108.68
10	104.35	104.17	104.69	107.83	107.67	109.61	110.82	110.54	112.67	111.18	112.04	108.42
15	104.64	103.76	104.57	108.61	107.51	108.42	110.49	110.91	110.80	111.56	109.91	108.12
20	103.57	104.66	106.72	108.20	109.67	110.73	110.93	111.47	110.79	112.30	110.12	108.01
25	103.20	103.99	105.15	107.40	109.26	110.92	111.72	112.30	109.59	112.69	109.21	107.83
Eom	103.37	103.90	106.13	....	110.44	111.02	111.24	111.11	110.20	111.69	108.87	107.81

1965

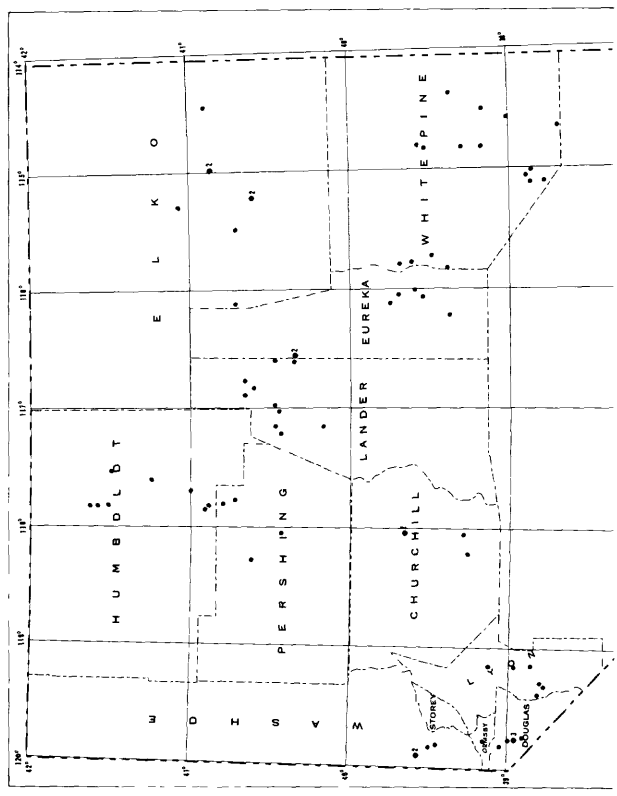
5	107.62	108.87	109.38	109.72	109.43	112.20	112.24	113.63	113.22	114.43	114.90	111.67
10	107.45	108.60	108.50	108.55	109.72	112.62	113.24	113.58	112.97	114.07	113.48	111.08
15	107.46	109.40	108.21	108.20	109.76	112.15	113.41	113.06	112.78	114.52	113.18	110.95
20	107.38	110.04	108.36	108.41	110.48	112.44	113.52	113.16	112.86	115.15	113.09	111.16
25	107.45	110.54	108.76	109.03	109.90	112.36	113.12	114.06	112.97	114.88	111.56	110.30
Eom	108.44	109.96	109.24	109.32	111.54	111.74	112.50	114.32	113.76	114.82	111.82	110.20

360910N1150920.1. Local number S21/61-4aad1. Opaco Lumber Co. (State Engineer No. 386). Drilled unused artesian well in alluvium of Quaternary age, diam 10 in, depth 793 ft, cased to 770, perforated 338-438, 642-770. Lsd 2,638.76 ft above msl. MP 1/8-in plug, 3.45 ft above lsd (since Nov. 12, 1964). Highest water level 46.7 above lsd, Feb. 8, 1950; lowest 26.82 below lsd, Aug. 17, 1965. Records available: 1944-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 10, 1961	+13.1	Aug. 1, 1962	-5.13	Nov. 15, 1963	-7.51	Feb. 19, 1965	-1.70
May 10	+7.5	Nov. 16	-3.86	Feb. 19, 1964	-0.46	May 11	-10.00
Sept. 7	-4.04	Feb. 22, 1963	+1.21	May 19	-9.10	Aug. 17	-26.82
Feb. 22, 1962	+9.7	May 23	-7.01	Nov. 12	-15.25	Nov. 17	-20.10
May 28	+0.95	Sept. 21	-15.49				

360600N1150910.1. Local number S21/61-22cccl. A. P. Baker (State Engineer No. 117). Drilled unused artesian well in alluvium of Quaternary age, diam 6 in, depth 500 ft, cased. Lsd 2,070.8 ft above msl. MP 1/8-in plug in casing, 2.00 ft above lsd (since Aug. 17, 1965). Highest water level 35.65 above lsd, Dec. 20, 1942, Jan. 24, 1943; lowest 30.96 below lsd, Nov. 11, 1964. Records available: 1940-65.

Mar. 10, 1961	-7.48	Nov. 16, 1962	-25.75	Feb. 19, 1964	-18.29	Feb. 18, 1965	-30.56
Sept. 8	-30.04	Feb. 23, 1963	-16.33	May 19	-30.82	May 11	-30.76
Feb. 22, 1962	-12.02	May 24	-30.73	Aug. 28	-30.01	Aug. 17	-30.27
May 28	-30.70	Sept. 19	-30.35	Nov. 11	-30.96	Nov. 17	-29.67
Aug. 1	-30.48	Nov. 17	-30.29				



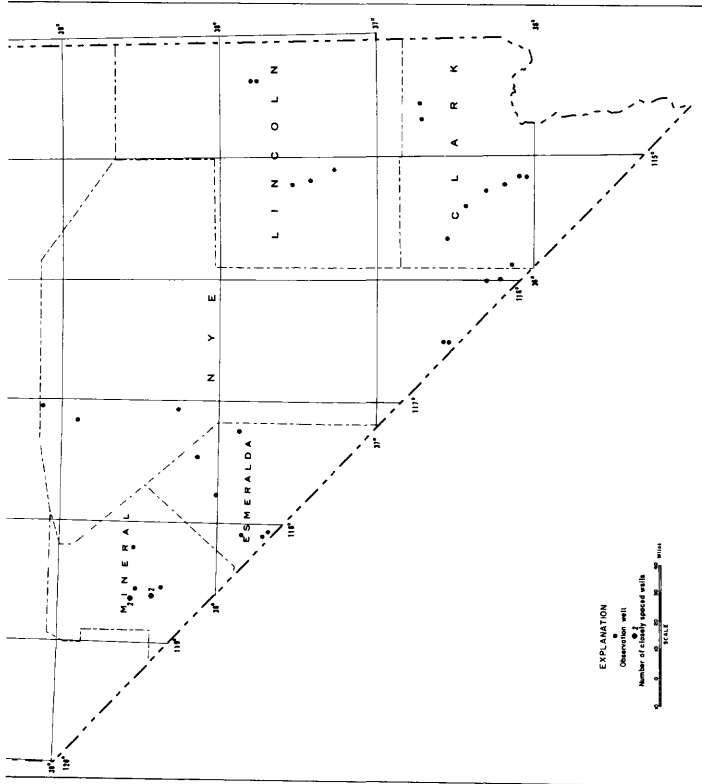


Figure 5.--Location of observation wells in Nevada, 1961-65.

360350N1151020.1. Local number S22/61-4bce1. Fitzpatrick (State Engineer No. 41). Drilled unused well in alluvium of Quaternary age, diam 8 in, depth 355 ft, cased. Lsd 2,224.91 ft above msl. MP top of casing, 3.80 ft above lvd. Highest water level 74.4 below lsd, Jan. 25, 1939; lowest 117.94 below lsd, Sept. 4, 1965. Records available: 1938-65.

Water level at noon, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	98.36	98.39	98.35	99.34	100.66	100.90	101.62	103.68	103.06	102.36	.....	100.64
10	98.24	98.36	98.36	99.15	100.83	101.18	101.92	103.80	103.51	102.23	101.61	100.39
15	98.46	98.47	98.53	99.55	100.79	101.76	102.46	103.54	102.92	102.32	101.16	100.60
20	98.75	98.53	98.83	99.86	100.85	101.84	102.48	103.43	102.90	102.42	100.93	100.40
25	98.61	98.61	98.95	100.33	101.26	102.35	103.40	103.25	102.25	102.38	100.93	100.31
Eom	98.21	98.61	99.24	100.34	100.91	102.38	102.86	102.70	102.41	101.86	100.41	100.51
1962												
5	100.58	100.51	100.12	101.94	102.54	103.79	104.66	106.00	105.78	106.22	.....	102.99
10	100.48	100.33	100.78	102.04	102.85	103.91	.....	105.68	105.28	105.43	.....	103.03
15	100.44	100.33	100.98	102.10	103.04	104.03	.....	105.74	105.57	105.14	.....	102.88
20	100.28	100.25	101.22	102.38	103.08	104.08	105.27	105.83	105.35	.....	104.12	102.56
25	100.29	100.02	101.02	102.68	102.98	104.34	105.51	105.84	105.91	103.81	103.37	102.79
Eom	100.47	100.14	101.52	.....	103.18	104.70	105.53	105.93	105.58	104.06	103.30	103.48
1963												
5	103.26	102.49	102.87	104.07	106.58	106.11	107.75	109.54	109.50	108.49	107.23	107.04
10	103.16	102.67	102.79	103.61	106.74	106.10	108.02	108.90	109.06	108.41	107.70	106.99
15	102.27	102.60	102.94	104.28	107.00	106.79	108.54	109.14	109.41	108.28	107.27	106.91
20	102.44	103.11	102.98	104.14	108.12	107.51	109.81	109.28	108.07	107.45	106.88	106.97
25	102.29	102.81	103.19	104.74	106.44	107.47	109.60	109.52	108.59	107.23	106.58	106.95
Eom	.....	102.96	103.67	104.97	106.24	107.36	109.65	109.60	109.02	107.44	106.79	107.06
1964												
5	107.04	105.78	106.44	107.29	108.48	111.35	112.91	113.14	113.08	113.32	112.31	112.33
10	106.89	105.82	106.55	107.71	108.73	110.73	112.65	112.92	113.07	114.24	112.37	111.34
15	106.10	105.75	106.57	108.16	108.93	111.17	112.60	113.41	113.08	114.01	111.86	111.06
20	105.95	105.93	106.72	108.27	109.73	111.66	113.00	113.77	113.18	113.90	111.52	110.90
25	105.94	106.09	107.06	108.56	110.16	112.45	113.33	113.35	.....	112.72	110.85	110.99
Eom	106.18	106.14	107.34	108.42	110.30	112.15	113.45	113.59	114.00	112.88	112.07	110.97
1965												
5	110.56	110.61	111.01	110.53	112.82	114.83	115.97	117.07	117.60	117.06	116.63	115.26
10	110.29	110.74	110.92	110.14	113.10	114.37	116.34	117.46	117.13	116.79	116.25	114.97
15	110.22	110.34	110.48	110.15	113.51	114.94	116.70	117.39	117.26	116.69	116.08	114.68
20	110.26	110.68	110.87	110.95	113.99	115.18	116.50	116.72	116.98	116.63	115.50	114.59
25	110.34	110.79	110.99	111.68	113.62	115.10	117.07	117.18	116.81	116.51	115.22	114.33
Eom	110.38	110.74	111.20	112.22	114.23	115.62	117.00	117.42	117.14	116.48	115.00	114.32

Muddy River Valley

364210N1144050.1. Local number S14/65-23ac2. V. V. Perkins. Drilled unused well in alluvium of Quaternary age, diam 6 in, depth 50 ft, cased. Lsd about 1,700 ft above msl. MP top of casing, 1.90 ft above lsd. Highest water level 1.57 above lsd, Feb. 22, 1964; lowest 7.27 below lsd, Sept. 23, 1948. Records available: 1948-53, 1955-59, 1961, 1963-65. No measurement made in 1962. Mar. 8, 1961, -0.58; Feb. 22, 1963, +0.11; Feb. 22, 1964, +1.57; Feb. 17, 1965, -0.93.

363940N1143330.1. Local number S14/66-35dd1. L. J. McCormick. Formerly Jay Robb. Drilled irrigation well in alluvium of Quaternary age, diam 16 in, depth 118 ft, cased 0-98, perforated 65-88. Lsd about 1,570 ft above msl. MP bottom of slot in casing, 0.80 ft above lsd. Highest water level 11.16 below lsd, Dec. 18, 1951; lowest 38.75 below lsd, Aug. 2, 1960. Records available: 1948, 1950-54, 1957-60, 1963-65. No measurement made in 1961-62.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 23, 1963	b57.43	Nov. 18, 1963	19.93	Nov. 14, 1964	34.80	May 12, 1965	b54.53
May 26	b56.78	Feb. 23, 1964	14.82	Feb. 17, 1965	16.54	Nov. 19	32.33
Sept. 21	b63.03	Aug. 28	b64.98				

b Well pumped recently.

Pahrump Valley

[See also Nye County]

360840N1155300.1. Local number S21/54-10aac1. Bowman (State Engineer No. 22). Drilled unused well in alluvium of Quaternary age, diam 14 in, depth 800 ft, cased to 472, perforated 100-450. Lsd 2,855.68 ft above msl. MP top of casing, 0.30 ft above lsd. Highest water level 25.99 below lsd, Jan. 5, 1945; lowest 82.03 below lsd, Sept. 12, 1965. Records available: 1944-58, 1961-65.

Water level at noon, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	54.28	52.50	57.73	59.22	56.63	59.86	63.16	64.34	63.19	61.66	.....	56.83
10	54.21	52.33	58.38	60.20	56.16	61.64	62.96	65.48	64.18	.....	58.02	56.65
15	52.90	52.80	59.54	59.08	58.23	62.19	64.50	65.06	63.28	61.59	57.80	.....
20	52.62	54.06	60.50	58.06	59.80	62.50	64.79	64.16	63.23	60.96	.....	.....
25	52.60	53.50	61.24	58.92	59.29	61.94	65.48	63.70	62.40	59.87	.....	.....
Eom	52.67	56.74	60.14	57.52	58.24	63.56	66.48	64.34	60.62	.....	56.92	.....
1962												
5	.....	.....	.....	.....	.....	.....	.....	69.08	69.30	64.34	61.05	60.96
10	59.11	56.60	59.74	.....	.....	.....	.....	68.13	68.06	66.02	61.44	61.02
15	59.42	.....	.....	.....	.....	.....	.....	69.05	67.15	61.30	61.05	59.74
20	58.43	.....	.....	.....	.....	.....	.....	69.47	65.90	61.47	60.57	59.67
25	58.14	.....	.....	.....	.....	.....	67.71	68.83	64.91	61.63	60.34	59.40
Eom	.....	.....	.....	.....	.....	.....	68.75	67.88	64.98	62.38	60.02	58.96

360840N1155300, 1--Continued.

Water level at noon, from recorder graph, 1963

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	58.89	59.10	62.68	68.29	66.48	69.26	70.88	72.43	73.56	69.10	67.55	65.35
10	58.79	58.88	63.40	68.80	66.48	69.72	71.52	73.30	71.10	71.26	66.80	65.29
15	58.65	60.40	58.90	68.30	66.23	68.41	72.00	73.00	71.70	68.78	65.86	64.25
20	58.61	60.62	66.06	67.82	67.38	70.10	72.46	72.80	68.66	68.86	65.60	63.80
25	58.65	62.22	67.02	67.28	68.80	68.70	72.66	72.94	68.06	69.60	65.41	63.74
Eom	58.65	62.30	67.68	64.78	68.78	70.70	73.02	73.02	68.84	69.10	66.10	64.58

1964

5	64.72	65.29	67.36	72.44	70.18	73.68	73.66	76.52	76.45	76.55	71.80	69.30
10	64.32	65.01	67.84	73.06	69.90	74.64	73.68	76.59	76.58	76.77	71.07	70.00
15	65.50	66.00	70.42	73.84	71.54	74.48	73.81	77.14	77.35	75.20	70.30	68.80
20	66.21	65.51	71.32	72.40	71.86	73.60	74.02	76.92	75.93	74.68	70.15	68.70
25	64.44	66.94	72.93	71.08	69.64	74.71	74.77	78.00	75.85	74.97	69.33	68.03
Eom	63.74	67.50	72.04	70.30	72.60	73.12	72.55	77.14	74.10	73.76	69.25	68.55

1965

5	68.20	70.53	72.03	74.95	73.07	77.95	79.20	80.95	81.40	79.13	77.86	72.85
10	69.05	69.50	73.60	72.30	73.70	78.25	79.20	81.20	81.40	79.40	75.97	72.50
15	69.60	70.80	74.55	72.60	75.62	77.25	80.13	80.70	81.00	78.71	75.23	73.22
20	69.10	70.95	76.32	73.48	76.05	78.00	79.80	80.70	79.65	78.70	74.30	71.93
25	68.55	70.95	77.01	73.15	75.99	78.25	79.65	80.70	78.90	78.70	73.75	71.95
Eom	69.87	69.75	77.49	72.30	76.10	79.46	79.95	80.60	78.46	78.70	73.01	71.50

Douglas County

Carson Valley

385430N1194550.1. Local number 12/20-17ba1. John Helwinkel, Jr. Drilled irrigation water-table well in alluvium of Quaternary age, diam 18 in, depth 365 ft, cased. Lsd about 4,775 ft above msl. MP slot in pumpbase, 0.10 ft above lsd. Highest water level 8.32 below lsd, July 9, 1949; lowest 20.19 below lsd, Mar 22, 1960. Records available: 1949-56, 1959-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6, 1961	19.25	Sept. 10, 1962	14.42	Mar. 3, 1964	19.41	Mar. 9, 1965	18.26
Oct. 12	18.10	Feb. 26, 1963	17.49	Sept. 17	17.03	Sept. 16	11.65
Feb. 27, 1962	18.43	Sept. 13	14.33				

390010N1194540.1. Local number 13/20-8ca1. C. W. Godecke. Drilled stock and irrigation well in alluvium of Quaternary age, diam 18 to 12 in, depth 300 ft, cased, 18-in 0-60, 12-in 60-300. Lsd about 4,700 ft above msl. MP slot in pumpbase, 0.80 ft above lsd. Highest water level flowing, Mar. 30, May 24, 1950, Sept. 18, Dec. 23, 1952, Apr. 3, 1953; lowest 6.36 below lsd, Sept. 27, 1954. Records available: 1942, 1948-52, 1954-65.

Mar. 16, 1961	-2.68	Feb. 27, 1962	-1.92	Mar. 3, 1964	-2.32	Mar. 9, 1965	-2.32
Oct. 12	-4.37	Feb. 26, 1963	-1.70	Sept. 17	b-12.20	Sept. 16	-4.60

b Well pumped recently.

385800N1194510.1. Local number 13/20-29aab1. H. F. Dangberg Co. Drilled irrigation artesian well in alluvium of Quaternary age, diam 12 in, reported depth 320 ft, reported plugged at 125 ft. Lsd about 4,720 ft above msl. MP top of discharge pipe, 4.85 ft above lsd. Highest water level 0.10 above lsd, May 11, 1948; lowest 4.04 below lsd, Aug. 15, 1950. Records available: 1948-65.

Mar. 16, 1961	-2.21	Sept. 10, 1962	-2.42	Mar. 19, 1964	-1.48	Mar. 9, 1965	-1.35
Oct. 12	-2.84	Feb. 26, 1963	-1.36	Sept. 17	-2.53	Sept. 16	-0.40
Feb. 27, 1962	-1.52	Sept. 13	-2.06				

385650N1194540.1. Local number 13/20-31bd1. H. F. Dangberg. Drilled irrigation water-table well in alluvium of Quaternary age, diam 16 in, depth 413 ft, cased to 400, perforated 60-400. Lsd about 4,711 ft above msl. MP end of 6-in discharge pipe, 7.00 ft above lsd. Highest water level 2.12 below lsd, Dec. 19, 1950, Sept. 18, 1952; lowest 7.52 below lsd, Aug. 15, 1950. Records available: 1950-65.

Mar. 16, 1961	3.50	Feb. 27, 1962	2.87	Sept. 13, 1963	4.33	Mar. 9, 1965	3.15
Oct. 12	5.37	Feb. 26, 1963	2.34	Mar. 3, 1964	3.46	Sept. 16	2.80

385630N1194520.1. Local number 13/20-32dc1. Mack Land & Cattle Co. Drilled irrigation water-table well in alluvium of Quaternary age, diam 12 in, reported depth 420 ft. Lsd about 4,733 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 7.83 below lsd, May 24, 1950; lowest 14.17 below lsd, Aug. 26, 1960. Records available: 1943-62, 1964-65. No measurement made in 1963. Mar. 16, 1961, 10.71; Sept. 10, 1962, 9.54; Mar. 19, 1964, 10.40; Sept. 17, 12.42; Mar. 9, 1965, 9.97; Sept. 15, 9.80.

390230N1194800.1. Local number 14/19-25ba1. Carson Indian Agency. Drilled irrigation water-table well in alluvium of Quaternary age, diam 12 in, depth 239 ft, cased. Lsd about 4,680 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 10.49 below lsd, May 10, 1946; lowest 23.00 below lsd, Oct. 12, 1961. Records available: 1946, 1948-65.

Mar. 16, 1961	20.23	Feb. 26, 1963	17.61	Mar. 3, 1964	13.61	Mar. 9, 1965	11.52
Oct. 12	23.00	Sept. 13	15.13	Sept. 17	17.83	Sept. 16	14.13
Feb. 27, 1962	19.85						

Elko County

Clover Valley

405310N1145740.1. Local number 35/62-27b1. U.S. Geol. Survey. Drilled test and observation well in alluvium of Quaternary age, diam 6 in, depth 286 ft, cased 0-197. Lsd about 5,650 ft above msl. MP top of cap on casing, 0.45 ft above lsd. Highest water level 6.43 below lsd, Sept. 13, 1965; lowest 11.07 below lsd, May 3, 1955. Records available: 1949-65. Sept. 21, 1961, 10.69; Sept. 18, 1962, 10.16; Sept. 17, 1963, 9.45; Sept. 17, 1964, 9.45; Sept. 13, 1965, 6.43.

405310N1145740.2. Local number 35/62-27b2. U.S. Geol. Survey. Drilled observation water-table well in alluvium of Quaternary age, diam 1 in, depth 15 ft, cased. Lsd 5,650 ft above msl. MP top of casing, 0.47 ft above lsd. Highest water level 6.53 below lsd, June 9, 1949; lowest 10.91 below lsd, May 3, 1955. Records available: 1949-65. Sept. 21, 1961, 10.42; Sept. 18, 1962, 10.23; Sept. 17, 1963, 9.94; Sept. 17, 1964, 9.80; Sept. 13, 1965, 7.36.

Goshute-Antelope Valley

405110N1142620.1. Local number 34/67-6a2. Western Pacific RR. Co. Shafter. Drilled industrial water-table well in alluvium of Quaternary age, diam 16 in, reported depth 250 ft, cased. Lsd 5,550 ft above msl. MP top of curb at lsd. Highest water level 26.85 below lsd, Mar. 27, 1951; lowest 30.72 below lsd, Sept. 17, 1964. Records available: 1948-61, 1963-65. No measurement made in 1962. Sept. 22, 1961, 29.48; Sept. 17, 1963, 29.54; Sept. 17, 1964, 30.72; Sept. 13, 1965, 29.67.

Humboldt River Valley

[See also Humboldt, Lander, and Pershing Counties]

404240N1160250.1. Local number 33/52-27d1. Carlin Town Government. Drilled unused water-table well in alluvium of Quaternary age, diam 20 in, depth 500 ft, cased to 125. Lsd about 4,920 ft above msl. MP top of casing, 0.75 ft above lsd. Highest water level 2.77 below lsd, Feb. 20, 1951; lowest 8.88 below lsd, Jan. 20, 1955. Records available: 1938-65. Sept. 23, 1961, 8.54; Sept. 19, 1962, 7.74; Sept. 19, 1963, 7.66; Sept. 18, 1964, 7.69; Sept. 14, 1965, 7.05.

410400N1151640.1. Local number 37/59-28a1. Marvel Ranch (Deeth). Dug domestic water-table well in alluvium of Quaternary age, diam 4 ft, depth 14 ft, cased. Lsd about 5,350 ft above msl. MP top of elbow welded on well cover, 1.70 ft above lsd. Highest water level 2.9 below lsd, May 28, 1952; lowest 10.8 below lsd, Mar. 30, Sept. 28, 1955. Records available: 1938-65. Sept. 22, 1961, 9.10; Sept. 18, 1962, 7.70; Sept. 19, 1963, 7.80; Sept. 20, 1964, 7.80; Sept. 14, 1965, 6.07.

Lamolle Valley

404350N1152810.1. Local number 33/58-19ad1. H. Conrad. Known as Lamolle Church. Dug domestic water-table well in alluvium of Quaternary age, diam 4 ft, depth 16 ft, cased. Lsd about 5,950 ft above msl. MP top of wood curb at lsd. Highest water level 0.6 below lsd, July 1, 1936; lowest 15.1 below lsd, Dec. 15, 1940. Records available: 1934-65. Sept. 23, 1961, 9.75; Sept. 19, 1962, 7.61; Sept. 20, 1963, 4.75; Sept. 28, 1964, 9.80; Sept. 15, 1965, 3.64.

Ruby Valley

403730N1151340.1. Local number 32/60-29c1. U.S. Geol. Survey. Drilled test and observation well in alluvium of Quaternary age, diam 6 in, depth 202 ft, cased to 137. Lsd about 6,000 ft above msl. MP top of cap on casing, 0.70 ft above lsd. Highest water level 1.38 below lsd, Mar. 28, 1951; lowest 5.35 below lsd, Sept. 21, 1961. Records available: 1949-65. Sept. 21, 1961, 5.35; Sept. 18, 1962, 4.42; Sept. 17, 1963, 4.33; Sept. 17, 1964, 4.45; Sept. 13, 1965, 3.31.

403730N1151340.2. Local number 32/60-29c2. U.S. Geol. Survey. Driven observation water-table well in alluvium of Quaternary age, diam 1½ in, depth 15 ft, cased to 15. Lsd about 6,000 ft above msl. MP top of casing, 2.05 ft above lsd. Highest water level 3.65 below lsd, Mar. 28, 1951; lowest 7.48 below lsd, Sept. 21, 1961. Records available: 1949-65. Sept. 21, 1961, 7.48; Sept. 18, 1962, 7.04; Sept. 17, 1963, 6.92; Sept. 17, 1964, 6.98; Sept. 13, 1965, 6.31.

Emeralda County

Alkali Flat

380020N1174620.1. Local number 2/38-20dc1. Goldfield and Tonopah RR. Dug unused well in alluvium of Quaternary age, size 4 × 5 ft, depth 114 ft, cribbed with wood. Lsd about 4,800 ft above msl. MP top of wood cribbing, at lsd. Highest water level 102.06 below lsd, Mar. 20, 1963; lowest 106.38 below lsd, Sept. 13, 1963. Records available: 1957-60, 1962-65. No measurement made in 1961. Oct. 11, 1962, 102.45; Mar. 20, 1963, 102.06; Sept. 13, 1963, 106.38; Mar. 27, 1964, 102.63; Sept. 18, 1965, 102.33; Sept. 14, 1965, 103.23.

Alkali Springs Valley

375300N1171510.1. Local number S1/42-3. Owner unknown. Drilled unused well in alluvium of Quaternary age, diam 6 in, depth unknown, cased. Lsd about 4,980 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 196.69 below lsd, Feb. 1, 1960; lowest 197.10 below lsd, Mar. 27, 1964. Records available: 1957-60, 1962-65. No measurement made in 1961. Oct. 11, 1962, 196.95; Mar. 21, 1963, 196.95; Sept. 13, 197.04; Mar. 27, 1964, 197.10; Sept. 18, 196.62; Mar. 26, 1965, 196.94.

Fish Lake Valley

374950N1180510.1. Local number S1/35-28a1. Rex B. Clark. Drilled stock water-table well in alluvium of Quaternary age, diam 16 in, depth 624 ft, cased to 600, perforated 150-600. Lsd about 4,900 ft above msl. MP top of hole in plug in casing, 0.50 ft above lsd. Highest water level 25.45 below lsd, Jan. 21, 1948; lowest 32.84 below lsd, Sept. 13, 1962. Records available: 1945-56, 1958-59, 1962-65. No measurement made in 1961. Sept. 13, 1962, 32.84; Sept. 24, 1963, 31.15; Sept. 19, 1964, 32.32; Sept. 14, 1965, 31.50.

374200N1180500.1. Local number S3/35-4d3. Sigurd Folwick. Drilled irrigation water-table well in alluvium of Quaternary age, diam 14 in, reported depth 132 ft, perforated 70-132. Lsd about 4,860 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 29.92 below lsd, Sept. 14, 1965; lowest 52.23 below lsd, Sept. 13, 1962. Records available: 1950-57, 1959, 1962-65. No measurement made in 1961. Sept. 13, 1962, 52.23; Sept. 24, 1963, 51.66; Sept. 19, 1964, 52.14; Sept. 14, 1965, 29.92.

374030N1180340.1. Local number S3/35-14c4. U. S. Bureau of Land Management. Drilled unused water-table well in alluvium of Quaternary age, diam 12 in, depth unknown, cased. Lsd about 4,830 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 38.6 below lsd, Jan. 21, 1948; lowest 51.71 below lsd, Sept. 13, 1962. Records available: 1945, 1947-59, 1962-65. No measurement made in 1961. Sept. 13, 1962, 51.71; Sept. 24, 1963, 49.83; Sept. 19, 1964, 51.26; Sept. 14, 1965, 50.13.

Tonopah and Vicinity

380830N1172720.1. Local number 3/40-2c1. Millers Mill. Dug unused water-table well in alluvium of Quaternary age, size 8 x 5 ft, depth 61 ft, cribbed with wood. Lsd about 4,790 ft above msl. MP arrow carved on southwest corner of cribbing, at lsd. Highest water level 39.10 below lsd, Nov. 10, 1948; lowest 43.78 below lsd, Sept. 13, 1963. Records available: 1948-55, 1957-60, 1963-65. No measurement made in 1961 or 1962. Mar. 20, 1963, 39.80; Sept. 13, 43.78; Mar. 27, 1964, 39.70; Sept. 19, 39.29; Mar. 22, 1965, 39.27; Sept. 14, 39.44.

Eureka County

Antelope Valley

392310N1161250.1. Local number 18/51-34d1. Bartholemae Corp. Drilled stock water-table well in alluvium of Quaternary age, diam 6 in, depth 134 ft, cased. Lsd about 6,330 ft above msl. MP top of casing, 0.60 ft above lsd. Highest water level 93.74 below lsd, Sept. 16, 1965; lowest 94.43 below lsd, Mar. 24, 1964. Records available: 1949-53, 1955, 1957, 1961-65. Sept. 21, 1961, 94.29; Mar. 25, 1962, 94.34; Mar. 26, 1963, 94.30; Mar. 24, 1964, 94.43; Sept. 17, 94.40; Mar. 25, 1965, 94.13; Sept. 16, 93.74.

Crescent Valley

[See also Lander County]

402020N1163300.1. Local number 29/48-34c1. Dan Filippini. Drilled stock water-table well in alluvium of Quaternary age, diam 6 in, depth unknown, cased. Lsd 4,731.3 ft above msl. MP top of plank, at lsd (since Oct. 3, 1961). Highest water level 4.17 below lsd, Mar. 12, 1957; lowest 13.52 below lsd, Mar. 27, 1956. Records available: 1948-52, 1954-58, 1961-65. Oct. 3, 1961, 8.32; Sept. 19, 1962, 7.09; Sept. 19, 1963, 7.17; Sept. 18, 1964, 6.83; Sept. 18, 1965, 5.86.

402020N1163300.2. Local number 29/48-34c2. Dan Filippini. Drilled unused well in alluvium of Quaternary age, diam 4 in, depth 108 ft, cased. Lsd 4,731 ft above msl. MP top of casing, at lsd. Highest water level 1.90 below lsd, Sept. 18, 1964; lowest 6.13 below lsd, Sept. 11, 1959. Records available: 1958-60, 1962-65. No measurement made in 1961. Sept. 19, 1962, 3.29; Sept. 19, 1963, 3.49; Sept. 18, 1964, 1.90; Sept. 18, 1965, 3.11.

Diamond Valley

393620N1155930.1. Local number 20/53-15b1. U. S. Bureau of Land Management. Dug stock water-table well in alluvium of Quaternary age, diam 4 ft, depth 86 ft (previously reported 99 ft), cribbed with concrete. Lsd about 5,950 ft above msl. MP top of pipe, 3.30 ft above lsd (since Mar. 23, 1965). Highest water level 71.75 below lsd, Apr. 30, 1948; lowest dry, Sept. 20, 1965. Records available: 1947-59, 1961-65. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 22, 1961	74.34	Oct. 14, 1962	79.1	Sept. 10, 1963	86.01	Mar. 23, 1965	82.10
Mar. 25, 1962	78.28	Mar. 25, 1963	81.42	Mar. 24, 1964	86.58	Sept. 20	(f)

e Estimated.

f Dry.

393310N1160200.1. Local number 20/53-31d1. A. C. Florio. Drilled stock well in alluvium of Quaternary age, diam 6 in, depth unknown, cased. Lsd about 6,100 ft above msl. MP top of casing, 0.50 ft above lsd (since Sept. 10, 1963). Highest water level 155.46 below lsd, Sept. 6, 1957; lowest 165.90 below lsd, Sept. 13, 1949. Records available: 1947-61, 1963-65. No measurement made in 1962. Sept. 21, 1961, 165.02; Mar. 26, 1963, 159.97; Sept. 10, 160.84; Mar. 24, 1964, 160.00; Sept. 16, 161.92; Mar. 23, 1965, 160.72; Sept. 20, 161.54.

394250N1160200.1. Local number 21/53-5cb1. Formerly 21/53-5cl. A. C. Florio. Drilled stock water-table well in alluvium of Quaternary age, diam 4 ft, depth 42 ft, cased. Lsd about 5,880 ft above msl. MP top of casing, 1.70 ft above lsd (since Oct. 14, 1962). Highest water level 27.61 below lsd, Dec. 18, 1959; lowest 34.55 below lsd, Sept. 22, 1965. Records available: 1947-56, 1959, 1961-65.

Sept. 12, 1961	30.89	Oct. 14, 1962	32.28	Mar. 24, 1964	33.90	Mar. 23, 1965	33.70
22	30.88	Mar. 25, 1963	32.60	Sept. 16	33.73	Sept. 22	34.55
Mar. 25, 1962	30.96	Sept. 10	33.08				

394520N1155240.1. Local number 22/54-27ca1. Robert Stucki. Drilled domestic and irrigation well in alluvium of Quaternary age, diam 12 in, depth 94 ft, cased to 93, perforated 46-93. Lsd 5,858 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 5.49 below lsd, Aug. 11, 1949; lowest 20.24 below lsd, Mar. 23, 1965. Records available: 1949-55, 1957, 1959, 1961-65.

Sept. 22, 1961	12.68	Oct. 14, 1962	14.74	Sept. 10, 1963	19.27	Mar. 23, 1965	20.24
Mar. 25, 1962	11.08	Mar. 25, 1963	12.21	Mar. 24, 1964	17.01	Sept. 21	17.49

Humboldt County

Grass Valley

[See also Pershing County]

405120N1174800.1. Local number 35/37-34a2. Owner unknown. Drilled unused water-table well in alluvium of Quaternary age, diam 10 in, depth 83 ft, cased. Lsd 4,301.5 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 17.68 below lsd, May 16, 1946; lowest 28.14 below lsd, Oct. 3, 1961. Records available: 1946-65. Oct. 3, 1961, 28.14; Oct. 24, 1962, 25.29; Sept. 12, 1963, 24.72; Mar. 16, 1964, 28.04; Sept. 15, 25.00; Mar. 22, 1965, 23.50; Sept. 21, 23.60.

Humboldt River Valley

[See also Elko, Lander, and Pershing Counties]

405010N1175020.1. Local number 35/37-8d2. D. H. McNinch. Drilled unused water-table well in alluvium of Quaternary age, diam 16 in, depth 77 ft, cased. Lsd 4,301 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 50.74 below lsd, Mar. 17, 1953; lowest 69.50 below lsd, Sept. 25, 1961. Records available: 1947-61, 1963-65. No measurement made in 1962. Mar. 23, 1961, 62.71; Sept. 25, 69.50; Sept. 11, 1963, 58.79; Mar. 15, 1964, 58.18; Sept. 15, 57.75; Mar. 22, 1965, 58.82; Sept. 21, 56.97.

405940N1174230.1. Local number 36/38-16c1. George Hay Co. Drilled irrigation water-table well in alluvium of Quaternary age, diam 12 in, depth 55 ft, cased. Lsd 4,291.6 ft above msl. MP top of 1-in hole in pumpbase, 0.30 ft above lsd. Highest water level 15.08 below lsd, May 14, 1951; lowest 21.53 below lsd, Oct. 29, 1951. Records available: 1947-59, 1963-65. No measurement made in 1961-62. Sept. 11, 1963, 19.43; Mar. 15, 1964, 20.82; Sept. 15, 19.75; Mar. 22, 1965, 17.76; Sept. 21, 18.22.

Paradise Valley

411510N1173500.1. Local number 39/39-16d1. Dwight C. Vedder. Drilled stock water-table well in alluvium of Quaternary age, diam 12 in, depth 46 ft, cased. Lsd 4,331.7 ft above msl. MP bottom edge of pumpbase, 0.30 ft above lsd. Highest water level 3.82 below lsd, May 28, 1951; lowest 14.01 below lsd, Sept. 11, 1963. Records available: 1947-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 21, 1961	8.83	Oct. 26, 1962	10.13	Mar. 17, 1964	12.85	Mar. 23, 1965	10.74
Sept. 25	9.35	Sept. 11, 1963	14.01	Sept. 16	13.86	Sept. 22	11.87

412910N1173210.1. Local number 42/39-25c1. U. S. Bureau of Land Management. Dug unused water-table well in alluvium of Quaternary age, diam 6 ft, depth 18 ft, cased with iron. Lsd 4,523 ft above msl. MP top of concrete floor, 5.20 ft below lsd. Highest water level 1.80 below lsd, July 8, 1958; lowest 11.03 below lsd, Nov. 16, 1961. Records available: 1945-65.

Jan. 15, 1961	10.19	Mar. 19, 1962	9.40	July 30, 1963	7.56	Oct. 27, 1964	9.60
Feb. 15	10.07	Apr. 25	7.67	Aug. 29	8.57	Nov. 15	9.35
Mar. 14	9.85	May 15	7.13	Sept. 14	8.93	Dec. 27	8.01
21	9.57	June 7	4.87	Oct. 19	9.39	Jan. 23, 1965	4.69
Apr. 12	9.40	July 5	5.89	Nov. 21	9.50	Feb. 16	3.78
May 10	9.19	Aug. 13	7.97	Dec. 17	9.40	Mar. 23	2.92
June 3	9.09	Sept. 20	9.00	Jan. 20, 1964	9.23	Apr. 27	3.00
July 12	9.74	Oct. 26	9.44	Feb. 22	9.04	May 15	3.52
Aug. 10	10.39	Nov. 21	9.47	Mar. 17	8.60	June 19	3.57
Sept. 13	10.83	Dec. 19	9.50	Apr. 15	8.59	July 22	5.56
25	10.89	Jan. 22, 1963	9.45	May 20	7.96	Aug. 25	7.23
Oct. 11	10.95	Feb. 27	9.07	June 11	7.50	Sept. 22	9.10
Nov. 16	11.03	Mar. 26	9.11	July 11	7.82	Oct. 20	8.26
Dec. 31	11.00	Apr. 24	8.05	Aug. 11	8.80	Nov. 17	8.34
Jan. 8, 1962	11.00	May 29	8.51	Sept. 16	9.47	Dec. 14	8.38
Feb. 20	9.63	June 19	5.71				

Quinn River Valley

413320N1174820.1. Local number 42/37-33b1. Formerly 42/37-33b1. George Reed. Drilled irrigation water-table well in alluvium of Quaternary age, diam 12 in, depth 160 ft, cased to 160. Lsd 4,260 ft above msl. MP top of casing, 2.00 ft above lsd (since Sept. 17, 1963). Highest water level 16.55 below lsd, Jan. 20, 1950; lowest 46.21 below lsd, Sept. 17, 1963. Records available: 1949-64. No measurement made in 1965. Mar. 21, 1961, 31.88; Sept. 24, 38.90; Oct. 25, 1962, 43.07; Sept. 17, 1963, 46.21; Mar. 12, 1964, 44.18; Sept. 19, 65.20 (nearby well being pumped).

413310N1174820.1. Local number 42/37-33b2. Drees. Formerly Hassenyager. Drilled irrigation water-table well in alluvium of Quaternary age, diam 18 in, depth 95 ft, cased to 68. Lsd about 4,220 ft above msl. MP top of slot in casing, 0.60 ft above lsd (since Mar. 24, 1964). Highest water level 35.42 below lsd, Sept. 16, 1953; lowest 58.03 below lsd, Aug. 25, 1964. Records available: 1948-64. No measurement made in 1965. Mar. 21, 1961, 42.38; Sept. 24, 45.91; Oct. 25, 1962, 48.21; Nov. 2, 1963, 52.21; Mar. 24, 1964, 50.69; Aug. 25, 58.03.

413750N1174030.1. Local number 43/37-4c1. C. S. Collins. (Replaces 43/37-4c2). Drilled stock water-table well in alluvium of Quaternary age, diam 6 in, depth 56 ft, cased. Lsd 4,215 ft above msl. MP top of casing, at lsd. Highest water level 17.74 below lsd, July 16, 1947; lowest 41.73 below lsd, Sept. 18, 1964. Records available: 1947, 1960-64. No measurement made in 1965.

July 16, 1947	17.74	Mar. 21, 1961	28.34	Oct. 25, 1962	35.49	Mar. 12, 1964	36.52
Sept. 1, 1960	29.59	Sept. 24	33.26	Sept. 17, 1963	38.51	Sept. 18	41.73

Lander County

Crescent Valley

[See also Eureka County]

402100N1163520.1. Local number 29/48-29c2. Beowawe Farms. Drilled irrigation well in alluvium of Quaternary age, diam 14 in, depth 300 ft, cased to 300. Lsd about 4,810 ft above msl. MP top of casing, 0.60 ft above lsd. Highest water level 57.03 below lsd, Sept. 18, 1965; lowest 66.87 below lsd, Oct. 3, 1961. Records available: 1958-65. Oct. 3, 1961, 66.87; Sept. 19, 1962, 64.10; Sept. 19, 1963, 57.79; Sept. 18, 1964, 57.62; Sept. 18, 1965, 57.03.

402520N1163410.1. Local number 30/48-33c1. H. J. Buchaneau. Drilled irrigation well in alluvium of Quaternary age, diam 14 in, reported depth 300 ft, cased to 300. Lsd 4,804.36 ft above msl. MP top of air line slot, 0.50 ft above lsd. Highest water level 58.40 below lsd, Mar. 6, 1953; lowest 80.56 below lsd, Sept. 19, 1963. Records available: 1953, 1958-59, 1962-65. No measurement made in 1961. Sept. 19, 1962, 70.11; Sept. 19, 1963, 80.56; Sept. 18, 1964, 68.24; Sept. 18, 1965, 66.34.

Humboldt River Valley

[See also Elko, Humboldt, and Pershing Counties]

403920N1165200.1. Local number 32/45-11d1. U. S. Geol. Survey. Drilled test and observation well in alluvium of Quaternary age, diam 6 in, depth 177 ft, cased to 171. Lsd about 4,518 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 4.08 below lsd, July 10, 1952; lowest 10.88 below lsd, Oct. 4, 1961. Records available: 1949-65. Mar. 22, 1961, 9.76; Oct. 4, 10.88; Sept. 20, 1962, 8.80; Sept. 18, 1963, 8.91; Sept. 21, 1964, 9.01; Sept. 16, 1965, 8.54.

403910N1164510.1. Local number 32/46-11d1. U. S. Bureau of Reclamation. Dug stock water-table well in alluvium of Quaternary age, size 4 x 5 ft, depth 13 ft, cribbed with wood. Lsd 4,543 ft above msl. MP top of 8- x 14-in timber pump support, 0.80 ft above lsd. Highest water level 3.77 below lsd, Apr. 11, 1946; lowest 9.77 below lsd, Sept. 6, 1955. Records available: 1945-59, 1961-65. Oct. 4, 1961, 9.20; Sept. 20, 1962, 8.53; Sept. 18, 1963, 8.24; Sept. 21, 1964, 8.23; Sept. 16, 1965, 7.58.

403620N1165020.1. Local number 32/46-31bb1. Humboldt Petroleum Co. Drilled oil test well in alluvium of Quaternary age, diam 6 in, depth 126 ft, cased. Lsd 4,529 ft above msl. MP top of casing, 0.90 ft above lsd. Highest water level 10.75 below lsd, Apr. 3, 1952; lowest 12.63 below lsd, Sept. 21, 1964. Records available: 1947-65. Mar. 22, 1961, 11.82; Oct. 4, 12.44; Sept. 20, 1962, 11.22; Sept. 18, 1963, 11.45; Sept. 21, 1964, 12.63; Sept. 16, 1965, 11.89.

Reese River Valley

400950N1170900.1. Local number 27/43-33cd1. Owner unknown. Watts. Drilled unused well in alluvium of Quaternary age, diam 6 in, depth 114 ft, cased. Lsd 4,810 ft above msl. MP top of 2-in plank cover, 0.40 ft above lsd. Highest water level 7.36 below lsd, Sept. 18, 1963; lowest 15.12 below lsd, Sept. 3, 1958. Records available: 1947-58, 1961-65. Oct. 4, 1961, 8.64 (affected by mudflow); Sept. 20, 1962, 7.55 (affected by mudflow); Sept. 18, 1963, 7.36; Sept. 20, 1964, 8.37; Sept. 16, 1965, 8.66.

402710N1171240.1. Local number 30/42-24cc1. U. S. Bureau of Land Management. Drilled stock water-table well in alluvium of Quaternary age, diam 6 in, depth 54 ft, cased. Lsd 4,634 ft above msl. MP ½-in hole in pumpbase, 0.10 ft above lsd. Highest water level 10.30 below lsd, Mar. 16, 1949; lowest 13.25 below lsd, Sept. 21, 1955. Records available: 1947-65. Oct. 4, 1961, 12.34; Sept. 20, 1962, 11.86; Sept. 18, 1963, 11.81; Sept. 20, 1964, 11.95; Sept. 16, 1965, 11.09.

403010N1170830.1. Local number 30/43-9aa1. Copper Canyon Mining Co. Drilled unused well in alluvium of Quaternary age, diam 12 in, depth 201 ft, cased to 192. Lsd 4,767 ft above msl. MP top of casing, 0.30 ft above lsd. Highest water level 134.56 below lsd, May 22, 1947; lowest 138.27 below lsd, Mar. 16, 1951. Records available: 1947-65. Oct. 4, 1961, 136.33; Sept. 20, 1962, 135.90; Sept. 18, 1963, 135.60; Sept. 20, 1964, 135.60; Sept. 16, 1965, 134.88.

402710N1170100.1. Local number 30/44-22cb1. Owner unknown. Dillon. Drilled unused water-table well in alluvium of Quaternary age, diam 6 in, depth 80 ft, casing information not available. Lsd 4,676 ft above msl. MP top of casing, 0.90 ft above lsd. Highest water level 26.64 below lsd, Nov. 8, 1947; lowest 31.36 below lsd, Sept. 18, 1963. Records available: 1947-65. Oct. 4, 1961, 31.23; Sept. 20, 1962, 31.13; Sept. 18, 1963, 31.36; Sept. 20, 1964, 31.19; Sept. 16, 1965, 30.34.

402830N1165630.1. Local number 30/45-18aa1. U. S. Bureau of Land Management. Dug stock water-table well in alluvium of Quaternary age, size 4 x 4 ft, reported depth 60 ft, cribbed with wood. Lsd 4,635 ft above msl. MP top of plank platform, at lsd. Highest water level 23.69 below lsd, Jan. 8, 1948; lowest 33.73 below lsd, Oct. 4, 1961. Records available: 1947-65. Oct. 4, 1961, 33.73; Sept. 20, 1962, 31.70; Sept. 18, 1963, 29.24; Sept. 20, 1964, 28.37; Sept. 16, 1965, 23.18.

Lincoln County

Meadow Valley

374910N1142310.1. Local number S1/68-33b1. Lafa Matthews Estate. Drilled irrigation well in alluvium of Quaternary age, diam 10 in, reported depth 120 ft, cased to 80, perforated 60-80. Lsd 4,784 ft above msl. MP hole in side of casing, 0.3 ft above lsd (since Sept. 19, 1959). Highest water level 30.32 below lsd, Apr. 25, 1946; lowest 40.50 below lsd, Sept. 19, 1959. Records available: 1946-55, 1957-60, 1962, 1964-65. No measurement made in 1961 or 1963. Feb. 21, 1962, 36.11; Feb. 24, 1964, 37.97; Nov. 13, 38.09; Feb. 21, 1965, 32.30; Nov. 17, 37.32.

374750N1142420.1. Local number S2/68-8b5. U. S. Geol. Survey. Drilled test and observation well in alluvium of Quaternary age, diam 8 in, depth 110 ft, cased to 110. Lsd about 5,000 ft above msl. MP top of recorder platform, 1.20 ft above lsd. Highest water level 10.72 below lsd, Mar. 20, 1950; lowest 22.82 below lsd, Aug. 29, 1964. Records available: 1949-59, 1961-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 6, 1961	14.60	July 23, 1961	20.35	Feb. 24, 1964	14.62	May 11, 1965	17.11
Mar. 7	14.10	Aug. 30	20.60	Aug. 29	22.82	Aug. 19	20.62
17	13.90	Feb. 24, 1962	14.54	Nov. 15	19.40	Nov. 17	17.38
May 31	16.10	Feb. 21, 1963	15.90	Feb. 21, 1965	16.36		

Pahrnagat Valley

373330N1151420.1. Local number S4/60-34a2. W. U. Schofield, Jr. Drilled unused well in alluvium of Quaternary age, diam 10 in, reported depth 96 ft, cased to 96, perforated 60-96. Lsd about 4,000 ft above msl. MP top of casing, 1.30 above lsd. Highest water level 58.12 below lsd, Aug. 8, 1946; lowest 72.73 below lsd, Feb. 22, 1965. Records available: 1946, 1948-60, 1962-65. No measurement made in 1961. Feb. 25, 1962, 62.90; Feb. 22, 1963, 63.60; Feb. 22, 1964, 72.38; Feb. 22, 1965, 72.73.

372500N1151040.1. Local number S6/61-1842. Gardner Chism. Drilled unused well in alluvium of Quaternary age, diam 6 in, depth 41 ft, cased. Lsd about 3,500 ft above msl. MP top of flange on casing, 1.70 ft above lsd. Highest water level 5.35 below lsd, Mar. 14, 1951; lowest 9.66 below lsd, Sept. 8, 1954. Records available: 1946-60, 1962-65. No measurement made in 1961. Feb. 25, 1962, 6.93; Feb. 22, 1963, 5.85; Feb. 25, 1964, 9.43; Feb. 22, 1965, 9.64.

371640N1150720.1. Local number S9/61-261. J. H. Hail. Drilled irrigation well in alluvium of Quaternary age, diam 10 in, depth 92 ft, sand-filled to 30. Lsd about 3,020 ft above msl. MP top edge of 1-in hole in pumpbase, 0.80 ft above lsd. Highest water level 19.37 below lsd, Mar. 21, 1950; lowest 26.98 below lsd, Mar. 24, 1955. Records available: 1946-60, 1962-63, 1965. No measurement made in 1961 or 1964. Feb. 25, 1962, 21.92; Feb. 22, 1963, 25.20; Feb. 22, 1965, 25.64.

Lyon County

Mason Valley

385110N190900.1. Local number 12/25-35dcl. John C. Baker. Drilled irrigation well in alluvium of Quaternary age, diam 16 in, reported depth 253 ft, cased to 242. Lsd about 4,500 ft above msl. MP top of slot in casing, 1.50 ft above lsd. Highest water level 3.39 below lsd, Aug. 18, 1958; lowest 18.25 below lsd, Feb. 28, 1962. Records available: 1953, 1957-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 14, 1961	14.62	Feb. 27, 1963	15.34	Mar. 19, 1964	13.55	Mar. 5, 1965	14.61
Feb. 28, 1962	18.25	Sept. 23	11.95	Sept. 18	13.10	Aug. 4	10.55
Sept. 11	14.66						

385930N1190940.1. Local number 13/25-14bcl. Yerington High School. Drilled irrigation well in alluvium of Quaternary age, diam 8 in, depth unknown, cased. Lsd about 4,880 ft above msl. MP top of casing, 1.20 ft below lsd. Highest water level 3.00 below lsd, Sept. 13, 1963; lowest 7.13 below lsd, Oct. 13, 1961. Records available: 1957-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 13, 1961	7.13	Feb. 27, 1963	3.31	Mar. 19, 1964	4.03	Mar. 5, 1965	3.98
Feb. 28, 1962	4.89	Sept. 13	3.00	Sept. 18	64.95	Aug. 5	3.08
Sept. 11	5.29						

b Well pumped recently.

390800N1190920.1. Local number 15/25-26c1. Mason Valley Ranch. Drilled unused well in alluvium of Quaternary age, diam 8 in, depth 49 ft, cased. Lsd about 4,304 ft above msl. MP top of casing, 2.60 ft above lsd. Highest water level 2.42 below lsd, Oct. 26, 1965; lowest 7.96 below lsd, Oct. 13, 1961. Records available: 1945, 1947-55, 1957-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 14, 1961	6.77	Sept. 11, 1962	7.39	Mar. 19, 1964	4.09	Mar. 5, 1965	4.65
Oct. 13	7.96	Feb. 27, 1963	6.14	Sept. 18	6.18	Oct. 26	2.42
Feb. 28, 1962	7.38	Sept. 23	5.65				

Smith Valley

385030N1192320.1. Local number 11/23-3dcl. R. B. Day. Drilled irrigation well in alluvium of Quaternary age, diam 12 in, depth 242 ft, cased to 164, perforated 0-164. Lsd 4,830 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 45.21 below lsd, June 17, 1957; lowest 64.92 below lsd, Sept. 11, 1962. Records available: 1948-57, 1959-60, 1962-65. No measurement made in 1961.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28, 1962	64.33	Sept. 24, 1963	59.76	Sept. 18, 1964	674.93	June 25, 1965	59.43
July 3	61.82	Dec. 13	56.66	Dec. 8	59.79	Sept. 15	54.40
Sept. 11	64.92	Mar. 16, 1964	57.38	Mar. 5, 1965	60.29	Dec. 8	54.25
Feb. 27, 1963	59.74						

c Nearby well being pumped.

384750N1191640.1. Local number 11/24-22dcl. Fred Fulstone. Dug unused water-table well in alluvium of Quaternary age, size 18 x 30 in, reported depth 130 ft (measured depth, 67.6 ft Mar 5, 1965, caved in), cribbed with concrete. Lsd 4,888.46 ft above msl. MP top of hole in floor of recorder platform, 1.40 ft above lsd. Highest water level 53.46 below lsd, Feb. 3, 1953; lowest dry, Sept. 18, 1964, Dec. 8; Mar. 5, 1965, June 25. Records available: 1948-61, 1963-65. No measurement made in 1962. Recorder removed Dec. 20, 1960. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 14, 1961	67.90	Dec. 13, 1963	69.17	Dec. 8, 1964	(f)	Sept. 15, 1965	67.50
Feb. 27, 1963	69.64	Mar. 16, 1964	67.52	Mar. 5, 1965	(f)	Dec. 8	65.20
Sept. 25	68.76	Sept. 18	(f)	June 25	(f)		

f Dry.

384610N1191900.1. Local number 11/24-32dcl. A. Nutti (previously reported A. Nutti). Drilled irrigation well in alluvium of Quaternary age, diam 16 in, reported depth 390 ft, cased. Lsd 4,865 ft above msl. MP top of 1-in plug opening, 0.40 ft above lsd (since Mar. 5, 1965). Highest water level 23.62 below lsd, Mar. 3, 1948; lowest 72.14 below lsd, Sept. 18, 1964. Records available: 1948-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 14, 1961	43.92	July 3, 1962	51.73	Dec. 13, 1963	45.53	Mar. 5, 1965	47.37
June 22	689.21	Sept. 11	58.38	Mar. 16, 1964	43.92	June 5	47.93
Oct. 14	65.59	Feb. 27, 1963	46.64	Sept. 18	72.14	Sept. 15	46.63
Feb. 28, 1962	51.53	Sept. 25	52.33	Dec. 8	52.00	Dec. 8	41.47

c Nearby well being pumped.

Mineral County

Lake Valley

383440N1183650.1. Local number 8/30-3dal. U. S. Naval Ammunition Depot. Drilled domestic and industrial well in alluvium of Quaternary age, diam 18 in, depth 852 ft, cased. Lsd 4,125 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 47.20 below lsd, Dec. 9, 1954; lowest 51.35 below lsd, Sept. 21, 1964. Records available: 1954, 1957-60, 1962-65. No measurement made in 1961. Sept. 14, 1962, 50.37; Sept. 25, 1963, 50.74; Sept. 21, 1964, 51.35; Sept. 27, 1965, 117.86 (well being pumped).

383310N1184010.1. Local number 8/30-18aad1. U. S. Naval Ammunition Depot. Drilled irrigation well in alluvium of Quaternary age, diam 18 in, depth 345 ft, cased. Lsd about 4,140 ft above msl. MP top of measuring pipe, 1.00 ft above lsd. Highest water level 199.9 below lsd, Nov. 21, 1952; lowest 102.67 below lsd, Sept. 27, 1965. Records available: 1952, 1957-60, 1962-65. No measurement made in 1961. Sept. 14, 1962, 101.81; Sept. 25, 1963, 102.13; Sept. 21, 1964, 102.67; Sept. 27, 1965, 102.45.

383150N1183800.1. Local number 8/30-21ddb1. U. S. Naval Ammunition Depot. Drilled domestic and irrigation well in alluvium of Quaternary age, diam 18 in, depth 394 ft, cased. Lsd 4,262 ft above msl. MP top of casing cover, 1.20 ft above lsd. Highest water level 199.9 below lsd, Nov. 21, 1952; lowest 214.12 below lsd, Sept. 27, 1965. Records available: 1952, 1957-60, 1962-65. No measurement made in 1961. Sept. 14, 1962, 207.09; Sept. 25, 1963, 206.56; Sept. 21, 1964, 207.12; Sept. 27, 1965, 214.12.

383100N1183550.1. Local number 8/30-26ddal. U. S. Naval Ammunition Depot. Drilled industrial well in alluvium of Quaternary age, diam 18 in, depth 423 ft, cased. Lsd 4,341 ft above msl. MP top of hole in pumpbase, 1.22 ft above lsd (since Sept. 14, 1962). Highest water level 246.50 below lsd, Nov. 21, 1952; lowest 257.45 below lsd, Sept. 21, 1964. Records available: 1952, 1957-60, 1962-65. No measurement made in 1961. Sept. 14, 1962, 251.31; Sept. 25, 1963, 251.90 (well pumped recently); Sept. 21, 1964, 257.45; Sept. 27, 1965, 252.32.

383100N1183300.1. Local number 8/31-32bab1. U. S. Naval Ammunition Depot. Drilled industrial well in alluvium of Quaternary age, diam 18 in, depth 452 ft, cased. Lsd 4,374 ft above msl. MP top of measuring pipe, 0.20 ft above lsd. Highest water level 242.60 below lsd, Nov. 21, 1952; lowest 244.93 below lsd, Sept. 25, 1963. Records available: 1952, 1957-58, 1960, 1962-65. No measurement made in 1961. Sept. 14, 1962, 244.63; Sept. 25, 1963, 244.93; Sept. 21, 1964, 244.90; Sept. 27, 1965, 244.88.

Soda Spring Valley

383120N1181210.1. Local number 8/34-28c1. Basic Magnesium Plant. Drilled unused well in alluvium of Quaternary age, diam 8 in, depth unknown, cased. Lsd about 4,550 ft above msl. MP lower edge of hole in east side of casing, 0.30 ft above lsd. Highest water level 136.77 below lsd, Feb. 1, 1960; lowest 137.72 below lsd, Mar. 20, 1950. Records available: 1949-60, 1962-65. No measurement made in 1961. Sept. 13, 1962, 137.02; Sept. 24, 1963, 136.93; Sept. 19, 1964, 136.85; Sept. 28, 1965, 137.06.

Whiskey Flat

382020N1183100.1. Local number 6/31-33b2. W. F. Merchant. Drilled unused well in alluvium of Quaternary age, diam 8 in, depth 69 ft, cased. Lsd about 5,700 ft above msl. MP top of casing, at lsd. Highest water level 42.23 below lsd, Sept. 19 1950; lowest 46.12 below lsd, Sept. 14, 1962. Records available: 1948-51, 1957-58, 1962-65. No measurement made in 1961. Measurement discontinued. Sept. 14, 1962, 46.12 (estimated from nearby well); Sept. 25, 1963, 46.37 (estimated from nearby well); Sept. 20, 1964, 46.36 (estimated from nearby well); Sept. 27, 1965, 46.57 (estimated from nearby well).

Nye County

Amargosa Desert

363310N1162940.1. Local number S16/49-18dcl. U. S. Bureau of Land Management. Drilled observation well in alluvium of Quaternary age, diam 12 in, depth 348 ft, cased. Lsd 2,375.1 ft above msl. MP top of casing collar, at lsd. Highest water level 103.10 below lsd, Feb. 12, 1955; lowest 107.61 below lsd, Feb. 24, 1963. Records available: 1953, 1955-59, 1961, 1963, 1965. No measurement made in 1962 or 1964. Mar. 7, 1961, 104.40; Feb. 24, 1963, 107.61; Feb. 15, 1965, 107.04.

363120N1163000.1. Local number S16/49-31bal. Gordon Bettles. Drilled unused well in alluvium of Quaternary age, diam 16 in, depth 162 ft, cased. Lsd 2,326.33 ft above msl. MP top of casing, at lsd. Highest water level 66.10 below lsd, May 7, 1952; lowest 70.37 below lsd, Feb. 18, 1964. Records available: 1952-59, 1961, 1963-65. No measurement made in 1962. Mar. 7, 1961, 68.03; Feb. 24, 1963, 69.78; Feb. 18, 1964, 70.37; Feb. 15, 1965, 70.21.

Big Smoky Valley

385450N1170920.1. Local number 12/43-9cal. Carl Haas. Drilled unused well in alluvium of Quaternary age, diam 12 in, depth 190 ft, cased. Lsd about 5,580 ft above msl. MP top of casing, 0.40 ft above lsd (since Mar. 22, 1965). Highest water level 22.72 below lsd, Sept. 3, 1957; lowest 48.70 below lsd, Mar. 22, 1965. Records available: 1957-63, 1965. No measurement made in 1964. Mar. 9, 1961, 37.34; Sept. 18, 34.32; Mar. 21, 1962, 37.77; Oct. 12, 26.02; Mar. 26, 1963, 32.89; Mar. 22, 1965, 48.70; Sept. 16, 48.34.

390920N1170330.1. Local number 15/44-20bal. A. B. Robertson. Drilled unused well in alluvium of Quaternary age, diam 6 in, depth 57 ft, cased. Lsd about 5,550 ft above msl. MP top of casing, 0.60 ft above lsd. Highest water level 24.92 below lsd, Sept. 3, 1957; lowest 43.52 below lsd, Oct. 12, 1962. Records available: 1957-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 9, 1961	40.86	Oct. 12, 1962	43.52	Sept. 10, 1963	35.33	Mar. 22, 1965	35.02
Sept. 19	35.81	Mar. 26, 1963	36.81	Mar. 27, 1964	37.14	Sept. 16	26.18
Mar. 21, 1962	38.14						

Pahrump Valley

[See also Clark County]

361700N1160000.1. Local number S19/53-22acd1. Stavers (State Engineer No. 31). Drilled domestic and irrigation well in alluvium of Quaternary age, diam 16 in, reported depth 540 ft, cased to 280, perforated 112-124, cemented at 280. Lsd about 2,760 ft above msl. MP top of pumpbase, at lsd. Highest water level 41.27 below lsd, Apr. 11, 1947; lowest 78.5 below lsd, August 1959. Records available: 1947-60, 1962. No measurement made in 1961 or 1963-65. Measurement taken from hydrograph; estimated to nearest 0.5 ft. Feb. 4, 1962, 78.00; Mar. 3, 77.10; Apr. 14, 76.81; May 18, 77.16.

361210N115590.1. Local number S20/53-14dec3. Williams and Crews (replaces S20/53-24 caal). Drilled irrigation artesian well in alluvium of Quaternary age, diam 16 in, depth 460 ft, cased. Lsd 2,679.11 ft above msl. MP top of casing, 0.3 ft above lsd. Highest water level 4.05 above lsd, Mar. 6, 1945; lowest 38.82 below lsd, Feb. 16, 1965. Records available: 1945, 1959, 1962, 1965. Mar. 6, 1945, +4.05; Mar. 6, 1959, -14.22; Feb. 5, 1962, -27.72; Feb. 16, 1965, -38.82.

Ralston Valley

381500N1170420.1. Local number 5/44-32bb1. Owner unknown. Dug unused water-table well in alluvium of Quaternary age, diam unknown, depth 18 ft, cribbed with wood. Lsd about 5,800 ft above msl. MP top south side of cribbing, at lsd. Highest water level 11.85 below lsd, Mar. 23, 1956; lowest 12.85 below lsd, Sept. 11, 1951. Records available: 1949-60, 1962-65. No measurement made in 1961. June 18, 1962, 12.02; Mar. 20, 1963, 12.20; Sept. 13, 12.78; Mar. 27, 1964 12.25; Sept. 17, 12.83; Mar. 22, 1965, 12.18; Sept. 14, 12.66.

Ormsby County

Eagle Valley

390950N1194550.1. Local number 15/20-17 c1. State Children's Home. Drilled irrigation well in alluvium of Quaternary age, diam 18 to 12 to 10 in, depth 595 ft, cased to 595. Lsd about 4,650 ft above msl. MP concrete floor of pumphouse, 0.60 ft above lsd. Highest water level 1.84 below lsd, May 13, 1952; lowest 23.80 below lsd, Sept. 17, 1964. Records available: 1946, 1948-56, 1959-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 16, 1961	10.50	Sept. 10, 1962	17.35	Mar. 20, 1964	8.64	Mar. 9, 1965	6.86
Oct. 12	18.02	Sept. 13, 1963	15.43	Sept. 17	23.80	Sept. 30	11.03

Pershing County

Buena Vista Valley

402640N1180150.2. Local number 30/35-27b2. Neill Talcott. (Replaces 30/35-27b1). Drilled irrigation well in alluvium of Quaternary age, diam 8 in, depth unknown, cased. Lsd about 4,240 ft above msl. MP top of casing, 1.0 ft above lsd. Highest water level 14.61 below lsd, Sept. 11, 1963; lowest 21.57 below lsd, Mar. 21, 1965. Records available: 1963-65, Sept. 11, 1963, 14.61; Mar. 15, 1964, 14.80; Sept. 14, 21.05; Mar. 21, 1965, 21.57; Sept. 20, 18.50.

Grass Valley

[See also Humboldt County]

404140N1174350.1. Local number 33/38-32b1 (replaces 33/37-24a1). U. S. Bureau of Land Management (Guthrie well). Drilled stock well in alluvium of Quaternary age, diam 6 in, depth 54 ft, cased. Lsd about 4,431 ft above msl. MP top of 4- x 4-in block on top of casing, 1.2 ft above lsd. Highest water level 28.17 below lsd, Aug. 18, 1945; lowest 35.65 below lsd, Sept. 15, 1964. Records available: 1946-56, 1961-65. Mar. 17, 1955 measurement not previously published.

Mar. 17, 1955	29.53	Sept. 27, 1956	30.70	Oct. 24, 1962	32.87	Mar. 22, 1965	33.47
Sept. 21	30.52	Mar. 23, 1961	31.24	Sept. 13, 1963	33.54	Sept. 21	33.70
Mar. 21, 1956	30.52	Oct. 31	30.07	Sept. 15, 1964	35.65		

a Well being pumped.

404940N1174750.1. Local number 34/37-22a1. J. Ballard. Drilled unused well in alluvium of Quaternary age, diam 6 in, depth 50 ft, cased. Lsd 4,329 ft above msl. MP top of casing, at lsd. Highest water level 9.31 below lsd, Mar. 21, 1956; lowest 12.97 below lsd, Sept. 20, 1951. Records available: 1946-62, 1964-65. No measurement made in 1963. Oct. 3, 1961, 11.93; Oct. 24, 1962, 12.71; Mar. 15, 1964, 11.10; Sept. 15, 12.85; Mar. 22, 1965, 11.64; Sept. 21, 12.40.

Humboldt River Valley

[See also Elko, Humboldt, and Lander Counties]

403620N1181530.1. Local number 32/33-28d1. Cliff and Cecil Campbell. Humboldt. Drilled irrigation well in alluvium of Quaternary age, diam 14 in, reported depth 288 ft, cased 0-236. Lsd about 4,150 ft above msl. MP end of discharge pipe, 8.10 ft above lsd. Highest water level 34.37 below lsd, Apr. 26, 1950; lowest 43.97 below lsd, Mar. 20, 1964. Records available: 1950-54, 1956-60, 1963-65. No measurement made in 1961-62. Sept. 11, 1963, 39.79; Mar. 20, 1964, 43.97; Sept. 14, 39.36; Mar. 21, 1965, 39.26; Sept. 20, 38.70.

Washoe County

Truckee Meadows

392620N1194740.1. Local number 18/19-12db2. Paul Christman. Drilled unused artesian well in alluvium of Quaternary age, diam 14 in, depth 376 ft, cased to 299. Lsd about 4,575 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 16.17 below lsd, Aug. 31, 1956; lowest 48.17 below lsd, Apr. 23, 1952. Records available: 1950-65.

Jan. 30, 1961	20.44	Mar. 28, 1962	22.63	Mar. 27, 1963	23.10	Mar. 17, 1964	23.63
Feb. 27	20.90	May 9	22.88	Apr. 29	23.95	Apr. 28	24.16
Mar. 31	21.76	June 1	21.56	May 27	23.10	May 26	22.88
May 1	21.05	28	20.61	June 26	21.75	July 2	21.57
22	19.93	July 27	20.19	July 26	24.21	Aug. 7	21.04
June 23	19.07	Aug. 28	19.70	Sept. 3	20.80	26	20.58
July 20	18.98	Oct. 1	18.92	25	20.50	Sept. 16	20.48
Aug. 21	19.03	Nov. 1	19.57	Nov. 6	20.44	28	20.28
Oct. 31	20.84	27	20.72	26	21.10	Oct. 27	19.66
Dec. 3	21.71	Dec. 21	21.54	Dec. 26	21.78	Nov. 28	20.08
Jan. 19, 1962	22.94	Jan. 29, 1963	22.65	Jan. 22, 1964	22.52	Jan. 6, 1965	20.86
Mar. 1	22.05	Feb. 21	22.25	Feb. 25	23.30	Feb. 1	20.80

392620N1194740.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24, 1965	21.60	June 1, 1965	22.34	Sept. 2, 1965	20.12	Oct. 28, 1965	19.95
Mar. 31	22.53	29	21.48	29	23.04	Dec. 27	20.73
Apr. 29	23.43	Aug. 2	20.85				

392930N1195010.1. Local number 19/19-22cd1. John Belford. Drilled domestic well (aquifer unknown), diam 6 in, depth 264 ft, cased. Lsd 4,759 ft above msl. MP top of casing, at lsd. Highest water level 217.10 below lsd, Jan. 3, 1951; lowest 227.80 below lsd, Oct. 20, 1964. Records available: 1951, 1960-61, 1963-65. Jan. 30, 1951, 217.10; Mar. 29, 1960, 225.57; Mar. 15, 1961, 225.54; Feb. 28, 1963, 226.03; Mar. 27, 1964, 227.14; Oct. 20, 227.80; Mar. 4, 1965, 226.80.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1961	30.85	Feb. 28, 1963	33.95	Mar. 17, 1964	31.45	Mar. 4, 1965	32.77
Mar. 1, 1962	33.01	Sept. 12	30.65	Sept. 16	31.28	Sept. 29	34.05

392900N1194710.1. Local number 19/20-30bc2. Edward Peckham. Drilled domestic (previously reported unused) well in alluvium of Quaternary age, diam 12 in, depth 120 ft, cased to 120. Lsd about 4,440 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 23.42 below lsd, Sept. 28, 1948; lowest 41.46 below lsd, Mar. 25, 1964. Records available: 1948, 1956-65. Mar. 15, 1961, 28.41; Oct. 11, 27.01; Mar. 1, 1962, 29.99; Sept. 12, 1963, 30.19; Mar. 25, 1964, 41.46; Oct. 20, 37.14; Sept. 29, 1965, 40.70.

White Pine County

Lake Valley

384030N1143730.1. Local number 10/65-36d2. Geyser Ranch. Drilled irrigation well in alluvium of Quaternary age, diam 10 in, depth 58 ft, cased. Lsd about 6,000 ft above msl. MP top of casing, 1.5 ft above lsd. Highest water level 24.42 below lsd, Apr. 16, 1947; lowest 27.87 below lsd, Nov. 15, 1964. Records available: 1947, 1958, 1960, 1963-65.

Apr. 16, 1947	24.42	Dec. 7, 1960	26.80	Feb. 24, 1964	26.38	Feb. 21, 1965	e27.02
Apr. 16, 1958	25.08	Feb. 21, 1963	26.66	Nov. 15	e27.87	Nov. 17	27.59
Oct. 1	24.82	July 17	26.07				

e Estimated by measurement of nearby well.

Newark Valley

392800N1154930.1. Local number 18/55-31cl. Owner unknown. Dug stock water-table well in alluvium of Quaternary age, diam 36 in, depth 43 ft, cased with concrete. Lsd about 5,930 ft above msl. MP top of concrete curb, 1.00 ft above lsd. Highest water level 33.19 below lsd, Sept. 15, 1954, Sept. 15, 1955; lowest 43.96 below lsd, Sept. 11, 1963. Records available: 1946-59, 1961-65.

Mar. 11, 1961	33.79	Oct. 12, 1962	34.05	Mar. 26, 1964	35.85	Mar. 23, 1965	35.05
Sept. 22	33.86	Mar. 25, 1963	34.02	Nov. 12	35.05	Sept. 16	34.53
Mar. 24, 1962	33.93	Sept. 11	43.96				

392850N1154210.1. Local number 19/56-30d2. Don Eldridge. Dug stock water-table well in alluvium of Quaternary age, diam 42 in, depth 37 ft, cribbed with concrete. Lsd 5,900 ft above msl. MP top of concrete curb, 1.50 ft above lsd. Highest water level 27.92 below lsd, Oct. 12, 1962; lowest 35.41 below lsd, Sept. 22, 1961. Records available: 1948-65.

Mar. 11, 1961	34.62	Oct. 12, 1962	27.92	Mar. 27, 1964	35.14	Mar. 23, 1965	32.30
Sept. 22	35.41	Mar. 25, 1963	32.88	Nov. 12	a39.01	Sept. 16	31.94
Mar. 24, 1962	32.76						

a Well being pumped.

393650N1154540.1. Local number 20/55-10d1. U. S. Bureau of Land Management. Dug stock water-table well in alluvium of Quaternary age, diam 36 in, depth 22 ft, cased with concrete. Lsd 5,871 ft above msl. MP top of plank well cover, 1.00 ft above lsd. Highest water level 8.08 below lsd, Mar. 24, 1949; lowest 10.18 below lsd, Sept. 22, 1961. Records available: 1948-59, 1961-64. No measurement made in 1965. Mar. 11, 1961, 9.74; Sept. 22, 10.18; Mar. 24, 1962, 9.72; Mar. 25, 1963, 9.20; Sept. 11, 9.65; Mar. 27, 1964, 9.46; Nov. 12, 8.20.

394260N1154610.1. Local number 21/55-10cl. R. W. Hooper. Dug domestic water-table well in alluvium of Quaternary age, size 5 x 5 ft, depth 34 ft, cribbed with wood. Lsd 5,950 ft above msl. MP top of wood cribbing, 3.50 ft above lsd. Highest water level 10.67 below lsd, Mar. 26, 1956; lowest 20.80 ft below lsd, Oct. 12, 1962. Records available: 1947-59, 1961-65.

Mar. 11, 1961	17.24	Oct. 12, 1962	20.80	Mar. 27, 1964	18.47	Mar. 23, 1965	b13.82
Sept. 22	19.13	Mar. 25, 1963	15.00	Nov. 12	17.51	Sept. 16	13.23
Mar. 24, 1962	11.76	Sept. 11	19.07				

b Well pumped recently.

Spring Valley

390000N1142820.1. Local number 13/67-8d1. A. Schaurman. Dug stock water-table well in alluvium of Quaternary age, diam 36 in, reported depth 45 ft, cased. Lsd about 5,800 ft above msl. MP top of concrete curb, 2.50 ft above lsd. Highest water level 11.60 below lsd, Mar. 4, 1953; lowest 15.11 below lsd, Sept. 10, 1952. Records available: 1947-57, 1959-65.

Mar. 10, 1961	12.85	Oct. 13, 1962	14.34	Mar. 25, 1964	13.34	Mar. 24, 1965	12.89
Sept. 23	b18.60	Mar. 23, 1963	13.10	Nov. 11	14.09	Sept. 15	12.51
Mar. 23, 1962	b14.5	Sept. 12	14.46				

b Well pumped recently.

390940N1143020.1. Local number 15/66-13d1. J. P. Johanson. Drilled domestic well in alluvium of Quaternary age, diam 6 in, depth 82 ft, cased. Lsd about 5,760 ft above msl. MP lowest point of break on east side of pumphouse, 1.00 ft above lsd. Highest water level 13.68 below lsd, Sept. 10, 1952; lowest 23.81 below lsd, Mar. 10, 1961. Records available: 1947, 1949-57, 1959-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 10, 1961	23.81	Oct. 13, 1962	21.31	Mar. 25, 1964	19.90	Mar. 25, 1965	20.25
Sept. 20	21.20	Mar. 23, 1963	20.69	Nov. 11	19.65	Sept. 15	14.39
Mar. 23, 1962	22.43	Sept. 12	17.26				

392140N1142150.1. Local number 17/68-6d1. U. S. Bureau of Land Management. Dug stock water-table well in alluvium of Quaternary age, diam 4 ft, depth 28 ft, cribbed with concrete. Lsd about 5,600 ft above msl. MP top of concrete curb, 2.50 ft above lsd. Highest water level 21.69 below lsd, Mar. 18, 1950; lowest 31.06 below lsd, Mar. 25, 1964. Records available: 1948-55, 1957, 1959-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 10, 1961	25.28	Oct. 13, 1962	28.48	Mar. 25, 1964	31.06	Mar. 25, 1965	29.08
Sept. 23	27.74	Mar. 23, 1963	30.16	Nov. 11	29.17	Sept. 15	28.63
Mar. 22, 1962	25.75	Sept. 12	28.62				

Steptoe Valley

391100N1144920.1. Local number 15/64-7a1. Lloyd Sorenson. Drilled irrigation well in alluvium of Quaternary age, diam 16 in, reported depth 200 ft, cased. Lsd about 6,500 ft above msl. MP top of casing, 1.00 ft above lsd (since Oct. 13, 1962). Highest water level 32.70 below lsd, Mar. 4, 1953; lowest 41.83 below lsd, Mar. 10, 1961. Records available: 1948-57, 1959, 1961-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 10, 1961	41.83	Mar. 24, 1963	41.27	Mar. 26, 1964	37.15	Mar. 24, 1965	39.78
Sept. 23	40.85	Sept. 12	36.78	Nov. 11	37.92	Sept. 15	36.91
Oct. 13, 1962	38.84						

391700N1145010.1. Local number 16/63-1b1. Owner unknown. Drilled unused well in alluvium of Quaternary age, diam 6 in, depth unknown, cased. Lsd about 6,250 ft above msl. MP top of cap on casing, 0.90 ft above lsd. Highest water level 59.10 below lsd, Mar. 10, 1954; lowest 75.54 below lsd, Mar. 25, 1964. Records available: 1949-57, 1959-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 10, 1961	72.54	Oct. 13, 1962	74.02	Mar. 25, 1964	75.54	Mar. 24, 1965	72.37
Sept. 23	73.74	Mar. 24, 1963	74.75	Nov. 11	73.23	Sept. 15	73.31
Mar. 23, 1962	73.47	Sept. 11	73.54				

393150N1144930.1. Local number 19/63-12a1. U. S. Geol. Survey. Drilled test well in sand and gravel in alluvium of Quaternary age, diam 12 to 8 in, depth 915 ft, cased, 12-in 0-181, 8-in 0-540. Lsd 6,064 ft above msl. MP top of concrete curb, 1.60 above lsd. Highest water level 9.6 below lsd, 1918; lowest 21.20 below lsd, July 5, 1949. Records available: 1918, 1949-57, 1959, 1961-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 9, 1961	15.30	Oct. 13, 1962	16.32	Mar. 26, 1964	15.48	Mar. 24, 1965	15.99
Sept. 23	15.59	Mar. 24, 1963	15.72	Nov. 11	15.46	Sept. 15	15.79
Mar. 23, 1962	15.44	Sept. 11	15.94				

393310N1144750.1. Local number 20/64-32c2. U. S. Geol. Survey. Drilled test well in alluvium of Quaternary age, diam 10 in, depth 110 ft, cased. Lsd about 6,070 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 12.67 below lsd, Dec. 20, 1965; lowest 17.87 below lsd, Dec. 17, 1964. Records available: 1918, 1949-57, 1959, 1961-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 10, 1961	13.68	Oct. 31, 1964	15.00	Mar. 22, 1965	14.04	Aug. 25, 1965	14.43
Sept. 23	14.68	Nov. 11	16.91	Apr. 26	13.92	Sept. 29	14.33
Oct. 13, 1962	14.62	30	14.90	May 20	13.83	Oct. 21	14.19
Mar. 24, 1963	14.93	Dec. 17	17.87	June 21	13.92	Nov. 22	14.50
Sept. 11	15.09	Jan. 26, 1965	14.36	July 20	14.26	Dec. 20	12.67
Mar. 26, 1964	14.75	Feb. 23	14.18				

White River Valley

384640N1150450.1. Local number 11/61-35a1. Public domain. Drilled stock well in alluvium of Quaternary age, diam 6 in, depth unknown, cased. Lsd about 5,400 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 10.49 below lsd, Sept. 18, 1953; lowest 13.66 below lsd, Oct. 13, 1962. Records available: 1947-57, 1959, 1961-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 10, 1961	11.98	Oct. 13, 1962	13.66	Sept. 12, 1963	b12.99	Mar. 24, 1965	12.12
Sept. 23	13.19	Mar. 24, 1963	b12.27	Mar. 25, 1964	12.45	Sept. 16	11.96
Mar. 22, 1962	11.37						

b Well pumped recently.

385150N1150550.1. Local number 12/61-34a1. U. S. Bureau of Land Management. Drilled stock well in alluvium of Quaternary age, diam 7 in, depth 72 ft, cased. Lsd about 5,500 ft above msl. MP top of casing collar, 1.50 ft above lsd. Highest water level 57.65 below lsd, Dec. 15, 1949; lowest 63.78 below lsd, Mar. 24, 1965. Records available: 1947-57, 1959-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 10, 1961	61.82	Oct. 12, 1962	62.73	Sept. 12, 1963	63.18	Mar. 24, 1965	63.78
Sept. 23	62.29	Mar. 24, 1963	62.77	Mar. 25, 1964	63.22	Sept. 16	63.40
Mar. 22, 1962	62.30						

385400N1150240.1. Local number 12/62-18d1. U. S. Geol. Survey. Drilled test and observation well in alluvium of Quaternary age, diam 6 in, depth 108 ft, cased to 106. Lsd about 5,600 ft above msl. MP top of casing collar, 0.50 ft above lsd. Highest water level 43.56 below lsd, Sept. 9, 1952; lowest 51.70 below lsd, Sept. 16, 1965. Records available: 1947-53, 1955-57, 1959, 1961-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 10, 1961	48.11	Oct. 13, 1962	50.40	Sept. 12, 1963	50.82	Mar. 24, 1965	49.97
Mar. 22, 1962	48.78	Mar. 24, 1963	49.24	Mar. 25, 1964	49.60	Sept. 16	51.70

385150N1150030.1. Local number 12/62-33a5. Wayne Gardner. Lund. Dug domestic water-table well in alluvium of Quaternary age, size 4 x 4 ft, depth 31 ft, cased with concrete. Lsd 5,578.46 ft above msl. MP top edge of south side of iron manhole, 0.50 ft above lsd. Highest water level 17.56 below lsd, Dec. 20, 1959; lowest 25.44 below lsd, Mar. 15, 1950. Records available: 1947-57, 1959-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 10, 1961	19.71	Oct. 13, 1962	24.50	Sept. 12, 1963	24.75	Mar. 25, 1965	20.73
Sept. 23	22.29	Mar. 24, 1963	20.10	Mar. 25, 1964	21.24	Sept. 16	20.69
Mar. 22, 1962	23.16						

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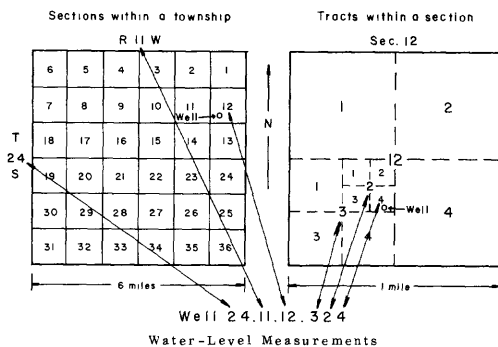
NEW MEXICO

The observation-well program, which has been in progress in New Mexico since 1925, was continued during 1961 through 1965 in cooperation with the State Engineer of New Mexico. The entire observation-well program is much more extensive than indicated by wells covered in this report. Other data were published annually by the State Engineer in the Technical Report Series until 1961, and in the Basic Data report beginning in 1961. Figure 6 shows the areas in New Mexico where water levels are observed. Selected wells located in each of these areas are included in this report.

Well-Numbering System

All wells referred to in this report are identified by a location number used by the Geological Survey and the State Engineer for numbering water wells in New Mexico. The location number is a description of the geographic location of the well, based on the system of public land surveys. It indicates the location of the well to the nearest 10-acre tract when the well can be located that accurately. The location number consists of a series of numbers corresponding to the township, range, section, and tract within a section, in that order, as illustrated below. If a well has not been located closely enough to be placed within a particular tract smaller than 160 acres within a section, a zero is used for that part of the number.

A modification of this system has been used for wells on grant land in Sunshine Valley in Taos County where land was sectionized according to a system used in Colorado and extended into New Mexico. Within the Sangre de Cristo Grant, townships south of the State line have been designated T. 1 S., and T. 2 S., whereas townships north of the State line are designated T. 1 N., etc. The latitude and longitude, to the nearest 5 seconds, is also given for each well in this report.



All measurements of water levels are given in feet above or below land-surface datum, which approximates the land-surface at the well.

Bernalillo County

Albuquerque Area

345730N1064310.1. Local number 9.2E.34.322. Denison Farm. Drilled irrigation water-table well in Santa Fe Group of middle(?) Miocene to Pleistocene(?) age, diam 12 in, depth unknown, cased to 12. Lsd 4,910 ft above msl. MP top of casing, 1.38 ft above lsd (since October 1959). Highest water level 12.47 below lsd, July 8, 1957; lowest 15.08 below lsd, Jan. 24, 1957. Records available: 1956-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1961	13.56	Jan. 31, 1962	13.62	Oct. 15, 1962	13.32	Jan. 22, 1964	14.42
Mar. 11	13.65	Mar. 21	13.68	Jan. 3, 1963	13.71	Aug. 31	13.99
July 7	12.92	July 17	13.22	Aug. 28	13.98	Sept. 27, 1965	12.95
Oct. 5	13.31						

350655N1063950.2. Local number 10.2E.12.223. City of Albuquerque. Drilled observation water-table well in alluvium and Santa Fe Group of middle(?) Miocene to Pleistocene(?) age, diam 6 in, depth 950 ft. MP top north side of casing, 6.00 ft above lsd. Lsd 4,962 ft above msl. Highest water level 12.10 below lsd, Apr. 16, 1953; lowest 34.74 below lsd, Aug. 31, 1964. Records available: 1953, 1957-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1961	24.31	Jan. 30, 1962	30.90	Jan. 3, 1963	19.89	Aug. 31, 1964	34.74
Mar. 10	26.42	Mar. 21	28.38	Aug. 28	33.31	Feb. 12, 1965	28.45
July 6	29.39	July 17	34.00	Jan. 28, 1964	26.90	Sept. 27	30.21
Oct. 5	19.16	Oct. 16	32.28				

c Nearby well being pumped.

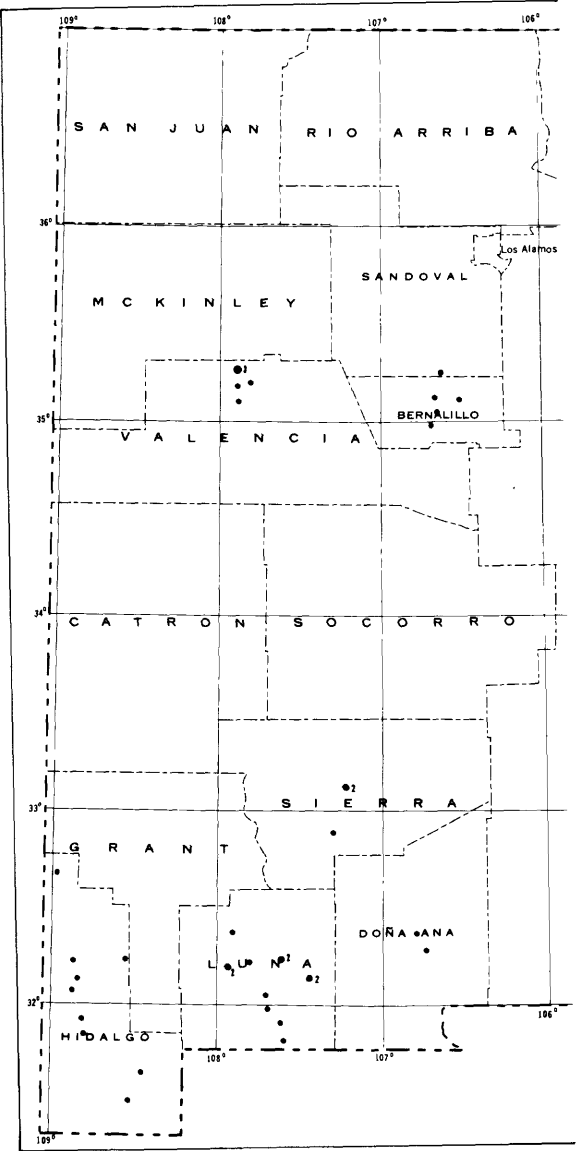
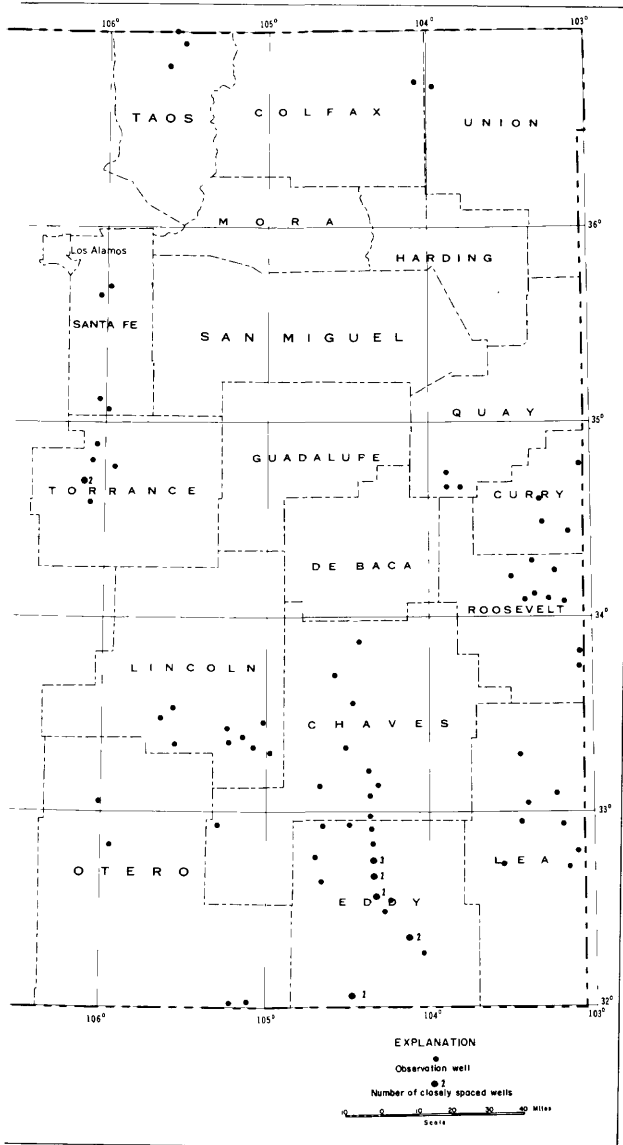


Figure 6.--Location of observation



wells in New Mexico, 1961-65.

350415N1064030.1. Local number 10.2E.24.413. City of Albuquerque. Drilled observation water-table well in alluvium and Santa Fe Group of middle(?) Miocene to Pleistocene(?) age, diam 6 in, depth unknown. Lsd 4,945 ft above msl. MP top east side of casing, 5.50 ft above lsd. Highest water level 20.69 below lsd, Nov. 13, 1956; lowest 22.51 below lsd, Oct. 7, 1961. Records available: 1956-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1961	21.95	Jan. 31, 1962	22.16	Jan. 3, 1963	21.89	Aug. 31, 1964	22.04
Mar. 10	22.02	Mar. 21	21.93	Aug. 28	22.32	Feb. 12, 1965	21.42
July 7	22.26	July 17	22.10	Jan. 28, 1964	22.21	Sept. 27	21.45
Oct. 7	22.51	Oct. 15	22.35				

350730N1063030.1. Local number 10.4E.3.242. B. G. Gutierrez. Drilled unused water-table well in Santa Fe Group of middle(?) Miocene to Pleistocene(?) age, diam 6 in, depth 320 ft, cased to 320. Lsd 5,850 ft above msl. MP top north side of steel pipe clamp, 1.50 ft above lsd. Highest water level 252.37 below lsd, Dec. 18, 1956; lowest 258.41 below lsd, July 7, 1961. Records available: 1956-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1961	256.86	Mar. 21, 1962	257.06	Jan. 3, 1963	256.61	Aug. 31, 1964	256.57
Mar. 10	257.03	July 18	256.97	Aug. 28	256.40	Feb. 26, 1965	256.86
July 7	258.41	Oct. 16	257.18	Jan. 22, 1964	256.31	Sept. 28	257.00
Jan. 30, 1962	257.15						

Chaves County

Roswell Basin

334645N1043445.1. Local number 7.23.23.244 (formerly 242). Jess Corn. Drilled irrigation artesian well in San Andres Limestone of Permian age, diam 14 in, depth 426 ft, cased to 426. Lsd 3,810 ft (previously reported 3,814) above msl. MP lower outer edge of mouth of discharge pipe, 3.71 ft above lsd. Highest water level 239.83 below lsd, May 26, 1951; lowest 280.13 below lsd, Sept. 4, 1963. Records available: 1951-60, 1962-65. No measurement made in 1961. Jan. 25, 1962, 233.69; Jan. 15, 1963, 266.76; Sept. 4, 280.13; Sept. 30, 272.07; Nov. 18, 271.84; Jan. 6, 1964, 270.79; Jan. 6, 1965, 275.88.

332715N1043123.1. Local number 10.24.3.333. Berrendo. Drilled observation artesian well in San Andres Limestone of Permian age, diam 10 in, depth 258 ft, cased to 258, depth to artesian aquifers 170, 241. Lsd 3,586.16 ft above msl. MP upper surface of recorder-shelter floor, 0.83 ft above lsd. Highest water level 11.29 below lsd, Dec. 19-20, 1926; lowest 67.67 below lsd, Aug. 24, 1964. Records available: 1926-64. Recording gage removed August 1964. No measurement made in 1965.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	40.32	39.08	38.83	46.83	45.52	47.59	48.99	52.73	53.72	50.25	47.73	45.05
10	40.10	38.88	39.52	45.92	44.85	49.03	49.13	53.44	52.34	49.73	47.12	44.69
15	39.92	38.73	40.21	45.05	46.77	50.36	49.31	52.87	52.29	49.37	46.65	44.38
20	39.72	38.59	40.98	46.32	47.13	50.19	49.93	51.68	53.05	49.06	46.18	44.10
25	39.46	38.56	42.93	45.13	49.08	50.06	52.06	53.27	51.30	48.92	45.92	43.79
Eom	39.22	38.62	46.09	45.73	47.12	49.49	52.94	53.05	51.90	48.23	45.41	43.63

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	43.33	42.22	43.40	50.17	48.84	53.75	54.65	53.46	57.43	51.64	49.08	47.15
10	43.18	42.36	e44.10	51.22	48.65	54.07	55.42	55.81	54.60	51.21	48.73	46.87
15	42.92	42.34	e44.65	50.77	50.33	52.90	55.36	55.95	53.55	50.99	48.38	46.55
20	42.63	42.43	45.06	50.48	51.34	53.83	54.82	56.53	54.05	50.54	48.06	46.35
25	42.40	42.87	46.13	51.80	53.53	53.30	54.82	57.36	52.96	50.00	47.78	46.07
Eom	42.23	43.44	45.70	50.45	54.79	55.57	53.67	58.77	52.13	49.43	47.47	45.92

1963

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	45.78	45.07	47.90	54.61	53.40	53.54	58.65	62.35	58.10	56.87	54.55	52.12
10	45.50	....	47.70	54.83	53.62	53.51	58.42	62.85	55.77	56.68	54.03	51.71
15	45.32	44.90	49.25	53.11	55.45	55.09	57.85	62.36	57.96	56.52	53.65	51.46
20	45.13	45.13	51.06	52.87	54.75	56.72	59.25	61.05	57.76	56.25	53.37	51.14
25	44.92	46.71	50.25	52.87	55.28	57.00	61.12	60.38	57.43	55.73	52.92	....
Eom	45.01	47.65	52.17	53.20	55.00	58.44	61.71	58.94	57.12	55.10	52.48	50.60

1964

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	50.43	49.50	50.20	55.33	57.55	60.53	62.12	66.13	.....	.....	.....	.....
10	50.17	49.39	50.69	56.50	57.91	60.66	64.21	65.00	.....	.....	.....	.....
15	50.17	49.68	51.63	57.25	57.88	60.32	64.40	66.33	.....	.....	.....	.....
20	49.89	49.78	52.98	56.43	58.20	59.96	63.93	66.63	.....	.....	.....	.....
25	50.08	49.55	55.12	57.30	58.62	60.72	e64.00	67.09	.....	.....	.....	.....
Eom	49.95	49.83	55.00	57.38	59.43	62.10	.....	.....	.....	.....	.....	.....

e Estimated.

331915N1042750.1. Local number 11.25.29.444. G. C. Wheeler. Drilled unused water-table well in valley fill, diam 6 in, depth 30 ft, cased to 30. Lsd 3,520 ft above msl. MP top of casing, 0.92 ft above lsd. Highest water level 3.14 below lsd, Mar. 15, 1942; lowest 15.49 below lsd, Nov. 3, 1945. Records available: 1937-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1961	9.64	Jan. 8, 1962	11.10	Jan. 11, 1963	11.53	Sept. 15, 1964	15.27
Apr. 17	11.46	Apr. 17	12.84	Sept. 4	11.30	Jan. 7, 1965	12.29
July 13	12.56	June 14	11.07	Jan. 6, 1964	10.95	Sept. 15	9.60
Sept. 21	11.65	Sept. 11	9.03				

332200N1042700.1. Local number 12.25.9.422. Cumberland townsite. Drilled unused water-table well in valley fill, diam 10 in, reported depth 90 ft, cased to 90. Lsd 3,564 ft above msl. MP top of 1-in pipe collar, 0.62 ft above lsd. Highest water level 38.64 below lsd, Oct. 16, 1941; lowest 77.88 below lsd, Sept. 15, 1965. Records available: 1937-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1961	67.82	Jan. 15, 1962	69.62	Jan. 7, 1963	71.06	Sept. 15, 1964	76.80
Apr. 17	67.93	Apr. 17	69.88	Sept. 4	75.70	Jan. 7, 1965	75.01
July 13	70.62	June 14	73.45	Jan. 6, 1964	73.05	Sept. 15	77.88
Sept. 21	72.50	Sept. 11	74.04				

331524N1042451.1. Local number 12.25.23.113. Orchard Park. Drilled unused artesian well in San Andres Limestone of Permian age, diam 8 in, depth 810 ft, depth to artesian aquifers 600-790, cased to 645. Lsd 3,546.19 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 1.74 below lsd, Jan. 15, 1942; lowest 162.80 below lsd, Aug. 7-8 1963. Records available: 1925-65. Recorder removed August, 1964; reinstalled January 1965.

Highest water level for the day, from recorder graph, 1961											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
5	21.52	18.97	32.77	109.21	90.85	107.50	116.55	123.60	110.70	90.10	44.62
10	20.87	18.23	47.03	95.13	77.12	118.92	116.85	135.55	111.25	69.30	40.97
15	20.78	19.84	65.32	100.00	70.45	100.38	122.32	134.35	112.32	60.18	35.86
20	19.91	21.35	68.03	90.35	89.34	87.50	127.80	115.45	111.05	61.03	35.78
25	19.82	22.85	94.95	85.10	101.15	82.55	126.12	116.43	102.19	53.97	32.30
Eom	18.92	23.57	109.93	86.85	106.98	100.58	121.33	110.38	102.69	49.58	30.74
1962											
5	27.08	27.00	60.70	116.73	82.40	117.59	123.50	82.82	122.67	73.72	42.38
10	26.17	31.99	75.27	114.70	86.95	115.00	121.33	114.15	99.71	71.31	39.74
15	23.98	36.83	77.12	110.60	95.27	110.11	111.55	130.46	100.99	63.77	38.14
20	23.47	42.09	89.35	107.20	98.02	109.53	107.46	132.87	103.34	59.61	36.73
25	23.33	50.63	101.45	103.13	111.52	114.00	102.40	139.83	94.85	50.34	35.22
Eom	23.73	57.42	115.22	87.62	123.22	122.25	90.30	139.30	71.45	46.50	35.28
1963											
5	28.55	39.60	69.82	128.71	88.75	105.60	141.20	144.80	104.28	107.40	61.98
10	29.97	43.58	71.15	126.31	96.30	102.82	138.68	152.99	105.43	101.69	59.28
15	26.27	43.10	88.37	114.64	112.24	114.70	133.29	147.00	115.75	94.53	58.83
20	27.53	49.91	101.70	116.60	110.70	124.51	141.76	139.80	124.88	81.60	54.15
25	29.05	54.77	114.63	108.68	115.25	129.68	144.30	132.78	126.20	76.36	53.11
Eom	35.70	67.38	121.59	112.50	121.25	138.45	147.80	113.40	118.33	71.30	51.40
1964											
5	39.17	38.88	76.30	111.11	107.10	128.60	.....	.....	.....	.....	.....
10	37.10	42.20	79.77	115.05	103.32	138.12	.....	.....	.....	.....	.....
15	36.88	51.39	83.08	109.88	97.45	.....	.....	.....	.....	.....	.....
20	38.70	51.50	102.98	103.86	101.48	.....	.....	.....	.....	.....	.....
25	41.60	53.05	108.08	111.80	103.78	.....	.....	.....	.....	.....	.....
Eom	47.80	66.05	112.38	111.30	112.90	.....	.....	.....	.....	.....	.....
1965											
5	34.00	37.35	49.45	e111.10	108.40	129.90	138.30	115.60	131.86	99.20	56.22
10	35.67	32.98	69.68	e115.05	96.68	132.00	157.03	127.70	139.30	89.50	51.37
15	37.68	36.47	72.30	e109.88	87.92	119.15	154.70	132.70	131.05	84.43	46.95
20	35.00	44.41	100.80	e103.86	92.18	132.05	151.28	130.53	104.68	73.57	43.08
25	34.28	45.45	117.80	104.85	96.85	135.35	.....	115.70	122.47	66.74	41.38
Eom	33.25	44.28	118.47	119.15	98.03	136.40	118.32	126.30	109.04	60.64	39.26

e Estimated.

331205N1042310.1. Local number 13.26.7.333. Howard Amason. Drilled unused water-table well in valley fill, diam 6 in, depth 118 ft, cased to 118. Lsd 3,478.8 ft above msl. MP top of casing, 0.60 ft above lsd. Highest water level 4.45 below lsd, Oct. 1, 1941; lowest 33.48 below lsd, Sept. 15, 1965. Records available: 1941-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1961	24.84	Jan. 16, 1962	27.27	Jan. 10, 1963	27.34	Aug. 27, 1964	k32.16
Apr. 17	24.38	Apr. 17	30.18	Aug. 26	30.62	Jan. 4, 1965	30.83
July 10	26.56	June 18	32.20	Jan. 5, 1964	k27.87	Sept. 15	33.48
Sept. 25	28.60	Sept. 11	29.15				

k From recorder graph.

330700N1044025.1. Local number 14.23.8.144. M. D. Kincaid. Drilled stock water-table well in San Andres Limestone of Permian age, diam 8 in, depth 460 ft. Lsd 3,845 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 257.55 below lsd, Feb. 9, 1943; lowest 315.33 below lsd, Jan. 8, 1965. Records available: 1940-65. In intake area of artesian aquifer.

Jan. 20, 1961	295.40	Sept. 22, 1961	302.32	Jan. 22, 1963	300.65	Sept. 23, 1964	313.30
Mar. 23	296.46	Jan. 17, 1962	289.36	Oct. 1	308.05	Jan. 8, 1965	315.33
May 22	297.23	Mar. 21	a298.03	Jan. 10, 1964	bg305.13	May 24	311.80
July 21	299.70	Sept. 21	305.50				

a Well being pumped.

b Well pumped recently.

g Measurement made by State Engineer's Office.

330640N1041745.1. Local number 14.26.12.433b. R. L. Cummins (erroneously reported R. L. Commirs). Drilled irrigation water-table well in valley fill, diam 13 in, depth 125 ft, cased 0-125, perforated 50-115. Lsd 3,396.4 ft above msl. MP top of casing, at lsd. Highest water level 12.50 below lsd, Jan. 22, 1942; lowest 21.93 below lsd, Sept. 15, 1964. Records available: 1940-65.

Jan. 16, 1961	16.75	Jan. 17, 1962	17.70	Jan. 10, 1963	17.83	Sept. 15, 1964	21.93
Apr. 18	17.73	Apr. 17	18.45	Sept. 5	18.29	Jan. 6, 1965	20.12
July 14	17.26	June 20	20.40	Jan. 8, 1964	g18.48	Sept. 15	20.52
Sept. 22	16.85	Sept. 12	17.70				

g Measurement made by State Engineer's Office.

330445N1042310.1. Local number 14.26.30.111. Norris "A" State Engineer and Pecos Valley Artesian Conservancy District. Drilled observation water-table well in sands and gravels in the Orchard Park Terrace of the Pecos Valley fill, diam 9 in, depth 210 ft, cased to 190, perforated 95-190. Lsd 3,477 ft above msl. MP top of casing, 0.75 ft above lsd. Highest water level 81.36 below lsd, July 15, 1953; lowest 122.14 below lsd, Sept. 15, 1965. Records available: 1953-65.

Jan. 13, 1961	101.90	Jan. 10, 1963	106.47	Sept. 23, 1963	108.11	Aug. 7, 1964	110.95
July 14	102.98	Feb. 2	106.67	Dec. 6	108.70	Jan. 6, 1965	112.03
Jan. 17, 1962	104.42	July 10	107.63	Jan. 27, 1964	109.18	Sept. 15	122.14
Apr. 17	104.85						

335645N1051730.1. Local number 16.16.3.312. Charles Cleve. Two mi east of Elk Post Office on south side of State Highway 83. Drilled domestic water-table well in alluvium, diam 6 in, depth 85 ft, cased to 85. Lsd 6,020 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 35.85 below lsd, Sept. 23, 1964; lowest 49.98 below lsd, Mar. 13, 1957. Records available: 1954-64. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1961	44.30	Sept. 28, 1961	46.35	June 25, 1962	49.09	Sept. 25, 1963	47.10
May 2	47.20	Jan. 5, 1962	45.26	Sept. 13	48.02	Jan. 9, 1964	47.43
July 27	47.85	Apr. 30	47.94	Jan. 3, 1963	48.02	Sept. 23	35.85

Colfax County

Capulin Basin

364500N1040315.1. Local number 29.27.16.222. John King. 200 ft north of U. S. Highway 64-87. Drilled unused water-table well in alluvium, diam 8 in, depth 120 ft, cased to 120. Lsd 6,821.5 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 4.65 below lsd, Feb. 3, Aug. 24, 1960; lowest 8.17 below lsd, Aug. 11, 1965. Records available: 1957-65.

Feb. 5, 1961	4.83	Aug. 22, 1962	5.69	Apr. 16, 1964	5.43	Mar. 31, 1965	6.07
Aug. 3	5.45	Feb. 15, 1963	5.64	Aug. 19	6.27	Aug. 11	8.17
Feb. 21, 1962	4.90	Aug. 9	6.43				

Curry County

Clovis Area

342815N1032700.1. Local number 3.34.23.433. Monte Matlock. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 16 in, depth 418 ft, cased to 418, perforated 365-418. Lsd 4,432 ft above msl. MP top southwest side of casing, 0.90 ft above lsd. Highest water level 340.62 below lsd, Mar. 16, 1957; lowest 342.75 below lsd, June 12, 1962. Records available: 1954-65.

Jan. 16, 1961	341.18	June 12, 1962	342.75	Jan. 10, 1964	341.49	Feb. 17, 1965	341.93
Mar. 14	341.42	Sept. 18	341.10	Sept. 18	341.80	Sept. 15	341.87
June 7	341.32	Jan. 22, 1963	341.14				

342715N1030910.1. Local number 3.36.27.413. C. H. Moore-Oliver Co. Drilled irrigation water-table well in Ogallala Formation of Pliocene age, diam 16 in, depth 416 ft, cased to 416. Lsd 4,319 ft above msl. MP top of casing, 1.41 ft above lsd. Highest water level 286.05 below lsd, Jan. 24, 1955; lowest 330.51 below lsd, Sept. 18, 1964. Records available: 1954-65.

Jan. 18, 1961	305.86	Mar. 13, 1962	307.06	Jan. 25, 1963	315.45	Sept. 18, 1964	330.51
Mar. 14	304.46	June 12	321.53	Sept. 19	(a)	Feb. 16, 1965	323.12
Sept. 12	309.94	Sept. 18	(a)	Jan. 13, 1964	318.58	Sept. 15	(a)
Jan. 16, 1962	308.14						

a Well being pumped.

343530N1030935.1. Local number 4.36.10.111. O. E. Patterson. Drilled irrigation water-table well in Ogallala Formation of Pliocene age, diam 18 in, reported depth 411 ft, cased to 411, perforated 286-411. Lsd 4,432 ft above msl. MP top of 1-in hole in pumpbase, 2.20 ft above lsd. Highest water level 328.37 below lsd, July 26, 1954; lowest 345.82 below lsd, Nov. 13, 1956. Records available: 1954-63. Measurement discontinued.

Jan. 18, 1961	c339.85	Sept. 12, 1961	340.71	Mar. 13, 1962	341.25	Sept. 18, 1962	c349.49
Mar. 14	c339.77	Jan. 17, 1962	340.83	June 12	c348.44	Jan. 24, 1963	344.57
June 6	344.03						

c Nearly well being pumped.

d Nearly well pumped recently.

344710N1030315.1. Local number 7.37.32.131. R. M. Potts. Drilled irrigation water-table well in Ogallala Formation of Pliocene age. Diam, depth and casing information not available. Lsd 4,400 ft above msl. MP top of concrete pumpbase, 1.50 ft above lsd. Highest water level 224.54 below lsd, Jan. 27, 1955; lowest 235.47 below lsd, Mar. 28, 1956. Records available: 1954-62, 1964-65. No measurement made in 1963.

Jan. 18, 1961	m228.11	Sept. 12, 1961	230.90	June 12, 1962	232.91	Jan. 10, 1964	231.60
Mar. 14	227.69	Jan. 17, 1962	m229.61	Sept. 18	234.14	Feb. 16, 1965	233.36
June 6	231.30	Mar. 13	227.61				

m Measurement uncertain.

Doña Ana County

Rincon and Mesilla Valleys

322210N1064830.1. Local number 22.1E.26.411. H. Worthheim Estate. Drilled irrigation water-table well in valley fill, diam 18 in, depth 107 ft, cased to 107. Lsd 3,920 ft above msl. MP top east side of casing, 1.50 ft above lsd. Highest water level 11.92 below lsd, July 19, 1962; lowest 25.57 below lsd, Apr. 25, 1957. Records available: 1957-65.

Jan. 18, 1961	16.06	July 19, 1962	11.92	Jan. 9, 1964	14.09	Jan. 11, 1965	17.80
July 27	14.09	Jan. 8, 1963	13.03	July 28	17.19	July 13	16.83
Jan. 4, 1962	13.28	July 26	14.67				

321620N1064615.1. Local number 23.2E.31.213. New Mexico State University. Drilled irrigation water-table well in valley fill, diam 14, reported depth 70 ft, cased to 70. Lsd 3,880 ft above msl. MP top of 5/8-in hole in pumpbase (previously reported basal flange of pump), 1.08 ft above lsd. Highest water level 13.16 below lsd, Dec. 3, 1947; (previously reported 14.13 ft below lsd, Feb. 10, 1948); lowest 29.12 below lsd, Jan. 7, 1958. Records available: 1947-48, 1957-65 (1947 measurement not previously reported).

Dec. 3, 1947	13.16	Jan. 4, 1962	18.22	July 26, 1963	16.65	Jan. 11, 1965	(a)
Jan. 19, 1961	17.64	July 19	16.44	Jan. 9, 1964	28.65	July 13	19.74
July 27	18.62	Jan. 10, 1963	(a)	July 28	(a)		

a Well being pumped.

Eddy County

Roswell Basin

325510N1044100.1. Local number 16.23.15.323. D. W. Runyan. Drilled stock water-table well in San Andres Limestone of Permian age, diam 10 in, depth 1,485 ft, cased. Lsd 3,900 ft above msl. MP top of casing, 0.70 ft above lsd. Highest water level 211.87 below lsd, Mar. 25, 1945; lowest 265.50 below lsd, Jan. 11, 1965. Records available: 1940-65. In intake area of artesian aquifer.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1961	251.30	Apr. 17, 1962	256.94	Sept. 4, 1963	261.98	Oct. 2, 1964	a267.00
July 24	255.48	June 22	258.20	Jan. 5, 1964	260.90	Jan. 11, 1965	265.50
Jan. 22, 1962	254.40	Jan. 8, 1963	256.23				

a Well being pumped.

325712N1043145.1. Local number 16.25.6.313. Frank Childress. Drilled unused water-table well in valley fill, diam 20 in, depth 39 ft, cased to 39. Lsd 3,600 ft above msl. MP top of 20-in wood cribbing, 0.40 ft above lsd. Highest water level 24.41 below lsd, July 17, 1961; lowest 30.62 below lsd, Aug. 9-10, 1954. Records available: 1937-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1961	27.83	Jan. 23, 1962	28.85	Apr. 29, 1963	29.64	Sept. 15, 1964	29.93
Apr. 18	28.00	Apr. 19	28.98	Aug. 2	29.90	Jan. 7, 1965	29.60
July 17	24.41	Sept. 12	29.55	Nov. 4	29.50	Sept. 14	30.06
Sept. 25	28.96	Feb. 5, 1963	29.57	Jan. 14, 1964	k29.56		

k From recorder graph.

325445N1042535.1. Local number 16.26.19.211. H. V. Parker. Drilled irrigation water-table well in valley fill, diam 12 in, depth 107 ft, cased to 107. Lsd 3,397.9 ft above msl. MP top of casing, at lsd. Highest water level 9.34 below lsd, Jan. 15, 1942; lowest 90.00 below lsd, Sept. 21, 1960. Records available: 1938-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1961	51.58	Jan. 23, 1962	60.00	Jan. 9, 1963	67.34	Sept. 15, 1964	78.45
July 18	80.20	Apr. 19	79.10	Sept. 5	c81.43	Jan. 7, 1965	79.67
Sept. 25	85.62	Sept. 12	86.40	Jan. 7, 1964	73.88	Sept. 14	c83.10

c. Nearby well being pumped.

324930N1042345.1. Local number 17.26.21.112. Western Land Co., Inc. Drilled irrigation water-table well in shallow aquifer, diam 12 in, depth 242 ft, cased to 242. Lsd 3,373 ft above msl. MP $\frac{1}{4}$ -in plug on discharge pipe, 2.00 ft above lsd. Highest water level 43.23 below lsd, Jan. 13, 1955; lowest 79.85 below lsd, Jan. 11, 1965. Records available: 1955-58, 1960-65. No measurement made in 1959.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1955	43.23	Aug. 26, 1958	79.65	Jan. 24, 1962	64.45	Jan. 14, 1964	(a)
Jan. 31, 1956	48.86	Jan. 22, 1960	60.69	Jan. 23, 1963	69.00	Jan. 11, 1965	79.85
Jan. 24, 1957	57.18	Jan. 19, 1961	57.85				

a Well being pumped.

324615N1044210.1. Local number 18.23.5.333. Joe Clements. Drilled stock water-table well in San Andres Limestone of Permian age, diam 6 in, depth 500 ft, surface casing. Lsd 4,007.6 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 385.50 below lsd, July 21, 1945; lowest 461.12 below lsd, Jan. 12, 1965. Records available: 1945-65. In intake area of artesian aquifer.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1961	448.55	Sept. 19, 1961	451.25	June 22, 1962	a454.50	Jan. 10, 1964	a458.69
May 1	449.30	Jan. 25, 1962	451.25	Jan. 10, 1963	453.45	Oct. 2	461.04
July 24	451.30	Apr. 19	a454.10	Sept. 4	458.88	Jan. 12, 1965	a461.12

a Well being pumped.

324640N1042445.1. Local number 18.26.5.333. Artesia. Drilled unused artesian well in San Andres Limestone of Permian age, diam 8 in, depth 1,056 ft, depth to artesian aquifers 750, 820, and 905, cased to 721. Lsd 3,394.50 ft above lsd. MP top of casing, 1.94 ft above lsd. Highest water level 8.30 below lsd, Jan. 12, 1942; lowest 157.80 below lsd, Aug. 28, 1957. Records available: 1931-61. Measurement discontinued; replaced by 18.26.6.442.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	71.53	65.86	73.01	119.33	99.16	118.87	.....	.....	.....	.....	.....	.....
10	70.39	65.07	79.75	113.93	100.46	.....	.....	.....	.....	.....	.....	.....
15	69.30	65.10	88.40	108.59	102.53	.....	.....	.....	.....	.....	.....	.....
20	68.35	65.17	93.12	106.33	113.60	.....	.....	.....	.....	.....	.....	.....
25	67.12	66.50	106.86	102.35	116.90	.....	.....	.....	.....	.....	.....	.....
Eom	66.07	66.80	115.98	98.82	116.22	.....	.....	.....	.....	.....	.....	.....

324624N1042445.1. Local number 18.26.5.442. Artesia "A". Drilled observation artesian well in San Andres Limestone of Permian age, diam 9 in, depth 1,008 ft, cased to 726, depth to artesian aquifers 768, 820, 889, and 999. Lsd 3,402.10 ft above msl. MP top of recorder shelf, 3.40 ft above lsd. Highest water level 71.79 below lsd, Jan. 26, 1962; lowest 205.15 below lsd, Sept. 10, 1964. Records available: 1961-65.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	137.58	157.87	e156.22	127.03	100.65	82.82
10	125.65	137.44	159.32	154.34	119.30	98.08	80.73
15	126.58	139.32	160.15	151.16	112.32	93.18	80.29
20	117.47	143.12	155.05	146.10	109.77	89.28	79.21
25	124.18	148.12	155.54	139.90	108.08	87.23	76.98
Eom	134.93	152.38	e156.77	135.10	103.98	84.73	76.22

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	75.67	71.82	86.26	.....	108.98	138.77	156.88	135.73	166.43	133.67	101.03	85.65
10	75.02	74.53	92.84	.....	115.00	143.47	156.30	150.50	155.86	127.17	100.42	87.18
15	72.40	76.55	92.61	124.37	125.10	146.25	158.02	163.67	155.22	121.83	98.92	85.78
20	72.39	81.52	102.13	121.31	131.67	151.40	149.53	169.90	156.85	114.77	95.92	85.17
25	72.08	84.12	.....	115.65	139.58	155.80	154.18	174.12	152.57	108.34	93.67	85.50
Eom	72.70	85.84	.....	108.35	138.96	159.01	139.28	176.98	141.43	103.47	91.55	83.04

324624N1042445.1--Continued.

1963											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. Dec.
5	83.57	81.82	97.50	143.98	129.87	129.60	167.56	183.62	162.04	157.02	123.37 106.95
10	82.85	85.73	103.68	143.35	135.18	136.62	168.47	185.33	162.67	148.77	118.69 105.37
15	80.00	78.05	113.99	135.52	144.75	146.67	172.19	180.72	166.35	143.43	116.82 102.95
20	79.22	84.78	124.75	136.87	145.58	151.89	177.78	179.95	170.10	136.39	113.95 100.35
25	78.93	90.98	132.68	132.42	140.85	163.05	e180.32	179.90	174.20	133.53	112.10 97.83
Eom	80.03	96.40	141.35	127.16	138.17	e167.85	182.42	168.25	165.15	128.62	110.40 96.13
1964											
5	97.65	102.83	111.87	149.19	137.65	160.45	176.55	.....	201.76	163.72	138.88 117.81
10	101.37	103.38	112.58	145.72	135.02	160.85	.....	193.62	203.45	159.93	134.10 114.85
15	101.77	105.58	117.15	140.24	140.96	145.40	.....	195.90	196.23	155.09	129.15 114.17
20	102.72	107.75	127.63	138.58	148.69	150.62	.....	195.89	188.82	151.98	125.43 111.37
25	107.90	105.19	139.21	144.01	153.65	161.47	191.41	198.98	183.33	145.56	121.65 108.98
Eom	109.85	107.63	146.08	143.02	158.87	168.80	194.93	196.91	172.02	142.55	119.77 109.68
1965											
5	106.80	110.00	110.45	152.80	144.47	168.05	185.51	181.62	186.25	164.52	135.37 118.29
10	108.07	105.70	115.05	157.65	138.50	168.00	192.91	183.93	186.93	160.55	132.40 116.81
15	109.10	108.23	121.00	153.52	140.62	e159.66	e193.80	.....	185.20	157.14	128.43 114.46
20	109.55	106.15	133.53	147.63	141.57	159.10	e191.60	187.08	176.59	152.12	125.20 110.70
25	110.75	107.55	141.68	155.80	151.75	168.23	198.73	179.17	177.70	145.19	122.92 108.56
Eom	111.95	107.45	150.60	154.97	161.04	177.90	186.00	.....	169.44	139.33	120.57 107.09

e Estimated.

324555N1042505.1. Local number 18.26.7.234a. C. H. Hutsonpiller. Drilled unused water-table well in valley fill, diam 8 in, depth 159 ft, cased to 159. Lsd 3,400 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 43.50 below lsd, Feb. 9, 1943; lowest 85.06 below lsd, Jan. 23, 1963. Records available: 1937-63. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level
July 23, 1961	83.96	Sept. 25, 1961	83.60	June 20, 1962	84.52
Apr. 19	83.75	Jan. 24, 1962	84.20	Sept. 12	84.90
July 18	83.60			Feb. 5	85.05

324325N1042330.1. Local number 18.26.28.121a. Town of Dayton. Drilled observation water-table well in valley fill, diam 8 in, depth 250 ft, cased to 182, casing slotted 92-182. Lsd 3,403.0 ft above msl. MP top of casing, 0.06 ft above lsd. Highest water level 59.79 below lsd, Feb. 5, 1952; lowest 109.58 below lsd, Dec. 31, 1965. Records available: 1951-65.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	97.00	97.06	97.07	97.10	97.24	97.46	97.69	97.97	98.26	.....	98.91	99.18
10	97.01	97.06	97.08	97.12	97.28	97.49	97.73	98.01	98.32	.....	98.96	99.22
15	97.02	97.07	97.07	97.14	97.31	97.53	97.77	98.06	98.36	.....	99.00	99.26
20	97.04	97.07	97.07	97.18	97.35	97.57	97.81	98.10	98.42	98.76	99.04	99.29
25	97.05	97.07	97.06	97.20	97.40	97.62	97.87	98.17	98.48	98.80	99.10	99.32
Eom	97.05	97.07	97.08	97.22	97.44	97.65	97.92	98.22	98.53	98.86	99.13	99.35
1962												
5	99.37	99.52	99.61	99.70	e99.85	100.06	100.30	100.60	100.86	101.14	e101.43	e101.65
10	99.40	99.54	99.62	99.71	e99.88	100.10	100.34	100.65	100.90	101.17	e101.47	e101.69
15	99.41	99.55	99.64	99.73	e99.91	100.13	100.39	100.69	100.94	101.20	e101.51	e101.74
20	99.43	99.56	99.66	99.76	e99.95	e100.18	100.43	100.74	100.99	101.25	e101.55	e101.78
25	99.47	99.58	99.65	99.80	e99.98	100.22	100.51	100.78	101.07	101.34	101.57	101.82
Eom	99.50	99.59	99.67	99.82	100.02	100.26	100.57	100.82	101.10	e101.39	e101.60	101.86
1963												
5	101.89	102.02	102.10	e102.27	102.46	102.65	102.89	103.18	103.45	103.74	104.02	104.27
10	101.91	102.03	102.11	e102.31	102.51	102.68	102.92	103.22	103.49	103.79	104.06	104.30
15	101.94	102.06	102.13	e102.34	102.54	102.72	102.95	103.27	103.53	103.84	104.10	104.33
20	101.97	102.07	102.16	e102.38	102.57	102.76	102.99	103.31	103.57	103.88	104.14	104.37
25	101.99	102.08	e102.20	102.41	102.58	102.80	103.05	103.36	103.65	103.93	104.19	104.42
Eom	102.00	102.09	e102.24	102.43	102.62	102.85	103.13	103.41	103.69	103.99	104.23	104.46
1964												
5	.....	104.64	.....	104.85	105.07	105.31	105.52	105.73	106.06	106.32	106.63	106.88
10	104.52	104.64	.....	104.90	105.11	105.33	105.55	105.83	106.11	106.36	106.68	106.93
15	104.55	104.65	.....	104.94	105.15	105.37	105.59	105.87	106.15	.....	106.71	106.95
20	104.57	e104.66	.....	104.78	105.19	105.39	105.62	105.91	106.19	.....	106.75	106.99
25	104.62	104.67	104.78	105.02	105.24	105.44	105.70	105.97	106.24	106.56	106.84	107.04
Eom	104.63	.....	104.82	105.06	105.27	105.48	105.74	106.01	106.28	106.58	106.86	107.07
1965												
5	107.09	107.32	107.46	107.52	107.71	107.90	108.13	108.37	108.60	108.87	109.16	109.34
10	107.11	107.34	107.46	107.54	107.72	107.95	108.15	108.40	108.64	108.89	109.18	109.37
15	107.17	107.35	107.48	107.57	107.77	107.97	108.18	108.44	108.69	108.93	109.21	109.39
20	107.20	107.38	107.50	107.59	107.80	108.00	108.22	108.48	108.74	108.97	109.25	109.41
25	107.26	107.42	107.48	107.65	107.85	108.06	108.31	108.52	108.78	108.99	109.27	109.53
Eom	107.29	107.43	107.49	107.68	107.88	108.10	108.35	108.56	108.82	109.13	109.30	109.58

e Estimated.

323820N1044110.1. Local number 19.23.27.111. C. R. Coffin. Drilled stock water-table well in San Andres Limestone of Permian age, diam 7 in, depth 416 ft, surface casing. Lsd 3,940 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 368.75 below lsd, Oct. 19, 1943; lowest 391.10 below lsd, Oct. 2, 1964, Jan. 13, 1965. Records available: 1940-65. In intake area of artesian aquifer.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1961	386.40	Sept. 19, 1961	390.30	Oct. 2, 1963	389.17	Oct. 2, 1964	391.10
May 1	390.60	Jan. 25, 1962	389.80	Jan. 10, 1964	386.50	Jan. 13, 1965	391.10
July 24	388.40	Jan. 8, 1963	389.44				

323810N1042200.1. Local number 19.26.27.142. Formerly 233. Lakewood School. Formerly E. C. McGonagill. Drilled domestic water-table well in valley fill, diam 8 in, depth 127 ft, cased to 127. Lsd 3,290 ft above msl. MP top of casing, 1.58 ft above lsd. Highest water level 37.63 below lsd, May 11, 1942; lowest 84.02 below lsd, Sept. 28, 1959. Records available: 1937-39, 1941-64. No measurement made in 1955.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1961	66.52	Sept. 25, 1961	75.62	Sept. 12, 1962	83.11	Sept. 4, 1963	82.64
May 1	70.80	Jan. 25, 1962	876.52	Jan. 8, 1963	71.91	Jan. 9, 1964	80.65
July 18	779.65	Apr. 12	881.87				

a Well being pumped.

b Well pumped recently.

Carlsbad Area

322638N1041658.1. Local number 21.27.32.112. L. E. Loman. Drilled domestic and irrigation artesian well in Artesia Group of Permian age, diam 6 in, reported depth 305 ft. Lsd 3,112 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 4.64 below lsd, Jan. 17, 1950; lowest 16.00 below lsd, Sept. 7, 1965. Records available: 1947-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1961	8.24	May 11, 1962	b13.00	Jan. 21, 1963	b11.80	Jan. 13, 1965	b14.18
May 24	10.10	Aug. 16	13.95	Sept. 3	15.90	Sept. 7	16.00
Jan. 3, 1962	b11.66	Nov. 15	b12.40	Jan. 13, 1964	b11.82		

b Well pumped recently.

322638N1041658.2. Local number 21.27.32.112a. Francis Tracy (previously reported S. Tracy). Drilled irrigation water-table well in alluvium, diam 15 in, reported depth 105 ft, cased to 105. Lsd 3,112 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 9.13 below lsd, Nov. 22, 1960; lowest 17.00 below lsd, Aug. 21, 1964. Records available: 1950-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1961	14.09	May 11, 1962	13.95	Jan. 21, 1963	14.65	Aug. 21, 1964	17.00
May 24	13.32	Aug. 16	13.78	Sept. 3	14.12	Jan. 13, 1965	15.53
Aug. 11	12.01	Nov. 15	14.20	Jan. 13, 1964	14.84	Sept. 7	15.59
Jan. 3, 1962	14.62						

322120N1041515.1. Local number 22.26.36.111a. Carlsbad Airfield 2. Drilled unused water-table well in alluvium, diam 12 in, depth 260 ft, cased to 260. Lsd 3,225 ft above msl. MP top of recorder platform, 2.70 ft above lsd. Highest water level 131.50 below lsd, Oct. 14, 1942; lowest 205.67 below lsd, Aug. 20, 1954. Records available: 1942-65.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	155.78	154.97	162.69	167.81	168.90	172.67	178.23	182.17	180.25	172.98	166.61
10	b158.14	155.35	154.84	164.55	168.88	169.92	173.77	.....	182.20	178.95	171.57	165.65
15	157.62	154.95	155.93	165.89	168.74	.....	175.01	180.11	182.56	177.78	170.49	164.97
20	157.25	154.67	157.37	166.18	169.13	172.90	175.23	180.90	182.05	176.34	169.34	164.33
25	.....	154.37	158.56	167.27	169.96	173.34	176.12	180.17	182.03	175.45	168.50	163.53
Eom	156.08	154.33	160.69	167.39	169.58	172.93	177.51	181.67	181.32	173.90	167.52	162.97

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	162.23	159.38	161.28	164.34	172.07	173.93	177.87	180.65	183.34	.....	.....	.....
10	161.75	159.32	.....	166.57	171.80	174.37	178.22	180.17	182.63	.....	.....	.....
15	161.05	159.25	160.91	.....	172.45	174.05	179.00	180.83	181.58	.....	.....	.....
20	160.33	159.55	160.70	170.62	173.65	174.17	180.08	181.55	180.75	.....	.....	.....
25	159.90	159.81	160.97	171.39	173.48	175.33	.....	182.22	180.34	.....	.....	.....
Eom	159.44	160.37	162.20	171.92	173.93	176.60	181.70	182.87	179.63	.....	.....	.....

1963

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	177.03	179.98	183.76	189.30	190.08	186.55	181.54	176.22
10	177.99	180.35	184.66	190.42	188.80	185.89	180.65	175.32
15	178.82	180.73	185.42	191.16	188.05	185.47	179.63	175.06
20	179.66	181.13	186.35	191.55	187.98	184.66	178.59	174.24
25	180.08	181.89	187.13	191.33	187.61	183.80	177.85	173.50
Eom	176.97	179.96	182.70	188.17	190.89	187.13	182.60	176.97	172.85

1964

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	172.26	172.13	173.16	175.92	181.11	184.18	.....	194.48	196.43	.....	192.75	.....
10	171.95	172.56	173.33	177.39	181.76	184.65	190.15	194.96	196.92	.....	192.00	.....
15	171.94	172.82	173.40	178.70	182.41	185.23	191.23	195.27	197.21	194.00	191.25	.....
20	171.23	172.57	173.13	179.51	182.84	.....	192.12	195.81	.....	193.85	.....	.....
25	170.89	172.71	173.45	179.97	183.18	.....	192.79	196.14	.....	193.90	.....	.....
Eom	171.51	172.71	174.87	180.65	183.98	.....	193.81	196.37	.....	193.40	.....	.....

1965

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	184.60	185.85	184.35	186.60	193.10	195.35	198.00	202.71	e204.10	202.20	197.65	193.01
10	184.60	185.75	183.90	188.00	193.40	195.00	198.60	203.31	e204.60	201.60	197.04	192.35
15	184.45	185.50	183.80	189.55	193.50	194.60	199.40	203.80	e203.90	199.92	196.31	191.76
20	184.70	185.20	184.10	190.90	194.00	195.10	201.30	203.90	e203.65	199.16	195.40	191.11
25	185.30	185.00	184.50	191.60	194.30	195.75	201.32	203.51	e203.20	199.43	194.44	190.41
Eom	185.70	184.60	185.80	192.70	195.05	196.75	201.95	204.00	e202.45	198.46	193.69	189.52

e Estimated.

b Tape measurement.

322231N1041310.1. Local number 22.27.22.421. Enea Grandi. Drilled irrigation water-table well in alluvium, diam 16 in, reported depth 150 ft, cased. Lsd 3,100 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 21.43 below lsd, Sept. 15, 1950; lowest 71.23 below lsd, Sept. 20, 1965. Records available: 1947-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1961	31.76	Jan. 8, 1962	32.29	Jan. 15, 1963	32.97	Jan. 12, 1965	59.33
May 24	34.00	May 11	36.60	Sept. 3	44.19	June 25	70.78
Aug. 11	34.53	Aug. 16	36.98	Jan. 14, 1964	40.60	Sept. 20	71.23
Nov. 7	30.92	Nov. 15	29.96	Aug. 27	67.55		

322017N1041020.1. Local number 23,27,2,122. Jim Derrick. Drilled irrigation water-table well in alluvium, diam 16 in (previously reported 18 in), depth 186 ft, cased. Lsd 3,085 ft above msl. MP top of air-line flange support, 2.10 ft above lsd. Highest water level 26.40 below lsd, Oct. 25, 1946; lowest 78.92 below lsd, Sept. 7, 1965. Records available: 1946-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1961	35.94	Jan. 8, 1962	37.55	Jan. 17, 1963	39.66	Aug. 27, 1964	(a)
May 24	38.97	May 11	42.90	Sept. 3	52.54	Jan. 13, 1965	67.25
Aug. 11	39.89	Aug. 16	45.18	Jan. 16, 1964	48.43	Sept. 7	78.92
Nov. 7	36.64	Nov. 19	40.94				

a Well being pumped.

321740N1040355.1. Local number 23,28,23,133. A. R. Donaldson. Drilled irrigation water-table well in alluvium, diam 16 in, depth 148 ft, cased. Lsd 3,020 ft above msl. MP bottom edge of north $\frac{1}{2}$ -in hole in west side of pumpbase, 0.80 ft above lsd. Highest water level 38.25 below lsd, Sept. 14, 1950; lowest 70.59 below lsd, Aug. 31, 1954. Records available: 1947-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1961	41.60	Jan. 16, 1962	43.49	Nov. 15, 1962	43.70	Jan. 20, 1964	46.87
May 24	41.70	May 11	44.75	Jan. 17, 1963	44.37	Sept. 7, 1965	68.96
Aug. 11	40.93	Aug. 16	45.84	Sept. 3	50.80		

320627N1042817.1. Local number 25,24,26,121. State Department of Game and Fish. Dug unused water-table well (previously reported artesian) in alluvial conglomerate, diam 24 in, depth 15 ft, cased. Lsd 3,636.4 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 0.76 above lsd, Feb. 19, 1953; lowest 7.26 below lsd, July 27-29, Aug. 1, 1965. Records available: 1953-65.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	0.26	0.38	0.26	1.55	2.00	1.80	2.40	2.62	2.26	1.43	0.87	0.62
10	0.26	0.35	0.23	1.62	1.92	1.74	2.39	2.65	2.38	1.34	....	0.61
15	0.91	0.33	0.22	1.91	2.00	2.17	2.35	2.68	2.47	1.18	....	0.73
20	0.64	0.34	0.90	2.14	2.18	2.21	2.91	2.52	2.13	1.10	....	0.59
25	0.43	0.33	1.34	2.27	2.23	....	....	2.46	2.00	1.02	....	0.53
Eom	e0.40	0.33	1.71	2.15	2.08	....	b2.67	....	1.82	0.86	....	0.52

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	0.48	0.45	1.20	2.14	1.73	1.88	....	....	....	....	....	....
10	0.49	0.45	1.66	1.98	1.50	2.49	....	....	....	....	....	....
15	....	0.44	1.66	2.31	1.85	....	....	....	....	....	....	....
20	....	0.40	1.58	2.42	2.20	....	....	....	....	....	....	....
25	....	0.37	2.02	2.44	2.33	....	....	....	....	....	....	....
Eom	....	0.44	2.64	2.13	1.95	....	....	....	....	....	....	....

1963

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	0.91	....	1.37	2.14	1.67	4.14	3.88	....	1.48	0.84	0.81
10	2.11	1.71	1.37	3.59	3.79	1.46	....	.91	.77
15	2.00	1.60	1.49	2.52	....	1.24	.92	.88	.87
20	0.71	....	....	2.23	1.72	1.42	2.89	3.12	1.11	.83	.88	.81
25	3.24	1.46	2.68	3.22	3.86	1.37	.90	.83	.78
Eom	1.34	3.51	2.30	3.54	3.75	2.73	1.59	.84	.85	.80

1964

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	0.78	1.61	1.67	3.78	3.66	2.22	3.01	5.54	5.27	2.28	2.23	....
10	.76	....	1.33	3.90	3.00	2.19	3.71	5.64	6.00	2.10	1.71	1.27
15	.80	....	1.24	3.04	3.13	1.98	4.35	5.32	4.08	1.99	1.60	....
20	1.36	2.28	1.57	3.97	2.46	1.67	4.88	5.16	4.47	2.32	....	....
25	1.49	2.47	1.50	3.42	2.34	1.63	4.63	5.86	3.21	2.02	1.33	....
Eom	1.47	2.39	....	3.80	2.33	2.31	6.25	4.51	2.58	2.02	1.35	....

1965

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	1.25	1.70	2.00	2.92	2.60	2.88	3.40	6.95	6.51	2.55	1.95	1.50
10	1.20	1.45	2.08	2.93	e2.75	2.99	6.91	6.75	5.98	2.35	1.85	1.40
15	e1.20	1.53	1.73	2.80	e2.98	2.95	7.12	e6.82	5.61	h2.30	1.55	1.40
20	1.65	1.65	2.22	2.73	e3.15	2.92	7.12	6.76	e3.25	2.30	1.45	1.35
25	1.55	e1.67	3.30	2.83	4.12	3.19	7.24	6.99	e2.80	2.10	1.50	1.30
Eom	1.30	e1.69	3.70	2.82	2.93	3.45	7.24	6.71	2.80	2.05	1.40	1.25

e Estimated.

h Tape measurement.

320602N1042852.1. Local number 25,24,27,421. Walker Hood. Formerly Brumbe and Caffie. Drilled irrigation water-table well in alluvium, diam 16 in, depth 101 ft, uncased. Lsd 3,701 ft above msl. MP northwest corner of pumpbase, 1.00 ft above lsd. Highest water level 55.68 below lsd, Apr. 4, 1952; lowest 64.63 below lsd, June 1, 1961. Records available: 1952-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1961	58.80	Nov. 1, 1961	58.88	Sept. 13, 1962	(a)	Jan. 21, 1964	59.41
Mar. 10	57.90	Jan. 2, 1962	58.40	Nov. 23	58.70	Sept. 15	64.38
May 1	61.76	Mar. 27	(a)	Jan. 22, 1963	58.51	Jan. 5, 1965	59.61
June 1	64.63	May 28	(a)	Aug. 21	(a)	Sept. 8	(a)
Aug. 1	a74.85	Aug. 31	61.21				

a Well being pumped.

320257N1042952.1. Local number 26,24,9,441. John Mayes. Drilled irrigation water-table well in alluvium, diam 12 in, depth 100 ft, cased to 85. Lsd 3,749.4 ft above msl. MP top of air-line flange support, 1.40 ft above lsd. Highest water level 42.29 below lsd, Nov. 8, 1955; lowest 54.98 below lsd, Sept. 8, 1965. Records available 1952-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1961	49.76	Jan. 2, 1962	50.92	Sept. 13, 1962	52.38	Jan. 21, 1964	51.12
May 18	50.48	Mar. 27	51.11	Nov. 23	51.23	Sept. 15	53.67
July 18	51.29	May 29	51.98	Jan. 22, 1963	51.00	Jan. 5, 1965	52.39
Sept. 19	51.46	July 31	52.27	Aug. 23	52.72	Sept. 8	54.98
Nov. 16	51.27						

Hidalgo County

Virden Valley

323930N1085645.1. Local number 19.20.18.120. Floyd Johns. Drilled domestic water-table well in alluvium, diam 8 in, depth 60 ft, cased to 60. Lsd 3,804.47 ft above msl (previously reported 3,803.47). MP top of casing, 0.60 ft above lsd. Highest water level 20.05 below lsd, Feb. 1, 1945; lowest 55.00 below lsd, July 23, 1947. Records available: 1939-63. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1961	25.30	May 1961	25.52	Sept. 1961	28.94	Aug. 1, 1962	26.67
Feb.	25.10	June	37.43	Oct.	28.96	Oct. 22	26.42
Mar.	37.26	July	29.54	Jan. 29, 1962	25.00	Feb. 4, 1963	25.10
Apr.	25.70	Aug.	28.97	Mar. 25	23.36	Apr. 1	24.70

324040N1085920.1. Local number 19.21.2.333. Formerly 330a. W. O. Clouse. Drilled irrigation water-table well in alluvium, diam 16 in (previously reported 20 in), depth 80 ft, cased to 54. Lsd about 3,755 ft above msl. MP hole in pumpbase, 3.00 ft above lsd. Highest water level 12.79 below lsd, Mar. 26, 1962; lowest 24.25 below lsd, Nov. 3, 1956. Records available: 1948-64. No measurement made in 1965.

Jan. 1961	14.58	July 1961	18.15	Mar. 26, 1962	12.79	Feb. 3, 1964	14.11
Feb.	14.49	Aug.	18.25	Aug. 1	(a)	May 2	14.72
Apr.	15.69	Sept.	17.38	Oct. 22	14.51	Aug. 15	16.17
May	16.09	Oct.	16.72	Feb. 4, 1963	14.00	Oct. 12	15.06
June	16.25	Jan. 29, 1962	13.44	Oct. 7	15.37		

a Well being pumped.

Animas Valley

321355N1083340.1. Local number 24.17.11.233. W. V. Mitchell. Drilled irrigation water-table well in valley fill, diam 12 in, depth 250 ft, cased to 250. Lsd 4,285 ft above msl. MP top of concrete base and steel casing, 1.00 ft above lsd. Highest water level 77.64 below lsd, Jan. 3, 1963; lowest 80.60 below lsd, May 14, 1956. Records available: 1955-63. Measurement discontinued.

Jan. 19, 1961	78.32	Nov. 8, 1961	78.42	Apr. 2, 1962	78.43	Jan. 3, 1963	77.64
Apr. 4	78.39	Jan. 3, 1962	78.38	Aug. 13	78.45	Aug. 7	77.75
Aug. 9	78.73						

320700N1085150.1. Local number 25.20.24.313. Rudiger and Jundt. Drilled irrigation water-table well in bolson deposits, diam 16 in, depth 320 ft (previously reported 97 ft; well deepened to 320 ft in 1957), cased to 320. Lsd 4,221.43 ft above msl. MP top of casing, 0.43 ft above lsd. Highest water level 42.43 below lsd, Apr. 1, 1949; lowest 103.77 below lsd, Aug. 14, 1962. Records available: 1948-65.

Jan. 17, 1961	77.50	Jan. 4, 1962	79.91	Jan. 4, 1963	81.81	Aug. 4, 1964	100.53
Apr. 4	c170.40	Apr. 3	c108.14	Aug. 6	c122.33	Jan. 7, 1965	83.31
Aug. 8	98.10	Aug. 14	103.77	Jan. 5, 1964	82.90	Aug. 4	c120.02
Nov. 7	84.74						

c Nearby well being pumped.

320450N1085130.1. Local number 25.20.35.434. W. Veck. Drilled irrigation water-table well in bolson deposits, diam 16 in, depth 120 ft, cased to 105, perforated 60-108. Lsd 4,245.96 ft above msl. MP top of casing, 0.50 ft below lsd. Highest water level 50.27 below lsd, Apr. 2, 1948; lowest 85.07 below lsd, Apr. 6, 1957. Records available: 1948-63. Measurement discontinued.

Jan. 17, 1961	86.78	Aug. 8, 1961	c87.35	Jan. 4, 1962	84.93	Aug. 14, 1962	c80.84
Apr. 4	c88.03	Nov. 7	85.03	Apr. 3	86.93	Aug. 6, 1963	87.76

c Nearby well being pumped.

315645N1084935.1. Local number 27.19.20.343. Felix Gauthier. Drilled irrigation water-table well in bolson deposits, diam 16 in, depth 358 ft, cased to 358 (previously reported depth 250, cased to 250, perforated 112-218). Lsd 4,420 ft above msl. MP top edge of 1½-in pipe in concrete pumpbase, 1.25 ft above lsd. Highest water level 131.90 below lsd, July 29, 1949; lowest 160.98 below lsd, Aug. 4, 1965. Records available: 1949-65.

Jan. 18, 1961	151.46	Jan. 5, 1962	153.93	Jan. 5, 1963	155.05	Aug. 3, 1964	160.62
Aug. 8	158.19	Apr. 3	(a)	Aug. 6	159.38	Jan. 6, 1965	157.54
Nov. 7	154.83	Aug. 14	(a)	Jan. 5, 1964	155.38	Aug. 4	160.98

a Well being pumped.

314910N1084615.1. Local number 29.19.3.100. T. B. Strickland. Dug stock water-table well in bolson deposits, diam 36 in, depth 30 ft, cribbed with wood. Lsd 4,595 ft above msl. MP top of concrete well curb, 0.60 ft above lsd. Highest water level 22.40 below lsd, Jan. 17, 1956; lowest 27.99 below lsd, May 26, 1954. Records available: 1949-65.

Jan. 18, 1961	24.13	Jan. 5, 1962	26.05	Jan. 6, 1963	23.60	Aug. 3, 1964	26.86
Apr. 4	24.50	Apr. 3	26.01	Aug. 6	24.90	Jan. 6, 1965	25.30
Aug. 8	24.84	Aug. 14	24.77	Jan. 7, 1964	25.56	Aug. 3	24.18
Nov. 7	25.67						

Plavas Valley

314010N1082915.1. Local number 30.16.29.422. Myers Bros. Formerly H. Groessel. Drilled irrigation water-table well in bolson deposits, diam 16 in, depth 160 ft, cased to 160. Lsd 4,347.5 ft above msl. MP top of 2-in pipe with threaded plug in plate over well, 0.71 ft above lsd. Highest water level 43.85 below lsd, Feb. 4, 1949; lowest "dry" Jan. 10, 1964. Records available: 1949-64. Measurement discontinued.

Jan. 13, 1961	52.83	Nov. 13, 1961	58.02	Aug. 20, 1962	59.79	Aug. 7, 1963	59.87
Apr. 5	52.13	Jan. 23, 1962	55.54	Jan. 9, 1963	57.40	Jan. 10, 1964	(f)
Aug. 10	56.20	Apr. 5	54.82				

f Dry.

313055N1081530.1. Local number 32.17, 23, 434. R. M. Timberlake. Drilled irrigation water-table well in bolson deposits, diam 12 in, depth 162 ft, cased to 162. Lsd 4,507.0 ft above msl. MP top of casing at lsd. Highest water level 96.09 below lsd, Mar. 23, 1949; lowest 106.77 below lsd, Aug. 5, 1965. Records available: 1948-53, 1956-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1961	99.90	Jan. 23, 1962	100.80	Jan. 9, 1963	100.89	Aug. 1, 1964	105.47
Apr. 5	100.23	Apr. 5	100.98	Aug. 7	102.53	Jan. 9, 1965	104.05
Aug. 10	101.23	Aug. 20	102.10	Jan. 10, 1964	101.62	Aug. 5	106.77
Nov. 13	100.85						

Lea County

Tatum-Lovington-Hobbs Area

331740N1032850.1. Local number 12.34, 11, 413. A. D. Jones Estate. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 15 in, depth 87 ft. Lsd 4,150 ft above msl. MP top of concrete pumpbase, 0.80 ft above lsd. Highest water level 29.57 below lsd, May 24, 1949; lowest 32.70 below lsd, Sept. 15, 1965. Records available: 1949-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 13, 1961	31.79	Jan. 26, 1962	31.65	Feb. 19, 1963	32.01	Sept. 17, 1964	32.37
Apr. 3	31.78	Mar. 30	31.63	Sept. 25	32.12	Feb. 19, 1965	32.49
June 28	31.74	June 22	31.65	Feb. 18, 1964	32.20	Sept. 15	32.70
Sept. 12	31.71	Sept. 27	31.81				

330325N1032455.1. Local number 14.35, 33, 433. W. A. Anderson. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 6 in, depth 62 ft, not cased. Lsd 4,013.61 ft above msl. MP top of concrete collar on well, 1.00 ft above lsd. Highest water level 39.65 below lsd, May 21, July 23, 1951, Jan. 9, May 24, 1952; lowest 45.21 below lsd, Sept. 14, 1965. Records available: 1929-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 9, 1961	43.51	Jan. 18, 1962	44.68	Feb. 21, 1963	42.86	Sept. 16, 1964	44.52
Mar. 28	43.36	Mar. 28	42.79	Sept. 24	43.07	Feb. 11, 1965	44.80
June 2	43.16	June 27	42.72	Feb. 13, 1964	43.80	Sept. 14	45.21
Sept. 6	43.04						

c Nearly well being pumped.

330650N1031530.1. Local number 14.36, 13, 211. Mrs. Mattie Field. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 12 in, depth 87 ft, cased to 87. Lsd 3,904.6 ft above msl. MP notch in north side of concrete well curb, at lsd. Highest water level 35.74 below lsd, Jan. 30, May 24, 1946; lowest 57.05 below lsd, Sept. 14, 1965. Records available: 1929-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 6, 1961	52.22	Jan. 29, 1962	53.07	Feb. 27, 1963	54.20	Sept. 16, 1964	55.84
Mar. 27	52.29	Mar. 28	53.19	Sept. 24	54.68	Feb. 18, 1965	56.46
June 2	52.40	June 20	53.36	Feb. 13, 1964	55.18	Sept. 14	57.05
Sept. 13	52.65	Sept. 24	53.70				

325752N1032335.1. Local number 16.35, 5 Lot 2. Miss Ethel Yadon. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 16 in, depth 97 ft, cased to 87. Lsd 3,940 ft above msl. MP top of hole in recorder-shelter shell, 2.95 ft above lsd. Highest water level 53.83 below lsd, Mar. 14, 1957; lowest 60.14 below lsd, Dec. 21-22, 1965. Records available: 1956-65.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	55.97	55.90	55.80	55.74	55.65	55.64	55.75	55.85	56.02	56.11	56.22	56.30
10	55.95	55.88	55.79	55.69	55.64	55.65	55.77	55.87	56.05	56.16	56.23	56.31
15	55.95	55.87	55.76	55.70	55.63	55.67	55.79	55.91	56.07	56.17	56.26	56.31
20	55.93	55.85	55.77	55.68	55.63	55.69	55.79	55.95	56.08	56.16	56.26	56.31
25	55.91	55.82	55.73	55.67	55.64	55.70	55.81	55.98	56.09	56.18	56.27	56.31
Eom	55.91	55.81	55.74	55.66	55.64	55.71	55.83	56.00	56.11	56.19	56.28	56.33

1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	56.33	56.35	56.30	56.26	56.35	56.43	56.47	56.52	56.60	56.68	56.75	56.83
10	56.34	56.35	56.23	56.27	56.36	56.44	56.48	56.53	56.61	56.69	56.76	56.83
15	56.34	56.35	56.29	56.29	56.37	56.45	56.48	56.52	56.61	56.70	56.77	56.85
20	56.34	56.32	56.27	56.30	56.37	56.42	56.50	56.55	56.62	56.71	56.78	56.85
25	56.33	56.30	56.27	56.33	56.39	56.43	56.50	56.56	56.63	56.73	56.79	56.87
Eom	56.34	56.32	56.27	56.36	56.42	56.44	56.51	56.57	56.68	56.73	56.81	56.87

1963

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	56.88	56.92	56.93	56.94	56.97	57.05	57.13	57.24	57.37	57.44	57.55	57.68
10	56.88	56.91	56.91	56.95	57.01	57.06	57.15	57.26	57.37	57.46	57.57	57.70
15	56.89	56.92	56.92	56.94	57.00	57.07	57.15	57.29	57.39	57.48	57.59	57.73
20	56.90	56.91	56.94	56.95	57.01	57.09	57.18	57.30	57.39	57.50	57.60	57.75
25	56.89	56.93	56.94	56.97	57.03	57.10	57.19	57.33	57.41	57.52	57.64	57.77
Eom	56.90	56.93	56.93	56.96	57.04	57.11	57.23	57.35	57.43	57.53	57.66	57.79

1964

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	57.81	57.94	58.07	58.15	58.20	58.24	58.32	58.42	59.04	58.89	58.98	59.10
10	57.83	57.98	58.08	58.15	58.22	58.24	58.35	58.45	59.08	58.89	58.99	59.12
15	57.87	58.03	58.09	58.16	58.24	58.27	58.36	58.46	59.00	58.90	59.01	59.13
20	57.89	58.05	58.12	58.19	58.22	58.28	58.37	58.41	58.94	58.92	59.04	59.16
25	57.90	58.06	58.12	58.19	58.21	58.29	58.37	58.69	58.91	58.93	59.05	59.16
Eom	57.93	58.06	58.14	58.20	58.23	58.30	58.41	58.65	58.89	58.95	59.07	59.19

1965

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	59.19	59.30	59.32	59.35	59.42	59.49	59.53	59.64	59.74	59.84	59.82	60.09
10	59.21	59.30	59.33	59.36	59.44	59.51	59.54	59.66	59.76	59.85	59.82	60.10
15	59.23	59.28	59.34	59.38	59.45	59.50	59.56	59.68	59.76	59.86	59.84	60.11
20	59.24	59.28	59.34	59.38	59.46	59.50	59.58	59.69	59.78	59.88	59.88	60.13
25	59.26	59.30	59.36	59.39	59.46	59.51	59.59	59.71	59.80	59.88	59.88	60.15
Eom	e59.28	59.30	59.35	59.41	59.45	59.52	59.63	59.72	59.82	59.82	e59.90	e60.06

e Estimated.

325658N1032000.1. Local number 16.37.11.111. H. J. Taylor. Formerly A. J. Birkshire. Drilled irrigation water-table well in Ogallala Formation of Pliocene age, diam 16 in, reported depth 118 ft, cased to 118. Lsd 3,900 ft above msl. MP top of 1-in hole in southwest side of pump, 1.34 ft above lsd. Highest water level 31.93 below lsd, Jan. 23, 1949 lowest 78.56 below lsd, Sept. 13, 1965. Records available: 1949-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1961	64.69	Sept. 8, 1961	675.79	Feb. 20, 1963	64.48	Sept. 15, 1964	(a)
Mar. 23	62.40	Jan. 22, 1962	64.30	Sept. 24	678.50	Feb. 12, 1965	70.18
June 1	69.09	Sept. 26	72.93	Feb. 12, 1964	66.47	Sept. 13	78.56

a Well being pumped.

b Well pumped recently.

324947N1033710.1. Local number 17.33.13.341. Potash Co. of America. Drilled observation water-table well in Ogallala Formation of Pliocene age, diam 6 in, depth 252 ft, cased to 252. Lsd 4,124 ft above msl. MP top of casing, 1.10 ft above lsd. Highest water level 146.00 below lsd, Jan. 21, 1953; lowest 159.72 below lsd, Sept. 13, 1965. Records available: 1952-65.

Equipped with recording gage.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1961	156.91	Jan. 16, 1962	157.64	Jan. 7, 1963	158.35	Jan. 16, 1964	k158.61
Mar. 27	156.74	Mar. 27	157.53	Mar. 4	158.46	July 1	k158.95
June 1	156.94	June 19	157.63	June 3	158.37	Feb. 10, 1965	159.30
Sept. 6	157.24	Sept. 24	158.33	Sept. 2	158.59	Sept. 13	159.72

k From recorder graph.

325132N1031125.1. Local number 17.38.7.111a. L. R. Seblings. Drilled irrigation water-table well in Ogallala Formation of Pliocene age, diam 16 in, reported depth 125 ft, cased. Lsd 3,740 ft above msl. MP top of concrete pumpbase, 0.95 ft above lsd. Highest water level 35.59 below lsd, Mar. 21, 1952; lowest 61.70 below lsd, Sept. 15, 1964. Records available: 1951-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1961	48.41	Jan. 23, 1962	49.21	Sept. 24, 1963	(a)	Feb. 12, 1965	53.83
June 6	48.78	Oct. 2	53.28	Feb. 11, 1964	51.16	Sept. 14	(a)
Sept. 8	51.04	Feb. 26, 1963	50.17	Sept. 15	61.70		

a Well being pumped.

c Nearby well being pumped.

324745N1030820.1. Local number 17.38.34.113. W. E. Busby. Drilled irrigation water-table well in Ogallala Formation of Pliocene age, diam 12 in, depth 125 ft, cased to 90. Lsd 3,660 ft above msl. MP top of 1-in hole in pumpbase, 0.54 ft above lsd. Highest water level 24.78 below lsd, Jan. 15, 1944; lowest 37.88 below lsd, Sept. 14, 1965. Records available: 1943-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3, 1961	32.74	Jan. 24, 1962	33.62	Feb. 25, 1963	34.99	Sept. 15, 1964	36.56
Mar. 24	32.87	Mar. 30	33.76	Mar. 4	34.99	Feb. 12, 1965	37.01
June 6	33.04	June 21	34.02	Feb. 11, 1964	35.44	Sept. 14	37.88
Sept. 8	33.23	Oct. 2	34.25				

Lincoln County

Hondo Valley

333015N1053822.1. Local number 9.13.25.113. M. W. Coll. 0.4 mi southwest of intersection of Magado Creek and State Highway 48. Drilled irrigation and domestic water-table well in alluvium, diam 8 in, depth 90 ft, cased to 40. Lsd about 6,750 ft above msl. MP top of casing, at lsd. Highest water level 18.04 below lsd, Nov. 26, 1955; lowest 35.72 below lsd, Sept. 25, 1956. Records available: 1955-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1961	27.73	May 1, 1962	28.18	Sept. 19, 1963	26.98	Jan. 28, 1965	28.75
Sept. 29	23.05	June 27	28.20	Jan. 8, 1964	27.50	Sept. 27	24.34
Jan. 4, 1962	22.47	Jan. 2, 1963	22.59	Sept. 23	26.92		

333242N1053407.1. Local number 9.14.10.132. Village of Capitan. East end of village on south side of U. S. Highway 380 in wooden shed. Drilled public-supply water-table well in Mancos Shale of Late Cretaceous age, diam 8 in, depth 324 ft (previously reported 1,261 ft), cased to 271. Lsd about 6,340 ft above msl. MP top of breather hole on west side of pumpbase, 1.00 ft above lsd. Highest water level 43.44 below lsd, Sept. 27, 1965; lowest 69.77 below lsd, Nov. 28, 1956. Records available: 1955-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1961	46.86	Jan. 4, 1962	46.38	Jan. 2, 1962	44.57	Sept. 23, 1964	44.70
May 3	46.76	May 1	46.56	Sept. 19	44.76	Jan. 28, 1965	(a)
July 28	47.06	June 27	46.30	Jan. 8, 1964	44.98	Sept. 27	43.44
Sept. 29	46.84	Sept. 14	45.28				

a Well being pumped.

333037N1053040.1. Local number 9.14.25.324. Fort Stanton. On north bank of Rio Bonito, at west end of Medical Center's buildings. Drilled unused water-table well in alluvium, diam 8 in, depth 45 ft, cased. Lsd about 6,210 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 11.55 below lsd, May 1, 1962; lowest 23.20 below lsd, Nov. 14, 1957. Records available: 1955-65. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1961	21.16	Jan. 3, 1962	21.45	Jan. 14, 1962	21.38	Jan. 8, 1964	21.03
May 3	21.48	May 1	11.55	Jan. 2, 1962	20.22	Sept. 23	22.05
July 28	21.58	June 27	17.25	Sept. 19	21.05	Jan. 28, 1965	22.45
Sept. 29	21.70						

332610N1051614.1. Local number 10.17.16.433. Wilbur McKnight. 5.4 mi north of U. S. Highway 70 at sheep corral in Chaves Canyon. Drilled stock water-table well in Hondo Sandstone Member of San Andres Limestone (previously reported Gloriaia Sandstone of Permian age), diam 8 in, depth 140 ft, casing information unavailable. Lsd 5,575 ft above msl (previously reported 5,540 ft). MP top of casing, 1.50 ft above lsd. Highest water level 121.57 below lsd, Jan. 26, 1956; lowest 123.52 below lsd, Jan. 27, 1965. Records available: 1955-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1961	123.97	Sept. 28, 1961	123.88	Sept. 14, 1962	124.05	Sept. 24, 1964	128.70
May 3	126.10	Jan. 8, 1962	124.03	Jan. 2, 1963	124.34	Jan. 27, 1965	126.52
July 28	126.30	May 1	124.70	Jan. 8, 1964	125.08		

332145N1053390.1. Local number 11.14.15.431. E. H. Fuchs. 0.1 mi west of Valley View Motel. Drilled unused water-table well in alluvium, diam 8 in, depth 90 ft, casing information unavailable. Lsd 6,200 ft above msl. MP top of east edge of 8-in casing, 1.00 ft above lsd. Highest water level 57.16 below lsd, Mar. 26, 1958; lowest 61.60 below lsd, May 20, 1958. Records available: 1955-65.

332145N1053330, 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1961	58.18	Jan. 4, 1962	57.63	Jan. 2, 1963	57.96	Sept. 23, 1964	58.08
May 2	57.69	May 1	57.24	Sept. 19	58.41	Jan. 27, 1965	57.94
July 27	58.34	June 25	58.14	Jan. 9, 1964	58.73	Sept. 27	58.34
Sept. 28	57.93	Sept. 13	60.50				

332240N1051517.1. Local number 11.17.10.211. H. M. Dow. 0.1 mi southwest of U. S. Highway 70. Drilled unused water-table well in alluvium, diam 7 in, depth 128 ft (previously reported 260 ft), cased to 128. Lsd 5,190 ft above msl. MP top of 5-in casing, at lsd. Highest water level 27.67 below lsd, Jan. 2, 1963; lowest 38.05 below lsd, Jan. 8, 1964. Records available: 1955-64. No measurement made in 1965.

Jan. 3, 1961	31.79	Sept. 28, 1961	c33.20	June 25, 1962	c31.29	Jan. 8, 1964	38.05
May 2	33.29	Jan. 3, 1962	30.13	Sept. 14	c29.85	Sept. 23	33.08
July 28	c34.15	May 1	30.35	Jan. 2, 1963	27.67		

c Nearly well being pumped.

332157N1050941.1. Local number 11.18.16.444. Lincoln County Livestock Co. Formerly B. G. Robinson. 0.4 mi south of Picacho bridge on east side of Casey Canyon Rd. Drilled domestic and stock water-table well in Yeso Formation of Early Permian age, diam 12 in, depth 125 ft, cased to 110. Lsd 5,010 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 50.99 below lsd, Jan. 8, 1964; lowest 60.18 below lsd, Jan. 15, 1959. Records available: 1955-65.

Jan. 3, 1961	56.14	Jan. 3, 1962	51.23	Jan. 2, 1963	a57.45	Sept. 24, 1964	57.23
May 3	56.50	May 1	52.45	Sept. 19	53.28	Jan. 27, 1965	58.44
July 28	58.10	Sept. 14	a56.65	Jan. 8, 1964	50.99	Sept. 27	55.52
Sept. 28	a59.70						

a Well being pumped.

332002N1050452.1. Local number 11.19.20.344. Lincoln County Livestock Co. Formerly Geo. Clements. 150 ft north of house on north side of U. S. Highway 70, 1.5 mi west of Riverside. Drilled domestic and stock water-table well in Yeso Formation of Early Permian age, diam 5 in, depth 160 ft, cased. Lsd 4,830 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 129.27 below lsd, May 1, 1962; lowest 142.10 below lsd, Sept. 19, 1963. Records available: 1955-65.

Jan. 3, 1961	134.54	May 1, 1962	129.27	Sept. 19, 1963	142.10	Jan. 28, 1965	132.60
Sept. 29	130.77	June 25	129.90	Jan. 8, 1964	135.82	Sept. 27	130.19
Jan. 3, 1962	131.53	Jan. 3, 1963	131.40	Sept. 24	(a)		

a Well being pumped.

331903N1045930.1. Local number 11.20.31.123. J. P. White. 0.3 mi west of Border Hills crossing of Rio Hondo. Drilled stock water-table well in Yeso Formation of Early Permian age, diam 6 in, depth 260 ft, cased to 260. Lsd 4,610 ft above msl. MP top of casing, 2.50 ft above lsd. Highest water level 136.89 below lsd, Oct. 12, 1955; lowest 148.17 below lsd, Jan. 8, 1962. Records available: 1955-64. No measurement made in 1965.

Jan. 20, 1961	143.55	Sept. 29, 1961	a146.40	June 27, 1962	a144.70	Sept. 19, 1963	145.97
May 3	a146.60	Jan. 8, 1962	148.17	Sept. 14	140.70	Jan. 8, 1964	146.32
July 28	144.77	May 1	a143.50	Jan. 3, 1963	140.92		

a Well being pumped.

Luna County

Mimbres Valley

323110N1072350.1. Local number 20.5.31.334. Jack Carter. Drilled irrigation water-table well in valley fill, diam 16 in, depth 421 ft, perforated 221-421. Lsd 4,486.6 above msl. MP bottom edge of hole in casing, 0.76 ft above lsd. Highest water level 54.69 below lsd, Jan. 19, 1959; lowest 61.97 below lsd, Jan. 5, 1965. Records available: 1959-65.

Jan. 19, 1959	54.69	Nov. 27, 1961	56.19	Jan. 11, 1963	57.09	Jan. 6, 1964	58.77
Jan. 5, 1960	54.94	Jan. 22, 1962	56.14	Aug. 5	a79.10	Jan. 5, 1965	61.97
Jan. 20, 1961	55.33	Aug. 18	59.76				

a Well being pumped.

322930N1072210.1. Local number 21.5.8.444. Jack Carter. Drilled irrigation water-table well in valley fill, diam 16 in, depth 435 ft, cased to 435. Lsd 4,530 ft above msl. MP hole in NE side of pump shell, 1.60 ft above lsd. Highest water level 102.06 below lsd, Jan. 17, 1962; lowest 107.37 below lsd, Jan. 5, 1965. Records available: 1961-65.

Nov. 27, 1961	103.20	Aug. 18, 1962	104.14	Aug. 5, 1963	b107.73	Jan. 5, 1965	107.37
Jan. 17, 1962	102.06	Jan. 11, 1963	102.99	Jan. 6, 1964	104.62	Aug. 9	a153.20
Apr. 12	102.77						

a Well being pumped.

b Well pumped recently.

321430N1073350.1. Local number 24.7.4.424. G. D. Hatfield. Drilled stock and domestic water-table well in valley fill, diam 10 in, depth 107 ft, cased to 107. Lsd information unavailable. MP top of casing, 1.00 ft above lsd. Highest water level 64.58 below lsd, Apr. 16, 1929; lowest 99.57 below lsd, Aug. 9, 1965. Records available: 1928-65.

Jan. 9, 1961	91.58	Nov. 21, 1961	93.25	Aug. 16, 1962	94.80	Aug. 6, 1964	96.84
Apr. 7	93.83	Jan. 16, 1962	91.47	Jan. 15, 1963	91.36	Jan. 13, 1965	93.33
Aug. 14	96.37	Apr. 6	92.10	Aug. 8	95.70	Aug. 9	99.57

321505N1073350.1. Local number 24.8.4.111. Foy Riley. Drilled unused water-table well in valley fill, diam 24 in, reported depth 100 ft, cased to 100. Lsd information unavailable. MP top of 2- to 4-in holding hasp, 2.78 ft above lsd. Highest water level 35.06 below lsd, May 6, 1941; lowest 66.57 below lsd, Oct. 10, 1964. No measurement made in 1965; well caved in, recording gage removed.

321505N1073350.1--Continued.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	60.03	59.80	59.60	60.12	60.57	.....	.....	.....	62.07	62.05	61.75	61.39
10	59.93	59.73	59.59	60.42	60.63	.....	.....	h61.91	62.17	61.97	61.74	61.31
15	59.95	59.68	59.64	60.45	60.76	.....	.....	.....	62.21	61.89	61.67	61.27
20	60.08	59.80	59.77	60.49	60.79	.....	.....	.....	62.08	61.85	61.59	e61.21
25	60.02	59.74	59.80	60.60	60.83	.....	.....	.....	62.04	61.84	61.53	61.14
Eom	59.89	59.67	59.98	60.60	.....	.....	.....	62.02	62.04	61.75	61.45	.....

1962

5	.....	.....	.....	60.93	61.66	62.27	62.83	62.38	63.49	63.17	62.56	.....
10	60.98	.....	.....	61.30	61.77	62.46	62.78	62.72	63.51	62.92	62.48	.....
15	.....	60.60	60.66	61.55	61.91	62.63	62.80	62.96	63.58	62.77	62.41	.....
20	.....	60.54	60.60	61.56	61.95	62.91	62.82	63.07	63.50	62.75	62.31	.....
25	.....	60.49	60.61	61.67	62.07	62.95	62.66	63.32	63.61	62.75	62.28	.....
Eom	.....	e60.48	60.71	61.61	62.13	62.88	62.49	63.57	63.37	62.69	.....	.....

1963

5	.....	.....	.....	62.58	62.97	63.90	64.21	64.74	64.94	64.90	64.00	.....
10	.....	.....	.....	62.77	63.03	63.95	64.22	64.76	64.91	64.63	64.91	.....
15	61.65	.....	.....	62.76	63.35	64.03	64.40	64.76	64.96	64.54	63.79	.....
20	.....	.....	.....	62.89	63.50	64.02	64.51	64.79	64.95	64.40	63.69	.....
25	.....	.....	62.02	62.99	63.70	64.14	64.58	64.90	64.97	64.23	.....	.....
Eom	.....	.....	62.19	62.94	63.90	64.14	64.78	64.96	65.00	64.08	.....	.....

1964

5	.....	63.05	63.54	64.14	64.34	65.26	65.67	.....	65.50	66.33	66.12	.....
10	.....	63.19	63.30	64.30	64.43	65.25	65.82	65.95	65.43	66.57	.....	.....
15	.....	.....	63.22	64.22	64.60	65.22	65.76	65.79	65.47	66.53	.....	.....
20	63.14	.....	63.27	64.19	64.94	65.22	65.76	65.80	65.57	66.48	.....	.....
25	63.09	.....	63.36	64.23	65.23	65.45	65.98	65.58	65.80	66.49	.....	.....
Eom	63.04	63.51	63.90	64.31	65.27	65.58	66.01	65.49	66.09	66.23	.....	.....

e Estimated.

h Tape measurement.

321352N1074939.1. Local number 24.10, 12, 431. Steve Hrna. Dug and drilled unused water-table well in valley fill, diam 36 to 12 in, reported depth 132 ft, cased. Lsd information unavailable. MP top of recorder-shelter shelf, 1.36 ft above lsd. Highest water level 77.61 below lsd, May 6-13, 1940; lowest 111.86 below lsd, Aug. 18, 1965. Records available: 1939-65.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	103.90	104.42	107.74	108.46	109.61	110.38	110.69	110.88	.....	.....	103.86
10	h103.52	103.94	106.38	107.60	109.58	109.78	110.56	110.75	110.33	107.94	.....	103.62
15	.....	104.32	107.30	107.63	108.30	109.83	110.58	110.82	109.27	107.97	104.84	103.46
20	103.43	104.09	107.33	107.48	108.84	.....	110.69	110.45	108.42	107.36	104.53	103.40
25	103.03	104.14	107.65	107.88	109.02	109.84	110.83	110.76	108.23	106.43	104.34	.....
Eom	102.69	104.46	107.75	108.05	109.20	110.11	110.97	110.87	108.08	105.83	104.04	103.34

1962

5	.....	102.75	.....	107.75	107.48	108.73	109.57	108.82	110.46	107.49	105.73	104.51
10	103.38	103.02	104.47	107.63	107.85	108.69	109.32	109.40	110.34	107.09	105.55	104.30
15	.....	e103.04	104.58	107.35	.....	108.91	109.55	109.48	110.10	106.86	105.25	104.23
20	102.58	.....	e105.50	107.12	108.15	109.21	109.87	e110.00	109.69	106.76	104.96	104.45
25	102.43	103.40	106.77	107.33	108.29	109.41	109.63	110.25	108.67	106.38	104.91	104.44
Eom	102.33	.....	107.60	106.93	108.36	109.61	108.66	110.41	107.94	106.04	104.57	104.23

1963

5	104.21	104.68	105.99	109.65	109.45	110.71	111.11	111.76	.....	110.18	108.43	106.88
10	104.22	104.90	106.38	109.62	109.95	110.65	111.13	111.77	111.29	109.61	108.19	106.54
15	104.61	104.45	107.42	109.43	110.20	110.00	111.29	111.67	111.34	109.26	107.77	106.81
20	104.80	104.35	108.38	109.27	110.40	109.76	111.50	111.49	110.97	109.11	107.45	106.98
25	104.72	105.11	109.01	109.01	.....	110.59	111.62	111.62	110.79	108.76	107.35	107.00
Eom	104.84	105.59	109.44	.....	110.70	110.95	111.72	111.63	110.54	108.40	107.16	.....

1964

5	106.05	106.29	108.55	108.87	109.54	110.96	109.12	108.94	108.91	105.80	104.73	104.88
10	105.85	107.02	108.99	109.77	109.91	109.84	109.03	108.87	109.01	105.77	104.31	104.84
15	105.72	107.25	109.08	109.68	109.70	109.56	108.91	108.72	108.55	105.68	104.20	104.73
20	105.67	107.46	108.88	109.76	109.62	109.23	108.90	108.10	108.08	105.32	104.90	104.95
25	106.24	108.00	109.42	109.57	110.02	109.17	108.99	108.18	107.41	105.09	104.73	104.48
Eom	106.62	108.11	109.05	109.54	110.39	109.13	108.94	108.75	106.94	104.90	104.65	104.35

1965

5	104.33	105.22	106.66	109.57	110.38	110.80	111.35	111.47	111.43	110.07	108.50	107.25
10	104.37	105.23	106.98	109.83	110.57	110.66	111.47	111.60	.....	109.76	108.31	107.01
15	104.29	104.84	107.41	109.91	110.73	110.67	111.60	111.83	.....	109.32	107.94	107.08
20	104.06	105.41	108.36	109.74	111.07	110.98	111.54	111.81	.....	109.03	107.69	107.22
25	104.12	106.41	108.79	110.12	111.28	111.12	111.56	111.68	110.33	108.71	107.39	107.08
Eom	104.61	106.15	109.26	110.35	110.92	111.26	111.57	111.64	110.17	108.53	107.26	106.89

e Estimated.

h Tape measurement.

321415N1075655.1. Local number 24.11, 14, 122. Charles Waldrop. Drilled irrigation water-table well in valley fill, diam 12 in, reported depth 210 ft, cased to 198. Lsd 4,405 ft above msl. MP top of 1-in hole in pumpbase, 0.80 ft above lsd. Highest water level 107.66 below lsd, Jan. 23, 1952; lowest 190.38 below lsd, May 11, 1956. Records available: 1951-65.

321415N1075655.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1961	150.68	Jan. 17, 1962	152.96	Jan. 16, 1963	154.83	Aug. 8	a229.20
Apr. 7	a203.60	Apr. 7	a206.0	Aug. 10	a239.20	Jan. 14, 1965	161.10
Aug. 14	a226.70	Aug. 15	a229.2	Jan. 15, 1964	158.05	Aug. 11	a241.40
Nov. 22	157.76						

a Well being pumped.

321015N1072605.1. Local number 25.6.2.111. C. W. Johnson, Jr. Drilled irrigation artesian well in valley fill, diam 16 in, depth 235 ft, perforated 180-235, gravel packed. Lsd information unavailable. MP top of casing, 1.30 ft above lsd. Highest water level 0.45 below lsd, Mar. 14, 1953; lowest 49.51 below lsd, Aug. 9, 1965. Records available: 1952-65.

Jan. 9, 1961	29.04	Jan. 17, 1962	28.07	Jan. 15, 1963	29.70	Aug. 6, 1964	42.20
Apr. 7	29.05	Apr. 6	28.97	Aug. 8	36.71	Jan. 13, 1965	30.68
Aug. 14	37.22	Aug. 16	38.63	Jan. 16, 1964	29.01	Aug. 9	49.51
Nov. 21	29.74						

320915N1072945.1. Local number 25.6.7.211. H. C. Telles. Drilled irrigation water-table well in valley fill, diam 16 in, depth 230 ft, cased to 230. Lsd information unavailable. MP top of casing, 0.50 ft above lsd. Highest water level 65.34 below lsd, Mar. 14, 1953; lowest 97.85 below lsd, May 20, 1954. Records available: 1953-65.

Jan. 6, 1961	82.17	Jan. 17, 1962	83.53	Jan. 15, 1963	83.83	Aug. 6, 1964	a126.70
Apr. 7	a133.24	Apr. 6	a132.1	Aug. 8	a114.80	Jan. 13, 1965	87.88
Aug. 14	92.19	Aug. 16	a130.83	Jan. 16, 1964	(a)	Aug. 9	a136.50
Nov. 21	85.31						

a Well being pumped.

320345N1074400.1. Local number 26.9.11.211. State of New Mexico. Dug and drilled unused water-table well in valley fill, diam 12 in, depth 80 ft, cased to 80. Lsd information unavailable. MP top of concrete well curb, at south side of well, at lsd. Highest water level 36.92 below lsd, Apr. 15, 1939; lowest dry, Aug. 9, 1963, Jan. 17, 1964. Records available: 1939-64.

Measurement discontinued.

Jan. 11, 1961	57.60	Nov. 22, 1961	58.89	Aug. 17, 1962	59.78	Aug. 9, 1963	(f)
Apr. 10	57.90	Jan. 19, 1962	59.12	Jan. 17, 1963	60.37	Jan. 17, 1964	(f)
Aug. 15	58.44	Apr. 7	59.31				

f Dry.

315525N1073745.1. Local number 27.8.35.122. Mrs. M. M. Gibson. Drilled irrigation water-table well in valley fill, diam 12 to 8 in, depth 550 ft, cased to 550, perforated 155-550. Lsd 4,070 ft above msl. MP top of casing, 1.40 ft above lsd. Highest water level 20.84 below lsd, Mar. 16, 1953; lowest 74.34 below lsd, Aug. 10, 1965. Records available: 1952-65.

Jan. 12, 1961	44.23	Jan. 20, 1962	45.77	Jan. 17, 1963	48.25	Aug. 7, 1964	(a)
Apr. 10	46.38	Apr. 7	50.92	Aug. 9	a198.60	Jan. 16, 1965	56.07
Aug. 15	62.89	Aug. 17	60.72	Jan. 16, 1964	52.98	Aug. 10	74.34
Nov. 22	49.25						

a Well being pumped.

315905N1074250.1. Local number 27.9.1.431. I. G. Burns. Formerly W. A. Prater. Drilled irrigation water-table well in valley fill, diam 16 in, depth 62 ft, cased to 62. Lsd 4,135 ft above msl. MP top edge of rectangular hole in pumpbase, 0.65 ft above lsd. Highest water level 30.61 below lsd, Jan. 19, 1954; lowest 41.68 below lsd, Sept. 14, 1964. Records available: 1952-65.

Jan. 12, 1961	33.64	Jan. 20, 1962	33.79	Jan. 17, 1963	34.09	Aug. 7, 1964	36.30
Apr. 10	a50.9	Apr. 7	34.15	Aug. 9	a49.95	Jan. 18, 1965	36.89
Aug. 15	a51.5	Aug. 17	a43.26	Jan. 17, 1964	34.37	Aug. 10	35.26
Nov. 22	33.88						

a Well being pumped.

314955N1073700.1. Local number 28.8.36.111. M. R. Hemley. Drilled irrigation artesian well in valley fill, diam 16 in, depth 270 ft, cased to 250, gravel packed, casing perforated. Lsd 4,020 ft above msl. MP top of casing at high point on northwest side of well, 0.80 ft above lsd. Highest water level 22.61 below lsd, Jan. 26, 1953; lowest 76.98 below lsd, Aug. 6, 1964. Records available: 1952-65.

Jan. 12, 1961	42.97	Jan. 22, 1962	43.69	Jan. 18, 1963	44.00	Aug. 6, 1964	76.98
Apr. 10	47.65	Apr. 7	45.00	Aug. 9	62.43	Jan. 15, 1965	50.67
Aug. 15	63.66	Aug. 17	63.02	Jan. 16, 1964	51.79	Aug. 10	70.81
Nov. 22	47.16						

Otero County

Tularosa-Alamogordo Area

330331N1060115.1. Local number 14.10.31.144. Luther Watson. Drilled irrigation water-table well in bolson deposits, diam 17 in, depth 230 ft, cased 16 to 14 in, 0-130. Lsd 4,450 ft above msl. MP top edge of 1-in hole in pumpbase, 0.70 ft above lsd. Highest water level 73.75 below lsd, Apr. 8, 1952; lowest 108.26 below lsd, Apr. 16, 1954. Records available: 1952-65.

Jan. 24, 1961	91.40	Jan. 8, 1962	93.87	Jan. 9, 1963	95.62	July 26, 1964	a146.10
Apr. 5	94.50	Apr. 10	b100.49	July 29	a131.50	Jan. 12, 1965	99.24
July 28	a144.30	July 20	a131.30	Jan. 13, 1964	97.82	July 13	(a)
Oct. 11	99.37	Oct. 3	(a)				

a Well being pumped.

b Well pumped recently.

324853N1055825.1. Local number 17.9.24.343. U. S. Air Force. About 0.75 mi west of Holloman Air Force Base pumping station. Drilled public-supply water-table well in bolson deposits, diam 10 in, depth 236 ft, cased to 236. Lsd 4,144 ft above msl. MP top of 1½-in pipe with screw plug at south side of concrete base, 2.10 ft above lsd. Highest water level 61.42 below lsd, Apr. 7, 1960; lowest 78.72 below lsd, Oct. 23, 1956. Records available: 1955-65.

324853N1055825.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1961	67.35	Jan. 8, 1962	67.33	Oct. 3, 1962	b82.28	Jan. 13, 1964	(a)
July 28	77.20	Apr. 10	77.15	Jan. 9, 1963	(a)	Jan. 12, 1965	70.94
Oct. 10	71.36	July 20	74.27	July 29	b70.63	July 13	72.28

a Well being pumped.

b Well pumped recently.

320125N1051255.1. Local number 26.17.21.333. Bryce Dugger. Drilled irrigation artesian well in Bone Spring Limestone of Permian age (Leonard Series), diam 15 in, depth 1,100 ft, cased. Lsd 3,765 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 182.52 below lsd, Feb. 14, 1956; lowest 204.02 below lsd, Sept. 16, 1964. Records available: 1956-65.

Jan. 19, 1961	190.18	Aug. 28, 1962	203.98	Jan. 27, 1964	194.01	Jan. 27, 1965	195.06
Aug. 19	202.40	Jan. 30, 1963	192.22	Sept. 16	204.02	Sept. 15	203.19
Jan. 29, 1962	190.92	Sept. 5	202.88				

320040N1050645.1. Local number 26.18.28.113. Frank Gentry. Drilled irrigation artesian well in Bone Spring Limestone of Permian age (Leonard Series), diam 18 in, depth 394 ft, cased to 333. Lsd 3,650 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 31.50 below lsd, Feb. 13, 1956; lowest 44.41 below lsd, Jan. 27, 1965. Records available: 1956-65.

Jan. 19, 1961	39.45	Jan. 30, 1963	41.32	Jan. 27, 1964	43.30	Jan. 27, 1965	44.41
Jan. 29, 1962	40.52	Sept. 5	(a)	Sept. 16	(a)	Sept. 15	b52.57

a Well being pumped.

b Well pumped recently.

Quay County

House Area

343930N1035350.1. Local number 5.29.17.133. W. W. Kuykendall. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 12 in, depth 57 ft, cased 35-57. Lsd 4,748 ft above msl. MP top edge of U.S. Geol. Survey marker in west edge of east 6- x 8-in cross-tie over well, at lsd. Highest water level 29.52 below lsd, Jan. 21, 1942; lowest 48.24 below lsd, Oct. 30-31, 1954. Records available: 1941-64. Recording gage removed November 1963. Well destroyed; measurement discontinued.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	46.15	....	45.50	45.23	44.96	b45.26	45.45	45.30	45.41	45.33	45.57	45.19
10	46.08	45.72	45.46	45.15	e44.98	45.27	45.42	....	45.38	45.46	45.49	45.14
15	45.99	45.66	45.39	45.13	45.01	....	45.41	45.32	....	45.59	45.42	46.09
20	45.92	45.61	e45.37	45.09	45.08	45.37	45.35	45.40	e45.34	45.60	45.36	45.05
25	....	45.33	45.30	45.01	45.17	....	45.35	45.43	....	45.61	45.32	45.01
Eom	45.83	45.51	45.25	44.96	45.24	....	45.33	45.43	45.28	45.56	45.24	44.97

1962

5	44.91	44.69	44.45	44.49	44.62	44.95	44.83	44.72	45.42	45.63	45.61	45.68
10	44.88	44.65	....	44.50	44.69	44.94	44.80	44.71	45.50	45.62	45.72	45.60
15	44.83	44.61	44.37	44.51	44.80	44.93	44.78	44.76	45.60	45.55	45.76	45.63
20	44.80	44.55	44.33	44.46	44.89	44.91	44.77	44.91	45.64	45.59	45.76	45.50
25	44.75	44.49	44.38	44.45	44.92	44.90	44.76	45.11	45.69	45.53	45.77	45.42
Eom	44.73	44.49	44.44	44.56	44.96	44.87	44.73	45.27	45.69	45.49	45.71	45.35

1963

5	45.31	44.88	44.59	44.34	44.75	45.22	45.12	45.64	45.01	....	h45.99	....
10	45.22	44.82	44.53	44.29	44.85	45.24	45.11	45.65	46.03	....	....	....
15	45.13	44.78	44.50	44.30	44.92	45.24	45.14	45.75	46.03	45.93	....	....
20	45.07	44.73	44.48	44.37	44.97	45.23	45.28	....	46.02	....	h46.01	....
25	....	44.68	44.43	44.49	45.02	45.21	45.37	45.86	46.01	45.91	....	....
Eom	44.93	44.64	44.36	44.67	45.12	45.16	45.47	45.95	45.99	46.02	....	....

1964

5	....	....	....	....	....	....	....	....	....	....	....	....
10	....	....	....	....	....	....	....	....	....	....	....	....
15	....	....	....	....	....	....	....	....	....	....	....	....
20	45.79	....	45.38	....	45.25	....	....	47.78	47.30	....	....	....
25	....	....	....	....	....	....	....	....	....	....	....	....
Eom	....	....	....	....	....	....	....	....	....	....	....	....

e Estimated.

h Tape measurement.

343810N1034630.1. Local number 5.30.15.331. W. C. and H. J. Lee. Drilled irrigation water-table well in Ogallala Formation of Pliocene age, diam 16 in, depth 75 ft, cased to 60. Lsd 4,640 ft above msl. MP top edge of 2-in hole in drum over well, 0.50 ft above lsd. Highest water level 34.76 below lsd, Mar. 25, 1946; lowest 50.91 below lsd, Sept. 18, 1956. Records available: 1944-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1961	43.20	Jan. 4, 1962	42.83	Sept. 20, 1962	(a)	Sept. 16, 1964	48.96
Mar. 16	44.18	Mar. 15	(a)	Jan. 21, 1963	45.20	Feb. 15, 1965	43.58
June 5	44.80	June 14	44.03	Jan. 17, 1964	46.90	Sept. 18	44.67
Sept. 14	45.06						

a Well being pumped.

344350N1035530.1. Local number 6.28.24.233. G. B. Irwin. Drilled irrigation water-table well in Ogallala Formation of Pliocene age, diam 16 in, reported depth 131 ft, cased 79-131. Lsd 4,790 ft above msl. MP top of 2-in opening in concrete base, 1.21 ft above lsd. Highest water level 77.97 below lsd, Mar. 27, 1944; lowest 97.74 below lsd, Sept. 16, 1964. Records available: 1944-65.

344350N1035530.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1961	88.09	Jan. 3, 1962	87.19	Jan. 21, 1963	88.06	Sept. 16, 1964	97.74
Mar. 13	91.35	Mar. 12	86.18	Sept. 9	95.89	Feb. 15, 1965	89.58
June 5	86.87	June 11	92.68	Jan. 23, 1964	89.65	Sept. 16	b100.66
Sept. 14	92.53	Sept. 17	b95.41				

b Well pumped recently.

Roosevelt County

Portales Valley

341555N1032530.1. Local number 1N.33.36.400c. Woodburn Bros. Drilled observation water-table well in valley fill, diam 8 in, depth 43 ft, cased to 40, perforated 8-40. Lsd 4,074 ft above msl. MP top of casing, 2.86 ft above lsd. Highest water level 7.88 below lsd, Apr. 9, 1953; lowest 20.18 below lsd, Sept. 14, 1965. Records available: 1953-65. Equipped with recording gage.

Jan. 17, 1961	15.71	Jan. 10, 1962	16.66	Jan. 16, 1963	17.64	Sept. 17, 1964	19.27
Mar. 16	15.72	Mar. 14	16.74	Sept. 6	18.32	Feb. 18, 1965	19.38
June 8	16.05	June 13	17.17	Jan. 14, 1964	18.38	Sept. 14	20.18
Sept. 13	16.56	Sept. 19	17.07				

341335N1033310.1. Local number 1.32.14.431. C. L. Littlefield. Formerly Robert Morrison. Drilled unused water-table well in valley fill, diam 12 in, depth 104 ft, cased to 85. Lsd information unavailable. MP lower edge of board cover over well, 1.14 ft below lsd. Highest water level 43.55 below lsd, Apr. 6, 1945; lowest 68.76 below lsd, Sept. 14, 1965. Records available: 1944-65.

Jan. 11, 1961	62.95	Jan. 10, 1962	63.42	Jan. 17, 1963	64.54	Sept. 17, 1964	66.78
Mar. 15	62.14	Mar. 15	62.74	Sept. 5	65.96	Feb. 18, 1965	67.44
June 7	64.02	June 12	64.55	Jan. 15, 1964	65.80	Sept. 14	68.76
Sept. 13	65.73	Sept. 19	65.99				

341201N1031932.1. Local number 1.34.25.211. J. B. H. Young. Drilled unused water-table well in valley fill, diam 12 in, reported depth 101 ft, cased to 100. Lsd 4,020 ft above msl. MP top of concrete base, at lsd. Highest water level 31.98 below lsd, May 16, 1933; lowest 78.39 below lsd, Sept. 14, 1965. Records available: 1931-65. Equipped with recording gage.

Jan. 8, 1961	69.23	Jan. 7, 1962	69.94	Jan. 22, 1963	71.46	Sept. 17, 1964	77.09
Mar. 15	68.57	Mar. 14	69.28	Sept. 6	75.07	Feb. 18, 1965	76.03
June 6	69.46	June 13	71.09	Jan. 8, 1964	73.55	Sept. 14	78.39
Sept. 12	71.52	Sept. 20	73.57				

341430N1031415.1. Local number 1.35.11.241. A. Hobbs Estate. Drilled unused water-table well in valley fill, diam 6 in, depth 51 ft, cased to 50. Lsd 4,047 ft above msl. MP top of casing, 3.25 ft above lsd. Highest water level 13.98 below lsd, Mar. 27, 1943; lowest 20.81 below lsd, Sept. 14, 1965. Records available: 1940-65.

Jan. 7, 1961	19.38	Jan. 5, 1962	19.72	Jan. 17, 1963	20.03	Sept. 17, 1964	20.44
Mar. 14	19.40	Mar. 15	19.66	Sept. 5	20.18	Feb. 19, 1965	20.51
June 6	19.50	June 12	19.85	Jan. 9, 1964	20.23	Sept. 14	20.81
Sept. 12	18.43	Sept. 18	19.92				

340950N1032030.1. Local number 2.34.2.233. Louisa Trout. Drilled unused water-table well in valley fill, diam 12 in, depth 89 ft, cased to 89. Lsd 4,019 ft above msl. MP top of casing, at lsd. Highest water level 32.71 below lsd, Mar. 6-15, 1942; lowest 83.66 below lsd, Oct. 30-31, 1962. Records available: 1931-63. Measurement discontinued.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	75.21	75.72	76.80	76.59	.....	75.82
10	75.62	75.20	76.37	76.59	.....	.....	75.77
15	b74.27	.....	.....	75.43	75.15	.....	76.42	.....	.....	75.60
20	e74.8	e74.5	e74.4	e75.1	.....	75.13	75.04	.....	76.55	e76.3	.....	75.58
25	75.10	75.08	76.58	76.74	.....	76.08	75.49
Eom	75.17	75.55	76.40	76.60	.....	75.93	75.45

1962

5	.....	75.14	74.93	74.90	76.55	78.12	78.82	.....	.....	78.10	77.37	77.18
10	75.39	75.09	74.89	75.13	76.72	78.33	79.03	.....	.....	77.91	77.68	77.19
15	75.24	75.10	74.74	75.36	77.12	78.60	78.63	.....	.....	77.89	77.69	77.10
20	75.18	75.01	74.74	75.34	77.28	78.43	78.88	e78.90	b78.91	77.73	77.33	77.10
25	75.12	74.94	74.78	75.87	b81.67	78.12	.....	.....	78.76	77.52	77.28	77.10
Eom	77.11	74.99	74.84	75.79	78.07	78.09	.....	.....	78.42	77.36	77.24	77.07

1963

5	77.39	76.98	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	77.24	77.23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	77.11	77.02	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	77.01	76.83	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	76.84	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	76.85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

e Estimated.

h Tape measurement.

340740N1031455.1. Local number 2.35.23.111. P. O. Dozier. Drilled irrigation water-table well in valley fill. Diam, depth and casing information unavailable. Lsd 3,963 ft above msl. MP top of concrete pumpbase, 1.50 ft above lsd. Highest water level 21.32 below lsd, Mar. 27, 1951; lowest 40.44 below lsd, Sept. 15, 1965. Records available: 1949-65.

340740N1031455.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1961	33.30	Jan. 6, 1962	32.25	Jan. 18, 1963	33.73	Sept. 17, 1964	39.03
Mar. 17	32.69	Mar. 14	32.28	Sept. 5	38.52	Mar. 3, 1965	35.67
June 7	35.08	June 13	36.63	Jan. 16, 1964	34.55	Sept. 15	40.44
Sept. 13	35.49	Sept. 19	36.73				

340635N1031045.1. Local number 2.36.28.113. C. E. Clark. Drilled irrigation water-table well in valley fill, diam 16 in, depth 120 ft, cased to 120, perforated 60-120. Lsd 3,927 ft above msl. MP top of $\frac{3}{4}$ -in hole in pumpbase, 1.30 ft above lsd, 165 ft above lsd. Highest water level 27.09 below lsd, Mar. 14, 1962; lowest 43.10 below lsd, Sept. 5, 1963. Records available: 1959-65.

Jan. 9, 1961	27.77	Mar. 14, 1962	27.09	Jan. 18, 1963	30.44	Sept. 17, 1964	38.90
June 7	37.96	June 13	(a)	Sept. 5	43.10	Mar. 4, 1965	36.90
Sept. 13	31.50	Sept. 19	39.19	Jan. 16, 1964	38.57	Sept. 14	(a)
Jan. 6, 1962	28.00						

a Well being pumped.

Causey-Lingo Area

335230N1030625.1. Local number 5.37.18.311a. E. E. Caviness. Drilled irrigation water-table well in undifferentiated Cretaceous rocks, diam 16 in, depth 170 ft, cased to 170. Lsd 4,051 ft above msl. MP top edge of $\frac{3}{4}$ -in hole in west side of pumpbase, 165 ft above lsd. Highest water level 129.65 below lsd, Jan. 17, 1957; lowest 137.62 below lsd, Oct. 3, 1932. Records available: 1956-58, 1960-63. No measurement made in 1959 or 1964-65.

July 24, 1956	131.73	Jan. 14, 1958	132.08	June 21, 1960	135.93	Sept. 27, 1961	135.79
Sept. 14	133.93	Mar. 20	131.25	Sept. 28	136.24	Jan. 31, 1962	135.35
Nov. 20	129.72	June 4	131.20	Jan. 11, 1961	135.18	Apr. 9	135.42
Jan. 17, 1957	129.65	Sept. 10	132.67	Apr. 5	134.75	Oct. 3	137.62
Mar. 11	a141.18	Jan. 17, 1960	134.23	June 29	135.57	Mar. 5, 1963	135.69
June 10	132.00	Mar. 25	b133.91				

a Well being pumped.

b Well pumped recently.

335655N1030320.1. Local number 6.38.21.233. C. C. Harvey. Drilled irrigation water-table well in undifferentiated Cretaceous rocks, diam 16 in, depth 140 ft, cased to 140, casing slotted 100-140. Lsd 3,927 ft above msl. MP top of 1-in hole in north side of pump, 2.10 ft above lsd. Highest water level 87.18 below lsd, Jan. 31, 1956; lowest 96.21 below lsd, Sept. 16, 1959. Records available: 1956-65.

Jan. 11, 1961	92.48	Sept. 27, 1961	90.82	Oct. 3, 1962	91.79	Feb. 19, 1964	91.77
Apr. 5	91.72	Jan. 31, 1962	89.15	Mar. 5, 1963	90.34	Mar. 10, 1965	93.60
June 29	91.31	June 29	91.45	Sept. 20	93.44	Oct. 27	95.33

Sandoval County

Albuquerque Area

351525N1063600.1. Local number 12.3E.22.232. Mrs. Engle. Drilled unused water-table well in Santa Fe Group of middle(?) Miocene to Pleistocene(?) age, diam 14 in, depth 84 ft, casing and lsd information unavailable. MP top north side of casing, 3.50 ft above lsd. Highest water level 34.05 below lsd, Sept. 19, Oct. 30, 1957; lowest 35.58 below lsd, Jan. 25, 1957. Records available: 1956-63. Measurement discontinued. Jan. 24, 1961, 34.88; Mar. 10, 35.09; July 6, 34.48; Oct. 6, 34.13; Jan. 30, 1962, 34.43; Mar. 22, 34.81; Jan. 15, 1963, 33.20 (measurement uncertain).

Santa Fe County

Estancia Valley

350525N1060250.1. Local number 10.8.13.133. W. R. Irby. Drilled irrigation water-table well in valley fill, diam unknown, reported depth 513 ft, casing information unavailable. Lsd 6,265 ft above msl. MP lower inside edge of hole in south side of casing, 0.45 ft above lsd. Highest water level 86.75 below lsd, Feb. 22, 1950; lowest 113.70 below lsd, Aug. 18, 1965. Records available: 1950-65.

Feb. 14, 1961	103.04	Feb. 9, 1962	99.43	Feb. 7, 1963	100.51	Aug. 11, 1964	(a)
June 7	107.18	Sept. 5	a150.35	Aug. 5	(a)	Feb. 5, 1965	102.27
Sept. 12	103.54	Dec. 6	99.93	Mar. 5, 1964	101.70	Aug. 18	113.70
Dec. 6	100.72						

a Well being pumped.

350340N1060050.1. Local number 10.9.29.130. Glen Terry. Drilled irrigation water-table well in Glorieta Sandstone of Permian age, diam 14 in, reported depth 200 ft, cased to 140. Lsd 6,240 ft above msl. MP top edge of 3-in pipe on north side of pump, 1.30 ft above lsd. Highest water level 55.13 below lsd, Feb. 18, 1949; lowest 90.15 below lsd, Aug. 18, 1965. Records available: 1949-65.

Feb. 14, 1961	68.72	Feb. 9, 1962	69.35	Feb. 7, 1963	70.75	Aug. 11, 1964	(a)
June 7	76.90	June 20	77.29	Aug. 5	a103.70	Feb. 5, 1965	83.70
Sept. 12	a75.80	Sept. 5	88.97	Mar. 5, 1964	71.82	Aug. 18	90.15
Dec. 6	70.52	Dec. 6	72.12				

a Well being pumped.

Santa Fe Area

353810N1060255.1. Local number 16.8.12.131. Santa Fe Country Club. Drilled unused water-table well in Ancha(?) Formation of late Pliocene or Pleistocene age and Tesuque(?) Formation of middle(?) Miocene to early Pliocene age, diam 5 in, depth 400 ft, cased. Lsd 6,420 ft above msl. MP top of 3/8-in hole in cover plate, 0.20 ft above lsd. Highest water level 257.42 below lsd, Aug. 17, 1965; lowest 271.97 below lsd, Jan. 9, 1959. Records available: 1951, 1953-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 6, 1961	259.35	Apr. 18, 1962	259.20	June 11, 1963	258.50	Aug. 17, 1964	257.99
Apr. 6	259.35	June 7	258.95	Aug. 15	258.59	Oct. 29	258.12
June 1	259.29	Aug. 8	258.90	Oct. 8	258.45	Feb. 5, 1965	257.87
Aug. 9	259.18	Oct. 17	258.84	Dec. 16	258.44	Apr. 29	258.00
Oct. 17	260.73	Dec. 11	258.79	Feb. 24, 1964	258.16	June 21	257.75
Dec. 19	259.34	Feb. 19, 1963	260.35	Apr. 28	258.09	Aug. 17	257.42
Feb. 15, 1962	259.00	Apr. 24	263.60	June 16	259.62	Oct. 27	258.69

354040N1055710.1. Local number 17.9.23.334. J. Hanson & Sons. Drilled unused water-table well in Tesuque(?) Formation of middle(?) Miocene to early Pliocene age, diam 7 in, depth 200 ft, cased. Lsd 6,880 ft above msl. MP top of recorder shelf, 3.84 ft above lsd. Highest water level 140.84 below lsd, June 15, 1959; lowest dry, Aug. 20, 1964, Feb. 5, 1965. Records available: 1959-65. Equipped with recorder.

Feb. 8, 1961	147.92	Feb. 15, 1962	147.03	Feb. 19, 1963	148.34	Dec. 16, 1963	147.98
Apr. 6	153.15	Apr. 18	146.18	Apr. 24	148.35	Feb. 24, 1964	151.78
June 1	155.55	June 7	145.16	June 11	147.44	Apr. 28	154.76
Aug. 9	151.10	Aug. 8	144.55	Aug. 15	146.75	Aug. 20	(f)
Oct. 17	149.19	Oct. 17	144.34	Oct. 8, 1963	148.89	Feb. 5, 1965	(f)
Dec. 13	148.30	Dec. 11	146.74				

f Dry.

Sierra County

Hot Springs Area

330800N1071450.1. Local number 6. Harry Dakos. Lot 4, block 8 in Truth or Consequences. Drilled unused artesian well in Magdalena Group of Pennsylvanian and Early Permian age, diam 7 in, depth 105 ft, casing information unavailable. Lsd 4,243.75 ft above msl. MP top of extended casing, 3.72 ft above lsd. Highest water level 1.66 above lsd, Dec. 24, 1941, June 27, 1958; lowest -1.77 below lsd, Sept. 5, 1964. Records available: 1940-65.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	0.00	+0.24	+0.55	+0.65	+0.62	+0.54	+0.57	+0.42	+0.18	-0.29	-0.40	-0.30
10	+0.03	.33	.63	.63	.61	.48	.53	.42	+0.17	.35	.32	.27
15	.02	.39	.65	.58	.61	.53	.47	.51	-.01	.34	.25	.26
20	.03	.44	.66	.61	.59	.53	.49	.51	.11	.35	.27	.31
25	-.03	.45	.69	.63	.56	.54	.45	.41	.20	.38	.30	.27
Eom	+0.03	.48	.69	.64	.56	.50	.44	.38	.25	.36	.30	.32

1962

5	-0.31	0.00	+0.37	+0.59	+0.75	+0.63	+0.66	+0.40	+0.23	-0.18	-0.26	-0.23
10	.32	+0.11	.43	.61	.76	.63	.64	.36	+0.01	.19	.31	.23
15	.28	.21	.45	.65	.75	.66	.51	.34	-.13	.22	.26	.26
20	.25	.25	.53	.69	.72	.61	.46	.31	-.22	.30	.32	.26
25	.20	.29	.53	.70	.66	.61	.49	.26	-.09	.33	.31	.24
Eom	-.26	.28	.54	.71	.67	.62	.52	.26	.00	.28	.26	.23

1963

5	-0.28	+0.05	+0.33	+0.60	+0.77	+0.52	+0.49	+0.44	+0.18	-0.37	-0.46	-0.44
10	.22	.24	.41	.66	.70	.48	.51	.43	+0.01	.39	.47	.39
15	.26	.23	.46	.73	.71	.42	.50	.44	-.14	.39	.47	.42
20	.23	.27	.45	.72	.68	.42	.42	.56	.21	.37	.46	.43
25	.22	.29	.44	.76	.62	.37	.44	.43	.29	.43	.44	.36
Eom	-.22	.34	.52	.77	.62	.36	.41	.33	.30	.43	.43	.43

1964

5	-0.39	-0.39	-0.41	-0.32	-0.46	-1.28	-1.60	-1.56	-1.77	-0.26	-0.55	-0.62
10	.44	.39	.40	.33	.51	1.30	....	1.53	1.66	.31	.50	.60
15	.46	.40	.32	.29	.59	1.28	1.55	1.53	1.68	.31	.50	.58
20	.43	.41	.22	.32	.85	1.36	1.56	1.57	1.50	.36	.56	.57
25	.47	.41	.14	.29	.88	1.42	1.59	1.58	1.40	.35	.53	.51
Eom	.45	.43	.38	.28	1.25	1.48	1.55	1.63	1.36	.40	.52	.54

1965

5	-0.54	-0.55	-0.47	....	0.00	+0.08	-0.04	-0.05	+0.34	-0.30	-0.88	-0.83
10	.55	.54	.26	+0.01	-.03	.15	.05	.34	.24	.32	.85	.79
15	.60	.57	.16	.01	.07	.24	.06	.36	+0.06	.23	.86	.79
20	.56	.55	-.12	.00	-.05	.28	.07	-.21	-.05	.92	.86	.80
25	.52	.56	....	+0.03	+0.01	+0.30	.08	+0.36	.23	.84	.81	.78
Eom	.52	.48	....	.00	.06	-.04	.11	.29	.28	.89	.86	.78

330800N1071450.2. Local number 6a. Harry Dakos. Lot 4, block 8 in Truth or Consequences. Dug unused water-table well in alluvium, diam 24 in, depth 6 ft, cased with 6-in plastic pipe. Lsd 4,240.71 ft above msl. MP base of recorder, 3.97 ft above lsd. Highest water level 1.37 above lsd, July 5, 8, 1960; lowest 2.75 below lsd, Oct. 27, 31, Nov. 3, 1956, Oct. 15, 1964. Records available: 1941-65.

330800N1071450.2--Continued.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	-1.40	-2.03	-1.69	-1.44	-1.48	-1.56	-1.48	-1.61	-1.83	-2.27	-2.37	-2.23
10	1.62	1.98	1.66	1.47	1.49	-1.61	1.54	1.63	+5.8	2.30	+7.4	2.24
15	1.79	1.89	-1.61	1.50	1.50	+1.13	1.57	.12	-1.85	2.33	.88	2.23
20	1.90	1.82	+1.25	1.48	1.52	-1.56	1.59	1.47	2.08	2.35	+9.4	2.23
25	1.99	1.78	-.13	1.47	1.54	1.57	1.61	1.60	2.18	2.35	-1.77	2.22
Eom	2.04	1.75	.61	1.47	1.55	1.59	1.62	1.64	2.22	2.35	-2.22	2.24

1962

5	-2.23	-1.99	-1.64	-1.46	-1.32	-1.46	-1.42	-1.56	-1.78	+0.87	-2.23	-1.16
10	2.22	1.87	1.59	1.44	1.31	1.48	1.43	1.68	-1.93	-1.93	2.27	2.09
15	2.20	1.78	1.56	1.41	1.34	1.47	1.55	1.71	+7.8	-2.15	2.25	2.19
20	-2.20	1.76	1.52	1.39	1.39	1.48	-1.59	1.73	....	....	2.27	1.14
25	+6.5	1.72	1.51	1.37	1.44	1.48	+7.0	1.77	-1.21	....	-2.27	2.13
Eom	-2.15	1.72	1.48	1.28	1.45	1.47	+9.2	1.77	+5.6	h2.14	+1.30	2.20

1963

5	-2.22	-1.95	-1.64	-1.46	-1.36	-1.63	-1.52	-1.40	-1.82	-2.37	-2.42	-2.39
10	2.20	1.77	1.58	1.40	1.40	1.67	+1.4	1.64	2.02	2.37	2.44	2.37
15	2.20	1.73	1.55	1.36	1.41	1.70	-1.62	-1.64	-2.17	-2.39	2.44	2.41
20	2.18	1.71	1.58	1.37	1.43	1.71	1.66	+1.21	+1.03	+9.3	2.43	2.42
25	2.15	1.68	1.54	1.35	1.51	1.75	1.68	-1.59	-2.22	-2.37	2.41	2.39
Eom	2.16	1.66	1.53	1.32	1.53	1.75	1.67	1.48	2.29	2.42	2.41	2.42

1964

5	-2.29	-2.22	-2.25	-2.04	-1.80	....	-2.03	-1.73	-1.86	-2.19	-2.35	-2.42
10	....	2.22	2.24	1.82	1.94	-2.25	2.04	1.97	-1.88	2.27	2.32	2.40
15	2.32	2.23	2.22	1.82	2.06	2.24	1.79	1.66	+8.2	2.75	2.32	2.40
20	2.26	2.23	2.08	1.82	2.12	2.23	1.85	1.52	-1.90	....	2.34	2.34
25	2.29	2.23	2.01	1.80	....	2.11	1.94	1.96	2.04	2.31	2.32	2.33
Eom	2.26	2.26	2.07	1.80	....	2.08	1.94	1.91	2.11	....	2.31	2.35

1965

5	-2.34	-2.34	-2.28	e-1.26	-1.22	-1.60	-1.32	-1.14	....	-2.20	-2.33	-2.28
10	2.36	2.34	2.20	1.24	1.18	1.52	1.27	1.58	....	2.23	2.32	1.10
15	2.38	2.34	2.12	1.23	1.16	1.46	1.25	1.36	....	2.27	2.30	2.23
20	2.36	2.34	2.08	1.26	1.15	1.44	....	1.33	-1.95	2.28	2.31	2.25
25	2.34	e2.32	2.02	1.25	1.21	1.38	....	1.41	2.07	2.30	2.28	1.57
Eom	2.35	2.30	e2.00	1.26	1.24	1.36	....	1.62	2.14	2.34	2.29	2.18

e Estimated.

h Tape measurement.

Rincon Valley

325350N1071755.1. Local number 16.5, 25.211. U. S. Government. Drilled unused water-table well in valley fill, diam 10 in, depth 32 ft, cased to 32. Lsd 4,050 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 11.30 below lsd, Apr. 17, 1947; lowest 27.78 below lsd, Jan. 6, 1958. Records available: 1946-48, 1957-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1961	22.09	July 19, 1962	22.38	Jan. 9, 1964	23.93	Jan. 4, 1965	24.27
July 24	23.58	Jan. 2, 1963	22.63	July 28	24.76	July 12	22.68
Jan. 2, 1962	23.80	July 25	23.70				

Taos County

Sunshine Valley

365655N1043540.1. Local number 18.73, 19.422. Spring Bros. Drilled unused water-table well in Santa Fe Group of middle(?) Miocene to Pleistocene(?) age, diam 16 in, depth 446 ft, cased to 446. Lsd 7,657 ft above msl. MP top of casing, 1.18 ft above lsd. Highest water level 193.95 below lsd, June 5, 1957; lowest 219.94 below lsd, Aug. 2, 1961. Records available: 1955-65.

Feb. 7, 1961	202.45	Feb. 20, 1962	202.75	Feb. 14, 1963	204.07	Aug. 18, 1964	203.99
May 9	201.99	May 22	(a)	Aug. 8	210.63	Mar. 30, 1965	203.42
Aug. 2	219.94	Aug. 21	(a)	Apr. 15, 1964	203.47	Aug. 10	(a)
Nov. 28	204.26						

a Well being pumped.

365610N1043755.1. Local number 18.74, 26.442. Top O' The World Farms, Inc. Drilled test hole water-table well in Santa Fe Group of middle(?) Miocene to Pleistocene(?) age, diam 2 in, depth 259 ft, cased to 256 (previously reported 259). Lsd 7,587 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 228.80 below lsd, May 6, 1958; lowest 238.45 below lsd, Aug. 8, 1963. Records available: 1955-63. Well destroyed; measurement discontinued.

Feb. 7, 1961	236.44	Nov. 28, 1961	237.50	Aug. 21, 1962	237.95	Feb. 14, 1963	238.05
May 9	236.75	Feb. 20, 1962	234.45	Nov. 28	238.15	Aug. 8	238.45
Aug. 2	236.58	May 22	237.19				

364910N1043830.1. Local number 30.12, 23.122. U. S. Army Corps of Engineers, Chille damsite. Drilled test hole water-table well in Santa Fe Group of middle(?) Miocene to Pleistocene(?) age, diam 2 in, depth 266 ft, cased to 266. Lsd 7,512 ft above msl. MP top of inner 2-in casing, 1.70 ft above lsd. Highest water level 167.12 below lsd, July 27, 1955; lowest 181.38 below lsd, Feb. 14, 1963. Records available: 1955-63. Measurement discontinued.

364910N1043830, 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 6, 1961	178.90	Aug. 1, 1961	179.58	Feb. 19, 1962	180.32	Aug. 20, 1962	181.00
May 8	179.30	Nov. 27	180.06	May 21	180.68	Feb. 14, 1963	181.38

Torrance County

Estancia Valley

343458N1060420, 1. Local number 4.8, 11, 433. F. D. Breedlove. Drilled unused water-table well in valley fill, diam 16 in, reported depth 180 ft, cased to 160. Lsd 6, 148 ft above msl. MP top of casing at high point on northwest side of well, 0.70 ft above lsd. Highest water level 82.93 below lsd, May 2, 1951; lowest 88.80 below lsd, Aug. 18, 1965. Records available: 1950-65.

Feb. 9, 1961	85.75	Feb. 6, 1962	86.27	Feb. 6, 1963	86.37	Aug. 10, 1964	87.65
June 6	86.25	June 19	87.13	Aug. 5	86.88	Feb. 4, 1965	87.20
Sept. 11	86.89	Sept. 4	86.83	Mar. 4, 1964	86.70	Aug. 18	88.80
Dec. 5	86.57	Dec. 5	86.55				

344016N1060647, 1. Local number 5.8, 8, 424. A. T. Austin. Drilled irrigation water-table well in valley fill, diam 20 in, reported depth 204 ft, cased to 98. Lsd 6, 214 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 62.03 below lsd, Mar. 23, 1948; lowest 93.52 below lsd, Aug. 10, 1964. Records available: 1948-65.

Feb. 10, 1961	84.60	Feb. 6, 1962	84.25	Feb. 6, 1963	85.53	Aug. 10, 1964	93.52
June 6	86.06	June 19	87.84	Aug. 5	86.04	Feb. 4, 1965	89.50
Sept. 11	88.71	Sept. 4	90.55	Mar. 4, 1964	86.25	Aug. 18	88.80
Dec. 5	85.85	Dec. 5	87.16				

a Well being pumped.

b Well pumped recently.

344234N1060749, 1. Local number 6.8, 32, 212. Revis Strong. Drilled irrigation water-table well in valley fill, diam 18 in, reported depth 204 ft, cased to 84. Lsd 6, 214 ft above msl. MP top of 1½-in hole in pumpbase, 0.04 ft above lsd. Highest water level 23.22 below lsd, Feb. 18, 1947; lowest 47.41 below lsd, Aug. 18, 1965. Records available: 1947-65.

Feb. 13, 1961	40.51	Feb. 7, 1962	41.08	Feb. 6, 1963	41.93	Aug. 10, 1964	(a)
June 6	(a)	June 19	42.57	Aug. 5	44.30	Feb. 4, 1965	44.86
Sept. 11	43.33	Sept. 4	43.68	Mar. 4, 1964	42.80	Aug. 18	47.41
Dec. 5	41.59	Dec. 5	42.45				

a Well being pumped.

344622N1055755, 1. Local number 6.9, 11, 211. R. O. Brown. Drilled irrigation water-table well in valley fill, diam 18 in, reported depth 148 ft, cased to 140. Lsd 6, 086 ft above msl. MP top of casing, 0.75 ft above lsd. Highest water level 5.07 below lsd, May 4, 1949; lowest 13.55 below lsd, May 7, 1956. Records available: 1949-65.

Feb. 13, 1961	8.05	Feb. 8, 1962	8.16	Feb. 7, 1963	8.98	Aug. 11, 1964	10.13
June 7	8.15	June 19	8.00	Aug. 5	8.42	Feb. 4, 1965	9.75
Sept. 11	7.90	Dec. 5	7.93	Mar. 4, 1964	7.55	Aug. 18	9.03
Dec. 5	8.08						

344815N1030500, 1. Local number 7.8, 27, 221. F. C. Pace. Drilled unused water-table well in valley fill, diam 6 in, depth 61 ft, cased to 15. Lsd 6, 185 ft above msl. MP top of recorder-shelter shelf, 3.70 ft above lsd. Highest water level 19.06 below lsd, May 7-10, 1947; lowest 44.12 below lsd, Sept. 27, 1962. Records available: 1941-65. Well caved in; measurement discontinued.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	42.33	43.63	42.23	.....	40.15	39.44
10	40.61	42.61	43.72	.....	.....	39.94	39.34
15	41.00	42.88	43.69	41.71	.....	39.81	.....
20	41.38	43.10	43.40	.....	40.49	.....	.....
25	41.77	43.36	43.03	.....	40.41	.....	.....
Eom	42.03	43.51	42.51	.....	40.18	.....	.....

1962

5	.....	.....	38.11	37.79	37.84	40.96	.....	.....	43.54	43.43	41.95	h41.07
10	.....	38.50	37.90	37.75	38.24	41.46	.....	.....	43.71	e43.07	41.79	.....
15	.....	.....	37.91	37.70	38.66	41.94	.....	.....	43.82	e42.81	.....	.....
20	.....	.....	37.93	37.58	39.17	.....	.....	.....	43.93	e42.62	.....	.....
25	.....	.....	37.94	37.58	39.78	.....	.....	.....	43.91	.....	.....	.....
Eom	.....	.....	37.88	37.65	40.43	.....	.....	.....	43.77	.....	.....	.....

1963

5	40.21	39.65	.....	.....	.....	.....	h43.20	43.72	43.18	.....	41.04
10	40.02	39.55	.....	38.99	.....	.....	43.36	.....	42.85	.....	40.89
15	40.00	.....	39.10	.....	.....	.....	43.38	.....	42.57	.....	40.88
20	39.93	.....	39.22	.....	.....	.....	43.47	.....	42.36	41.35	40.81
25	39.78	.....	39.17	.....	.....	.....	43.63	.....	42.16	41.28	40.62
Eom	39.71	.....	39.03	.....	.....	.....	43.71	.....	42.00	41.15	40.54

1964

5	.....	.....	39.72	39.45	39.14	39.08	41.86	43.10	43.92	43.10	42.29	41.70
10	.....	.....	39.71	.....	39.16	39.38	42.20	43.27	43.80	.....	42.14	41.58
15	.....	39.98	39.65	.....	39.11	39.70	42.36	43.44	43.65	42.98	42.05	41.48
20	.....	39.95	39.68	.....	39.10	40.20	42.42	43.53	43.54	42.76	41.96	41.48
25	.....	39.87	39.62	39.20	39.09	40.95	42.61	43.67	43.44	42.56	41.81	.....
Eom	.....	39.78	39.49	39.18	39.02	41.42	42.83	43.82	43.23	42.42	41.72	.....

34481N1030500, 1--Continued.

Highest water level for the day, from recorder graph, 1965

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5
10	h40.15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15
20
25
Eom

e Estimated.

h Tape measurement.

345231N1060436.1. Local number 8.8.35.322. A. C. Hibner. Drilled irrigation water-table well in valley fill(?), diam 16 in, reported depth 228 ft, cased to 110. Lsd 6,240 ft above msl. MP top of casing, 0.75 ft above lsd. Highest water level 50.12 below lsd, May 28, 1947; lowest 91.07 below lsd, Aug. 18, 1965. Records available: 1947-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14, 1961	82.68	Feb. 8, 1962	80.71	Feb. 7, 1963	81.95	Aug. 11, 1964	(a)
June 7	84.04	June 20	81.33	Aug. 5	82.31	Feb. 5, 1965	84.54
Sept. 12	86.26	Sept. 5	86.39	Mar. 5, 1964	82.37	Aug. 18	91.07
Dec. 6	83.64	Dec. 6	82.79				

a Well being pumped.

Union County

Capulin Basin

364430N1035955.1. Local number 29.28.18.341. City of Raton. 300 ft north of U. S. Highway 67-87 at Capulin. Drilled irrigation water-table well in cinders, diam 16 in, depth 78 ft, cased to 78. Lsd 6,821.2 ft above msl. MP edge of 2-in hole in west side of steel plate, at lsd (since Feb. 21, 1962). Highest water level 30.80 below lsd, Feb. 3, 1960; lowest 33.52 below lsd, Aug. 11, 1965. Records available: 1951, 1957-65.

Feb. 8, 1961	31.99	Aug. 22, 1962	32.08	Apr. 16, 1964	33.24	Mar. 31, 1965	32.76
May 3	32.27	Feb. 15, 1963	32.69	Aug. 19	32.14	Aug. 11	33.52
Feb. 21, 1962	32.51	Aug. 9	32.42				

Valencia County

Grants-Bluewater Area

350400N1075105.1. Local number 10.10.26.331. Monico Mirabal. Drilled irrigation water-table well in Glorieta Sandstone of Permian age, diam 16 in, depth 216 ft, cased to 216. Lsd 6,455 ft above msl. MP top of 2-in hole in pumpbase, 1.00 ft above lsd. Highest water level 22.18 below lsd, Feb. 21, 1952; lowest 29.62 below lsd, Aug. 12, 1964. Records available: 1952-65.

Feb. 16, 1961	27.83	Nov. 30, 1961	28.22	Aug. 14, 1962	28.99	Aug. 12, 1964	29.62
May 10	a40.40	Feb. 13, 1962	27.95	Feb. 5, 1963	23.73	Feb. 9, 1965	26.12
Aug. 8	29.31	May 15	(a)	Aug. 19	a49.53	Aug. 5	a44.50

a Well being pumped.

350925N1075230.1. Local number 11.10.27.241 (previously reported 242). City of Grants. Drilled industrial water-table well in San Andres Limestone of Permian age, diam 16 to 12 in, depth 158 ft, perforated to 58 (previously reported 50-158). Lsd 6,480 ft above msl. MP top of 1-in hole in pumpbase, 1.35 ft above lsd. Highest water level 19.86 below lsd, Feb. 20, 1953; lowest 38.42 below lsd, Aug. 8, 1961. Records available 1953-65.

Feb. 16, 1961	33.59	Feb. 13, 1962	36.22	Feb. 4, 1963	33.10	Aug. 12, 1964	31.64
May 11	33.58	May 15	36.44	Aug. 19	33.25	Feb. 9, 1965	28.25
Aug. 8	38.42	Aug. 15	36.52	Mar. 9, 1964	30.05	Aug. 5	29.31
Nov. 30	36.82						

351400N1075242.1. Local number 12.10.29.434. A. R. Card. Drilled unused artesian well in San Andres Limestone of Permian age, diam 18 in, reported depth 205 ft, cased 0-150, perforated 93-130. Lsd 6,552 ft above msl. MP lower edge of hole in north side of casing, 2.20 ft above lsd. Highest water level 65.46 below lsd, Oct. 14, 1944; lowest 100.74 below lsd, Nov. 3, 1959. Records available: 1944, 1946-65.

Feb. 15, 1961	98.85	Feb. 13, 1962	98.93	Feb. 4, 1963	98.84	Aug. 12, 1964	99.95
May 10	99.04	May 15	98.93	Aug. 19	98.81	Feb. 9, 1965	96.27
Aug. 8	98.95	Aug. 15	98.87	Mar. 9, 1964	100.03	Aug. 6	96.77
Nov. 30	99.10	Nov. 27	100.07				

351730N1075350.1. Local number 12.11.9.221. J. Church Co. Drilled unused water-table well in San Andres Limestone of Permian age, diam 18 in, depth 500 ft, cased to 500. Lsd 6,649 ft above msl. MP top of casing at low point, 2.22 ft above lsd. Highest water level 115.70 below lsd, Feb. 27, 1946; lowest 193.51 below lsd, June 30, 1957. Records available: 1946-65.

Highest water level for the day, from recorder graph, 1961

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	163.30	.....	.....	169.93	165.12	.....	178.28	175.67	e170.73	168.45
10	163.41	.....	h166.25	169.31	164.45	176.51	176.95	173.97	169.86	167.85
15	163.31	163.56	.....	167.89	169.42	167.00	.....	177.60	174.42	.....	167.55
20	163.25	163.68	.....	e169.95	169.75	.....	.....	176.59	172.37	.....	167.09
25	163.04	164.25	.....	170.67	169.32	.....	.....	175.97	e172.82	.....	166.80
Eom	162.86	164.42	.....	170.29	169.67	.....	178.76	176.41	171.77	168.94	166.61

351730N1075350.1--Continued.

Highest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	166.05	.....	166.65	.....	.....	157.42	.....	.....	151.98	150.97	152.00	.....
10	166.00	.....	166.65	.....	.....	156.95	.....	.....	151.45	151.28	152.14	.....
15	165.68	165.93	166.59	.....	158.93	.....	.....	153.74	151.20	151.36	152.18	.....
20	e165.26	156.23	166.15	.....	158.52	.....	.....	153.35	151.06	151.47	152.37	.....
25	165.43	166.48	165.85	.....	158.35	.....	.....	153.07	150.84	151.76	152.61	.....
Eom	.....	166.49	.....	.....	157.73	.....	.....	152.42	150.91	151.71	.....	.....

1963

5	.....	153.00	152.61	152.79	.....	154.55	154.73	.....	.....	.....	.....	.....
10	.....	152.64	152.37	152.80	h154.54	154.29	155.56	.....	.....	.....	.....	.....
15	.....	152.78	152.29	e152.71	154.91	154.26	156.52	.....	.....	.....	.....	.....
20	.....	152.74	152.66	e152.72	155.33	154.06	.....	.....	.....	.....	.....	.....
25	.....	152.68	152.73	.....	155.27	154.17	.....	.....	.....	.....	.....	.....
Eom	.....	152.60	152.72	.....	154.96	154.36	.....	.....	.....	.....	.....	.....

1964

5	.....	.....	.....	155.26	153.96	151.04	.....	149.62	149.89	149.33	149.85	.....
10	.....	.....	.....	155.18	153.86	150.34	.....	.....	149.76	.....	.....	.....
15	.....	.....	.....	155.18	153.65	149.97	.....	149.26	149.42	149.28	.....	.....
20	.....	.....	.....	154.78	153.32	149.58	.....	149.56	149.14	149.49	.....	.....
25	.....	.....	155.22	154.47	152.62	149.36	149.40	149.10	149.06	149.61	.....	.....
Eom	.....	.....	155.45	154.30	151.75	.....	149.57	149.44	.....	149.78	.....	.....

1965

5	.....	.....	.....	.....	.....	152.00	151.62	150.70	149.80	149.72	150.13	150.28
10	.....	h150.63	.....	.....	.....	152.88	151.40	150.75	149.77	149.83	150.10	150.00
15	.....	.....	.....	.....	.....	152.52	151.24	150.64	149.64	149.71	150.15	149.75
20	.....	.....	.....	.....	.....	152.43	151.08	150.46	149.54	149.92	150.17	h150.24
25	.....	.....	.....	.....	.....	152.00	151.04	150.19	149.55	h150.02	150.08	150.18
Eom	.....	.....	.....	.....	.....	151.85	150.82	149.94	149.68	150.17	150.20	150.15

e Estimated.

h Tape measurement.

351650N1075350.1. Local number 12.11.9.424. George Rowley. Drilled unused artesian well in San Andres Limestone of Permian age and Yeso Formation of Early Permian age, diam 16 in, reported depth 505 ft, cased 16-in to 175, 12-in to 325. Lsd 6,642 ft above msl. MP top of casing, 3.05 ft above lsd. Highest water level 93.75 below lsd, May 10, 1946; lowest 139.05 below lsd, Aug. 1, 1957. Records available: 1946-65.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1961	127.78	Feb. 12, 1962	129.90	Feb. 4, 1963	124.22	Aug. 12, 1964	121.22
May 10	127.95	May 14	126.24	Aug. 19	124.40	Feb. 9, 1965	125.40
Aug. 8	131.24	Aug. 14	125.69	Mar. 10, 1964	124.92	Aug. 5	121.59
Nov. 30	130.38	Nov. 26	124.65				

351610N1075145.1. Local number 12.11.14.213. Duane Berryhill. Drilled unused water-table in alluvium of Quaternary age, diam 4 in, depth 130 ft, surface casing 5 ft. Lsd 6,605.4 ft above msl. MP top of 4-in downspout, 2.95 ft above lsd. Highest water level 87.85 below lsd, May 4, 1959; lowest 101.39 below lsd, June 10, 1954. Records available: 1949-65.

Feb. 15, 1961	89.00	Feb. 12, 1962	89.72	Feb. 4, 1963	90.38	Aug. 12, 1964	91.30
May 11	89.19	May 14	90.29	Aug. 20	90.79	Feb. 9, 1965	91.03
Aug. 7	89.37	Aug. 14	90.35	Mar. 9, 1964	91.05	Aug. 5	88.09
Nov. 29	89.45	Nov. 26	90.20				

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