

Ground-Water Levels in the United States, 1966-70

Southwestern States

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 2010

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



UNITED STATES DEPARTMENT OF THE INTERIOR

ROGERS C. B. MORTON, *Secretary*

GEOLOGICAL SURVEY

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Library of Congress catalog-card No. GS 63-260

**For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402 - Price 50 cents (paper cover)
Stock Number 2401-2152**

PREFACE

This report was prepared by the U.S. Geological Survey in co-operation with the States of Arizona, California, Hawaii, Nevada, and New Mexico, and with other agencies, by personnel of the Water Resources Division, E. L. Hendricks, chief hydrologist, G. W. Whetstone, assistant chief for Scientific Publications and Data Management, under the general direction of G. A. Billingsley, chief, Reports Section, and B. A. Anderson, chief, Data Reports Unit.

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GROUND-WATER LEVELS IN THE UNITED STATES 1966-70

SOUTHWESTERN STATES

INTRODUCTION

Publication of ground-water level data for the United States in water-supply papers was begun by the Geological Survey in 1935. From 1935 through 1939, a single water-supply paper for each year covering the entire nation was issued (Water-Supply Papers 777, 817, 840, 845, and 886). Since then water-supply papers have been issued covering 6 separate sections of the United States as shown in figure 1. See table on page 2 for the number of the water-supply paper containing records by year and section.

Beginning in 1956, only water-level data from a basic network of observation wells has been published. This basic network contains 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.

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 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 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.

Measurements are made in many types of wells, under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will insure that measurements at each well are 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 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. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. 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, 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 by the Water Resources Division of the Geological Survey under the direction of personnel listed in the preface.

Numbers of water-supply papers containing records of water levels
in the United States, 1940-70

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	986	987	988	989	990	991
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	....	....	....

Numbers of water-supply papers containing records of water levels
in the United States, 1940-70--Continued

Year	North- eastern (1)	South- eastern (2)	North- central (3)	South- central (4)	North- western (5)	South- western (6)
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
1962-66	.....	.....	1976	.....	.....	.....
1963-67	1977	.....	.....	.....	.....	.....
1964-68	.....	1978	.....	.....	.....	.....
1965-69	.....	.....	.....	1979	.....	.....
1966-70	.....	.....	.....	.....	1980	2010



Figure 1. Map of the United States showing States for which records of water levels are published in this volume.

ARIZONA

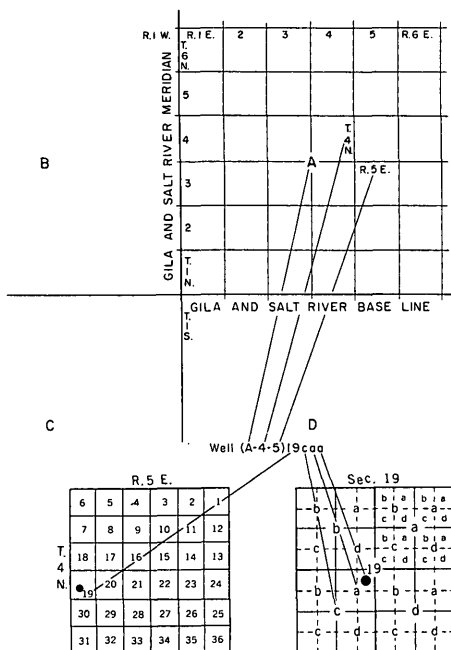
The observation-well program in Arizona was continued from 1966 through 1970; it is an integral part of the statewide water-resources investigations. The program was started in 1939, and a cooperative agreement was put into effect between the U.S. Geological Survey, Ground Water Branch, and the State 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.

Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local 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. In the example shown, well number (A-4-5)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. 5 E. 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

343018N1092353.1 (revised). Local number (A-13-28)29bcd. Formerly (A-13-28)29ca. E. L. Johns. Drilled domestic water-table well in gravel, diam 12 in, depth 50 ft, cased to 50. Lsd 5,800 ft (previously reported 5,775 ft) above msl. MP top of casing, 2.10 ft above lsd. Highest water level 7.40 below lsd, March 1967; lowest 30.9 below lsd May 3, 1956. Records available: 1944-58, 1960-70. Apr. 14, 1966, 11.65; Nov. 17, 8.70; March 1967, 7.40; Feb. 6, 1968, 11.70; Apr. 16, 1969, 8.1; Mar. 19, 1970, 8.0.

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, 2.00 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, 1967-70. No measurement made in 1966. Feb. 10, 1967, 132.9 (well being pumped); Feb. 26, 1968, 134.9; Feb. 25, 1969, 134.1; Jan. 12, 1970, 132.6.

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, 3.50 ft above lsd. Highest water level 29.1 below lsd, Apr. 16, 1968; lowest 49.8 below lsd, May 28, 1954. Records available: 1949-70. Mar. 18, 1966, 29.8; Mar. 15, 1967, 30.3; Apr. 16, 1968, 29.3; Mar. 19, 1969, 31.9; Jan. 14, 1970, 35.9.

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, 1.70 ft above lsd. Highest water level 29.7 below lsd, May 13, 1942; lowest 130.7 below lsd, Aug. 31, 1962. Records available: 1942, 1944-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1966	115.3	Apr. 24, 1967	122.3	July 25, 1968	120.4	Oct. 23, 1969	117.3
Feb. 18	120.4	May 24	122.9	Aug. 22	121.4	Nov. 24	117.0
Mar. 23	115.4	June 27	127.2	September	120.8	Dec. 22	116.1
Apr. 21	117.8	July 24	119.7	Oct. 22	118.4	Jan. 26, 1970	114.9
May 23	118.9	Aug. 29	121.1	Nov. 21	118.2	Feb. 19	114.9
June 21	121.2	Sept. 27	122.3	Dec. 23	114.8	Mar. 24	114.8
July 25	124.0	Oct. 24	117.2	Jan. 29, 1969	113.9	Apr. 23	121.9
Aug. 23	121.8	Nov. 28	116.9	Feb. 27	113.1	May 21	123.4
Sept. 22	118.7	Dec. 26	113.9	Mar. 27	113.5	June 23	124.8
Oct. 26	117.0	Jan. 29, 1968	111.6	Apr. 23	118.8	July 28	122.5
Nov. 28	117.3	Feb. 20	110.3	May 21	119.5	Aug. 26	122.7
Dec. 21	117.7	Mar. 25	110.6	June 24	121.0	Sept. 23	121.4
Jan. 25, 1967	114.6	Apr. 23	117.4	July 24	119.9	Oct. 26	120.3
Feb. 23	115.0	May 23	121.0	Aug. 25	120.7	Nov. 24	119.7
Mar. 23	117.5	June 20	122.6	Sept. 29	120.8	Dec. 29	119.6

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, 0.20 ft above lsd. Highest water level 9.5 below lsd, May 2, 1941; lowest 188.1 below lsd, Jan. 12, 1970. Records available: 1941-42, 1944, 1946-47, 1949-52, 1954-57, 1959-70. Feb. 2, 1966, 163.5; Feb. 10, 1967, 168.3; Feb. 26, 1968, 172.5; Feb. 26, 1969, 174.3; Jan. 12, 1970, 188.1.

321556N1091326.1. Local number (D-13-31)30cdc. Elmer Franklin. Drilled domestic water-table well in sand and gravel, diam 4 in, depth 77 ft (previously reported as 72 ft), casing information not available. Lsd about 3,610 ft above msl. MP top of 4- x 4-in pipe clamp, 1.70 ft above lsd. Highest water level 58.7 below lsd, Nov. 2, 1949; lowest 72.8 below lsd, Feb. 26, 1968. Records available: 1940-42, 1944, 1946-57, 1959-64, 1967-70. No measurement made in 1966. Feb. 8, 1967, 71.4; Feb. 26, 1968, 72.8; Feb. 27, 1969, 72.4; Jan. 13, 1970, 69.3.

321323N1095217.1. Local number (D-14-24)14bba2. Lakeside Bar. Drilled domestic water-table well in alluvial fill, diam 8 in, depth and casing information not available. Lsd about 4,167 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 9.0 below lsd, Feb. 6, 1963; lowest 22.3 below lsd, Jan. 31, 1967. Records available: 1963-69. No measurement made in 1970. Replaces well (D-14-25)6cac. Feb. 6, 1963, 9.0; Feb. 4, 1964, 22.0; Feb. 10, 1965, 21.7; Feb. 2, 1966, 21.8; Jan. 31, 1967, 22.3; Feb. 21, 1968, 21.7; Feb. 20, 1969, 21.6.

321115N1095552.1. Local number (D-14-24)30dba. Fay Proctor (previously reported Fay Proctor). Drilled stock water-table well in alluvial fill, diam 6 in, depth and casing information not available. Lsd about 4,187 ft above msl. MP top of wooden clamp, 2.20 ft above lsd. Highest water level 16.0 below lsd, Oct. 21, 1955; lowest 31.9 below lsd, Jan. 8, 1970. Records available: 1942, 1944-57, 1963-70. Feb. 2, 1966, 29.2; Jan. 31, 1967, 29.1; Feb. 21, 1968, 27.3; Feb. 20, 1969, 30.0; Jan. 8, 1970, 31.9.

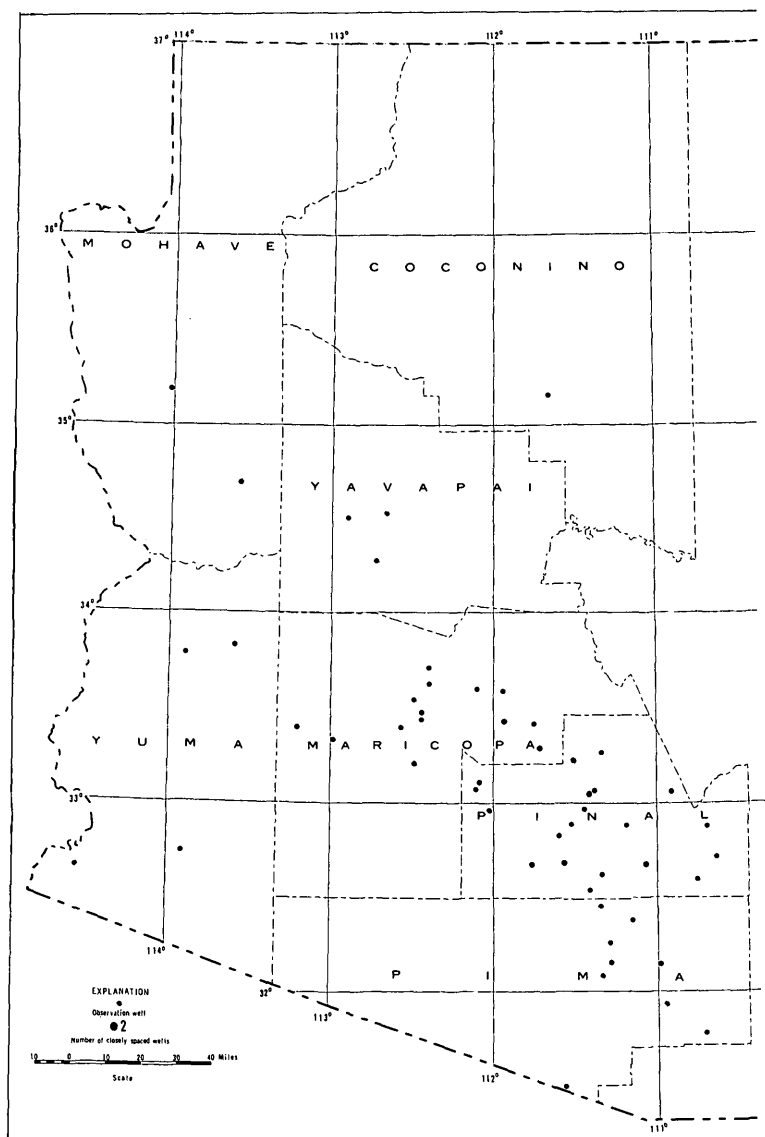
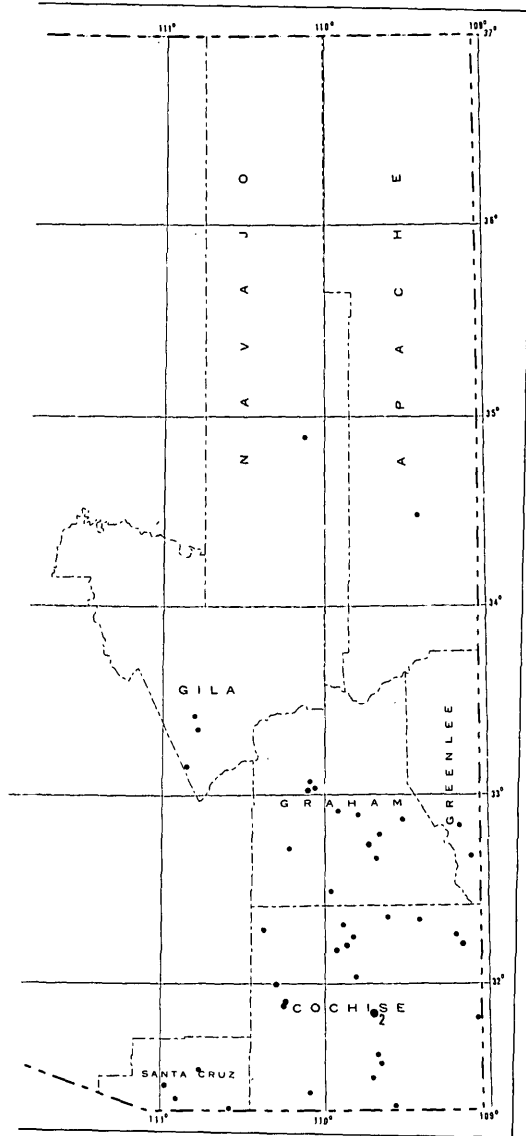


Figure 2.--Location of observation



wells in Arizona, 1966-70.

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, 0.20 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, 1963-66. Well destroyed; measurement discontinued. Replaced by well (D-14-24)14bba2. Feb. 2, 1966, 22.5.

321229N1091005.1. Local number (D-14-31)15cdd. 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 pumpbase, 2.50 ft above lsd. Highest water level 4.1 below lsd, Feb. 2, 1955; lowest 80.8 below lsd, Feb. 26, 1968. Records available: 1955-57, 1959-69. No measurement made in 1970. Feb. 1, 1966, 48.5; Feb. 8, 1967, 78.3; Feb. 26, 1968, 80.8; Feb. 28, 1969, 52.7.

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, 1.50 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, 1944-68. Well destroyed; measurement discontinued. Mar. 18, 1966, 77.7; Mar. 13, 1967, 77.7; Mar. 18, 1968, 75.8.

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, 1.20 ft above lsd. Highest water level 27.0 below lsd, Feb. 16, 1969; lowest 43.6 below lsd, Dec. 19, 1957. Records available: 1942, 1944-57, 1959-70. Feb. 3, 1966, 28.9; Feb. 7, 1967, 27.2; Feb. 20, 1968, 31.8; Feb. 18, 1969, 27.0; Jan. 6, 1970, 27.3.

315500N1101322.1. Local number (D-17-21)32bab. 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 above msl. MP top of casing, 1.30 ft above lsd. Highest water level 16.9 below lsd, Dec. 9, 1946; lowest 45.9 below lsd, Mar. 21, 1966. Records available: 1944-70. Mar. 21, 1966, 45.9; Mar. 15, 1967, 28.6; Mar. 25, 1968, 29.9; Mar. 14, 1969, 25.8; Jan. 12, 1970, 25.6.

315471N1101400.1. Local number (D-18-21)6aaa2. Formerly (D-18-21)6aaa. Smith. Drilled domestic water-table well in sand and gravel, diam 4 in, depth 60 ft, cased 0-60. Lsd about 3,620 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 25.6 below lsd, Mar. 30, 1946; lowest 39.7 below lsd, Mar. 28, 1954. Records available: 1944-58, 1960-70. Mar. 21, 1966, 28.1; Mar. 15, 1967, 27.7; Apr. 1, 1968, 28.8; Mar. 13, 1969, 30.6; Jan. 12, 1970, 28.8.

315045N1094143.1. Local number (D-18-26)28aaa1. Formerly (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, 1.70 ft above lsd. Highest water level 70.6 below lsd, Dec. 21, 1949; lowest 103.7 below lsd, Feb. 16, 1967. Records available: 1946-68. Measurement discontinued; replaced by well (D-18-26)28aaa2. Feb. 8, 1966, 99.0; Feb. 16, 1967, 103.7; Feb. 22, 1968, 101.8.

315042N1094143.1. Local number (D-18-26)28aaa2. Frank Geers. Drilled irrigation water-table well in sand and gravel, diam 16 in, depth 390 ft, casing information not available. Lsd about 4,268 ft above msl. MP hole in east side of pumpbase, 1.10 ft above lsd. Highest water level 89.0 below lsd, Feb. 11, 1965; lowest 116.5 below lsd, Jan. 21, 1970. Records available: 1965-70. Replaces well (D-18-26)28aaa1. Feb. 11, 1965, 89.0; Feb. 8, 1966, 98.0; Jan. 4, 1967, 103.3; Feb. 16, 1968, 102.4; Mar. 4, 1969, 116.2; Jan. 21, 1970, 116.5.

314911N1090500.1. Local number (D-18-32)33bca. Darnell. Drilled unused water-table well in alluvial fill, diam 14 in, reported depth 200 ft, casing information not available. Lsd about 4,250 ft above msl. MP hole in steel plate, 1.00 ft above lsd. Highest water level 107.1 below lsd, Mar. 20, 1951; lowest dry, 1970. Records available: 1950-51, 1953-57, 1959-64, 1967-68. No measurement made in 1966, 1969-70. Feb. 9, 1967, 152.6; Feb. 27, 1968, 145.3.

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, 3.00 ft above lsd. Highest water level 36.6 below lsd, Aug. 26, 1947; lowest 91.4 below lsd, June 23, 1970. Records available: 1947-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1966	71.7	Apr. 24, 1967	76.5	July 25, 1968	81.3	Oct. 23, 1969	87.7
Feb. 18	71.2	May 26	78.1	Aug. 22	82.5	Nov. 24	88.2
Mar. 24	70.6	June 27	79.5	Sept. 24	84.6	Dec. 22	86.0
Apr. 21	71.9	July 27	80.1	Oct. 22	84.1	Jan. 26, 1970	84.5
May 23	73.2	Aug. 29	80.0	Nov. 22	82.6	Feb. 19	85.3
June 21	74.5	Sept. 25	82.5	Dec. 23	82.4	Mar. 25	85.4
July 25	76.4	Oct. 24	80.7	Jan. 29, 1969	82.5	Apr. 23	87.0
Aug. 23	76.8	Nov. 28	79.6	Feb. 25	82.4	May 21	89.4
Sept. 22	77.0	Dec. 26	78.3	Mar. 27	83.2	June 23	91.4
Oct. 26	76.1	Jan. 29, 1968	77.5	Apr. 24	85.1	July 28	91.2
Nov. 28	75.6	Feb. 20	77.2	May 21	85.9	Aug. 26	90.8
Dec. 21	75.2	Mar. 25	77.0	June 24	87.3	Sept. 23	90.3
Jan. 25, 1967	74.6	Apr. 24	78.6	July 24	88.2	Oct. 26	90.2
Feb. 23	74.9	May 25	80.4	Aug. 25	87.3	Nov. 24	91.0
Mar. 23	75.0	June 20	81.0	Sept. 29	87.5	Dec. 29	89.9

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, 2.00 ft above lsd. Highest water level 112.0 below lsd, Jan. 31, 1946; lowest 161.3 below lsd, Feb. 20, 1968. Records available: 1946-58, 1960-62, 1964-70. Feb. 16, 1966, 155.0; Jan. 6, 1967, 161.5 (well being pumped); Feb. 9, 162.0 (well being pumped); Feb. 20, 1968, 161.3; Mar. 5, 1969, 159.8; Jan. 13, 1970, 160.3.

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, 1.20 ft above lsd. Highest water level 26.4 below lsd, July 25, 1946; lowest 56.0 below lsd, Mar. 6, 1969. Records available: 1946-47, 1949-51, 1953-70. Feb. 14, 1966, 47.9; Jan. 4, 1967, 47.5; Feb. 7, 50.8; Feb. 21, 1968, 49.5; Mar. 6, 1969, 56.0; Jan. 12, 1970, 51.0.

312250N1100639.1. Local number (D-23-22)33dcd2. Formerly (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, 3.40 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, 1966-70. Mar. 21, 1966, 14.6; Mar. 14, 1967, 14.8; Mar. 7, 1968, 12.7; Mar. 19, 1969, 14.2; Jan. 15, 1970, 14.2.

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 4,000.2 ft (previously reported about 3,996 ft) above msl. MP top of 2- x 12-in board, 1.00 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, 1959-70. Feb. 15, 1966, 65.7; Feb. 6, 1967, 65.4; Feb. 21, 1968, 66.1; Mar. 6, 1969, 65.0; Jan. 12, 1970, 66.0.

Coconino County

350924N1114401.1. Local number (A-21-6)35cba. Formerly (A-21-6)35cbd. City of Flagstaff. Drilled municipal water-table well in Coconino Sandstone of Permian age, diam 16 in, depth 1,600 ft, casing information not available. Lsd 7,136.7 ft above msl. MP top of 3/4-in pipe, 1.00 ft above lsd. Highest water level 1,221 below lsd, Apr. 13, 1970; lowest 1,241.2 below lsd, May 8, 1964. Records available: 1954-56, 1958, 1960, 1962-64, 1966-70. Mar. 16, 1966, 1,236.0; Jan. 9, 1967, 1,237.0; Feb. 9, 1968, 1,229.2; May 2, 1969, 1,238; Apr. 13, 1970, 1,221.

Gila County

332659N1104932.1. 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, 2.00 ft above lsd. Highest water level 29.4 below lsd, Mar. 10, 1969; lowest 95.9 below lsd, Feb. 10, 1959. Records available: 1945-69. No measurement made in 1970. Apr. 1, 1966, 29.5; Mar. 1, 1967, 77.4; Feb. 9, 1968, 40.1; Mar. 10, 1969, 29.4.

332055N1104555.1 (revised). Local number (D-1-15)13bda. Formerly (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, 0.20 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, 1959-70. Apr. 1, 1966, 7.3; Mar. 1, 1967, 8.8; Feb. 9, 1968, 6.7; Mar. 10, 1969, 7.4; Feb. 16, 1970, 17.0.

330858N1104951.1 (revised). Local number (D-3-15)29aba. Formerly (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. 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: 1952-70. Mar. 29, 1966, 94.3; Feb. 28, 1967, 93.7; Apr. 3, 1968, 83.3; Mar. 26, 1969, 86.1; Jan. 26, 1970, 88.2.

Graham County

330505N1100228.1. Local number (D-4-22)13acd. Formerly (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 pumpbase, 1.80 ft above lsd. Highest water level 10.1 below lsd, Jan. 25, 1966; lowest 29.0 below lsd, Aug. 31, 1953. Records available: 1953-70.

Date	Water level
Jan. 25, 1966	10.1
Apr. 12	10.4
July 19	14.8

Date	Water level
Oct. 25, 1966	13.5
Apr. 17, 1967	14.6
Apr. 18	15.4

Date	Water level
July 25, 1967	16.5
Oct. 24	14.6
Mar. 13, 1968	8.9

Date	Water level
Mar. 3, 1969	14.1
Feb. 10, 1970	16.4

330239N1100311.1 (revised). Local number (D-4-22)35ada. 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, 2.00 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, 1946-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1966	28.2	Oct. 25, 1966	26.4	July 25, 1967	a24.8	Mar. 3, 1969	31.5
Apr. 12	28.1	Jan. 17, 1967	a25.4	Oct. 24	24.7	Feb. 10, 1970	21.4
July 19	26.0	Apr. 18	23.2	Mar. 13, 1968	23.6		

a Well being pumped.

300323N1100013.1. Local number (D-4-23)29adc. T. D. Motes. Drilled irrigation water-table well in sand and gravel, diam 16 in, depth 75 ft (previously reported 83 ft), cased to 75, perforated 53-73. Lsd 2,705.7 ft above msl. MP hole in pumpbase, 0.90 ft above lsd. Highest water level 43.3 below lsd, Feb. 28, 1969; lowest 63.2 below lsd, Feb. 15, 1948. Records available: 1940-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1966	44.7	Oct. 25, 1966	46.6	July 25, 1967	52.4	Feb. 28, 1969	43.3
Apr. 12	44.2	Jan. 17, 1967	45.6	Oct. 24	48.2	Feb. 10, 1970	45.1
July 19	48.8	Apr. 18	49.9	Mar. 13, 1968	43.9		

325633N1095438.1. Local number (D-6-24)5aca. Formerly (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, 1.50 ft above lsd. Highest water level 37.7 below lsd, Mar. 13, 1968; lowest 57.7 below lsd, June 28, 1955. Records available: 1940-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1966	39.6	Oct. 25, 1966	40.2	July 25, 1967	43.4	Feb. 27, 1969	38.2
Apr. 12	38.4	Jan. 17, 1967	39.8	Oct. 24	40.9	Feb. 9, 1970	39.6
July 19	40.0	Apr. 18	40.6	Mar. 13, 1968	37.7		

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, 0.30 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, 1952-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1966	13.1	Oct. 25, 1966	15.0	July 25, 1967	16.2	Feb. 27, 1969	12.9
Apr. 12	12.2	Jan. 17, 1967	14.5	Oct. 24	13.8	Feb. 9, 1970	13.0
July 19	17.1	Apr. 18	15.8	Mar. 13, 1968	10.9		

325224N1093050.1. Local number (D-6-28)31aab. J. W. Irvin. Drilled unused water-table well in Gila Conglomerate of Pliocene and Pleistocene age, 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. Highest water level 20.5 below lsd, Apr. 26, 1968; lowest 43.1 below lsd, Jan. 7, 1957. Records available: 1951-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1966	30.0	Apr. 24, 1967	26.3	July 29, 1968	26.4	Oct. 29, 1969	38.4
Feb. 21	27.7	May 22	29.2	Aug. 27	23.3	Nov. 24	36.4
Mar. 21	23.8	June 26	33.6	Sept. 26	26.0	Dec. 29	35.2
Apr. 18	24.1	July 24	36.2	Oct. 29	27.7	Jan. 27, 1970	33.7
May 23	22.8	Aug. 21	29.2	November	24.8	Feb. 24	34.0
June 20	22.1	Sept. 25	26.7	Dec. 27	24.6	Mar. 27	33.1
July 18	23.4	Oct. 23	25.5	Jan. 29, 1969	24.2	Apr. 23	32.8
Aug. 22	28.8	November	27.2	Feb. 26	23.9	May 26	34.2
Sept. 19	29.6	December	25.4	Mar. 28	25.3	June 24	36.3
Oct. 24	26.1	Jan. 30, 1968	23.8	Apr. 25	24.5	July 29	39.5
Nov. 21	25.7	Feb. 27	21.5	May 26	27.9	Aug. 27	39.3
Dec. 26	25.8	Mar. 28	21.5	June 24	29.2	Sept. 28	42.3
Jan. 23, 1967	24.8	Apr. 26	20.5	July 25	32.1	Oct. 28	38.6
Feb. 20	26.1	May 28	21.5	Aug. 27	37.3	Nov. 24	35.5
Mar. 20	26.3	June 26	23.9	Sept. 25	36.2	Dec. 29	37.0

324849N1094035.1. Local number (D-7-26)22bab. Formerly (D-7-26)bab. 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, 0.50 ft above lsd. Highest water level 20.3 below lsd, May 25, 1942; lowest 68.2 below lsd, July 1, 1957. Records available: 1940-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1966	37.1	Oct. 24, 1966	29.7	July 24, 1967	38.9	Feb. 26, 1969	24.1
Apr. 11	31.4	Jan. 16, 1967	27.1	Oct. 23	29.3	Feb. 10, 1970	27.8
July 18	(a)	Apr. 17	(a)	Feb. 19, 1968	27.1		

a Well being pumped.

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 3,880 ft above msl. MP hole in north side of pumpbase, 1.50 ft above lsd. Highest water level 28.4 below lsd, Apr. 23, 1968; lowest 43.1 below lsd, Dec. 18, 1957. Records available: 1955-57, 1959-62, 1964-69. No measurement made in 1970. Feb. 3, 1966, 30.9; Feb. 2, 1967, 33.6; Apr. 23, 1968, 28.4; Apr. 8, 1969, 33.1.

32450N1094414.1. 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. Highest water level 55.6 below lsd, Mar. 13, 1950; lowest 139.2 below lsd, July 31, 1967. Records available: 1950-67, 1969-70. No measurement made in 1968.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1966	70.3	Oct. 25, 1966	(a)	Jan. 16, 1967	75.0	Mar. 11, 1969	78.3
Apr. 18	65.4	Oct. 24	78.2	July 31	139.2	Feb. 6, 1970	84.2

a Well being pumped.

324115N1094148.1. Local number (D-8-26)33cdc. Formerly (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, 1.40 ft above lsd. Highest water level 17.0 below lsd, Mar. 13, 1950; lowest 69.0 below lsd, Apr. 17, 1957. Records available: 1950-70.

Date	Water level
Jan. 24, 1966	36.5
Apr. 18	48.7
July 25	39.8

Date	Water level
Oct. 24, 1966	42.8
Jan. 16, 1967	33.6
Apr. 17	69.0

Date	Water level
July 31, 1967	45.6
Oct. 23	54.1
Feb. 25, 1968	32.4

Date	Water level
Mar. 10, 1969	31.4
Feb. 6, 1970	34.9

323127N1095747.1. 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, 1.80 ft above lsd. Highest water level 224.1 below lsd, Feb. 5, 1963; lowest 275.3 below lsd, Jan. 6, 1970. Records available: 1946, 1949-57, 1959-70. Feb. 2, 1966, 252.9; Feb. 1, 1967, 260.7; Feb. 20, 1968, 262.6; Feb. 18, 1969, 269.4; Jan. 6, 1970, 275.3.

Greenlee County

325114N1091058.1. Local number (D-7-31)4bcc. Barney and Frazier. Formerly J. C. Meritt. 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, 0.60 ft above lsd. Highest water level 21.9 below lsd, Feb. 19, 1968; lowest 41.0 below lsd, Aug. 8, 1956. Records available: 1939-43, 1945-70.

Date	Water level
Jan. 17, 1966	25.0
Apr. 11	(a)
July 18	(a)

Date	Water level
Oct. 26, 1966	27.9
Jan. 19, 1967	26.3
Apr. 24	32.5

Date	Water level
July 24, 1967	(a)
Oct. 28	26.3
Feb. 19, 1968	21.9

Date	Water level
Mar. 10, 1969	26.8
Feb. 17, 1970	25.9

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, 0.50 ft above lsd. Highest water level 21.0 below lsd, Feb. 17, 1970; lowest 38.6 below lsd, Aug. 27, 1951. Records available: 1939-70.

Date	Water level
Jan. 17, 1966	23.0
Apr. 11	23.6
July 18	23.3

Date	Water level
Oct. 26, 1966	22.6
Jan. 19, 1967	23.7
Apr. 24	24.0

Date	Water level
July 24, 1967	24.2
Oct. 28	22.9
Feb. 19, 1968	23.3

Date	Water level
Mar. 10, 1969	21.9
Feb. 17, 1970	21.0

Maricopa County

332427N1115633.1. 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, 1956-67. Well destroyed; measurement discontinued. Jan. 25, 1966, 69.5; Jan. 5, 1967, 55.5.

332448N1114212.1. Local number (A-1-6)23daa. New Hope. Drilled domestic water-table well in sand and gravel, diam unknown, depth 600 ft (previously reported 408 ft), cased 0-328. Lsd 1,375.7 ft above msl. MP top of pumpbase, 0.50 ft above lsd. Highest water level 229.2 below lsd, Mar. 19, 1946; lowest 483.5 below lsd, Feb. 5, 1968. Records available: 1946, 1948-64, 1966-70. Mar. 3, 1966, 470.1; Jan. 17, 1967, 481.6; Feb. 5, 1968, 483.5; Jan. 10, 1969, 474.1; Feb. 4, 1970, 464.6.

333824N1115458.1. Local number (A-3-4)2baal. Formerly (A-3-4)2bad. George L. Ellis. Drilled unused water-table well in alluvium, diam 20 to 12 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: 1952-66, 1968. No measurement made in 1967, 1969. Measurement discontinued in 1970. Feb. 1, 1966, 301.7; Dec. 28, 303.9; Jan. 22, 1968, 306.2.

333916N1120557.1. Local number (A-4-2)36aaa. Turf Paradise, Inc. (previously reported 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 509.3 below lsd, Jan. 28, 1970. Records available: 1948, 1954-55, 1957-61, 1963-64, 1966-70. Feb. 2, 1966, 493.3; Feb. 18, 1967, 485.9; Jan. 10, 1968, 500.4; Jan. 27, 1969, 503.0; Jan. 28, 1970, 509.3.

332725N1122533.1. Local number (B-1-2)1cbb. Goodyear Farms. Drilled unused water-table well in sand and gravel, diam 26 in, depth 315 ft, cased to 315, perforated 110-290. Lsd about 1,004 ft above msl. MP top of casing, at lsd. Highest water level 130.2 below lsd, Dec. 1, 1961; lowest 150.3 below lsd, Aug. 22, 1969. Records available: 1961-70. Replaces well (B-1-2)13adc.

Date	Water level	Date	Water level
Dec. 1, 1961	130.2	July 10, 1962	136.4
18	130.9	Aug. 9	137.0
Jan. 17, 1962	132.6	21	137.5
Feb. 17	130.8	28	137.3
Mar. 16	132.9	Sept. 7	137.5
Apr. 13	133.2	Oct. 5	137.4
May 11	133.6	Nov. 5	136.4
June. 8	134.8	Dec. 4	135.6

Date	Water level	Date	Water level
Jan. 4, 1963	136.5	Aug. 28, 1963	139.2
Feb. 5	136.9	Sept. 25	139.9
Mar. 5	138.0	Oct. 23	138.0
Apr. 2	139.5	Nov. 19	136.9
May 1	139.1	Dec. 16	135.7
June 4	139.3	Jan. 13, 1964	135.2
July 1	139.6	Feb. 11	135.7
31	139.9	Mar. 11	135.3

332725N1122533.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 6, 1964	137.2	Sept. 21, 1965	146.1	July 24, 1967	147.1	Apr. 25, 1969	149.2
13	137.2	Oct. 22	145.4	Aug. 24	147.8	May 26	149.7
16	137.0	Nov. 20	145.1	Sept. 25	147.8	June 25	149.8
20	137.3	Dec. 21	144.7	Oct. 25	147.5	July 25	149.9
May 7	137.5	Jan. 21, 1966	144.0	Nov. 27	146.8	Aug. 22	150.3
June 5	138.1	Feb. 22	144.7	Dec. 26	146.5	Sept. 24	149.6
July 2	138.7	Mar. 22	145.1	Jan. 26, 1968	146.6	Oct. 24	148.7
20	138.9	Apr. 21	145.9	Feb. 26	146.4	Nov. 26	147.4
Aug. 21	138.7	May 21	146.6	Mar. 26	147.6	Dec. 26	146.8
Sept. 16	139.7	June 21	147.1	Apr. 24	145.8	Jan. 26, 1970	146.5
Oct. 23	139.4	July 19	147.2	May 27	147.9	Feb. 26	146.2
Nov. 20	138.9	Aug. 17	147.6	June 27	147.8	Mar. 26	146.4
Dec. 22	139.0	Sept. 21	147.5	July 24	149.0	Apr. 24	147.6
Jan. 21, 1965	138.7	Oct. 25	146.1	Aug. 27	149.6	May 26	147.8
Feb. 22	139.4	Nov. 23	145.2	Sept. 25	149.9	June 24	148.1
Mar. 22	140.3	Dec. 22	144.7	Oct. 24	149.0	July 27	149.0
Apr. 23	141.6	Jan. 19, 1967	145.1	Nov. 26	149.4	Aug. 28	149.2
May 20	142.3	Feb. 23	143.9	Dec. 23	147.7	Sept. 25	148.1
June 21	143.3	Mar. 21	145.0	Jan. 24, 1969	147.4	Oct. 27	147.7
July 21	144.3	Apr. 20	145.4	Feb. 25	147.0	Nov. 24	146.8
Aug. 20	145.2	May 22	146.2	Mar. 25	148.6	Dec. 22	146.7
		June 22	146.7				

332541N1122448.1. Local number (B-1-2)13adc. Roosevelt Irrigation District. Drilled unused 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 92.9 below lsd, Feb. 8, 1967. Records available: 1928-31, 1934-41, 1944-45, 1947-68. Measurement discontinued; replaced by well (B-1-2)1cbb. Jan. 21, 1966, 90.35; Feb. 8, 1967, 92.9; Jan. 10, 1968, 83.6.

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 81.8 below lsd, Jan. 21, 1966. Records available: 1928-58, 1960, 1963-67, 1970. No measurement made in 1968-69. Jan. 21, 1966, 81.8; Feb. 8, 1967, 78.1; Jan. 23, 1970, 63.3.

332446N1131143.1. Local number (B-1-9)21bcc1. 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 349.5 below lsd, Jan. 29, 1970. Records available: 1952, 1957, 1959-63, 1965-66, 1968-70. No measurement made in 1967. Nov. 30, 1966, 305.9; Jan. 8, 1968, 322.1; Jan. 28, 1969, 333.9; Jan. 29, 1970, 349.5.

333227N1122806.1. Local number (B-2-2)4deb. Maricopa County Municipal Water Conservation District No. 1. Drilled unused water-table well in sand and gravel, diam 20 in, depth 480 ft (previously reported 500 ft), perforated 204-480. Lsd about 1,205 ft above msl. MP top of 20-in casing, 1.00 ft above lsd. Highest water level 183.7 below lsd, May 17, 1940; lowest 338.8 below lsd, Jan. 29, 1970. Records available: 1940-42, 1946-70. Feb. 5, 1966, 327.9; Jan. 30, 1967, 331.2; Jan. 19, 1968, 334.2; Feb. 11, 1969, 335.5; Jan. 29, 1970, 338.8.

333715N1122300.1. Local number (B-3-1)8abb. Westside Farms, Inc. Drilled irrigation water-table well in sand and gravel, diam 20 in, reported depth 1,200 ft (previously reported 800 ft), perforated 200-800. Lsd 1,217.4 ft above msl. MP at pumpbase, at lsd. Highest water level 246.1 below lsd, Jan. 29, 1952; lowest 402.5 below lsd, Jan. 29, 1970. Records available: 1951-58, 1962-63, 1965-66, 1968-70. No measurement made in 1967. Jan. 29, 1966, 366.1; Jan. 18, 1968, 386.4; Feb. 11, 1969, 377.9; Jan. 29, 1970, 402.5.

334230N1122230.1. Local number (B-4-1)9bcd. 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, 4.00 ft above lsd. Highest water level 180.0 below lsd, Nov. 28, 1938; lowest 341.4 below lsd, Jan. 26, 1970. Records available: 1938, 1940-42, 1944, 1946-66, 1968-70. No measurement made in 1967. Jan. 25, 1966, 331.3; Jan. 29, 1968, 336.2; Feb. 25, 1969, 336.8; Jan. 26, 1970, 341.4.

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 164-254. Lsd 948.9 ft above msl. MP top of casing, 0.30 ft above lsd. Highest water level 178.2 below lsd, Mar. 4, 1949; lowest 216.4 below lsd, Jan. 14, 1970. Records available: 1949-70. Mar. 10, 1966, 208.0; Mar. 2, 1967, 211.0; Jan. 26, 1968, 212.6; Mar. 5, 1969, 215.1; Jan. 14, 1970, 216.4.

331257N1122737.1. Local number (C-2-2)27ccc. M.B.M. Farms, Inc. Drilled irrigation water-table well in alluvium, bottomed in volcanics, diam 20 to 16 in, depth 940 ft, cased 0-895, perforated 295-895, open hole 895-940. Lsd about 1,135 ft above msl. MP on pumpbase, 0.60 ft above lsd. Highest water level 260.2 below lsd, Feb. 18, 1954; lowest 367.5 below lsd, Jan. 28, 1970. Records available: 1954-56, 1959-61, 1963-70. Jan. 14, 1966, 333.7; Apr. 4, 1967, 338.1; Jan. 11, 1968, 337.2; Jan. 20, 1969, 353.8; Jan. 28, 1970, 367.5.

331817N1114051.1. Local number (D-1-7)31bacl. Formerly (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 below lsd, June 28, 1960. Records available: 1954-70.

Date	Water level
Jan. 20, 1966	201.4
Feb. 21	200.1
Mar. 21	203.1
Apr. 20	206.5
May 20	207.5
June 20	208.4
July 19	209.3
Aug. 18	210.6
September	208.8
Oct. 21	205.8
Nov. 23	204.0

Date	Water level
Dec. 21, 1966	202.6
Jan. 20, 1967	203.5
Feb. 21	204.1
Mar. 21	207.1
Apr. 21	207.4
May 23	207.7
June 23	208.6
July 25	208.8
Aug. 28	209.1
Sept. 26	208.2

Date	Water level
Oct. 25, 1967	205.2
Nov. 27	203.9
Dec. 26	202.4
Jan. 26, 1968	201.0
Feb. 26	201.9
Mar. 26	201.6
Apr. 25	203.5
May 28	204.0
June 27	206.0
July 26	205.4

Date	Water level
Aug. 26, 1968	205.4
Sept. 25	205.2
Oct. 25	203.1
Nov. 26	200.1
Dec. 26	199.0
Jan. 24, 1969	197.3
Feb. 26	198.0
Mar. 25	200.0
Apr. 25	200.8
Jan. 26, 1970	196.9

Mohave County

344040N1133510.1 (revised). Local number (B-16-13)36cc. Formerly (B-16-13)36ccc. Richard Banegas. Dug domestic and stock water-table well in sand and gravel, diam 12 in, depth 15 ft. Casing information and lsd not available. MP top of two by four on casing, 1.50 ft above lsd. Highest water level 9.7 below lsd, Jan. 12, 1945; lowest 13.6 below lsd, Oct. 20, 1956. Records available: 1945-70. Apr. 6, 1966, 11.7; Jan. 16, 1967, 10.7; Jan. 18, 1968, 10.2; Jan. 29, 1969, 10.0; Jan. 26, 1970, 10.8.

351109N1140300.1 (revised). Local number (B-21-17)24cdcl. Formerly (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 3,310 ft (previously reported 5,500 ft) above msl. MP top of 6- x 6-in timber, 1.00 ft above lsd. Highest water level 101.5 below lsd, Aug. 14, 1944; lowest 120.0 below lsd, Feb. 12, 1963. Records available: 1944-70. Apr. 1, 1966, 119.6; Feb. 16, 1967, 119.3; Feb. 14, 1968, 116.4; Jan. 30, 1969, 114.4; Jan. 28, 1970, 115.2.

Navajo County

345310N1100625.1 (revised). Local number (A-17-21)10cba. Formerly (A-17-21)10bc. Everett Hinkson. Formerly Loel Reynolds. Drilled unused water-table well in Coconino Sandstone of Permian age, diam 6 in, depth 160 ft, casing information not available. Lsd about 5,140 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 52.1 below lsd, Apr. 23, 1965; lowest 53.6 below lsd, Apr. 14, 1966. Records available: 1952-58, 1960-70. Apr. 14, 1966, 53.6; Mar. 16, 1967, 52.4; Feb. 6, 1968, 53.0; Mar. 28, 1969, 52.8; Mar. 6, 1970, 52.8.

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, 0.90 ft below lsd. Highest water level 140.7 below lsd, Feb. 28, 1940; lowest 249.0 below lsd, Jan. 2, 1969. Records available: 1940, 1942, 1945-48, 1950-57, 1961, 1964-66, 1968-69. No measurement made in 1967, 1970. Jan. 31, 1966, 216.8; Jan. 2, 1968, 245.7; Jan. 2, 1969, 249.0.

322330N1110725.1. 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, 1958-63, 1965-70. Feb. 1, 1966, 101.00; Mar. 20, 1967, 98.4; Jan. 24, 1968, 95.8; Feb. 14, 1969, 94.2; Jan. 2, 1970, 102.5.

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, 1.00 ft above lsd. Highest water level 276.2 below lsd, Mar. 6, 1953; lowest 369.0 below lsd, Jan. 2, 1970. Records available: 1953-57, 1959-63, 1965-66, 1968-70. No measurement made in 1967. Jan. 24, 1966, 351.4; Dec. 23, 1966, 356.0; Feb. 9, 1968, 363.4; Jan. 2, 1969, 367.1; Jan. 2, 1970, 369.0.

320513N1111710.1. Local number (D-15-10)35aaa. Mr. and Mrs. Bucklaw. 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 225.7 below lsd, Jan. 2, 1969. Records available: 1940-42, 1944, 1946-57, 1959-70. Dec. 30, 1966, 224.3; Feb. 21, 1967, 224.7; Feb. 5, 1968, 225.4; Jan. 2, 1969, 225.7; Jan. 2, 1970, 224.5.

GROUND-WATER LEVELS, 1966-70, SOUTHWESTERN STATES

320852N111500.1. Local number (D-15-11)5ccd. Martin F. Bowman, Jr. Drilled unused water-table well in sand and gravel, diam 20 in, depth 728 ft, perforated 240-662. Lsd 2,368.0 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 281.1 below lsd, Mar. 6, 1953; lowest 331.3 below lsd, Dec. 28, 1970. Records available: 1953-57, 1959-60, 1962-70. No measurement made in 1958, 1961.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 6, 1953	281.1	Sept. 20, 1964	324.2	Nov. 20, 1966	326.7	Dec. 24, 1968	328.9
Feb. 10, 1954	306.6	Oct. 20	324.4	Dec. 20	326.8	Jan. 24, 1969	328.9
Nov. 23	309.2	Nov. 20	324.5	Jan. 20, 1967	327.0	Feb. 26	328.7
Jan. 5, 1955	309.2	Dec. 20	324.6	Feb. 20	327.2	Mar. 25	329.0
July 7	309.8	Jan. 21, 1965	322.6	Mar. 22	327.2	Apr. 25	328.9
Nov. 11	308.8	Feb. 21	324.2	Apr. 21	327.5	May 23	329.2
Jan. 12, 1956	310.6	Mar. 21	324.3	May 18	327.6	June 25	329.2
Aug. 11	310.9	May 21	324.6	June 18	327.8	July 24	329.3
Feb. 1, 1957	313.0	June 21	324.8	July 24	327.9	Aug. 22	329.0
July 22	313.4	July 21	325.0	Aug. 25	327.6	Sept. 23	329.8
Dec. 27	313.8	Aug. 21	325.1	Sept. 25	328.3	Oct. 24	329.9
Jan. 29, 1959	315.1	Sept. 21	325.4	Oct. 25	328.5	Nov. 25	329.9
Jan. 9, 1960	316.6	Oct. 21	325.6	Nov. 22	328.6	Dec. 29	330.3
Feb. 14, 1962	320.2	Nov. 21	325.5	Dec. 22	329.0	Jan. 23, 1970	330.0
Oct. 10	322.1	Dec. 21	325.5	Jan. 22, 1968	328.6	Feb. 19	329.9
Jan. 28, 1963	321.9	Jan. 20, 1966	325.5	Feb. 21	328.5	Mar. 20	330.1
Nov. 18	322.6	Feb. 20	325.5	Mar. 21	328.7	Apr. 21	330.1
Dec. 20	322.6	Mar. 20	325.2	Apr. 22	328.6	May 25	330.5
Jan. 20, 1964	322.5	Apr. 20	325.5	May 22	328.5	June 25	330.4
Feb. 20	322.9	May 20	325.7	June 20	328.6	July 27	330.6
Mar. 20	322.2	June 20	325.8	July 19	328.7	Aug. 26	330.9
Apr. 20	323.3	July 18	325.9	Aug. 21	328.9	Sept. 24	331.0
May 20	323.4	Aug. 23	326.4	Sept. 23	329.0	Oct. 28	331.2
June 20	323.5	Sept. 20	326.5	Oct. 23	328.8	Nov. 24	331.1
July 20	323.8	Oct. 20	326.5	Nov. 22	329.0	Dec. 28	331.3
Aug. 20	324.0						

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, 3.90 ft above lsd. Highest water level 25.3 below lsd, Dec. 20, 1967; lowest 90.6 below lsd, July 10, 11, 1964. Records available: 1942-70. Recording gage removed Apr. 22, 1968.

Highest water level for the day, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	36.8	44.6	35.7	54.3	73.9	78.6	83.1	....	33.9	37.0	55.3	50.3
10	38.1	30.1	37.0	59.6	75.5	79.9	83.8	40.2	35.2	37.6	55.8	49.9
15	41.1	30.5	39.0	63.0	75.4	80.5	84.4	37.0	32.4	37.5	55.2	49.7
20	35.5	33.1	43.0	68.2	75.2	81.6	....	29.1	34.8	44.0	54.3	49.6
25	37.3	34.2	46.0	69.9	76.0	82.2	....	31.2	36.0	48.5	50.7	50.1
Eom	39.2	34.8	49.4	72.0	77.4	82.6	....	32.4	36.7	51.5	50.2	49.4

1967

5	46.4	40.2	41.0	40.9	39.8	45.2	....	....	37.5	35.7	41.4	45.6
10	43.2	40.0	40.7	40.8	45.1	45.1	....	....	37.4	37.0	47.9	44.9
15	42.0	41.2	40.7	40.4	50.5	45.1	....	....	36.9	37.2	47.8	34.1
20	39.5	41.7	39.8	40.1	50.8	44.0	33.8	....	37.5	37.7	42.6	25.3
25	40.6	40.4	39.8	41.0	48.6	48.0	35.2	35.7	37.7	37.9	43.0	28.4
Eom	41.6	41.0	40.1	39.5	47.2	48.0	35.2	35.7	38.0	38.4	44.7	31.1

1968

5	32.0	35.9	35.8	35.5	....	....	....	....	....	....	....	....
10	32.8	36.0	35.9	36.0	....	....	....	....	....	....	....	....
15	33.6	34.0	32.6	35.2	....	....	....	....	....	....	....	....
20	34.5	34.8	34.0	35.0	....	....	....	....	....	....	....	....
25	35.0	35.2	34.7	....	....	....	....	....	....	....	....	....
Eom	35.5	35.4	36.0	....	....	....	....	....	....	....	....	....

e Estimated.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1968	34.7	Oct. 25, 1968	46.9	Aug. 23, 1969	34.7	May 25, 1970	46.3
Feb. 21	34.8	Nov. 21	44.0	Sept. 24	36.2	June 25	49.2
Mar. 22	34.2	Dec. 24	39.9	Nov. 25	45.4	July 27	35.3
Apr. 22	39.0	Jan. 24, 1969	39.6	Dec. 23	38.4	Aug. 26	34.8
May 24	37.3	Feb. 26	40.5	Jan. 23, 1970	38.9	Sept. 24	35.9
June 20	39.7	Mar. 25	41.2	Feb. 19	39.5	Oct. 28	37.3
July 19	38.9	May 23	42.1	Mar. 20	38.3	Nov. 24	40.7
Aug. 20	35.8	June 25	46.6	Apr. 21	39.5	Dec. 28	45.3
Sept. 23	37.2	July 24	40.0				

315700N1105719.1. Local number (D-17-14)18cab. Arizona State Highway Dept. Dug and drilled observation water-table well in sand and gravel, dug to 74 ft, drilled 50-124 ft, diam 36 to 12 in, depth 124 ft, cased 0-124. Lsd about 2,710 ft above msl. MP top of concrete curb, 1.00 ft above lsd. Highest water level 52.2 below lsd, Jan. 2, 1940; lowest 89.8 below lsd, Feb. 24, 1969. Records available: 1939-70. Recording gage removed Apr. 22, 1968.

315700N1105719.1--Continued.

Highest water level for the day, from recorder graph, 1966												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	79.1	80.6	81.9	83.9	85.9	88.4	88.7	88.5	88.7	87.0	87.1	87.2
10	79.3	80.8	82.2	84.3	86.3	88.4	88.9	89.2	88.6	86.7	87.2	87.2
15	79.6	81.1	82.5	84.6	87.0	88.5	88.9	88.9	88.1	86.5	87.3	87.3
20	80.0	81.3	82.8	84.9	87.7	88.6	88.6	88.6	87.9	86.4	87.5	87.6
25	80.2	81.5	83.1	85.3	87.9	88.8	88.2	88.6	88.6	87.2	86.7	87.5
Eom	80.4	81.6	83.6	85.6	88.3	88.8	88.4	88.7	87.3	87.1	87.0	87.8
1967												
5	87.9	88.2	....	82.8	82.5	81.5	80.1	....	77.6	....	78.6	80.2
10	88.1	88.2	88.4	82.6	82.5	81.3	79.7	....	77.6	....	78.9	80.6
15	88.2	88.3	88.0	82.5	82.4	81.1	79.2	....	77.6	....	79.1	81.0
20	88.2	88.4	85.4	82.4	82.2	81.0	78.8	....	77.8	....	79.4	81.4
25	88.3	88.4	84.0	82.5	82.0	80.7	78.3	77.5	77.8	78.1	79.6	81.7
Eom	88.2	88.4	83.1	82.5	81.8	80.4	....	77.6	78.0	78.4	79.9	82.0
1968												
5	82.3	83.8	85.3	86.1	....	....	....	....	....	....	....	....
10	82.6	84.1	85.5	86.1	....	....	....	....	....	....	....	....
15	82.8	84.4	85.7	86.1	....	....	....	....	....	....	....	....
20	83.0	84.7	85.8	86.1	....	....	....	....	....	....	....	....
25	83.3	85.0	85.9	....	....	....	....	....	....	....	....	....
Eom	83.6	85.1	86.1	....	....	....	....	....	....	....	....	....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1968	83.1	Oct. 25, 1968	85.7	July 22, 1969	72.4	Apr. 24, 1970	74.4
Feb. 21	84.7	Nov. 19	85.8	Aug. 22	73.4	May 25	73.9
Mar. 22	85.8	Dec. 24	87.1	Sept. 23	73.7	June 23	74.0
Apr. 22	87.1	Jan. 27, 1969	88.8	Oct. 22	73.4	July 28	75.4
May 23	85.4	Feb. 24	89.8	Nov. 24	75.0	Aug. 26	76.6
June 24	84.7	Mar. 27	82.8	Dec. 23	77.1	Sept. 22	77.0
July 23	85.3	Apr. 22	77.1	Jan. 27, 1970	75.7	Oct. 27	77.8
Aug. 26	86.3	May 21	73.8	Feb. 24	75.2	Nov. 24	78.6
Sept. 25	85.8	June 23	72.3	Mar. 25	74.4	Dec. 22	79.8

314718N1104139.1 (revised). Local number (D-19-16)15aba. Formerly (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, 1.00 ft above lsd. Highest water level 203.7 below lsd, Apr. 10, 1969; lowest 222.4 below lsd, Jan. 22, 1970. Records available: 1952-70. Jan. 13, 1966, 204.4; Jan. 11, 1967, 210.8; May 7, 1968, 217.0; Apr. 10, 1969, 203.7; Jan. 22, 1970, 222.4.

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, 1.00 ft above lsd. Highest water level 91.2 below lsd, Oct. 18, 1950; lowest 99.4 below lsd, Mar. 9, 1965, May 5, 1969. Records available: 1950-61, 1963-66, 1968-70. No measurement made in 1967. Jan. 14, 1966, 94.4; May 1, 1968, 96.0; May 5, 1969, 99.4; Jan. 2, 1970, 95.9.

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, 0.20 ft above lsd. Highest water level 231.7 below lsd, Jan. 19, 1949; lowest 441.0 below lsd, Jan. 6, 1969. Records available: 1949-54, 1957, 1963-69. No measurement made in 1970. Mar. 9, 1966, 416.0; Feb. 2, 1967, 429.5; Feb. 7, 1968, 433.3; Jan. 6, 1969, 441.0.

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, 0.20 ft above lsd. Highest water level 396.8 below lsd, Jan. 22, 1946; lowest dry, Jan. 3, 1969. Records available: 1939-68. No measurement made in 1969; well dry. Measurement discontinued in 1970. Mar. 3, 1966, 421.7; Jan. 17, 1967, 423.0; Feb. 7, 1968, 421.7.

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 103.4 below lsd, Jan. 30, 1968. Records available: 1953-64, 1966-68. Well destroyed 1969; measurement discontinued. Replaced by well (D-4-2)23acc. Jan. 19, 1966, 102.4; Jan. 24, 1967, 103.2; Jan. 30, 1968, 103.4.

330355N1120730.1. Local number (D-4-2)23acc. Farm Service Co. Drilled irrigation water-table well in alluvial fill, diam 12 in, reported depth 800 ft, casing information not available. Lsd about 1,187 ft above msl. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 267.9 below lsd, Jan. 9, 1964; lowest 382.6 below lsd, Jan. 6, 1970. Records available: 1964-70. Replaces well (D-4-2)13ccc. Jan. 9, 1964, 267.9; Jan. 2, 1965, 307.8; Jan. 20, 1966, 315.7; Jan. 28, 1967, 343.2; Jan. 30, 1968, 356.8; Jan. 13, 1969, 366.6; Jan. 6, 1970, 382.6.

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, 3.40 ft above lsd. Highest water level 77.6 below lsd, Feb. 20, 1950; lowest 151.0 below lsd, Jan. 26, 1966, Jan. 25, 1967. Records available: 1950-63, 1966-67. No measurement made in 1968-69. Measurement discontinued. Replaced by well (D-4-10)30bdd. Jan. 26, 1966, 151.0; Jan. 25, 1967, 151.0.

330311N1112142.1. Local number (D-4-10)30bdd. John Bowling. Drilled irrigation water-table well in alluvial fill, diam 20 in, reported depth 300 ft, casing information not available. Lsd about 1,490 ft above msl. MP hole in pumpbase, 0.60 ft above lsd. Highest water level 83.2 below lsd, Feb. 6, 1952; lowest 147.2 below lsd, Feb. 6, 1969. Records available: 1952-54, 1956-63, 1965-70. No measurement made in 1955, 1964. Replaces well (D-4-9)25bcc.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 6, 1952	83.2	Jan. 14, 1958	126.7	Jan. 17, 1962	122.2	Jan. 20, 1967	141.4
Feb. 17, 1953	85.8	Jan. 12, 1959	112.5	Jan. 29, 1963	124.6	Feb. 6, 1968	143.0
Feb. 17, 1954	92.8	Jan. 26, 1960	113.8	Jan. 2, 1965	139.0	Feb. 6, 1969	147.2
Jan. 16, 1956	101.8	Jan. 5, 1961	114.6	Jan. 26, 1966	141.6	Jan. 6, 1970	142.6
Jan. 16, 1957	113.0						

330416N1105533.1. Local number (D-4-14)21bcd. Formerly (D-4-14)21bdd. Wilkens. Drilled unused water-table well in alluvial fill, diam 20 in, reported depth 80 ft, cased 0-76. Lsd about 1,790 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 5.5 below lsd, Mar. 26, 1969; lowest 8.3 below lsd, Dec. 8, 1953. Records available: 1952-55, 1957-64, 1966-70. Mar. 18, 1966, 5.9; Feb. 28, 1967, 5.9; Mar. 6, 1968, 5.7; Mar. 26, 1969, 5.5; Jan. 20, 1970, 7.3.

325246N115952.1. 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, 0.60 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, 1960-63, 1965-69. No measurement made in 1970. Jan. 19, 1966, 241.2; Jan. 19, 1967, 242.3; Jan. 30, 1968, 237.0; Jan. 21, 1969, 231.3.

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, 1.50 ft above lsd. Highest water level 114.2 below lsd, Feb. 16, 1944; lowest 212.2 below lsd, Jan. 20, 1967. Records available: 1942-57, 1959-64, 1966-68. No measurement made in 1969-70. Jan. 25, 1966, 191.6; Jan. 20, 1967, 212.2; Mar. 1, 1968, 208.6.

325250N1113106.1 (revised). Local number (D-6-8)21ddc. Formerly (D-6-8)21dcc. 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, 1.50 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, 1966, 1968-70. No measurement made in 1967. Jan. 25, 1966, 176.2; Jan. 23, 1968, 200.2; Jan. 16, 1969, 196.2; Jan. 8, 1970, 193.1.

325306N1111215.1. Local number (D-6-11)27cad. Formerly (D-6-11)27bdd. Grathan and Carney. Drilled stock water-table well in alluvial fill, diam 4 in, reported depth 300 ft, casing information not available. Lsd about 2,370 ft (previously reported 2,300 ft) above msl. MP top of casing, 1.00 ft above lsd. Highest water level 28.5 below lsd, Feb. 10, 1960; lowest 51.1 below lsd, Apr. 29, 1969. Records available: 1953-54, 1956, 1960-70. Feb. 23, 1966, 43.0; Feb. 21, 1967, 39.3; May 2, 1968, 29.2; Apr. 29, 1969, 51.1; Jan. 16, 1970, 30.0.

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, 1.00 ft above lsd. Highest water level 6.7 below lsd, Feb. 27, 1967; lowest 18.5 below lsd, Dec. 7, 1953. Records available: 1949-69. No measurement made in 1970. Mar. 21, 1966, 13.0; Feb. 27, 1967, 6.7; Mar. 8, 1968, 7.2; Mar. 26, 1969, 9.1.

324918N113358.1. Local number (D-7-7)11cdd. E. C. Grasty. Drilled irrigation water-table well in sand and gravel, diam 20 in, depth 460 ft, perforated 100-430. Lsd 1,498.2 ft above msl. MP hole in pumpbase, 2.50 ft above lsd. Highest water level 85.9 below lsd, Mar. 11, 1942; lowest 286.0 below lsd, Jan. 6, 1970. Records available: 1942-57, 1959-64, 1967-70. No measurement made in 1966. Jan. 25, 1967, 247.4; Jan. 24, 1968, 262.0; Jan. 15, 1969, 266.0; Jan. 6, 1970, 286.0.

324102N1114528.1. Local number (D-8-6)31add. Chiu Chuischu Ranch. Drilled unused water-table well in sand and gravel, diam 20 in, depth 280 ft, cased 0-220 (previously reported 0-266), perforated 75-208 (previously reported 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 216.8 below lsd, Jan. 24, 1969. Records available: 1952, 1955-64, 1966-70. Jan. 27, 1966, 211.8; Jan. 31, 1967, 211.1; Jan. 22, 1968, 213.4; Jan. 24, 1969, 216.8; Jan. 12, 1970, 212.7.

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, 1.00 ft above lsd. Highest water level 124.5 below lsd, Mar. 24, 1941; lowest 337.2 below lsd, Jan. 18, 1968. Records available: 1940-52, 1954-55, 1960, 1962-64, 1966-68, 1970. No measurement made in 1969. Jan. 27, 1966, 308.3; Jan. 25, 1967, 331.9; Jan. 18, 1968, 337.2; Jan. 12, 1970, 332.7.

324312N1103816.1. Local number (D-8-17)19dad1. Formerly (D-8-17)19dad. Carmen and Edward Mungaray. 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, 1.00 ft above lsd. Highest water level 5.4 below lsd, Mar. 18, 1966; lowest 18.2 below lsd, Dec. 7, 1953. Records available: 1949-58, 1961-70. Mar. 18, 1966, 5.4; Feb. 27, 1967, 7.9; Mar. 20, 1968, 6.1; Mar. 25, 1969, 11.7; Jan. 16, 1970, 11.4.

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, 1.00 ft above lsd. Highest water level 181.1 below lsd, Mar. 28, 1955; lowest 226.7 below lsd, Jan. 17, 1968. Records available: 1953-64, 1966-70. Jan. 28, 1966, 224.1; Feb. 1, 1967, 217.9; Jan. 17, 1968, 226.7; Feb. 10, 1969, 222.8; Jan. 14, 1970, 223.6.

323942N1110302.1 (revised). Local number (D-9-13)7cbc. Formerly (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, 1.00 ft above lsd. Highest water level 43.0 below lsd, Sept. 23, 1955; lowest 111.5 below lsd, Jan. 6, 1953. Records available: 1952-70. Feb. 25, 1966, 54.2; Feb. 21, 1967, 44.1; May 2, 1968, 72.1; Apr. 29, 1969, 92.6; Jan. 15, 1970, 106.8.

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, 0.40 ft above lsd. Highest water level 39.7 below lsd, Mar. 20, 1968; lowest 82.1 below lsd, Aug. 16, 1954. Records available: 1949-70. Mar. 18, 1966, 42.6; Feb. 27, 1967, 41.6; Mar. 20, 1968, 39.7; Mar. 24, 1969, 42.3; Jan. 19, 1970, 43.0.

323245N112549.1. Local number (D-10-9)16ccc. La Osa Livestock Co. Drilled unused water-table well in alluvial fill, diam 20 in, depth 400 ft, cased to 392, perforated 170-378. Lsd about 1,780 ft above msl. MP top of casing, 2.50 ft above lsd. Highest water level 209.8 below lsd, Feb. 10, 1954; lowest 346.0 below lsd, Jan. 14, 1970. Records available: 1954-64, 1966-70. Jan. 28, 1966, 295.8; Feb. 1, 1967, 297.3; Jan. 17, 1968, 297.6; Feb. 10, 1969, 329.7; Jan. 14, 1970, 346.0.

Santa Cruz County

312758N1105900.1. Local number (D-22-13)35dcd. T. T. Pendleton. Drilled irrigation water-table well in sand and gravel, diam 20 in, depth 90 ft, cased 0-90. Lsd about 3,430 ft above msl. MP south side of 1½-in pipe, 0.50 ft above lsd. Highest water level 7.4 below lsd, Jan. 23, 1968; lowest 53.0 below lsd, Mar. 30, 1954. Records available: 1939-57, 1959-61, 1963-70. Water level is affected by intermittent flow in Santa Cruz River. Jan. 13, 1966, 10.6; Jan. 12, 1967, 7.7; Jan. 23, 1968, 7.4; Feb. 11, 1969, 12.5; Jan. 2, 1970, 11.2.

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, 0.60 ft above lsd. Highest water level 10.1 below lsd, Jan. 25, 1956; lowest 26.0 below lsd, June 8, 1954. Records available: 1949, 1952-64, 1966-70. Jan. 13, 1966, 12.6; Jan. 11, 1967, 10.8; May 9, 1968, 11.5; Apr. 10, 1969, 11.6; Jan. 22, 1970, 18.1.

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 3,575 ft (previously reported 3,550 ft) above msl. MP top of concrete casing, 0.30 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, 1963-70. Jan. 13, 1966, 17.1; Jan. 13, 1967, 15.6; Jan. 23, 1968, 14.3; Feb. 11, 1969, 14.5; Jan. 2, 1970, 14.2.

312119N1103517.1. Local number (D-24-17)11cda. Formerly (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, 1.30 ft (previously erroneously reported 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: 1949-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21, 1966	4.57	Feb. 20, 1967	4.68	May 23, 1968	6.10	Nov. 7, 1969	5.5
Feb. 23	4.16	Mar. 23	5.20	June 24	5.68	Dec. 22	5.0
Mar. 22	4.31	Apr. 20	5.28	July 28	6.17	Jan. 22, 1970	5.0
Apr. 21	4.90	May 19	5.54	Aug. 23	6.30	Mar. 24	4.6
May 20	5.94	June 19	5.80	Oct. 23	6.57	Apr. 24	4.5
June 20	8.00	July 18	5.37	Jan. 27, 1969	5.4	May 25	5.6
July 21	8.47	Aug. 22	4.15	Feb. 24	5.1	June 24	6.1
Aug. 19	6.11	Sept. 20	5.18	Mar. 28	5.7	July 29	5.6
Sept. 7	5.54	Oct. 23	5.72	Apr. 10	6.5	Aug. 27	5.0
21	5.36	Nov. 22	5.35	23	5.9	Sept. 23	5.0
Oct. 21	5.17	Dec. 28	4.14	May 23	6.1	Oct. 29	5.0
Nov. 21	4.98	Feb. 9, 1968	4.14	June 23	6.7	Nov. 25	5.7
Dec. 21	5.76	Mar. 29	4.00	Aug. 26	6.7	Dec. 23	4.6
Jan. 20, 1967	4.62	May 8	5.29	Oct. 2	6.4		

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 6-in casing, 2.00 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, 1962-66, 1968-70. No measurement made in 1967. Apr. 8, 1966, 21.1; Feb. 29, 1968, 20.1; Feb. 19, 1969, 20.0; Feb. 17, 1970, 22.7.

342822N1125312.1. Local number (B-13-6)9dd. J. W. Ropeter. Dug irrigation water-table well in sand and gravel, diam 6 ft, depth 52 ft (previously reported 22 ft), casing 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, 1959-70. Apr. 7, 1966, 15.9; Mar. 3, 1967, 16.9; Mar. 1, 1968, 15.4; Feb. 19, 1969, 15.8; Feb. 17, 1970, 18.6.

343103N1124051.1. Local number (B-14-4)33acb. Formerly (B-14-4)33ab. C. C. McLain. Drilled unused water-table well in sand and gravel, diam 14 in (previously reported 16 in), depth 85 ft, casing information not available. Lsd about 4,340 ft above msl. MP hole in casing, 0.50 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, 1959-70. Apr. 7, 1966, 19.5; Mar. 9, 1967, 19.8; Feb. 9, 1968, 19.5; Feb. 19, 1969, 20.4; Feb. 17, 1970, 20.8.

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 207.7 below lsd, Feb. 20, 1970. Records available: 1958-63, 1965, 1967-70. No measurement made in 1966. Jan. 24, 1967, 173.2; Jan. 18, 1968, 182.5; Jan. 21, 1969, 188.9; Feb. 20, 1970, 207.7.

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, casing information not available. Lsd about 1,070 ft (previously reported 730 ft) above msl. MP top of casing, 0.50 ft above lsd. Highest water level 112.6 below lsd, Feb. 21, 1946; lowest 116.0 below lsd, Jan. 23, 1968, Jan. 23, 1969. Records available: 1946, 1948-63, 1965-70. Apr. 28, 1966, 114.4; April 1967, 114.6; Jan. 23, 1968, 116.0; Jan. 23, 1969, 116.0; Feb. 26, 1970, 115.8.

324505N1135814. Local number (C-8-17)1laaa. 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, 1.00 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, 1961-70. Mar. 24, 1966, 21.9; Feb. 14, 1967, 14.4; Feb. 6, 1968, 19.1; Feb. 11, 1969, 18.7; Jan. 6, 1970, 20.3.

323840N1143201.1 (revised). Local number (C-9-22)17dca. Formerly (C-9-22)17ddd. Hairgrove. Formerly Archie J. Griffin. Drilled unused water-table well in sand and gravel, diam 16 in, depth 195 ft, casing information not available. Lsd 205 ft (previously reported 210.5 ft) above msl. MP top of casing, 1.50 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, 1960-70. Mar. 25, 1966, 58.6; Feb. 13, 1967, 57.8; Feb. 14, 1968, 58.8; Feb. 13, 1969, 57.8; Jan. 9, 1970, 57.0.

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Note.--Measurements were discontinued in 1965 for the following wells:

- Gila County - 332136N1103615.1. - Local number (D-1-17)10bd.
 Maricopa County - 332749N1121520.1. - Local number (A-1-1)4aaa2.
 Do. - 330749N1121344.1. - Local number (A-3-1)35baa.
 Do. - 331541N1115022.1. - Local number (D-2-5)15bbb.
 Pinal County - 330611N1113035.1. - Local number (D-4-8)2ccc.

CALIFORNIA

The observation-well program in California was continued during the period 1966-70 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

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local 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 SW¹/₄SW¹/₄ 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. 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 of each mixed table. Readings between plus signs are above the plane of reference, and those between minus signs are below the plane of reference.

Del Norte County

Smith River Basin

414643N1241156.1. Local number 16N/1W-17K1 H. 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 ms1. Highest water level 7.3 below lsd, Mar. 28, 1961; lowest 24.00 below lsd, Jan. 27, 1960. Records available: 1953-54, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after Mar. 28, 1966, by California Department of Water Resources.

Date	Water level
Jan. 20, 1966	13.54
Feb. 16	12.49
Mar. 25	10.23

Date	Water level
Oct. 4, 1966	22.2
Apr. 12, 1967	14.7
Oct. 4	21.5

Date	Water level
Apr. 10, 1968	15.7
Apr. 8, 1969	13.0
Oct. 14	22.3

Date	Water level
Apr. 8, 1970	13.8
Oct. 14	22.2

415322N1240847.1. Local number 17N/1W-2P1 H. Homer Martin. About 1.6 mi north of Fort Dick. Drilled domestic water-table well in flood-plain deposits (previously reported undifferentiated flood-plain deposits), diam 8 in, depth 26 ft, casing information not available. Lsd 31 ft above msl. Highest water level 10.9 below lsd, Mar. 30, 1960; lowest 23.43 below lsd, Oct. 14, 1964. Records available: 1952, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after Mar. 28, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1966	15.83	Oct. 4, 1966	22.2	Apr. 8, 1969	17.5	Apr. 8, 1970	18.7
Feb. 16	16.49	Oct. 4, 1967	22.1	Oct. 14	20.5	Oct. 14	22.5
Mar. 28	15.93	Apr. 10, 1968	18.2				

415502N1240850.1. Local number 18N/1W-26P1 H. 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, casing information not available. 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, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after Mar. 28, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1966	15.64	Oct. 4, 1966	16.9	Apr. 10, 1968	12.7	Apr. 8, 1970	14.0
Feb. 16	16.94	Apr. 12, 1967	13.4	Oct. 14, 1969	25.7	Oct. 14	21.0
Mar. 28	16.32	Oct. 4	16.2				

Humboldt County

Eureka-Fortuna Area

403550N1240931.1. Local number 3N/1W-34J1 H. City of Fortuna. In the southwest corner of the city of Fortuna in the Eel River Valley. Drilled unused artesian well in Carlotta Formation of Ogle (1953), 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: 1951-55, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after May 6, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1966	31.32	May 6, 1966	31.67	Oct. 3, 1967	35.0	Oct. 15, 1969	34.7
Feb. 16	31.21	Oct. 5	34.5	Apr. 10, 1968	32.3	Apr. 7, 1970	31.6
Mar. 29	30.91	Apr. 11, 1967	28.0	Apr. 9, 1969	30.6	Oct. 14	35.5

403627N1241526.1. Local number 3N/2W-26R1 H. Winfred Goble. About 4.5 mi west of Fortuna in the Eel River Valley. Drilled irrigation water-table well in alluvium of Quaternary age, diam 14 in, depth 30 ft, casing information not available. 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, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after May 6, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1966	3.34	May 6, 1966	5.71	Oct. 3, 1967	10.3	Oct. 15, 1969	10.2
Feb. 16	3.64	Oct. 5	10.7	Apr. 10, 1968	6.6	Apr. 7, 1970	7.0
Mar. 29	3.74	Apr. 11, 1967	4.0	Apr. 9, 1969	6.0	Oct. 14	11.5

405211N1240528.1. Local number 6N/1E-29P1 H. Golden State Co., Ltd. In Arcata in the Mad River Valley. Drilled unused water-table well in alluvium of Quaternary age, diam 24 in, depth 46 ft, casing information not available. Lsd 25 ft above msl. Highest water level 4.5 below lsd, Apr. 12, 1967; lowest 43.0 below lsd, June 7, 1951. Records available: 1951-54, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after May 6, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1966	12.56	Oct. 5, 1966	11.0	Apr. 10, 1968	6.8	Apr. 7, 1970	12.0
Feb. 16	7.72	Apr. 12, 1967	4.5	Apr. 9, 1969	6.0	Oct. 14	10.8
Mar. 29	6.86	Oct. 3	9.1	Oct. 15	9.3		

Kern County

Antelope Valley-Lancaster Basin

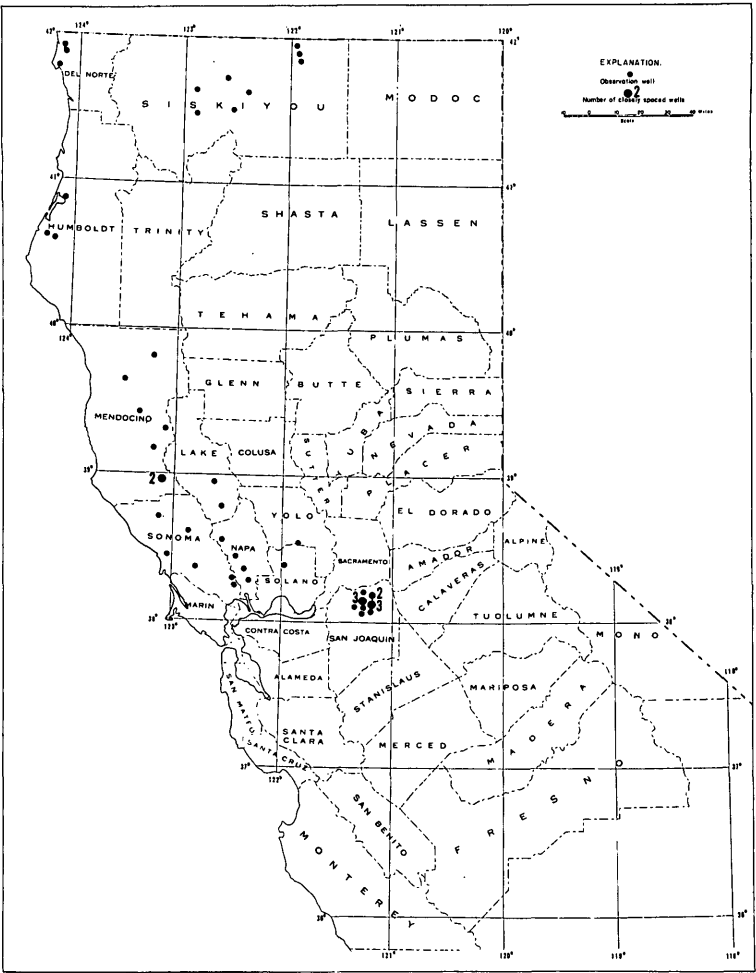
345151N1180952.1. Local number 9N/12W-21D3 S. T. R. Loomis. Rosamond. Drilled domestic water-table well in alluvium of Pleistocene age, diam 9 in, depth 107 ft, cased with steel. Lsd 2,350 ft above msl. Highest water level 60.73 below lsd, Feb. 14, 1952; lowest dry, Oct. 20, 1970. Records available: 1951-54, 1956-70. Measurement discontinued in 1970.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 12, 1966	88.65	Mar. 16, 1967	91.32	Mar. 21, 1968	95.04	Mar. 17, 1970	98.42
Oct. 27	92.15	Oct. 26	97.31	Apr. 15, 1969	96.65	Oct. 20	(f)

f Dry.

Antelope Valley-Willow Springs Area

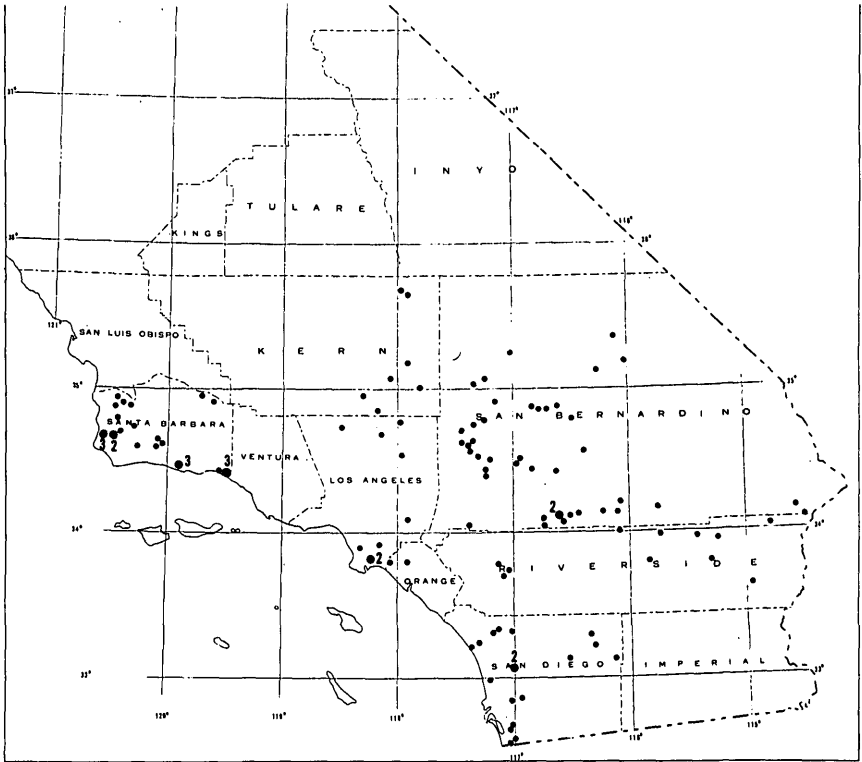
345636N1181820.1. Local number 10N/13W-19M1 S. Dewey Butler. About 4 1/2 mi north of Willow Springs. Drilled unused water-table well in alluvium of Pleistocene age, diam 16 in, depth 770 ft, cased with steel. Lsd 2,905 ft above msl. Highest water level 291.61 below lsd, Jan. 20, 1953; lowest 319.38 below lsd, Sept. 18, 1969. Records available: 1953-70.



Northern California

Figure 3.--Location of observation

CALIFORNIA



Southern California

wells in California, 1966-70.

345636N1181820.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 8, 1966	316.85	Oct. 10, 1967	318.51	Oct. 31, 1968	319.13	Mar. 16, 1970	319.14
Oct. 18	318.08	Nov. 1	318.55	Apr. 14, 1969	318.92	Oct. 20	318.25
Mar. 22, 1967	317.65	Apr. 2, 1968	318.38	Sept. 18	319.38		

g Measurement made by California Department of Water Resources.

Fremont Valley-Chaffee Area

350412N1180436.1. Local number 11N/11W-8D1 S. 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, 1954-67. Measurement discontinued in 1967. Mar. 8, 1966, 198.83; Oct. 17, 199.09; Mar. 23, 1967, 199.05; Oct. 10, 199.44.

Fremont Valley-Koehn Lake Area

352052N1174830.1. Local number 30S/39E-8A1 M. Owner unknown. 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 142.82 below lsd, Apr. 12, 1967. Records available: 1953-70.

Mar. 9, 1966	140.12	Apr. 12, 1967	142.82	Mar. 20, 1968	140.14	Mar. 17, 1970	139.92
Oct. 17	140.12	Oct. 11	140.96	Apr. 15, 1969	140.12	Oct. 22	141.85

351104N1175904.1. Local number 31S/37E-35N1 M. 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 429 ft (previously reported 439 ft), cased with steel. Lsd 2,320 ft above msl. Highest water level 230.79 below lsd, Jan. 22, 1953; lowest 267.04 below lsd, Apr. 15, 1969. Records available: 1953, 1958-70.

Mar. 9, 1966	244.09	Apr. 12, 1967	247.33	Oct. 31, 1968	249.30	Mar. 17, 1970	249.90
Oct. 17	246.37	Oct. 11	248.12	Apr. 15, 1969	267.04	Oct. 22	250.65
Jan. 14, 1967	247.00	Mar. 21, 1968	248.17	Sept. 18	255.80		

Indian Wells Valley

353908N1174805.1. Local number 26S/39E-20Q1 M. U.S. Dept. of the Navy. About 1 mi northeast of Inyokern. Drilled unused water-table well in alluvium of Pleistocene(?) age, diam 12 in, depth 490 ft, casing information not available. Lsd 2,421.8 ft above msl. Highest water level 210.6 below lsd, Feb. 20, 1946; lowest 221.61 below lsd, Oct. 21, 1966. Records available: 1946, 1953-66. Well destroyed; measurement discontinued Nov. 14, 1967. Oct. 21, 1966, 221.61.

353828N1174013.1. Local number 26S/40E-28J1 M. Drummond Medical Center. In Ridgecrest. Drilled standby water-table well in alluvium of Pleistocene(?) age, diam 14 in, depth and casing information not available. Lsd 2,288.8 ft above msl. Highest water level 98.3 below lsd, Dec. 30, 1948; lowest 115.07 below lsd, Sept. 18, 1969. Records available: 1948, 1952-69. No measurement made in 1970; well being pumped. Oct. 20, 1966, 111.21; Nov. 14, 1967, 109.43; Nov. 19, 1968, 113.67 (well pumped recently); Sept. 18, 1969, 115.07.

Lake County

Lower Lake-Middletown Area

384739N1223352.1. Local number 11N/6W-19G1 M. Roy Trimble. La-2-Z Ranch. About 4 mi north-east of Middletown in Coyote Valley. Drilled domestic water-table well in alluvium of Quaternary age, diam 8 in, depth 50 ft, casing information not available. 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, 1956-69. Measurement discontinued Dec. 31, 1970. Measurements after Apr. 27, 1966, by California Department of Water Resources.

Jan. 17, 1966	10.40	Oct. 18, 1966	15.8	Sept. 8, 1967	14.6	Nov. 19, 1968	13.9
Feb. 23	11.08	Nov. 17	14.5	Oct. 16	13.8	Dec. 12	12.2
Mar. 22	11.85	Dec. 15	10.5	Nov. 15	13.4	Jan. 16, 1969	9.3
Apr. 26	12.89	Jan. 19, 1967	12.7	Mar. 20, 1968	10.6	Feb. 19	8.9
May 19	13.3	Feb. 16	10.6	Apr. 12	12.0	Mar. 20	11.4
June 15	13.8	Mar. 17	10.7	May 14	13.8	Apr. 15	12.3
July 20	14.0	Apr. 26	10.1	Sept. 19	15.7	May 12	(a)
Aug. 18	15.9	May 18	11.4	Oct. 15	15.2	June 16	(a)
Sept. 20	15.9	Aug. 17	14.6				

a Well being pumped.

b Well pumped recently.

385810N1223705.1. Local number 13N/7W-15Q1 M. P. Bartrum. About 1.5 mi northeast of Clear-lake Highlands in Burns Valley. Drilled unused water-table well in Cache Formation of Becker (1888), previously reported "Cache Formation of Anderson (1936)", diam 12 in, depth 172 ft, casing information not available. Lsd 1,385 ft above msl. Highest water level 0.3 below lsd, Mar. 26, 1952; lowest 12.4 below lsd, Oct. 11, 1950. Records available: 1949-54, 1956-70. Measurement discontinued Dec. 31, 1970. Measurements after Apr. 27, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1966	3.97	Aug. 18, 1966	a8.0	Mar. 17, 1967	1.0	Mar. 20, 1968	1.4
Feb. 23	1.91	Sept. 20	8.5	Apr. 26	.9	Apr. 12	1.3
Mar. 23	1.57	Oct. 18	8.4	May 18	.9	May 14	1.2
Apr. 26	2.80	Nov. 17	8.2	Aug. 17	7.4	Mar. 26, 1969	1.3
May 19	2.7	Dec. 15	5.9	Sept. 8	7.8	Oct. 28	6.0
June 15	4.3	Jan. 19, 1967	4.7	Oct. 17	7.8	Apr. 2, 1970	1.0
July 20	7.5	Feb. 16	2.2	Nov. 15	7.4	Oct. 8	6.7

a Well being pumped.

Los Angeles County

Antelope Valley

343237N1175824.1. Local number 5N/10W-6N1 S. 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 7.85 below lsd, Mar. 2, 1945; lowest 147.30 below lsd, July 17, 1956. Records available: 1938, 1940-70. Records furnished by Los Angeles County Flood Control District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1966	122.9	May 8, 1967	117.7	Aug. 6, 1968	119.8	Nov. 12, 1969	113.4
Feb. 24	122.4	June 6	118.4	Sept. 3	118.1	Dec. 9	112.2
Mar. 7	122.2	July 11	119.9	Oct. 8	123.5	Jan. 13, 1970	111.90
Apr. 12	121.7	Aug. 1	120.7	Nov. 4	118.9	Feb. 17	111.80
May 9	120.3	Sept. 11	118.0	Dec. 3	117.4	Mar. 10	111.60
June 14	124.2	Oct. 9	117.5	Feb. 4, 1969	116.1	Apr. 14	111.10
July 12	124.4	Nov. 15	116.0	Mar. 10	116.0	May 11	116.80
Aug. 1	125.0	Jan. 9, 1968	114.9	Apr. 16	117.0	June 9	119.20
Sept. 7	126.2	Feb. 19	114.4	May 6	117.2	July 20	115.00
Oct. 3	123.1	Mar. 12	114.3	June 3	118.4	Aug. 4	116.80
Nov. 27	120.3	Apr. 8	114.3	July 8	117.0	Sept. 1	116.90
Jan. 9, 1967	119.2	May 14	114.6	Aug. 5	117.4	Oct. 6	116.70
Feb. 14	119.8	June 13	115.2	Sept. 16	116.8	Nov. 6	114.00
Mar. 6	118.8	July 9	116.8	Oct. 1	117.0	Dec. 14	112.90
Apr. 10	117.7						

344149N1180822.1. Local number 7N/12W-15P2 S. 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 164.39 below lsd, Oct. 20, 1970. Records available: 1943-45, 1947-55, 1957-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7, 1966	134.93	Oct. 27, 1967	157.97	Jan. 13, 1969	152.97	Mar. 18, 1970	155.40
Oct. 28	154.84	Mar. 27, 1968	149.41	Apr. 14	156.14	Oct. 20	164.39
Mar. 16, 1967	145.22						

344551N1175846.1. Local number 8N/10W-19Q1 S. 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, 1950-67. Measurement discontinued in 1967. Mar. 12, 1966, 103.84; Oct. 27, 110.00; Mar. 16, 1967, 106.76; Oct. 25, 112.24.

344421N1182822.1. Local number 8N/15W-33G1 S. J. Alessio. West of Fairmont. Drilled domestic water-table well in alluvium, diam 12 in, depth 400 ft (previously reported 282 ft), cased with steel. Lsd 2,930 ft above msl. Highest water level 194.0 below lsd, Jan. 23, 1946; lowest 284.00 below lsd, Nov. 12, 1959. Records available: 1946-65, 1967-70. No measurement made in 1966. Measurements prior to 1968 furnished by California State Department of Water Resources. Apr. 21, 1967, 245.2; Mar. 27, 1968, 239.10; Apr. 14, 1969, 236.90; Mar. 17, 1970, 227.20; Oct. 22, 239.75.

Coastal Plain

335506N1180832.1. Local number 3S/12W-8L3 S. 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: 1930-70. Records furnished by San Gabriel Valley Protective Association.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1966	75.4	Nov. 7, 1966	74.8	Sept. 4, 1967	74.8	July 1, 1968	71.1
Feb. 7	74.6	Dec. 5	73.4	Oct. 2	72.2	Aug. 5	71.6
Mar. 7	75.8	Jan. 2, 1967	74.0	Nov. 6	72.1	Sept. 2	71.0
Apr. 4	74.9	Feb. 6	73.2	Dec. 4	71.1	Oct. 7	70.1
May 2	75.2	Mar. 6	72.6	Jan. 1, 1968	70.6	Nov. 4	69.9
June 6	77.3	Apr. 3	71.7	Feb. 5	70.1	Dec. 2	69.6
July 4	76.0	May 1	71.2	Mar. 4	70.1	Jan. 6, 1969	69.10
Aug. 1	76.0	June 5	72.6	Apr. 1	69.7	Feb. 3	68.10
Sept. 19	76.1	July 3	72.6	May 6	70.0	Mar. 3	67.40
Oct. 3	76.1	Aug. 7	73.6	June 10	71.3	Apr. 7	68.40

335506N1180832.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 5, 1969	67.60	Oct. 6, 1969	68.40	Mar. 2, 1970	65.0	Aug. 3, 1970	67.3
June 2	68.20	Nov. 3	67.90	Apr. 6	66.2	Sept. 5	66.8
July 7	68.30	Dec. 1	66.50	May 4	66.0	Oct. 5	66.2
Aug. 4	69.0	Jan. 5, 1970	65.90	June 1	65.7	Nov. 2	65.3
Sept. 1	68.20	Feb. 2	65.60	July 6	66.7	Dec. 7	63.80

335405N1182104.1. Local number 3S/14W-21B1 S. 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, 1939-66. No measurement made in 1967. Measurement discontinued in 1968. Records furnished by Southern California Water Co. Jan. 7, 1966, 114.0; Feb. 7, 114.0; Apr. 7, 115.0; May 7, 116.0 (all 1966 measurements, water level below sea level).

344929N1181244.1. Local number 4S/13W-14L1 S. 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 67.61 below lsd, Mar. 27, 1967. Records available: 1930-70. Records furnished by city of Long Beach.

Jan. 31, 1966	j61.74	Apr. 24, 1967	j62.85	July 22, 1968	j64.24	Oct. 27, 1969	j64.77
Feb. 28	j61.89	May 29	j62.94	Aug. 19	j64.14	Nov. 24	j64.72
Mar. 28	j61.89	June 26	j63.14	Sept. 23	j64.79	Dec. 22	j64.72
Apr. 25	j62.01	July 24	j63.19	Oct. 21	j64.54	Jan. 25, 1970	j64.92
May 30	j62.09	Aug. 28	j63.34	Nov. 25	j64.64	Feb. 23	j64.87
June 30	j62.14	Sept. 25	j63.49	Dec. 16	j64.59	Mar. 23	j64.67
July 25	j62.24	Oct. 30	j63.69	Jan. 20, 1969	j64.79	Apr. 20	j65.02
Aug. 22	j62.21	Nov. 27	j63.69	Feb. 24	j64.79	May 25	j64.67
Sept. 26	j62.24	Dec. 26	j63.84	Mar. 24	j65.02	June 22	j64.72
Oct. 24	j62.39	Jan. 22, 1968	j63.84	Apr. 21	j65.12	July 27	j64.52
Nov. 28	j62.41	Feb. 19	j63.94	May 26	j64.85	Aug. 24	j64.57
Dec. 26	j62.41	Mar. 25	j63.89	June 23	j65.92	Sept. 21	j65.42
Jan. 23, 1967	j62.54	Apr. 22	j64.04	July 28	j65.02	Oct. 26	j65.02
Feb. 20	j62.64	May 20	j64.17	Aug. 25	j64.92	Nov. 23	j65.07
Mar. 27	j67.61	June 24	j64.34	Sept. 22	j64.87	Dec. 28	j65.22

j Water level below sea level.

334905N1181246.1. Local number 4S/13W-23G2 S. 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: 1932-70. Records furnished by city of Long Beach.

Jan. 31, 1966	j114.70	Apr. 24, 1967	j120.53	July 23, 1968	j125.25	Oct. 27, 1969	j123.03
Feb. 28	j115.35	May 29	j120.30	Aug. 19	j124.90	Nov. 24	j123.38
Mar. 28	j117.70	June 26	j119.15	Sept. 23	j121.00	Dec. 22	j123.08
Apr. 25	j118.87	July 24	j119.70	Oct. 21	j118.35	Jan. 25, 1970	j123.68
May 30	j117.05	Aug. 28	j121.90	Nov. 25	j117.00	Feb. 23	j120.58
June 30	j113.85	Sept. 25	j118.60	Dec. 16	j119.90	Mar. 23	j120.23
July 25	j118.76	Oct. 30	j118.00	Jan. 20, 1969	j117.60	Apr. 20	j122.53
Aug. 22	j118.80	Nov. 27	j119.85	Feb. 24	j118.90	May 25	j123.08
Sept. 26	j118.75	Dec. 26	j120.80	Mar. 24	j119.73	June 22	j123.43
Oct. 24	j119.50	Jan. 22, 1968	j120.30	Apr. 21	j119.88	July 27	j123.58
Nov. 28	j116.80	Feb. 19	j115.35	May 26	j124.53	Aug. 24	j123.48
Dec. 26	j118.10	Mar. 25	j115.15	June 23	j125.28	Sept. 21	j124.78
Jan. 23, 1967	j117.50	Apr. 22	j118.65	July 28	j124.53	Oct. 26	j124.78
Feb. 20	j116.00	May 20	j121.40	Aug. 25	j124.18	Nov. 23	j117.28
Mar. 27	j119.10	June 24	j126.25	Sept. 22	j125.18	Dec. 28	j116.33

j Water level below sea level.

San Gabriel River Basin

340535N1175735.1. Local number 1S/10W-7R2 S. 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: 1903-70.

Mean water level for the day, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	153.84	135.51	135.10	133.24	135.41	139.11	142.85	147.80	151.97	154.57	156.33	156.06
10	151.92	135.19	134.85	132.74	136.06	139.38	143.67	148.55	152.45	154.82	156.39	155.98
15	148.10	132.33	134.14	134.29	136.68	139.93	144.49	149.24	152.95	154.98	156.29	155.43
20	143.77	135.42	133.44	134.51	137.47	140.60	145.34	150.02	153.52	155.32	156.28	152.87
25	140.00	135.44	133.09	134.55	138.20	141.35	146.18	150.68	153.94	155.65	156.26	147.38
Eom	136.75	135.33	132.94	134.78	138.79	142.08	147.09	151.45	154.32	156.00	156.15	141.47

1967

	5	10	15	20	25	Eom
Jan	139.33	139.15	139.79	139.72	139.79	138.68
Feb	135.88	132.20	128.70	128.06	127.78	127.78
Mar	127.42	127.11	126.31	124.99	122.46	122.46
Apr	120.48	118.77	115.94	114.14	113.20	113.20
May	111.45	109.60	107.87	106.47	103.43	103.43
Jun	102.27	101.18	100.09	99.54	99.77	99.77
Jul	100.08	100.48	100.97	101.40	101.91	102.56
Aug	103.08	103.59	104.22	104.98	105.85	106.93
Sep	107.68	108.37	109.08	109.68	110.23	110.00
Oct	111.17	111.68	112.22	112.67	112.75	112.43
Nov	112.31	112.32	113.53	112.74	112.77	112.84
Dec	112.86	112.53	111.99	111.49	111.00	110.73

34053N1175735.1--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	110.76	111.28	112.17	112.65	114.34	116.93	120.10	123.71	126.84	129.34	130.81	131.34
10	110.73	111.38	112.42	112.73	114.68	117.28	120.71	124.26	127.34	129.52	130.99	131.42
15	110.70	111.49	112.60	113.02	115.01	117.84	121.38	124.71	127.87	129.74	131.19	131.37
20	110.87	111.58	112.80	113.25	115.48	118.43	122.03	125.18	128.27	130.04	131.25	131.21
25	110.93	111.76	112.79	113.60	115.89	119.07	122.65	125.71	128.68	130.36	131.32	131.13
Eom	111.23	111.93	112.69	113.99	116.50	119.57	123.25	126.42	128.14	130.70	131.32	131.12
1969												
5	131.08	125.62	108.90	90.72	87.04	85.95	89.53	94.60	99.76	104.09	107.70	109.97
10	131.18	121.16	108.01	88.37	86.71	85.91	90.42	95.43	100.59	104.72	108.03	110.32
15	131.26	117.95	107.26	87.44	86.52	86.25	91.27	96.25	101.36	105.40	108.36	110.59
20	131.15	115.75	104.62	87.53	86.39	86.94	92.02	97.07	102.01	105.96	108.78	110.94
25	130.93	112.83	100.26	87.62	86.21	87.64	92.90	97.95	102.71	106.54	109.17	111.19
Eom	129.43	111.07	94.47	87.53	86.05	88.52	93.82	98.92	103.38	107.12	109.57	111.57
1970												
5	111.87	113.36	114.46	109.47	110.52	113.99	117.07	120.97	124.80	127.85	129.85	131.12
10	112.19	113.57	114.24	108.99	111.00	114.43	117.78	121.62	125.33	128.17	130.05	131.30
15	112.41	113.76	113.69	108.89	111.61	114.84	118.33	122.32	125.82	128.52	130.34	131.30
20	112.59	113.95	112.76	109.05	112.32	115.28	118.96	122.95	126.31	128.84	130.65	131.31
25	112.79	114.22	111.62	109.45	112.85	115.84	119.59	123.49	126.80	129.09	130.89	131.24
Eom	113.08	114.34	110.35	109.95	113.36	116.47	120.31	124.26	127.37	129.52	131.09	131.14

Mendocino CountyLaytonville Area

393837N1232818.1. Local number 21N/14W-30M1 M. 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, casing information not available. 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, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after Apr. 18, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1966	4.99	Apr. 18, 1966	4.11	Oct. 3, 1967	17.2	Oct. 15, 1969	15.5
Feb. 23	4.01	Oct. 5	18.8	Apr. 9, 1968	5.6	Apr. 9, 1970	6.8
Apr. 5	4.87	Apr. 11, 1967	7.1	Apr. 10, 1969	3.7	Oct. 14	17.1

Little Lake Valley

392459N1232103.1. Local number 18N/13W-18E1 M. Northwestern Pacific RR. At Willits. Drilled unused artesian well in alluvium of Holocene age and continental deposits of Pliocene and Pleistocene age, diam 12 in, depth 493 ft, casing information not available. 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: 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after Apr. 20, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1966	22.74	Apr. 20, 1966	24.14	Oct. 2, 1967	26.2	Oct. 16, 1969	30.9
Feb. 23	25.67	Oct. 6	28.6	Apr. 8, 1968	25.3	Apr. 9, 1970	25.2
Mar. 23	24.24	Apr. 10, 1967	20.7	Apr. 10, 1969	25.4	Oct. 15	29.4

Potter Valley

391944N1230657.1. Local number 17N/11W-18J1 M. Carson. About 2.5 mi southeast of Potter Valley. Drilled domestic artesian well in alluvium, diam 8 in, depth 36 ft, casing information not available. Lsd 955 ft above msl. Highest water level 1.33 above lsd, Mar. 22, 1966; lowest 5.20 below lsd, Oct. 13, 1964. Records available: 1951-55, 1958-68. Measurement discontinued Dec. 31, 1968. Measurements after Apr. 19, 1966, by California Department of Water Resources. Jan. 18, 1966, +0.23; Feb. 23, +0.70; Mar. 22, +1.33; Apr. 19, +1.11; Mar. 22, 1967, +0.8; Apr. 11, 1968, +0.5.

Round Valley

394802N1231157.1. Local number 22N/12W-4B1 M. C. Rohn. About 2.5 mi east of Covelo. Drilled irrigation artesian well in alluvium of Holocene age, diam 12 in, depth 200 ft, casing information not available. 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: 1951-70. Measurement discontinued Dec. 31, 1970. Measurements after Apr. 21, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1966	5.66	Apr. 20, 1966	6.28	Oct. 2, 1967	13.8	Oct. 16, 1969	15.6
Feb. 23	5.74	Oct. 5	15.0	Apr. 9, 1968	6.3	Apr. 9, 1970	6.4
Apr. 6	6.16	Apr. 11, 1967	4.4	Apr. 10, 1969	6.4	Oct. 15	16.5

Sanel Valley

385800N1230648.1. Local number 13N/11W-19P1 M. Charles Ashurst. About 0.4 mi south of Hopland. Dug and drilled irrigation water-table well in alluvium of Holocene age, size 4 x 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, 1958-68. Measurement discontinued Dec. 31, 1968. Measurements after Apr. 21, 1966, by California Department of Water Resources. Jan. 18, 1966, 8.15; Feb. 23, 9.02; Mar. 24, 9.39; Apr. 21, 10.28; Mar. 22, 1967, 8.2; Apr. 10, 1968, 10.2.

385831N1230522.1. Local number 13N/11W-20G1 M. I. Bliss. About 0.5 mi east of East Hopland. Drilled domestic artesian well in alluvium of Holocene age, diam 6 in, depth 135 ft, casing information not available. Lsd 515 ft above msl. Highest water level 2.3 below lsd, Feb. 8, 1960; lowest 64.21 below lsd, Oct. 4, 1961. Records available: 1953-55, 1958-68. Measurement discontinued Dec. 31, 1968. Measurements after Apr. 21, 1966, by California Department of Water Resources. Jan. 18, 1966, 4.55; Feb. 23, 4.58; Mar. 24, 4.71; Apr. 21, 4.99; Mar. 22, 1967, 4.2; Apr. 10, 1968, 4.8.

Ukiah Area

391026N1231232.1. Local number 15W/12W-8L1 M. Arnold Bogner. About 1 mi north of Ukiah. Drilled domestic water-table well in terrace deposits of Holocene age, diam 12 in, depth 62 ft, casing information not available. Lsd 665 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, 1958-68. Measurement discontinued Dec. 31, 1968. Measurements after Apr. 21, 1966, by California Department of Water Resources. Jan. 18, 1966, 16.14; Feb. 23, 16.98; Mar. 24, 17.63; Apr. 21, 19.15; Mar. 22, 1967, 16.3; Apr. 10, 1968, 18.0.

Napa County

Napa Valley

381730N1221632.1. Local number 5N/4W-11M1 M. DeWitt Machine Shop. Napa. Drilled water-table well (occasionally used to test pumps) in alluvium (previously reported younger and older alluvium), diam 8 in, depth 77 ft, casing information not available. Lsd 13 ft above msl. Highest water level 2.56 below lsd, Jan. 22, 1951 (previously reported 3.82 below lsd, Apr. 16, 1963); lowest 10.5 below lsd, Sept. 8, 1950. Records available: 1950-69. Measurement discontinued July 1, 1969. Measurements after Apr. 18, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1966	5.17	Oct. 17, 1966	8.7	Sept. 19, 1967	8.2	Nov. 19, 1968	7.3
Feb. 23	4.32	Nov. 16	7.1	Oct. 18	8.0	Dec. 12	7.1
Mar. 15	5.93	Dec. 14	4.7	Nov. 15	7.7	Jan. 16, 1969	4.7
Apr. 18	6.78	Jan. 18, 1967	7.1	Mar. 19, 1968	4.7	Feb. 21	4.4
May 17	7.8	Feb. 15	5.2	Apr. 15	6.9	Mar. 21	5.8
June 15	8.1	Mar. 20	4.3	May 14	7.6	Apr. 15	6.7
July 20	8.1	Apr. 24	3.7	Sept. 19	8.6	May 12	6.8
Aug. 17	8.9	May 17	6.0	Oct. 15	8.6	June 16	8.1
Sept. 19	8.5	Aug. 15	7.0				

382218N1221901.1. Local number 6N/4W-17A1 M. R. Ohlandt. About 4 mi north of Napa. Drilled irrigation water-table well in alluvium (previously reported younger and older alluvium), diam 12 in, depth 250 ft, cased to 250. Lsd 67 ft above msl. Highest water level 0.6 below lsd, Feb. 21, 1969; lowest 23.7 below lsd, Oct. 6, 1960. Records available: 1949-69. Measurement discontinued July 1, 1969. Measurements after Apr. 18, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1966	5.97	Oct. 17, 1966	18.7	Sept. 19, 1967	12.0	Nov. 19, 1968	14.6
Feb. 23	5.63	Nov. 16	17.1	Oct. 18	12.0	Dec. 12	14.2
Mar. 15	5.52	Dec. 14	9.4	Nov. 15	11.5	Jan. 16, 1969	8.5
Apr. 18	7.19	Jan. 18, 1967	9.9	Mar. 19, 1968	4.8	Feb. 21	6
May 17	12.2	Feb. 15	2.6	Apr. 15	5.2	Mar. 21	1.6
June 15	18.3	Mar. 20	2.5	May 14	8.5	Apr. 15	3.3
July 20	16.1	Apr. 24	1.7	Sept. 19	16.1	May 12	5.1
Aug. 18	(a)	May 17	3.2	Oct. 15	16.2	June 16	8.2
Sept. 19	18.8	Aug. 15	12.0				

a Well being pumped.

382750N1222504.1. Local number 7N/5W-16B2 M. W. E. Lawson. About 0.25 mi northeast of Rutherford. Drilled unused water-table well in alluvium (previously reported younger and older alluvium), diam 10 in, depth 232 ft, casing information not available. 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, 1955-69. Measurement discontinued July 1, 1969. Measurements after Apr. 18, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1966	8.27	Oct. 17, 1966	18.7	Sept. 19, 1967	13.6	Nov. 19, 1968	16.5
Feb. 23	7.74	Nov. 16	16.7	Oct. 18	14.7	Dec. 12	15.0
Mar. 15	8.11	Dec. 14	10.7	Nov. 15	15.1	Jan. 16, 1969	8.0
Apr. 18	9.17	Jan. 18, 1967	9.9	Mar. 19, 1968	7.2	Feb. 21	5.4
May 19	10.9	Feb. 15	6.2	Apr. 15	8.2	Mar. 21	6.2
June 15	13.0	Mar. 20	5.6	May 14	9.9	Apr. 15	7.4
July 20	14.1	Apr. 24	6.5	Sept. 19	16.5	May 12	10.2
Aug. 18	13.4	May 17	8.2	Oct. 15	16.8	June 16	10.6
Sept. 19	16.6	Aug. 15	10.7				

383326N1223118.1. Local number 8N/6W-10Q1 M. Marolf Bros. About 3.5 mi southeast of Calistoga. Drilled stock and irrigation water-table well in alluvium (previously reported younger and older alluvium), diam 10 in, depth 184 ft, casing information not available. Lsd 290 ft above msl. Highest water level 0.1 above lsd, Mar. 20, 1967; lowest 40.8 below lsd, Sept. 14, 1950. Records available: 1949-69. Measurement discontinued July 1, 1969. Measurements after Apr. 18, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1966	-1.68	Oct. 17, 1966	-9.6	Sept. 19, 1967	b-13.0	Nov. 19, 1968	-6.6
Feb. 23	1.20	Nov. 16	9.5	Oct. 18	5.2	Dec. 12	5.8
Mar. 15	1.27	Dec. 14	1.5	Nov. 15	4.9	Jan. 16, 1969	1.4
Apr. 18	1.56	Jan. 18, 1967	1.9	Mar. 19, 1968	1.1	Feb. 21	1.5
May 19	3.4	Feb. 15	-1.4	Apr. 15	1.7	Mar. 21	1.5
June 15	4.3	Mar. 20	+1	May 14	2.5	Apr. 15	2.1
July 20	6.1	Apr. 24	-1.0	Sept. 19	16.5	May 12	2.7
Aug. 18	7.8	May 17	1.6	Oct. 15	7.9	June 16	2.9
Sept. 19	8.7	Aug. 22	4.0				

b Well pumped recently.

Orange County

Coastal Plain

334837N1180400.1. Local number 4S/11W-19K1 S. 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, 1929-70. Records furnished by city of Long Beach.

Jan. 31, 1966	26.63	Apr. 24, 1967	23.58	July 22, 1968	144.68	Oct. 27, 1969	132.68
Feb. 28	26.14	May 29	130.76	Aug. 19	144.98	Nov. 24	27.28
Mar. 28	27.83	June 26	133.33	Sept. 23	144.48	Dec. 22	28.18
Apr. 25	137.46	July 24	137.43	Oct. 14	141.18	Jan. 26, 1970	23.58
May 30	142.58	Aug. 28	140.58	Nov. 25	131.43	Feb. 23	24.28
June 30	141.56	Sept. 25	140.98	Dec. 16	130.38	Mar. 20	26.38
July 25	148.44	Oct. 30	137.33	Jan. 27, 1969	25.58	Apr. 23	133.28
Aug. 22	146.96	Nov. 27	132.08	Feb. 17	24.48	May 25	137.78
Sept. 29	144.28	Dec. 26	26.48	Mar. 24	23.23	June 22	136.38
Oct. 24	140.13	Jan. 22, 1968	26.48	Apr. 21	26.63	July 27	145.98
Nov. 28	131.73	Feb. 19	26.33	May 26	132.43	Aug. 24	145.68
Dec. 26	26.69	Mar. 25	27.78	June 23	132.18	Sept. 21	140.58
Jan. 23, 1967	24.45	Apr. 22	133.98	July 28	138.98	Oct. 26	134.53
Feb. 20	24.96	May 20	135.88	Aug. 25	141.88	Nov. 23	133.78
Mar. 27	25.83	June 24	147.63	Sept. 22	140.78	Dec. 28	25.88

j Water level below sea level.

334226N1175047.1. Local number 5S/9W-29M1 S. 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, casing information not available. 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: 1932-66. Measurement discontinued in 1966. Records furnished by Orange County Flood Control District.

Jan. 25, 1966	26.48	Apr. 20, 1966	32.41	Sept. 20, 1966	46.0	Nov. 14, 1966	42.9
Feb. 15	28.57	May 10	39.39	Oct. 19	46.7	Dec. 16	34.9
Mar. 10	31.32	Aug. 11	47.2				

Riverside County

Chuckwalla Valley

335133N1151419.1. Local number 4S/17E-6C1 S. Harold Stark. About 1 1/4 mi northeast of Desert Center. Drilled domestic and irrigation water-table well in alluvium, diam 16 in, depth 501 ft, casing information not available. Lsd 500 ft above msl. Highest water level 21 below lsd, May 21, 1952, lowest 25.02 below lsd, Apr. 23, 1969. Records available: 1932, 1952, 1954-57, 1959, 1961-70.

Mar. 3, 1966	22.50	Oct. 26, 1967	22.95	Apr. 23, 1969	25.02	Apr. 29, 1970	23.15
Oct. 28	22.74	Apr. 8, 1968	22.80	Oct. 23	24.72	Oct. 27	23.55
Mar. 16, 1967	22.55	Nov. 7	22.71				

334702N1152141.1. Local number 5S/16E-7M2 S. H. C. Brown. About 3 1/4 mi northeast of Desert Center. Drilled unused water-table well in alluvium, diam 14 in, depth 789 ft, casing information not available. Lsd 611 ft above msl. Highest water level 123.62 below lsd, Mar. 2, 1966; lowest 146.46 below lsd, July 21, 1962. Records available: 1959, 1961-70.

Mar. 2, 1966	123.62	Oct. 26, 1967	126.43	Apr. 23, 1969	127.35	May 1, 1970	127.38
Oct. 28	126.84	Apr. 8, 1968	126.83	Oct. 23	127.46	Oct. 27	126.41
Mar. 16, 1967	125.10	Nov. 7	126.86				

333502N1145325.1. Local number 7S/20E-4R1 S. Vada McBride. About 30 mi east of Desert Center. Drilled unused water-table well in alluvium, diam 16 in, depth 316 ft, casing information not available. Lsd 418 ft above msl. Highest water level 150.66 below lsd, Mar. 2, 1966; lowest 151.83 below lsd, June 12, 1961. Records available: 1961-67, 1969-70. No measurement made in 1968. Mar. 2, 1966, 150.66; Oct. 27, 150.89; Mar. 16, 1967, 150.92; Oct. 25, 150.86; Oct. 23, 1969, 150.89; Apr. 30, 1970, 150.95.

Joshua Tree National Monument

340039N1161057.1 (revised). 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 water-table well in residuum, diam 8 in, depth 290 ft, casing information not available. 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: 1961-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1966	213.69	Oct. 25, 1967	215.46	Apr. 22, 1969	216.65	Apr. 8, 1970	217.84
Oct. 26	214.50	Apr. 4, 1968	215.81	Oct. 24	216.80	Oct. 29	218.59
Mar. 15, 1967	214.93	Oct. 29	216.15				

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 Rd. at Mission well. Drilled domestic water-table well in alluvium, diam unknown, depth 444 ft, casing information not available. Lsd 1,350 ft above msl. Highest water level 400.35 below lsd, Mar. 14, 1963; lowest 410.2 below lsd, Mar. 18, 1965. Records available: 1961-70. Mar. 3, 1966, 400.91; Oct. 28, 400.51; Mar. 17, 1967, 400.51; Oct. 26, 400.37; Apr. 5, 1968, 400.61; Apr. 23, 1969, 402.53; Apr. 8, 1970, 403.47.

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 water-table well in alluvium, diam 16 in, depth 575 ft, casing information not available. Lsd 1,080.6 ft above msl. Highest water level 150 below lsd, Dec. 4, 1954; lowest 166.17 below lsd, Oct. 28, 1970. Records available: 1954-70.

Mar. 2, 1966	c161.95	Oct. 26, 1967	c163.78	Apr. 23, 1969	(a)	May 2, 1970	c164.86
Oct. 27	c162.94	Apr. 8, 1968	(a)	Oct. 23	165.06	Oct. 28	c166.17
Mar. 17, 1967	c163.38						

a Well being pumped.

c Nearby well being pumped.

334712N1154856.1. Local number 4S/11E-27Q1 S. National Park Service (Cottonwood well). In Smoketree Wash $\frac{3}{4}$ mi north of Cottonwood Spring. Drilled public-supply water-table well in alluvium, diam 12 in, depth 403 ft, casing information not available. Lsd 2,975 ft above msl. Highest water level 170.29 below lsd, Mar. 12, 1959; lowest 191.48 below lsd, Apr. 23, 1969. Records available: 1958-61, 1963-70.

Mar. 3, 1966	179.44	Oct. 26, 1967	181.84	Apr. 23, 1969	191.48	Apr. 8, 1970	188.87
Oct. 28	179.49	Apr. 5, 1968	183.04	Oct. 23	187.26	Oct. 28	189.40
Mar. 17, 1967	180.59	Nov. 7	182.22				

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, casing information not available. 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: 1962-67, 1969. No measurement made in 1968, 1970. Mar. 2, 1966, 150.88; Oct. 27, 150.76; Mar. 16, 1967, 150.76; Oct. 25, 150.66; Oct. 23, 1969, 150.70.

San Jacinto Valley

334657N1171322.1. Local number 4S/3W-32E1 S. James Malcolm. Fourth and F Sts., Perris. Drilled observation water-table well in alluvium, diam 16 in, depth and casing information not available. Lsd 1,433 ft above msl. Highest water level 62.45 below lsd, Apr. 26, 1948, lowest dry, Mar. 27, June 5, 1967. Records available: 1929-43, 1945-67. Measurement discontinued in 1967. Records furnished by Riverside County Flood Control and Water Conservation District.

Jan. 12, 1966	75.8	July 7, 1966	76.2	Oct. 25, 1966	76.0	Mar. 27, 1967	(f)
Feb. 3	76.1	Aug. 5	76.0	Dec. 13	75.9	May 2	75.7
Mar. 7	75.7	Sept. 6	76.1	Jan. 11, 1967	76.0	June 5	(f)
25	75.8	Oct. 6	76.0	Feb. 3	76.3		

f Dry.

334228N1170453.1. Local number 5S/2W-27E2 S. 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: 1930-69. Measurement discontinued in 1969. Records furnished by Riverside County Flood Control and Water Conservation District.

Jan. 12, 1966	62.2	Feb. 3, 1967	62.2	Mar. 7, 1968	62.2	Feb. 14, 1969	62.6
Feb. 3	61.7	Mar. 8	62.0	29	62.2	Mar. 7	62.4
Mar. 7	61.4	Aug. 28	62.1	May 15	62.2	Apr. 9	62.1
Apr. 22	62.2	May 2	61.8	June 12	62.4	May 9	61.9
May 27	62.3	June 6	62.1	July 10	62.5	June 6	61.8
July 7	62.5	July 11	62.0	Aug. 7	62.6	27	61.7
Aug. 6	62.8	Aug. 8	62.2	Sept. 12	62.6	Aug. 6	61.6
Sept. 6	62.8	Sept. 8	62.4	Oct. 9	64.1	28	61.5
Oct. 7	63.4	Oct. 26	62.4	Nov. 12	62.8	Oct. 2	61.4
26	62.4	Dec. 7	62.5	Dec. 13	62.8	Nov. 6	61.4
Dec. 16	62.4	Jan. 5, 1968	62.3	Jan. 8, 1969	62.7	Dec. 15	60.6
Jan. 11, 1967	62.3	Feb. 8	62.2				

334050N1171014.1. Local number 6S/3W-3H2 S. 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 186.9 below lsd, Oct. 3, 1968. Records available: 1958-69. Measurement discontinued in 1969. Records furnished by Riverside County Flood Control and Water Conservation District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1966	160.57	Jan. 10, 1967	161.7	Feb. 7, 1968	(a)	Feb. 13, 1969	166.3
Feb. 2	149.77	Feb. 6	160.3	Mar. 5	(a)	Mar. 6	165.0
Mar. 9	158.09	Mar. 6	161.3	29	(a)	Apr. 9	163.5
9	158.65	28	(a)	May 8	(a)	May 8	(a)
Apr. 22	(a)	May 4	(a)	June 11	b188.0	June 5	(a)
May 26	(a)	June 2	(a)	July 9	(a)	26	(a)
July 7	(a)	July 7	(a)	Aug. 6	(a)	Aug. 6	(a)
Aug. 5	(a)	Aug. 7	c186.3	Sept. 5	(a)	27	(a)
Sept. 7	(a)	Sept. 7	c182.8	Oct. 3	186.9	Oct. 2	171.2
Oct. 6	(a)	Oct. 26	c176.8	Nov. 12	171.6	Nov. 6	175.8
25	(a)	Dec. 8	c165.9	Dec. 13	171.4	Dec. 15	(a)
Dec. 15	163.3	Jan. 8, 1968	c164.2	Jan. 7, 1969	(a)		

a Well being pumped.

b Well pumped recently.

c Nearby well being pumped.

San Bernardino County

Chino Basin

340420N1172346.1. Local number 1S/5W-22E1 S. 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 236.8 below lsd, Oct. 7, 1927; lowest 295.8 below lsd, Jan. 25, 1968. Records available: 1927-69. Measurement discontinued in 1969. Records furnished by San Bernardino County Flood Control District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1966	291.1	Dec. 2, 1966	293.0	Nov. 14, 1967	293.4	Mar. 14, 1969	294.1
31	291.0	15	293.0	Jan. 25, 1968	295.8	Apr. 3	294.0
Mar. 3	291.0	Jan. 12, 1967	292.5	Mar. 6	295.7	May 8	294.1
Apr. 1	291.1	Mar. 9	292.8	Apr. 24	292.4	June 4	294.4
May 5	291.4	Apr. 14	292.5	June 13	293.7	July 15	294.5
June 2	291.5	May 5	292.8	July 10	295.3	Aug. 13	294.5
29	291.9	June 14	292.9	Aug. 6	293.5	Sept. 3	294.3
Aug. 4	292.7	July 13	292.7	Sept. 4	294.6	Oct. 16	294.2
29	292.8	Aug. 2	293.4	Jan. 9, 1969	294.2	Nov. 20	292.5
Oct. 6	292.6	Sept. 14	293.7	Feb. 14	294.1	Dec. 5	292.6
Nov. 3	293.0	Oct. 5	293.6				

Coyote Lake Valley Area

350547N1164813.1. Local number 12N/2E-31A1 S. 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: 1955-68, 1970. No measurement made in 1969. Mar. 15, 1966, 56.08; Oct. 18, 56.21; Mar. 14, 1967, 56.13; Nov. 13, 1968, 56.30; Oct. 28, 1970, 56.22.

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 138 ft, cased with steel. Lsd 1,075 ft above msl. Highest water level 15.36 below lsd, Feb. 19, 1954; lowest 21.80 below lsd, Nov. 13, 1968. Records available: 1954-66, 1968. No measurement made in 1967, 1969-70. Oct. 18, 1966, 21.15; Nov. 13, 1968, 21.80.

Cuddeback Valley Area

351903N1171919.1 (revised). Local number 30S/42E-20D1 M. Owner unknown. About 8 1/4 mi south-east 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 89.74 below lsd, July 31, 1967; lowest 93.20 below lsd, Oct. 30, 1956. Records available: 1953, 1955-68. No measurement made in 1969-70. Mar. 14, 1966, 90.04; Oct. 17, 90.04; Mar. 13, 1967, 90.54; July 31, 1968, 89.74; Nov. 12, 93.18.

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 27.03 below lsd, Mar. 15, 1967; lowest 30.78 below lsd, Dec. 15, 1964. Records available: 1948, 1950-67, 1969-70. No measurement made in 1968. Mar. 1, 1966, 30.23; Oct. 27, 27.23; Mar. 15, 1967, 27.03; Oct. 25, 27.20; Oct. 23, 1969, 27.26; Oct. 29, 1970, 28.38.

Harper Valley Area

350358N1171422.1. Local number 11N/3W-7D1 S. 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 66.50 below lsd, Nov. 11, 1970. Records available: 1953-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 16, 1966	63.37	Mar. 31, 1967	64.0	July 10, 1968	64.88	Apr. 11, 1969	66.0
May 4	63.4	Oct. 23	64.50	Nov. 14	65.26	Oct. 28	66.03
Oct. 19	63.73	Apr. 11, 1968	64.82	21	65.3	Mar. 23, 1970	66.39
Nov. 17	63.7	May 3	65.0	Apr. 8, 1969	65.58	Nov. 11	66.50
Mar. 15, 1967	64.55						

350039N1171853.1. Local number 11N/4W-29R1 S. 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 133.56 below lsd, July 11, 1968. Records available: 1953-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 16, 1966	104.65	Oct. 23, 1967	115.87	Nov. 14, 1968	119.02	Mar. 23, 1970	128.38
Oct. 19	113.93	Apr. 11, 1968	126.65	Apr. 8, 1969	121.00	Nov. 12	127.94
Mar. 15, 1967	108.18	July 11	133.56	Oct. 28	124.69		

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 58.60 below lsd, May 6, 1954; lowest 58.43 below lsd, Apr. 7, 1970. Records available: 1954-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 6, 1966	55.51	Oct. 24, 1967	55.65	Apr. 21, 1969	55.39	Apr. 7, 1970	58.43
Oct. 24	55.74	Apr. 4, 1968	55.50	Oct. 22	55.51	Nov. 20	55.69
Mar. 14, 1967	55.42	Nov. 5	55.82				

Lucerne Valley Area

342602N1165019.1. Local number 4N/1E-13M1 S. E. A. Taylor. About 6½ mi east 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 112.3 below lsd, Apr. 4, 1968; lowest 175.69 below lsd, Apr. 21, 1969. Records available: 1953-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 6, 1966	174.03	Oct. 24, 1967	171.9	Apr. 21, 1969	175.69	Apr. 7, 1970	174.86
Oct. 24	173.85	Apr. 24, 1968	112.3	Oct. 22	171.75	Nov. 13	175.10
Mar. 14, 1967	174.6	Nov. 5	(a)				

a Well being pumped.
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 122.82 below lsd, Nov. 13, 1970. Records available: 1954-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 6, 1966	103.81	Oct. 23, 1967	113.79	Apr. 3, 1969	116.74	Apr. 6, 1970	120.29
Oct. 20	109.98	Apr. 3, 1968	113.34	Oct. 22	114.01	Nov. 13	122.82
Mar. 13, 1967	110.37	Nov. 5	113.81				

b Well pumped recently.

342825N1165659.1. Local number 5N/1W-35Q1 S. 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 59.73 below lsd, Nov. 5, 1968. Records available: 1954-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 6, 1966	48.74	Oct. 23, 1967	51.13	Nov. 5, 1968	59.73	Oct. 22, 1969	56.31
Oct. 18	55.00	Apr. 3, 1968	56.8	Apr. 3, 1969	54.60	Apr. 6, 1970	53.78
Mar. 13, 1967	53.46						

Mojave River Basin

Lower Basin

344747N1163104.1. Local number 8N/4E-12L1 S. L. A. Shepherd. 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. Lsd 1,809.86 ft above msl. Highest water level 30.39 below lsd, Mar. 27, 1958; lowest 43.97 below lsd, Oct. 29, 1969. Records available: 1930, 1932, 1935-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1966	31.84	Oct. 24, 1967	33.11	Apr. 8, 1969	37.20	Mar. 24, 1970	43.86
Oct. 19	35.14	Nov. 14, 1968	34.35	Oct. 29	43.97	Nov. 11	43.50

345217N1165013.1. Local number 9N/1E-13E2 S. 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. Lsd 1,949.6 ft above msl. Highest water level 54.46 below lsd, Apr. 26, 1944; lowest 99.49 below lsd, Oct. 22, 1968. Records available: 1925-27, 1930-33, 1935-70.

345217N1165013.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 16, 1966	94.96	Mar. 11, 1968	97.77	Apr. 8, 1969	97.34	Mar. 18, 1970	96.37
Oct. 19	96.61	June 18	98.66	July 15	95.86	July 14	97.48
Mar. 15, 1967	95.72	Oct. 22	99.49	Oct. 29	96.12	Oct. 19	97.70
Oct. 24	97.70						

345110N1164736.1. Local number 9N/2E-20Q1 S. Daggett Airport. About 5 1/2 mi east of Daggett. Drilled domestic water-table well in alluvium, diam 12 in, depth 120 ft, cased with steel. Lsd 1,921.35 ft above msl. Highest water level 41.81 below lsd, Nov. 15, 1945; lowest 75.00 below lsd, Nov. 11, 1970. Records available: 1932, 1941-48, 1952-70.

Mar. 16, 1966	70.67	Oct. 24, 1967	73.63	Apr. 10, 1969	74.19	Mar. 19, 1970	73.48
Oct. 19	72.12	Mar. 14, 1968	73.46	Oct. 29	73.78	Nov. 11	75.00
Mar. 15, 1967	72.19	Nov. 14	74.64				

345114N1164232.1. Local number 9W/3E-19P1 S. J. G. Frey. About 2 mi northwest of Newberry. Drilled unused artesian well in alluvium, diam 12 in, depth 151 ft, cased with steel. Lsd 1,856.8 ft above msl. Highest water level flowing Jan. 3, May 10, Nov. 16, 1945, May 2, 1946, May 23, 1947; lowest 21.80 below lsd, Nov. 11, 1970. Records available: 1919, 1922, 1930-35, 1938-48, 1951-70.

Mar. 15, 1966	16.23	Oct. 24, 1967	18.24	Nov. 14, 1968	17.89	Mar. 24, 1970	19.59
Oct. 18	15.15	Mar. 14, 1968	18.29	Apr. 9, 1969	18.77	Nov. 11	21.80
Mar. 14, 1967	16.29	Apr. 10	19.25	Oct. 28	20.44		

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 41.70 below lsd, Apr. 9, 1969; lowest 47.79 below lsd, Oct. 20, 1966. Records available: 1958-70.

Mar. 17, 1966	43.20	Oct. 25, 1967	45.10	Apr. 9, 1969	41.70	Mar. 24, 1970	43.61
Oct. 20	47.79	Apr. 11, 1968	44.20	Oct. 30	44.51	Nov. 12	45.88
Mar. 16, 1967	42.82	Nov. 15	46.74				

343727N1172542.1. Local number 6N/5W-8F1 S. Lockwood. 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 83.46 below lsd, Mar. 23, 1970. Records available: 1947-70.

Mar. 14, 1966	78.85	Oct. 23, 1967	78.05	Apr. 7, 1969	a84.23	Mar. 23, 1970	83.46
Oct. 17	a79.37	Apr. 10, 1968	80.85	Oct. 28	a87.76	Oct. 27	83.10
Mar. 13, 1967	83.05	Nov. 12	83.07				

a Well being pumped.

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, 1958-68. No measurement made in 1969. Measurement discontinued Mar. 23, 1970. Mar. 14, 1966, 149.11; Oct. 17, 147.99; Oct. 23, 1967, 146.35; Apr. 10, 1968, 145.81.

344728N1171456.1. Local number 8N/4W-12Q1 S. Joseph Taylor. Near Wild Crossing. Drilled irrigation water-table well in alluvium, diam 4 ft, depth unknown, cased with brick. Lsd 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, 1943-70.

Mar. 16, 1966	28.6	Apr. 11, 1968	15.68	Apr. 9, 1969	13.67	Mar. 24, 1970	all.52
Oct. 19	19.34	Nov. 15	19.9	Oct. 30	12.78	Nov. 12	14.82
Mar. 15, 1967	18.61						

a Well being pumped.

344401N1171947.1. Local number 8N/4W-31R1 S. Fred Orebaugh. About 1 mi southwest of Helen-dale. Dug and drilled unused water-table well in alluvium, diam 14 in, depth 60 ft, casing information not available. Lsd 2,449 ft above msl. Highest water level 14.10 below lsd, Apr. 25, 1946; lowest 29.43 below lsd, Nov. 15, 1968. Records available: 1930-32, 1934-70.

Mar. 17, 1966	b21.32	Oct. 25, 1967	28.70	Apr. 8, 1969	21.05	Mar. 24, 1970	a19.60
Oct. 20	28.85	Apr. 11, 1968	23.94	Oct. 30	a25.47	Nov. 12	22.02
Mar. 16, 1967	22.57	Nov. 15	29.43				

a Well being pumped.

b Well pumped recently.

345420N1170807.1 (revised). 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. Lsd 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: 1958-66. Well destroyed; measurement discontinued Oct. 17, 1966. Mar. 14, 1966, 42.26.

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. Lsd 2,212.0 ft above msl. Highest water level 51.1 below lsd, Dec. 19, 1930; lowest 111.34 below lsd, Mar. 23, 1970. Records available: 1930-32, 1958-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 16, 1966	103.15	Oct. 23, 1967	104.68	Apr. 8, 1969	106.60	Mar. 23, 1970	111.34
Oct. 19	104.12	Apr. 11, 1968	104.73	Oct. 28	110.37	Nov. 11	110.67
Mar. 15, 1967	104.39	Nov. 14	104.29				

Upper Basin

342243N1171413.1. Local number 3W/3W-6E2 S. McBain. Near the Mojave River about ¼ mi south-east 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: 1948-70.

Apr. 5, 1966	5.32	Oct. 26, 1967	22.70	Apr. 3, 1969	4.71	Oct. 26, 1970	6.52
Oct. 18	37.38	Apr. 10, 1968	5.03	Oct. 22	24.18	Oct. 8	35.40
Mar. 22, 1967	4.37	Nov. 5	36.38				

342612N1171416.1. Local number 4N/3W-18E1 S. 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 56.84 below lsd, Nov. 12, 1964. Records available: 1930-32, 1935, 1938-70. Measurement discontinued in 1970.

Apr. 5, 1966	50.32	Oct. 26, 1967	40.34	Apr. 3, 1969	29.04	Oct. 22, 1969	43.81
Oct. 18	50.62	Apr. 10, 1968	44.41	8	28.29	Mar. 26, 1970	41.59
Mar. 22, 1967	39.12	Nov. 5	53.38				

343122N1170945.1. Local number 5N/3W-14G1 S. Owner unknown. About 1½ mi northeast of Apple Valley. Drilled unused water-table well in alluvium, diam 8 in, depth and casing information not available. 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, 1964-70.

Apr. 5, 1966	96.04	Oct. 26, 1967	93.10	Apr. 2, 1969	93.72	Mar. 26, 1970	94.18
Oct. 18	92.09	Apr. 9, 1968	93.15	Oct. 22	93.82	Oct. 7	95.05
Mar. 21, 1967	92.28	Nov. 5	93.61				

343150N1171515.1. Local number 5N/4W-11P1 S. A. Pratt. About 1½ 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, Apr. 11, 1954. Records available: 1931-32, 1935, 1937-70.

Apr. 5, 1966	59.9	Oct. 25, 1967	b57.58	Apr. 2, 1969	55.55	Mar. 25, 1970	57.07
Oct. 18	58.55	Apr. 9, 1968	b57.30	Oct. 22	57.21	Oct. 7	57.05
Mar. 21, 1967	55.81	Nov. 5	58.51				

b Well pumped recently.

343342N1173150.1. Local number 6N/6W-32K1 S. 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, 1949-66. Measurement discontinued in 1967. Apr. 5, 1966, 155.91; Oct. 17 (obstruction in well above water surface).

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 189.2 below lsd, Apr. 20, 1967, Dec. 4, 1968. Records available: 1947-70.

Feb. 28, 1966	172.09	Apr. 20, 1967	g189.2	Nov. 5, 1968	173.26	Oct. 22, 1969	180.26
Apr. 20	g174.2	Oct. 24	173.85	Dec. 4	g189.2	Nov. 6	g179.95
Oct. 25	172.78	Jan. 11, 1968	g172.8	Mar. 28, 1969	g176.65	Apr. 7, 1970	168.41
Nov. 14	g172.7	Apr. 4	172.80	Apr. 21	181.68	Nov. 12	179.57
Mar. 14, 1967	173.12	May 8	g173.4				

g Measurement made by San Bernardino County Flood Control District.

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 56.58 below lsd, Mar. 15, 1966. Records available: 1954-66. No measurement made in 1967. Well destroyed; measurement discontinued Nov. 13, 1968. Mar. 15, 1966, 56.58.

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, 1958-68, 1970. No measurement made in 1969. Mar. 15, 1966, 65.52; Oct. 18, 65.72; Mar. 14, 1967, 65.81; Nov. 13, 1968, 65.84; Oct. 30, 1970, 65.92.

Superior Valley Area

351554N1170141.1. Local number 31S/46E-2M1 M. Owner unknown. 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 124.00 below lsd, Apr. 1, 1922. Records available: 1915, 1922, 1954-68, 1970 (previously reported 1920, 1954-65; the year 1920 was published in error). No measurement made in 1969. (1915, 1922 records not previously published.) July 1915, 105; Apr. 1, 1922, 124.00; Mar. 14, 1966, 99.69; Oct. 17, 100.41; Mar. 13, 1967, 102.43; Aug. 22, 1968, 100.39; Oct. 28, 1970, 101.20.

Santa Ana River Basin

340718N1172041.1. Local number 1N/4W-32N1 S. 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 247.1 below lsd, Aug. 27, 1968. Records available: 1946-70. Records furnished by San Bernardino Municipal Water Department.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 9, 1966	210.6	Nov. 30, 1967	221.8	Feb. 26, 1969	214.6	Feb. 17, 1970	a202.90
Apr. 12	212.0	Jan. 16, 1968	219.5	Mar. 27	202.6	Mar. 19	188.10
July 12	215.7	Feb. 16	218.7	Apr. 23	199.6	Apr. 23	a204.70
Sept. 27	218.2	Mar. 28	219.9	June 19	a210.1	May 12	a207.10
Dec. 9	219.2	Apr. 18	218.3	Aug. 13	182.5	June 2	a207.30
Jan. 9, 1967	218.2	June 13	222.6	Sept. 18	186.7	29	a194.10
Mar. 14	214.2	Aug. 27	247.1	Oct. 28	185.4	Aug. 3	a207.40
Apr. 26	214.7	Oct. 24	228.7	28	a205.5	31	a208.70
May 26	216.3	24	246.5	Nov. 18	183.9	Oct. 6	172.90
Oct. 26	a240.5	Dec. 5	225.3	Dec. 17	b184.1	Nov. 2	170.20
26	219.9	Jan. 8, 1969	224.6	Jan. 22, 1970	a202.60	Dec. 4	170.80

a Well being pumped.

b Well pumped recently.

340416N1171322.1. Local number 1S/3W-17C3 S. 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 203.05 below lsd, Dec. 5, 1966. Records available: 1957-70. Measurement discontinued in 1970. Records furnished by Gage Canal Co.

Jan. 3, 1966	196.25	Jan. 2, 1967	200.35	Jan. 1, 1968	188.25	Jan. 6, 1969	197.15
Feb. 14	189.55	Feb. 6	196.45	Feb. 5	187.40	Feb. 3	196.20
Mar. 7	187.90	Mar. 6	194.25	Mar. 4	188.25	Apr. 7	143.45
Apr. 4	188.60	Apr. 3	194.55	Apr. 1	188.70	May 5	125.50
May 2	190.15	May 1	195.15	May 6	189.00	June 2	116.55
June 6	192.35	June 4	191.50	June 3	188.95	July 7	117.90
July 4	194.70	July 3	177.40	July 1	189.55	Aug. 4	125.10
Aug. 1	197.25	Aug. 7	176.85	Aug. 5	191.10	Sept. 1	132.70
Sept. 5	190.45	Sept. 3	182.80	Sept. 2	193.30	Oct. 6	142.85
Oct. 3	201.45	Oct. 1	187.50	Oct. 7	194.80	Nov. 3	146.05
Nov. 7	202.80	Nov. 6	188.55	Nov. 4	196.10	Dec. 1	149.10
Dec. 5	203.05	Dec. 4	188.00	Dec. 2	197.40	Jan. 5, 1970	151.65

340255N1171324.1. Local number 1S/3W-32D1 S. Hinckley. Windmill well. Near San Timoteo Canyon west of Redlands. Drilled unused water-table 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 227.1 below lsd, Sept. 27, 1966. Records available: 1900, 1904-07, 1910-60, 1963-69. Measurement discontinued in 1969. Records furnished by San Bernardino Valley Water Conservation District.

Jan. 19, 1966	210.4	Dec. 13, 1966	225.8	Feb. 7, 1968	212.5	Jan. 8, 1969	226.4
Feb. 25	207.3	Jan. 11, 1967	224.7	Mar. 9	212.5	30	222.4
Apr. 7	211.8	Mar. 28	211.9	Apr. 10	210.2	Apr. 1	212.8
June 11	214.5	June 1	213.1	May 4	213.3	26	214.2
July 1	217.5	Oct. 21	225.4	June 19	214.9	June 16	207.0
Aug. 2	223.4	Nov. 18	224.1	July 24	217.9	Aug. 12	206.4
31	224.8	Dec. 2	221.6	Aug. 21	226.9	Oct. 23	209.2
Sept. 27	227.1	Jan. 4, 1968	216.6				

340712N1171453.1. Local number 1S/4W-1A6 S. 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 below lsd, Mar. 25, 1917; lowest 148.75 below lsd, Nov. 30, 1967. Records available: 1915-70. Records furnished by owner.

Jan. 7, 1966	115.55	Feb. 10, 1967	125.15	Apr. 12, 1968	146.55	Oct. 27, 1969	129.15
Feb. 3	118.05	Mar. 15	129.95	June 6	138.85	Nov. 24	126.95
Mar. 3	117.55	Apr. 6	135.85	July 10	127.65	Dec. 30	119.05
Apr. 11	118.95	27	131.55	Aug. 30	130.55	Jan. 29, 1970	122.65
May 23	119.85	June 8	133.35	Sept. 5	131.35	Feb. 25	113.85
June 9	120.15	July 9	130.75	Nov. 29	132.65	Mar. 30	114.75
July 11	127.15	Aug. 4	127.15	Dec. 27	133.75	May 25	128.95
Aug. 11	121.85	Sept. 7	138.35	Jan. 3, 1969	132.15	June 29	126.65
Sept. 8	130.55	Oct. 12	144.35	Feb. 17	129.45	Aug. 24	125.65
Oct. 5	123.35	Nov. 9	147.25	Mar. 13	129.75	Oct. 28	127.65
Nov. 3	123.45	30	148.75	Apr. 29	130.05	Nov. 25	123.25
Dec. 2	123.75	Jan. 5, 1968	147.55	June 6	130.45	Dec. 7	118.85
11	121.45	Feb. 15	147.65	July 31	127.65	29	125.75
Jan. 6, 1967	124.15	Mar. 7	147.35	Aug. 7	126.75		

340517N1171749.1. Local number 1S/4W-29H2 S. 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: 1928-70. Records furnished by owner.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1966	106.30	Apr. 7, 1967	76.20	July 5, 1968	87.10	Nov. 3, 1969	24.00
Feb. 4	101.80	May 5	69.10	Aug. 2	112.10	Dec. 1	24.00
Mar. 4	94.80	June 2	69.70	Sept. 6	100.00	Jan. 5, 1970	21.00
Apr. 1	93.00	July 7	72.90	Oct. 4	101.30	Feb. 9	27.50
May 6	88.50	Aug. 5	80.50	Nov. 1	101.10	Mar. 2	27.90
June 4	90.60	Sept. 1	83.10	Dec. 6	101.40	Apr. 13	30.80
July 3	94.20	Oct. 6	87.20	Feb. 7, 1969	82.40	May 5	32.20
Aug. 5	95.40	Nov. 3	89.70	Mar. 10	64.70	June 1	28.70
Sept. 2	97.10	Dec. 1	87.30	Apr. 1	38.20	July 6	34.50
Oct. 7	101.00	Jan. 5, 1968	80.40	May 2	21.50	Aug. 3	27.60
Nov. 3	103.20	Feb. 2	76.90	June 6	22.70	Sept. 3	33.30
Dec. 2	97.10	Mar. 1	75.10	Aug. 25	16.50	Oct. 5	40.30
Jan. 6, 1967	88.20	Apr. 5	75.20	Sept. 1	15.60	Nov. 2	43.70
Feb. 3	79.30	May 3	81.10	Oct. 6	19.50	Dec. 9	41.20
Mar. 3	78.40	June 7	78.90				

Vidal Valley Area

341140N1143536.1. Local number 1N/23E-8D1 S. Metropolitan Water District of Southern California. About 1½ mi west of Vidal Junction. Drilled unused water-table well in alluvium, diam 16 in, depth 504 ft, casing information not available. 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: 1962-67, 1969. No measurement made in 1968, 1970. Mar. 2, 1966, 267.41; Oct. 27, 267.68; Mar. 16, 1967, 267.84; Oct. 25, 267.79; Oct. 23, 1969, 267.61.

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, casing information not available. Lsd 627 ft above msl. Highest water level 240.77 below lsd, Dec. 13, 1961; lowest dry, Oct. 25, 1967, Oct. 23, 1969. Records available: 1961-67, 1969. No measurement made in 1968, 1970. Mar. 2, 1966, 251.94; Oct. 27, 241.65; Mar. 16, 1967, 241.72; Oct. 25, (dry); Oct. 23, 1969, (dry).

Yucca Valley-Twenty-nine Palms Area

340808N1161337.1. 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: 1946-67. Measurement discontinued in 1967. Feb. 28, 1966, 171; Oct. 26, 170.2; Mar. 15, 1967, 169.04.

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 4.98 below lsd, Apr. 28, 1952; lowest 6.80 below lsd, Mar. 15, 1967. Records available: 1952-67. No measurement made in 1968-69. Measurement discontinued in 1970. Feb. 28, 1966, 6.50; Nov. 17, 6.79; Mar. 15, 1967, 6.80.

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 dry, Nov. 6, 1968, Apr. 22, Oct. 23, 1969. Records available: 1946-69. Measurement discontinued Apr. 18, 1970.

Feb. 28, 1966	110.99	Mar. 15, 1967	112.02	Apr. 4, 1968	(j)	Apr. 22, 1969	(f)
Oct. 26	111.65	Oct. 24	112.63	Nov. 6	(f)	Oct. 23	(f)

f Dry.

j Obstruction in well above water surface.

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 207.12 below lsd Apr. 21, 1969. Records available: 1947-70.

Feb. 28, 1966	190.00	Oct. 24, 1967	193.61	Apr. 21, 1969	207.12	Apr. 7, 1970	199.09
Oct. 25	191.55	Apr. 4, 1968	196.40	Oct. 22	196.49	Nov. 12	(j)
Mar. 14, 1967	192.33	Nov. 5	195.98				

j Obstruction in well above water surface.

San Diego County

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 185.62 below lsd, July 22, 1965. Records available: 1952-70.

331800N1162100.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1966	170.35	Aug. 1, 1966	171.44	Mar. 7, 1967	167.91	Oct. 13, 1967	167.76
Feb. 1	170.37	Sept. 7	170.96	23	167.50	Mar. 13, 1968	166.02
Mar. 3	170.59	Oct. 7	169.76	Apr. 11	167.30	Nov. 8	166.61
Apr. 5	172.60	26	169.35	May 4	167.35	Mar. 27, 1969	165.19
May 3	172.36	Dec. 9	169.06	June 6	170.88	Oct. 28	164.51
June 2	176.51	Jan. 13, 1967	168.00	22	171.34	Mar. 23, 1970	164.68
July 6	172.60	Feb. 13	167.61	Sept. 8	167.95	Nov. 10	165.59

331432N1161946.2. Local number 11S/6E-11D2 S. Kosky and 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: 1953-70.

Jan. 10, 1966	(a)	June 2, 1966	c59.50	Mar. 23, 1967	32.74	Nov. 8, 1968	33.77
Feb. 1	51.90	July 6	c61.34	June 22	33.93	Mar. 27, 1969	31.96
Mar. 4	a59.26	Aug. 1	(a)	Sept. 26	33.74	Oct. 28	34.45
Apr. 5	c51.61	Oct. 27	33.88	Oct. 24	33.97	Mar. 23, 1970	43.46
May 3	c57.92	Jan. 13, 1967	32.87	Mar. 13, 1968	32.62	Nov. 12	34.79

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 119.16 below lsd, Nov. 10, 1970. Records available: 1953-70.

Mar. 4, 1966	109.04	Oct. 24, 1967	108.61	Mar. 27, 1969	j110.51	Mar. 23, 1970	j110.42
Oct. 26	108.88	Mar. 12, 1968	j110.15	Oct. 28	109.89	Nov. 10	j119.16
Mar. 23, 1967	107.73	Nov. 8	109.81				

j Water level below sea level.

Otay River Basin

323540N1170430.1. Local number 18S/2W-22P1 S. 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: 1916-70.

Mar. 7, 1966	30.24	Jan. 18, 1967	30.33	Mar. 14, 1968	27.88	Oct. 29, 1969	27.92
May 10	30.46	Mar. 24	30.24	Oct. 28	28.07	Mar. 31, 1970	28.26
Aug. 12	30.27	Oct. 25	30.38	Apr. 10, 1969	27.60	Nov. 9	29.89
Oct. 27	31.30						

San Diego River Basin

325208N1165336.1. Local number 15S/1E-17H6 S. 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, 1961-70.

Mar. 7, 1966	53.65	Jan. 18, 1967	52.32	Mar. 14, 1968	52.54	Oct. 29, 1969	57.47
May 10	53.58	Mar. 24	52.34	Oct. 28	52.86	Mar. 31, 1970	57.84
Aug. 12	53.78	Oct. 25	52.43	Apr. 10, 1969	52.34	Nov. 9	55.66
Oct. 27	53.84						

324624N1170742.1. Local number 16S/2W-19D1 S. 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 37.4 ft above msl. Highest water level 14.80 below lsd, May 28, 1958; lowest 24.50 below lsd, Aug. 29, 1956. Records available: 1953-68. Well destroyed; measurement discontinued Dec. 4, 1968.

Mar. 7, 1966	15.15	Oct. 27, 1966	18.18	Mar. 24, 1967	16.36	Mar. 14, 1968	15.48
May 10	15.83	Jan. 18, 1967	15.67	Oct. 25	18.24	Oct. 28	17.88
Aug. 12	17.53						

San Dieguito River Basin

330522N1170057.1. Local number 12S/1W-31H2 S. City of San Diego. San Pasqual Valley. Drilled domestic water-table well in alluvium, diam 12 in, depth 85 ft, cased with steel. Lsd 37.4 ft above msl. Highest water level 3.59 below lsd, Feb. 22, 1933; lowest 50.17 below lsd, Oct. 28, 1968. Records available: 1929-70.

Mar. 7, 1966	34.02	Jan. 18, 1967	a32.97	Mar. 14, 1968	36.73	Oct. 29, 1969	20.14
May 11	37.41	Mar. 24	a30.25	Oct. 28	50.17	Mar. 31, 1970	18.94
Aug. 12	a44.13	Oct. 25	37.05	Apr. 10, 1969	20.22	Nov. 9	32.73
Oct. 27	a48.00						

a Well being pumped.

330412N1170151.1. Local number 13S/1W-6M1 S. Owner unknown. Lake Hodges, 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: 1953-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7, 1966	41.82	Jan. 18, 1967	34.95	Mar. 14, 1968	30.78	Oct. 29, 1969	14.25
May 11	42.19	Mar. 24	31.64	Oct. 28	34.79	Mar. 31, 1970	11.97
Aug. 12	53.07	Oct. 25	32.65	Apr. 10, 1969	7.54	Nov. 9	20.16
Oct. 27	53.54						

325929N1171105.1. Local number 13S/3W-33M1 S. 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, Aug. 17, Nov. 17, 1964. Records available: 1954-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7, 1966	379.29	Jan. 18, 1967	379.07	Mar. 14, 1968	377.68	Oct. 29, 1969	370.00
May 11	379.38	Mar. 24	379.17	Oct. 28	375.36	Mar. 31, 1970	365.55
Aug. 12	379.34	Oct. 25	378.45	Apr. 10, 1969	373.64	Nov. 9	364.17
Oct. 26	379.28						

j Water level below sea level.

San Felipe Valley Area

330650N1163108.1. Local number 12S/4E-24K1 S. Orville Cummings. San Felipe Ranch. San Felipe Valley. About 5 1/2 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 37.58 below lsd, Mar. 27, 1969. Records available: 1953, 1956-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 3, 1966	a33.45	Oct. 24, 1967	37.23	Mar. 27, 1969	37.58	Mar. 23, 1970	36.37
Oct. 27	36.30	Mar. 12, 1968	36.68	Oct. 28	36.79	Nov. 9	37.02
Mar. 23, 1967	35.71	Nov. 8	37.28				

a Well being pumped.

San Luis Rey River Basin

331854N1170023.1. Local number 10S/1W-8P1 S. 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 53.31 below lsd, Nov. 18, 1963. Records available: 1954-64, 1967 (previously reported 1954-58, 1960-65; records updated and corrected). No measurement made in 1966. Well destroyed; measurement discontinued Oct. 31, 1968. Measurements formerly published from Feb. 14, 1964 through May 19, 1965 are for well 10S/1W-8P2. Mar. 8, 1967, 37.69; May 15 (well being pumped); Oct. 18, 45.94.

332018N1170807.1. Local number 10S/2W-6P2 S. 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 282.36 ft above msl. Highest water level 6.92 below lsd, Mar. 11, 1969; lowest dry, Aug. 13, 1962, Aug. 17, 1964. Records available: 1951-70. Formerly published measurements prior to 1951 are for well 10S/2W-6P6.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1966	38.76	Aug. 11, 1966	(j)	Oct. 28, 1967	16.70	May 13, 1969	7.33
Feb. 7	36.44	Oct. 5	33.02	Oct. 31, 1968	16.20	Oct. 29	9.41
Mar. 7	34.16	Nov. 14	30.17	Mar. 11, 1969	6.92	Mar. 12, 1970	7.28
Apr. 12	31.84	Feb. 10, 1967	19.12	Apr. 8	7.19	Nov. 13	11.98
May 11	a45.8	May 15	14.01				

a Well being pumped.

j Obstruction in well above water surface.

331634N1171349.1. Local number 10S/3W-30K1 S. Fallbrook Public Utility District. Near Bon-sall. 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 24.80 below lsd, July 31, 1957. Records available: 1939-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1966	10.23	Aug. 11, 1966	11.95	Feb. 10, 1967	8.55	Apr. 8, 1969	8.42
Feb. 7	10.01	Oct. 5	12.89	May 15	10.10	Oct. 29	9.65
Mar. 7	10.20	Nov. 14	12.98	Oct. 18	11.36	Mar. 12, 1970	9.68
Apr. 12	9.99	Nov. 14	13.19	Oct. 31, 1968	12.45	Nov. 13	9.75
May 11	10.47	Dec. 23	9.06	Mar. 11, 1969	8.16		

331412N1171830.1. Local number 11S/4W-9P1 S. City of Oceanside. Near San Luis Rey. Drilled observation water-table well in alluvium of Holocene age, diam 4 in, depth 199 ft, casing information not available. Lsd 63 ft above msl. Highest water level 2.14 below lsd, Apr. 14, 1941; lowest 74.27 below lsd, Nov. 4, 1963. Records available: 1940-70. Records furnished by city of Oceanside.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1966	59.35	Apr. 3, 1967	49.35	Aug. 6, 1968	48.85	Nov. 3, 1969	22.85
Feb. 7	57.43	May 1	48.02	Sept. 3	43.35	Dec. 1	23.60
Mar. 7	57.52	July 3	47.10	Oct. 7	43.68	Jan. 5, 1970	23.68
Apr. 4	56.85	Aug. 7	47.85	Nov. 4	46.18	Feb. 3	23.18
May 2	57.10	Sept. 5	48.02	Dec. 2	42.68	Mar. 2	22.43
June 6	56.68	Oct. 3	47.60	Jan. 6, 1969	41.77	Apr. 8	19.18
July 5	56.02	Nov. 7	47.18	Feb. 3	39.27	May 26	23.77
Aug. 1	56.43	Dec. 4	47.43	Mar. 3	30.10	June 1	19.93
Sept. 6	57.35	Jan. 2, 1968	45.18	Apr. 8	28.85	July 6	20.68
Oct. 3	57.27	Feb. 5	44.43	May 5	18.85	Aug. 4	21.18
Nov. 7	56.6	Mar. 5	44.93	June 4	21.10	Sept. 8	21.02
Dec. 5	56.02	Apr. 1	47.43	July 7	23.6	Oct. 5	22.85
Jan. 3, 1967	52.60	May 6	46.77	Aug. 7	23.52	Nov. 2	22.10
Feb. 6	50.71	June 3	47.52	Sept. 2	24.68	Dec. 7	21.68
Mar. 6	50.10	July 1	47.77	Oct. 6	24.52		

331252N1172146.1. Local number 11S/5W-13N1 S. City of Oceanside. Near airport. Drilled unused artesian well in alluvium of Holocene age, diam 14 in, depth 160 ft, casing information not available. Lsd 16.26 ft above msl. Highest water level 0.79 below lsd, Apr. 14, 1941; lowest 30.50 below lsd, Jan. 6, 1958. Records available: 1939-70. Records furnished by city of Oceanside.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1966	5.08	Apr. 3, 1967	3.58	July 1, 1968	3.75	Oct. 6, 1969	4.08
Feb. 7	4.83	May 1	3.25	Aug. 6	3.75	Nov. 3	3.25
Mar. 7	5.25	July 3	4.17	Sept. 3	3.75	Dec. 1	3.17
Apr. 4	4.5	Aug. 7	4.33	Oct. 7	3.50	Jan. 5, 1970	3.08
May 2	5.25	Sept. 5	4.50	Nov. 4	3.50	Feb. 3	3.33
June 6	5.67	Oct. 3	4.67	Dec. 2	3.50	Apr. 8	3.25
July 5	5.83	Nov. 7	4.58	Jan. 6, 1969	3.17	May 26	2.83
Aug. 1	6.23	Dec. 4	4.67	Feb. 3	2.08	June 1	2.67
Sept. 6	6.58	Jan. 2, 1968	2.75	Apr. 1	2.92	July 6	3.17
Oct. 3	6.75	Feb. 5	3.92	May 5	3.25	Aug. 4	3.25
Nov. 7	6.83	Mar. 5	3.5	June 2	3.42	Sept. 8	3.17
Dec. 5	6.5	Apr. 1	5.33	July 7	3.42	Oct. 5	3.08
Jan. 3, 1967	3.67	May 6	3.42	Aug. 4	3.33	Nov. 2	2.92
Feb. 6	3.58	June 3	3.5	Sept. 2	3.5	Dec. 7	2.50
Mar. 6	4.08						

Sweetwater River Basin

323829N1170337.1. Local number 17S/2W-35E1 S. 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: 1953-70.

Mar. 7, 1966	9.84	Jan. 18, 1967	10.26	Mar. 14, 1968	10.26	Oct. 29, 1969	13.80
May 10	10.71	Mar. 24	10.14	Oct. 28	14.11	Mar. 31, 1970	10.56
Aug. 12	13.25	Oct. 25	13.82	Apr. 10, 1969	9.95	Nov. 9	14.85
Oct. 27	14.38						

Tia Juana River Basin

323238N1170246.1. Local number 19S/2W-1N1 S. 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, several times, 1962, Feb. 21, 1963. Records available: 1953-70.

Mar. 7, 1966	44.20	Jan. 18, 1967	38.62	Mar. 14, 1968	36.12	Oct. 29, 1969	32.38
May 10	41.17	Mar. 24	35.95	Oct. 28	36.04	Mar. 31, 1970	33.58
Aug. 12	43.68	Oct. 25	37.54	Apr. 10, 1969	32.10	Nov. 9	35.87
Oct. 27	41.88						

c Nearby well being pumped.

323314N1170506.1. Local number 19S/2W-4A6 S. 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 18.47 below lsd, Apr. 10, 1969; lowest 38.22 below lsd, Aug. 27, 1959. Records available: 1953-70.

Mar. 7, 1966	24.24	Jan. 16, 1967	c23.62	Mar. 14, 1968	22.13	Oct. 29, 1969	21.46
May 10	24.64	Mar. 24	22.78	Oct. 28	j26.22	Mar. 31, 1970	21.06
Aug. 12	j26.34	Oct. 25	24.17	Apr. 10, 1969	18.47	Nov. 9	21.52
Oct. 27	c29.10						

c Nearby well being pumped.

j Water level below sea level.

San Joaquin County

Mokelumne River Basin

380808N1211815.1. Local number 3N/6E-3K11 M. 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, casing information not available. 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: 1947-68. Measurement discontinued Dec. 31, 1968. Measured by East Bay Municipal Utility District.

Jan. 3, 1966	27.21	Oct. 3, 1966	28.29	July 3, 1967	27.62	May 1, 1968	28.51
Feb. 1	27.48	Nov. 1	28.69	Sept. 1	30.43	June 3	29.23
Mar. 1	26.76	Dec. 1	28.57	Oct. 2	28.68	July 1	29.28
Apr. 1	29.69	Jan. 3, 1967	28.78	Nov. 1	27.22	Aug. 1	(a)
May 2	(a)	Feb. 1	29.16	Dec. 1	27.29	Sept. 3	28.65
June 1	30.80	Mar. 1	28.09	Jan. 2, 1968	27.77	Oct. 1	28.60
July 5	(a)	Apr. 5	27.53	Feb. 1	28.79	Nov. 1	27.66
Aug. 1	(a)	May 3	26.67	Mar. 1	28.08	Dec. 2	28.31
Sept. 1	31.31	June 1	27.04	Apr. 2	27.05		

a Well being pumped.

380656N1212049.1. Local number 3N/6E-17D11 M. Arthur Ripken. About 4.5 mi southwest of Lodi. Drilled irrigation water-table well in Victor Formation of Pleistocene age, diam 12 in, depth 49.3 ft (previously reported 93 ft), casing information not available. Lsd 23.9 ft (previously reported 35.68 ft) above msl. Highest water level 7.46 below lsd, May 1, 1952; lowest 45.45 below lsd, Sept. 1, 1966. Records available: 1949-68. Measurement discontinued Dec. 31, 1968. Measured by East Bay Municipal Utility District.

380656N1212049.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1966	38.28	Oct. 3, 1966	43.86	June 1, 1967	35.79	Apr. 2, 1968	37.88
Feb. 1	37.68	Nov. 1	42.28	Sept. 1	41.69	May 7	(a)
Mar. 1	36.98	Dec. 1	41.01	Oct. 2	40.87	June 3	40.72
Apr. 1	37.28	Jan. 3, 1967	39.66	Nov. 1	39.50	July 1	43.99
May 2	39.00	Feb. 1	39.27	Dec. 1	39.08	Sept. 3	45.16
June 1	39.77	Mar. 1	37.43	Jan. 2, 1968	41.08	Oct. 1	44.65
July 5	(a)	Apr. 5	35.28	Feb. 1	37.28	Nov. 1	43.11
Aug. 1	(a)	May 3	33.56	Mar. 1	37.34	Dec. 2	41.86
Sept. 1	45.45						

a Well being pumped.

380328N1211536.1. Local number 3N/6E-36R2 M. 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, casing information not available. Lsd 37.97 ft above ms1. Highest water level 11.72 below lsd, Apr. 8, 1938; lowest 56.80 below lsd, July 1, 1969. Records available: 1926-29, 1935-68. Measurement discontinued Dec. 31, 1968. Measured by East Bay Municipal Utility District.

Jan. 5, 1966	50.99	Oct. 4, 1966	49.61	July 3, 1967	45.20	Apr. 2, 1968	42.28
Feb. 1	48.00	Nov. 1	48.05	Aug. 1	45.40	May 1	43.56
Mar. 1	47.51	Dec. 1	46.93	Sept. 1	22.63	June 3	44.06
Apr. 1	47.47	Jan. 5, 1967	46.08	Oct. 4	44.64	July 1	44.42
May 2	41.67	Feb. 1	45.69	Nov. 1	43.46	Aug. 1	45.54
June 1	50.09	Mar. 1	45.00	Dec. 1	42.92	Sept. 3	45.14
July 5	50.75	Apr. 5	43.99	Jan. 3, 1968	42.75	Oct. 2	43.82
Aug. 1	50.75	May 3	42.39	Feb. 1	42.70	Nov. 1	42.15
Sept. 1	51.25	June 1	44.33	Mar. 1	42.10	Dec. 2	41.86

380722N1211532.1. Local number 3N/7E-7M1 M. Douglas Oil Co. Formerly 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, casing information not available. Lsd 52.63 ft above ms1. Highest water level 24.51 below lsd, Apr. 6, 1938; lowest 54.48 below lsd, Aug. 1, 1968. Records available: 1935-68. Measurement discontinued Dec. 31, 1968. Measured by East Bay Municipal Utility District.

Jan. 4, 1966	46.16	Oct. 4, 1966	52.17	July 3, 1967	48.41	Apr. 2, 1968	45.90
Feb. 1	45.67	Nov. 1	51.00	Aug. 1	49.86	May 1	49.56
Mar. 1	45.21	Dec. 1	49.60	Sept. 1	50.65	June 3	51.49
Apr. 1	47.21	Jan. 4, 1967	48.54	Oct. 4	49.48	July 1	52.53
May 2	51.06	Feb. 1	47.84	Nov. 1	48.53	Aug. 1	54.48
June 1	52.54	Mar. 1	46.92	Dec. 1	47.37	Sept. 3	53.56
July 5	52.95	Apr. 5	46.60	Jan. 3, 1968	46.19	Oct. 2	53.05
Aug. 1	53.42	May 3	45.78	Feb. 1	45.53	Nov. 1	51.12
Sept. 1	53.18	June 1	46.68	Mar. 1	45.38	Dec. 2	49.72

380717N1211146.2. Local number 3N/7E-10L4 M. Alfred Preszler. Formerly 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 183 ft (previously reported 190 ft), cased. Lsd 72.37 ft above ms1. Highest water level 35.13 below lsd, Jan. 12, 1939; lowest 81.91 below lsd, Aug. 3, 1964. Records available: 1935-68. Measurement discontinued Dec. 31, 1968. Measured by East Bay Municipal Utility District.

Jan. 6, 1966	69.33	Oct. 5, 1966	76.14	July 3, 1967	74.73	Apr. 2, 1968	68.14
Feb. 1	68.33	Nov. 1	(a)	Aug. 1	78.78	May 1	74.72
Mar. 1	67.57	Dec. 1	72.70	Sept. 1	80.33	June 3	76.15
Apr. 1	70.82	Jan. 6, 1967	71.43	Oct. 5	73.32	July 1	(a)
May 2	(a)	Feb. 1	70.56	Nov. 1	71.54	Aug. 1	80.61
June 1	78.11	Mar. 1	69.47	Dec. 1	69.85	Sept. 3	76.98
July 5	80.52	Apr. 5	68.85	Jan. 4, 1968	68.66	Oct. 3	75.62
Aug. 1	81.27	May 4	67.75	Feb. 1	67.91	Nov. 1	69.14
Sept. 1	78.72	June 1	69.13	Mar. 1	66.79	Dec. 2	71.42

a Well being pumped.

380611N1211530.1. Local number 3N/7E-18N12 M. Joe Garner. About 2.5 mi south of Lodi. Drilled domestic 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 135 ft (previously reported 137 ft), casing information not available. Lsd 47.44 ft above ms1. Highest water level 29.86 below lsd, Feb. 2, 1953; lowest dry, Aug. 4, 1965, July 5, Aug. 1, Sept. 1, 1966, Aug. 1, 1968. Records available: 1946-68. Measurement discontinued Dec. 31, 1968. Measured by East Bay Municipal Utility District.

Jan. 5, 1966	49.06	Oct. 4, 1966	54.49	July 3, 1967	54.01	Apr. 2, 1968	46.93
Feb. 1	48.35	Nov. 1	52.89	Aug. 1	59.23	May 1	51.03
Mar. 1	47.81	Dec. 1	51.61	Sept. 1	59.90	June 3	55.89
Apr. 1	51.42	Jan. 5, 1967	50.86	Oct. 4	53.48	July 1	59.05
May 2	57.64	Feb. 1	49.89	Nov. 1	51.30	Aug. 1	(f)
June 1	59.92	Mar. 1	48.75	Dec. 1	49.60	Sept. 3	57.88
July 5	(f)	Apr. 5	48.34	Jan. 3, 1968	48.24	Oct. 2	55.56
Aug. 1	(f)	May 3	48.06	Feb. 1	47.39	Nov. 1	53.32
Sept. 1	(f)	June 1	48.95	Mar. 1	46.74	Dec. 2	51.68

f Dry.

380605N1211152.1. Local number 3N/7E-22C11 M. John Nietschke. About 4.6 mi southeast of Lodi. Drilled domestic 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 135 ft (previously reported 137 ft), casing information not available. Lsd 66.43 ft above ms1. Highest water level 50.21 below lsd, Mar. 2, 1953; lowest 87.21 below lsd, Aug. 3, 1964. Records available: 1952-68. Measurement discontinued Dec. 31, 1968. Measured by East Bay Municipal Utility District.

380605N121152.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1966	74.63	Oct. 5, 1966	82.56	July 3, 1967	77.25	Apr. 2, 1968	74.23
Feb. 1	73.40	Nov. 1	79.78	Aug. 1	80.20	May 1	74.78
Mar. 1	72.24	Dec. 1	77.53	Sept. 1	81.41	June 3	75.65
Apr. 1	76.17	Jan. 6, 1967	75.42	Oct. 5	76.52	July 1	(a)
May 2	80.19	Feb. 1	74.46	Nov. 1	77.43	Aug. 1	81.39
June 1	80.43	Mar. 1	73.25	Dec. 1	73.53	Sept. 3	83.83
July 5	86.18	Apr. 5	72.29	Jan. 4, 1968	72.00	Oct. 3	87.73
Aug. 1	(a)	May 4	71.27	Feb. 1	71.12	Nov. 1	75.84
Sept. 1	85.94	June 1	73.85	Mar. 1	70.10	Dec. 2	74.50

a Well being pumped.

381215N1211546.1. Local number 4N/6E-12R11 M. Fred Fromm. Formerly 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, casing information not available. Lsd 57.95 ft above msl. Highest water level 38.84 below lsd, May 1, 1952; lowest 77.37 below lsd, Sept. 1, 1966. Records available: 1948-68. Measurement discontinued Dec. 31, 1968. Measured by East Bay Municipal Utility District.

Jan. 4, 1966	66.11	Oct. 4, 1966	73.80	July 3, 1967	69.64	Apr. 2, 1968	62.48
Feb. 1	64.80	Nov. 1	72.04	Aug. 1	70.48	May 1	67.38
Mar. 1	63.49	Dec. 1	70.32	Sept. 1	75.16	June 3	70.30
Apr. 1	62.70	Jan. 4, 1967	68.72	Oct. 18	74.37	July 1	72.69
May 2	(a)	Feb. 1	67.66	Nov. 1	74.13	Aug. 1	75.03
June 1	70.86	Mar. 1	68.03	Dec. 1	69.22	Sept. 3	75.10
July 5	74.21	Apr. 5	64.74	Jan. 3, 1968	66.72	Oct. 2	71.46
Aug. 1	76.65	May 3	63.20	Feb. 1	65.14	Nov. 1	71.40
Sept. 1	77.37	June 1	68.02	Mar. 1	63.56	Dec. 2	69.61

a Well being pumped.

380933N1211635.2. Local number 4N/6E-36D2 M. 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, casing information not available. 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: 1962-68. Measurement discontinued Dec. 31, 1968. Measured by East Bay Municipal Utility District.

Jan. 4, 1966	29.16	Oct. 4, 1966	30.56	Aug. 1, 1967	30.99	May 1, 1968	31.88
Feb. 1	29.13	Nov. 1	30.44	Sept. 1	30.50	June 3	32.38
Mar. 1	28.99	Dec. 1	31.31	Oct. 3	28.41	July 1	31.81
Apr. 1	29.22	Jan. 4, 1967	31.51	Nov. 1	27.96	Aug. 1	34.64
May 2	(a)	Feb. 1	31.30	Dec. 1	29.54	Sept. 3	31.82
June 1	33.67	Mar. 1	31.00	Jan. 3, 1968	30.10	Oct. 2	31.05
July 5	32.99	Apr. 5	28.30	Feb. 1	30.16	Nov. 1	30.58
Aug. 1	(a)	May 3	27.81	Mar. 1	29.78	Dec. 2	31.13
Sept. 1	31.08	June 1	29.11	Apr. 2	28.66		

a Well being pumped.

381032N1211147.2. Local number 4N/7E-22Q5 M. Adolphus Eddlemon. About 4.9 mi northeast of Lodi. Drilled observation artesian well in Victor, Arroyo Seco, and Laguna Formations, diam 10 in, depth 130 ft (previously reported 266 ft), casing information not available. Lsd 83.83 ft (previously reported 83.95 ft) above msl. Highest water level 36.34 below lsd, Mar. 31, 1943; lowest 84.54 below lsd, Aug. 1, 1968. Records available: 1935-68. Measurement discontinued Dec. 31, 1968. Measured by East Bay Municipal Utility District.

Jan. 6, 1966	71.95	Oct. 6, 1966	78.26	July 3, 1967	75.33	Apr. 2, 1968	68.87
Feb. 1	68.65	Nov. 1	76.89	Aug. 2	81.49	May 1	75.74
Mar. 1	68.10	Dec. 1	75.04	Sept. 5	81.15	June 3	77.74
Apr. 1	69.26	Jan. 6, 1967	73.66	Oct. 5	76.28	July 1	80.88
May 3	73.19	Feb. 1	72.69	Nov. 2	74.70	Aug. 1	84.54
June 1	77.96	Mar. 1	71.86	Dec. 1	73.19	Sept. 3	80.10
July 5	81.05	Apr. 5	70.62	Jan. 5, 1968	71.60	Oct. 4	78.84
Aug. 1	83.18	May 4	69.29	Feb. 1	70.65	Nov. 1	77.03
Sept. 1	80.27	June 1	70.22	Mar. 1	69.62	Dec. 2	75.59

380940N1211146.1. Local number 4N/7E-27P1 M. 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 48 ft (previously reported 49 ft), cased to 48, perforated 39-48. Lsd 81.20 ft above msl. Highest water level 24.60 below lsd, June 3, 1938; lowest 42.92 below lsd, Dec. 2, 1968. Records available: 1935-68. Measurement discontinued Dec. 31, 1968. Measured by East Bay Municipal Utility District.

Jan. 6, 1966	39.09	Oct. 6, 1966	42.43	July 3, 1967	37.09	Apr. 2, 1968	40.80
Feb. 1	39.49	Nov. 1	42.56	Aug. 2	38.58	May 1	41.05
Mar. 1	39.64	Dec. 1	42.50	Sept. 5	39.28	June 3	41.59
Apr. 1	39.82	Jan. 6, 1967	42.78	Oct. 5	39.20	July 1	41.69
May 3	40.73	Feb. 1	42.42	Nov. 2	38.71	Aug. 1	42.08
June 1	40.88	Mar. 1	42.71	Dec. 1	39.95	Sept. 3	42.79
July 5	41.34	Apr. 5	42.77	Jan. 5, 1968	41.28	Oct. 4	42.57
Aug. 1	41.64	May 4	40.65	Feb. 1	41.60	Nov. 1	42.74
Sept. 1	41.97	June 1	36.18	Mar. 1	41.48	Dec. 2	42.92

381007N1211536.1. Local number 4N/7E-30E4 M. 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, casing information not available. Lsd 57.18 ft above msl. Highest water level 26.35 below lsd, Jan. 4, 1944; lowest 57.25 below lsd, July 2, 1962. Records available: 1941-68. Measurement discontinued Dec. 31, 1968. Measured by East Bay Municipal Utility District.

381007N1211536.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1966	45.70	Oct. 4, 1966	51.10	Aug. 1, 1967	49.30	May 1, 1968	48.77
Feb. 1	45.26	Nov. 1	50.03	Sept. 1	49.88	June 1	49.61
Mar. 1	45.10	Dec. 1	49.34	Oct. 4	49.20	July 1	53.22
Apr. 1	44.99	Jan. 4, 1967	48.14	Nov. 1	46.92	Aug. 1	55.07
May 2	49.20	Mar. 1	46.80	Dec. 1	46.37	Sept. 3	53.48
June 1	50.09	Apr. 5	46.12	Jan. 3, 1968	46.35	Oct. 2	52.06
July 5	53.02	May 3	44.93	Feb. 1	45.44	Nov. 1	51.22
Aug. 1	55.74	June 1	44.23	Mar. 1	44.55	Dec. 2	49.38
Sept. 1	52.89	July 3	46.54	Apr. 2	44.32		

380911N1211148.1. Local number 4N/7E-34F11 M. John J. Schmiedt. About 4.2 mi east of Lodi. Drilled observation water-table well in alluvium, diam 4 in, depth 23 ft (previously reported 24 ft), casing information not available. Lsd 61.76 ft above ms1. Highest water level 6.09 below lsd, Jan. 6, 1956; lowest 20.33 below lsd, Dec. 2, 1968. Records available: 1952-68. Measurement discontinued Dec. 31, 1968. Measured by East Bay Municipal Utility District.

Jan. 6, 1966	16.93	Oct. 6, 1966	19.59	July 3, 1967	14.48	Apr. 2, 1968	18.30
Feb. 1	16.90	Nov. 1	19.74	Aug. 2	15.33	May 5	19.02
Mar. 1	16.37	Dec. 1	20.24	Sept. 5	16.14	June 3	19.38
Apr. 1	17.85	Jan. 6, 1967	20.23	Oct. 5	15.68	July 1	18.41
May 2	19.15	Feb. 1	19.81	Nov. 1	15.17	Aug. 1	18.49
June 1	17.57	Mar. 1	20.09	Dec. 1	17.86	Sept. 3	19.06
July 5	18.91	Apr. 5	19.54	Jan. 5, 1968	19.09	Oct. 3	19.76
Aug. 1	18.37	May 4	15.05	Feb. 1	19.15	Nov. 1	19.99
Sept. 1	19.23	June 1	12.35	Mar. 1	18.07	Dec. 2	20.33

Santa Barbara County

Carpinteria Basin

342446N1193157.1. Local number 4N/25W-19J5 S. Lyman and Young. Drilled unused artesian well in alluvium, diam 8 in, depth 100 ft, casing information not available. Lsd 55 ft above ms1. Highest water level 26.59 below lsd, Mar. 25, 1969; lowest 92.95 below lsd, Sept. 25, 1951. Records available: 1941-70.

Feb. 21, 1966	53.06	Oct. 18, 1966	46.127	Mar. 19, 1968	36.79	Oct. 28, 1969	36.41
Mar. 28	51.95	Mar. 27, 1967	41.82	Oct. 7	47.16	Apr. 1, 1970	30.92
Apr. 25	52.55	Oct. 16	43.48	Mar. 25, 1969	26.59	Oct. 8	43.36

J Water level below sea level.

342414N1192742.1. Local number 4N/25W-26A1 S. Moses Mesa Associates Co. Drilled unused water-table well in Casitas Formation of Pleistocene age, diam 10 in, depth 480 ft, casd to 480, perforated 228-380. Lsd 420 ft above ms1. Highest water level 197.06 below lsd, Apr. 2, 1970; lowest 387.00 below lsd, Nov. 28, 1955. Records available: 1940-41, 1944-70 (previously reported 1946-65; records updated and corrected).

Feb. 21, 1966	267.60	Oct. 18, 1966	273.05	Mar. 19, 1968	236.36	Oct. 28, 1969	207.27
Mar. 28	265.95	Mar. 27, 1967	249.05	Oct. 8	245.40	Apr. 2, 1970	197.06
Apr. 25	265.95	Oct. 17	240.35	Mar. 26, 1969	209.62	Oct. 9	203.87

342341N1192907.1. Local number 4N/25W-27Q2 S. A. F. Heimlich. Drilled unused artesian well in Casitas Formation of Pleistocene age, diam 10 in, depth 198 ft, casing information not available. Lsd 127 ft above ms1. Highest water level 73.59 below lsd, May 22, 1964; lowest 175.42 below lsd, Sept. 25, 1951. Records available: 1941-70.

Oct. 18, 1966	101.46	Mar. 19, 1968	97.25	Mar. 26, 1969	98.11	Apr. 1, 1970	87.26
Mar. 27, 1967	101.87	Oct. 8	103.16	Oct. 28	91.69	Oct. 9	97.08
Oct. 17	100.47						

342349N1193128.1. Local number 4N/25W-29L1 S. A. P. Salzgeber. Drilled unused artesian well in alluvium, diam 2 in, depth 110 ft, casing information not available. Lsd 18 ft above ms1. Highest water level 4.00 above lsd, Apr. 2, 1970; lowest 51.24 below lsd, Sept. 25, 1951. Records available: 1943, 1946, 1950-70 (previously reported 1950-65; records updated and corrected).

Feb. 21, 1966	-7.54	Oct. 18, 1966	-15.59	Mar. 19, 1968	+1.60	Oct. 28, 1969	+1.60
Mar. 28	6.55	Mar. 29, 1967	+1.60	Oct. 8	-2.32	Apr. 2, 1970	4.0
Apr. 25	7.82	Oct. 18	-1.10	Mar. 26, 1969	+1.60	Oct. 9	1.0

Cuyama Valley

345455N1193542.1. Local number 10N/25W-30P1 S. Presseler and Kirschenmann. About 2 mi south-east of Cuyama. Drilled unused artesian well in alluvium and older continental deposits, diam 16 in, depth 400 ft, casing information not available. Lsd 2,340 ft above ms1. Highest water level 74.00 below lsd, Feb. 24, 1947; lowest 167.50 below lsd, July 27, 1962. Records available: 1944, 1947-48, 1955-70 (previously reported 1955-65; records updated and corrected). Well destroyed; measurement discontinued Oct. 12, 1970.

Feb. 24, 1966	153.5	Oct. 26, 1966	154.6	Mar. 7, 1968	c164.3	Mar. 25, 1969	c159.6
Mar. 23	165.1	Mar. 28, 1967	163.7	Oct. 7	c155.8	Oct. 13	159.3
Apr. 27	159.7	Nov. 2	165.1	Dec. 10	152.24	Mar. 24, 1970	c157.6

c Nearby well being pumped.

345732N1194231.1. Local number 10N/27W-12R1 S. 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 ms1. Highest water level 38.58 below lsd, Apr. 28, 1942; lowest 96.27 below lsd, Oct. 13, 1969. Records available: 1941-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24, 1966	81.56	Mar. 28, 1967	77.86	Oct. 7, 1968	91.60	Oct. 13, 1969	96.27
Mar. 23	78.60	Nov. 3	(J)	Dec. 10	87.36	Mar. 24, 1970	89.07
Apr. 27	(a)	Mar. 18, 1968	77.00	Mar. 25, 1969	80.80	Oct. 13	c94.88
Oct. 26	84.31						

a Well being pumped.

c Nearby well being pumped.

j Obstruction in well above water surface.

Goleta Basin

342631N1194914.1. Local number 4N/28W-9L2 S. Adams-Capital Roofing. Drilled irrigation artesian well in Santa Barbara Formation of Pliocene and Pleistocene age, diam 12 in, depth 164 ft, casing information not available. Lsd 53 ft above ms1. Highest water level 38.32 below lsd, Oct. 19, 1967; lowest 59.59 below lsd, Jan. 21, 1964. Records available: 1963-68. Well destroyed; measurement discontinued Oct. 10, 1968. Feb. 24, 1966, 46.32; Mar. 29, 45.40; Oct. 21, 44.45; Mar. 25, 1967, 45.68; Oct. 19, 38.32; Mar. 20, 1968, 39.82.

342633N1194815.1. Local number 4N/28W-10F1 S. J. S. Edwards. Patterson Ave. and Maria Ygnacio Creek. Drilled unused artesian well in Santa Barbara Formation of Pliocene and Pleistocene age, diam 12 in, depth 459 ft, cased to 459, perforated 72-198, 312-459. Lsd 79.90 ft above ms1. Highest water level 56.44 below lsd, Apr. 28, 1943; lowest 103.27 below lsd, July 24, 1956. Records available: 1932-33, 1937-38, 1941-66. Well destroyed; measurement discontinued Oct. 28, 1966. Feb. 24, 1966, 69.50; Mar. 29, 68.70; Apr. 26, 71.03.

342556N1195253.1. Local number 4N/29W-14A3 S. State of California. Glen Annie Rd. and Southern Pacific RR. Drilled unused water-table well in Santa Barbara Formation of Pliocene and Pleistocene age, diam 12 in, depth 160 ft, casing information not available. Lsd 51 ft above ms1. Highest water level 32.30 below lsd, Oct. 8, 1970; lowest 87.46 below lsd, July 30, 1951. Records available: 1941-58, 1960-70.

Feb. 24, 1966	39.61	Oct. 20, 1966	38.45	Mar. 20, 1968	36.32	Oct. 27, 1969	33.32
Mar. 29	39.36	Mar. 21, 1967	37.53	Oct. 8	35.58	Mar. 31, 1970	32.79
Apr. 25	39.26	Oct. 19	37.10	Mar. 24, 1969	34.24	Oct. 8	32.30

San Antonio Valley

344443N1201645.1. Local number 8N/32W-30H7 S. Los Alamos Community Service District. Near Los Alamos Fire Station. Drilled public-supply artesian well in Paso Robles Formation of Pliocene and Pleistocene(?) age, diam 13 in, depth 310 ft, casing information not available. Lsd 563 ft above ms1. Highest water level 24.10 below lsd, Mar. 25, 1966; lowest 36.96 below lsd, Aug. 31, 1964. Records available: 1964-70.

Feb. 25, 1966	25.79	Oct. 20, 1966	33.35	Mar. 20, 1968	24.16	Oct. 24, 1969	28.63
Mar. 25	24.10	Mar. 20, 1967	25.57	Oct. 17	35.44	Apr. 21, 1970	(a)
May 2	34.65	Nov. 16	b30.29	Mar. 24, 1969	24.45	Oct. 15	30.33

a Well being pumped.

b Well pumped recently.

344547N1202529.1. Local number 8N/34W-23B1 S. 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, casing information not available. Lsd 315 ft above ms1. Highest water level 12.19 below lsd, Feb. 28, 1944; lowest 34.27 below lsd, Oct. 15, 1970. Records available: 1943-70.

Feb. 25, 1966	21.65	Oct. 20, 1966	24.09	Mar. 20, 1968	27.51	Oct. 24, 1969	25.90
Mar. 25	21.77	Mar. 20, 1967	24.45	Oct. 17	27.25	Apr. 21, 1970	23.89
May 2	24.60	Nov. 16	25.50	Mar. 24, 1969	21.75	Oct. 15	34.27

Santa Maria Valley

345324N1201842.1. Local number 9N/33W-2A1 S. Francis J. Calderone. Wicks and Andrews Aves., Garey. Drilled irrigation water-table well in alluvium and Paso Robles Formation of Pliocene and Pleistocene(?) age, diam 12 in, depth 220 ft, casing information not available. Lsd 378.72 ft above ms1. Highest water level 23.62 below lsd, June 4, 1941; lowest 124.43 below lsd, Oct. 18, 1966. Records available: 1930-33, 1936, 1938-67. Well destroyed; measurement discontinued Nov. 14, 1967.

Jan. 1, 1966	g111.5	Apr. 28, 1966	107.48	Oct. 18, 1966	124.43	Apr. 1, 1967	g103.5
Feb. 24	105.68	July 1	g114.3	Jan. 1, 1967	g117.8	July 1	g73.2
Mar. 24	105.35	Oct. 1	g119.5	Mar. 15	105.58	Oct. 1	g78.7
Apr. 1	g107.9						

g Measurement made by Santa Maria Valley Water Conservation District.

345251N1202707.1. Local number 9N/34W-3N1 S. 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 ms1. Highest water level 142 below lsd, June 30, July 31, 1937, June 30, 1938; lowest 201.06 below lsd, Apr. 1, 1970. Records available: 1932-34, 1937-41, 1955-70.

Feb. 25, 1966	186.82	Oct. 20, 1966	187.80	Mar. 12, 1968	184.89	Oct. 14, 1969	185.80
Mar. 25	186.79	Mar. 20, 1967	187.90	Oct. 8	185.10	Apr. 1, 1970	201.06
May 2	187.00	Nov. 1	184.46	Apr. 4, 1969	185.49	Oct. 13	198.75

345616N1202310.1. Local number 10N/33W-19B1 S. 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 72.75 below lsd, Apr. 1, 1970; lowest 191.3 below lsd, Aug. 30, 1965. Records available: 1927, 1929-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1966	g177.2	Oct. 18, 1966	187.8	Jan. 1, 1968	g104.8	Apr. 8, 1969	88.22
Feb. 24	177.3	Jan. 1, 1967	g181.9	Mar. 13	90.3	July 1	83.50
Mar. 24	174.9	Mar. 20	176.5	Apr. 1	g88.0	Oct. 1	79.0
Apr. 1	g178.4	Apr. 1	g176.2	Oct. 1	g91.2	14	77.90
28	171.0	July 1	g168.0	16	91.2	Apr. 1, 1970	72.75
July 1	g185.4	Oct. 1	g156.5	Jan. 1, 1969	g90.4	Oct. 14	74.61
Oct. 1	g188.4	Nov. 7	114.5	Apr. 1	g90.2		

g Measurement made by Santa Maria Valley Water Conservation District.

345742N1203625.1. Local number 10N/35W-7F1 S. 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 g33.3 below lsd, July 1, 1966. Records available: 1929-36, 1938-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1966	g19.4	Oct. 19, 1966	32.47	Jan. 1, 1968	g22.5	Apr. 1, 1969	g22.0
Feb. 25	22.41	Jan. 1, 1967	g24.2	Mar. 11	21.39	3	21.23
Mar. 24	25.81	Mar. 17	21.20	Apr. 1	g23.2	July 1	g27.20
Apr. 1	g27.4	Apr. 1	g23.9	July 1	g31.9	Oct. 1	g24.80
May 2	30.20	July 1	g25.5	Oct. 1	g31.8	14	24.80
July 1	g33.3	Oct. 1	g31.2	7	31.42	Mar. 31, 1970	a22.3
Oct. 1	g32.4	Nov. 2	30.87				

a Well being pumped.

g Measurement made by Santa Maria Valley Water Conservation District.

Santa Ynez Valley

343627N1200308.1. Local number 6N/30W-9N1 S. 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, casing information not available. 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: 1941-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 23, 1966	(a)	Oct. 11, 1966	(a)	Mar. 18, 1968	35.40	Oct. 16, 1969	38.60
Mar. 25	b39.33	Mar. 30, 1967	a40.00	Oct. 14	39.89	Mar. 27, 1970	38.79
Apr. 27	39.05	Oct. 20	39.73	Apr. 1, 1969	39.64	Oct. 15	38.89

a Well being pumped.

b Well pumped recently.

343426N1200407.1. Local number 6N/30W-29E1 S. Rancho Juan y Lolita. Near Santa Ynez. Drilled unused water-table well in alluvium, diam 10 in, depth 52 ft, casing information not available. Lsd 465.02 ft above msl. Highest water level 7.90 below lsd, Mar. 10, 1941; lowest 24.00 below lsd, May 20, 1951. Records available: 1933-66. Measurement discontinued in 1966. Feb. 23, 1966, 16.45; Mar. 25, 14.96; Apr. 27, 12.81.

343714N1201445.1. Local number 6N/32W-9A2 S. E. F. Airey. Near Buellton. Drilled irrigation water-table well in alluvium, diam 12 in, depth 72 ft, casing information not available. Lsd 308.03 ft above msl. Highest water level 29.86 below lsd, Mar. 17, 1952; lowest 42.00 below lsd, Oct. 10, 1968. Records available: 1945, 1950-58, 1960-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 30, 1966	(a)	Apr. 3, 1967	33.72	Oct. 10, 1968	42.00	Apr. 1, 1970	a56.32
Apr. 27	36.60	Oct. 24	38.40	Apr. 1, 1969	33.50	Oct. 20	40.14
Oct. 25	38.70	Mar. 14, 1968	35.03	Oct. 21	38.89		

a Well being pumped.

343630N1202135.1. Local number 6N/33W-9P1 S. Hollister Estate. Near Lompoc. Drilled unused water-table well in alluvium, diam 16 in, depth 83 ft, casing information not available. Lsd 203.03 ft above msl. Highest water level 21.80 below lsd, Apr. 3, 1941; lowest 55.76 below lsd, Sept. 27, 1961. Records available: 1932-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1966	42.00	July 28, 1967	42.71	Sept. 27, 1968	45.58	Dec. 1, 1969	33.96
Apr. 1	c43.77	Aug. 28	44.02	Oct. 28	44.49	18	33.84
26	46.00	Sept. 27	42.75	Nov. 25	43.80	Jan. 23, 1970	33.62
Aug. 23	47.69	Oct. 26	41.96	Jan. 2, 1969	43.09	Feb. 26	33.38
Sept. 23	45.28	Nov. 30	41.63	29	41.25	Mar. 24	c36.07
Oct. 21	45.15	Dec. 26	41.00	6	34.79	Apr. 24	35.70
Nov. 22	44.35	Jan. 26, 1968	40.08	Mar. 6	33.68	May 26	36.70
Dec. 28	42.61	Feb. 26	c41.05	Apr. 24	c34.56	June 23	36.78
Jan. 27, 1967	44.20	Mar. 27	c41.95	May 28	33.43	July 23	c40.62
Feb. 24	39.91	Apr. 25	c44.20	June 27	33.49	Aug. 26	c39.43
Mar. 22	c41.45	May 27	43.24	July 28	c36.54	Sept. 23	39.24
Apr. 27	39.19	June 24	45.28	Aug. 26	35.10	Oct. 26	38.20
May 26	40.20	July 30	45.20	Sept. 25	35.05	Nov. 24	38.82
June 28	41.32	Aug. 26	46.25	Oct. 27	34.12		

c Nearby well being pumped.

343831N1200550.1. Local number 7N/31W-36L2 S. 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, casing information not available. Lsd 720.62 ft above msl. Highest water level 16.54 below lsd, Apr. 7, 1943; lowest 128.20 below lsd, Oct. 14, 1968. Records available: 1942-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 23, 1966	100.36	Oct. 21, 1966	124.55	Mar. 21, 1968	108.87	Oct. 16, 1969	118.14
Mar. 25	101.63	Mar. 30, 1967	107.31	Oct. 14	128.20	Mar. 27, 1970	94.71
Apr. 27	106.68	Oct. 23	127.25	Mar. 27, 1969	104.45	Oct. 15	103.04
Oct. 13	126.86						

344219N1202506.1. Local number 7N/34W-12E1 S. U.S. Geol. Survey. Union Oil Co., Purisima Lease. Near Lompoc. Drilled observation artesian well in Careaga Sand of Pliocene age, diam 8 to 16 in, depth 385 ft, cased to 385, perforated 145-385. Lsd 385.83 ft above ms1. Highest water level 301.70 below lsd, June 25, 1949; lowest dry, Mar. 29, Oct. 27, 1967. Records available: 1949-67, 1970. No measurement made in 1968-69.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 30, 1966	311.00	Mar. 29, 1967	(f)	Aug. 28, 1970	314.00	Oct. 26, 1970	314.52
May 4	311.30	Oct. 27	(f)	Sept. 23	314.10	Nov. 24	314.54
Oct. 25	312.00	July 23, 1970	314.17				

f Dry.

343948N1202920.1. Local number 7N/34W-29E4 S. W. H. Sanor. Near Lompoc. Central and Floradale Aves. Drilled irrigation artesian well in alluvium, diam 16 in, depth 176 ft, casing information not available. Lsd 67.71 ft above ms1. Highest water level 18.36 below lsd, Mar. 31, 1958; lowest 48.14 below lsd, July 24, 1963. Records available: 1945-70.

Mar. 2, 1966	32.01	Oct. 25, 1966	36.65	Mar. 7, 1968	32.60	Oct. 23, 1969	27.00
Apr. 4	(a)	Mar. 29, 1967	33.17	Oct. 8	33.62	Mar. 24, 1970	26.27
May 3	37.82	Oct. 26	33.78	Apr. 4, 1969	24.58	Oct. 19	29.26

a Well being pumped.

344043N1203224.2. Local number 7N/35W-23E4 S. 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, casing information not available. Lsd 36.90 ft above ms1. Highest water level 12.22 below lsd, Mar. 27, 1952; lowest 22.67 below lsd, July 22, 1948. Records available: 1947-70.

Mar. 1, 1966	16.52	Mar. 22, 1967	15.95	Oct. 8, 1968	14.95	Mar. 30, 1970	c12.40
Apr. 4	16.50	Oct. 25	15.57	Apr. 4, 1969	12.90	Oct. 16	13.26
Oct. 21	16.40	Mar. 11, 1968	15.30	Oct. 22	13.23		

c Nearby well being pumped.

344021N1203137.1. Local number 7N/35W-23J2 S. Union Sugar Co. Near Lompoc. Central and Artesia Aves. Drilled irrigation artesian well in alluvium, diam 12 in, depth 158 ft, casing information not available. Lsd 43.58 ft above ms1. Highest water level 11.40 below lsd, Apr. 8, 1958; lowest 31.11 below lsd, July 27, 1950. Records available: 1947-66. Well destroyed; measurement discontinued Oct. 25, 1966. Mar. 1, 1966, 21.30; Mar. 30 (obstruction in well above water surface); May 3 (obstruction in well above water surface).

343941N1203139.1. Local number 7N/35W-26J4 S. 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 ms1. Highest water level 4.53 below lsd, Feb. 26, 1969; lowest 36.40 below lsd, Mar. 29, 1965. Records available: 1947-70.

Jan. 26, 1966	10.04	Apr. 27, 1967	7.66	July 24, 1968	27.63	Oct. 27, 1969	10.48
Feb. 28	9.98	May 24	10.88	Aug. 26	16.74	Nov. 25	9.00
Mar. 30	23.50	June 28	11.32	Sept. 24	15.85	Dec. 18	9.28
Apr. 28	20.85	July 26	20.80	Oct. 28	13.35	Jan. 22, 1970	8.41
May 25	17.40	Aug. 28	14.13	Nov. 25	12.19	Feb. 24	13.12
June 27	16.15	Sept. 28	11.55	Dec. 23	11.77	Mar. 23	11.55
July 28	20.56	Oct. 26	11.60	Jan. 29, 1969	7.94	Apr. 23	20.46
Aug. 23	16.40	Nov. 28	9.82	Feb. 26	4.53	May 25	17.48
Sept. 23	15.52	Dec. 26	8.78	Mar. 26	6.32	June 22	15.74
Oct. 25	14.18	Jan. 26, 1968	6.37	Apr. 24	8.79	July 23	19.43
Nov. 22	13.46	Feb. 26	11.33	May 26	9.16	Aug. 25	20.46
Dec. 28	11.47	Mar. 27	c34.12	June 25	11.50	Sept. 23	16.82
Jan. 26, 1967	9.72	Apr. 24	19.10	July 28	16.48	Oct. 26	14.34
Feb. 27	11.12	May 27	14.48	Aug. 26	15.38	Nov. 24	12.50
Mar. 29	c26.78	June 24	16.55	Sept. 25	11.80		

c Nearby well being pumped.

Siskiyou County

Butte Valley

415105N1215459.1. Local number 46N/1E-6N1 M. Leo Luzzi. About 4 mi west-northwest of Macdoel. Drilled irrigation water-table well in lake deposits, diam 18 in, depth 200 ft, casing information not available. Lsd 4,242.4 ft above ms1. Highest water level 16.03 below lsd, Sept. 17, 1964; lowest 30.97 below lsd, Aug. 21, 1964. Records available: 1953-54, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after Mar. 3, 1966, by California Department of Water Resources.

Jan. 11, 1966	19.99	Oct. 3, 1966	25.5	Apr. 12, 1968	19.2	Oct. 8, 1969	28.0
Feb. 4	20.25	Apr. 13, 1967	20.5	Oct. 1	24.7	Apr. 6, 1970	20.0
Mar. 3	19.53	Oct. 5	22.9	Apr. 7, 1969	20.3	Oct. 6	24.0
Apr. 4	19.2						

415523N1215638.1. Local number 47N/1W-14B1 M. U.S. Department of Interior, Bureau of Reclamation. About 3.4 mi southwest of Dorris. Drilled observation water-table well in lake deposits, diam 2 in, depth 50 ft, casing information not available. Lsd 4,233.7 ft above ms1. Highest water level 7.50 below lsd, Feb. 18, 1965; lowest 18.5 below lsd, Nov. 26, 1951. Records available: 1951-54, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after Mar. 3, 1966, by California Department of Water Resources.

Jan. 11, 1966	10.30	Oct. 3, 1966	11.3	Apr. 12, 1968	10.5	Oct. 8, 1969	10.4
Feb. 4	10.72	Apr. 13, 1967	9.7	Oct. 1	10.9	Apr. 6, 1970	8.2
Mar. 3	10.31	Oct. 5	10.2	Apr. 7, 1969	9.4	Oct. 6	9.3
Apr. 4	10.6						

415802N1215706.1. Local number 48N/1W-26N1 M. Fairless. About 2 mi west of Dorris. Drilled domestic water-table well in lake deposits, diam 10 in, depth 375 ft, open bottom, casing information not available. 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, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after Mar. 3, 1966, by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1966	17.47	Oct. 3, 1966	22.2	Apr. 12, 1968	19.4	Oct. 8, 1969	20.2
Feb. 4	17.73	Apr. 13, 1967	14.2	Oct. 1	(a)	Apr. 6, 1970	12.8
Mar. 3	18.93	Oct. 5	22.6	Apr. 7, 1969	8.0	Oct. 6	23.7

a Well being pumped.

Scott Valley

412722N1225225.1. Local number 42N/9W-27N1 M. J. Starr. About 1 mi east of Etna. Dug unused water-table well in alluvium (previously reported younger alluvium) of Quaternary age, size 5 x 5 ft, depth 19 ft, casing information not available. Lsd 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, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after Mar. 4, 1966, by California Department of Water Resources.

Jan. 10, 1966	1.27	Oct. 4, 1966	7.3	Apr. 11, 1968	4.7	Oct. 7, 1969	8.4
Feb. 3	2.44	Apr. 13, 1967	3.3	Sept. 30	8.4	Apr. 6, 1970	2.1
Mar. 4	2.94	Oct. 4	6.7	Apr. 7, 1969	2.4	Oct. 7	7.9
Apr. 5	2.7						

413746N1225324.1. Local number 44N/9W-28P1 M. R. H. Dilley. About 3 mi northeast of Ft. Jones. Drilled unused water-table well in alluvium (previously reported younger alluvium) of Quaternary age, diam 8 in, depth 65 ft, casing information not available. Lsd 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, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after Mar. 4, 1966, by California Department of Water Resources.

Jan. 10, 1966	19.97	Oct. 4, 1966	15.2	Apr. 11, 1968	10.0	Oct. 7, 1969	21.8
Feb. 3	14.85	Apr. 13, 1967	11.0	Sept. 30	22.0	Apr. 6, 1970	9.3
Mar. 4	9.32	Oct. 4	18.4	Apr. 7, 1969	7.3	Oct. 7	21.8
Apr. 5	8.42						

Shasta Valley

412955N1223105.1. Local number 42N/6W-10J1 M. G. O. Maxwell. About 8 mi northwest of Weed. Drilled domestic water-table well in pyroclastics, diam 6 in, depth 110 ft, casing information not available. Lsd 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, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after Mar. 4, 1966, by California Department of Water Resources.

Jan. 10, 1966	7.80	Oct. 3, 1966	13.4	Apr. 11, 1968	6.3	Oct. 7, 1969	13.5
Mar. 3	7.74	Apr. 13, 1967	12.1	Sept. 30	15.7	Apr. 6, 1970	5.5
Mar. 4	8.32	Oct. 4	13.5	Apr. 7, 1969	5.0	Oct. 7	13.9
Apr. 5	8.0						

413710N1223356.1. Local number 44N/5W-34H1 M. Henry Silva. About 1.8 mi north of Big Springs. Drilled irrigation water-table well in Plutons Cage Basalt of Holocene age, diam 16 in, depth 96 ft, casing information not available. Lsd 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, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after Mar. 4, 1966, by California Department of Water Resources.

Jan. 10, 1966	27.28	Oct. 4, 1966	24.4	Apr. 11, 1968	29.2	Oct. 7, 1969	25.0
Feb. 3	27.82	Oct. 12, 1967	30.4	Oct. 1	24.7	Apr. 6, 1970	28.8
Mar. 3	28.17	Oct. 4	25.6	Apr. 7, 1969	27.8	Oct. 6	25.2
Apr. 4	29.4						

414410N1223529.1. Local number 45N/6W-19E1 M. 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, casing information not available. Lsd 2,538 ft above msl. Highest water level 15.44 below lsd, Mar. 21, 1953; lowest 31.4 below lsd, July 27, 1961. Records available: 1953-54, 1958-70. Measurement discontinued Dec. 31, 1970. Measurements after Mar. 4, 1966, by California Department of Water Resources.

Jan. 10, 1966	19.03	Oct. 4, 1966	20.8	Apr. 11, 1968	18.0	Oct. 7, 1969	20.9
Mar. 3	18.34	Apr. 12, 1967	16.7	Oct. 1	21.9	Apr. 6, 1970	18.2
Mar. 4	18.96	Oct. 4	19.8	Apr. 7, 1969	18.5	Oct. 6	21.0
Apr. 6	18.5						

Solano County

Putah and Suisun-Fairfield Area

381453N1220710.1. Local number 5N/2W-30J1 M. R. P. Robbins. About 3 mi west of Fairfield. Drilled irrigation, artesian or water-table unknown, well in alluvium, diam 12 in, depth 220 ft, casing information not available. Lsd 65 ft above msl. Highest water level 13.1 below lsd, Feb. 18, 1969; lowest 41.8 below lsd, Feb. 8, 1960. Records available: 1959-70. Measurement discontinued Dec. 31, 1970. Measurements after Apr. 21, 1966, by California Department of Water Resources.

381453N1220710.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1966	20.45	Feb. 17, 1967	14.9	Nov. 21, 1968	23.1	Dec. 16, 1969	24.2
Feb. 17	20.28	Mar. 15	17.0	Dec. 13	24.1	Jan. 16, 1970	17.2
Mar. 18	21.44	Apr. 26	14.7	Jan. 15, 1969	22.2	Feb. 19	15.0
Apr. 21	21.78	May 17	17.0	Feb. 18	13.1	Mar. 16	16.3
May 17	19.3	Aug. 19	18.3	Mar. 21	13.8	Apr. 15	18.1
June 16	16.5	Sept. 12	18.6	Apr. 17	16.4	May 14	16.3
July 19	18.7	Oct. 20	21.0	May 14	18.0	June 15	16.1
Aug. 22	19.8	Nov. 16	22.0	June 18	14.8	July 17	16.6
Sept. 19	20.7	Mar. 18, 1968	21.9	July 15	16.7	Aug. 17	18.8
Oct. 17	21.9	Apr. 16	22.1	Aug. 18	19.4	Sept. 15	18.7
Nov. 18	22.5	May 13	18.8	Sept. 15	19.8	Oct. 16	20.7
Dec. 16	19.9	Sept. 17	19.6	Oct. 14	21.3	Nov. 16	22.2
Jan. 20, 1967	21.2	Oct. 16	21.2	Nov. 14	22.7	Dec. 15	18.3

Sonoma County

Cloverdale Area

384717N1230048.1. Local number 11N/10W-19F2 M. 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, 1958-68. Measurement discontinued Dec. 31, 1968. Measurements after Apr. 20, 1966, by California Department of Water Resources. Jan. 18, 1966, 3.45; Mar. 1, 3.39; Mar. 31, 3.90; Apr. 20, 4.22; Mar. 22, 1967, 3.1; Apr. 10, 1968, 4.1.

Healdsburg Area

383535N1225213.1. Local number 9N/9W-28N1 M. G. P. Brown. About 1 mi south of Healdsburg. Drilled irrigation water-table well in alluvium, diam 10 in, depth 53 ft, casing information not available. Lsd 90 ft above msl. Highest water level 7.6 below lsd, Feb. 9, 1960; lowest 25.98 below lsd, Oct. 15, 1969. Records available: 1953-54, 1958-70.

Jan. 15, 1966	13.93	Apr. 24, 1967	14.33	July 15, 1968	21.76	Oct. 15, 1969	25.98
Feb. 11	13.66	May 12	16.50	Aug. 15	23.70	Nov. 14	19.15
Mar. 14	14.52	June 14	17.42	Sept. 17	24.70	Dec. 15	15.82
Apr. 15	15.49	July 15	17.88	Oct. 16	24.30	Jan. 19, 1970	14.74
May 16	16.24	Aug. 16	19.60	Nov. 18	17.65	Feb. 16	15.87
June 20	16.78	Sept. 11	22.10	Dec. 16	10.80	Mar. 13	16.98
July 15	19.24	Oct. 18	22.06	Jan. 15, 1969	11.98	Apr. 15	18.19
Aug. 22	22.14	Nov. 17	18.29	Feb. 12	11.68	May 15	18.48
Sept. 15	23.05	Dec. 13	17.20	Mar. 18	16.86	June 15	19.00
Oct. 14	24.50	Jan. 16, 1968	14.28	Apr. 15	17.51	July 15	21.68
Nov. 18	18.19	Feb. 15	16.50	May 15	18.02	Aug. 14	b23.79
Dec. 16	14.85	Mar. 15	15.29	June 16	18.72	Sept. 15	25.47
Jan. 17, 1967	16.58	Apr. 15	17.27	July 15	b19.42	Oct. 21	25.91
Feb. 13	15.59	May 17	18.87	Aug. 15	22.93	Nov. 16	18.61
Mar. 13	14.26	June 14	18.38	Sept. 15	24.57	Dec. 15	17.24

b Well pumped recently.

Lower Russian River Area

382710N1230307.1. Local number 7N/11W-14E1 M. Mayors Inn. About 5 mi southwest of Gurneville. Drilled unused water-table well in alluvium, diam 10 in, depth 47 ft, casing information not available. 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, 1958-68. Measurement discontinued Dec. 31, 1968. Measurements after Apr. 20, 1966, by California Department of Water Resources. Jan. 18, 1966, 17.20; Feb. 24, 17.10; Mar. 30, 17.99; Apr. 20, 17.64; Mar. 21, 1967, 14.0; Apr. 10, 1968, 19.1.

Santa Rosa-Petaluma Area

382229N1224731.1. Local number 6N/8W-7P2 M. Joseph Kardoheily. About 5 mi southwest of Santa Rosa. Drilled domestic and irrigation water-table well in Merced Formation of Pliocene age, diam 8 in, depth 120 ft, casing information not available. Lsd 95 ft above msl. Highest water level 10.6 below lsd, Mar. 22, 1950; lowest 48.70 below lsd, July 1949. Records available: 1945, 1949-68. Measurement discontinued Dec. 31, 1968. Measurements after Apr. 20, 1966, by California Department of Water Resources. Jan. 18, 1966, 16.37; Feb. 24, 11.96; Mar. 30, 13.73; Apr. 20, 14.58; Mar. 21, 1967, 14.7; Apr. 9, 1968, 15.0.

Sonoma Valley

381700N1222614.1. Local number 5N/5W-17C1 M. L. McNeil. About half a mile north of Vineburg. Drilled unused water-table well in alluvium, diam 6 in, depth 64 ft, casing information not available. Lsd 85 ft above msl. Highest water level 11.84 below lsd, Feb. 12, 1963; lowest 28.0 below lsd, Oct. 23, 1967. Records available: 1962-69. Measurement discontinued July 1, 1969. Measurements after Apr. 19, 1966, by California Department of Water Resources.

381700N1222614.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1966	15.74	Oct. 17, 1966	c29.4	Sept. 19, 1967	22.8	Nov. 19, 1968	22.0
Feb. 23	14.98	Nov. 16	26.7	Oct. 23	28.0	Dec. 12	22.7
Mar. 30	16.07	Dec. 14	22.2	Nov. 16	25.5	Jan. 16, 1969	18.2
Apr. 19	17.07	Jan. 18, 1967	20.3	Mar. 19, 1968	18.6	Feb. 21	16.1
May 17	17.1	Feb. 15	19.8	Apr. 15	19.3	Mar. 21	14.6
June 17	18.7	Mar. 20	21.9	May 14	18.5	Apr. 15	17.2
July 21	20.5	Apr. 24	16.5	Sept. 19	25.7	May 12	17.1
Aug. 17	21.8	May 17	18.8	Oct. 14	25.9	June 16	19.8
Sept. 19	21.2	Aug. 15	22.0				

c Nearby well being pumped.

381452N1222648.1. Local number 5N/5W-29N1 M. P. Swartz. About 2.8 mi south of Sonoma. Drilled irrigation water-table well in alluvium, diam 10 in, depth 100 ft, casing information not available. Lsd 16 ft above msl. Highest water level 1.0 below lsd, Apr. 24, 1967; lowest 19.60 below lsd, Jan. 2, 1963. Records available: 1951-69. Measurement discontinued July 1, 1969. Measurements after Apr. 19, 1966, by California Department of Water Resources.

Jan. 17, 1966	6.37	Oct. 17, 1966	12.2	Sept. 19, 1967	9.7	Nov. 19, 1968	10.8
Feb. 23	5.24	Nov. 16	11.9	Oct. 23	11.2	Dec. 12	11.0
Mar. 30	6.40	Dec. 14	8.3	Nov. 16	11.0	Jan. 16, 1969	7.8
Apr. 19	7.14	Jan. 18, 1967	8.9	Mar. 19, 1968	4.4	Feb. 21	2.1
May 17	7.8	Feb. 15	3.3	Apr. 15	7.0	Mar. 21	4.4
June 17	9.3	Mar. 20	2.7	May 14	7.6	Apr. 15	6.7
July 21	10.4	Apr. 24	1.0	Sept. 19	11.5	May 12	8.3
Aug. 17	12.2	May 17	5.0	Oct. 14	11.8	June 16	9.3
Sept. 19	11.6	Aug. 15	9.5				

Yolo County

Putah and Suisun-Fairfield Area

383248N1215055.1. Local number 8N/1E-15B1 M. 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, casing information not available. 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, 1958-68. Measurement discontinued Dec. 31, 1968. Measurements after Apr. 21, 1966, by California Department of Water Resources.

Jan. 17, 1966	31.38	Oct. 27, 1966	32.1	July 28, 1967	19.7	Apr. 30, 1968	24.9
Feb. 17	30.96	Nov. 29	32.6	Aug. 31	18.6	May 29	24.2
Mar. 18	30.51	Dec. 31	31.8	Sept. 28	19.6	June 28	22.9
Apr. 21	30.64	Jan. 30, 1967	30.7	Oct. 27	21.4	July 30	23.1
May 31	32.3	Feb. 28	28.4	Nov. 30	22.9	Aug. 30	23.7
June 24	32.1	Mar. 30	27.1	Dec. 29	23.8	Sept. 27	25.7
July 27	32.5	Apr. 28	25.8	Jan. 30, 1968	24.5	Oct. 31	27.0
Aug. 29	32.5	May 27	25.3	Feb. 29	24.9	Nov. 29	27.6
Sept. 29	31.8	June 29	22.6	Mar. 26	25.2	Dec. 27	28.2

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Note.--Measurements were discontinued in 1965 for the following wells:

- Los Angeles County, Antelope Valley - 343701N1175627.1. - Local number 6N/10W-9Q1 S.
- San Joaquin County, Mokelumne River Basin - 380844N1211146.1. - Local number 3N/7E-3C1 M.

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

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

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. Ooakala. Dug domestic and irrigation basal water-table well in basalt of Hamakua Volcanic Series, Quaternary and late Tertiary age, size 6½ x 6 ft, vertical depth of 30-degree inclined shaft 300 ft; two infiltration tunnels, size 4 x 6 ft, total length 650 ft. Casing information, lsd, and MP not available. Highest water level 7.04 above msl, June 20, 1938; lowest 2.92 above msl, Apr. 27, 1946. Records available: 1937-69. Recorder graph removed May 14, 1969. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1966	5.5	Oct. 16, 1966	5.1	July 2, 1967	5.5	Mar. 17, 1968	5.7
16	5.5	23	5.1	9	5.3	24	5.6
23	5.5	30	5.1	16	5.5	31	5.8
30	5.4	6	5.1	23	5.4	Apr. 7	5.7
Feb. 6	5.6	13	5.1	30	5.4	14	5.6
13	5.4	20	5.1	5	5.5	21	5.5
20	5.5	27	4.8	13	5.5	28	5.5
27	5.5	4	5.2	20	5.3	May 5	5.4
Mar. 6	5.4	Jan. 22, 1967	5.5	27	5.2	12	5.5
13	5.2	29	5.6	3	5.4	19	5.5
20	5.4	Feb. 5	5.5	10	5.5	26	5.3
27	5.4	12	5.4	17	5.3	June 2	5.3
Apr. 10	5.4	19	5.3	24	5.3	9	5.4
17	5.3	26	5.4	Oct. 1	5.3	16	5.4
24	5.3	Mar. 5	5.4	8	5.4	23	5.5
May 1	5.3	12	5.2	15	5.5	30	5.5
8	5.3	19	5.1	22	5.3	July 7	5.5
15	5.4	26	5.3	29	5.4	14	5.7
22	5.3	Apr. 2	5.1	Nov. 5	5.3	21	5.5
29	5.3	9	5.3	12	5.2	28	5.6
June 5	5.3	16	5.3	19	5.1	Aug. 4	5.8
July 10	5.0	23	5.2	26	5.4	11	5.7
17	5.1	30	5.3	Dec. 3	5.2	18	5.7
31	5.3	7	5.2	10	5.8	25	5.7
Aug. 28	5.2	May 14	5.1	Jan. 28, 1968	5.9	Sept. 1	5.9
Sept. 4	5.2	21	5.4	Feb. 4	5.8	8	5.6
11	5.1	28	5.1	11	5.9	15	5.5
18	5.1	June 4	5.2	18	6.0	22	5.6
25	5.1	11	5.1	25	5.9	29	5.9
Oct. 2	5.1	18	5.4	Mar. 3	5.8	Oct. 6	5.9
9	5.1	25	5.2	10	5.6	13	5.9

200105N1551715--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 20, 1968	5.9	Nov. 24, 1968	5.9	Dec. 29, 1968	5.9	Feb. 9, 1969	5.8
27	5.9	Dec. 1	5.9	Jan. 12, 1969	5.8	16	5.7
Nov. 3	5.9	8	5.8	19	5.8	Mar. 30	5.3
10	6.0	15	6.0	26	5.8	Apr. 6	5.3
17	5.9	22	5.9	Feb. 2	5.9	12	5.9

193750N1550200. Local number Shaft 7. Puna Sugar Co., Ltd. Olaa. Dug domestic and irrigation basal water-table well in basalt of Kahuku Volcanic Series, Pleistocene and Pliocene age, size 10 x 10 ft, depth 203 ft; three infiltration tunnels, total length 48 ft. Casing information and lsd not available. MP pumproom 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: 1936-70. Records furnished by Puna Sugar Co., Ltd.

Jan. 8, 1966	14.19	Feb. 11, 1967	15.23	May 11, 1968	16.44	Aug. 9, 1969	15.48
15	14.71	18	15.03	18	16.21	16	15.94
22	14.69	25	14.73	25	15.86	23	16.61
29	15.36	Mar. 4	14.61	June 1	15.53	Sept. 6	17.17
Feb. 5	15.17	11	14.53	8	15.25	13	16.98
12	14.96	18	14.28	15	15.19	20	16.75
19	14.66	Apr. 1	14.19	22	15.11	27	16.57
26	14.61	8	15.69	29	14.79	Oct. 4	16.52
Mar. 5	14.57	15	15.44	July 13	14.78	11	16.25
12	14.25	22	15.11	20	14.48	18	16.36
19	14.23	29	15.50	27	14.48	25	16.21
26	14.19	May 6	15.44	Aug. 3	14.36	Nov. 1	15.44
Apr. 2	14.03	13	15.61	10	14.28	15	15.19
9	13.69	20	15.61	17	14.28	22	15.07
16	13.53	27	15.28	24	14.07	Dec. 6	15.07
23	13.36	June 3	15.23	31	13.86	13	14.53
30	13.23	10	14.61	Sept. 7	14.21	20	14.53
May 7	13.11	24	14.36	14	14.23	27	14.53
14	13.03	July 1	14.33	21	14.26	Jan. 3, 1970	15.50
21	12.93	8	14.19	28	14.23	10	15.55
28	12.94	15	14.03	Oct. 5	14.26	17	15.42
June 4	12.86	22	14.36	12	14.34	24	15.23
11	12.90	29	13.58	19	14.05	Feb. 7	15.11
18	12.78	Aug. 5	14.94	26	14.15	14	14.82
25	12.86	12	16.86	Nov. 2	14.01	28	13.78
July 2	12.61	26	16.50	9	13.92	Mar. 14	13.94
9	12.57	Sept. 2	16.30	16	13.84	21	13.53
16	12.53	9	16.17	23	13.63	Apr. 4	13.44
23	12.82	16	15.73	Dec. 7	14.82	11	13.28
30	13.28	23	15.69	14	15.60	18	13.44
Aug. 6	13.36	30	15.09	21	16.29	25	14.36
13	13.36	Oct. 7	15.11	Jan. 4, 1969	16.40	May 2	15.36
20	13.53	14	14.84	11	15.75	9	15.59
27	13.40	21	14.59	18	15.42	16	15.82
Sept. 3	13.36	28	14.40	25	15.24	30	17.32
10	13.32	Nov. 4	14.53	Feb. 1	21.03	June 6	17.07
17	13.44	11	14.21	8	20.9	13	17.07
24	13.61	18	14.17	15	21.2	20	16.86
Oct. 1	13.82	Dec. 2	16.07	Mar. 29	22.11	27	16.73
8	13.57	9	16.98	Apr. 5	21.44	July 4	16.44
15	13.82	16	17.19	12	21.53	11	16.61
22	14.44	Jan. 20, 1968	16.09	19	21.53	18	16.32
29	14.73	27	16.00	26	22.19	25	16.36
Nov. 5	15.44	Feb. 3	15.96	May 3	21.44	Aug. 1	16.28
12	15.61	10	16.64	10	20.90	8	16.11
19	15.65	17	16.32	17	20.69	15	16.15
26	15.67	24	15.82	24	19.94	22	15.78
Dec. 3	15.78	Mar. 2	15.28	31	19.53	29	15.57
10	15.53	9	14.88	June 7	18.86	Sept. 12	17.44
17	15.44	16	14.67	14	18.11	19	17.44
24	15.36	23	14.53	21	17.55	26	16.98
Jan. 7, 1967	16.00	30	14.48	28	17.36	Oct. 3	16.69
14	16.03	Apr. 6	14.28	July 12	16.61	10	16.44
21	15.94	20	15.00	19	16.50	17	16.19
28	15.90	27	16.36	26	16.03	24	16.03
Feb. 4	15.53	May 4	16.65	Aug. 2	15.86	Dec. 5	16.78

Island of Molokai

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. Lsd not available. MP top of surface casing, 51.95 ft above msl. Highest water level 3.30 above msl, Jan. 20, 1969; lowest 1.6 above msl, Dec. 5, 1964. Records available: 1954-70.

Jan. 24, 1966	2.67	Apr. 27, 1967	2.65	June 15, 1968	2.75	Oct. 6, 1969	3.06
Mar. 10	2.75	June 15	2.46	July 25	2.87	Nov. 17	3.02
Apr. 28	2.53	Aug. 3	2.57	Oct. 29	3.08	Jan. 13, 1970	3.01
July 11	2.62	Sept. 14	2.81	Jan. 20, 1969	3.30	Mar. 11	2.83
Aug. 25	2.91	Oct. 21	2.89	Mar. 24	3.07	Apr. 27	2.82
Oct. 11	2.78	Dec. 4	2.62	May 26	3.00	Aug. 11	2.74
Dec. 1	3.00	Jan. 11, 1968	2.97	June 30	3.02	Oct. 11	2.78
Jan. 19, 1967	2.83	Feb. 15	3.02	Aug. 25	2.97	Dec. 6	2.90
Mar. 7	2.74	Mar. 16	3.00				

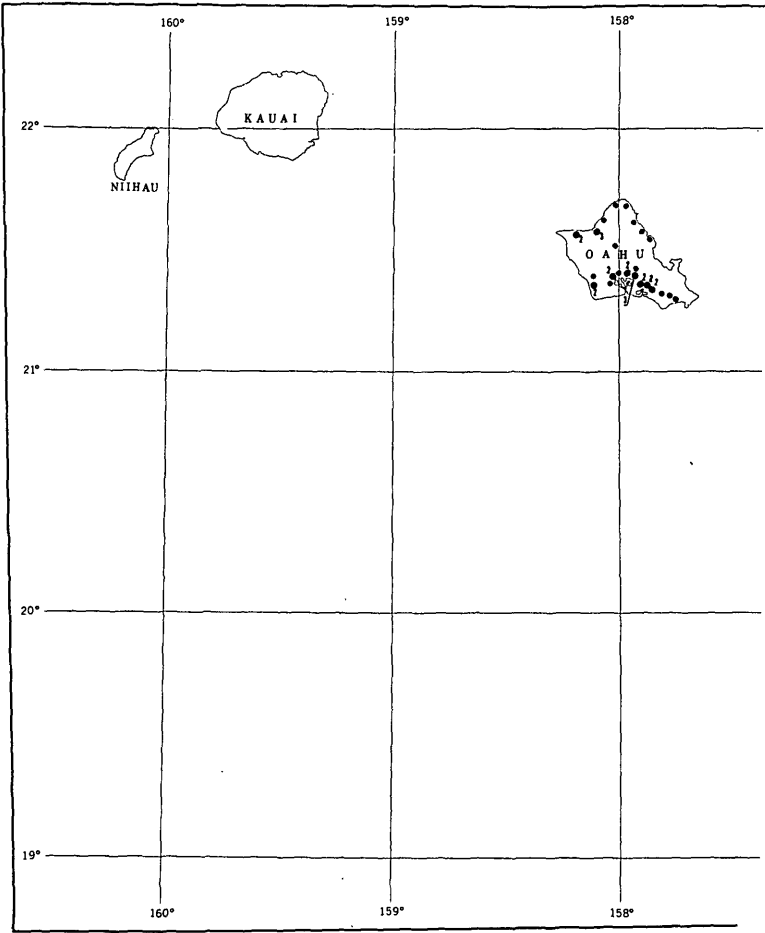
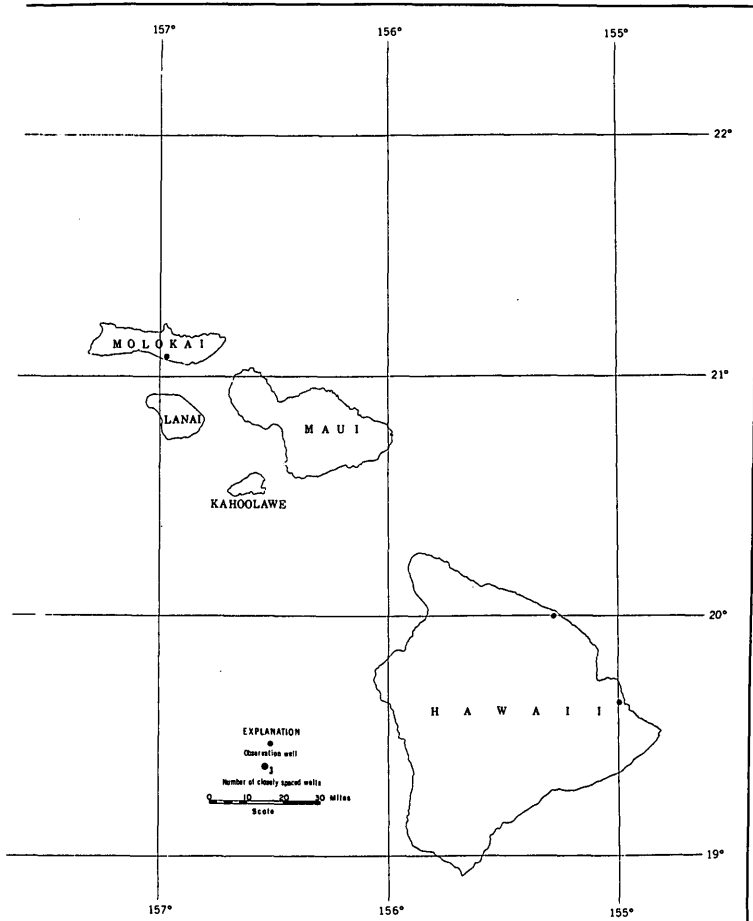


Figure 4.--Location of observation



wells in Hawaii, 1966-70.

Island of Oahu

211646N1574652. Local number 1A. B. P. Bishop Estate. Waiālae Golf Links, Honolulu. Drilled observation (previously reported unused) artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 4 in, depth 131 ft, cased to 100. Lsd not available. MP top of recorder platform, 15.44 ft above msl (since December 1967). Highest water level 9.62 above msl, Jan. 10, 1969; lowest 7.50 above msl, May 31, 1947. Records available: 1933-70. Recording gage installed July 1968. Records furnished by Honolulu Board of Water Supply.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1966	8.69	Sept. 1, 1966	8.71	Apr. 25, 1967	8.36	Nov. 30, 1967	8.65
13	8.71	8	8.76	27	8.48	Dec. 7	8.74
25	8.65	15	8.75	May 4	8.38	14	8.75
Feb. 10	8.69	22	8.81	11	8.34	20	8.92
17	8.63	28	8.68	18	8.40	27	8.88
24	8.68	6	8.74	25	8.34	Jan. 4, 1968	8.96
Mar. 3	8.70	13	8.73	1	8.41	11	8.93
10	8.75	20	8.74	8	8.34	18	9.01
16	8.74	27	8.71	15	8.33	25	8.96
24	8.73	Nov. 3	8.85	22	8.25	Feb. 1	8.93
31	8.66	9	8.85	29	8.22	8	8.92
Apr. 6	8.62	17	8.93	July 6	8.19	15	8.97
14	8.73	23	8.86	13	8.22	21	8.99
21	8.64	Dec. 1	8.94	19	8.30	28	8.93
26	8.64	8	8.83	27	8.33	Mar. 7	8.85
May 5	8.58	15	8.83	Aug. 3	8.26	14	8.82
9	8.50	22	8.75	10	8.49	21	8.86
12	8.64	28	8.71	17	8.47	28	8.83
21	8.56	Jan. 5, 1967	8.68	24	8.55	Apr. 4	8.80
26	8.65	19	8.63	31	8.48	10	8.83
June 2	8.52	26	8.60	Sept. 7	8.53	18	8.79
9	8.55	Feb. 2	8.63	14	8.53	25	8.72
16	8.57	9	8.58	21	8.62	May 2	8.10
23	8.61	23	8.54	28	8.59	9	8.67
29	8.60	Mar. 2	8.59	Oct. 5	8.58	16	8.72
July 7	8.58	9	8.51	12	8.56	23	8.70
14	8.63	16	8.48	19	8.61	29	8.69
21	8.89	22	8.55	26	8.68	June 6	8.74
28	8.79	30	8.59	Nov. 2	8.66	13	8.71
Aug. 4	8.71	Apr. 6	8.53	8	8.73	20	8.84
11	8.76	13	8.56	16	8.64	27	8.80
18	8.73	20	8.50	22	8.75	July 3	8.90
25	8.74						

Mean water level for the day, above msl, from recorder graph, 1968

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.99	9.08	9.20	9.22	9.26
10	9.06	9.10	9.21	9.25	9.25
15	8.87	9.07	9.11	9.18	9.24
20	9.07	9.07	9.20	9.21	....
25	8.91	9.13	9.13	9.20	9.16
Eom	8.99	9.14	9.21	9.18	9.21

1969

5	9.59	9.42	9.19	9.11	9.03	9.07	9.18	9.25	9.24	9.34	e9.1	9.16
10	9.62	9.38	9.16	9.05	9.05	9.10	9.19	9.26	9.26	9.25	9.21	9.16
15	....	9.29	9.16	9.00	9.10	9.15	9.21	9.23	9.26	9.24	9.23	9.10
20	9.56	9.30	....	9.07	9.10	9.14	9.21	9.22	9.25	9.26	e9.2	9.09
25	9.52	....	9.15	9.02	9.05	....	9.21	9.23	e9.3	9.27	9.22	9.07
Eom	9.47	9.20	9.12	9.00	9.04	9.16	9.25	9.25	9.33	9.25	9.20	9.14

1970

5	e9.1	9.06	9.04	8.81	8.78	8.69	8.66	8.57	8.60	8.62	8.55	8.63
10	9.11	9.03	e9.0	8.89	8.76	8.68	8.57	8.54	8.63	8.56	8.57	8.62
15	e9.1	9.04	8.97	8.87	8.72	8.68	8.56	8.55	8.60	8.52	8.63	8.62
20	9.12	9.08	8.90	8.79	8.71	8.69	8.62	8.55	8.64	e8.5	8.62	8.61
25	9.11	9.02	8.84	8.74	8.70	8.63	8.60	8.58	e8.6	8.55	....	8.55
Eom	9.05	9.07	e8.8	e8.7	8.74	8.63	8.60	8.57	8.57	8.57	....	8.50

e Estimated.

211749N1574854. Local number 2. B. P. Bishop Estate. Kalei Rd., Honolulu. Drilled observation (previously reported unused) artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 8 in, depth unknown, cased to 86. Lsd not available. MP top of casing, 49.18 ft above msl (since November 1965). Highest water level 31.55 above msl, Jan. 28, 1940; lowest 19.66 above msl, Sept. 14, 1944. Records available: 1916, 1919, 1923, 1926, 1929-70. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	26.93	27.21	27.82	27.44	27.00	26.66	25.45	24.52	23.80	23.80	24.77	25.59
10	26.93	27.38	27.91	27.46	26.92	26.30	25.22	24.33	23.91	24.01	25.0	25.70
15	26.94	27.44	27.80	27.51	26.80	26.38	24.79	24.24	24.12	24.33	25.28	25.75
20	26.9	27.58	27.77	27.50	26.65	26.09	24.51	23.92	23.98	24.45	25.40	25.77
25	27.05	27.62	27.67	27.27	26.78	25.67	24.72	24.08	23.80	24.45	25.48	25.81
Eom	27.20	27.8	27.60	27.25	26.70	25.40	24.70	23.83	23.84	24.51	25.56	25.94

211749N1574854--Continued.

1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	26.00	25.97	25.91	26.39	25.77	25.62	24.25	23.10	23.80	24.15	24.88	25.49
10	26.02	26.01	26.01	26.38	25.68	25.66	24.21	23.43	23.92	24.31	24.89	25.71
15	26.16	26.03	26.10	26.56	25.36	25.29	23.91	23.56	23.93	24.39	24.94	25.56
20	26.13	26.03	26.16	26.35	25.42	24.81	23.65	23.80	23.88	24.43	25.02	e25.8
25	26.08	26.07	26.22	26.15	25.50	24.37	23.48	23.77	23.95	24.61	25.21	26.06
Eom	25.90	26.04	26.39	26.08	25.47	24.16	23.13	23.57	24.06	24.83	25.34	26.21
1968												
5	26.26	26.79	26.79	26.85	26.45	24.48	22.97	24.11	23.54	24.73	25.61	26.30
10	26.41	26.84	26.58	26.75	26.26	24.31	22.84	23.87	23.82	25.08	25.61	26.39
15	26.41	26.85	26.87	26.65	e25.9	24.17	23.25	23.66	23.88	25.01	25.79	26.55
20	26.54	26.83	26.87	26.65	25.70	24.10	23.58	23.45	23.82	25.27	25.89	26.71
25	26.61	26.89	26.97	26.60	25.26	23.70	23.87	23.60	24.17	25.39	25.79	26.88
Eom	26.71	26.80	27.03	26.59	24.75	23.41	24.05	23.51	e24.4	e25.5	26.09	26.95
1969												
5	27.04	26.93	27.31	27.43	27.33	27.28	27.71	27.87	27.85	27.72	27.39	27.40
10	26.85	26.96	27.22	27.37	27.37	27.31	27.73	27.89	27.78	27.63	27.49	27.38
15	26.81	27.06	27.13	27.38	27.41	27.46	27.73	27.94	27.68	27.67	27.48	27.33
20	26.97	27.28	27.29	27.44	27.29	27.56	27.78	27.90	27.63	27.58	27.41	27.34
25	27.00	27.34	27.26	27.37	27.20	27.60	27.81	27.82	27.71	27.53	27.42	27.34
Eom	26.98	27.33	27.35	27.25	27.33	27.66	27.83	27.85	27.67	27.48	27.39	27.36
1970												
5	27.38	27.20	26.78	26.41	26.22	25.79	24.45	23.36	22.56	22.00	22.17	23.66
10	27.34	27.13	26.73	26.38	26.12	25.68	24.12	23.30	22.45	21.84	22.51	23.83
15	27.40	27.09	e26.6	26.34	26.04	25.64	23.99	23.04	22.36	21.83	22.80	23.93
20	27.37	27.04	26.58	26.30	25.97	25.21	23.86	22.93	22.31	21.90	23.06	24.00
25	27.32	e26.9	26.49	26.23	25.91	24.92	23.63	22.85	22.05	21.92	23.24	24.07
Eom	27.26	26.83	26.43	26.26	25.85	24.68	23.52	22.78	21.93	21.94	23.49	24.10

e Estimated.

211718N1574910. Local number 25E. Formerly 25. State of Hawaii. Kaimuki High School ground, Kaimuki Ave., Honolulu. Drilled observation (previously reported unused) artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, 3/4-in sampling tube, depth 378 ft (tube E). Lsd not available. MP top of iron cover, 0.50 ft above ground, 14.85 ft above msl. Highest water level 29.9 ft above msl, Nov. 20, 1939; lowest 18.97 ft above msl, Sept. 12, 1926. Records available: 1911, 1916, 1923-24, 1926, 1928-32, 1934-51, 1955-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1966	26.7	May 25, 1967	25.3	Aug. 23, 1968	23.3	Oct. 28, 1969	27.2
Feb. 10	27.1	June 30	24.1	Sept. 24	23.8	Nov. 18	27.1
Mar. 22	27.4	July 26	23.5	Oct. 22	25.0	Dec. 18	27.2
Apr. 25	27.0	Aug. 23	23.7	Nov. 26	25.6	Jan. 15, 1970	26.8
May 26	26.5	Sept. 26	24.3	Dec. 20	26.4	Feb. 27	26.5
June 16	25.9	Oct. 23	24.4	Jan. 20, 1969	26.7	Mar. 24	26.3
July 22	24.3	Nov. 15	24.8	Feb. 27	27.1	Apr. 14	26.0
Aug. 11	24.0	Dec. 14	25.2	Mar. 19	26.9	June 16	25.2
Sept. 28	23.6	Jan. 9, 1968	26.1	Apr. 25	26.9	July 21	23.6
Oct. 24	24.4	Feb. 8	26.6	May 28	27.1	Aug. 19	22.8
Nov. 21	26.2	Mar. 7	26.4	June 25	27.3	Sept. 29	21.9
Dec. 15	26.2	Apr. 16	26.5	July 24	27.7	Oct. 28	21.8
Jan. 18, 1967	26.0	May 13	25.5	Aug. 11	27.7	Nov. 19	22.7
Feb. 24	25.9	June 17	24.0	Sept. 17	27.4	Dec. 18	23.8
Mar. 16	25.9	July 22	23.5				

211818N1575103. Local number 81. R. Sakimoto. Young and Victoria Sts., Honolulu. Drilled observation (previously reported domestic) artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 8 in, depth 505 ft, cased to 476. Lsd not available. MP top of "A" on concrete wall, 19.69 ft above msl (since September 1965). Highest water level 33.04 ft above msl, Feb. 28, 1938; lowest 19.55 ft above msl, Aug. 19, 1970. Records available: 1916, 1923-24, 1926, 1929-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1966	27.7	June 30, 1967	24.28	Aug. 23, 1968	24.87	Oct. 29, 1969	23.43
Feb. 10	28.2	July 26	23.84	Sept. 24	23.05	Nov. 18	24.32
Mar. 22	28.6	Aug. 23	23.85	Oct. 22	23.50	Dec. 18	25.32
Apr. 26	27.9	Sept. 26	24.05	Nov. 26	23.32	Jan. 15, 1970	26.33
May 26	26.67	Oct. 23	24.25	Dec. 20	24.22	Feb. 27	25.73
June 16	25.95	Nov. 15	24.44	Jan. 20, 1969	26.13	Mar. 19	24.69
July 22	24.44	Dec. 14	25.51	Feb. 27	27.22	Apr. 14	23.74
Sept. 13	23.27	Jan. 9, 1968	26.60	Mar. 19	27.2	June 16	21.15
Oct. 24	23.73	Feb. 8	27.3	Apr. 25	26.82	July 21	20.13
Nov. 21	25.08	Mar. 7	28.1	May 28	25.86	Aug. 19	19.55
Dec. 15	25.54	Apr. 26	28.1	June 25	24.83	Sept. 24	19.67
Jan. 18, 1967	26.05	May 13	27.5	July 24	24.13	Oct. 28	20.40
Feb. 24	25.84	June 17	26.15	Aug. 11	23.60	Nov. 19	20.94
Mar. 16	25.95	July 22	23.76	Sept. 17	23.41	Dec. 18	22.97
May 25	25.38						

211824N1575107. Local number 83. Honolulu Board of Water Supply. Beretania and Ward Ave., Honolulu. Drilled observation (previously reported unused) artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 2 1/2 in, depth 474 ft, cased to 458. Lsd not available. MP top of recorder platform, 32.20 ft above msl (since August 1966). Highest water level 33.29 ft above msl, Mar. 10, 1938; lowest 19.56 ft above msl, Aug. 21, Aug. 24, 1970. Records available: 1923, 1925-49, 1952-54, 1957-70. Records furnished by Honolulu Board of Water Supply.

211824N1575107--Continued.

Mean water level for the day, above msl, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	27.84	28.42	28.91	28.45	27.44	26.60	25.37	24.0	23.50	23.05	24.25	25.49
10	27.90	28.49	28.83	28.39	27.27	26.24	25.20	23.84	23.29	23.22	24.64	25.55
15	27.96	28.53	28.84	28.22	27.10	26.14	24.80	23.46	23.28	23.47	24.92	25.64
20	28.18	28.76	28.84	28.12	26.86	25.96	24.69	23.26	23.25	23.71	25.12	25.77
25	28.33	28.77	28.62	27.93	26.85	25.63	24.51	23.45	23.16	23.82	25.34	25.88
Eom	28.43	28.89	28.53	27.67	26.74	25.49	24.25	23.37	22.96	23.89	25.51	25.96

1967

5	26.14	25.98	26.00	26.36	25.85	25.39	24.37	23.62	24.02	23.98	24.38	25.01
10	26.26	25.78	26.00	26.41	25.74	24.95	24.35	23.75	24.06	24.08	24.45	25.24
15	26.42	26.02	26.08	26.38	25.54	24.89	24.09	23.89	24.00	24.05	24.54	25.51
20	26.28	26.00	e26.1	26.26	25.44	24.60	23.98	24.00	24.11	24.16	24.44	25.75
25	26.22	25.89	26.18	26.14	25.45	24.45	23.90	23.89	24.13	24.36	24.63	26.15
Eom	26.23	25.93	26.30	25.96	25.43	24.32	23.84	23.88	24.03	24.33	24.87	26.38

1968

5	26.48	e27.5	e28.0	28.37	27.67	26.65	25.00	23.48	22.85	23.38	23.37	23.84
10	26.72	27.65	28.02	28.35	27.60	26.48	24.57	23.14	23.06	e23.3	23.35	23.97
15	26.78	27.91	28.15	28.25	27.54	26.26	24.14	23.15	23.10	23.52	23.46	24.15
20	26.83	27.92	28.23	28.16	27.36	26.08	23.85	22.99	22.98	23.64	23.49	24.33
25	27.06	28.12	28.35	28.12	27.02	25.66	23.73	22.96	23.18	23.50	23.39	24.67
Eom	27.25	27.99	28.38	27.86	26.82	25.43	23.52	22.79	23.27	23.44	23.61	24.99

1969

5	25.53	26.86	27.36	27.36	26.67	25.65	24.70	23.86	e23.6	23.72	23.58	25.27
10	25.93	26.96	27.38	27.17	26.56	e25.5	e24.6	23.61	23.56	23.51	23.89	25.53
15	26.14	27.00	27.20	27.19	26.44	25.45	24.54	23.50	23.58	23.67	24.14	25.58
20	26.24	27.11	27.36	27.15	26.21	25.10	24.40	23.57	23.46	23.64	24.51	25.60
25	26.30	e27.2	27.47	26.88	26.09	24.94	24.10	23.53	23.71	23.49	24.73	25.68
Eom	26.37	27.28	27.38	26.74	25.85	24.87	24.00	23.70	23.72	23.53	25.05	25.97

1970

5	26.22	26.34	25.40	24.20	23.26	21.71	20.64	20.05	19.63	19.99	20.48	22.36
10	26.27	26.13	25.13	23.79	22.99	21.41	20.36	19.87	19.74	20.05	20.65	22.72
15	26.40	26.13	24.82	23.68	22.58	21.33	20.41	19.65	19.72	e20.0	20.72	22.92
20	26.41	26.01	24.67	23.48	22.18	20.90	20.27	19.63	19.83	20.11	21.07	23.23
25	26.52	25.94	24.32	23.46	22.15	20.89	20.17	19.58	19.66	20.34	21.46	23.34
Eom	26.46	25.69	24.06	23.37	22.08	20.79	20.17	19.58	19.58	20.46	21.91	23.61

e Estimated.

211912N1575230. Local number 119. Honolulu Gas Co. Iwilei, Honolulu. Drilled industrial artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 8 in, depth 682 ft, cased to 613. Led not available. 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: 1923-68. Measurement discontinued in 1968.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1966	26.1	Aug. 11, 1966	22.1	Mar. 16, 1967	24.1	Nov. 15, 1967	22.9
Feb. 21	26.6	Sept. 28	21.7	May 25	23.2	Dec. 14	24.2
Mar. 22	26.6	Oct. 24	22.8	June 30	21.9	Jan. 9, 1968	25.2
Apr. 26	25.7	Nov. 21	23.4	July 26	22.4	Feb. 8	26.0
May 26	24.8	Dec. 15	24.1	Aug. 23	22.2	Mar. 7	26.4
June 16	24.4	Jan. 18, 1967	24.0	Sept. 26	21.7	Apr. 16	26.1
July 22	21.9	Feb. 24	24.0	Oct. 23	22.7	May 13	25.8

212106N1575337. Local number 153. Sam Damon Estate. Moanalua Gardens, Honolulu. Drilled irrigation (previously reported domestic and irrigation) artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 10 in, depth 289 ft, cased to 79. Led not available. MP top of flange on 10-in T, 20.49 ft above msl. Highest water level 31.88 above msl, April 1917; lowest 18.73 above msl, Aug. 19, 1970. Records available: 1910-21, 1923-70.

Jan. 6, 1966	24.39	July 15, 1966	22.08	Jan. 26, 1967	23.03	Aug. 16, 1967	21.98
12	24.42	22	21.76	31	22.89	23	21.98
19	24.47	25	21.93	Feb. 8	22.83	29	21.88
26	24.57	Aug. 1	21.77	17	22.80	Sept. 7	21.89
Feb. 1	24.59	11	21.32	24	22.73	Oct. 26	21.77
10	24.86	15	21.37	Mar. 1	22.77	Oct. 23	21.92
17	24.96	25	21.27	8	22.62	Nov. 15	21.96
21	25.01	31	21.07	16	22.71	Dec. 14	22.85
Mar. 1	25.18	Sept. 8	21.20	23	22.89	Jan. 9, 1968	23.83
8	25.23	13	21.06	29	23.11	Feb. 8	24.54
15	25.10	23	20.87	Apr. 5	23.19	Mar. 7	24.69
22	24.84	28	20.86	12	23.10	Apr. 16	24.61
29	24.82	Oct. 6	20.77	May 2	22.76	May 13	24.65
Apr. 6	24.67	13	21.17	8	22.74	June 17	23.80
14	24.64	19	21.24	16	22.57	July 22	22.59
19	24.51	24	21.30	25	22.71	Aug. 23	21.83
26	24.39	Nov. 3	21.36	1	22.71	Sept. 24	21.62
May 4	24.13	7	21.61	8	22.52	Oct. 22	22.05
12	23.87	16	22.15	16	22.33	Nov. 26	21.80
18	23.75	21	22.27	21	22.25	Dec. 27	23.14
26	23.48	Dec. 1	22.44	30	22.07	Jan. 20, 1969	24.25
June 3	23.22	8	22.63	July 7	22.26	Feb. 27	24.53
7	23.13	15	22.60	12	22.10	Mar. 19	24.69
16	22.88	19	22.68	20	21.88	Apr. 21	23.85
21	22.81	Jan. 5, 1967	23.01	24	21.92	May 28	23.23
30	22.46	12	22.99	Aug. 3	21.67	June 25	22.85
July 6	22.34	18	23.12	10	21.90	July 24	22.46

212106N1575337--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 11, 1969	22.01	Dec. 30, 1969	21.95	Apr. 14, 1970	20.56	Sept. 24, 1970	19.06
Sept. 17	21.71	Jan. 20, 1970	22.33	June 16	19.39	Oct. 28	19.69
Oct. 28	21.43	Feb. 4	22.22	July 29	19.23	Nov. 23	19.94
Nov. 18	21.39	Mar. 19	21.07	Aug. 19	18.73	Dec. 16	20.49

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. Lsd not available. MP top of flange on 12-in T, 8.76 ft above msl. Highest water level 25.90 above msl, Jan. 16, 1928; lowest 15.06 above msl, Aug. 19, 1945. Records available: 1928-31, 1934-70. Recording gage installed Sept. 9, 1966.

Jan. 6, 1966	22.09	Mar. 22, 1966	22.29	June 7, 1966	20.27	Sept. 13, 1966	17.96
12	22.00	29	22.18	16	20.01	23	17.73
19	22.00	Apr. 6	21.78	21	19.77	28	17.68
26	22.00	14	21.62	30	19.50	Oct. 6	17.54
Feb. 1	22.03	19	21.56	July 6	19.46	18	18.26
10	22.37	26	21.40	15	19.08	25	18.22
17	22.48	May 4	21.17	22	18.88	Nov. 1	18.04
21	22.57	12	20.88	25	18.90	29	19.22
Mar. 1	22.61	18	20.78	Aug. 1	18.70	Dec. 6	19.56
8	22.67	26	20.60	11	18.45	13	19.57
15	22.45	June 3	20.36	17	18.17	20	19.51

Mean water level for the day, above msl, from recorder graph, 1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.92	19.75	19.34	19.93	19.56	(1)	19.48	19.08	19.13	.....	.....	19.78
10	19.88	19.61	19.31	19.96	19.56	.....	19.44	19.13	19.07	.....	.....	19.82
15	19.94	19.54	19.44	19.93	19.55	.....	19.32	19.24	18.88	.....	.....	20.09
20	19.84	19.49	19.55	19.79	19.59	.....	19.22	19.27	18.70	.....	.....	20.26
25	19.82	.....	19.88	19.81	19.53	.....	19.33	19.16	18.75	.....	.....	20.40
Eom	19.77	.....	20.01	19.78	19.58	19.20	19.18	19.08	.....	.....	19.61	20.59

1968

5	.....	21.85	20.85	21.39	21.46	20.93	20.44	19.66	19.17	.....	19.09	.....
10	.....	21.93	.....	21.40	.....	20.92	20.26	19.52	19.10	19.46	18.98	19.90
15	21.25	22.00	21.64	21.49	.....	20.77	20.24	19.38	19.01	19.37	18.96	20.08
20	21.45	22.05	21.66	.....	21.35	20.66	20.01	19.34	.....	19.39	19.12	20.39
25	21.54	.....	21.68	.....	21.20	20.60	19.83	19.25	.....	19.20	18.74	20.60
Eom	21.69	20.96	21.60	21.55	21.11	20.43	19.70	19.15	.....	19.17	.....	20.82

1969

5	21.42	22.10	22.31	21.52	20.82	20.60	20.35	20.00	19.29	19.00	18.64	19.52
10	21.82	22.10	22.34	21.29	20.80	20.54	20.41	19.62	19.21	18.82	18.61	19.62
15	22.08	21.94	22.33	21.22	20.77	20.55	20.33	19.47	19.14	18.86	18.92	19.37
20	22.23	22.11	22.16	21.15	20.77	20.41	20.24	19.42	19.02	18.79	19.20	19.29
25	22.26	22.26	21.91	21.01	20.82	20.37	20.16	19.40	19.10	18.74	19.41	19.25
Eom	22.12	22.28	21.63	20.91	20.63	20.36	20.07	19.34	19.05	18.69	19.43	19.46

1970

5	19.50	19.92	18.90	17.95	17.52	.....	.....	16.21	15.97	15.98	15.91	16.87
10	19.48	19.88	18.69	17.77	17.43	.....	16.31	16.19	15.80	15.98	16.06	17.42
15	19.47	19.85	18.46	17.78	17.41	16.76	16.31	16.14	15.86	16.02	16.26	17.41
20	19.80	19.83	18.27	17.63	17.26	16.58	16.28	16.11	15.90	15.97	16.33	17.35
25	20.03	19.67	18.08	17.51	.....	16.45	16.21	16.06	15.73	15.95	16.58	17.37
Eom	19.96	19.03	17.95	17.50	.....	.....	16.22	16.01	15.69	15.93	16.59	17.62

J Stevens recorder graph removed June 5, 1967, replaced by digital recorder.

212332N1575822. 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. Lsd not available. MP top of upper flange on valve, 13.17 ft above msl. Highest water level 31.21 above msl, February 1916; lowest 12.93 above msl, Aug. 18, 1970. Records available: 1910-21, 1923, 1926, 1929-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1966	19.40	May 26, 1966	17.46	Oct. 13, 1966	14.83	Mar. 16, 1967	16.32
12	19.02	June 3	17.22	19	14.95	23	16.61
19	18.86	7	17.12	24	15.06	29	16.99
Feb. 26	18.99	16	16.84	Nov. 3	14.73	Apr. 5	16.73
1	19.05	21	16.68	7	15.49	12	16.61
10	19.65	30	16.39	16	16.29	21	16.52
17	19.55	July 6	16.37	21	16.37	28	16.40
24	19.43	15	15.94	Dec. 1	16.32	May 2	16.47
Mar. 1	19.74	22	15.74	8	16.37	8	16.50
8	19.69	25	15.88	15	16.14	16	16.37
15	19.46	Aug. 1	15.65	19	16.23	25	16.42
22	19.21	11	15.40	Jan. 5, 1967	16.70	June 1	16.44
29	19.08	17	15.20	12	16.54	8	16.43
Apr. 6	18.71	25	15.10	19	16.45	15	16.43
14	18.58	31	14.96	26	16.40	21	16.37
19	18.44	Sept. 8	15.07	31	16.38	27	16.74
26	18.31	13	14.86	Feb. 31	16.25	July 7	16.25
May 4	18.07	23	14.58	17	16.19	12	16.23
12	17.79	28	14.52	Mar. 1	15.96	20	16.08
18	17.82	Oct. 6	14.48	8	16.08	24	16.29

212332N1575822--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 3, 1967	15.96	Feb. 9, 1968	18.97	Feb. 27, 1969	19.17	Jan. 14, 1970	16.86
10	16.19	Mar. 14	18.29	Mar. 18	19.10	Feb. 25	15.64
16	16.23	Apr. 26	18.25	Apr. 29	17.38	Mar. 18	13.65
23	16.11	May 21	17.99	May 27	17.39	Apr. 27	14.27
29	16.08	June 17	17.32	June 26	17.18	June 17	13.49
Sept. 7	16.01	July 22	16.62	July 23	16.77	July 28	13.45
26	15.69	Aug. 30	15.99	Aug. 12	16.40	Aug. 18	12.93
Oct. 24	15.60	Sept. 23	15.59	Sept. 22	15.85	Sept. 24	12.97
27	15.59	Oct. 22	16.00	Oct. 30	15.48	Oct. 29	13.05
Nov. 16	15.83	Nov. 22	15.52	Nov. 18	16.48	Nov. 23	13.66
Dec. 26	17.66	Dec. 27	17.56	Dec. 17	16.12	Dec. 17	14.22
Jan. 8, 1968	18.17	Jan. 17, 1969	19.28				

212317N1580032. Local number 244. B. P. Bishop Estate. Waipahu. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 3/4-in, depth 224 ft, cased to 214. Lsd not available. MP top of hollow tile, 17.22 ft above msl (since January 1970). Highest water level 30.02 above msl, February 1916; lowest 14.80 above msl, July 26, 1945. Records available: 1910-21, 1923-70.

Jan. 3, 1966	23.8	Aug. 18, 1966	17.64	Mar. 29, 1967	21.13	May 21, 1968	21.4
12	22.7	25	17.50	Apr. 5	20.09	June 17	20.59
19	22.3	31	17.34	12	19.79	July 29	19.37
26	22.5	Sept. 8	17.57	21	19.70	Aug. 16	19.03
Feb. 1	22.3	13	17.22	May 2	19.53	Sept. 23	18.26
10	24.1	23	16.84	21	19.35	Oct. 23	18.92
17	23.4	28	16.78	8	19.66	Nov. 22	18.58
25	22.9	Oct. 6	16.77	16	19.48	Dec. 27	22.4
Mar. 1	24.2	13	17.39	25	19.45	Jan. 17, 1969	25.2
8	23.3	19	17.40	June 1	19.45	Feb. 25	24.6
15	23.1	24	17.62	8	19.63	Mar. 18	23.8
22	22.7	Nov. 3	17.22	20	19.43	Apr. 29	20.75
29	22.5	7	19.13	27	19.20	May 27	20.73
Apr. 6	21.9	16	20.20	July 7	19.28	June 26	20.31
14	21.7	21	20.23	12	19.17	July 23	19.72
19	21.6	Dec. 1	19.89	20	19.02	Aug. 12	19.46
26	21.6	8	19.78	24	19.39	Sept. 23	18.89
May 4	21.1	15	19.27	Aug. 3	18.82	Oct. 29	18.37
12	20.72	19	19.63	10	19.36	Nov. 28	21.11
18	20.70	Jan. 5, 1967	20.64	16	19.18	Dec. 18	19.22
26	20.34	12	20.19	23	18.99	Jan. 14, 1970	20.99
June 3	20.04	19	19.72	29	19.06	Feb. 25	18.57
7	19.98	26	19.90	Sept. 7	19.12	Mar. 18	17.64
16	19.57	31	19.62	27	18.36	Apr. 27	16.87
21	19.40	Feb. 8	19.48	Oct. 24	18.22	June 17	15.80
30	19.01	17	19.24	Nov. 16	18.64	July 28	15.67
July 6	19.20	Mar. 1	19.05	Dec. 26	22.5	Aug. 17	15.09
15	18.48	24	18.90	Jan. 8, 1968	23.1	Sept. 23	15.01
20	18.38	8	19.23	Feb. 9	24.0	Oct. 27	15.15
25	18.48	16	19.71	Mar. 14	22.8	Nov. 23	15.46
Aug. 1	18.25	23	20.54	Apr. 26	22.1	Dec. 17	16.85
11	17.88						

212154N1580152. Local number 266. Hawaii Meat Co. Honouliuli. Drilled observation (previously reported irrigation) artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 10 in, depth 355 ft, cased to 165. Lsd not available. MP top of horizontal blind flange, 16.04 ft above msl (since January 1958). Highest water level 29.16 above msl, April 1918; lowest 12.50 above msl, Sept. 23, 1970. Records available: 1910-21, 1923-70.

Jan. 3, 1966	23.8	Aug. 18, 1966	15.98	Apr. 5, 1967	19.09	June 17, 1968	19.17
12	21.4	25	15.82	12	18.55	July 29	17.87
19	20.8	31	15.68	21	18.46	Aug. 16	17.41
26	20.9	Sept. 8	16.15	28	18.30	Sept. 23	16.59
Feb. 1	21.1	13	15.57	May 2	18.34	Oct. 23	17.57
10	23.8	23	15.11	8	18.52	Nov. 22	16.99
17	22.1	28	15.07	16	18.21	Dec. 27	22.20
25	21.4	Oct. 6	15.28	25	18.15	Jan. 17, 1969	25.6
Mar. 1	23.8	13	16.16	June 2	17.98	Feb. 25	24.6
8	22.4	19	15.83	20	18.14	Mar. 18	23.0
15	21.92	24	16.36	27	17.87	Apr. 30	19.24
22	21.47	Nov. 3	15.99	July 7	17.93	May 27	19.35
29	21.25	7	18.71	12	17.77	June 26	18.88
Apr. 6	20.50	16	19.64	20	17.60	July 23	18.32
14	20.23	21	19.20	24	18.08	Aug. 12	17.87
26	20.24	Dec. 1	18.37	Aug. 3	17.32	Sept. 23	17.04
May 4	19.55	8	19.22	10	17.92	Oct. 29	16.70
12	19.25	15	18.19	16	17.78	Nov. 24	20.42
18	19.24	19	19.08	23	17.55	Dec. 23	18.00
26	18.92	Jan. 5, 1967	19.69	29	17.66	Jan. 14, 1970	20.46
June 3	18.53	19	18.23	Sept. 7	17.72	Feb. 25	17.05
7	18.56	26	18.24	27	16.81	Mar. 18	16.23
16	18.08	31	18.24	Oct. 24	16.67	Apr. 27	15.21
21	17.90	Feb. 8	18.10	Nov. 16	17.21	June 17	14.05
30	17.48	17	18.19	Dec. 26	22.23	July 28	13.59
July 6	17.80	24	17.80	Jan. 8, 1968	22.8	Aug. 17	13.24
15	17.00	Mar. 1	17.55	Feb. 9	23.8	Sept. 23	12.50
20	16.78	8	18.55	Mar. 14	20.81	Oct. 27	13.35
25	16.91	16	19.21	Apr. 26	20.86	Nov. 16	13.80
Aug. 1	16.69	23	20.23	May 21	20.12	Dec. 17	15.37
11	16.26	29	20.66				

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 information, lsd, and MP not available. Highest water level 16.7 above msl, February 1909; lowest 8.87 above msl, Jan. 19, 1968. Records available: 1909-70. Records furnished by Ewa Plantation Co.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1966	13.96	Dec. 12, 1966	12.71	Jan. 29, 1968	13.37	Feb. 14, 1969	12.96
13	12.39	16	11.79	Feb. 5	13.43	Mar. 18	13.60
Feb. 14	13.31	Jan. 11, 1967	11.73	14	12.67	27	12.35
24	12.14	24	12.48	Mar. 4	13.29	Apr. 6	12.93
Mar. 1	13.45	Feb. 7	11.77	30	12.19	11	11.81
19	12.77	20	12.81	Apr. 13	12.56	Nov. 21	12.14
Apr. 8	12.63	Mar. 11	12.58	14	12.31	28	12.38
16	11.96	20	11.60	May 1	11.56	Dec. 9	12.98
May 8	12.63	Apr. 6	11.85	11	11.56	20	11.50
16	11.98	16	12.48	July 6	12.43	Jan. 2, 1970	12.81
June 21	12.85	May 5	11.27	Sept. 28	11.50	3	11.52
25	12.04	19	11.52	29	11.71	Feb. 6	12.51
July 19	11.77	June 2	10.98	Oct. 4	12.56	Sept. 9	11.63
20	11.98	19	11.37	23	11.60	18	10.75
Aug. 14	11.87	July 5	11.81	Nov. 17	12.60	Oct. 16	11.32
Sept. 6	12.43	17	11.06	20	11.43	17	11.69
19	11.40	Nov. 7	11.10	Dec. 3	12.27	Nov. 25	11.39
Oct. 5	11.39	27	12.27	28	13.35	29	12.06
16	12.43	Dec. 3	12.23	Jan. 20, 1969	14.20	Dec. 11	12.35
Nov. 14	13.11	28	13.94	31	13.06	28	12.08
22	11.13	Jan. 19, 1968	8.87	Feb. 2	13.60		

213446N1581049. Local number 286. Waialua Sugar Co., Ltd. Formerly Waialua Agricultural Co. Kawaihapai. Drilled observation (previously reported 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. Lsd not available. MP top of 12-in stilling well, 20.53 ft above msl. Highest water level 19.98 above msl, Jan. 5, 1969, Jan. 13, 1970; lowest 16.08 above msl, Aug. 6, 1929. Records available: 1929-70.

Mean water level for the day, above msl, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.40	19.22	19.28	18.86	18.70	18.92	18.82	18.98	19.16	18.78	19.24	19.38
10	19.30	19.30	19.22	19.10	18.80	18.68	18.88	19.00	19.04	18.86	19.36	19.38
15	19.36	19.24	.....	18.98	18.98	18.68	18.76	19.24	19.02	18.90	19.40	19.38
20	19.16	19.24	.....	18.96	18.70	18.76	18.86	18.98	.....	18.98	19.44	19.36
25	19.16	19.30	19.10	18.84	18.80	.....	19.10	18.92	19.02	18.84	19.40	19.32
Eom	19.26	19.34	18.92	18.92	18.74	18.68	19.26	19.06	18.84	.....	19.48	19.34

1967

5	19.34	19.08	18.88	19.00	18.78	18.88	18.84	18.72	18.82	18.64	18.76	19.08
10	19.22	18.78	19.04	19.02	18.74	18.78	18.86	18.84	18.78	18.60	18.80	19.20
15	19.34	18.80	19.10	19.10	18.78	18.70	18.72	18.78	18.58	18.82	18.68	19.28
20	19.46	18.88	19.12	18.78	18.94	18.78	18.78	18.82	18.72	18.50	18.82	19.16
25	.....	18.86	19.14	18.86	18.76	18.82	.....	18.76	18.72	18.46	19.00	.....
Eom	18.96	18.76	19.16	18.96	18.92	18.74	18.88	18.72	18.36	18.58	19.08	19.30

1968

5	19.39	19.38	19.04	18.82	19.00	18.62	18.60	18.82	.....	19.24	19.18	19.44
10	19.43	19.42	19.10	19.10	18.76	18.66	18.52	18.64	.....	19.30	19.14	19.40
15	19.36	19.54	19.10	19.04	18.70	18.58	18.70	18.80	.....	19.18	19.18	19.58
20	19.38	19.44	19.16	18.88	18.90	18.58	18.62	18.92	.....	19.34	19.18	19.62
25	19.46	19.54	19.30	18.74	18.64	18.56	18.68	18.94	.....	19.18	19.24	19.66
Eom	19.34	19.36	19.36	18.76	18.66	18.74	18.68	.....	19.16	19.16	19.44	19.70

1969

5	19.98	19.86	19.88	19.66	19.16	18.92	19.46	19.34	19.22	19.56	19.12	19.82
10	19.84	19.80	19.86	19.26	19.02	19.02	19.28	19.46	19.24	19.30	19.52	19.82
15	19.80	19.78	19.86	19.24	19.00	19.32	19.40	19.24	19.46	19.22	19.58	19.78
20	19.84	.....	19.86	19.40	.....	19.18	19.48	19.28	.....	19.50	19.72	19.78
25	19.84	.....	19.74	19.00	.....	19.28	19.26	19.36	19.22	.....	19.68	19.80
Eom	19.78	19.84	19.70	18.96	19.22	19.32	19.28	19.42	19.36	19.14	19.86	19.90

1970

5	19.90	19.56	19.00	19.16	18.86	.....	18.94	18.66	18.70	18.88	18.64	19.22
10	19.82	19.42	19.14	18.80	18.98	.....	18.66	18.86	18.78	18.84	18.68	19.26
15	19.80	19.34	19.30	18.76	18.74	.....	18.58	18.72	18.80	18.68	18.92	19.14
20	19.92	19.26	18.90	19.08	18.70	18.66	18.94	18.70	18.92	18.72	19.06	19.34
25	19.88	.....	19.26	.....	18.70	18.54	18.86	18.76	18.68	18.90	18.88	19.28
Eom	19.72	19.22	19.00	18.82	18.84	18.60	18.76	18.86	18.68	18.90	19.10	19.36

213435N1580911. Local number 308. J. F. Mendonca. Mokuleia. Drilled domestic artesian basal-water well in basalt of Waianae Volcanic Series, Pliocene(?) age, diam 10 to 8 in, depth 518 ft, cased to 440. Lsd not available. MP top of horizontal flange, 8.52 ft above msl (since April 1951). Highest water level 21.3 above msl, Jan. 16, 1969; lowest 16.75 above msl, Aug. 6, 1929. Records available: 1924-70.

213435N1580911--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1966	20.5	Apr. 27, 1967	19.9	July 24, 1968	20.4	Oct. 27, 1969	20.2
Feb. 9	20.3	May 26	20.0	Aug. 28	20.7	Nov. 26	20.9
Mar. 24	19.9	June 22	19.9	Sept. 25	20.6	Dec. 22	21.1
Apr. 28	20.0	July 28	20.0	Oct. 30	20.9	Jan. 21, 1970	20.9
May 20	19.5	Aug. 29	20.5	Nov. 20	20.9	Feb. 26	20.4
June 29	20.0	Sept. 28	20.1	Dec. 18	21.0	Mar. 23	20.5
July 26	20.8	Oct. 25	20.5	Jan. 16, 1969	21.3	Apr. 28	20.3
Aug. 18	20.7	Nov. 21	20.6	Feb. 26	20.9	June 18	20.1
Sept. 23	20.5	Dec. 27	20.8	Mar. 20	20.7	July 22	20.4
Oct. 28	20.2	Jan. 12, 1968	20.9	Apr. 17	20.1	Aug. 24	20.6
Nov. 17	21.2	Feb. 12	20.9	May 26	20.7	Sept. 28	20.5
Dec. 20	20.7	Mar. 19	20.6	June 24	20.7	Oct. 26	20.6
Jan. 26, 1967	20.2	Apr. 24	20.5	July 22	20.7	Nov. 25	20.6
Feb. 27	19.9	May 22	20.5	Aug. 14	20.4	Dec. 14	20.7
Mar. 29	20.4	June 20	20.1	Sept. 22	21.1		

213455N1580653. Local number 326. Waialua Sugar Co., Ltd. Formerly Waialua Agricultural Co. Waialua. Drilled irrigation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 6 in, depth 201 ft, cased to 114. Lsd not available. 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, 1924-70.

Jan. 10, 1966	12.41	Apr. 27, 1967	11.22	July 24, 1968	11.61	Oct. 27, 1969	12.27
Feb. 9	12.47	May 26	10.95	Aug. 28	11.64	Nov. 26	12.37
Mar. 24	11.84	June 22	11.08	Sept. 25	11.51	Dec. 22	12.53
Apr. 28	11.41	July 28	11.29	Oct. 30	11.63	Jan. 21, 1970	12.49
May 20	11.22	Aug. 30	11.73	Nov. 20	12.25	Feb. 26	11.88
June 29	11.00	Sept. 28	11.53	Dec. 18	12.69	Mar. 23	11.46
July 26	11.98	Oct. 25	11.58	Jan. 16, 1969	13.0	Apr. 28	10.88
Aug. 26	11.16	Nov. 21	12.01	Feb. 26	12.9	June 18	10.70
Sept. 26	11.24	Dec. 27	12.7	Mar. 20	12.9	July 22	10.68
Oct. 28	11.62	Jan. 12, 1968	12.69	Apr. 17	11.69	Aug. 24	11.13
Nov. 17	12.69	Feb. 12	12.73	May 26	12.13	Sept. 28	10.98
Dec. 20	12.28	Mar. 19	12.47	June 24	12.10	Oct. 26	11.15
Jan. 31, 1967	11.62	Apr. 24	12.21	July 22	12.02	Nov. 25	11.58
Feb. 27	11.54	May 22	11.77	Aug. 14	11.63	Dec. 14	12.12
Mar. 29	12.03	June 20	11.84	Sept. 29	12.29		

214125N1580134. Local number 337. State of Hawaii. Waialeale. Drilled observation (previously reported unused) artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 8 in, depth 61 ft, cased to 36. Lsd not available. MP 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: 1929-70.

Jan. 5, 1966	14.82	Apr. 27, 1967	13.81	July 24, 1968	14.51	Oct. 27, 1969	14.64
Feb. 9	14.93	May 26	13.75	Aug. 28	14.84	Nov. 25	14.51
Mar. 29	15.11	June 22	13.77	Sept. 25	14.84	Dec. 22	14.40
Apr. 28	15.16	July 28	14.01	Oct. 30	14.84	Jan. 21, 1970	14.24
May 20	15.18	Aug. 30	14.16	Nov. 20	14.84	Feb. 26	14.01
June 29	15.20	Sept. 28	14.14	Dec. 18	14.84	Mar. 23	13.85
July 26	15.37	Oct. 25	14.28	Jan. 16, 1969	14.33	Apr. 28	13.72
Aug. 26	15.27	Nov. 21	14.36	Mar. 20	14.19	June 18	13.66
Sept. 26	15.04	Dec. 27	14.31	Apr. 17	14.12	July 22	13.70
Oct. 28	14.95	Jan. 12, 1968	14.36	May 26	14.31	Aug. 26	13.95
Nov. 17	14.97	Feb. 12	14.28	June 24	14.42	Sept. 30	14.07
Dec. 20	14.69	Mar. 19	14.04	July 22	14.56	Oct. 26	13.85
Jan. 30, 1967	14.41	Apr. 24	13.99	Aug. 14	14.34	Nov. 24	13.99
Feb. 27	14.14	May 22	14.07	Sept. 22	14.59	Dec. 14	13.78
Mar. 30	13.89	June 19	14.30				

214053N1575704. Local number 356. Kahuku Plantation Co. Kahuku. Drilled observation (previously reported industrial) artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 12 in, depth 397 ft, cased to 172. Lsd not available. MP top of 10-in standpipe, 15.98 ft above msl (since November 1970). Highest water level 17.12 above msl, January 1916; lowest 8.00 above msl, Oct. 5, 1962. Records available: 1911-18, 1921, 1926-70.

Mean water level for the day, above msl, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	14.40	14.15	14.30	11.85	11.25	11.25	10.80	10.50	11.30	9.95	11.85	13.05
10	14.25	14.40	13.70	12.40	11.25	11.00	11.10	10.35	10.80	11.20	12.25	13.00
15	14.10	14.25	13.40	12.55	12.00	10.90	10.35	10.75	10.45	11.25	12.40	13.05
20	14.20	14.25	13.40	12.65	11.20	10.70	10.40	10.80	10.35	10.10	12.60	12.95
25	14.25	14.25	12.25	11.85	11.25	10.85	11.55	11.30	10.30	10.05	12.85	12.95
Eom	14.35	14.40	12.00	11.60	11.10	10.55	11.30	10.65	10.20	11.15	13.00	12.95
1967												
5	12.90	12.65	12.15	12.25	10.85	11.45	11.25	.....	.....	10.55	11.25	11.85
10	12.80	12.45	12.20	12.25	10.70	11.90	11.10	.....	11.60	10.60	10.40	12.50
15	12.85	12.90	12.25	12.60	10.80	10.40	10.90	.....	10.95	11.45	11.10	12.75
20	12.90	12.85	12.25	12.30	11.20	10.55	10.80	.....	10.90	11.50	10.70	12.75
25	12.95	12.60	12.85	11.70	11.60	10.75	.....	.....	10.95	11.40	11.85	12.80
Eom	12.95	12.25	12.35	11.65	11.00	11.55	.....	.....	10.85	11.00	11.75	12.88

214053N1575704--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.00	13.35	12.30	11.65	12.00	10.80	10.65	10.15	10.05	8.75	9.95	12.40
10	13.13	13.40	12.05	11.50	11.70	10.85	10.40	10.20	9.55	9.45	10.85	12.45
15	13.20	13.50	12.30	11.75	11.30	10.80	10.40	10.70	9.40	9.55	10.35	12.60
20	13.30	13.45	12.75	12.40	11.30	10.70	10.40	10.65	10.15	8.60	11.80	12.70
25	13.25	13.50	12.60	12.85	11.45	10.55	.....	10.60	10.10	9.70	11.60	12.80
Eom	13.25	13.35	12.65	12.10	10.95	10.65	10.45	10.05	9.95	9.85	12.20	12.85
1969												
5	13.30	13.50	12.15	13.15	10.95	10.60	10.60	10.00	9.80	10.20	.....	.....
10	13.30	13.55	11.90	11.45	11.80	10.50	10.00	10.30	9.80	9.80	.....	.....
15	13.30	13.50	11.90	11.25	10.75	10.85	10.00	9.80	9.90	10.40	.....	.....
20	13.35	13.45	12.30	11.55	10.75	10.25	10.60	9.85	9.70	.....	.....	.....
25	13.35	13.05	12.20	10.90	11.10	10.25	10.15	9.95	9.75	.....	.....	12.15
Eom	13.35	12.90	12.65	10.65	11.65	10.35	9.95	10.85	9.90	.....	.....	.....
1970												
5	.....	.....	10.05	10.10	10.95	9.55	10.25	8.90	9.70	9.85	9.40	11.70
10	.....	.....	10.15	9.40	10.95	9.45	.....	9.05	9.20	9.95	9.55	11.80
15	.....	.....	10.25	9.30	9.70	9.65	.....	9.10	9.10	9.35	10.30	11.90
20	.....	.....	9.65	9.70	11.25	9.70	.....	8.90	9.55	10.20	11.15	11.95
25	.....	.....	9.55	9.70	10.45	9.15	9.35	8.90	9.15	10.50	11.45	11.90
Eom	.....	10.65	9.75	9.35	10.85	....	8.90	9.30	9.50	9.95	11.65	11.95

213623N1575436. Local number 396. Kahuku Plantation Co. Hauula. Drilled observation (previously reported unused) artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 8 in. Depth, casing information, and lsd not available. 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, 1924-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1966	22.14	Mar. 30, 1967	20.27	June 19, 1968	19.59	Sept. 22, 1969	18.80
Feb. 9	21.88	Apr. 27	20.29	July 24	19.40	Oct. 27	18.63
15	21.78	May 31	19.94	Aug. 28	19.04	Nov. 25	18.73
Mar. 29	21.62	June 22	19.54	Sept. 25	19.08	Dec. 22	18.79
Apr. 28	20.73	July 28	20.05	Oct. 30	19.21	Jan. 21, 1970	19.77
May 20	19.84	Aug. 30	20.19	Nov. 20	19.03	Feb. 26	19.00
June 29	19.76	Sept. 28	19.47	Dec. 18	19.58	Mar. 23	18.04
July 26	19.56	Oct. 25	19.86	Jan. 16, 1969	20.89	Apr. 28	17.67
Aug. 26	19.45	Nov. 21	19.71	Feb. 26	21.11	June 18	17.60
Sept. 26	19.20	Dec. 27	20.68	Mar. 20	20.82	July 22	17.24
Oct. 28	19.04	Jan. 12, 1968	20.81	Apr. 17	20.30	Aug. 26	17.09
Nov. 17	19.90	Feb. 12	21.11	May 26	19.70	Sept. 30	16.88
Dec. 20	20.05	Mar. 20	20.70	June 24	19.05	Oct. 26	17.42
Jan. 30, 1967	19.78	Apr. 24	20.99	July 22	18.75	Nov. 24	17.86
Feb. 27	19.72	May 22	20.64	Aug. 14	18.61	Dec. 15	18.53

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. Lsd not available. MP top of flange on well, 5.76 ft above msl. Highest water level 21.3 above msl, Mar. 29, 1966; lowest 14.90 above msl, Oct. 28, 1946. Records available: 1935-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1966	21.2	Mar. 30, 1967	19.0	June 19, 1968	20.6	Sept. 22, 1969	19.5
Feb. 9	21.1	Apr. 27	19.4	July 24	20.4	Oct. 27	18.7
15	21.1	May 31	19.6	Aug. 28	19.8	Nov. 25	18.3
Mar. 29	21.3	June 22	19.6	Sept. 25	19.3	Dec. 22	18.2
Apr. 28	21.0	July 28	19.6	Oct. 30	19.0	Jan. 21, 1970	18.4
May 20	20.5	Aug. 30	20.1	Nov. 20	18.7	Feb. 26	18.5
June 29	20.0	Sept. 28	20.0	Dec. 18	18.5	Mar. 23	17.9
July 26	19.4	Oct. 25	20.0	Jan. 16, 1969	19.8	Apr. 28	17.3
Aug. 26	18.9	Nov. 21	20.1	Feb. 26	20.8	June 18	17.4
Sept. 26	18.5	Dec. 27	20.4	Mar. 20	21.2	July 27	16.9
Oct. 28	18.2	Jan. 12, 1968	20.8	Apr. 17	21.2	Aug. 26	16.5
Nov. 17	18.5	Feb. 13	20.6	May 26	20.8	Sept. 30	16.5
Dec. 20	18.8	Mar. 20	20.6	June 24	20.4	Oct. 26	16.4
Jan. 30, 1967	18.5	Apr. 24	21.0	July 22	20.0	Nov. 25	16.6
Feb. 27	18.6	May 22	20.9	Aug. 14	19.5	Dec. 15	16.9

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. Casing information and lsd not available. MP chiseled cross on top of concrete box, 12.67 ft above msl. Highest water level 19.19 above msl, May 22, 1968; lowest 12.27 above msl, Oct. 28, 1946. Records available: 1929-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1966	18.75	Dec. 20, 1966	16.75	Dec. 27, 1967	18.40	Dec. 18, 1968	17.28
Feb. 9	18.83	Jan. 30, 1967	16.59	Jan. 12, 1968	18.56	Jan. 16, 1969	17.88
15	18.77	Feb. 27	16.65	Feb. 13	18.78	Feb. 26	18.57
Mar. 29	18.92	Mar. 30	16.79	Mar. 20	18.77	Mar. 20	18.85
Apr. 28	18.70	Apr. 27	17.04	Apr. 24	19.09	Apr. 17	18.40
May 20	18.41	May 31	17.36	May 22	19.19	May 26	18.25
June 29	17.96	June 22	17.52	June 19	19.01	June 24	17.95
July 26	17.60	July 28	17.70	July 24	18.84	July 22	17.81
Aug. 26	17.26	Aug. 30	17.98	Aug. 28	18.45	Aug. 14	17.51
Sept. 26	16.81	Sept. 28	18.13	Sept. 25	18.16	Sept. 22	17.09
Oct. 28	16.42	Oct. 25	18.17	Oct. 30	17.79	Oct. 27	16.74
Nov. 17	16.67	Nov. 21	18.14	Nov. 20	17.42	Nov. 25	16.40

213243N1575100--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 22, 1969	16.20	Mar. 23, 1970	15.73	July 27, 1970	14.83	Oct. 26, 1970	14.49
Jan. 21, 1970	16.17	Apr. 28	15.39	Aug. 26	14.59	Nov. 25	14.51
Feb. 26	15.96	June 18	15.11	Sept. 30	14.54	Dec. 15	14.55

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. Lsd not available. MP top of 14-in reducer, 80.41 ft above msl. Highest water level 5.48 above msl, Mar. 27, 1951; lowest 3.70 above msl, May 29, 1946. May 27, 1948. Records available: 1939-67. Well sealed July 1967. Measurement discontinued.

Jan. 3, 1966	4.77	June 3, 1966	3.96	Oct. 6, 1966	4.37	Feb. 17, 1967	4.42
Feb. 25	4.58	July 20	4.19	Nov. 7	4.66	Mar. 8	4.22
Mar. 8	4.59	Aug. 18	4.32	Dec. 1	4.51	Apr. 5	4.19
Apr. 6	4.35	Sept. 8	4.44	Jan. 19, 1967	4.27	May 2	3.99
May 12	4.22						

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 3/4-in, depth 489 ft, cased to 488, perforated 468-488. Lsd not available. 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, 1966-68. Measurement discontinued in 1969. June 23, 1966, 2.11; Apr. 13, 1967, 2.15; Apr. 10, 1968, 2.35.

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. Lsd not available. MP top of reducer, 139.52 ft above msl (since July 1962). Highest water level 19.28 above msl, Jan. 28, 1943; lowest 15.07 above msl, Oct. 27, 1970. Records available: 1942-70.

Jan. 3, 1966	17.74	Apr. 5, 1967	16.79	July 29, 1968	16.45	Sept. 23, 1969	16.27
Feb. 25	17.79	May 2	16.48	Aug. 16	16.34	Oct. 29	16.16
Mar. 8	17.93	June 15	16.22	Sept. 3	16.29	Dec. 23	16.70
Apr. 6	17.56	July 20	16.12	Oct. 23	16.07	Jan. 13, 1970	17.30
May 12	17.37	Aug. 16	16.23	Oct. 23	16.23	Feb. 4	17.20
June 3	17.16	Sept. 27	16.16	Nov. 22	16.24	Mar. 18	16.31
July 20	16.67	Oct. 24	16.12	Dec. 27	17.44	Apr. 27	15.84
Aug. 18	16.45	Nov. 16	16.15	Jan. 7, 1969	18.42	June 17	15.34
Sept. 8	16.43	Dec. 26	17.33	Feb. 25	18.70	July 28	15.16
Oct. 6	16.28	Jan. 8, 1968	17.61	Mar. 18	18.72	Aug. 17	15.12
Nov. 7	16.46	Feb. 9	18.00	Apr. 30	17.05	Sept. 23	15.08
Dec. 1	16.93	Mar. 14	17.60	May 27	16.74	Oct. 27	15.07
Jan. 19, 1967	16.88	Apr. 26	17.00	June 26	16.52	Nov. 16	15.08
Feb. 17	16.90	May 21	16.93	July 23	16.45	Dec. 17	15.83
Mar. 8	16.65	June 14	16.73	Aug. 12	16.30		

212127N1575320. Local number T-24. Honolulu Board of Water Supply. Manaiaki Gulch. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 12 in, depth 115 ft, cased to 66. Lsd not available. MP top of casing, 61.05 ft above msl. Highest water level 26.50 above msl, Feb. 11, 1957; lowest 18.87 above msl, Aug. 21, Sept. 29, Sept. 30, 1970. Records available: 1945-70. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	24.42	24.58	25.17	24.68	24.04	23.24	22.47	21.54	21.18	20.74	21.34	22.47
10	24.41	24.83	25.16	24.68	23.93	23.04	22.31	21.36	21.20	20.87	21.7	22.59
15	24.42	24.93	25.11	24.58	23.84	22.96	22.12	21.37	21.00	21.09	22.04	22.52
20	24.48	24.98	24.87	24.49	23.60	22.89	21.95	21.10	20.96	21.20	22.18	22.56
25	24.54	25.05	24.82	24.35	23.57	22.7	21.95	21.20	20.85	21.14	22.24	22.64
Eom	24.60	25.11	24.73	24.13	23.43	22.52	21.78	21.11	20.75	21.17	22.36	22.78
1967												
5	22.90	22.83	22.57	23.10	22.53	22.68	22.30	21.77	21.83	21.69	21.86	22.42
10	22.82	22.74	22.57	23.00	22.64	22.57	22.29	21.89	21.89	21.77	21.86	22.62
15	22.94	22.79	22.66	23.05	22.56	22.43	22.05	21.94	21.77	21.76	21.95	22.83
20	22.90	22.80	22.75	22.92	22.65	22.31	21.96	21.95	21.82	21.79	22.04	23.02
25	22.92	22.70	22.95	22.86	22.67	22.15	21.92	21.85	21.76	21.84	22.25	23.23
Eom	22.88	22.67	23.07	22.77	22.66	22.10	21.74	21.84	21.74	21.88	22.34	23.44
1968												
5	23.70	24.41	24.70	24.54	24.42	23.89	23.06	22.36	21.99	21.97	21.91	22.22
10	23.82	24.52	24.60	24.68	24.47	23.91	22.97	22.23	21.95	22.11	21.77	22.41
15	23.91	24.64	24.75	24.54	24.46	23.79	22.87	22.12	21.78	22.07	21.66	22.63
20	24.05	24.79	24.72	24.48	24.44	23.52	22.68	22.01	21.60	22.11	21.77	22.79
25	24.19	24.88	24.76	24.52	24.20	23.38	22.64	21.96	21.66	22.01	21.79	23.02
Eom	24.29	24.80	24.70	24.52	24.06	23.23	22.41	21.92	21.70	21.92	21.94	23.20
1969												
5	23.60	24.41	24.59	24.17	23.76	23.23	22.89	22.26	21.90	21.65	21.18	21.88
10	23.87	24.38	24.61	23.99	23.71	23.17	22.73	22.14	21.84	21.44	21.27	21.92
15	24.11	24.33	24.53	23.88	23.54	23.15	22.73	22.00	21.80	21.51	21.32	21.85
20	24.24	24.43	24.62	23.84	23.50	22.95	22.62	22.00	21.58	21.44	21.53	21.72
25	24.32	24.52	24.42	23.79	23.39	22.91	22.51	21.90	21.86	21.45	21.72	21.77
Eom	24.34	24.57	24.22	23.73	23.35	22.92	22.46	21.94	21.74	21.26	21.88	e21.9

212127N1575320--Continued.

1970												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e22.1	22.39	21.71	20.86	20.35	70	19.38	19.13	18.92	19.31	19.36	20.25
10	22.15	22.27	21.57	20.72	20.26	19.37	19.17	19.14	19.06	19.45	19.56	20.37
15	22.29	22.19	21.37	20.60	20.15	19.52	19.28	18.89	18.96	19.47	19.72	20.46
20	22.46	22.12	21.18	20.55	20.04	19.36	19.30	18.88	e19.1	19.49	19.77	20.50
25	22.51	22.01	21.04	20.40	19.96	19.31	19.20	18.97	18.94	19.45	19.81	20.53
Eom	22.48	21.90	20.82	20.38	19.89	19.30	19.29	19.02	18.87	19.49	20.02	20.65

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. Lsd not available. MP top of casing, 40.53 ft above msl (since June 1962). Highest water level 22.42 above msl, Mar. 29, 1955; lowest 13.74 above msl, Sept. 29, 1962. 30, 1970. Records available: 1946-70. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1966												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.55	20.52	21.42	20.43	19.54	18.82	17.96	16.82	16.42	15.70	16.30	17.83
10	20.70	21.10	21.13	20.44	19.47	18.51	17.62	16.75	16.25	15.94	17.22	17.70
15	20.54	21.20	21.06	20.12	19.46	18.36	17.38	16.65	16.04	16.18	17.60	17.55
20	20.46	21.24	20.94	20.05	19.22	18.26	17.28	16.46	15.94	16.18	17.71	17.63
25	20.57	20.97	20.71	19.97	19.10	18.00	17.24	16.40	15.84	16.19	17.75	17.76
Eom	20.65	21.24	20.57	19.71	18.88	17.75	17.13	16.25	15.75	16.17	17.71	18.00

1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.16	17.87	17.41	18.26	17.81	e17.9	17.93	17.50	17.58	16.90	17.22	18.06
10	18.08	17.71	17.52	18.26	17.86	.....	17.91	17.67	17.41	16.98	17.26	18.14
15	18.06	17.73	17.81	18.20	e17.9	.....	17.75	17.73	17.23	17.06	17.25	18.58
20	17.85	17.70	17.86	18.06	17.86	.....	17.57	17.68	17.10	16.94	17.40	18.86
25	17.90	17.56	18.27	18.10	e17.9	.....	17.76	17.50	17.11	17.00	17.84	19.12
Eom	17.85	17.52	18.39	18.01	e17.9	17.69	17.60	17.40	16.98	17.06	17.92	19.30

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.56	20.47	20.32	19.68	19.79	19.16	18.65	e17.8	e17.4	17.53	17.11	17.91
10	19.67	20.55	20.10	19.73	19.68	19.06	18.48	17.73	17.25	17.56	17.05	18.10
15	19.78	20.55	19.97	19.87	19.68	18.90	18.30	e17.6	17.09	17.52	17.05	18.27
20	19.97	20.61	19.97	19.82	19.62	18.80	18.11	e17.5	16.97	17.44	17.12	18.67
25	20.12	20.69	19.96	19.90	19.44	18.72	17.99	17.39	16.92	17.21	17.02	18.92
Eom	20.32	20.48	19.91	19.89	19.26	18.55	17.88	17.35	16.93	17.12	e17.3	19.13

1969												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e19.8	20.47	20.87	19.64	18.95	e18.9	18.75	17.95	17.43	17.14	16.83	17.98
10	20.55	20.50	20.90	19.40	18.95	e18.8	e18.5	17.80	17.35	17.00	16.98	17.83
15	20.74	20.27	20.92	19.37	18.92	18.81	e18.3	17.76	17.25	17.04	17.35	17.75
20	20.91	20.63	20.50	19.21	18.94	18.65	18.30	17.66	17.19	17.00	17.95	17.45
25	20.93	20.78	20.10	19.05	18.95	e18.6	18.13	17.57	17.19	16.93	17.99	17.57
Eom	20.54	20.85	19.68	e18.9	18.90	18.65	18.05	17.45	17.17	16.85	18.30	18.05

1970												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.34	17.93	16.71	15.92	15.40	14.87	14.62	14.22	13.88	14.00	e13.9	15.64
10	18.09	e17.5	16.54	15.72	15.30	14.70	14.29	14.20	e13.9	13.95	e14.06	15.70
15	18.30	17.60	16.30	15.65	15.23	14.50	14.28	14.06	e13.8	e14.0	e14.17	15.59
20	18.28	17.23	16.27	15.56	15.12	14.58	14.18	e14.0	13.86	e13.9	e14.32	15.38
25	e18.1	17.07	16.04	15.45	15.03	14.49	14.25	e14.0	13.80	14.00	e14.70	15.45
Eom	18.04	16.87	15.99	15.45	15.03	14.48	14.40	13.95	13.74	13.95	15.24	16.00

e Estimated.

213439N1580608. Local number T-28. Waialua Sugar Co., Ltd. Formerly Waialua Agricultural Co. Helemano Gulch, near Waialua. Drilled observation basal water-table well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 12 in, depth 60 ft, cased to 39. Lsd not available. MP top of casing, 38.83 ft above msl. Highest water level 12.98 above msl, Mar. 8, 1969; lowest 9.53 above msl, June 12, 1947. Records available: 1947-70. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1966												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.35	12.25	12.38	11.73	11.38	11.37	11.34	11.30	11.58	11.09	12.24	12.47
10	12.36	12.44	12.34	12.06	11.45	11.08	11.20	11.34	11.14	11.42	12.55	12.40
15	12.35	12.32	12.28	11.62	11.64	11.18	11.01	11.80	11.04	11.51	12.53	12.30
20	12.08	12.44	12.26	11.67	11.28	11.40	11.05	11.38	11.12	11.64	12.50	12.18
25	12.12	12.50	11.89	11.86	11.27	11.03	11.70	11.20	11.24	11.70	12.46	12.19
Eom	12.26	12.60	11.80	11.66	11.34	10.96	12.02	11.15	11.09	11.84	12.50	12.18

1967												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.10	e11.5	11.52	11.78	11.31	11.57	11.42	11.18	12.06	11.42	11.87	12.32
10	12.03	e11.5	11.86	11.90	11.28	11.17	11.50	11.94	11.94	11.49	11.92	12.46
15	12.14	e11.4	12.01	11.92	11.46	11.08	11.12	11.70	11.62	11.80	11.64	12.59
20	12.10	e11.4	11.95	11.84	11.38	11.34	11.22	11.86	11.67	11.98	11.97	12.64
25	e11.8	e11.3	12.13	11.42	11.10	11.34	11.39	11.56	11.68	11.46	12.18	.....
Eom	e11.6	e11.3	11.96	11.54	11.19	11.12	11.50	11.58	11.43	11.54	12.32	.....

213439N1580608--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	11.86	11.79	12.04	11.59	11.84	11.86	11.64	11.88	11.51	12.33
10	12.00	11.97	11.80	11.76	11.68	11.68	11.55	11.70	11.82	12.35
15	12.14	12.15	11.76	11.64	11.78	11.62	11.54	11.80	11.96	12.36
20	12.59	11.94	11.98	11.72	11.66	11.66	11.42	11.92	12.12	e12.5
25	12.62	12.61	12.22	11.61	11.78	11.66	11.62	11.42	11.50	12.00	e12.6
Eom	12.10	12.61	11.96	11.68	11.68	11.77	11.55	11.54	11.48	12.20	e12.7

1969												
5	e12.8	12.90	12.96	12.62	12.10	11.90	12.42	11.95	11.91	12.24	11.60	12.60
10	e12.8	12.95	12.94	11.86	11.86	11.95	11.96	12.04	12.04	11.80	12.22	12.39
15	e12.9	12.85	12.93	11.94	11.94	12.20	12.11	11.67	12.30	11.86	12.50	12.32
20	12.87	12.87	12.89	12.10	12.08	11.94	12.20	11.69	11.90	12.20	12.46	12.39
25	12.86	e12.8	12.63	11.78	12.10	12.05	11.83	11.97	11.93	11.74	12.23	12.27
Eom	12.80	12.89	12.71	11.76	12.04	12.30	11.89	12.21	12.02	11.67	12.50	12.30

1970												
5	12.29	11.85	11.66	11.11	10.84	10.61	10.84	10.70	10.67	11.05	10.50	11.58
10	12.25	11.87	11.84	10.78	10.94	10.59	10.44	10.78	10.76	10.55	10.63	11.66
15	12.44	12.08	11.54	10.78	10.73	10.67	10.47	10.56	10.74	10.54	11.09	e11.6
20	12.29	11.88	10.99	11.02	10.66	10.50	10.55	10.65	10.66	10.59	10.98	e11.7
25	12.28	11.78	10.95	10.87	10.74	10.41	10.49	10.73	10.55	10.78	11.23	e11.7
Eom	12.07	11.88	11.03	10.70	10.94	10.49	10.76	10.86	10.56	10.82	11.52	e11.8

e Estimated.

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. Lsd not available. MP top of casing, 83.88 ft above msl (since April 1956). Highest water level 26.55 above msl, Feb. 2, 1957; lowest 13.42 above msl, Sept. 28, 1970. Records available: 1949-70. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	23.53	22.16	24.67	21.33	20.10	19.58	18.92	16.93	17.43	15.70	17.70	19.90
10	23.08	24.25	22.65	22.37	20.15	19.02	17.96	16.82	16.34	16.55	19.95	19.73
15	22.70	23.75	22.75	20.80	20.54	18.76	17.55	16.68	15.90	17.15	20.53	18.75
20	21.80	23.90	e23.3	20.65	19.75	18.70	17.36	16.53	15.89	16.22	20.60	19.46
25	21.95	22.45	22.07	20.93	19.63	18.30	17.52	16.32	15.79	16.56	20.50	20.34
Eom	22.41	23.97	21.51	20.78	19.42	18.00	17.45	16.24	15.64	17.18	19.25	20.63

1967												
5	20.35	19.94	19.24	19.83	18.80	19.27	19.17	18.26	19.55	17.06	18.87	19.57
10	19.48	18.65	19.25	19.90	18.95	19.50	18.85	18.52	18.45	17.36	18.08	20.50
15	20.27	18.95	20.08	20.07	19.20	18.70	18.65	18.57	17.71	17.64	18.03	21.71
20	18.87	19.30	19.82	19.17	19.37	18.78	18.20	18.77	17.46	17.17	18.70	22.19
25	19.03	19.20	21.10	19.42	18.85	18.95	18.47	18.07	17.71	17.10	20.16	22.52
Eom	18.95	18.53	20.84	19.58	18.83	18.30	18.35	17.95	17.35	17.57	19.12	22.82

1968												
5	23.08	24.19	22.25	20.91	21.74	20.04	20.25	18.34	17.80	19.65	18.15	21.03
10	22.84	24.36	22.56	21.28	20.77	19.99	19.12	18.15	17.62	18.75	18.72	21.44
15	22.90	23.55	21.53	21.78	20.88	19.65	18.85	17.97	17.31	18.60	17.95	e21.6
20	23.47	23.82	21.31	21.60	21.05	19.42	18.58	17.91	17.17	19.15	17.90	21.94
25	23.72	24.23	21.63	21.60	20.70	19.37	18.42	17.75	17.10	17.90	18.35	22.23
Eom	24.03	22.91	22.14	21.39	20.10	19.10	18.35	17.95	17.26	17.76	20.00	22.63

1969												
5	e24.1	22.98	24.75	21.70	20.20	19.95	20.57	18.65	17.95	17.73	17.33	19.67
10	25.64	23.48	24.97	20.55	20.00	19.80	19.31	18.76	17.73	17.33	17.97	18.95
15	25.85	22.95	24.99	20.57	20.15	20.21	19.15	18.27	17.60	17.43	19.35	19.51
20	25.90	24.65	e22.4	20.60	20.15	e20.1	19.12	18.25	17.47	17.60	20.90	19.13
25	25.51	24.96	21.41	19.97	20.45	e19.6	18.85	18.26	17.53	17.58	20.44	19.60
Eom	23.40	25.00	20.88	19.90	20.20	19.87	18.85	18.07	17.55	17.23	21.49	20.60

1970												
5	20.73	19.00	17.36	16.33	15.37	14.84	14.74	13.92	13.72	13.83	13.67	18.33
10	20.10	18.68	16.96	15.81	15.39	14.63	14.07	13.98	13.76	14.15	14.07	16.95
15	20.64	19.38	16.67	15.67	15.17	14.57	14.09	13.77	13.64	14.05	14.98	16.57
20	20.07	17.85	16.67	15.70	15.05	14.47	13.92	13.54	13.53	13.83	14.43	16.82
25	20.54	17.57	16.25	15.50	15.00	14.28	13.97	13.78	13.55	14.06	15.30	16.95
Eom	19.93	17.67	16.30	15.43	15.43	14.32	14.15	13.72	13.47	13.77	17.66	18.42

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. Lsd not available. 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. Records available: 1936-70. Records furnished by Honolulu Board of Water Supply.

211717N1574739--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1966	9.58	Mar. 16, 1967	9.69	June 27, 1968	9.99	Nov. 6, 1969	10.74
13	9.60	22	9.70	July 3	10.47	13	10.23
31	9.85	30	9.71	11	9.92	20	10.22
Feb. 3	9.55	Apr. 6	9.69	18	10.00	26	10.20
10	9.60	13	9.75	25	9.89	Dec. 4	10.16
17	9.80	20	9.81	Aug. 1	10.01	11	10.10
24	9.80	27	9.84	8	10.03	19	10.07
28	9.77	May 4	9.64	15	10.17	23	10.60
3	9.94	11	9.58	22	10.17	30	10.64
10	9.99	18	9.59	29	10.22	Jan. 8, 1970	10.63
16	9.99	25	9.55	Sept. 26	10.27	15	10.65
24	9.89	June 1	9.59	Oct. 12	10.23	22	10.58
31	9.96	8	9.57	17	10.29	29	10.62
Apr. 6	9.94	15	9.58	24	10.29	Feb. 5	9.99
14	9.98	22	9.54	Nov. 7	10.31	12	9.98
21	10.00	July 6	9.55	14	10.32	19	10.55
28	9.99	13	9.55	21	10.31	26	10.53
May 5	9.93	19	9.57	27	10.36	Mar. 5	9.85
12	9.93	27	9.55	Dec. 5	10.30	12	9.84
19	9.98	Aug. 3	9.52	11	10.29	19	10.38
26	9.92	10	9.52	26	10.32	24	10.36
June 2	9.87	17	9.60	Jan. 2, 1969	10.31	Apr. 2	10.32
9	9.87	24	9.62	16	10.49	9	10.30
16	9.89	31	9.73	23	10.46	16	9.70
23	9.90	Sept. 7	9.78	30	10.34	23	9.65
29	9.90	14	9.78	Feb. 6	10.29	May 7	9.47
July 7	9.90	21	9.81	13	10.22	14	9.63
14	9.94	28	9.81	19	10.13	20	9.54
21	9.90	Oct. 5	9.79	27	10.08	27	9.53
28	10.00	12	9.80	Mar. 6	10.98	June 4	9.72
Aug. 4	9.94	26	9.86	13	10.04	10	10.30
11	9.96	Nov. 2	9.85	20	10.06	18	9.56
18	9.99	8	9.89	27	10.58	24	9.56
25	9.99	16	9.90	Apr. 16	9.90	July 1	10.21
Sept. 1	9.99	22	9.88	24	10.05	8	9.48
8	9.99	29	10.33	May 1	9.91	16	9.44
15	9.99	Dec. 7	9.90	8	9.92	22	9.46
22	9.48	14	9.89	15	10.52	30	9.42
28	9.96	27	9.86	22	9.99	Aug. 6	10.11
Oct. 6	9.99	Jan. 4, 1968	9.84	28	10.43	13	9.22
13	9.95	11	9.97	June 5	10.34	19	10.19
20	9.86	18	10.16	12	10.57	27	9.47
27	9.90	25	10.15	19	10.05	31	9.53
Nov. 3	9.99	Feb. 1	10.11	26	10.09	Sept. 3	9.42
9	9.08	8	10.12	July 2	10.54	10	10.12
17	10.07	15	10.15	10	10.03	17	9.48
23	10.02	21	10.58	17	10.60	24	9.54
Dec. 1	10.01	28	10.98	30	10.72	Oct. 1	9.47
8	10.00	Mar. 7	10.10	Aug. 7	10.21	8	9.51
15	9.98	14	10.05	13	10.74	15	9.42
21	9.91	21	10.09	21	10.71	22	9.47
28	9.89	Apr. 4	10.45	28	10.66	29	9.59
Jan. 5, 1967	9.83	10	10.42	Sept. 4	10.20	Nov. 5	9.47
12	9.86	18	10.05	11	10.18	12	9.56
19	9.82	25	9.93	19	10.21	19	9.48
26	9.82	May 1	9.87	25	10.32	25	9.42
Feb. 2	9.81	9	9.96	Oct. 2	10.32	Dec. 3	9.52
9	9.78	16	10.06	9	10.22	10	9.38
16	9.79	23	9.92	16	10.24	17	9.48
23	9.70	29	9.92	23	10.64	23	9.22
Mar. 2	9.72	June 6	9.91	30	10.26	30	9.38
9	9.71	20	10.02	31	10.22		

212233N1575523. Local number T-45. Honolulu Board of Water Supply. Near North Malawa Valley. Drilled observation basal water-table well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 12 in, depth 85 ft, cased to 59. Lsd not available. MP top of casing, 58.01 ft above msl (since April 1956). Highest water level 24.08 above msl, Feb. 12, 1957; lowest 15.80 above msl, Sept. 30, Oct. 1, 1970. Records available: 1954-70. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.37	22.30	23.06	22.21	21.40	20.60	19.86	18.85	18.38	17.78	18.26	19.68
10	22.36	22.64	22.89	22.13	21.32	20.42	19.61	18.70	18.31	17.91	18.90	19.72
15	22.33	22.80	22.80	21.96	21.19	20.31	19.39	18.61	18.12	18.19	19.27	19.62
20	22.33	22.88	22.69	21.85	21.02	20.14	19.26	18.47	18.01	18.32	19.44	19.66
25	22.36	22.74	22.50	21.71	20.93	20.02	19.20	18.39	17.88	18.29	19.54	19.70
Eom	22.40	22.88	22.41	21.48	20.73	19.81	19.08	18.29	17.79	18.17	19.62	19.89
1967												
5	20.08	19.86	19.46	20.08	19.68	19.78	19.63	19.18	19.23	18.80	19.01	19.90
10	20.05	19.76	19.43	20.12	19.66	19.74	19.57	19.26	19.17	18.87	19.01	19.97
15	20.06	19.75	19.60	20.05	19.65	19.62	19.45	19.37	19.01	18.90	19.08	20.23
20	20.00	19.63	19.69	19.96	19.66	19.60	19.36	19.35	18.94	18.87	19.20	e20.5
25	19.94	19.50	19.97	19.97	19.67	19.52	19.45	19.29	18.94	18.91	19.49	e20.7
Eom	19.93	19.54	20.14	19.91	19.75	19.41	19.30	19.14	18.87	18.94	19.78	20.87

212233N1575523--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	21.13	21.97	22.07	21.57	21.60	21.08	20.57	19.80	19.37	19.49	19.24	19.82
10	21.29	22.04	21.91	21.57	21.53	21.06	20.44	19.69	e19.6	e19.6	19.17	20.01
15	21.37	22.13	21.82	21.64	21.55	20.93	20.40	19.54	19.17	e19.5	19.12	20.20
20	21.58	22.17	21.85	21.59	21.50	20.82	20.15	19.52	19.05	19.57	19.22	20.55
25	21.67	22.27	21.84	21.73	21.35	20.76	19.98	19.43	19.09	19.40	19.05	20.77
Eom	21.83	22.16	21.75	21.72	21.28	20.61	19.87	19.30	19.06	19.35	19.42	20.96
1969												
5	21.55	22.23	22.40	21.71	21.04	20.69	20.57	19.88	19.45	19.14	18.64	19.62
10	e21.9	22.24	22.45	21.49	21.00	20.69	20.45	19.76	19.36	18.96	18.78	19.55
15	22.20	22.11	22.42	21.40	20.92	20.72	20.33	19.59	19.28	19.00	19.03	19.46
20	22.33	22.22	22.32	21.33	20.90	20.50	20.32	19.55	19.15	18.92	19.41	19.25
25	22.35	22.39	22.10	21.15	20.95	20.49	20.13	19.54	19.25	18.87	19.65	19.31
Eom	22.25	22.39	21.84	21.03	20.80	20.52	20.02	19.48	19.18	18.70	19.82	19.72
1970												
5	20.00	19.92	18.86	18.08	17.67	16.94	16.64	16.31	15.92	16.05	16.03	17.37
10	19.90	19.70	18.71	17.89	17.61	16.84	16.34	16.24	15.96	16.08	16.16	17.50
15	20.04	19.65	18.55	17.80	17.54	16.80	16.39	16.09	15.88	16.07	16.33	17.50
20	20.19	19.35	18.39	17.74	17.40	16.66	16.34	15.98	15.98	16.09	16.41	17.44
25	20.15	19.20	18.22	17.61	17.20	16.55	16.32	15.94	e15.85	16.15	16.68	17.47
Eom	20.02	19.06	18.06	17.62	17.15	16.53	16.46	15.97	15.80	16.06	17.10	17.77
e Estimated.												

e Estimated.

212416N1575543. Local number T-52. Honolulu Board of Water Supply. Waimalu 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. Lsd not available. MP top of casing, 169.13 ft above msl. Highest water level 24.64 above msl, Feb. 12, 1957; lowest 15.95 above msl, Sept. 30, Oct. 1, Oct. 2, 1970. Records available: 1956-70. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	23.09	23.31	24.00	23.27	22.40	21.51	20.60	19.36	18.78	18.05	18.32	19.88
10	23.15	23.61	23.92	23.16	22.28	21.30	20.35	19.24	18.66	18.15	18.94	19.89
15	23.14	23.79	23.80	22.99	22.16	21.19	20.08	19.10	18.47	18.38	19.40	19.83
20	23.18	23.85	23.72	22.89	21.97	20.98	19.83	18.94	18.36	18.50	19.62	19.85
25	23.26	23.75	23.51	22.73	21.88	20.78	19.67	18.82	18.22	18.44	19.70	19.89
Eom	e23.31	23.80	23.44	22.51	21.69	20.52	19.56	18.71	18.10	18.32	19.83	20.07
1967												
5	20.27	20.16	19.75	20.47	20.15	20.27	20.18	19.82	19.78	19.31	19.44	20.26
10	20.27	20.09	19.72	20.45	20.15	20.27	20.15	19.84	19.74	19.34	19.51	20.27
15	20.26	20.00	19.88	20.43	20.15	20.22	20.04	19.96	e19.5	19.37	19.56	20.54
20	20.22	19.94	19.97	20.36	20.14	20.22	19.97	19.95	19.49	19.34	19.61	20.78
25	20.23	19.85	20.22	20.37	20.17	20.17	20.07	19.86	19.47	19.36	19.86	21.10
Eom	20.19	19.81	20.48	20.32	20.23	20.03	19.94	19.78	19.38	19.39	20.07	21.38
1968												
5	21.60	22.72	23.05	22.21	22.33	21.90	21.24	20.47	19.89	19.70	19.54	19.93
10	21.84	22.85	22.87	22.21	22.27	21.80	21.16	20.33	19.79	19.86	19.45	20.19
15	21.96	22.99	22.69	22.30	22.31	21.66	21.05	20.21	19.68	19.83	19.39	20.39
20	22.11	23.06	22.73	22.27	22.25	21.60	20.83	20.12	19.56	19.79	19.49	20.62
25	22.36	23.15	22.49	22.43	22.11	21.46	20.68	19.99	19.41	19.70	19.35	20.89
Eom	22.53	23.10	22.34	22.43	22.02	21.28	20.53	19.86	19.37	19.62	19.56	21.17
1969												
5	21.62	22.81	23.07	22.39	21.69	21.50	21.27	20.71	20.13	19.70	19.28	20.28
10	22.12	22.71	23.12	22.22	21.67	21.49	21.28	20.55	20.05	19.58	19.35	20.21
15	22.49	22.59	23.15	22.11	21.66	21.44	21.17	20.40	19.94	19.59	19.58	20.08
20	22.75	22.79	23.10	22.00	21.66	21.32	21.08	20.35	19.79	19.51	20.01	19.89
25	22.86	22.94	22.87	21.88	21.68	21.27	20.93	20.32	19.80	19.45	20.29	19.89
Eom	22.82	23.01	22.54	21.77	21.56	21.25	20.83	20.16	19.76	19.34	20.44	20.27
1970												
5	20.52	20.45	19.34	e18.4	17.92	17.31	e16.8	16.50	16.10	16.15	16.13	17.43
10	20.49	20.15	19.17	e18.3	17.80	17.20	16.65	16.46	e16.1	16.18	16.23	17.63
15	20.61	20.07	18.98	e18.2	17.78	17.13	16.61	16.38	e16.0	16.18	16.36	17.67
20	20.77	19.84	18.82	e18.1	e17.6	e16.9	16.58	16.31	16.08	16.20	16.50	17.55
25	20.64	19.68	e18.6	e18.0	17.5	e16.9	16.56	16.24	15.98	16.23	16.72	17.57
Eom	20.52	19.51	e18.5	e18.0	17.43	e16.8	16.63	16.20	15.95	16.17	17.08	17.90
e Estimated.												

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. Lsd not available. MP top of casing, 81.82 ft above msl. Highest water level 27.45 above msl, Feb. 27, Mar. 7, Mar. 21, 1966; lowest 19.77 above msl, Aug. 19, Aug. 20, Aug. 21, 1970. Records available: 1959-70. Records furnished by Honolulu Board of Water Supply.

212015N1575215--Continued.

Mean water level for the day, above msl, from recorder graph, 1966												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	26.50	26.90	27.36	27.09	26.27	25.54	24.31	23.00	22.78	22.39	23.35	24.54
10	26.59	27.14	27.35	27.07	26.18	25.10	24.17	22.86	22.70	22.61	23.61	24.63
15	26.57	27.15	27.43	26.83	26.04	25.00	23.78	22.90	22.62	22.83	23.85	24.68
20	26.66	27.27	27.35	26.93	25.68	24.89	23.56	22.62	22.66	22.95	24.05	24.76
25	26.82	27.28	27.19	26.67	25.67	24.61	23.61	22.57	22.57	23.09	24.15	24.78
Eom	26.91	27.41	27.11	26.40	25.69	24.33	23.34	22.61	22.45	23.13	24.33	24.98
1967												
5	25.13	25.07	24.93	25.25	24.47	24.29	23.51	22.85	23.41	23.35	23.78	24.20
10	25.10	24.77	24.90	25.35	24.45	24.14	23.51	23.05	23.46	23.46	23.70	24.48
15	25.20	24.95	24.93	25.26	24.45	23.98	23.22	23.02	23.36	23.56	23.71	24.68
20	25.14	25.01	24.93	24.95	24.45	23.80	23.14	23.14	23.48	23.47	23.82	24.92
25	25.13	24.88	25.14	25.00	24.27	23.72	23.13	23.02	23.55	23.57	24.07	25.12
Eom	25.12	24.95	25.10	24.97	24.33	23.46	23.15	23.10	23.45	23.62	24.12	25.42
1968												
5	25.59	26.45	27.09	27.20	26.75	26.00	e24.6	23.39	23.15	23.51	23.54	23.70
10	25.79	26.64	27.06	27.22	26.46	25.85	24.30	23.14	23.28	23.51	23.62	23.88
15	25.85	26.89	27.12	27.02	26.49	25.49	24.03	23.13	23.36	23.53	23.29	24.05
20	25.99	26.92	27.24	26.90	26.44	25.26	23.68	e23.1	23.11	23.71	23.42	24.29
25	26.15	27.17	27.23	26.79	26.21	e25.1	23.52	23.12	23.20	23.54	23.49	24.58
Eom	26.30	27.13	27.27	26.78	26.01	e24.8	23.32	23.05	23.37	23.49	23.66	24.73
1969												
5	25.19	26.04	26.57	26.44	26.04	25.12	24.28	23.65	23.49	23.59	23.36	24.40
10	25.38	26.30	26.64	26.24	25.83	25.05	24.17	23.46	23.51	23.53	23.55	24.53
15	25.57	26.18	26.59	26.21	25.69	24.98	24.15	23.34	23.50	23.59	23.59	24.60
20	25.78	26.33	26.66	26.23	25.69	24.59	24.01	23.37	23.42	23.57	23.82	24.57
25	25.79	26.50	26.60	26.05	25.49	24.48	23.86	23.40	23.52	23.50	24.07	24.59
Eom	26.02	26.46	26.55	25.96	25.33	24.45	23.76	23.52	23.61	23.41	24.28	24.78
1970												
5	24.98	25.06	24.33	23.14	22.37	21.39	20.52	19.89	19.87	20.14	20.84	21.88
10	24.99	24.95	24.18	22.81	22.31	21.15	20.26	19.95	19.99	20.32	20.80	22.14
15	25.07	24.86	23.93	22.76	22.03	21.04	20.17	19.79	19.93	20.33	20.85	22.35
20	25.16	24.75	23.60	22.70	21.84	20.73	20.15	19.77	20.08	20.38	20.94	22.57
25	25.23	24.72	23.49	22.53	21.74	20.62	19.97	19.83	20.02	20.55	21.21	22.74
Eom	25.13	24.57	23.27	22.49	21.63	20.59	19.98	19.92	19.97	20.71	21.50	22.96

e Estimated..

212333N1575657. Local number T-75. Honolulu Board of Water Supply. Waimalu. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) age, diam 6 in, depth 250 ft, cased to 75. Lsd not available. MP top of casing, 27.35 ft above msl. Highest water level 22.03 above msl, Mar. 6, 1966; lowest 15.43 above msl, Oct. 17, 1962. Records available: 1959-69. Measurement discontinued in 1969. Recording gage removed Oct. 22, 1969, by Honolulu Board of Water Supply. Well sealed on Mar. 12, 1971 by Roscoe Moss Co. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1966												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	21.38	21.29	21.95	20.93	20.09	19.38	18.58	17.51	17.24	16.37	17.03	18.48
10	21.35	21.68	21.72	20.96	20.01	19.12	18.31	17.38	16.94	16.69	17.72	18.46
15	e21.3	21.81	21.56	20.70	19.97	19.01	18.03	17.28	16.73	17.01	18.11	18.33
20	21.29	21.88	21.65	20.58	19.72	18.84	17.89	17.18	16.64	17.09	18.28	18.36
25	21.34	21.59	21.24	20.47	19.62	18.69	17.86	17.04	16.55	16.92	18.36	18.48
Eom	e21.30	21.80	21.13	20.27	19.45	18.45	17.78	16.92	16.51	16.87	18.40	18.69
1967												
5	18.84	18.63	18.10	18.74	18.27	18.41	18.26	17.94	17.95	17.46	17.74	18.63
10	18.80	18.52	18.03	18.71	18.27	18.43	18.24	17.94	17.87	17.53	17.72	18.71
15	18.84	18.31	18.19	18.70	18.27	18.24	18.18	18.08	17.63	17.68	17.75	19.00
20	18.72	18.27	18.30	18.50	18.34	18.24	17.99	18.11	17.55	17.53	17.85	19.25
25	18.72	18.18	18.78	18.52	18.32	18.29	18.19	17.98	17.60	17.58	18.32	19.47
Eom	18.66	18.08	18.84	18.53	18.39	18.08	17.97	17.87	17.57	17.64	18.48	19.70
1968												
5	19.90	20.77	20.83	20.12	20.31	19.72	19.33	18.45	17.95	18.05	17.75	18.49
10	20.06	20.87	20.67	20.11	20.17	19.67	19.04	18.32	17.87	18.14	17.73	18.72
15	20.14	20.92	20.41	20.26	20.17	19.55	18.95	18.21	17.78	18.04	17.78	18.91
20	20.35	20.97	20.59	20.35	20.16	19.45	18.72	18.16	17.67	18.13	17.64	19.22
25	e20.5	21.02	20.55	20.49	19.99	19.34	18.52	18.07	17.44	17.87	17.66	19.48
Eom	20.64	20.93	20.37	20.38	19.86	19.18	18.41	17.96	17.46	17.81	18.09	19.68
1969												
5	20.34	21.02	21.25	20.36	19.54	.....	.....	.....	.....	.....	.....	.....
10	20.78	21.03	21.31	20.13	19.50	.....	.....	.....	.....	.....	.....	.....
15	21.04	20.89	21.29	20.04	19.46	.....	.....	.....	.....	.....	.....	.....
20	21.20	21.04	21.11	19.97	19.45	.....	.....	.....	.....	17.45	.....	.....
25	21.21	21.20	20.86	19.77	19.51	.....	.....	.....	.....	.....	.....	.....
Eom	21.05	21.22	20.56	19.66	.....	.....	.....	.....	.....	.....	.....	.....

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. Lsd not available. MP top of pump-chamber floor at recorder, 287.00 ft above msl. Highest water level 284.40 above msl, May 12, 1969; lowest 273.17 above msl, Mar. 11, 1946. Records available: 1936-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1966	279.88	Mar. 18, 1967	279.70	Jan. 26, 1968	281.29	Dec. 7, 1968	281.30
16	280.24	19	279.74	27	281.36	11	281.18
28	280.40	21	279.79	28	281.36	15	281.20
31	280.48	23	279.96	30	281.31	16	281.18
Feb. 6	280.78	25	279.81	31	281.26	17	281.26
20	281.18	26	279.85	Feb. 2	281.23	21	281.04
22	281.27	28	279.89	5	281.34	22	281.01
26	281.22	30	279.68	7	281.30	25	281.07
Mar. 6	281.60	Apr. 1	279.92	9	281.36	28	281.01
10	281.72	2	280.00	10	281.40	29	280.98
13	281.74	3	280.01	11	281.40	Jan. 2, 1969	281.05
15	281.83	4	280.04	12	281.40	5	281.12
29	282.06	5	280.04	13	281.42	8	280.92
Apr. 5	282.26	9	280.24	14	281.42	12	281.01
13	282.32	14	280.24	15	281.51	19	280.98
14	282.30	16	280.28	16	281.54	21	280.65
20	282.46	23	280.30	17	281.50	23	280.99
21	282.44	June 2	281.10	18	281.36	26	281.04
24	282.38	4	281.06	19	281.40	Feb. 2	281.06
May 1	282.44	July 1	281.49	20	281.42	4	281.08
10	282.42	23	281.70	21	281.43	6	281.06
22	282.36	Aug. 1	281.76	22	281.41	8	281.16
June 3	281.62	5	281.82	24	281.52	10	281.12
July 1	281.84	6	281.82	25	281.58	16	281.24
17	281.83	18	281.90	27	281.53	22	281.28
25	281.51	Sept. 3	282.13	29	281.54	24	281.42
26	281.49	Oct. 1	282.18	Mar. 2	281.46	Mar. 17	281.99
Aug. 2	281.36	Nov. 1	281.84	3	281.31	27	282.16
25	281.09	12	281.75	4	281.37	31	282.48
Sept. 1	281.08	24	281.58	6	281.42	Apr. 8	282.73
4	280.94	26	281.55	10	281.39	20	283.10
7	280.97	30	281.43	13	281.41	May 12	284.40
Jan. 1, 1967	279.48	Dec. 3	281.40	13	281.39	June 3	284.30
2	279.52	7	281.39	15	281.46	18	283.79
4	279.42	8	281.40	16	281.44	July 2	284.04
6	279.51	9	281.43	18	281.36	19	283.94
8	279.49	10	281.48	23	281.49	Aug. 2	283.96
10	279.51	12	281.37	24	281.46	Sept. 29	282.17
12	279.52	13	281.32	28	281.56	Oct. 2	282.84
14	279.46	15	281.40	30	281.55	11	282.68
15	279.50	16	281.40	31	281.66	12	282.66
16	279.28	18	281.30	Apr. 3	281.60	Nov. 1	282.36
17	279.32	20	281.32	5	281.66	15	282.06
18	279.34	22	281.28	10	282.13	16	281.96
20	279.38	23	281.28	11	282.16	26	281.24
21	279.38	24	281.26	13	281.84	28	281.76
25	279.47	26	281.28	15	281.96	Dec. 4	281.61
26	279.39	27	281.24	17	282.05	10	281.52
28	279.42	29	281.25	19	282.14	14	281.44
29	279.46	30	281.22	20	282.18	16	281.42
30	279.42	31	281.26	21	282.22	25	281.18
Feb. 1	279.42	Jan. 1, 1968	281.18	24	282.23	Jan. 1, 1970	281.18
3	279.41	2	281.14	25	282.24	11	281.16
4	279.44	3	281.14	26	282.32	14	280.89
7	279.43	4	281.19	27	282.34	24	280.76
10	279.45	5	281.19	May 10	282.74	Feb. 3	280.44
11	279.42	6	281.19	11	282.78	Mar. 1	280.08
12	279.46	7	281.17	12	282.76	May 1	278.88
13	279.46	8	281.17	June 13	283.17	30	278.38
15	279.38	9	281.16	24	283.32	July 1	277.80
16	279.40	10	281.21	July 1	283.24	Aug. 1	277.44
18	279.50	11	281.20	23	283.18	16	277.42
22	279.46	13	281.16	Aug. 29	282.94	Oct. 2	277.18
25	279.54	14	281.10	Sept. 4	282.98	7	277.16
28	279.47	15	281.12	28	282.60	8	277.16
Mar. 2	279.56	16	281.12	Oct. 22	282.36	10	277.18
6	279.60	17	281.12	Nov. 14	281.83	Nov. 1	276.93
8	279.60	18	281.20	24	281.56	16	276.97
10	279.64	20	281.16	29	281.39	17	277.01
11	279.64	21	281.16	Dec. 1	281.46	28	277.00
13	279.62	23	281.16	5	281.48	Dec. 12	276.88
14	279.72	25	281.29	6	281.34	21	276.86

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- Yamanaga, George, and Huxel, C. J., Jr., 1969, Preliminary report on the water resources of the Lahaina District, Maui: State of Hawaii Div. Water and Land Devel. Circ. C51, 47 p.

Note--Measurements were discontinued in 1965 for the following wells:

- Island of Kauai - 220010N1594450. - Local number 35.
Do. - 220045N1594520. - Local number 37.
- Island of Molokai - 210420N1565700. - Local number Shaft 4.
Do. - 210400N1565000. - Local number Shaft 6.
Do. - 210330N1565225. - Local number Dug Well 42.
- Island of Oahu - 213215N1580543. - Local number T-1.
Do. - 213552N1580444. - Local number T-2.

NEVADA

The observation-well program in Nevada was continued during the period 1966 through 1970 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

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local 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 S10/60-4dabl designates the first well recorded in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ 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.

Carson City

(Formerly Ormsby County)

Eagle Valley

390950N1194550.1. Local number 15/20-17c1. State Children's Home. Drilled irrigation, artesian or water-table unknown, 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, 1959-70. Mar. 2, 1966, 6.42; Mar. 7, 1967, 7.02; July 11, 1968, 6.82; Apr. 7, 1969, 5.90; Mar. 9, 1970, 5.90.

Churchill County

Dixie Valley

393920N1180840.1. Local number 21/34-27dcl. Gregory Homestead. Drilled unused, artesian or water-table unknown, 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, 1955-70. Mar. 17, 1966, 29.39; Sept. 12, 29.34; Mar. 20, 1967, 30.05; Mar. 21, 1968, 30.32; May 19, 1969, 30.86; Apr. 14, 1970, 30.86.

393840N1180500.1. Local number 21/35-31dl. C. B. Stark. Drilled stock, artesian or water-table unknown, 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 35.93 below lsd, Mar. 17, 1966. Records available: 1951, 1955-70. Mar. 17, 1966, 35.93; Sept. 12, 33.82; Mar. 20, 1967, 33.93; Mar. 21, 1968, 33.80; May 19, 1969, 34.17; Apr. 14, 1970, 34.36.

Fairview Valley

391620N1181430.1. Local number 16/33-2dcl. C. B. Stark. Drilled stock, artesian or water-table unknown, well in alluvium of Quaternary age, diam 8 in, depth 441 ft, cased. Lsd about 4,160 ft above msl. MP top of casing, 0.54 ft above lsd (since Mar. 20, 1967). Highest water level 216.68 below lsd, Jan. 13, 1955; lowest 224.94 below lsd, Mar. 23, 1964. Records available: 1950, 1955-70. Mar. 17, 1966, 218.33; Sept. 12, 217.70; Mar. 20, 1967, 218.58; Mar. 21, 1968, 218.96; May 19, 1969, 219.63; Apr. 14, 1970, 223.19.

391720N1180340.1. Local number 17/35-32dcl. U.S. Government. Drilled unused, artesian or water-table unknown, 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, 1955-70. Mar. 17, 1966, 54.55; Sept. 12, 54.94; Mar. 20, 1967, 55.07; Mar. 21, 1968, 55.88; May 19, 1969, 55.88, Apr. 14, 1970, 55.62.

Clark County

Indian Spring Valley

363430N1153950.1. Local number S16/56-9bc2. Tim Harnedy. Drilled domestic and irrigation, artesian or water-table unknown, 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 14.10 below lsd, Feb. 15, 1970. Records available: 1946-51, 1955-60, 1963, 1965-67, 1970. No measurement made in 1968-69. Feb. 14, 1966, 8.33; Feb. 18, 1967, 10.19; Feb. 15, 1970, 14.10.

Las Vegas Valley

362750N1152440.1. Local number S17/59-20bcl. U.S. Bureau of Land Management. Drilled stock, artesian or water-table unknown, 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 26.08 below lsd, Feb. 14, 1966; lowest 31.01 below lsd, Sept. 12, 1944. Records available: 1944-67, 1969-70. No measurement made in 1968.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14, 1966	26.08	Dec. 1, 1966	26.27	Aug. 24, 1967	26.68	Mar. 24, 1969	30.07
May 18	26.56	Feb. 68	27.84	Nov. 15	26.41	Feb. 15, 1970	a27.42
Aug. 28	27.48	Mar. 24	27.82				

a Well being pumped.

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 128.35 below lsd, Oct. 6, 7, 9, 10, 1969. Records available: 1944-70.

Water level at noon, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	110.30	110.12	.....	.....	.....	.....	.....	118.49	118.48	119.28	118.70	116.16
10	110.07	110.40	.....	.....	.....	.....	.....	118.74	118.48	118.64	119.36	116.00
15	109.79	110.64	.....	.....	.....	.....	.....	119.04	118.80	118.53	119.10	115.88
20	109.76	110.93	.....	.....	.....	.....	.....	118.22	118.76	118.95	118.51	115.44
25	110.00	.....	.....	.....	.....	.....	.....	117.69	118.48	118.90	117.27	115.22
Eom	109.76	.....	.....	.....	.....	.....	.....	118.31	119.18	119.76	116.70	115.38

1967

5	114.58	114.95	117.50	119.40	120.44	121.50	121.44	122.84	123.45	.....	123.76	.....
10	114.89	115.70	118.92	119.35	119.64	121.55	122.10	122.88	123.54	122.14	123.86	120.10
15	114.76	115.81	118.28	119.54	120.64	121.70	122.15	123.03	123.72	122.16	124.09	120.36
20	114.56	116.66	117.54	120.05	120.95	121.67	122.24	122.69	123.20	122.00	123.03	120.28
25	114.65	117.16	117.06	119.61	120.95	121.47	122.58	123.22	122.50	121.79	122.22	119.56
Eom	114.30	117.40	117.90	119.83	120.71	120.80	122.75	122.93	122.96	122.98	.....	119.17

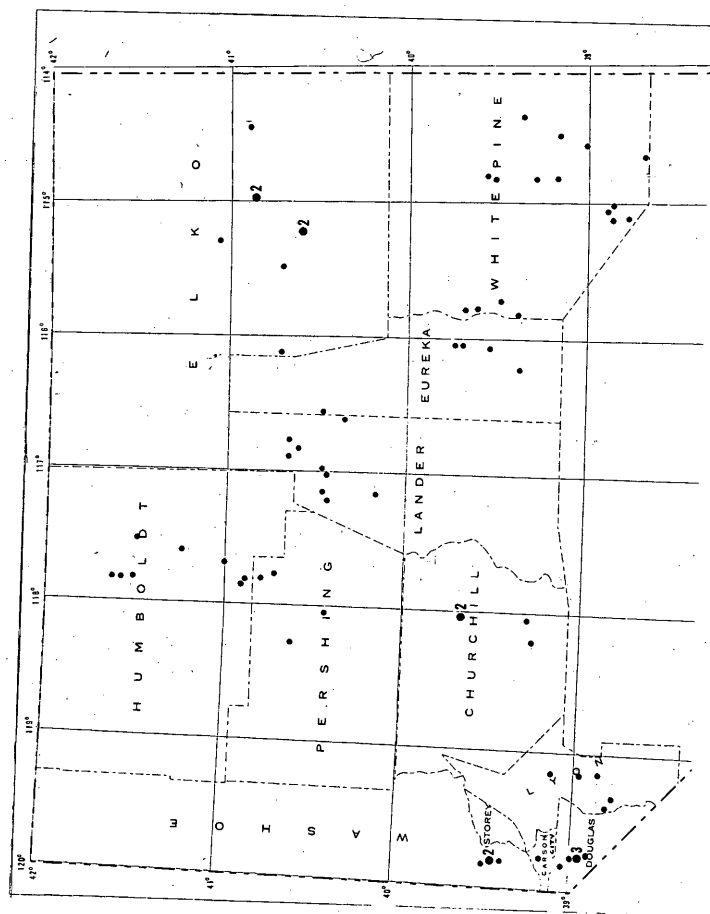
1968

5	118.99	119.13	120.19	121.32	121.84	123.44	124.52	124.90	125.46	125.64	125.39	123.40
10	118.59	118.96	120.40	121.47	122.90	124.07	124.75	124.50	125.43	125.40	125.20	122.45
15	118.86	118.86	120.85	121.50	122.38	123.64	124.75	125.09	125.60	124.46	124.87	122.43
20	119.46	118.72	120.99	121.62	123.26	124.18	124.34	125.26	125.39	124.36	124.92	121.47
25	118.78	119.86	120.97	121.78	123.54	124.53	123.96	125.07	125.68	124.80	124.44	120.87
Eom	119.14	119.88	121.28	121.88	123.89	124.36	124.93	124.98	124.90	124.88	123.92	120.78

1969

5	120.30	119.59	118.77	122.30	123.20	125.96	126.80	127.48	127.66	128.18	125.06	.....
10	120.96	119.31	119.98	123.02	123.80	126.16	127.13	128.00	127.79	128.30	126.43	126.47
15	121.96	119.03	119.20	123.20	124.40	125.00	127.27	.....	128.10	125.80	125.64	124.35
20	120.28	119.80	119.43	122.86	124.61	.....	127.16	.....	126.31	125.48	125.42	123.76
25	120.54	118.95	120.34	123.52	123.60	126.46	127.60	127.70	127.22	125.10	125.99	.....
Eom	120.00	118.82	120.55	122.94	125.30	126.44	127.47	127.84	127.95	126.04	124.96	123.68

GROUND-WATER LEVELS, 1966-70, SOUTHWESTERN STATES



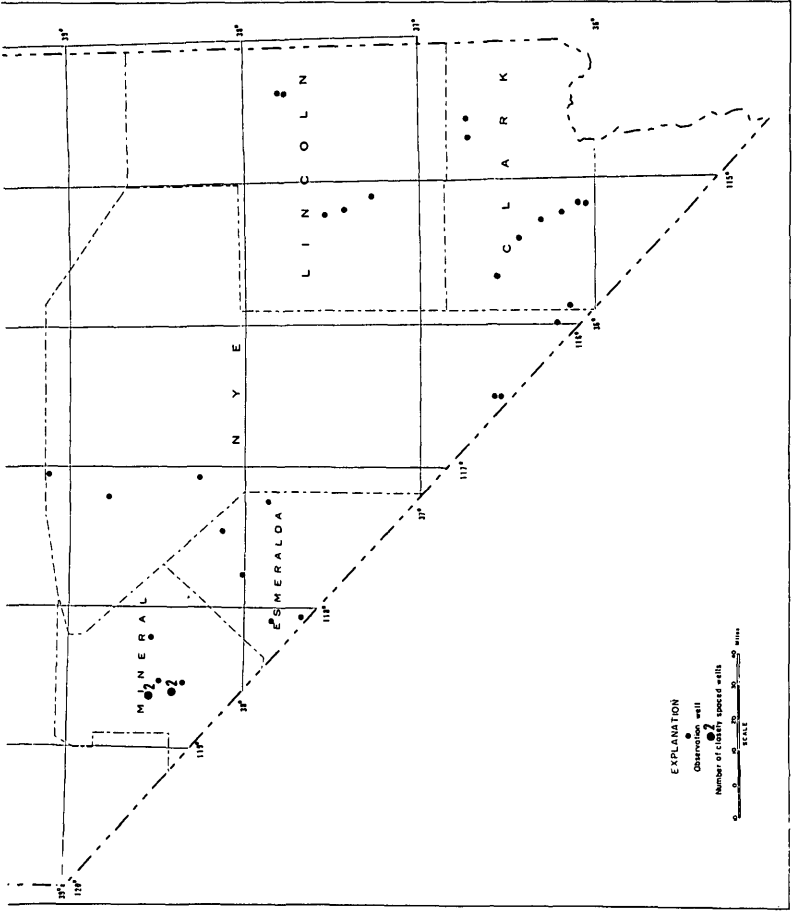


Figure 5.--Location of observation wells in Nevada, 1966-70.

361840N1151640.1--Continued.

1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	123.70	123.76	121.72	123.60	124.25	122.97	125.80	126.81	125.75	125.30	122.50	119.60
10	.....	123.72	123.20	124.20	122.88	124.06	126.49	126.42	125.65	125.76	122.88	119.00
15	123.32	122.84	122.74	123.74	123.58	124.70	126.26	126.86	126.16	125.98	122.30	118.10
20	123.04	123.10	123.72	124.13	124.17	.....	126.68	126.48	125.54	125.62	121.27	118.32
25	123.05	123.46	.....	124.25	124.37	125.74	126.66	126.14	126.32	124.20	.....	.....
Eom	123.50	123.02	123.70	123.60	.....	126.35	126.82	126.60	125.19	122.10	119.70	117.15

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 2,038.76 ft above msl. MP hole in casing, 1.46 ft above lsd (since Aug. 29, 1966). Highest water level 46.7 above lsd, Feb. 8, 1950; lowest 69.94 below lsd, Aug. 24, 1970. Records available: 1944-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1966	6.87	May 23, 1967	30.05	Mar. 25, 1969	28.74	Feb. 18, 1970	29.15
May 18	20.09	Aug. 21	46.47	May 6	42.36	May 13	40.50
Aug. 29	37.71	Nov. 16	37.03	Aug. 12	57.69	Aug. 24	69.94
Dec. 1	26.27	Aug. 26, 1968	50.12	Nov. 3	46.17	Nov. 16	52.87
Feb. 17, 1967	19.98	Nov. 1	43.54				

360600N1150910.1. Local number S21/61-22cccc1. 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 4-in plug in casing, 1.00 ft above lsd (since Aug. 17, 1965), previously published MP 1/8-in plug in casing, 2.00 ft above lsd (since Aug. 17, 1965) in error. Highest water level 35.65 above lsd, Dec. 20, 1942, Jan. 24, 1943; lowest 68.60 below lsd, May 13, 1970. Records available: 1940-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1966	30.19	Feb. 17, 1967	30.28	Mar. 24, 1969	52.22	Feb. 18, 1970	43.20
May 18	27.18	Nov. 16	36.37	May 6	62.90	May 13	68.60
Aug. 30	25.90	Aug. 26, 1968	45.10	Aug. 4	64.12	Aug. 24	57.86
Dec. 1	30.75	Nov. 1	e45.66	Nov. 3	66.50	Nov. 16	62.06

e Estimated.

360350N1151020.1. Local number S22/61-4bbcc1. Fitzpatrick (State Engineer No. 41). Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 8 in, depth 355 ft, cased. Lsd 2,224.91 ft above msl. MP top of casing, 0.80 ft above lsd (since Oct. 5, 1968). Highest water level 74.4 below lsd, Jan. 25, 1939; lowest 135.12 below lsd, July 25, 1970. Records available: 1938-70.

Water level at noon, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	114.70	115.53	117.39	119.60	120.74	121.72	121.50	122.86	121.72	121.13	119.84
10	.....	114.74	115.60	117.42	119.14	120.54	121.84	121.90	123.36	121.84	120.86	119.88
15	.....	114.80	116.02	118.00	119.30	120.74	122.48	122.62	123.00	121.51	120.74	119.71
20	.....	115.28	116.02	118.14	119.70	120.68	122.37	122.68	121.92	121.29	120.80	119.66
25	114.54	115.12	116.34	118.36	120.20	121.20	122.34	123.14	122.44	121.50	120.64	119.90
Eom	114.49	115.20	117.68	118.86	120.16	121.60	122.14	123.00	122.16	121.29	120.36	119.66

1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	119.32	119.41	120.22	121.29	122.94	124.74	126.56	127.48	127.12	126.23	126.49	124.60
10	119.52	119.64	120.46	121.97	123.32	125.40	126.74	126.92	126.87	126.48	125.87	124.40
15	119.60	119.76	121.08	121.87	123.98	125.50	126.88	126.57	126.87	126.79	125.90	124.10
20	119.59	120.30	121.14	122.10	124.46	125.29	127.03	127.55	126.68	126.52	125.98	124.11
25	119.20	120.23	121.31	122.38	124.80	125.30	127.40	127.50	126.60	126.30	125.74	123.70
Eom	119.29	120.04	121.16	122.58	124.68	126.04	127.39	127.57	126.45	126.47	124.61	123.80

1968

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	124.00	124.80	125.18	126.93	128.86	130.39	.....	.....	.....	129.28	127.89	127.00
10	123.86	124.66	125.39	.....	129.87	130.00	133.73	.....	.....	.....	127.95	126.82
15	123.74	124.14	125.48	127.70	129.40	131.10	.....	.....	.....	128.55	127.48	126.70
20	124.14	124.21	125.66	127.93	129.24	131.64	.....	.....	.....	128.91	127.54	126.40
25	124.08	124.98	126.53	128.11	129.88	132.26	.....	.....	.....	128.77	127.20	126.06
Eom	124.20	124.82	127.08	128.62	130.04	132.20	.....	.....	.....	.....	127.08	126.14

1969

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	126.06	125.01	125.71	126.42	128.29	130.42	131.58	132.74	133.39	131.73	129.96	129.00
10	125.92	125.10	125.89	127.00	127.42	130.34	131.98	132.84	133.22	131.31	129.82	128.62
15	125.90	125.16	125.78	127.00	128.05	130.74	132.42	132.60	132.48	130.85	129.60	128.42
20	125.53	125.93	125.93	127.62	128.86	130.60	132.31	133.00	132.48	130.60	129.40	128.48
25	125.40	125.83	126.40	127.41	129.24	130.75	133.21	132.74	132.12	130.50	129.14	128.00
Eom	125.31	125.74	126.39	127.84	130.16	131.04	132.58	133.53	132.01	130.56	129.13	.....

1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	128.16	127.86	127.60	129.07	130.12	.....	133.64	132.92	133.10	132.81	131.65	130.70
10	127.90	127.94	127.47	129.57	130.75	.....	133.51	133.30	133.19	132.46	131.27	130.20
15	127.83	127.94	127.85	129.60	131.50	.....	134.03	133.02	133.38	132.72	131.60	129.99
20	127.92	127.86	128.22	129.63	131.29	.....	133.98	132.88	133.30	132.65	.....	129.48
25	127.87	127.73	128.80	129.02	.....	133.20	133.91	133.29	133.68	131.91	130.70	129.28
Eom	127.90	128.05	128.86	130.04	133.30	133.45	133.26	132.65	133.54	131.54	130.41	129.00

Muddy River Valley

364210N1144050.1. Local number S14/65-23ac2. V. V. Perkins. Drilled unused, artesian or water-table unknown, 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, 1963-70. Feb. 16, 1966, -0.66; Feb. 22, 1967, -0.58; Feb. 2, 1968, +0.01; Mar. 22, 1969, +0.70; Jan. 7, 1970, -2.58.

364000N1143400.1 (revised). Local number S14/66-35ddl. L. J. McCormick. Drilled irrigation, artesian or water-table unknown, 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 46.77 below lsd, Aug. 29, 1966. Records available: 1948, 1950-54, 1957-60, 1963-67. Measurement discontinued January 1968. Feb. 16, 1966, 15.78; Aug. 29, 46.77; Feb. 22, 1967, 25.73; Aug. 23, 23.38.

Pahrump Valley

(See also Nye County)

360840N1155300.1. Local number S21/54-10aac1. Bowman (State Engineer No. 22). Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 14 in, depth 800 ft, cased to 472, perforated 100-450. Lsd 2,885.68 ft above msl. MP top of casing, 0.30 ft above lsd. Highest water level 25.99 below lsd, Jan. 5, 1945; lowest 96.12 below lsd, Aug. 28, 1969. Records available: 1944-58, 1961-70. Measurement discontinued.

Water level at noon, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	71.40	70.20	72.40	79.70	78.30	81.50	81.75	84.10	85.00	82.45	77.90	75.40
10	71.04	70.04	74.70	80.30	79.00	81.85	81.70	83.60	84.30	81.13	77.55	....
15	71.25	69.95	76.30	79.95	77.00	81.65	83.30	83.35	83.40	80.95	77.00	....
20	70.71	71.05	76.95	79.35	78.20	80.26	82.40	84.45	82.50	79.80	76.60	....
25	70.70	72.70	78.45	79.10	80.10	81.55	83.50	84.80	82.65	79.63	76.45	....
Eom	70.50	71.95	78.85	76.45	81.65	81.55	83.70	84.35	82.40	78.10	76.93	....

1967

5	74.40	76.30	79.15	84.50	79.65	83.77	86.65	87.15	84.86	87.21	84.95	79.70
10	74.46	76.25	80.80	84.75	80.90	84.51	85.90	87.30	88.21	88.28	83.65	79.32
15	75.60	76.30	81.75	83.08	81.60	84.00	85.45	87.45	88.00	87.22	82.30	78.97
20	75.60	77.95	81.80	81.75	83.18	84.50	86.25	84.92	87.90	87.57	81.67	78.80
25	75.67	78.20	83.30	81.95	85.05	85.70	86.75	86.13	86.75	84.72	80.70	78.15
Eom	74.40	78.88	83.45	81.70	84.57	85.85	86.00	87.45	87.55	84.50	80.05	77.85

1968

5	77.60	79.55	84.05	88.57	85.95	88.83	91.40	91.10	92.29	92.60	91.51	86.85
10	77.40	80.32	84.45	89.05	87.20	86.95	89.10	90.55	91.20	92.75	89.95	85.85
15	78.60	81.85	86.35	87.65	87.75	89.75	91.15	90.65	92.00	92.40	90.25	85.40
20	80.20	81.80	86.32	87.13	88.50	90.65	91.70	91.83	91.85	91.80	89.90	84.35
25	80.20	82.46	87.40	85.35	88.04	91.10	91.87	92.45	92.10	92.35	88.95	84.60
Eom	79.85	82.75	87.27	....	88.55	90.90	90.05	92.45	92.45	92.20	87.45	....

1969

5	....	....	....	88.70	....	....	93.60	95.50	95.80	95.40	91.90	90.70
10	85.85	85.30	....	....	....	....	94.28	93.95	95.80	94.85	91.70	90.95
15	87.15	85.50	85.45	88.89	91.22	93.00	94.80	95.70	95.45	94.45	91.21	90.80
20	87.25	....	85.85	....	92.20	93.22	94.45	96.09	94.80	94.22	91.85	91.05
25	85.60	....	87.15	....	....	93.45	95.20	95.70	94.35	93.75	91.45	89.87
Eom	86.70	....	89.20	....	....	93.05	95.35	95.85	93.90	92.39	90.88	89.07

1970

5	89.60	91.05	....	....	....	....	....	....	....	....	....	....
10	89.60	90.00	....	....	....	....	....	....	....	....	....	....
15	90.80	90.42	....	....	....	....	....	....	....	....	....	....
20	91.28	....	....	....	....	....	....	....	....	....	....	....
25	90.45	....	....	....	....	....	....	....	....	....	....	....
Eom	91.20	....	....	....	....	....	....	....	....	....	....	....

Douglas County

Carson Valley

385430N1194550.1. Local number 12/20-17bal. John Helwink, 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 8.82 below lsd, July 9, 1949; lowest 20.19 below lsd, Mar. 22, 1960. Records available: 1948-56, 1959-70. Mar. 2, 1966, 18.80; Sept. 26, 20.00; Mar. 7, 1967, 19.50; July 11, 10.16; Mar. 21, 1968, 19.20; Apr. 4, 1969, 18.25; Mar. 9, 1970, 18.70.

390010N1194540.1. Local number 13/20-8cal. C. W. Godecke. Drilled stock and irrigation, artesian or water-table unknown, 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, 1954-69. No measurement made in 1970. Mar. 2, 1966, 1.48; Sept. 26 (well being pumped); Mar. 7, 1967, 2.30; July 11, 1.05; Mar. 21, 1968, 0.80; Apr. 4, 1969, 0.58.

385800N1194510.1. Local number 13/20-29aabl. 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, casing information not available. 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: 1948-67. Measurement discontinued January 1968. Mar. 2, 1966, 1.31; Sept. 26 (well being pumped); Mar. 7, 1967, 1.35; July 11, 0.20.

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 2.08 below lsd, July 11, 1967; lowest 7.52 below lsd, Aug. 15, 1950. Records available: 1950-67. Measurement discontinued January 1968. Mar. 2, 1966, 3.28; Sept. 26, 5.40; Mar. 7, 1967, 3.50; July 11, 2.08.

385630N1194520.1. Local number 13/20-32dcl. Mack Land & Cattle Co. Drilled irrigation water-table well in alluvium of Quaternary age, diam 18 in, reported depth 420 ft, casing information not available. Lsd about 4,733 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 7.22 below lsd, July 11, 1967; lowest 14.17 below lsd, Aug. 26, 1960. Records available: 1948-62, 1964-70. Mar. 2, 1966, 10.25; Mar. 7, 1967, 10.60; July 11, 7.22; Mar. 21, 1968, 10.44; Apr. 4, 1969, 10.48; Mar. 9, 1970, 9.90.

390230N1194800.1. Local number 14/19-25bal. 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 8.60 below lsd, Mar. 9, 1970; lowest 23.00 below lsd, Oct. 12, 1961. Records available: 1946, 1948-70. Mar. 2, 1966, 11.79; Sept. 26, 19.69; Mar. 7, 1967, 14.10; July 11, 9.74; Mar. 21, 1968, 10.44; Apr. 4, 1969, 13.85; Mar. 9, 1970, 8.60.

Elko County

Clover Valley

405310N1145740.1. Local number 35/62-27b1. U.S. Geol. Survey. Drilled test and observation, artesian or water-table unknown, 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: 1949-66, 1968-70. No measurement made in 1967. Sept. 17, 1966, 8.61; Mar. 28, 1968, 8.85; Apr. 29, 1969, 9.63; Mar. 31, 1970, 8.97.

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: 1949-66. No measurement made in 1967. Measurement discontinued January 1968. Sept. 17, 1966, 7.49.

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, 1963-66, 1968-70. No measurement made in 1967. Sept. 17, 1966, 29.90; Mar. 28, 1968, 29.10; Apr. 29, 1969, 28.84; Mar. 27, 1970, 29.18.

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: 1938-66, 1968-70. No measurement made in 1967. Sept. 28, 1966, 7.90; Mar. 18, 1968, 7.52; Apr. 28, 1969, 5.49; Mar. 24, 1970, 7.14.

410400N1151640.1. Local number 37/59-26a1. 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 2.02 below lsd, Apr. 28, 1969; lowest 10.8 below lsd, Mar. 30, Sept. 28, 1955. Records available: 1938-66, 1968-70. No measurement made in 1967. Sept. 17, 1966, 9.50; Mar. 27, 1968, 7.66; Apr. 28, 1969, 2.02; Mar. 27, 1970, 4.54.

Lamoille Valley

404350N1152810.1. Local number 33/58-19ad1. H. Conrad. Known as Lamoille 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: 1934-66, 1968-70. No measurement made in 1967. Sept. 27, 1966, 10.49; Mar. 26, 1968, 12.03; Apr. 27, 1969, 10.03; Mar. 17, 1970, 12.05.

Ruby Valley

403730N1151340.1. Local number 32/60-29c1. U.S. Geol. Survey. Drilled test and observation, artesian or water-table unknown, 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: 1949-66. No measurement made in 1967. Measurement discontinued January 1968. Sept. 17, 1966, 3.95.

403730N1151340.2. Local number 32/60-29c2. U.S. Geol. Survey. Driven observation water-table well in alluvium of Quaternary age, diam 1 1/2 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 1.35 below lsd, Mar. 31, 1970; lowest 7.48 below lsd, Sept. 21, 1961. Records available: 1949-66, 1968-70. No measurement made in 1967. Sept. 17, 1966, 6.49; Mar. 27, 1968, 1.92; Apr. 29, 1969, 3.24; Mar. 31, 1970, 1.35.

Esmeralda County

Alkali Flat

380020N1174620.1. Local number 2/38-20dcl. Goldfield and Tonopah RR. Dug unused, artesian or water-table unknown, well in alluvium of Quaternary age, size 4 x 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, 1962-66. No measurement made in 1967-70. Mar. 22, 1966, 102.66; Sept. 20, 103.92.

Big Smoky Valley

(Formerly Tonopah and Vicinity)

(See also Nye County)

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, 1963-66, 1969-70. No measurement made in 1967-68. Mar. 22, 1966, 39.58; Sept. 20, 39.39; Mar. 20, 1969, 39.47, Feb. 14, 1970, 39.20.

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 33.90 below lsd, Sept. 20, 1966. Records available: 1945-56, 1958-59, 1962-66, 1969-70. No measurement made in 1967-68. Sept. 20, 1966, 33.90; Mar. 19, 1969, 33.11; Feb. 14, 1970, 29.28.

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 53.10 below lsd, Sept. 20, 1966. Records available: 1950-57, 1959, 1962-66. No measurement made in 1967. Measurement discontinued January 1968. Sept. 20, 1966, 53.10.

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 53.71 below lsd, Sept. 20, 1966. Records available: 1945, 1947-59, 1962-66, 1969-70. No measurement made in 1967-68. Sept. 20, 1966, 53.71; Mar. 19, 1969, 47.90; Feb. 14, 1970, 44.86.

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 93.69 below lsd, Mar. 16, 1966; lowest 95.36 below lsd, Apr. 22, 1970. Records available: 1949-53, 1955, 1959, 1961-70. Mar. 16, 1966, 93.69; Sept. 15, 94.74; Mar. 23, 1967, 94.83; Mar. 19, 1968, 94.43; Apr. 22, 1969, 95.10; Apr. 22, 1970, 95.36.

Crescent Valley

(See also Lander County)

402020N1163300.2. Local number 29/48-34e2. Dan Filippini. Drilled unused, artesian or water-table unknown, 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, 1962-66. No measurement made in 1967. Measurement discontinued January 1968. Sept. 28, 1966, 4.44.

Diamond Valley

393310N1160200.1. Local number 20/53-31d1. A. C. Florio. Drilled stock, artesian or water-table unknown, 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. Highest water level 155.46 below lsd, Sept. 6, 1957; lowest 165.90 below lsd, Sept. 13, 1949. Records available: 1947-61, 1963-70. Apr. 4, 1966, 161.11; Sept. 15, 163.85; Mar. 22, 1967, 162.92; Mar. 19, 1968, 162.88; Apr. 22, 1969, 164.00; Apr. 22, 1970, 165.36.

394250N1160200.1. Local number 21/53-5cb1. 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. Highest water level 27.61 below lsd, Dec. 18, 1959; lowest 38.80 below lsd, Apr. 22, 1970. Records available: 1947-56, 1959, 1961-70. Apr. 6, 1966, 34.51; Sept. 15, 35.91; Mar. 23, 1967, 35.97; Mar. 20, 1968, 37.06; Apr. 22, 1969, 38.42; Apr. 22, 1970, 38.80.

394520N1155240.1. Local number 22/54-27ca1. Robert Stucki. Drilled domestic and irrigation, artesian or water-table unknown, 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 26.73 below lsd, Sept. 15, 1966. Records available: 1949-55, 1957, 1959, 1961-70. Apr. 7, 1966, 15.52; Sept. 15, 26.73; Mar. 23, 1967, 19.69; Mar. 20, 1968, 21.00; Apr. 22, 1969, 21.26; Apr. 22, 1970, 21.41.

Humboldt County

Grass Valley

(See also Pershing County)

405130N1174800.1. 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: 1946-70. Mar. 17, 1966, 23.34; Sept. 20, 25.20; Mar. 31, 1967, 27.85; Mar. 20, 1968, 24.64; Apr. 24, 1969, 22.96; Mar. 25, 1970, 22.13.

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, 1963-70. Mar. 17, 1966, 58.39; Sept. 19, 69.00; Mar. 30, 1967, 67.70; Mar. 20, 1968, 67.85; Apr. 22, 1969, 57.44; Mar. 25, 1970, 62.30.

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 4-in hole in pumpbase, 0.30 ft above lsd. Highest water level 14.11 below lsd, Apr. 25, 1969; lowest 21.53 below lsd, Oct. 29, 1951. Records available: 1947-59, 1963-70. Mar. 17, 1966, 17.88; Mar. 30, 1967, 18.97; Mar. 20, 1968, 18.56; Apr. 25, 1969, 14.11; Mar. 25, 1970, 17.32.

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: 1947-70. Mar. 17, 1966, 10.92; Sept. 20, 13.02; Mar. 29, 1967, 10.25; Mar. 21, 1968, 9.42; May 9, 1969, 8.14; Mar. 26, 1970, 8.04.

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, Apr. 25, 1969; lowest 11.03 below lsd, Nov. 16, 1961. Records available: 1945-70.

412910N1173210.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1966	8.31	May 22, 1967	4.80	July 23, 1968	8.15	Oct. 28, 1969	8.46
Mar. 16	8.23	June 27	3.63	Aug. 21	8.74	Dec. 22	8.42
Apr. 20	8.26	July 20	5.48	Sept. 20	9.13	Jan. 23, 1970	6.74
May 16	8.25	Aug. 24	7.51	Oct. 23	9.55	Feb. 24	4.98
June 15	7.95	Sept. 27	8.47	Dec. 12	8.78	Mar. 25	5.16
July 12	8.46	Oct. 26	8.65	Jan. 24, 1969	5.48	Apr. 17	5.40
Aug. 16	9.28	Nov. 17	8.69	Mar. 4	5.28	May 19	2.56
Sept. 20	9.83	Dec. 14	8.50	25	4.00	June 23	3.55
Oct. 20	9.96	Jan. 16, 1968	8.72	Apr. 25	1.80	July 22	4.78
Nov. 21	9.76	Feb. 21	8.23	May 29	2.87	Aug. 25	6.99
Jan. 20, 1967	10.07	Mar. 21	4.72	June 18	3.32	Sept. 17	7.63
Feb. 16	9.14	Apr. 17	5.87	July 15	5.00	Oct. 27	7.86
Mar. 25	8.84	May 27	5.20	Aug. 21	7.27	Nov. 19	7.73
Apr. 19	7.60	June 18	6.20	Sept. 15	8.08	Dec. 17	7.40

Quinn River Valley

413320N1174820.1. Local number 42/37-3bb1. George Reed. Drilled irrigation water-table well in alluvium of Quaternary age, diam 12 in, depth 160 ft, cased to 160. Lsd about 4,260 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 16.55 below lsd, Jan. 20, 1950; lowest 64.62 below lsd, Mar. 25, 1970. Records available: 1949-64, 1967-70. No measurement made in 1966. Mar. 29, 1967, 53.53; Mar. 20, 1968, 57.35; May 1, 1969, 61.29; Mar. 25, 1970, 64.62.

413310N1174820.1. Local number 42/37-33b2. Drees. 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. Highest water level 35.42 below lsd, Sept. 16, 1953; lowest 90.17 below lsd, Mar. 29, 1967. Records available: 1948-64, 1967-69. No measurement made in 1966, 1970. Measurement discontinued. Mar. 29, 1967, 90.17; Mar. 20, 1968, 86.26; May 1, 1969, 77.79.

413750N1174030.1. Local number 43/37-4c1. C. S. Collins. 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 48.42 below lsd, May 1, 1969. Records available: 1947, 1960-64, 1967-69. No measurement made in 1966. Well dry; measurement discontinued. Mar. 29, 1967, 45.00; Mar. 20, 1968, 46.80; May 1, 1969, 48.42.

Lander County

Crescent Valley

(See also Eureka County)

402100N1163520.1. Local number 29/48-29c2. Beowawe Farms. Drilled irrigation, artesian or water-table unknown, 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 56.60 below lsd, Mar. 23, 1970; lowest 69.28 below lsd, Sept. 28, 1966. Records available: 1958-66, 1968-70. No measurement made in 1967. Sept. 23, 1966, 69.28; Mar. 18, 1968, 57.30; Apr. 30, 1969, 57.62; Mar. 23, 1970, 56.60.

402520N1163410.1. Local number 30/48-33c1. H. J. Buchaneau. Drilled irrigation, artesian or water-table unknown, 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 54.54 below lsd, Apr. 30, 1969; lowest 80.56 below lsd, Sept. 19, 1963. Records available: 1953, 1958-59, 1962-66, 1968-70. No measurement made in 1967. Sept. 28, 1966, 73.03; Mar. 18, 1968, 74.81; Apr. 30, 1969, 54.54; Mar. 23, 1970, 61.09.

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, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in, depth 197 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: 1949-66, 1968, 1970. No measurement made in 1967, 1969. Sept. 29, 1966, 10.43; Mar. 18, 1968, 9.37; Mar. 24, 1970, 8.12.

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 10.90 below lsd, Oct. 5, 1966. Records available: 1945-59, 1961-66. No measurement made in 1967. Measurement discontinued January 1968. Oct. 5, 1966, 10.90.

403620N1165020.1. Local number 32/46-31bb1. Humboldt Petroleum Co. Drilled oil test, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in, reported 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 12.68 below lsd, Oct. 5, 1966. Records available: 1947-66, 1968-70. No measurement made in 1967. Oct. 5, 1966, 12.68; Mar. 18, 1968, 12.37; Apr. 30, 1969, 12.64; Mar. 24, 1970, 11.70.

Reese River Valley

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 4-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: 1947-66, 1968-70. No measurement made in 1967. Sept. 29, 1966, 12.09; Mar. 19, 1968, 11.60; Apr. 30, 1969, 10.85; Mar. 23, 1970, 10.97.

403010N1170830.1. Local number 30/43-9aa1. Copper Canyon Mining Co. Drilled unused, artesian or water-table unknown, 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 138.74 below lsd, Sept. 29, 1966. Records available: 1947-66. No measurement made in 1967. Measurement discontinued January 1968. Sept. 29, 1966, 138.74.

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 4,666 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: 1947-66. No measurement made in 1967. Measurement discontinued January 1968. Sept. 29, 1966, 30.17.

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: 1947-66, 1968-70. No measurement made in 1967. Sept. 29, 1966, 27.08; Mar. 18, 1968, 29.79; Apr. 30, 1969, 30.18; Mar. 24, 1970, 31.88.

Lincoln County

Meadow Valley

374910N1142310.1. Local number S1/68-33b1. Lafe Matthew Estate. Drilled irrigation, artesian or water-table unknown, 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, 0.30 ft above lsd. 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, 1964-66, 1969-70. No measurement made in 1967-68. Feb. 17, 1966, 33.92; Nov. 15, 39.30; Mar. 23, 1969, 34.37; Feb. 4, 1970, 36.41.

374750N1142420.1. Local number S2/68-8b5. U.S. Geol. Survey. Drilled test and observation, artesian or water-table unknown, 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, 1961-67, 1969-70. No measurement made in 1968.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 16, 1966	14.27	Aug. 25, 1966	22.41	Feb. 21, 1967	14.74	Mar. 23, 1969	14.06
May 17	17.09	Nov. 15	18.45	May 25	17.33	Feb. 4, 1970	15.74

Pahrnanagat Valley

373330N1151420.1. Local number S4/60-34a2. W. U. Schofield, Jr. Drilled unused, artesian or water-table unknown, 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 ft 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, 1962-66, 1969-70. No measurement made in 1967-68. Feb. 18, 1966, 63.28; Mar. 20, 1969, 64.62; Feb. 3, 1970, 64.03.

372500N1151040.1. Local number S6/61-18d2. Gardner Chism. Drilled unused, artesian or water-table unknown, 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 10.57 below lsd, Feb. 18, 1966. Records available: 1946-60, 1962-66, 1969-70. No measurement made in 1967-68. Feb. 18, 1966, 10.57; Mar. 22, 1969, 8.90; Feb. 3, 1970, 10.15.

371640N1150720.1. Local number S8/61-2c1. J. H. Hall. Drilled irrigation, artesian or water-table unknown, 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 17.47 below lsd, Mar. 22, 1969; lowest 26.98 below lsd, Mar. 24, 1955. Records available: 1946-60, 1962-63, 1965-66, 1969-70. No measurement made in 1967-68. Feb. 18, 1966, 19.57; Mar. 22, 1969, 17.47; Feb. 3, 1970, 22.32.

Lyon County

Mason Valley

385110N1190900.1. Local number 12/25-35dcl. John C. Baker. Drilled irrigation, artesian or water-table unknown, 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, 1957-70. Mar. 7, 1966, 10.87; July 6, 8.81; Mar. 10, 1967, 16.82; Mar. 20, 1968, 10.40; Apr. 7, 1969, 12.90; Mar. 9, 1970, 9.70.

385930N1190940.1. Local number 13/25-14bcl. Yerington High School. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 8 in, depth unknown, cased. Lsd about 4,380 ft above msl. MP top of casing, 1.20 ft below lsd. Highest water level 2.43 below lsd, June 6, 1966; lowest 7.13 below lsd, Oct. 13, 1961. Records available: 1957-69. Measurement discontinued. Mar. 7, 1966, 3.37; June 6, 2.43; Mar. 10, 1967, 3.57; Mar. 20, 1968, 3.05; Apr. 7, 1969, 3.25.

390800N1190930.1. Local number 15/25-26cl. Mason Valley Ranch. Drilled unused, artesian or water-table unknown, 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 2.42 below lsd, Oct. 26, 1965; lowest 7.96 below lsd, Oct. 13, 1961. Records available: 1945, 1947-55, 1957-68. Mar. 7, 1966, 2.58; June 6, 2.60; Mar. 10, 1967, 4.10; Mar. 20, 1968, 3.20.

Smith Valley

385030N1192320.1. Local number 11/23-3dcl. R. B. Day. Drilled irrigation, artesian or water-table unknown, 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, 1962-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4, 1966	55.45	Dec. 13, 1966	62.60	July 11, 1967	57.15	Apr. 7, 1969	59.50
June 4	55.37	Mar. 7, 1967	58.57	Mar. 21, 1968	54.82	Mar. 9, 1970	54.10
Sept. 26	61.65						

384610N1191900.1. Local number 11/24-32dcl. A. Nutti. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 16 in, reported depth 390 ft, cased. Lsd 4,865 ft above msl. MP top of 3/4-in plug opening, 0.40 ft above lsd. Highest water level 23.62 below lsd, Mar. 3, 1948; lowest 72.14 below lsd, Sept. 18, 1964. Records available: 1948-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4, 1966	40.80	Dec. 13, 1966	45.71	July 11, 1967	55.96	Apr. 7, 1969	44.50
June 9	51.10	Mar. 7, 1967	46.30	Mar. 21, 1968	39.20	Mar. 9, 1970	38.00
Sept. 26	59.95						

Mineral County

Lake Valley

383440N1183650.1. Local number 8/30-3dal. U.S. Naval Ammunition Depot. Drilled domestic and industrial, artesian or water-table unknown, 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 53.19 below lsd, May 19, 1969. Records available: 1954, 1957-60, 1962-66, 1968-70. No measurement made in 1967. Sept. 19, 1966, 52.20; Mar. 18, 1968, 52.45; May 19, 1969, 53.19; Apr. 13, 1970, 53.01.

383310N1184010.1. Local number 8/30-18aad1. U.S. Naval Ammunition Depot. Drilled irrigation, artesian or water-table unknown, 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 95.10 below lsd, Nov. 21, 1952; lowest 104.18 below lsd, May 19, 1969. Records available: 1952, 1957-60, 1962-66, 1968-70. No measurement made in 1967. Sept. 19, 1966, 103.39; Mar. 18, 1968, 102.75; May 19, 1969, 104.18; Apr. 13, 1970, 103.61.

383150N1183800.1. Local number 8/30-21ddb1. U.S. Naval Ammunition Depot. Drilled domestic and irrigation, artesian or water-table unknown, 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, 1962-66, 1968-70. No measurement made in 1967. Sept. 19, 1966, 208.73; Mar. 18, 1968, 209.62; May 19, 1969, 209.22; Apr. 13, 1970, 208.62.

383100N1183550.1. Local number 8/30-26ddal. U.S. Naval Ammunition Depot. Drilled industrial, artesian or water-table unknown, 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. Highest water level 246.50 below lsd, Nov. 21, 1952; lowest 257.45 below lsd, Sept. 21, 1964. Records available: 1952, 1957-60, 1962-66, 1968-70. No measurement made in 1967. Sept. 19, 1966, 252.95; Mar. 18, 1968, 255.63; May 19, 1969, 254.29; Apr. 13, 1970, 253.57.

383100N1183300.1. Local number 8/31-32bab1. U.S. Naval Ammunition Depot. Drilled industrial, artesian or water-table unknown, 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 257.29 below lsd, Apr. 13, 1970. Records available: 1952, 1957-58, 1960, 1962-66, 1968-70. No measurement made in 1967. Sept. 19, 1966, 245.12; Mar. 18, 1968, 245.58; May 19, 1969, 246.72; Apr. 13, 1970, 257.29.

Soda Spring Valley

383120N1181210.1. Local number 8/34-28c1. Basic Magnesium Plant. Drilled unused, artesian or water-table unknown, 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, 1962-66, Measurement discontinued. Sept. 19, 1966, 136.98.

Whiskey Flat

382020N1183100.1. Local number 6/31-33b2. W. P. Merchant. Drilled unused, artesian or water-table unknown, 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 47.27 below lsd, Apr. 13, 1970. Records available: 1948-51, 1957-58, 1962-66, 1968-70. No measurement made in 1967. Records since Sept. 14, 1962 are estimated from nearby well. Sept. 19, 1966, 46.23; Mar. 18, 1968, 46.59; May 19, 1969, 47.07; Apr. 13, 1970, 47.27.

Nye County

Amargosa Desert

363310N1162940.1. Local number S16/49-18dcl. U.S. Bureau of Land Management. Drilled observation, artesian or water-table unknown, 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 108.04 below lsd, Feb. 24, 1969. Records available: 1953, 1955-59, 1961, 1963, 1965-67, 1969-70. No measurement made in 1968. Feb. 14, 1966, 106.68; Feb. 16, 1967, 107.24; Feb. 24, 1969, 108.04; Feb. 15, 1970, 107.63.

363120N1163000.1. Local number S16/49-31bal. Gordon Bettles. Drilled unused, artesian or water-table unknown, 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 71.13 below lsd, Feb. 24, 1969. Feb. 15, 1970. Records available: 1952-59, 1961, 1963-67, 1969-70. No measurement made in 1968. Feb. 14, 1966, 69.28; Feb. 16, 1967, 70.55; Feb. 24, 1969, 71.13; Feb. 15, 1970, 71.13.

Big Smoky Valley

(See also Esmeralda County)

385450N1170920.1. Local number 12/43-9cal. Carl Haas. Drilled unused, artesian or water-table unknown, 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. Highest water level 22.72 below lsd, Sept. 3, 1957; lowest 55.25 below lsd, Mar. 20, 1967. Records available: 1957-63, 1965-69. No measurement made in 1970. Measurement discontinued. Mar. 21, 1966, 49.75; Sept. 12, 54.00 (well being pumped); Mar. 20, 1967, 55.25; July 23, 1968, 44.28; Apr. 19, 1969, 34.75.

390920N1170330.1. Local number 15/44-20bal. A. B. Robertson. Drilled unused, artesian or water-table unknown, 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: 1957-67. Measurement discontinued. Mar. 21, 1966, 34.74; Sept. 16, 32.80; Mar. 20, 1967, 33.25;

Pahrump Valley

(See also Clark County)

361210N1155900.1. Local number S20/53-14dcc3. Williams and Crews. 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, 0.30 ft above lsd. Highest water level 4.05 above lsd, Mar. 6, 1945; lowest 55.85 below lsd, Aug. 22, 1970. Records available: 1945, 1959, 1962, 1965-67, 1969-70. No measurement made in 1968. Feb. 14, 1966, 42.47; Feb. 16, 1967, 50.41; Mar. 24, 1969, 73.22 (well being pumped); Feb. 15, 1970, 64.17 (nearby well being pumped); Aug. 22, 55.85.

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: 1948-60, 1962-66, 1968-70. No measurement made in 1967. Mar. 21, 1966, 12.10; Sept. 20, 12.54; Mar. 12, 1968, 12.14; Apr. 19, 1969, 12.09; Apr. 17, 1970, 12.14.

Ormsby County(Changed to Carson City)Pershing County

Buena Vista Valley

402640N1180150.2. Local number 30/35-27b2. Neill Talcott. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 8 in, depth unknown, cased. Lsd about 4,240 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 14.61 below lsd, Sept. 11, 1963; lowest 21.57 below lsd, Mar. 21, 1965. Records available: 1963-66, 1968-70. No measurement made in 1967. Mar. 18, 1966, 18.64; Sept. 19, 1970; Mar. 22, 1968, 19.74; Apr. 23, 1969, 20.15; Mar. 24, 1970, 19.47.

Grass Valley

(See also Humboldt County)

404140N1174350.1. Local number 33/38-32b1. U.S. Bureau of Land Management (Guthrie Well). Drilled stock, artesian or water-table unknown, 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, 1.20 ft above lsd. Highest water level 28.17 below lsd, Aug. 18, 1945; lowest 36.27 below lsd, Mar. 24, 1969. Records available: 1946-56, 1961-70. Mar. 17, 1966, 33.37; Sept. 20, 34.20; Mar. 31, 1967, 34.63; Mar. 20, 1968, 34.58 (well pumped recently); Mar. 24, 1969, 36.27; Mar. 25, 1970, 33.63.

404940N1174750.1. Local number 34/37-22a1. J. Ballard. Drilled unused, artesian or water-table unknown, 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 13.17 below lsd, Sept. 20, 1966. Records available: 1946-62, 1964-70. Mar. 17, 1966, 11.54; Sept. 20, 13.17; Mar. 31, 1967, 12.11; Mar. 20, 1968, 12.44; Apr. 24, 1969, 12.40; Mar. 25, 1970, 11.76.

Humboldt River Valley

(See also Elko, Humboldt, and Lander Counties)

403620N1181530.1. Local number 32/33-28d1. Cliff and Cecil Campbell. Humboldt. Drilled irrigation, artesian or water-table unknown, 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 45.85 below lsd, Mar. 25, 1970. Records available: 1950-54, 1956-60, 1963-66, 1968-70. No measurement made in 1967. Mar. 18, 1966, 38.30; Sept. 19, 37.95; Mar. 22, 1968, 36.59; Apr. 23, 1969, 45.70; Mar. 25, 1970, 45.85.

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: 1950-68. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1966	23.38	Aug. 22, 1966	19.90	Mar. 27, 1967	21.60	Oct. 23, 1967	20.25
Feb. 24	22.23	Sept. 28	18.90	Apr. 25	22.28	Nov. 29	21.48
Mar. 23	22.94	Oct. 31	19.14	May 23	22.03	Dec. 21	21.84
Apr. 27	23.39	Nov. 29	20.03	June 22	20.22	Jan. 25, 1968	22.56
May 24	21.99	Dec. 27	21.72	July 27	20.23	Feb. 28	23.00
June 23	20.90	Jan. 27, 1967	20.80	Aug. 29	19.77	Mar. 18	23.44
July 25	20.59	Feb. 27	21.38	Sept. 23	19.85	Apr. 24	24.37

392930N1195010.1. Local number 19/19-22cd1. John Belford. Drilled domestic, artesian or water-table unknown, 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. 30, 1951; lowest 227.80 below lsd, Oct. 20, 1964. Records available: 1951, 1960-61, 1963-67. Measurement discontinued. Mar. 24, 1966, 226.40; Mar. 8, 1967, 226.00.

392930N1194810.1. Local number 19/19-24cd1. J. B. Linabary. Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in, depth 89 ft, cased to 89. Lsd about 4,490 ft above msl. MP top of casing, 1.55 ft below lsd. Highest water level 27.45 below lsd, Aug. 27, 1959; lowest 35.85 below lsd, Mar. 8, 1967. Records available: 1956-70. Mar. 25, 1966, 33.35; Sept. 28, 33.30; Mar. 8, 1967, 35.85; Mar. 18, 1968, 33.55; Apr. 8, 1969, 34.60; Mar. 10, 1970, 34.70.

393143N1194532.1. Local number 19/20-8accl. J. G. Morrison. Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in, depth 42 ft, cased to 42. Lsd 4,415 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 1.44 below lsd, Aug. 14, 1958; lowest 6.05 below lsd, Apr. 6, 1970. Records available: 1956-68, 1970. No measurement made in 1969.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 26, 1956	2.72	Apr. 14, 1958	2.52	Mar. 28, 1960	2.65	Mar. 4, 1965	3.15
Feb. 12, 1957	2.14	June 9	1.92	Aug. 23	1.54	Sept. 29	2.65
Apr. 12	1.83	Aug. 14	1.44	Oct. 11, 1961	2.02	Mar. 23, 1966	2.40
June 11	1.78	Oct. 27	2.22	Mar. 1, 1962	2.70	Sept. 28	4.80
Aug. 9	1.98	Dec. 20	2.70	Feb. 28, 1963	2.52	Mar. 8, 1967	5.20
Oct. 14	2.30	Apr. 14, 1959	2.23	Sept. 11	1.58	Mar. 18, 1968	5.76
Dec. 13	3.63	June 30	1.66	Mar. 18, 1964	2.68	Apr. 6, 1970	6.05
Feb. 6, 1958	2.48	Aug. 27	1.61	Sept. 16	1.86		

392900N1194710.1. Local number 19/20-30bc2. Edward Peckham. Drilled domestic, artesian or water-table unknown, 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 28.60 below lsd, Apr. 14, 1959. Records available: 1948, 1956-65. Measurement discontinued. Measurements subsequent to Mar. 1, 1962, were affected by pumping.

White Pine County

Lake Valley

384030N1143730.1. Local number 10/65-36d2. Geyser Ranch. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 10 in, depth 58 ft, cased. Lsd about 6,000 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 24.42 below lsd, Apr. 16, 1947; lowest 28.15 below lsd, Nov. 16, 1966. Records available: 1947, 1958, 1960, 1963-66. No measurement made in 1967. Measurement discontinued January 1968. Feb. 17, 1966, 26.34; Nov. 16, 1965, 28.15.

Newark Valley

392300N1154930.1. Local number 18/55-31cl. Federal Emergency Relief Administration. Formerly 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 6- x 6-in post, 1.67 ft above lsd (since Mar. 20, 1968). 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, 1961-70. Mar. 16, 1966, 34.56; Sept. 15, 35.00; Mar. 21, 1967, 34.64; Mar. 20, 1968, 34.82; Apr. 22, 1969, 34.59; Apr. 22, 1970, 34.60.

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 casing, 2.50 ft above lsd (since Mar. 20, 1968). Highest water level 27.92 below lsd, Oct. 12, 1962; lowest 36.37 below lsd, Apr. 22, 1970. Records available: 1948-70. Mar. 16, 1966, 32.24; Sept. 15, 33.48; Mar. 21, 1967, 33.88; Mar. 20, 1968, 33.62; Apr. 22, 1969, 32.48; Apr. 22, 1970, 36.37.

393650N1154540.1. Local number 20/55-10dl. 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, 1966-67. Measurement discontinued January 1968. Sept. 15, 1966, 9.42; Mar. 21, 1967, 9.39.

394200N1154610.1. Local number 21/55-9b1. Formerly 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 below lsd, Oct. 12, 1962. Records available: 1948-59, 1961-70. Mar. 16, 1966, 16.36; Sept. 15, 19.12; Mar. 21, 1967, 12.30; Mar. 20, 1968, 11.54; Apr. 22, 1969, 14.86; Apr. 22, 1970, 17.52.

Spring Valley

390000N1142820.1. Local number 13/67-8dl. 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 11.23 below lsd, Apr. 21, 1969; lowest 15.18 below lsd, Sept. 17, 1966. Records available: 1947-57, 1959-70. Mar. 15, 1966, 13.88; Sept. 17, 15.18; Mar. 21, 1967, 12.92; Mar. 21, 1968, 12.02; Apr. 21, 1969, 11.23; Apr. 23, 1970, 12.85.

390940N1143020.1. Local number 15/66-13dl. J. P. Johanson. Drilled domestic, artesian or water-table unknown, 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 pumpbase, 1.00 ft above lsd. Highest water level 8.07 below lsd, Apr. 21, 1969; lowest 23.81 below lsd, Mar. 10, 1961. Records available: 1947, 1949-57, 1959-70. Mar. 15, 1966, 18.90; Sept. 17, 20.41; Mar. 21, 1967, 22.11; Mar. 21, 1968, 17.10; Apr. 21, 1969, 8.07; Apr. 23, 1970, 19.45.

392140N1142150.1. Local number 17/68-6dl. 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, 1959-67. Measurement discontinued January 1968. Mar. 15, 1966, 27.30; Sept. 17, 28.86; Mar. 21, 1967, 26.70 (dry).

Steptoe Valley

391100N1144920.1. Local number 15/64-7al. Lloyd Sorenson. Drilled irrigation, artesian or water-table unknown, 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. Highest water level 31.76 below lsd, Apr. 23, 1970; lowest 41.83 below lsd, Mar. 10, 1961. Records available: 1948-57, 1959, 1961-70. Mar. 15, 1966, 39.09; Sept. 17, 38.74; Mar. 21, 1967, 40.00; Mar. 21, 1968, 34.64; Apr. 21, 1969, 32.51; Apr. 23, 1970, 31.76.

391700N1145010.1. Local number 16/63-1bl. Owner unknown. Drilled unused, artesian or water-table unknown, 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, 0.80 ft above lsd. Highest water level 55.91 below lsd, Apr. 21, 1969; lowest 75.54 below lsd, Mar. 25, 1964. Records available: 1949-57, 1959-70. Mar. 15, 1966, 72.06; Sept. 16, 73.49; Mar. 22, 1967, 72.02; Mar. 21, 1968, 61.77; Apr. 21, 1969, 55.91; Apr. 23, 1970, 57.46.

393150N1144930.1. Local number 19/63-12al. U.S. Geol. Survey. Drilled test, artesian or water-table unknown, well in sand and gravel in alluvium of Quaternary age, diam 12 to 8 in, depth 915 ft, cased 8-in 0-540. Lsd 6,054 ft above msl. MP top of concrete curb, 1.60 ft above lsd. Highest water level 9.6 below lsd, 1918; lowest 21.20 below lsd, July 5, 1949. Records available: 1918, 1949-57, 1959, 1961-70. Mar. 15, 1966, 18.95; Sept. 16, 15.79; Mar. 22, 1967, 15.66; Apr. 19, 16.82; Mar. 21, 1968, 14.63; Apr. 21, 1969, 14.78 (well being pumped); Apr. 23, 1970, 14.26.

393310N1144750.1. Local number 20/64-32e2. U.S. Geol. Survey. Drilled test, artesian or water-table unknown, 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 11.97 below lsd, June 23, 1969; lowest 17.87 below lsd, Dec. 17, 1964. Records available: 1918, 1949-57, 1959, 1961-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1966	13.87	May 25, 1967	13.16	July 24, 1968	13.64	Oct. 23, 1969	13.52
Feb. 23	13.80	June 21	13.10	Aug. 13	13.75	Nov. 23	13.27
Mar. 22	13.51	July 21	13.45	Sept. 23	13.73	Dec. 30	13.06
May 25	13.44	Aug. 22	14.03	Oct. 23	13.44	Jan. 27, 1970	12.88
June 21	13.68	Sept. 21	14.28	Dec. 4	13.15	Mar. 11	12.70
July 18	14.08	Oct. 23	14.15	Jan. 10, 1969	13.05	Apr. 23	12.55
Aug. 22	14.37	Nov. 28	13.90	Feb. 11	13.00	May 26	12.39
Sept. 24	14.39	Dec. 20	13.79	Mar. 17	12.87	June 24	12.56
Oct. 20	14.19	Jan. 21, 1968	13.64	Apr. 21	12.65	July 28	12.90
Nov. 16	14.15	Feb. 20	13.54	May 21	12.59	Aug. 25	13.03
Dec. 19	13.87	Mar. 20	13.34	June 23	11.97	Sept. 22	12.69
Jan. 26, 1967	14.40	Apr. 23	13.27	July 23	13.34	Oct. 23	12.30
Feb. 22	13.56	May 21	13.10	Aug. 20	13.54	Nov. 18	12.15
Mar. 22	13.41	June 19	13.10	Sept. 22	13.67	Dec. 17	12.01
Apr. 19	13.49						

White River Valley

384640N1150450.1. Local number 11/61-35al. Public domain. Drilled stock, artesian or water-table unknown, 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 8.69 below lsd, Apr. 20, 1969; lowest 13.66 below lsd, Oct. 13, 1962. Records available: 1947-57, 1959, 1961-70. Mar. 19, 1966, 11.36; Sept. 16, 11.74; Mar. 22, 1967, 11.56; Mar. 14, 1968, 11.17; Apr. 20, 1969, 8.69; Apr. 24, 1970, 11.30.

385150N1150550.1. Local number 12/61-34al. U.S. Bureau of Land Management. Drilled stock, artesian or water-table unknown, 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 64.17 below lsd, Mar. 22, 1967. Records available: 1947-57, 1959-67. Measurement discontinued January 1968. Mar. 16, 1966, 63.06; Sept. 16, 63.85; Mar. 22, 1967, 64.17.

385400N1150240.1. Local number 12/62-18dl. U.S. Geol. Survey. Drilled test and observation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in, depth 108 ft, cased to 105. 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 53.21 below lsd, Sept. 16, 1966. Records available: 1947-53, 1955-57, 1959, 1961-68, 1970. No measurement made in 1969. Mar. 16, 1966, 50.05; Sept. 16, 53.21; Mar. 22, 1967, 51.12; Mar. 14, 1968, 47.75; Apr. 24, 1970, 44.97.

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 5,578.45 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 25.52 below lsd, Mar. 22, 1967. Records available: 1947-57, 1959-67. Measurement discontinued January 1968. Mar. 16, 1966, 22.78; Sept. 16, 19.98; Mar. 22, 1967, 25.52.

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Note.--Measurements were discontinued in 1965 for the following wells:

Esmeralda County - 375300N1171510.1. - Local number S1/42-3.
 Eureka County - 402020N1163300.1. - Local number 29/48-34c1.
 Lander County - 400950N1170900.1. - Local number 27/43-33cd1.
 Nye County - 361700N1160000.1. - Local number S19/53-22acd1.

NEW MEXICO

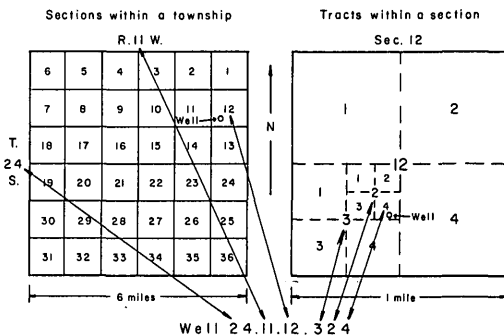
The observation-well program, which has been in progress in New Mexico since 1925, was continued during 1966 through 1970 in cooperation with the State Engineer of New Mexico. About 1,500 wells are measured annually and published in the Technical Report Series by the State Engineer. Figure 6 shows the 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

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

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.



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 of each mixed table. Readings between plus signs are above the plane of reference, and those between minus signs are below the plane of reference.

Bernalillo County

Albuquerque Area

345730N1064310.1. Local number 9.2E.34.322. Denison Farm. Drilled irrigation water-table well in Santa Fe Group, diam 12 in, depth unknown, cased to 12. Lsd 4,910 ft above ms1. MP top of casing, 1.38 ft above lsd. Highest water level 12.17 below lsd, Aug. 4, 1969; lowest 16.30 below lsd, Jan. 12, 1967. Records available: 1956-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21, 1966	13.44	Aug. 11, 1967	12.72	Jan. 14, 1969	13.01	Jan. 19, 1970	12.74
Sept. 20	13.27	Jan. 16, 1968	13.30	Aug. 4	12.17	Aug. 6	12.52
Jan. 12, 1967	16.30	Aug. 12	12.49				

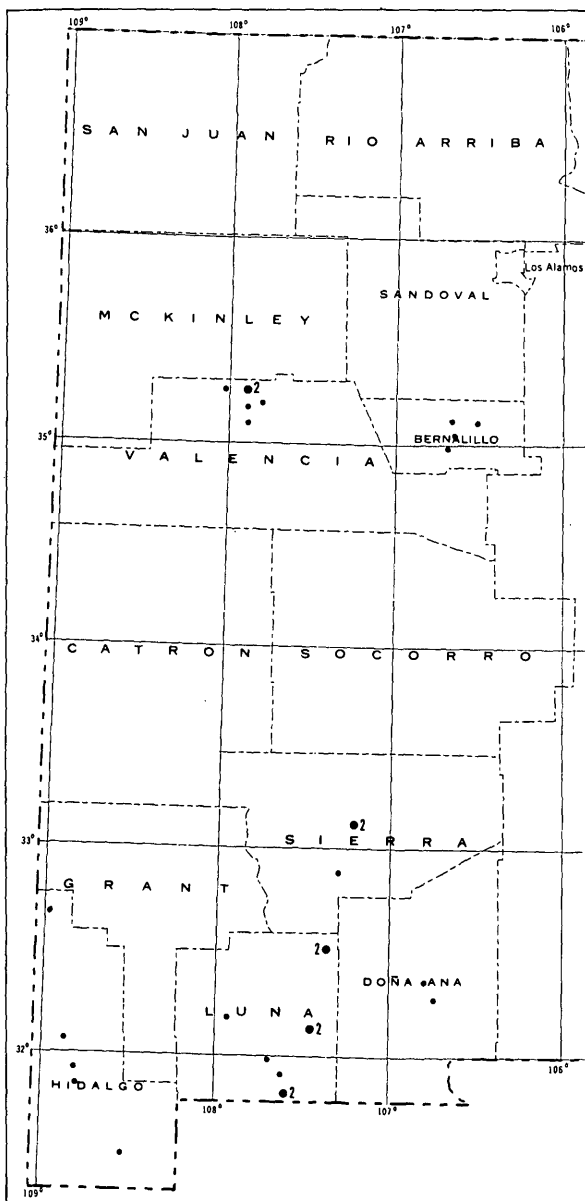
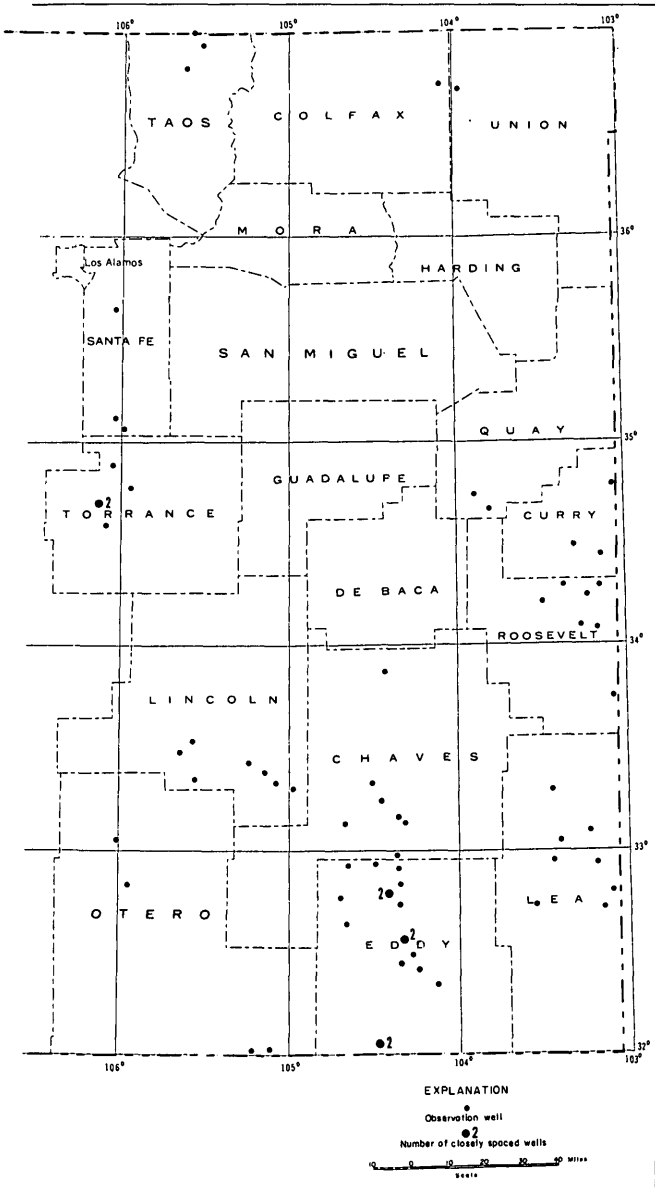


Figure 6.--Location of observation



wells in New Mexico, 1966-70.

350655N1063950.2. Local number 10.2E.12.223. City of Albuquerque. Drilled observation water-table well in alluvium and Santa Fe Group, diam 6 in, depth 950 ft, casing information not available. Lsd 4,962 ft above msl. MP top north side of casing, 6.00 ft above lsd. Highest water level 12.10 below lsd, Apr. 16, 1953; lowest 34.74 below lsd, Aug. 31, 1964. Records available: 1953, 1957-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 11, 1966	21.49	Aug. 11, 1967	26.21	Jan. 14, 1969	25.63	Jan. 19, 1970	18.66
Sept. 20	32.32	Jan. 17, 1968	23.13	Aug. 4	23.99	Aug. 7	26.89
Jan. 12, 1967	22.60	Aug. 12	29.26				

350415N1064030.1. Local number 10.2E.24.413. City of Albuquerque. Drilled observation water-table well in alluvium and Santa Fe Group, diam 6 in, depth and casing information not available. Lsd 4,945 ft above msl. MP top east side of casing, 5.50 ft above lsd. Highest water level 19.88 below lsd, Jan. 19, 1970; lowest 22.51 below lsd, Oct. 7, 1961. Records available: 1956-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 21, 1966	21.62	Aug. 11, 1967	22.07	Jan. 14, 1969	20.95	Jan. 19, 1970	19.88
Sept. 22	21.87	Jan. 17, 1968	22.04	Aug. 4	20.50	Aug. 6	
Jan. 12, 1967	22.03	Aug. 12	21.57				

350730N1063030.1. Local number 10.4E.3.242. B. G. Gutierrez. Drilled unused water-table well in Santa Fe Group, 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 258.95 below lsd, Jan. 13, 1969. Records available: 1956-69. Measurement discontinued 1970. Feb. 21, 1966, 257.27; Sept. 20, 257.62; Jan. 12, 1967, 257.60; Aug. 11, 257.26; Jan. 15, 1968, 258.28; Aug. 9, 258.57; Jan. 13, 1969, 258.95.

Chaves County

Roswell Basin

334645N1043445.1. Local number 7.23.23.244. 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 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 281.11 below lsd, Aug. 10, 1970. Records available: 1951-60, 1962-66, 1968-70. No measurement made in 1967; well being pumped. Jan. 6, 1966, 278.91; Jan. 2, 1968, 278.30; July 5 (well being pumped); Jan. 9, 1969, 277.54; Aug. 4 (well being pumped); Jan. 8, 1970, 278.82; Aug. 10, 281.11.

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 17.32 below lsd, Aug. 4, 1969. Records available: 1937-70. Jan. 14, 1966, 13.44; Aug. 25, 1967, 13.56; Aug. 5, 1968, 16.89; Aug. 4, 1969, 17.32; Jan. 14, 1970, 15.23; Aug. 10, 16.85.

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 3/4-in pipe collar, 0.62 ft above lsd. Highest water level 38.64 below lsd, Oct. 16, 1941; lowest 81.16 below lsd, Aug. 10, 1970. Records available: 1937-70. Jan. 11, 1966, 77.72; Jan. 27, 1967, 77.69; Aug. 25, 77.81; Aug. 5, 1968, 78.15; Aug. 4, 1969, 79.21; Jan. 14, 1970, 76.64; Aug. 10, 81.16.

331205N1042451.1. Local number 12.25.23.344. Orchard Park "A". Drilled observation artesian well in San Andres Limestone, diam 9 in to 7 in, depth 930 ft, depth to San Andres 710 ft, 9-in casing 0-304, 7-in casing 304-714. Lsd 3,539.00 ft above msl. MP top of recorder shelf, 2.90 ft above lsd. Highest water level 1.74 below lsd, Jan. 15, 1942; lowest 165.64 below lsd, July 31, 1966. Records available: 1966-70. Equipped with digital recorder. Replaces well 12.25.23.113.

Highest water level for the day, from recorder graph, 1966												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	30.09	28.30	56.82	94.35	77.59	127.74	135.07	156.41	76.93	100.39	73.63	50.96
10	31.32	33.38	66.87	105.37	72.92	125.66	146.28	151.57	92.20	83.72	67.36	59.75
15	30.83	e32.10	70.82	126.56	67.46	126.95	145.46	139.41	99.49	90.35	59.22	29.99
20	e28.05	e39.90	86.40	124.34	83.34	124.72	140.94	144.54	104.58	81.78	53.58	57.46
25	27.90	44.55	141.49	85.06	106.76	134.73	147.66	83.20	109.47	72.74	48.79	51.82
Eom	26.83	42.49	94.37	80.86	110.37	131.53	165.64	75.25	103.12	69.99	50.08	52.36

1967

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	39.58	27.67	41.27	93.51	88.65	109.17	100.86	130.13	105.58	74.17	46.47	33.93
10	36.00	26.39	51.87	100.07	88.78	79.51	114.21	105.18	99.78	55.12	41.97	31.02
15	32.68	29.93	65.79	98.48	102.20	83.34	116.58	95.72	99.79	62.08	41.25	30.34
20	32.10	33.28	72.39	99.78	115.78	96.49	131.66	90.51	99.99	63.70	39.29	29.81
25	32.07	36.44	78.99	99.81	143.93	99.79	126.66	106.47	99.79	57.47	38.29	28.38
Eom	27.90	37.03	86.71	86.58	124.97	87.51	134.84	112.38	92.45	52.99	36.21	27.89

1968

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	26.10	e21.32	29.21	110.22	77.41	100.38	158.10	99.04	99.83	84.56	42.44	30.93
10	25.57	e20.68	38.58	107.76	77.37	101.77	.....	120.77	83.56	78.03	40.21	30.48
15	26.40	e20.73	64.01	99.98	68.22	107.83	.....	127.43	82.48	66.48	37.99	30.27
20	24.80	21.78	99.83	99.06	70.85	123.64	67.85	124.89	99.98	58.51	37.78	30.15
25	e22.69	22.13	77.80	99.88	99.90	123.07	70.86	126.31	91.74	47.33	34.86	29.10
Eom	e21.78	22.81	99.74	85.26	110.46	158.09	99.70	111.63	79.40	44.66	32.10	29.00

331205N1042451.1--Continued.

1969												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	26.58	31.42	57.01	153.13	78.20	123.04	139.10	135.51	108.49	e67.25	.....	32.06
10	26.28	34.84	59.24	149.68	69.30	122.44	136.41	139.39	99.92	67.18	.....	31.31
15	26.71	39.78	.....	149.69	75.19	108.72	133.72	146.80	74.44	68.69	.....	29.67
20	26.91	44.30	85.01	149.68	79.85	111.50	137.27	150.58	76.04	55.21	34.64	e29.38
25	30.41	53.97	101.93	100.37	95.03	133.72	145.55	143.16	69.47	54.38	34.51	29.39
Eom	28.97	57.01	152.92	100.38	112.44	133.72	141.47	123.36	69.67	52.60	33.03	29.25
1970												
5	26.50	22.98	50.13	121.34	.....	115.32	124.43	132.35	143.14	86.16	49.13	38.31
10	26.59	23.45	79.34	121.34	.....	121.06	141.13	122.64	139.52	81.02	47.11	38.11
15	24.46	25.87	86.16	.....	.....	119.97	148.62	132.27	129.11	74.72	44.70	38.52
20	23.69	29.36	105.13	.....	92.81	128.92	150.99	142.78	103.74	61.64	40.67	37.12
25	23.08	33.28	116.44	.....	98.40	134.14	129.56	143.93	102.56	56.39	38.42	e38.15
Eom	22.67	38.35	121.84	.....	96.36	125.55	127.75	143.43	101.24	54.73	37.31	e37.00

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 ms1. 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: 1941-66. Well destroyed; measurement discontinued. Jan. 12, 1966, 32.45.

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, casing information not available. Lsd 3,845 ft above ms1. MP top of casing, 1.00 ft above lsd. Highest water level 257.55 below lsd, Feb. 9, 1943; lowest 327.34 below lsd, Aug. 28, 1967. Records available: 1940-70. Sept. 26, 1966, 313.64; Aug. 28, 1967, 327.34; Aug. 5, 1968, 314.87; Aug. 5, 1969, 321.37; Jan. 22, 1970, 313.50; Aug. 10, 319.17.

330640N1041745.1. Local number 14.26.12.433b. C. B. Donaghy. Formerly R. L. Cummins. 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 ms1. MP top of casing, at lsd. Highest water level 12.50 below lsd, Jan. 22, 1942; lowest 23.77 below lsd, Aug. 25, 1967. Records available: 1940-70. Jan. 12, 1966, 20.74; Sept. 26, 20.53; Aug. 25, 1967, 23.77; Aug. 5, 1968, 18.94; Aug. 5, 1969, 19.12; Jan. 19, 1970, 17.81; Aug. 10, 18.41.

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 ms1. 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: 1957-69. No measurement made in 1970. Aug. 17, 1966, 5.08; Feb. 8, 1967, 5.54; Aug. 28, 6.50; Jan. 31, 1968, 6.55; Aug. 22, 6.73; Feb. 5, 1969, 6.74.

Costilla County (in Colorado)

375655N1053540.1. Local number 1N.74.33.322. Waller and Allen. Drilled unused water-table well in Santa Fe Group, diam 15 in, depth 232 ft, casing information not available. Lsd 7,495 ft above ms1. MP top of casing, 1.50 ft above lsd. Highest water level 101.82 below lsd, Aug. 26, 1968; lowest 127.34 below lsd, Aug. 28, 1970. Records available: 1966-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7, 1966	117.98	Aug. 14, 1967	122.87	Mar. 12, 1969	120.00	Jan. 27, 1970	119.29
Aug. 4	116.27	Mar. 28, 1968	121.07	Aug. 11	122.82	Aug. 28	127.34
Feb. 9, 1967	121.13	Aug. 26	101.82				

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 ms1. MP top southwest side of casing, 0.90 ft above lsd. Highest water level 340.62 below lsd, Mar. 16, 1957; lowest 343.60 below lsd, Aug. 26, 1970. Records available: 1954-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1966	342.33	Aug. 8, 1967	342.58	Jan. 8, 1969	342.86	Jan. 6, 1970	343.45
Sept. 28	342.15	Jan. 12, 1968	343.19	Aug. 11	343.42	Aug. 26	343.60
Jan. 4, 1967	342.45	Aug. 7	343.00				

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 338.20 below lsd, Aug. 8, 1967. Records available: 1954-67. No measurement made in 1968-70; well being pumped. Jan. 12, 1966, 329.34; Sept. 28, 337.35; Jan. 4, 1967 (well being pumped); Aug. 8, 338.20.

344710N1030315.1. Local number 7N.37.32.131. Formerly 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 241.40 below lsd, Jan. 8, 1970. Records available: 1954-62, 1964-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1966	b238.96	Aug. 8, 1967	237.43	Jan. 7, 1969	239.80	Jan. 8, 1970	241.40
Sept. 28	236.41	Jan. 11, 1968	240.17	Aug. 11	(a)	Aug. 26	(a)
Jan. 4, 1967	236.40	Aug. 7	(a)				

a Well being pumped.

b Well pumped recently.

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 11.32 below lsd, Aug. 25, 1969; lowest 25.57 below lsd, Apr. 25, 1957. Records available: 1957-70.

Jan. 5, 1966	18.18	Aug. 10, 1967	13.70	Jan. 7, 1969	15.32	Jan. 6, 1970	13.11
July 19	16.57	Jan. 22, 1968	16.00	Aug. 25	11.32	Aug. 27	14.86
Jan. 9, 1967	17.17	July 16	11.67				

321620N1064615.1. Local number 23.2E.31.213. New Mexico State University. Drilled irrigation water-table well in valley fill, diam 14 in, reported depth 70 ft, cased to 70. Lsd 3,880 ft above msl. MP top of 5/8-in hole in pumpbase, 1.08 ft above lsd. Highest water level 13.16 below lsd, Dec. 3, 1947; lowest 29.12 below lsd, Jan. 7, 1958. Records available: 1947-48, 1957-70.

Jan. 6, 1966	24.71	Aug. 9, 1967	24.70	Jan. 7, 1969	22.19	Jan. 6, 1970	24.70
July 19	24.28	Jan. 22, 1968	23.80	Aug. 25	17.80	Aug. 27	20.16
Jan. 9, 1967	22.78	Aug. 16	17.02				

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 270.45 below lsd, Feb. 7, 1970. Records available: 1940-65, 1970. No measurements made in 1966-69. Feb. 7, 1970, 270.45.

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: 1937-66, 1968-70. No measurement made in 1967. Jan. 11, 1966, 29.96; Aug. 7, 1968, 30.42; Jan. 16, 1969, 29.62; Aug. 5, 29.54; Jan. 16, 1970, 29.86; Aug. 10, 29.50.

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: 1938-70. Jan. 12, 1966, 77.34; Jan. 23, 1967, 70.56; Aug. 7, 1968, 66.32; Jan. 16, 1969, 82.60; Jan. 19, 1970, 86.07; Aug. 10 (well being pumped).

324930N1042345.1. Local number 17.26.21.112. Western Land Co., Inc. Drilled irrigation water-table well in Artesia Group (previously reported shallow aquifer), diam 12 in, depth 242 ft, cased to 242. Lsd 3,373 ft above msl. MP 3/4-in plug on discharge pipe, 2.00 ft above lsd. Highest water level 43.23 below lsd, Jan. 13, 1955; lowest 91.83 below lsd, Sept. 26, 1966. Records available: 1955-58, 1960-70.

Jan. 14, 1966	82.46	Jan. 28, 1967	83.54	Jan. 15, 1969	83.68	Jan. 15, 1970	83.80
Sept. 26	91.83	Jan. 3, 1968	85.32	Aug. 5	(a)	Aug. 10	(a)

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 478.73 below lsd, Jan. 14, 1969. Records available: 1945-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1966	489.12	Jan. 5, 1968	468.10	Jan. 14, 1969	478.73	Jan. 20, 1970	468.96
Sept. 27	480.04	Aug. 7	468.25	Aug. 5	470.00	Aug. 10	473.08
Jan. 27, 1967	466.91						

a Well being pumped.

324624N1042445.1. Local number 18.26.6.442a. Formerly 18.26.6.442. Artesia "A". Drilled observation Artesian well in San Andres Limestone (previously reported 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 209.15 below lsd, July 31, 1966. Records available: 1961-70.

Highest water level for the day, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	107.33	97.90	108.87	157.31	123.72	156.96	191.07	201.80	143.60	154.59	128.76	122.43
10	107.70	99.96	114.02	158.81	122.16	158.22	191.07	195.16	141.33	151.02	124.38	128.92
15	108.49	99.88	122.77	158.87	129.44	155.48	191.07	189.23	141.98	145.16	116.90	132.11
20	103.54	100.75	132.70	151.95	140.71	159.20	191.07	187.52	146.63	137.11	116.42	135.21
25	100.00	102.36	138.94	135.26	152.50	172.39	206.08	160.63	149.36	133.11	114.09	131.18
Eom	98.05	101.64	146.28	127.09	159.99	172.65	209.15	147.77	154.30	129.35	114.43	134.95

1967

5	119.92	101.04	103.80	140.03	126.57	129.85	156.74	177.10	167.50	140.35	116.04	103.18
10	114.47	98.22	109.91	137.75	133.24	134.22	153.53	177.10	162.28	137.52	113.05	101.17
15	108.81	96.51	119.34	133.67	142.80	141.23	156.18	156.79	162.82	132.21	111.03	99.05
20	105.93	97.03	123.85	129.11	151.64	149.42	160.30	156.55	154.55	127.90	108.18	98.35
25	103.79	97.33	135.60	123.62	151.80	159.32	163.76	161.70	148.37	123.53	106.22	97.09
Eom	101.29	100.04	139.45	124.12	138.14	162.28	169.78	166.95	142.81	119.49	103.79	95.78

1968

5	95.95	87.42	85.85	113.07	120.73	138.60	141.06	162.68	145.23	141.98	111.79	99.14
10	92.60	85.44	91.73	113.07	121.54	133.96	125.89	169.81	143.04	134.40	108.82	97.66
15	91.66	83.97	99.88	113.07	121.28	141.35	121.33	165.99	147.48	127.45	107.28	e97.09
20	90.19	82.65	112.77	129.94	121.55	147.73	126.45	161.93	147.75	121.45	105.10	e95.78
25	88.47	82.52	113.05	129.05	131.79	154.14	137.52	153.82	147.38	118.98	102.58	.....
Eom	87.54	83.69	113.06	126.71	140.44	160.27	155.56	149.99	144.38	114.39	100.81	.....

1969

5	92.12	89.61	98.38	134.27	117.25	134.69	160.89	164.59	138.79	131.13	101.65	93.43
10	91.78	88.72	104.32	132.80	116.88	130.53	139.36	166.97	140.21	127.31	99.90	.....
15	91.24	89.87	100.35	124.31	120.17	133.85	139.69	168.78	e138.75	122.27	98.16	.....
20	90.35	91.80	112.69	122.52	129.64	140.67	150.70	164.25	139.60	117.57	96.17	.....
25	89.62	93.71	125.00	124.86	136.11	149.61	161.96	165.64	137.40	105.30	94.72	.....
Eom	89.28	100.05	131.58	121.40	138.10	155.51	165.79	142.31	135.22	102.95	93.78	.....

1970

5	88.96	82.96	85.88	133.47	124.60	135.79	144.27	166.20	169.48	130.64	111.03	100.15
10	87.59	82.70	99.06	135.07	120.62	130.85	151.83	161.94	162.37	126.34	108.83	98.89
15	86.39	82.79	108.14	130.29	127.09	132.34	158.08	153.77	162.21	121.74	106.32	97.04
20	85.39	83.16	108.72	125.60	136.10	143.39	156.62	156.09	144.72	118.24	104.74	e95.70
25	85.27	83.33	108.72	127.26	125.98	150.53	161.33	164.85	142.35	115.98	102.74	e94.20
Eom	83.88	84.35	110.08	130.75	128.48	149.61	165.40	168.34	134.11	112.88	101.02	e93.60

e Estimated.

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 ft, 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 113.60 below lsd, Dec. 10, 1970. Records available: 1951-70.

Highest water level for the day, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	109.61	.....	.....	109.70	109.92	110.08	110.24	110.44	110.61	110.82	111.02	111.19
10	109.75	.....	.....	109.79	109.94	110.10	110.28	110.48	110.66	110.86	111.06	111.20
15	109.80	.....	.....	109.81	109.98	110.13	110.30	110.49	110.69	110.89	111.08	111.24
20	110.00	h109.70	h109.70	109.83	110.00	110.16	110.33	110.52	110.73	110.92	111.11	111.27
25	110.15	.....	.....	109.88	110.03	110.19	110.37	110.56	110.75	110.95	111.13	111.29
Eom	110.35	.....	.....	109.89	110.07	110.22	110.41	110.58	110.79	110.99	111.16	111.31

1967

5	111.34	111.50	111.60	111.71	111.84	111.98	112.14	112.32	112.47	112.58	112.76	e112.92
10	111.37	111.52	111.61	111.72	111.88	112.00	112.16	112.35	112.49	112.61	112.80	110.07
15	111.39	111.54	111.62	111.74	111.89	112.02	112.19	112.38	112.50	112.64	112.83	110.81
20	111.42	111.55	111.65	111.77	111.91	112.06	112.22	112.40	112.52	112.68	112.85	110.95
25	111.46	111.58	111.67	111.79	111.94	112.08	112.26	112.42	112.53	112.63	112.87	110.98
Eom	111.48	111.59	111.68	111.82	111.96	112.11	112.29	112.44	112.55	112.65	112.91	111.00

1968

5	110.64	110.77	110.70	110.76	110.71	110.81	111.00	111.07	111.15	111.23	111.39	111.42
10	110.65	110.67	110.71	110.82	110.74	110.91	111.02	111.08	111.18	111.25	111.31	111.44
15	110.70	110.75	110.83	110.69	110.80	110.94	111.04	111.09	111.36	111.22	111.46	110.25
20	110.72	110.66	110.83	110.82	110.75	110.91	111.01	111.15	111.23	111.33	111.47	110.10
25	110.60	110.85	110.72	110.75	110.83	110.98	111.04	111.12	111.25	111.37	111.34	110.15
Eom	110.72	110.80	110.79	110.74	110.82	111.03	111.06	111.09	111.27	111.41	111.41	110.10

324325N1042330.1--Continued.

1969												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	111.47	111.58	111.75	111.87	111.95	112.07	112.12	112.22	112.34	112.48	112.46	112.51
10	111.60	111.69	111.86	111.88	111.95	112.01	112.15	112.23	112.35	112.33	112.52	112.66
15	111.60	111.74	111.88	111.89	111.96	112.07	112.15	112.22	112.35	112.37	112.49	112.63
20	111.60	111.72	111.88	111.96	111.02	112.09	112.17	112.30	112.34	112.50	112.51	112.55
25	111.63	111.70	111.84	111.88	112.02	112.09	112.17	112.24	112.38	112.49	112.62	112.50
Eom	111.62	111.74	111.76	111.90	112.01	112.12	112.23	112.34	112.32	112.49	112.54	112.45
1970												
5	112.66	112.82	112.80	112.87	112.96	113.05	113.13	113.26	113.31	113.34	113.40	113.59
10	112.59	112.70	112.83	112.86	112.98	112.99	113.16	113.31	113.40	113.35	113.44	113.60
15	112.64	112.85	112.72	112.92	113.07	113.05	113.21	113.30	113.39	113.56	113.50	113.52
20	112.73	112.92	112.88	112.93	113.00	113.11	113.22	113.30	113.33	113.43	113.55	113.50
25	112.74	112.83	112.83	112.93	113.07	113.10	113.22	113.31	113.42	113.45	113.43	113.56
Eom	112.58	112.82	112.86	113.00	113.05	113.20	113.23	113.33	113.34	113.50	113.50	113.54

e Estimated.

h Tape measurement.

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 394.40 below lsd, Aug. 10, 1970. Records available: 1940-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 26, 1966	391.50	Jan. 5, 1968	388.70	Jan. 15, 1969	388.90	Jan. 20, 1970	390.80
Jan. 27, 1967	391.30	Aug. 7	390.70	Aug. 5	393.48	Aug. 10	394.40

323810N1042200.1. Local number 19.26.27.142. Lakewood School. 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 87.92 below lsd, Aug. 5, 1969. Records available: 1937-39, 1941-66, 1969-70. No measurement made in 1967-68. Jan. 25, 1966, 78.11 (well being pumped); Aug. 5, 1969, 87.92; Jan. 13, 1970, 71.78; Aug. 10, 82.87.

Carlsbad Area

322640N1041658.1. Local number 21.27.32.112. L. E. Loman. Drilled domestic and irrigation artesian well in Capitan Limestone of Permian age (previously reported Artesia Group), diam 6 in, reported depth 305 ft, casing information not available. 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 16.02 below lsd, Jan. 23, 1967. Records available: 1947-70.

Jan. 7, 1966	113.74	Aug. 25, 1967	13.90	Jan. 29, 1969	12.60	Jan. 21, 1970	9.16
Sept. 22	12.04	Jan. 12, 1968	12.62	Aug. 12	12.90	Aug. 20	14.56
Jan. 23, 1967	16.02	Aug. 12	14.26				

a Well being pumped.

b Well pumped recently.

322638N1041658.2. Local number 21.27.32.112a. Francis 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 17.50 below lsd, Aug. 25, 1967. Records available: 1950-70.

Jan. 7, 1966	14.99	Aug. 25, 1967	17.50	Jan. 29, 1969	12.10	Jan. 21, 1970	14.63
Sept. 22	11.32	Jan. 22, 1968	14.80	Aug. 12	12.76	Aug. 20	14.59
Jan. 23, 1967	12.16	Aug. 12	14.24				

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: 1942-70.

Highest water level for the day, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	187.63	185.65	186.27	189.19	193.70	195.56	199.11	203.54	189.04	186.49	187.63	184.09
10	188.00	185.25	186.46	189.98	193.42	195.87	199.73	204.15	187.70	187.05	187.27	183.62
15	187.71	185.26	186.84	191.20	193.61	196.29	200.15	204.13	185.88	187.52	186.86	182.93
20	187.17	185.49	187.32	192.24	194.02	196.91	200.91	203.70	185.62	187.69	186.24	182.06
25	186.79	185.80	187.91	193.14	194.63	197.80	201.92	191.91	185.61	187.87	185.45	181.44
Eom	185.98	186.01	188.54	193.62	195.17	198.54	202.80	190.27	185.89	187.72	184.81	180.66
1967												
5	180.12	181.35	180.52	184.50	188.79	192.45	193.40	195.06	198.48	199.47	199.30	189.81
10	180.24	181.52	180.70	185.55	189.42	192.55	193.11	195.82	198.88	199.45	195.30	188.77
15	179.66	181.42	181.16	186.52	190.08	193.01	193.00	195.16	199.48	199.45	193.76	187.93
20	180.13	181.24	182.06	187.46	190.82	193.04	193.07	196.58	199.48	199.45	192.69	187.03
25	180.50	180.96	182.80	187.89	191.83	193.41	192.73	197.22	199.47	199.42	191.61	186.35
Eom	180.96	180.87	183.49	188.19	192.15	193.45	194.36	197.96	199.47	199.34	190.69	185.43

322120N1041515.1--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	184.85	180.95	178.17	179.96	.....	.....	.....	192.19	.....	.....	190.39	185.42
10	184.23	180.34	177.67	181.51	.....	.....	.....	192.66	.....	.....	189.70	184.74
15	183.60	179.83	177.95	.....	.....	.....	.....	.....	.....	.....	188.80	183.94
20	182.73	179.30	178.10	.....	.....	.....	190.80	.....	.....	.....	188.11	183.03
25	181.95	179.05	178.26	.....	.....	.....	190.95	.....	.....	191.94	187.13	182.30
Eom	181.32	178.70	178.76	.....	.....	.....	191.61	.....	.....	191.13	186.29	181.68
1969												
5	.....	178.20	177.98	181.21	186.56	190.33	193.35	.....	201.74	197.79	191.11	.....
10	.....	178.35	178.04	182.49	187.43	190.59	194.16	.....	201.22	196.86	189.96	.....
15	.....	178.41	178.34	183.69	187.83	190.99	194.55	.....	200.40	196.31	188.78	.....
20	.....	178.32	178.51	184.76	188.59	191.16	194.55	200.28	199.55	196.06	188.41	.....
25	.....	178.18	179.07	185.50	188.90	191.61	194.55	201.14	198.96	194.63	188.41	.....
Eom	178.25	178.08	180.08	186.22	189.78	192.36	194.55	201.70	198.67	192.33	188.41	.....
1970												
5	180.38	176.08	174.00	177.72	185.47	189.31	192.60	196.31	200.58	197.73	192.77	187.67
10	179.57	176.08	173.74	179.33	186.12	189.98	192.98	196.92	201.41	196.69	192.17	186.74
15	178.90	175.63	173.62	181.12	186.72	190.37	193.29	197.59	200.96	195.63	191.76	185.90
20	178.36	175.50	173.88	182.89	187.27	191.14	193.89	198.64	200.81	195.03	190.60	185.11
25	177.79	174.86	174.83	183.67	187.88	191.52	194.49	198.99	199.92	194.39	189.62	184.57
Eom	177.13	174.44	175.94	184.54	188.48	192.14	195.81	199.79	198.83	193.59	188.78	183.78

e Estimated.

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: 1947-68, 1970. No measurement made in 1969.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1966	60.50	Jan. 23, 1967	57.20	Jan. 23, 1968	54.86	Jan. 20, 1970	50.40
Sept. 22	62.25	Aug. 25	60.78	Aug. 12	58.75	Aug. 10	56.20

322017N1041020.1. Local number 23.27.2.122. Jim Derrick. Drilled irrigation water-table well in alluvium, diam 16 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: 1946-68, 1970. No measurement made in 1969. Jan. 12, 1966, 68.65; Sept. 22, 71.70; Aug. 25, 1967, 71.14; Jan. 24, 1968, 64.36; Aug. 12, 68.83; Jan. 22, 1970, 62.31; Aug. 10, 66.99.

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 4-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: 1947-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1966	58.45	Aug. 25, 1967	57.32	Aug. 12, 1968	55.60	Jan. 22, 1970	49.53
Sept. 22	57.85	Jan. 26, 1968	51.33	Jan. 28, 1969	51.36	Aug. 10	54.06

320602N1042852.1. Local number 25.24.27.421. Walker Hood. 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 55.22 below lsd, Sept. 21, 1966; lowest 85.10 below lsd, Aug. 25, 1967. Records available: 1952-67, 1969-70. No measurement made in 1968; well being pumped. Jan. 26, 1966, 58.51; Sept. 21, 55.22; Aug. 25, 1967, 85.10; Jan. 27, 1969, 56.75; Aug. 12, 66.69; Jan. 12, 1970, 56.26.

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: 1952-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1966	49.99	Aug. 25, 1967	46.53	Jan. 27, 1969	45.57	Jan. 12, 1970	45.63
Sept. 21	42.92	Aug. 12, 1968	45.29	Aug. 12	48.80	Aug. 10	46.01
Jan. 19, 1967	45.87						

Hidalgo County

Viriden Valley

324040N1085920.1. Local number 19.21.2.333. W. O. Clouse. Drilled irrigation water-table well in alluvium, diam 16 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 12.08 below lsd, Feb. 20, 1968; lowest 24.25 below lsd, Nov. 3, 1956. Records available: 1948-64, 1966-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1966	12.82	Oct. 26, 1966	14.24	July 18, 1967	(a)	Mar. 10, 1969	14.44
Apr. 11	12.70	Jan. 19, 1967	14.02	Oct. 28	13.61	Feb. 17, 1970	14.27
July 18	18.02	Apr. 24	14.52	Feb. 20, 1968	12.08		

a Well being pumped.

Animas Valley

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, 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, 1948; lowest 106.45 below lsd, Aug. 12, 1970. Records available: 1948-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1966	83.35	Aug. 9, 1967	c121.25	Jan. 8, 1969	84.78	Jan. 20, 1970	91.46
Aug. 10	c159.57	Jan. 17, 1968	82.61	Aug. 21	c125.00	Aug. 12	106.45
Jan. 17, 1967	84.77	July 17	83.89				

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. Lsd 4,420 ft above msl. MP top edge of 14-in pipe in concrete pumpbase, 1.25 ft above lsd. Highest water level 131.90 below lsd, July 29, 1949; lowest 168.25 below lsd, Aug. 12, 1970. Records available: 1949-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1966	159.24	Aug. 9, 1967	163.39	Jan. 10, 1969	162.42	Jan. 22, 1970	163.09
Aug. 9	161.89	Jan. 19, 1968	159.24	Aug. 26	166.07	Aug. 12	168.25
Jan. 19, 1967	159.89	July 17	160.47				

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 dry, Aug. 12, 1970. Records available: 1949-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1966	25.56	Aug. 9, 1967	28.03	Jan. 10, 1969	22.80	Jan. 22, 1970	25.55
Aug. 9	32.96	Jan. 19, 1968	29.44	Aug. 26	27.53	Aug. 12	(f)
Jan. 19, 1967	27.85	July 17	25.53				

f Dry.

Playas Valley

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, 1956-66. Measurement discontinued 1966. Jan. 10, 1966, 106.21.

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, cased to 5. 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 33.72 below lsd, Aug. 13, 1969. Records available: 1949-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1966	32.83	Aug. 29, 1967	32.62	Jan. 17, 1969	32.67	Jan. 7, 1970	32.95
Sept. 28	32.80	Jan. 4, 1968	32.74	Aug. 13	33.72	Aug. 26	33.05
Jan. 5, 1967	32.60	Aug. 22	32.73				

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 25, 1951, Jan. 9, May 24, 1952; lowest 45.86 below lsd, Jan. 16, 1969. Records available: 1929-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 9, 1966	45.08	Aug. 29, 1967	45.27	Jan. 16, 1969	45.86	Jan. 7, 1970	45.49
Sept. 27	45.39	Jan. 4, 1968	45.63	Aug. 13	45.80	Aug. 26	45.60
Jan. 5, 1967	45.18	Aug. 22	45.67				

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 63.29 below lsd, Aug. 22, 1968. Records available: 1929-68. No measurement made in 1969-70. Feb. 16, 1966, 57.54; Sept. 28, 58.01; Jan. 3, 1967, 58.32; Aug. 29, 58.86; Aug. 22, 1968, 63.29.

325752N1032335.1. Local number 16.36.5 Lot 2. Miss Ethel Yadon. Drilled unused water-table well in Ogallala Formation (previously reported 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 shelf, 2.95 ft above lsd. Highest water level 53.83 below lsd, May 4, 1957 (previously reported Mar. 14, 1957); lowest 63.45 below lsd, July 31, 1969. Records available: 1956-70. Recording gage removed September 1966; re-installed May 9, 1969.

325752N1032335.1--Continued.

Highest water level for the day, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e60.17	60.22	60.18	h60.11	60.16	60.19	60.23	60.30	60.33	.....	.....	.....
10	e60.18	60.17	60.18	60.14	60.15	60.18	60.24	60.32	60.30	.....	.....	.....
15	60.18	60.16	60.19	60.13	60.16	60.20	60.25	60.32	.....	.....	.....	.....
20	60.20	60.17	60.18	60.13	60.16	60.21	60.26	60.35	.....	.....	.....	.....
25	60.22	60.16	60.18	60.15	60.17	60.22	60.27	60.32	.....	.....	.....	.....
Eom	60.22	60.18	60.20	60.15	60.18	60.23	60.28	60.34	.....	.....	.....	.....

1969

5	.....	.....	.....	.....	.....	62.33	63.13	63.28	60.76	60.36	60.27	e60.25
10	.....	.....	.....	.....	62.60	62.30	62.23	60.20	60.62	60.31	60.25	60.28
15	.....	.....	.....	.....	62.53	62.28	63.26	60.70	60.55	60.31	60.20	60.27
20	.....	.....	.....	.....	62.48	62.23	63.29	60.89	60.50	60.30	60.25	60.26
25	.....	.....	.....	.....	62.44	62.55	63.18	61.03	60.48	60.30	60.19	60.25
Eom	.....	.....	.....	.....	62.37	63.04	63.45	60.94	60.38	60.28	60.20	60.22

1970

5	59.99	59.58	59.51	59.49	60.28	59.96	59.96	60.38	60.87	60.36	60.18	61.62
10	59.63	59.57	59.51	60.79	60.16	59.94	59.96	60.82	60.82	60.33	60.16	61.24
15	59.62	59.56	59.51	59.33	60.10	59.93	59.96	60.88	60.67	60.31	60.13	61.02
20	59.62	59.53	59.49	59.32	60.00	59.93	59.98	60.66	60.55	60.29	60.30	60.89
25	59.60	59.53	59.49	60.50	60.02	58.94	59.99	60.49	60.46	60.25	61.07	60.75
Eom	59.59	59.52	59.49	60.40	59.98	59.94	59.99	60.89	60.41	60.22	61.55	60.65

e Estimated.

h Tape measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1967	h60.47	July 20, 1967	h61.55	Jan. 20, 1968	h60.25	July 20, 1968	h59.83
Feb. 20	h60.49	Aug. 20	h62.77	Feb. 20	h60.18	Aug. 20	h59.86
Mar. 20	h60.46	Sept. 20	h61.07	Mar. 20	h60.09	Sept. 20	h59.74
Apr. 20	h61.04	Oct. 20	h60.83	Apr. 20	h60.02	Oct. 20	h59.66
May 20	h60.84	Nov. 20	h60.74	May 20	h59.93	Nov. 20	h59.63
June 20	h60.78	Dec. 20	h60.34	June 20	h59.86	Dec. 20	h59.57

h Tape measurement.

325658N1032000.1. Local number 16.37.11.111. H. J. Taylor. 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: 1949-70.

Feb. 11, 1966	70.97	Aug. 29, 1967	76.63	Jan. 16, 1969	67.79	Jan. 6, 1970	69.10
Sept. 29	75.22	Jan. 3, 1968	70.05	Aug. 13	72.27	Aug. 26	(a)
Jan. 4, 1967	70.22	Aug. 22	73.17				

a Well being pumped.

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 161.38 below lsd, Aug. 13, 1969. Records available: 1952-70. Equipped with recording gage.

Feb. 7, 1966	159.74	Aug. 29, 1967	160.20	Jan. 6, 1969	160.95	Jan. 5, 1970	161.08
Sept. 27	159.68	Aug. 22, 1968	160.87	Aug. 13	161.38	Aug. 25	161.20

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: 1951-70.

Feb. 2, 1966	54.93	Aug. 29, 1967	(a)	Aug. 22, 1968	61.11	Jan. 6, 1970	56.46
Sept. 29	55.51	Jan. 5, 1968	55.03	Jan. 16, 1969	55.06	Aug. 26	(a)
Jan. 5, 1967	53.69						

a 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 1/4-in hole in pumpbase, 0.54 ft above lsd. Highest water level 24.78 below lsd, Jan. 15, 1944; lowest 43.61 below lsd, Jan. 6, 1970. Records available: 1943-70.

Feb. 10, 1966	38.51	Aug. 29, 1967	38.90	Aug. 22, 1968	41.20	Jan. 6, 1970	43.61
Sept. 29	38.68	Jan. 5, 1968	40.32	Jan. 16, 1969	41.53	Aug. 26	43.33
Jan. 5, 1967	39.22						

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, 1958; lowest 40.52 below lsd, Aug. 6, 1969. Records available: 1955-70.

333015N1053822.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1966	25.68	Aug. 28, 1967	32.83	Jan. 23, 1969	29.68	Feb. 3, 1970	31.17
Sept. 27	29.15	Jan. 18, 1968	32.02	Aug. 6	40.52	Aug. 10	38.55
Jan. 20, 1967	30.04	Aug. 5	32.53				

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, 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 41.58 below lsd, Jan. 18, 1968; lowest 69.77 below lsd, Nov. 28, 1956. Records available: 1955-70.

Jan. 4, 1966	43.43	Aug. 25, 1967	47.34	Jan. 23, 1969	41.83	Feb. 3, 1970	42.00
Sept. 27	42.38	Jan. 18, 1968	41.58	Aug. 6	42.46	Aug. 10	44.18
Jan. 20, 1967	41.99	Aug. 5	41.78				

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, diam 8 in, depth 140 ft, casing information not available. Lsd 5,575 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 121.57 below lsd, Jan. 26, 1956; lowest 126.52 below lsd, Jan. 27, 1965. Records available: 1955-65, 1967-70. No measurement made in 1966. Jan. 20, 1967, 124.78; Jan. 18, 1968, 125.25; Jan. 23, 1969, 125.38; Feb. 3, 1970, 124.18.

332145N1053330.1. 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 not available. 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 63.75 below lsd, Aug. 10, 1970. Records available: 1955-70.

Jan. 4, 1966	58.21	Aug. 25, 1967	57.48	Jan. 23, 1969	59.11	Feb. 3, 1970	59.32
Sept. 27	60.03	Jan. 18, 1968	58.79	Aug. 6	60.58	Aug. 10	63.75
Jan. 21, 1967	58.40	Aug. 5	57.95				

332157N1050941.1. Local number 11.18.16.444. Lincoln County Livestock Co. 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 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: 1955-70.

Jan. 4, 1966	57.34	Aug. 25, 1967	58.07	Jan. 23, 1969	56.53	Feb. 3, 1970	51.57
Sept. 27	54.25	Jan. 18, 1968	54.38	Aug. 6	59.71	Aug. 10	54.34
Jan. 20, 1967	51.86	Aug. 5	53.64				

332002N1050442.1. Local number 11.19.20.344. Lincoln County Livestock Co. 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 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 127.85 below lsd, Aug. 6, 1969; lowest 142.10 below lsd, Sept. 19, 1963. Records available: 1955-69. No measurement made in 1970.

Jan. 4, 1966	130.50	Jan. 20, 1967	131.20	Jan. 18, 1968	129.71	Jan. 23, 1969	129.19
Sept. 27	129.34	Aug. 25	130.89	Aug. 5	129.03	Aug. 6	127.85

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 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 135.90 below lsd, Feb. 3, 1970; lowest 155.06 below lsd, Aug. 10, 1970. Records available: 1955-64, 1966-70.

Jan. 6, 1966	144.83	Aug. 25, 1967	145.13	Jan. 23, 1969	142.48	Feb. 3, 1970	135.90
Jan. 20, 1967	138.22	Aug. 5, 1968	146.13	Aug. 6	147.82	Aug. 10	155.06

Luna County

Mimbres Valley

323110N1072350.1. Local number 20.5.31.334. Leonard Farms. Formerly Jack Carter. Drilled irrigation water-table well in valley fill, diam 16 in, depth 421 ft, perforated 221-421. Lsd 4,486.6 ft 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 84.20 below lsd, Aug. 17, 1970. Records available: 1959-70.

Jan. 25, 1966	61.11	Jan. 23, 1968	73.08	Jan. 16, 1969	82.88	Jan. 14, 1970	81.92
Feb. 2, 1967	68.57	July 20	68.67	Aug. 29	a89.50	Aug. 17	84.20
Aug. 8	(a)						

a Well being pumped.

322930N1072210.1. Local number 21.5.8.444. Leonard Farms. Formerly 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 131.40 below lsd, Aug. 17, 1970. Records available: 1961-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1966	107.44	Aug. 8, 1967	(a)	Jan. 17, 1969	119.08	Jan. 14, 1970	123.56
Aug. 18	114.20	Jan. 23, 1968	115.55	Aug. 29	127.00	Aug. 17	131.40
Feb. 2, 1967	113.23	July 20	114.20				

a Well being pumped.

b Well pumped recently.

321352N1074939.1. Local number 24.10.12.431. Steve Hrna. Dug and drilled unused water-table well in valley fill, diam 36 in to 12 in, reported depth 132 ft, cased. Lsd not available. MP top of recorder-shelter shelf, 1.36 ft above lsd. Highest water level 77.61 below lsd, May 6-13, 1940; lowest 112.07 below lsd, July 31, 1966. Records available: 1939-70.

Highest water level for the day, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	106.91	107.03	107.46	109.85	110.85	111.35	111.61	111.90	111.99	110.58	108.29	106.99
10	106.91	106.93	107.44	109.94	110.98	111.44	111.73	111.58	111.84	110.10	107.93	107.14
15	107.16	106.64	107.82	110.04	111.04	111.57	111.85	111.68	111.41	109.72	107.57	106.93
20	107.31	106.56	108.59	110.15	111.16	111.62	111.98	111.99	111.20	109.39	107.30	106.48
25	107.31	106.67	109.35	110.34	111.13	111.63	111.96	111.90	110.93	109.30	107.13	106.27
Eom	107.05	107.06	109.79	110.56	111.32	111.69	112.07	111.76	110.90	108.62	106.90	106.09

1967

5	105.68	106.11	107.13	108.82	108.80	e109.52	e109.64	109.66	109.31	107.61	106.10	104.94
10	105.74	106.03	108.05	108.82	108.98	109.56	109.58	109.57	109.01	107.23	106.01	104.49
15	105.44	106.17	108.33	108.77	109.11	109.59	109.42	109.36	108.71	107.04	105.81	104.43
20	105.62	106.37	108.30	108.70	109.35	109.60	109.50	109.35	108.34	106.99	105.41	104.43
25	105.67	106.54	108.53	108.67	109.40	109.63	109.61	109.46	108.29	106.79	105.03	104.64
Eom	105.81	106.76	108.85	108.65	109.54	109.65	109.49	109.42	108.05	106.33	105.02	104.49

1968

5	104.49	104.43	104.94	107.11	108.59	109.45	109.97	110.51	110.94	110.28	108.73	107.42
10	104.43	104.43	104.93	107.54	108.65	109.63	109.85	110.60	.....	110.08	108.50	107.37
15	104.43	104.43	105.25	107.52	108.96	109.70	109.79	110.67	.....	109.79	108.30	107.17
20	104.43	104.43	105.39	107.63	109.10	109.77	110.05	110.88	.....	109.55	108.11	106.95
25	104.43	104.43	105.75	107.81	109.36	109.82	110.40	111.00	.....	109.37	107.87	106.98
Eom	104.43	104.88	106.47	108.25	109.34	109.89	110.56	110.93	.....	109.02	107.72	107.05

1969

5	106.97	106.34	107.62	109.95	110.44	110.89	111.51	111.54	111.61	110.22	108.73	107.53
10	106.80	106.40	107.62	110.23	110.50	110.83	111.54	111.75	111.35	109.86	108.52	107.54
15	106.64	106.74	107.91	110.37	110.49	110.92	111.30	111.75	111.10	109.71	108.29	107.42
20	106.53	106.93	108.45	110.62	110.41	111.07	111.18	111.80	110.81	109.52	108.14	107.29
25	106.50	107.25	109.11	110.34	110.61	111.16	111.18	111.84	110.64	109.28	107.99	107.31
Eom	106.48	107.40	109.51	110.39	110.90	111.38	111.31	111.81	110.33	108.98	107.81	107.23

1970

5	.....	.....	.....	.....	111.06	111.32	111.67	111.53	111.21	109.82	108.27	107.14
10	.....	.....	.....	.....	111.07	111.25	111.62	111.55	111.13	109.52	108.01	106.99
15	107.02	.....	.....	.....	111.30	111.35	111.72	111.46	110.90	109.39	107.93	106.90
20	107.02	.....	.....	.....	111.39	111.51	111.76	111.38	110.67	109.02	107.69	106.94
25	106.88	.....	.....	.....	110.95	111.41	111.53	111.72	111.34	108.45	107.38	106.81
Eom	.....	.....	.....	111.08	111.34	111.61	111.40	111.30	110.12	108.51	107.25	e106.73

e Estimated.

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: 1951-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1966	163.64	Aug. 8, 1967	178.25	Jan. 15, 1969	170.85	Jan. 15, 1970	177.22
Aug. 15	175.47	Jan. 23, 1968	167.27	Aug. 26	175.96	Aug. 12	(a)
Jan. 23, 1967	165.15	July 17	165.02				

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 not available. MP top of casing, 1.30 ft above lsd. Highest water level 0.45 below lsd, Mar. 14, 1953; lowest 65.25 below lsd, Aug. 12, 1970. Records available: 1952-70.

Jan. 15, 1966	33.99	Aug. 8, 1967	42.79	Jan. 16, 1969	22.52	Jan. 27, 1970	33.79
Aug. 17	63.90	Jan. 24, 1968	22.10	Aug. 26	25.03	Aug. 12	65.25
Feb. 1, 1967	23.96	July 17	21.58				

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 4,084.22 ft above msl. MP hole in pumpbase, 1.20 ft above lsd (since Jan. 15, 1966). Highest water level 65.34 below lsd, Mar. 14, 1953; lowest 122.16 below lsd, Aug. 13, 1970. Records available: 1953-70.

Jan. 15, 1966	87.66	Aug. 8, 1967	104.42	Jan. 16, 1969	89.55	Jan. 27, 1970	89.99
Aug. 17	116.89	Jan. 24, 1968	88.01	Aug. 26	106.45	Aug. 13	122.16
Feb. 1, 1967	87.60	July 17	88.05				

315525N1073745.1. Local number 27.8.35.122. Mrs. M. M. Gibson. Drilled unused (previously reported 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, 0.20 ft above lsd (since January 1966). Highest water level 20.84 below lsd, Mar. 16, 1953; lowest 91.90 below lsd, Aug. 12, 1970. Records available: 1952-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1966	58.28	Aug. 8, 1967	87.02	July 17, 1968	63.53	Jan. 12, 1970	69.45
Aug. 16	81.29	Jan. 18, 1968	63.33	Aug. 26, 1969	68.53	Aug. 12	91.90
Jan. 26, 1967	60.44						

315905N1074250.1. Local number 27.9.1.431. I. G. Burns. 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 44.35 below lsd, Aug. 12, 1970. Records available: 1954-70.

Jan. 17, 1966	34.71	Aug. 8, 1967	35.00	Jan. 14, 1969	35.58	Jan. 14, 1970	43.10
Aug. 16	35.60	Jan. 18, 1968	35.45	Aug. 26	35.53	Aug. 12	44.35
Jan. 25, 1967	35.07	July 17	35.50				

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 80.28 below lsd, Aug. 8, 1967. Records available: 1952-67. Well destroyed; replaced by well 28.8.36.411. Jan. 14, 1966, 53.16; Aug. 16, 76.08; Jan. 25, 1967, 51.26; Aug. 8, 80.28.

314938N1073714.1. Local number 28.8.36.411. M. R. Hemley. Drilled domestic and irrigation water-table well in valley fill, diam 16 in, depth 250 ft, cased to 250. Lsd 4,008 ft above msl. MP top of casing, 1.85 ft above lsd. Highest water level 16.67 below lsd, Aug. 26, 1969; lowest 27.85 below lsd, Jan. 14, 1966. Records available: 1961-70. Replaces well 28.8.36.111.

Jan. 12, 1961	32.45	Jan. 15, 1965	27.82	Jan. 17, 1968	18.96	Aug. 26, 1969	16.67
Jan. 22, 1962	31.25	Jan. 14, 1966	27.85	Aug. 17	17.45	Jan. 12, 1970	19.06
Jan. 18, 1963	26.80	Jan. 25, 1967	21.79	Jan. 13, 1969	18.19	Aug. 12	20.16
Jan. 16, 1964	28.19						

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 111.87 below lsd, Aug. 26, 1968. Records available: 1952-70.

Jan. 12, 1966	100.30	Aug. 7, 1967	110.14	Jan. 9, 1969	103.62	Jan. 9, 1970	105.60
July 20	(a)	Jan. 26, 1968	101.80	Aug. 28	all 15.00	Aug. 13	b120.15
Jan. 10, 1967	100.87	Aug. 26	111.87				

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 80.54 below lsd, Aug. 28, 1967. Records available: 1955-70.

Jan. 12, 1966	69.02	Aug. 28, 1967	80.54	Aug. 26, 1968	74.40	Jan. 9, 1970	72.90
July 20	68.04	Jan. 26, 1968	71.59	Aug. 28, 1969	b81.40	Aug. 15	71.00
Jan. 9, 1967	67.90						

b Well pumped recently.

320125N1051255.1. Local number 26.17.21.333. Bryce Dugger. Drilled unused (previously reported irrigation) artesian well in Bone Spring Limestone of Permian age (Leonard Series), diam 18 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 205.95 below lsd, Aug. 28, 1967. Records available: 1956-68. No measurement made in 1969-70. Jan. 27, 1966, 195.37; Jan. 24, 1967, 193.28; Aug. 28, 205.95; Jan. 23, 1968, 196.56; Aug. 27, (well being pumped).

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 47.42 below lsd, Jan. 15, 1970. Records available: 1956-70. Jan. 27, 1966, 44.85; Jan. 24, 1967, 42.94; Aug. 28, (well being pumped); Jan. 23, 1968, 44.91; Jan. 9, 1969, 46.43; Jan. 15, 1970, 47.42.

Quay County

House Area

343810N1034630.1. Local number 5.30.18.331. 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. 28, 1946; lowest 51.49 below lsd, Aug. 11, 1969. Records available: 1944-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1966	44.25	Aug. 8, 1967	51.41	Jan. 15, 1969	47.60	Jan. 9, 1970	45.85
Sept. 26	48.40	Feb. 23, 1968	46.02	Aug. 11	51.49	Aug. 27	51.07
Jan. 5, 1967	46.11	Aug. 5	(a)				

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 108.19 below lsd, Feb. 16, 1968. Records available: 1944-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1966	90.35	Aug. 8, 1967	101.77	Jan. 15, 1969	107.70	Jan. 9, 1970	92.60
Sept. 26	(a)	Feb. 16, 1968	108.19	Aug. 11	92.75	Aug. 27	106.39
Jan. 5, 1967	92.91	Aug. 5	(a)				

a Well being pumped.

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 23.86 below lsd, Aug. 7, 1968. Records available: 1953-70. Jan. 1, 1966, 20.27; Mar. 3, 1967, 22.94; Aug. 7, 23.17; Jan. 5, 1968, 23.44; Aug. 7, 23.86; Aug. 12, 1969, 22.20; Aug. 26, 1970, 22.72.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1966	68.83	Jan. 4, 1968	68.55	Jan. 8, 1969	69.04	Jan. 7, 1970	69.09
Sept. 27	68.93	Aug. 6	68.60	Aug. 11	72.76	Aug. 26	70.57
Aug. 8, 1967	66.97						

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 82.14 below lsd, Aug. 27, 1970. Records available: 1931-70. Equipped with recording gage.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1966	76.95	Aug. 7, 1967	79.85	Jan. 7, 1969	80.07	Jan. 8, 1970	81.07
Sept. 15	79.62	Jan. 5, 1968	78.98	Aug. 12	82.06	Aug. 27	82.14
Jan. 4, 1967	78.43	Aug. 6	80.50				

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 21.08 below lsd, Sept. 14, 1966. Records available: 1940-66. Measurement discontinued 1967. Jan. 6, 1966, 20.86; Sept. 14, 21.08.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1966	37.44	Aug. 8, 1967	(a)	Jan. 8, 1969	39.83	Jan. 6, 1970	39.61
Sept. 16	39.94	Jan. 5, 1968	38.82	Aug. 11	49.26	Aug. 27	(a)
Jan. 4, 1967	40.45	Aug. 6	(a)				

a Well being pumped.

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 3/4-in hole in pumpbase, 1.30 ft above lsd. Highest water level 27.09 below lsd, Mar. 14, 1962; lowest 55.95 below lsd, Aug. 27, 1970. Records available: 1959-67, 1969-70. No measurement made in 1968. Jan. 5, 1966, 39.15; Jan. 4, 1967, 43.15; Aug. 8, 44.65; Aug. 12, 1969, 53.43; Aug. 27, 1970, 55.95.

Causey-Lingo Area

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 97.51 below lsd, Aug. 31, 1967. Records available: 1956-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3, 1966	94.28	Aug. 31, 1967	97.51	Jan. 21, 1969	93.98	Feb. 19, 1970	94.34
Oct. 10	94.75	Jan. 16, 1968	96.08	Aug. 12	(a)	Aug. 26	(a)

a Well being pumped.

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 not available. 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 116.34 below lsd, Aug. 4, 1967. Records available: 1950-70.

Feb. 17, 1966	104.05	Aug. 4, 1967	116.34	Feb. 26, 1969	110.05	Feb. 18, 1970	110.74
Aug. 4	(a)	Feb. 15, 1968	107.71	Aug. 4	a181.55	Aug. 17	(a)
Feb. 15, 1967	106.41	Aug. 14	110.68				

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 92.50 below lsd, Aug. 17, 1970. Records available: 1949-70.

Feb. 17, 1966	74.20	Aug. 4, 1967	91.10	Feb. 26, 1969	83.95	Feb. 18, 1970	80.94
Aug. 4	87.42	Feb. 2, 1968	77.77	Aug. 4	a93.05	Aug. 17	92.50
Feb. 15, 1967	76.58	Aug. 14	79.15				

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 and Tesuque(?) Formation of Santa Fe Group, 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 253.27 below lsd, Aug. 10, 1970; lowest 272.06 below lsd, Aug. 10, 1966. Records available: 1951, 1953-70.

Feb. 17, 1966	257.05	Feb. 28, 1967	259.76	Aug. 9, 1968	256.00	Feb. 2, 1970	253.81
Apr. 20	259.50	Aug. 14	257.61	Feb. 6, 1969	255.08	Aug. 10	253.27
Aug. 10	272.06	Feb. 5, 1968	259.21	Aug. 8	254.33		

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 Permian age, diam 7 in, depth 105 ft, casing information not available. 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: 1940-70. Recording gage removed July 1970.

Highest water level for the day, above and below lsd, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	-0.78	+0.02	+0.80	+0.55	+0.69	+0.67	+0.49	+0.62	+0.76	e-0.39	-0.54	-0.47
10	.32	.16	.81	.55	.74	.63	.47	.57	+.88	.40	...	.52
15	.35	.63	.74	.54	.75	.65	.45	.56	-.48	.44	.50	.52
20	.33	.73	.68	.55	.72	.56	.40	.74	.56	.47	.50	.52
25	.29	.75	.66	.55	.70	.50	.39	.74	.32	.49	.47	.51
Eom	-.22	.79	.69	.62	.70	.56	.67	.74	.40	.46	.58	.55
1967												
5	-0.49	-0.26	-0.74	+0.11	+0.06	+0.24	+0.27	+0.19	+0.61	+0.20	+0.20	+0.38
10	.56	.41	.78	.13	.24	.28	.34	.28	.48	.20	.30	.34
15	.54	.47	-.76	.13	.12	.27	.34	.31	.30	.19	.29	.33
20	.53	.44	+.53	.01	.08	.12	.22	.30	.22	.19	.32	.47
25	.50	.55	.46	.05	.08	.18	.18	.30	.24	.40	.31	.40
Eom	.25	.55	.42	.03	.10	.30	.21	.32	.20	.31	.45	.35

330800N1071450.1--Continued.

1968												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+0.34	+0.24	+0.61	+0.91	+1.08	+0.98	+0.99	+0.85	-0.33	....	....	....
10	.33	.25	.76	.86	1.00	.97	.86	-.33	.16	....	....	....
15	.33	.25	.76	.74	1.00	.96	.77	.32	.18	....	-0.43	-0.42
20	.28	.28	.83	.77	.98	.96	.70	....	....	....	.42	.34
25	.30	.24	.89	.69	1.00	.97	.61	.40	....	....	.40	.38
Eom	.29	.24	.93	1.05	.98	.94	.80	.40	....	....	....	.37
1969												
5	-0.34	-0.30	+0.00	+0.10	+0.00	+0.36	+0.44	+0.20	-0.20	-0.24	-0.22	-0.28
10	.32	.34	.34	.32	.42	.42	.45	+1.10	.18	.32	.25	.22
15	.28	.24	.34	.32	.42	.40	.43	.00	.25	.35	.20	.24
20	.29	.10	.34	.33	.40	....	.38	-.02	.22	.35	.28	.25
25	.34	-.01	.25	.34	.37	.40	.45	.04	.21	.20	.29	.22
Eom	.30	+0.2	.28	.32	.37	.40	.44	.05	.20	.28	.36	.28
1970												
5	+0.32	+0.21	....	+0.22	....	+0.30	+0.37	....	....	....	....	....
10	.38	.19	+0.17	.22	+0.20	.36	.39	....	....	....	....	....
15	.44	.18	.21	.18	.22	.31	....	....	....	....	....	....
20	.47	.21	.29	.14	.19	.34	....	....	....	....	....	....
25	.39	.10	.33	.16	.21	.35	....	....	....	....	....	....
Eom	.37	.08	.22	.17	.27	.36	....	....	....	....	....	....

e Estimated.

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: 1941-66. Measurement discontinued.

Highest water level for the day, above and below lsd, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	-2.21	-2.01	-2.52	-2.64	....	....	....	....	....	....	....	....
10	2.21	2.22	2.58	2.66	....	....	....	....	....	....	....	....
15	-2.26	2.34	2.62	2.64	....	....	....	....	....	....	....	....
20	+0.84	2.39	2.61	2.63	....	....	....	....	....	....	....	....
25	-1.06	2.43	2.64	....	....	....	....	....	....	....	....	....
Eom	1.93	2.45	2.66	....	....	....	....	....	....	....	....	....

Rincon Valley

325350N1071755.1. Local number 1S.73.25.211. U.S. Government. Drilled unused water-table well in alluvium 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, 1957-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1966	25.95	Aug. 10, 1967	23.56	Jan. 6, 1969	21.70	Jan. 6, 1970	24.09
July 16	25.15	Jan. 22, 1968	23.49	Aug. 25	23.50	Aug. 27	24.47
Jan. 3, 1967	24.27	July 16	23.91				

Taos County

Sunshine Valley

365655N1053540.1. Local number 1S.73.19.422. Spring Bros. Drilled unused water-table well in Santa Fe Group, 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, 1967-70. No measurement made in 1966. Feb. 10, 1967, 202.16; Mar. 26, 1968, 203.04; Mar. 12, 1969, 204.92; Jan. 27, 1970, 210.16.

365610N1053755.1. Local number 2S.74.11.222. Top O'The World Farms, Inc. Drilled irrigation water-table well in Santa Fe Group, diam 16 in, depth 435 ft, casing information not available. Lsd 7,554 ft above msl. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 229.82 below lsd, Feb. 10, 1967; lowest 232.14 below lsd, Aug. 3, 1966. Records available: 1966-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7, 1966	231.46	Feb. 10, 1967	229.82	Mar. 21, 1968	229.85	Mar. 11, 1969	230.94
Aug. 3	232.14	Aug. 14	230.54	Aug. 27	229.88	Jan. 27, 1970	231.05

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 95.03 below lsd, Feb. 17, 1970. Records available: 1950-70. Feb. 16, 1966, 87.74; Aug. 3, 88.03; Feb. 14, 1967, 87.99; Feb. 26, 1968, 93.60; Feb. 25, 1969, 92.94; Feb. 17, 1970, 95.03; Sept. 21 (well being pumped).

344016N1060647.1. Local number 5.8.8.424. A. T. Austin. Drilled irrigation water-table well in valley fill, diam 16 in (previously reported 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 98.65 below lsd, Aug. 3, 1966. Records available: 1948-70. Feb. 16, 1966, 91.87; Aug. 3, 98.65; Feb. 14, 1967, 95.45; Feb. 26, 1968, 95.05; Feb. 25, 1969, 95.99; Feb. 17, 1970, 97.42.

344234N1060749.1. Local number 6.8.32.212. Revis Strong. Drilled irrigation water-table well in valley fill, diam 18 in, reported depth 209 ft, cased to 84. Lsd 6,165 ft above msl. MP top of 14-in hole in pumpbase, 0.04 ft above lsd. Highest water level 23.22 below lsd, Feb. 18, 1947; lowest 55.64 below lsd, Sept. 21, 1970. Records available: 1947-70. Feb. 16, 1966, 46.36; Aug. 3, 48.60; Feb. 15, 1967, 47.89; Feb. 26, 1968, 48.79; Feb. 25, 1969, 48.49; Feb. 17, 1970, 51.38; Sept. 21, 55.64.

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: 1949-70. Feb. 17, 1966, 9.58; Aug. 3, 10.35; Feb. 15, 1967, 9.98; Feb. 26, 1968, 11.60; Feb. 25, 1969, 12.42; Feb. 17, 1970, 8.17; Sept. 21, 17.60 (nearby well being pumped).

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 98.51 below lsd, Sept. 28, 1970. Records available: 1947-70. Feb. 17, 1966, 87.52; Aug. 4, 93.50; Feb. 15, 1967, 91.79; Feb. 27, 1968, 92.42; Feb. 26, 1969, 93.23; Feb. 18, 1970, 92.17; Sept. 28, 98.51.

Union County

Capulin Basin

364430N1035955.1. Local number 29.28.18.341. City of Raton. 300 ft north of U.S. Highway 64-87 (previously reported 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. Highest water level 30.80 below lsd, Feb. 3, 1960; lowest 33.98 below lsd, Feb. 8, 1967. Records available: 1951, 1957-70. Aug. 17, 1966, 33.40; Feb. 8, 1967, 33.98; Aug. 28, 32.72; Jan. 31, 1968, 32.55; Feb. 25, 1969, 32.48; Feb. 3, 1970, 33.10.

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 4-in hole in pumpbase, 1.00 ft above lsd. Highest water level 22.15 below lsd, Apr. 2, 1968; lowest 32.77 below lsd, Aug. 23, 1966. Records available: 1952-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 9, 1966	24.17	Aug. 3, 1967	30.23	Feb. 12, 1969	28.47	Feb. 16, 1970	28.75
Aug. 23	32.77	Apr. 2, 1968	22.15	Aug. 5	30.68	Aug. 18	28.49
Feb. 21, 1967	28.14	July 29	30.55				

350925N1075230.1. Local number 11.10.27.241. 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. 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: 1953-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 9, 1966	27.10	Aug. 3, 1967	27.95	Feb. 12, 1969	28.54	Feb. 16, 1970	27.84
Aug. 23	27.25	Apr. 2, 1968	25.61	Aug. 5	29.44	Aug. 18	33.23
Feb. 21, 1967	25.78	July 29	28.65				

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 ms1. 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, 1946-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 23, 1966	100.60	Aug. 3, 1967	95.93	July 29, 1968	98.80	Aug. 5, 1969	98.28
Feb. 21, 1967	93.80	Apr. 3, 1968	94.56	Feb. 12, 1969	96.99	Feb. 16, 1970	95.95

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 ms1. 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: 1946-70. Recording gage removed March 1966; re-installed October 1968. May 20, 1966, 150.40 (estimated); Aug. 20, 145.81 (estimated); Aug. 5, 1967, 146.66; Feb. 20, 147.29; Apr. 5, 1968, 149.30; July 31, 153.44.

Highest water level for the day, from recorder graph, 1966

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	150.28	.....	150.58	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	150.33	150.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	150.73	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	.....	150.86	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	.....	150.66	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	.....	150.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

1968

5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	151.70	150.96
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	159.52	151.49	150.93
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	152.40	151.23	150.85
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	152.34	151.27	150.82
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	152.16	151.07	150.70
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	151.85	151.04	150.59

1969

5	150.65	150.51	153.90	153.61	152.50	151.52	148.44	147.94	147.69	147.83	150.30	150.40
10	150.43	150.31	153.93	153.53	152.38	151.17	148.40	147.94	147.81	149.08	150.31	150.53
15	150.59	154.22	153.97	153.16	152.21	149.25	148.20	147.91	147.72	149.09	150.31	150.88
20	150.57	154.09	153.87	153.00	152.15	149.13	148.15	147.77	147.74	150.09	150.61	150.86
25	150.44	154.08	153.83	152.70	152.14	148.75	148.01	147.65	147.83	150.19	150.63	150.68
Eom	150.37	154.04	153.68	152.63	151.62	148.66	147.96	147.69	147.85	150.21	150.61	150.68

1970

5	150.62	150.73	150.58	150.63	150.93	151.66	152.33	152.87	153.39	153.98	154.30	.....
10	150.72	150.82	150.40	150.59	150.94	151.59	152.31	152.98	153.63	153.96	.....	.....
15	150.64	150.64	150.57	150.43	151.26	151.79	152.38	153.02	153.60	154.18	.....	.....
20	150.85	150.83	150.61	150.44	151.24	151.83	152.61	153.06	153.68	154.20	.....	.....
25	150.73	150.83	150.54	150.60	151.46	152.11	152.71	153.19	153.82	154.11	.....	.....
Eom	150.66	150.66	150.37	150.69	151.43	152.12	152.73	153.48	153.95	154.31	.....	.....

351650N1075350.1. Local number 12.11.9.424. George Rowley. Drilled unused artesian well in San Andres Limestone and Yeso Formation of Permian age, diam 16 in, reported depth 505 ft, cased 16-in to 175, 12-in to 325. Lsd 6,642 ft above ms1. 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: 1946-70.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 9, 1966	125.50	Aug. 3, 1967	120.42	Feb. 12, 1969	124.15	Feb. 16, 1970	122.39
Aug. 22	119.98	Apr. 2, 1968	124.63	Aug. 5	120.60	Aug. 18	123.20
Feb. 20, 1967	120.53	July 29	122.77				

351610N1075145.1. Local number 12.11.14.213. Duane Berryhill. Drilled unused water-table well in alluvium of Quaternary age, diam 4 in, depth 130 ft, surface casing 5 ft. Lsd 6,605.4 ft above ms1. MP top of 4-in downspout, 3.70 ft above lsd (since February 10, 1966). Highest water level 85.83 below lsd, Aug. 3, 1967; lowest 101.39 below lsd, June 10, 1954. Records available: 1949-70.

Feb. 10, 1966	90.85	Aug. 3, 1967	85.83	Feb. 14, 1969	91.57	Feb. 16, 1970	90.43
Aug. 22	90.45	Apr. 2, 1968	92.32	Aug. 5	91.28	Aug. 18	91.14
Feb. 20, 1967	90.50	July 29	91.49				

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Note.--Measurements were discontinued in 1965 for the following wells:

- Chaves County, Roswell Basin - 332715N1043123.1. - Local number 10.24.9.333.
 Do. do. - 331524N1042451.1. - Local number 12.25.23.113.
 Do. do. - 330445N1042310.1. - Local number 14.26.30.111.
 Eddy County, Carlsbad Area - 320627N1042817.1. - Local number 25.24.26.121.
 Lincoln County, Hondo Valley - 332240N1051517.1. - Local number 11.17.10.211.
 Luna County, Mimbres Valley - 321430N1073350.1. - Local number 24.7.4.424.
 Do. do. - 321505N1073350.1. - Local number 24.8.4.111.
 Roosevelt County, Causey-Lingo Area - 335230N1030625.1. - Local number 5.37.18.311a.
 Santa Fe County, Santa Fe Area - 354040N1055710.1. - Local number 17.9.23.334.