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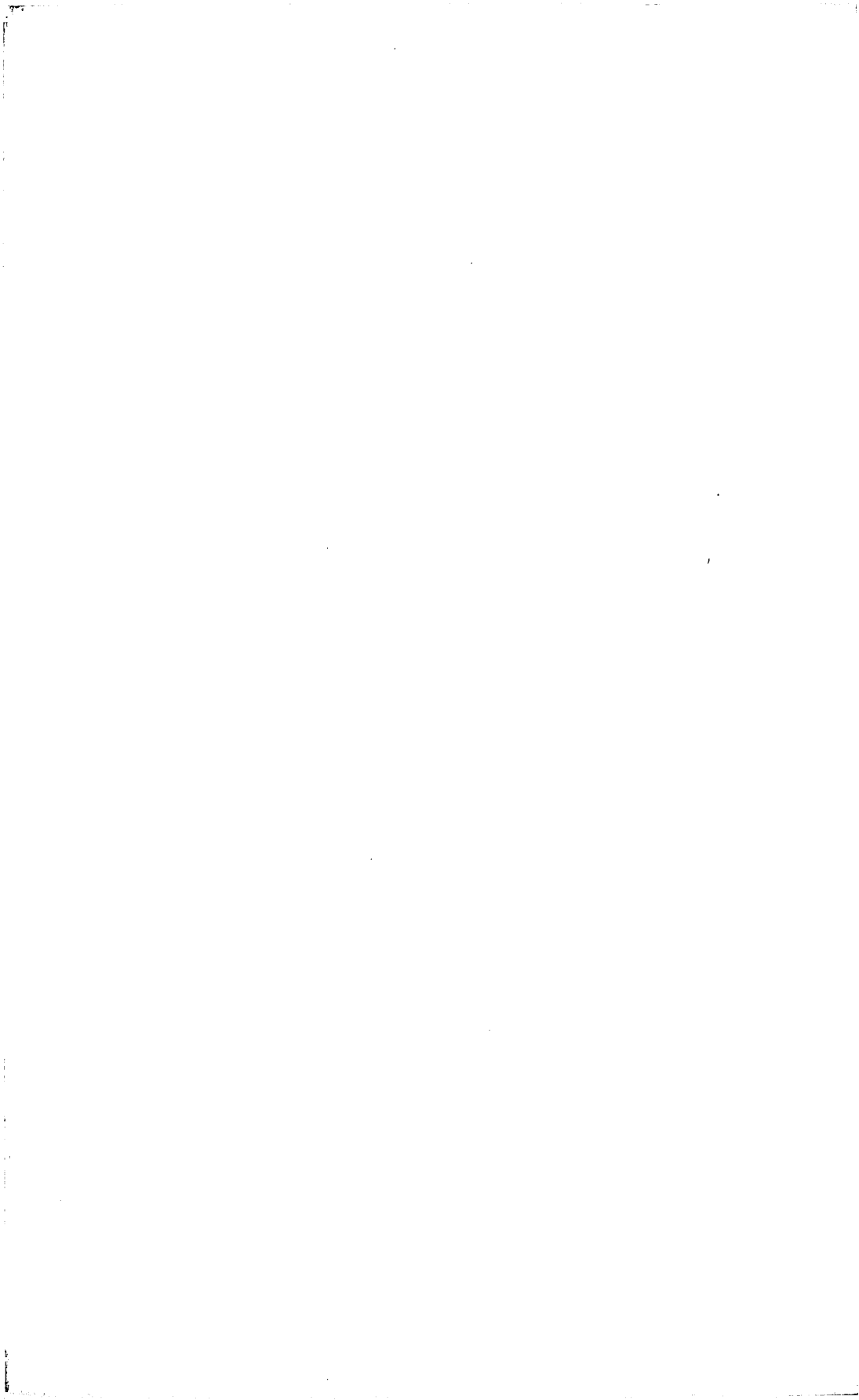
# Ground-Water Levels in the United States, 1971-74

Southwestern States

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GEOLOGICAL SURVEY WATER-SUPPLY PAPER 2162

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



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**UNITED STATES DEPARTMENT OF THE INTERIOR**

**CECIL D. ANDRUS, *Secretary***

**GEOLOGICAL SURVEY**

**V. E. McKelvey, *Director***

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## PREFACE

This report was prepared by the U.S. Geological Survey in cooperation with the States of Arizona, California, Hawaii, Nevada, and New Mexico, and with other agencies, by personnel of the Water Resources Division, J. S. Cragwall, Jr., chief hydrologist, G. W. Whetstone, assistant chief hydrologist for Scientific Publications and Data Management, under the general direction of G. A. Billingsley, chief, Reports Section, and C. B. Ham, chief, Data Reports Unit.

The data were collected and computed under supervision of district chiefs, Water Resources Division, as follows:

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## CONTENTS

	Page
Introduction.....	1
Arizona.....	4
California.....	18
Hawaii.....	38
Nevada.....	52
New Mexico.....	66

## ILLUSTRATIONS

Figure 1. Map of the United States showing States for which records of water levels are published in this volume.....	3
2-6. Locations of observation wells, 1971-74 in	
2. Arizona.....	6
3. California.....	20
4. Hawaii.....	40
5. Nevada.....	54
6. New Mexico.....	68





## 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 (1) a 15-digit number based on latitude and longitude, and (2) a local number that is provided for continuity with older reports and for other use as dictated by local needs. The first 6 digits of the 15-digit number are degrees, minutes, and seconds of north latitude; the next 7 digits are degrees (including a leading zero for those less than 100), minutes, and seconds of west longitude; and the final 2 digits are sequential numbers assigned in the order in which the wells (or other hydrologic sites) are established in that 1-second quadrangle. This system provides both the geographic location and a unique number for each well.

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).

In the well description, dimensions are given in International System Units (SI) as well as in English units. The factor 0.3048 is used to convert feet to meters; the factor 2.54

is used to convert inches to centimeters; and the factor 1.609 is used to convert miles to kilometers.

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, 1940-74

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	....	....	....
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
1967-71	....	....	2090	....	....	....
1968-72	2140	....	....	....	....	....
1969-73	....	2171	....	....	....	....
1970-74	....	....	....	2172	....	....
1971-74	....	....	....	....	....	2162

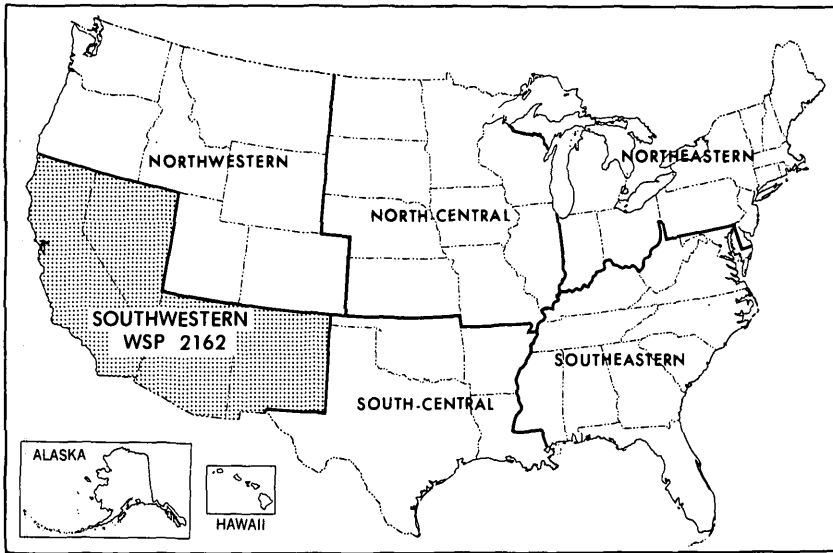


Figure 1. Map of the United States showing States for which records of water levels are published in this volume.

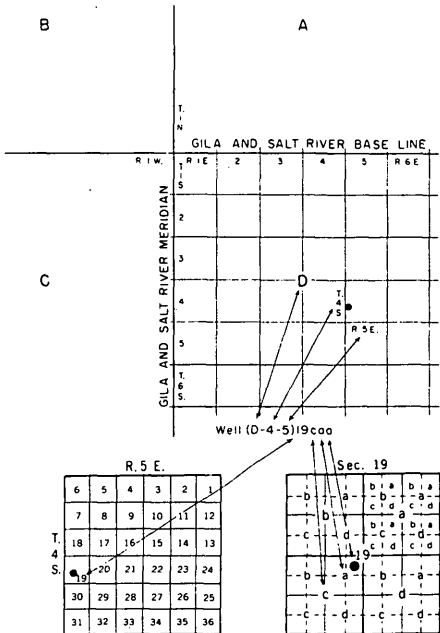
ARIZONA

The observation-well program in Arizona was continued from 1971 through 1974; it is an integral part of the statewide water-resources investigations. Since 1939, the U.S. Geological Survey has conducted a program of ground-water studies in cooperation with the State of Arizona, which is represented by the Arizona Water Commission. The program includes the collection and analysis of the geologic and hydrologic data necessary to evaluate the ground-water resources of the State. The water-level measurements included in this publication are a part of the data collected. 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 (D-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 S., 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

343018109235301. Local number (A-13-28)29bcd. E. L. Johns. Drilled domestic water-table well in gravel, diam 12 in (30 cm), depth 50 ft (15 m), cased to 50 ft (15 m). Lsd 5,800 ft (1,768 m) above msl. MP top of casing, 2.10 ft (0.64 m) above lsd. Highest water level 7.40 ft (2.26 m) below lsd, March 1967; lowest 30.9 ft (9.4 m) below lsd, May 3, 1956. Records available: 1944-58, 1960-72. No measurement made in 1973-74. Mar. 31, 1971, 8.0; Feb. 2, 1972, 7.8.

Cochise County

322112109362601. Local number (D-12-27)32aab. Creighton. Drilled stock water-table well in alluvial fill, diam 6 in (15 cm), reported depth 250 ft (76 m), casing information not available. Lsd about 3,980 ft (1,213 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 132.5 ft (40.4 m) below lsd, Dec. 20, 1956; lowest 137.2 ft (41.8 m) below lsd, Dec. 12, 1954. Records available: 1952-54, 1956-57, 1959-64, 1967-74. Jan. 22, 1971, 135.9; Jan. 20, 1972, 134.1; Jan. 25, 1973, 133.6; Jan. 16, 1974, 133.1.

321715110215801. Local number (D-13-19)23dad. Reed. Drilled stock water-table well in alluvial fill, diam 6 in (15 cm), reported depth 85 ft (26 m), casing information not available. Lsd about 3,150 ft (960 m) above msl. MP top of casing, 3.50 ft (1.07 m) above lsd. Highest water level 29.1 ft (8.9 m) below lsd, Apr. 16, 1968; lowest 49.8 ft (15.2 m) below lsd, May 28, 1958. Records available: 1949-74. Jan. 12, 1971, 39.7; Feb. 15, 1972, 39.4; Jan. 22, 1973, 36.6; Feb. 11, 1974, 32.5.

321838109543101. Local number (D-13-24)16bbb. State of Arizona. Drilled observation water-table well in alluvial fill, diam 16 in (41 cm), depth 1,356 ft (413 m), casing information not available. Lsd about 4,210 ft (1,283 m) above msl. MP top of casing, 1.70 ft (0.52 m) above lsd. Highest water level 29.7 ft (9.1 m) below lsd, May 13, 1942; lowest 130.7 ft (39.8 m) below lsd, Aug. 31, 1962. Records available: 1942, 1944-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1971	117.6	Nov. 22, 1971	121.6	Sept. 25, 1972	125.4	July 25, 1973	127.0
Feb. 24	119.1	Dec. 22	119.2	Oct. 26	122.8	Aug. 27	129.0
Mar. 25	121.0	Jan. 21, 1972	118.8	Nov. 28	121.0	Sept. 25	128.4
Apr. 26	124.2	Feb. 22	119.6	Dec. 21	120.2	Oct. 25	126.9
May 24	126.8	Mar. 27	122.7	Jan. 23, 1973	118.8	Nov. 26	124.6
June 25	127.8	Apr. 26	125.6	Feb. 27	117.8	Dec. 26	124.3
July 26	127.1	May 23	127.1	Mar. 26	117.1	Jan. 24, 1974	123.9
Aug. 26	126.3	June 26	126.7	Apr. 25	121.4	Mar. 26	126.6
Sept. 23	125.0	July 25	126.8	May 24	125.1	Apr. 24	128.5
Oct. 26	125.6	Aug. 24	127.6	June 26	127.4		

321932109255401. Local number (D-13-29)6ccc. A. R. Spikes. Drilled stock and irrigation artesian well in sand and gravel, diam 6 in (15 cm), reported depth 835 ft (255 m), casing information not available. Lsd about 3,675 ft (1,120 m) above msl. MP top east side of casing, 0.20 ft (0.06 m) above lsd. Highest water level 9.5 ft (2.9 m) below lsd, May 2, 1941; lowest 226.0 ft (68.9 m) below lsd, Jan. 15, 1974. Records available: 1941-42, 1944, 1946-47, 1949-52, 1954-57, 1959-74. Jan. 24, 1971, 198.0; Jan. 20, 1972, 207.3; Jan. 25, 1973, 219.4; Jan. 15, 1974, 226.0.

321556109132601. Local number (D-13-31)30cdc. Elmer Franklin. Drilled domestic water-table well in sand and gravel, diam 4 in (10 cm), depth 77 ft (23 m), casing information not available. Lsd about 3,610 ft (1,100 m) above msl. MP top of 4- x 4-in (10- x 10-cm) pipe clamp, 1.70 ft (0.52 m) above lsd. Highest water level 58.7 ft (17.9 m) below lsd, Nov. 2, 1949; lowest 72.8 ft (22.2 m) below lsd, Feb. 26, 1968. Records available: 1940-42, 1944, 1946-57, 1959-64, 1967-74. Jan. 24, 1971, 69.6; Jan. 20, 1972, 70.2; Jan. 24, 1973, 67.6; Jan. 16, 1974, 68.9.

321323109521701. Local number (D-14-24)14bba2. Lakeside Bar. Drilled domestic water-table well in alluvial fill, diam 8 in (20 cm), depth and casing information not available. Lsd about 4,167 ft (1,270 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 9.0 ft (2.7 m) below lsd, Feb. 6, 1963; lowest 25.4 ft (7.7 m) below lsd, Jan. 14, 1974. Records available: 1963-69, 1971-74. Jan. 20, 1971, 23.1; Jan. 18, 1972, 23.6; Jan. 24, 1973, 24.1; Jan. 14, 1974, 25.4.

32115109555201. Local number (D-14-24)30dba. Fay Procter. Drilled stock water-table well in alluvial fill, diam 6 in (15 cm), depth and casing information not available. Lsd about 4,187 ft (1,276 m) above msl. MP top of wooden clamp, 2.20 ft (0.67 m) above lsd. Highest water level 16.0 ft (4.9 m) below lsd, Oct. 21, 1955; lowest 33.9 ft (10.3 m) below lsd, Jan. 14, 1974. Records available: 1942, 1944-57, 1963-74. Jan. 20, 1971, 30.1; Jan. 18, 1972, 33.6; Jan. 24, 1973, 33.7; Jan. 14, 1974, 33.9.

321200109094501. Local number (D-14-31)22adc. D. O'Neal. Drilled irrigation artesian well in sand and gravel, diam 16 in (41 cm), depth 800 ft (244 m), casing information not available. Lsd about 3,690 ft (1,125 m) above msl. MP top of casing under pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 100.0 ft (30.5 m) below lsd, Jan. 24, 1973; lowest 106.6 ft (32.5 m) below lsd, Jan. 16, 1974. Records available: 1973-74. Replaces well (D-14-31)15cdd. Jan. 24, 1973, 100.0; Jan. 16, 1974, 106.6.

320005110170901. Local number (D-16-20)34acd2. L. A. Scott. Drilled irrigation water-table well in sand and gravel, diam 16 in (41 cm), depth 117 ft (36 m), casing information not available. Lsd about 3,525 ft (1,074 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 79.0 ft (24.1 m) below lsd, Mar. 18, 1969; lowest 85.6 ft (26.1 m) below lsd, Jan. 31, 1972. Records available: 1969-74. Replaces well (D-16-20)34acd. Mar. 18, 1969, 79.0; Jan. 31, 1970, 80.3; Jan. 13, 1971, 81.5; Jan. 31, 1972, 85.6; Jan. 22, 1973, 82.6; Feb. 11, 1974, 79.4.

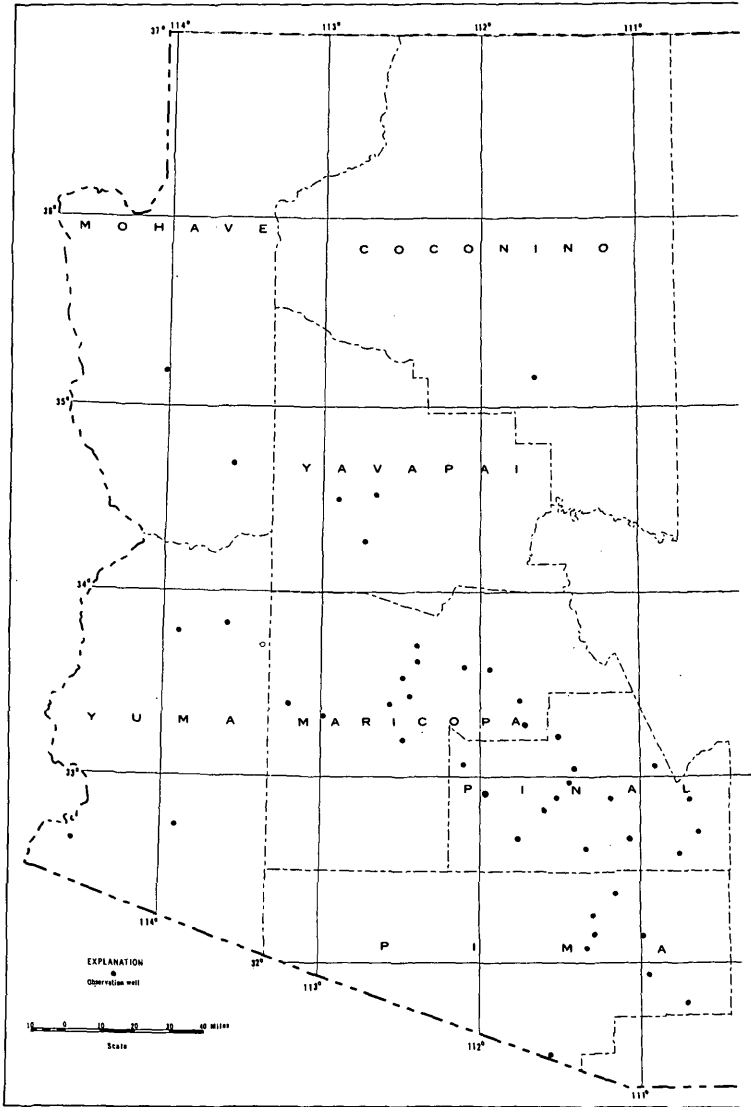
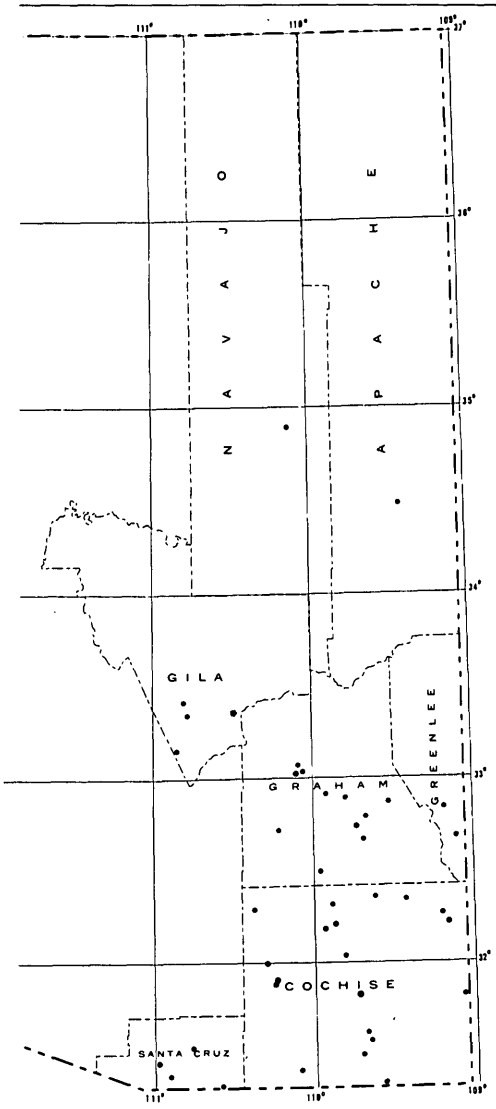


Figure 2.--Location of observation



wells in Arizona, 1971-74.

320235109475001. Local number (D-16-25)16add. W. D. Wear. Drilled stock water-table well in sand and gravel, diam 6 in (15 cm), depth 65 ft (20 m), casing information not available. Lsd about 4,190 ft (1,277 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 27.0 ft (8.2 m) below lsd, Feb. 18, 1969; lowest 43.6 ft (13.3 m) below lsd, Dec. 19, 1957. Records available: 1942, 1944-57, 1959-74. Jan. 19, 1971, 27.5; Jan. 18, 1972, 27.1; Jan. 23, 1973, 27.7; Jan. 14, 1974, 28.0.

315500110132201. Local number (D-17-21)32bab. Boquillas Cattle Co. Drilled domestic and stock artesian well in sand and gravel, diam 6 in (15 cm), reported depth 520 ft (159 m), cased to 500 ft (152 m). Lsd about 3,705 ft (1,129 m) above msl. MP top of casing, 1.30 ft (0.40 m) above lsd. Highest water level 16.9 ft (5.2 m) below lsd, Dec. 9, 1946; lowest 47.0 ft (14.3 m) below lsd, Feb. 12, 1974. Records available: 1944-74. Feb. 9, 1971, 32.5; Jan. 31, 1972, 35.2; Feb. 5, 1973, 34.9; Feb. 12, 1974, 47.0.

315417110140001. Local number (D-18-21)6aaa2. Smith. Drilled domestic water-table well in sand and gravel, diam 4 in (10 cm), depth 60 ft (18 m), cased 0-60 ft (0-18 m). Lsd about 3,620 ft (1,103 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 25.6 ft (7.8 m) below lsd, Mar. 30, 1946; lowest 39.7 ft (12.1 m) below lsd, May 28, 1954. Records available: 1944-58, 1960-74. Feb. 9, 1971, 27.8; Jan. 31, 1972, 27.7; Feb. 5, 1973, 27.3; Feb. 12, 1974, 27.6.

315042109414301. Local number (D-18-26)28aaa2. Frank Geers. Drilled irrigation water-table well in sand and gravel, diam 16 in (41 cm), depth 390 ft (119 m), casing information not available. Lsd about 4,268 ft (1,301 m) above msl. MP hole in east side of pumpbase, 1.10 ft (0.34 m) above lsd. Highest water level 89.0 ft (27.1 m) below lsd, Feb. 11, 1965; lowest 142.7 ft (43.5 m) below lsd, Jan. 17, 1974. Records available: 1965-74. Jan. 4, 1971, 123.6; Jan. 25, 1972, 126.7; Jan. 26, 1973, 130.8; Jan. 17, 1974, 142.7.

314911109050101. Local number (D-18-32)33bca2. Darnell. Drilled domestic water-table well in alluvial fill, diam 6 in (15 cm), reported depth 227 ft (69 m), casing information not available. Lsd about 4,220 ft (1,286 m) above msl. MP hole in steel plate, 1.00 ft (0.30 m) above lsd. Highest water level 134.7 ft (41.1 m) below lsd, Jan. 22, 1970; lowest 142.5 ft (43.4 m) below lsd, Jan. 16, 1974. Records available: 1969-74. Replaces well (D-18-32)33bca. Mar. 6, 1969, 138.1; Jan. 22, 1970, 134.7; Jan. 21, 1971, 137.8; Jan. 24, 1972, 139.9; Jan. 26, 1973, 138.4; Jan. 16, 1974, 142.5.

313826109402301. Local number (D-21-26)2baa. Randel and Hunt. Drilled unused water-table well in sand and gravel, diam 20 in (51 cm), depth 110 ft (34 m), cased 0-100 ft (0-30 m). Lsd about 4,130 ft (1,259 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 36.6 ft (11.2 m) below lsd, Aug. 26, 1947; lowest 101.2 ft (30.9 m) below lsd, Sept. 24, 1974. Records available: 1947-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1971	89.8	Jan. 21, 1972,	93.9	Jan. 26, 1973	95.4	Jan. 24, 1974	96.9
Feb. 24	90.0	Feb. 22	94.6	Feb. 27	94.8	Feb. 20	94.4
Mar. 25	90.8	Mar. 27	96.1	Mar. 26	94.3	Mar. 26	96.9
Apr. 26	91.2	Apr. 25	97.3	Apr. 26	98.7	Apr. 24	97.8
May 24	91.0	May 23	98.6	May 24	96.4	May 24	98.7
June 25	94.6	June 26	97.6	June 26	97.3	June 25	100.1
July 26	95.5	July 25	98.7	July 24	97.6	July 24	100.7
AUG. 26	93.0	AUG. 24	99.6	AUG. 27	97.7	AUG. 27	100.9
Sept. 23	93.2	Sept. 25	97.0	Sept. 25	98.0	Sept. 24	101.2
Oct. 26	93.2	Oct. 26	96.7	Oct. 25	98.1	Oct. 21	100.7
Nov. 22	94.3	Nov. 28	96.0	Nov. 26	98.0	Nov. 22	100.0
Dec. 22	94.8	Dec. 21	95.7	Dec. 26	97.5	Dec. 23	99.6

313550109392001. Local number (D-21-26)24baa. McNeal Cemetery. Drilled domestic water-table well in sand and gravel, diam 8 in (20 cm), depth 196 ft (60 m), casing information not available. Lsd 4,195.8 ft (1,278.9 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 112.0 ft (34.1 m) below lsd, Jan. 31, 1946; lowest 173.7 ft (52.9 m) below lsd, Jan. 17, 1974. Records available: 1946-58, 1960-62, 1964-74. Jan. 5, 1971, 163.1; Jan. 25, 1972, 166.3; Feb. 5, 1973, 169.0; Jan. 17, 1974, 173.7.

312944109423202. Local number (D-22-26)28bab2. J. E. Brophy. Drilled irrigation water-table well in sand and gravel, diam 8 in (20 cm), depth 90 ft (27 m), casing information not available. Lsd 4,026.6 ft (1,227.3 m) above msl. MP top of concrete foundation under pump, 1.20 ft (0.37 m) above lsd. Highest water level 26.4 ft (8.1 m) below lsd, July 25, 1946; lowest 56.0 ft (17.1 m) below lsd, Mar. 6, 1969. Records available: 1946-47, 1949-51, 1953-71, 1973. No measurement made in 1972, 1974. Jan. 5, 1971, 50.9; Feb. 6, 1973, 50.6.

312250110063901. Local number (D-23-22)33dcd2. U.S. Government. Drilled observation water-table well in alluvial fill, diam 12 to 8 in (30 to 20 cm), depth 92 ft (28 m), cased 0-92 ft (0-28 m). Lsd about 4,200 ft (1,280 m) above msl. MP top of casing, 3.40 ft (1.04 m) above lsd. Highest water level 11.5 ft (3.5 m) below lsd, Aug. 25, 1955; lowest 18.5 ft (5.6 m) below lsd, July 15, 1961. Records available: 1954-63, 1966-74. Feb. 2, 1971, 14.0; Feb. 7, 1972, 13.8; Feb. 7, 1973, 14.6; Feb. 14, 1974, 16.1.

312226109372801. Local number (D-24-27)5bdb. Fred Price. Dug stock water-table well in sand and gravel, diam 8 ft (2 m), depth 82 ft (25 m), lined with concrete. Lsd 4,000.2 ft (1,219.3 m) above msl. MP top of 2- x 12-in (5.1- x 30-cm) board, 1.00 ft (0.30 m) above lsd. Highest water level 54.3 ft (16.6 m) below lsd, May 26, 1942; lowest 71.9 ft (21.9 m) below lsd, Jan. 17, 1974. Records available: 1942, 1944-57, 1959-74. Jan. 4, 1971, 66.7; Jan. 24, 1972, 66.6; Feb. 6, 1973, 67.1; Jan. 17, 1974, 71.9.



Cocoonino County

350924111440101. Local number (A-21-6)35eba. City of Flagstaff. Drilled municipal water-table well in Cocoonino Sandstone, diam 16 in (41 cm), depth 1,600 ft (488 m), casing information not available. Lsd 7,136.7 ft (2,175.3 m) above msl. MP top of 3/4-in (1.9-cm) pipe, 1.00 ft (0.30 m) above lsd. Highest water level 1,221 ft (372 m) below lsd, Apr. 13, 1970; lowest 1,241.5 ft (378.4 m) below lsd, Jan. 26, 1973. Records available: 1954-56, 1958, 1960, 1962-64, 1966-74. Apr. 13, 1971, 1,234; Feb. 25, 1972, 1,236.7; Jan. 26, 1973, 1,241.5; Mar. 6, 1974, 1,226.4.

Gila County

332658110493201. Local number (A-1-15)9aad2. Kenneth Hoopes. Drilled industrial water-table well in sand and gravel, diam 12 in (30 cm), depth and casing information not available. Lsd about 3,237 ft (987 m) above msl. MP hole in casing, 3.00 ft (0.91 m) above lsd. Highest water level 43.8 ft (13.4 m) below lsd, Mar. 15, 1974; lowest 63.2 ft (19.3 m) below lsd, Jan. 20, 1972. Records available: 1970-74. Replaces well (A-1-15)9aad. Feb. 16, 1970, 48.8; Jan. 25, 1971, 56.5; Jan. 20, 1972, 63.2; Feb. 15, 1973, 55.4; Mar. 15, 1974, 43.8.

332055110455501. Local number (D-1-15)13bda. Schniffen. Drilled unused water-table well in sand and gravel, diam 6 in (15 cm), depth 105 ft (32 m), casing information not available. Lsd about 3,800 ft (1,158 m) above msl. MP top of casing, 0.20 ft (0.06 m) above lsd. Highest water level 3.5 ft (1.1 m) below lsd, May 5, 1949; lowest 39.5 ft (12.0 m) below lsd, Feb. 14, 1961. Records available: 1946-55, 1957, 1959-74. Jan. 25, 1971, 9.6; Jan. 20, 1972, 7.0; Feb. 15, 1973, 6.3; Mar. 15, 1974, 7.5.

332102110280201. Local number (D-1-18)1ldcc. Owner unknown. Drilled domestic and irrigation water-table well in alluvial fill. Diam, depth, and casing information not available. Lsd about 2,662 ft (811 m) above msl. MP top of concrete at pumpbase, 0.50 ft (0.15 m) above lsd. Highest water level 33.0 ft (10.1 m) below lsd, Feb. 15, 1973; lowest 38.7 ft (11.8 m) below lsd, Mar. 2, 1967. Records available: 1967-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 2, 1967	38.7	Mar. 10, 1969	35.3	Jan. 25, 1971	35.9	Feb. 15, 1973	33.0
Feb. 9, 1968	37.2	Feb. 16, 1970	37.4	Jan. 20, 1972	34.1	Mar. 1, 1974	34.4

330858110495101. Local number (D-3-15)29aba. Marvin Dodge. Drilled irrigation water-table well in Gila Conglomerate, diam 20 in (51 cm), reported depth 300 ft (91 m), cased 0-193 ft (0-59 m) above lsd. Lsd about 2,740 ft (835 m) above msl. MP slot in casing, at lsd. Highest water level 81.6 ft (24.9 m) below lsd, Feb. 25, 1960; lowest 102.2 ft (31.2 m) below lsd, Sept. 11, 1957. Records available: 1952-74. Jan. 20, 1971, 89.6; Feb. 2, 1972, 98.2; Jan. 29, 1973, 88.5; Feb. 13, 1974, 94.0.

Graham County

330505110022801. Local number (D-4-22)13acd. Aubrey Rabb. Drilled irrigation water-table well in sand and gravel, diam 16 in (41 cm), reported depth 100 ft (30 m), casing information not available. Lsd about 2,640 ft (805 m) above msl. MP hole in pumpbase, east side, 1.80 ft (0.55 m) above lsd. Highest water level (revised) 8.9 ft (2.7 m) below lsd, Mar. 13, 1968; lowest 29.0 ft (8.8 m) below lsd, Aug. 31, 1953. Records available: 1953-74. Jan. 19, 1971, 16.9; Jan. 18, 1972, 10.1; Mar. 9, 1973, 10.8; Mar. 12, 1974, 16.1.

330239110031101. Local number (D-4-22)35ada. Pat Hinton. Drilled stock water-table well in sand and gravel, diam 6 in (15 cm), depth 75 ft (23 m), cased 0-75 ft (0-23 m). Lsd 2,859.5 ft (871.6 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 17.1 ft (5.2 m) below lsd, Feb. 11, 1943; lowest 39.4 ft (12.0 m) below lsd, Mar. 29, 1940. Records available: 1939-44, 1946-74. Jan. 19, 1971, 21.3; Jan. 18, 1972, 22.1; Mar. 9, 1973, 23.1; Mar. 12, 1974, 20.3.

330323110001301. Local number (D-4-23)29adc. T. D. Motes. Drilled irrigation water-table well in sand and gravel, diam 16 in (41 cm), depth 75 ft (23 m), cased to 75 ft (23 m), perforated 53-73 ft (16-22 m). Lsd 2,705.7 ft (824.7 m) above msl. MP hole in pumpbase, 0.90 ft (0.27 m) above lsd. Highest water level 43.3 ft (13.2 m) below lsd, Feb. 28, 1969; lowest 63.2 ft (19.3 m) below lsd, Feb. 15, 1948. Records available: 1940-73. Well destroyed; measurement discontinued. Jan. 19, 1971, 45.9; Jan. 18, 1972, 47.1; Mar. 9, 1973, 45.8.

325633109543801. Local number (D-6-24)5aca. M. J. Ferguson. Drilled irrigation water-table well in sand and gravel, diam 16 in (41 cm), depth 64 ft (20 m), cased 0-64 ft (0-20 m). Lsd 2,779.6 ft (847.2 m) above msl. MP hole in casing, 1.50 ft (0.46 m) above lsd. Highest water level 37.7 ft (11.5 m) below lsd, Mar. 13, 1968; lowest 57.7 ft (17.6 m) below lsd, June 28, 1955. Records available: 1940-74. Jan. 19, 1971, 41.6; Feb. 18, 1972, 40.4; Feb. 16, 1973, 39.4; Feb. 18, 1974, 40.6.

325410109480601. Local number (D-6-25)20aaa. Vance Marshall. Drilled irrigation water-table well in sand and gravel, diam 16 in (41 cm), depth 46 ft (14 m), cased 0-46 ft (0-14 m). Lsd 2,821.6 ft (860.0 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd. Highest water level 10.8 ft (3.3 m) below lsd, May 26, 1941; lowest 29.6 ft (9.0 m) below lsd, Oct. 30, 1956. Records available: 1939-46, 1948-50, 1952-74. Jan. 19, 1971, 13.4; Jan. 18, 1972, 13.5; Feb. 16, 1973, 12.3; Feb. 18, 1974, 13.9.

325224109305001. Local number (D-6-28)31aab. J. W. Irvin. Drilled unused water-table well in Gila Conglomerate, diam 16 in (41 cm), depth 540 ft (165 m), casing information not available. Lsd about 3,150 ft (960 m) above msl. MP hole in pumpbase, 2.50 ft (0.76 m) above lsd. Highest water level 16.7 ft (5.1 m) below lsd, Apr. 25, 1973; lowest 44.5 ft (13.6 m) below lsd, July 28, 1971. Records available: 1951-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1971	34.5	Jan. 27, 1972	28.7	Jan. 29, 1973	20.1	Jan. 28, 1974	30.0
Feb. 25	36.8	Feb. 24	27.7	Feb. 26	17.6	Feb. 25	24.4
Mar. 29	40.0	Mar. 28	31.3	Mar. 26	17.0	Mar. 27	25.0
Apr. 28	41.6	Apr. 27	32.8	Apr. 25	16.7	Apr. 25	25.1
May 27	42.2	May 26	31.6	May 29	17.2	May 28	25.8
June 28	40.0	June 22	35.2	June 25	18.7	June 26	27.0
July 28	44.5	July 26	36.3	July 27	20.0	July 26	28.6
Aug. 30	44.4	Aug. 29	41.0	Aug. 27	21.1	Aug. 27	29.5
Sept. 27	40.5	Sept. 26	32.9	Sept. 27	22.6	Sept. 26	32.5
Oct. 26	37.5	Oct. 26	22.6	Oct. 29	23.4	Oct. 29	33.2
Nov. 26	32.7	Nov. 28	26.5	Nov. 27	23.9	Nov. 25	32.2
Dec. 27	31.3	Dec. 27	21.3	Dec. 26	24.8	Dec. 26	31.6

324849109403501. Local number (D-7-26)22bab. Lee Johns. Drilled irrigation water-table well in sand and gravel, diam 16 in (41 cm), depth 90 ft (27 m), cased to 90 ft (27 m). Lsd 2,950.3 ft (899.3 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 20.3 ft (6.2 m) below lsd, May 25, 1942; lowest 68.2 ft (20.8 m) below lsd, July 1, 1957. Records available: 1940-74. Jan. 21, 1971, 31.3; Jan. 19, 1972, 38.9; Mar. 19, 1973, 28.8; Feb. 15, 1974, 24.9.

324413109135501. Local number (D-8-21)18dad. J. D. Williams. Drilled irrigation water-table well in alluvial fill, diam 12 in (30 cm), reported depth 140 ft (43 m), casing information not available. Lsd about 3,880 ft (1,183 m) above msl. MP hole in north side of pumpbase, 1.50 ft (0.46 m) above lsd. Highest water level 28.4 ft (8.7 m) below lsd, Apr. 23, 1968; lowest 43.1 ft (13.1 m) below lsd, Dec. 18, 1957. Records available: 1955-57, 1959-1962, 1964-69, 1971-74. Jan. 20, 1971, 36.9; Jan. 19, 1972, 38.6; Jan. 23, 1973, 36.7; Jan. 15, 1974, 34.7.

324501109441401. Local number (D-8-25)12dba. Andrew Angle. Drilled irrigation water-table well in alluvial fill, diam 12 in (30 cm), reported depth 400 ft (122 m), cased to 300 ft (91 m), perforated 50-300 ft (15-91 m). Lsd about 3,235 ft (986 m) above msl. MP hole in casing, at lsd. Highest water level 55.6 ft (17.0 m) below lsd, Mar. 13, 1950; lowest 139.2 ft (42.4 m) below lsd, July 31, 1967. Records available: 1950-67, 1969-74. Jan. 21, 1971, 79.1; Jan. 25, 1972, 75.0; Mar. 19, 1973, 70.1; Mar. 12, 1974, 122.1.

324115109414801. Local number (D-8-26)33cdc. R. G. Layton. Drilled irrigation artesian well in alluvial fill, diam 16 in (41 cm), reported depth 400 ft (122 m), casing information not available. Lsd about 3,340 ft (1,018 m) above msl. MP top of casing, 1.40 ft (0.43 m) above lsd. Highest water level 17.0 ft (5.2 m) below lsd, Mar. 13, 1950; lowest 69.0 ft (21.0 m) below lsd, Apr. 17, 1967. Records available: 1950-74. Jan. 21, 1971, 35.8; Jan. 25, 1972, 36.8; Mar. 19, 1973, 37.8; Mar. 12, 1974, 58.4.

323127109574701. Local number (D-10-23)35acb. 76 Ranch. Drilled stock water-table well in alluvial fill, diam 6 in (15 cm), reported depth 350 ft (107 m), casing information not available. Lsd about 4,465 ft (1,361 m) above msl. MP top of casing, 1.80 ft (0.55 m) above lsd. Highest water level 224.1 ft (68.3 m) below lsd, Feb. 5, 1963; lowest 309.7 ft (94.4 m) below lsd, Jan. 15, 1974. Records available: 1946, 1949-57, 1959-74. Jan. 18, 1971, 280.2; Jan. 19, 1972, 286.1; Jan. 23, 1973, 296.8; Jan. 15, 1974, 309.7.

#### Greenlee County

325114109105801. Local number (D-7-31)4bcc. Barney and Frazier. Drilled irrigation water-table well in sand and gravel, diam 20 in (51 cm), depth 75 ft (23 m), casing information not available. Lsd 3,544.4 ft (1,080.3 m) above msl. MP hole in pumpbase, 0.60 ft (0.18 m) above lsd. Highest water level 21.9 ft (6.7 m) below lsd, Feb. 19, 1968; lowest 41.0 ft (12.5 m) below lsd, Aug. 8, 1956. Records available: 1939-43, 1945-74. Jan. 22, 1971, 26.6; Jan. 18, 1972, 26.6; Mar. 21, 1973, 24.7; Mar. 14, 1974, 29.1.

324119109052801. Local number (D-8-32)32eda. Delbert Meyers. Drilled domestic water-table well in sand and gravel, diam 4 in (10 cm), depth 110 ft (34 m), casing information not available. Lsd 3,716.0 ft (1,132.6 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 21.0 ft (6.4 m) below lsd, Feb. 17, 1970, Jan. 22, 1971; lowest 38.6 ft (11.8 m) below lsd, Aug. 27, 1951. Records available: 1939-73. No measurement made in 1974. Jan. 22, 1971, 21.0; Jan. 18, 1972, 22.8; Mar. 21, 1973, 22.6.

#### Maricopa County

32453111411101. Local number (A-1-6)24dab. City of Mesa. Drilled unused water-table well in sand and gravel, diam 10 in (25 cm), depth 585 ft (178 m), casing information not available. Lsd about 1,408 ft (429 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 521.9 ft (159.1 m) below lsd, Jan. 18, Feb. 16, 1972; lowest 534.8 ft (163.0 m) below lsd, Aug. 18, Sept. 20, 1972. Records available: 1972-74. Replaces well (A-1-6)23daa.

332453111411101--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1972	521.9	May 15, 1972	529.6	Aug. 18, 1972	534.8	Jan. 26, 1973	526.1
Feb. 16	521.9	June 12	532.0	Sept. 20	534.8	Jan. 10, 1974	528.9
Mar. 14	522.0	July 13	534.2	Oct. 17	533.8		

33364211580801. Local number (A-3-4)17baa. Andy Berger. Drilled irrigation water-table well in alluvial fill, diam 20 in (51 cm), depth 981 ft (299 m), cased to 917 ft (280 m), perforated 440-917 ft (134-280 m), open hole 917-981 ft (280-299 m). Lsd 1,414 ft (431 m) above msl. MP hole in north side of pumpbase, 1.50 ft (0.46 m) above lsd. Highest water level 318.9 ft (97.2 m) below lsd, Jan. 22, 1969; lowest 364.0 ft (111.0 m) below lsd, Jan. 18, 1974. Records available: 1969-74. Jan. 22, 1969, 318.9; Jan. 30, 1970, 324.9; Jan. 26, 1971, 338.6; Jan. 12, 1972, 348.8; Jan. 4, 1973, 360.0; Jan. 18, 1974, 364.0.

333916112055701. Local number (A-4-2)36aaa. Turf Paradise, Inc. Drilled unused water-table well in alluvium, diam 20 in (51 cm), depth 670 ft (204 m), cased to 670 ft (204 m), perforated 300-655 ft (91-200 m). Lsd about 1,373 ft (418 m) above msl. MP northeast edge of casing, 0.50 ft (0.15 m) above lsd. Highest water level 273.1 ft (83.2 m) below lsd, Dec. 20, 1948; lowest 523.3 ft (159.5 m) below lsd, Jan. 12, 1974. Records available: 1948, 1954-55, 1957-61, 1963-64, 1966-71, 1973-74. No measurement made in 1972. Feb. 2, 1971, 512.4; Jan. 19, 1973, 508.2; Jan. 12, 1974, 523.3.

332725112253301. Local number (B-1-2)1cbb. Goodyear Farms. Drilled unused water-table well in sand and gravel, diam 26 in (66 cm), depth 315 ft (96 m), cased to 315 ft (96 m), perforated 110-290 ft (34-88 m). Lsd about 1,004 ft (306 m) above msl. MP top of casing, at lsd. Highest water level 130.2 ft (39.7 m) below lsd, Dec. 1, 1961; lowest 150.3 ft (45.8 m) below lsd, Aug. 22, 1969. Records available: 1961-74.

Jan. 25, 1971	147.2	Jan. 19, 1972	144.8	Feb. 27, 1973	144.5	Feb. 13, 1974	143.5
Feb. 26	147.0	Feb. 16	144.4	Mar. 21	143.4	Mar. 21	144.0
Mar. 25	147.4	Mar. 15	144.3	Apr. 19	144.7	Apr. 22	145.2
Apr. 26	147.8	Apr. 14	146.1	May 16	145.4	May 21	145.6
May 25	147.8	May 16	146.4	June 20	145.3	June 27	146.0
June 24	148.1	June 15	146.5	July 17	146.0	July 22	146.0
July 26	148.3	July 14	147.1	Aug. 20	146.4	Aug. 28	146.5
Aug. 30	149.1	Aug. 18	147.0	Sept. 18	147.5	Sept. 25	145.2
Sept. 23	148.0	Sept. 19	146.9	Oct. 24	145.6	Oct. 30	145.0
Oct. 16	146.7	Nov. 17	144.7	Nov. 19	144.1	Nov. 23	141.9
Nov. 17	145.8	Dec. 15	143.8	Dec. 26	143.5	Dec. 20	139.8
Dec. 17	144.1	Jan. 22, 1973	143.7	Jan. 17, 1974	144.8		

332452112335001. Local number (B-1-3)21dbb. Lester Way. Drilled irrigation water-table well in sand and gravel, diam 18 in (46 cm), depth 425 ft (130 m), perforations 85-425 ft (26-130 m). Lsd about 987 ft (301 m) above msl. MP edge of 2-in (5.1-cm) pipe, 1.20 ft (0.37 m) above lsd. Highest water level 137.3 ft (41.9 m) below lsd, Jan. 10, 1956; lowest 161.2 ft (49.1 m) below lsd, Jan. 21, 1966. Records available: 1956-62, 1964-74. No measurement made in 1963. Replaces well (B-1-3)34bbb.

Jan. 10, 1956	137.3	Mar. 16, 1961	146.3	Feb. 8, 1967	160.6	Feb. 8, 1971	155.2
Jan. 16, 1957	138.2	Jan. 10, 1962	147.7	Jan. 10, 1968	158.2	Feb. 16, 1972	150.0
Jan. 15, 1958	139.9	Jan. 22, 1964	155.9	Jan. 31, 1969	153.2	Feb. 20, 1973	151.8
Feb. 3, 1959	152.1	Feb. 3, 1965	156.6	Jan. 23, 1970	158.2	Jan. 21, 1974	147.2
Feb. 10, 1960	145.4	Jan. 21, 1966	161.2				

332446113114301. Local number (B-1-9)21bcc1. E. F. Shepard. Drilled unused water-table well in alluvium, diam 20 in (51 cm), depth 1,068 ft (326 m), casing perforated 350-825 ft (107-251 m), 900-1,058 ft (274-322 m). Lsd 1,146 ft (349 m) above msl. MP top edge of casing, at lsd. Highest water level 179.6 ft (54.7 m) below lsd, Dec. 9, 1952; lowest 374.9 ft (114.3 m) below lsd, Jan. 21, 1971. Records available: 1952, 1957, 1959-63, 1965-66, 1968-71, 1973. Measurement discontinued. No measurement made in 1972. Jan. 21, 1971, 374.9; Dec. 14, 1973, 327.0; Jan. 17, 1973, 301.6.

333227112280601. Local number (B-2-2)4dcb. Maricopa County Municipal Water Conservation District No. 1. Drilled unused water-table well in sand and gravel, diam 20 in (51 cm), depth 480 ft (146 m), perforations 204-480 ft (62-146 m). Lsd about 1,205 ft (367 m) above msl. MP top of 20-in (51-cm) casing, 1.00 ft (0.30 m) above lsd. Highest water level 183.7 ft (56.0 m) below lsd, May 17, 1940; lowest 346.8 ft (105.7 m) below lsd, Jan. 10, 1974. Records available: 1940-42, 1946-74. Jan. 27, 1971, 340.4; Jan. 11, 1972, 343.0; Jan. 25, 1973, 344.7; Jan. 10, 1974, 346.8.

333715112230001. Local number (B-3-1)8abb. Westside Farms, Inc. Drilled irrigation water-table well in sand and gravel, diam 20 in (51 cm), reported depth 1,200 ft (366 m), casing information not available. Lsd 1,217.4 ft (371.1 m) above msl. MP at pumpbase, at lsd. Highest water level 246.1 ft (75.0 m) below lsd, Jan. 29, 1952; lowest 402.5 ft (122.7 m) below lsd, Jan. 29, 1970. Records available: 1951-58, 1962-63, 1965-66, 1968-74. Jan. 27, 1971, 384.3; Jan. 11, 1972, 343.0; Jan. 25, 1973, 344.7; Jan. 10, 1974, 346.8.

334230112223001. 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 (51 cm), depth 500 ft (152 m), perforations 182-484 ft (55-148 m). Lsd about 1,335 ft (407 m) above msl. MP top of cover, 4.00 ft (1.22 m) above lsd. Highest water level 180.0 ft (54.9 m) below lsd, Nov. 28, 1938; lowest 358.6 ft (109.3 m) below lsd, Jan. 10, 1974. Records available: 1938, 1940-42, 1944, 1946-66, 1968-74. Jan. 26, 1971, 349.3; Jan. 28, 1972, 357.7; Jan. 25, 1973, 357.1; Jan. 10, 1974, 358.6.

332045112575701. Local number (C-1-7)15bbb. Lee C. Underdown. Drilled unused water-table well in sand and gravel, diam 20 in (51 cm), depth 650 ft (198 m), perforations 164-254 ft (50-77 m). Lsd 948.9 ft (289.2 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd. Highest water level 178.2 ft (54.3 m) below lsd, Mar. 4, 1949; lowest 227.0 ft (69.2 m) below lsd, Feb. 7, 1973. Records available: 1949-74. Feb. 5, 1971, 218.3; Jan. 2, 1972, 221.2; Feb. 7, 1973, 227.0; Jan. 18, 1974, 214.3.

331257112273701. Local number (C-2-2)27ccc. B. M. B. Farms, Inc. Formerly M. B. M. Farms, Inc. Drilled irrigation water-table well in alluvium, bottomed in volcanics, diam 20 to 16 in (51 to 41 cm), depth 940 ft (287 m), cased 0-895 ft (0-273 m), perforated 295-895 ft (90-273 m), open hole 895-940 ft (273-287 m). Lsd about 1,135 ft (346 m) above msl. MP base of pump, 0.60 ft (0.18 m) above lsd. Highest water level 260.2 ft (79.3 m) below lsd, Feb. 18, 1954; lowest 379.4 ft (115.6 m) below lsd, Jan. 14, 1972. Records available: 1954-56, 1959-61, 1963-73. No measurement made in 1974. Jan. 21, 1971, 369.1; Jan. 14, 1972, 379.4; Jan. 18, 1973, 376.7.

331817111405101. Local number (D-1-7)31bacl. Williams Air Force Base. Drilled unused water-table well in alluvium, diam 20 in (51 cm), depth 500 ft (152 m), cased to 500 ft (152 m), perforated 150-480 ft (46-146 m). Lsd 1,334 ft (407 m) above msl. MP top of sheet metal flange, 0.80 ft (0.24 m) above lsd. Highest water level 172.3 ft (52.5 m) below lsd, Mar. 31, 1954; lowest 213.0 ft (64.9 m) below lsd, June 28, 1960. Records available: 1954-74. Jan. 21, 1971, 196.9; Jan. 13, 1972, 195.2; Jan. 30, 1973, 194.2; Jan. 10, 1974, 196.2.

#### Mohave County

344040113351001. Local number (B-16-13)36cc. Richard Banegas. Dug domestic and stock water-table well in sand and gravel, diam 12 in (30 cm), depth 15 ft (5 m). Casing information and lsd not available. MP top of two by four on casing, 1.50 ft (0.46 m) above lsd. Highest water level 9.7 ft (3.0 m) below lsd, Jan. 12, 1945; lowest 13.6 ft (4.2 m) below lsd, Oct. 20, 1956. Records available: 1945-74. Feb. 2, 1971, 10.2; Jan. 31, 1972, 10.7; Feb. 5, 1973, 10.8; Feb. 4, 1974, 10.9.

35109114030001. Local number (B-21-17)24cddl. E. A. Kier. Drilled domestic water-table well in sand and gravel, diam 6 in (15 cm), depth 120 ft (37 m), casing information not available. Lsd about 3,310 ft (1,009 m) above msl. MP top of 6-x 6-in (15 x 15-cm) timber, 1.00 ft (0.30 m) above lsd. Highest water level 101.5 ft (30.9 m) below lsd, Aug. 14, 1944; lowest 120.0 ft (36.6 m) below lsd, Feb. 12, 1963. Records available: 1944-74. Jan. 22, 1971, 113.4; Jan. 27, 1972, 112.6; Jan. 18, 1973, 111.3; Jan. 22, 1974, 110.9.

#### Navajo County

345310110062501. Local number (A-17-21)10cba. Everett Hinkson. Drilled unused water-table well in Coconino Sandstone, diam 6 in (15 cm), depth 160 ft (49 m), casing information not available. Lsd about 5,140 ft (1,567 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 52.1 ft (15.9 m) below lsd, Apr. 23, 1965; lowest 53.6 ft (16.3 m) below lsd, Apr. 14, 1966. Records available: 1952-58, 1960-74. Mar. 31, 1971, 52.9; Feb. 1, 1972, 52.8; Mar. 10, 1973, 52.5; Jan. 28, 1974, 52.6.

#### Pima County

322330111072501. Local number (D-12-12)16bad. Cortaro Water Users' Association. Drilled unused water-table well in sand and gravel, diam 24 to 18 in (61 to 46 cm), reported depth 300 ft (91 m), cased to 292 ft (89 m), perforated 75-285 ft (23-87 m). Lsd about 2,085 ft (636 m) above msl. MP top of casing, at lsd. Highest water level 74.7 ft (22.8 m) below lsd, Feb. 20, 1940; lowest 123.3 ft (37.6 m) below lsd, Aug. 25, 1948. Records available: 1939-57, 1959-63, 1965-74. Jan. 2, 1971, 104.6; Jan. 10, 1972, 97.1; Jan. 31, 1973, 100.5; Jan. 2, 1974, 93.6.

321456111160801. Local number (D-13-11)31ccc. Jones-Avra Farms. Drilled irrigation water-table well in alluvial fill, diam 20 in (51 cm), reported depth 900 ft (274 m), cased 0-736 ft (0-224 m), perforated 234-736 ft (71-224 m). Lsd about 2,210 ft (674 m) above msl. MP hole in pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 276.2 ft (84.2 m) below lsd, Mar. 6, 1953; lowest 382.4 ft (116.6 m) below lsd, Jan. 2, 1973. Records available: 1953-57, 1959-63, 1965-66, 1968-71, 1973-74. No measurement made in 1972. Mar. 26, 1971, 375.2; Jan. 2, 1973, 382.4; Feb. 22, 1974, 381.0.

320513111171001. Local number (D-15-10)35aaa. Mr. and Mrs. Bucklaw. Drilled unused water-table well in sand and gravel, diam 6 in (15 cm), depth 295 ft (90 m), cased 0-295 ft (0-90 m). Lsd 2,531.1 ft (771.5 m) above msl. MP top of casing, at lsd. Highest water level 212.2 ft (64.7 m) below lsd, Oct. 7, 1948; lowest 232.1 ft (70.7 m) below lsd, Jan. 2, 1974. Records available: 1940-42, 1944, 1946-57, 1959-71, 1974. No measurement made in 1972-73. Jan. 2, 1971, 226.2; Jan. 2, 1974, 232.1.

32085211150001. Local number (D-15-11)5cccd. Martin F. Bowman, Jr. Drilled unused water-table well in sand and gravel, diam 20 in (51 cm), depth 728 ft (222 m), perforations 240-662 ft (73-202 m). Lsd 2,368.0 ft (721.8 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 281.1 ft (85.7 m) below lsd, Mar. 6, 1953; lowest 335.5 ft (102.3 m) below lsd, Oct. 22, 1974. Records available: 1953-57, 1959-60, 1962-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1971	331.4	Jan. 24, 1972	332.9	Jan. 24, 1973	334.2	Jan. 28, 1974	334.3
Feb. 25	331.5	Feb. 22	332.4	Feb. 27	333.5	Feb. 25	334.6
Mar. 25	331.2	Mar. 22	332.6	Mar. 21	333.7	Mar. 26	334.5
Apr. 26	331.4	Apr. 27	332.6	Apr. 26	333.6	Apr. 26	334.5
May 24	331.6	May 25	332.7	May 29	333.7	May 22	334.6
June 24	332.8	June 27	330.0	June 25	333.7	June 25	334.9
July 26	331.8	July 26	333.2	July 24	334.2	July 24	334.9
Aug. 24	331.9	Aug. 25	333.3	Aug. 28	334.2	Aug. 26	335.1
Sept. 27	332.2	Sept. 25	333.7	Sept. 26	334.2	Sept. 26	335.3
Oct. 26	332.6	Oct. 26	333.6	Oct. 25	334.1	Oct. 22	335.5
Nov. 23	332.5	Nov. 27	333.6	Nov. 26	334.1	Nov. 26	335.4
Dec. 21	332.4	Dec. 21	333.6	Dec. 26	334.3	Dec. 23	335.4

320906110592701. Local number (D-15-13)2ccca. City of Tucson. Dug and drilled unused water-table well in sand and gravel, diam 12 in (30 cm), depth 104 ft (32 m), casing information not available. Lsd about 2,430 ft (741 m) above msl. MP top of casing, 3.90 ft (1.19 m) above lsd. Highest water level 25.3 ft (7.7 m) below lsd, Dec. 20, 1967; lowest 90.6 ft (27.6 m) below lsd, July 10, 11, 1964. Records available: 1942-74. Measurement discontinued. Water levels affected by intermittent flow in the Santa Cruz River.

Jan. 26, 1971	40.4	Jan. 23, 1972	48.4	Jan. 24, 1973	38.2	Dec. 20, 1973	82.9
Feb. 25	43.7	Feb. 22	54.8	Feb. 27	35.3	Jan. 28, 1974	79.2
Mar. 25	43.7	Mar. 22	51.4	Mar. 21	31.7	Feb. 25	73.3
Apr. 26	51.6	Apr. 27	47.9	Apr. 26	33.7	Mar. 26	55.9
May 24	49.0	May 25	55.8	May 29	37.8	Apr. 26	52.2
June 24	42.0	June 27	43.5	June 25	39.1	May 22	41.4
July 26	37.0	July 26	35.5	July 24	40.2	June 25	39.6
Aug. 24	34.8	Aug. 25	38.8	Aug. 28	40.4	July 24	31.2
Sept. 27	35.6	Sept. 25	37.4	Sept. 26	60.8	Aug. 26	35.4
Oct. 26	36.9	Oct. 26	33.4	Oct. 25	77.9	Sept. 26	35.2
Nov. 23	38.6	Nov. 27	35.8	Nov. 26	78.2	Oct. 22	36.9
Dec. 21	38.5	Dec. 21	37.4				

315700110571901. 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 (23 m), drilled 50-124 ft (15-38 m), diam 36 to 12 in (91 to 30 cm), depth 124 ft (38 m), cased 0-124 ft (0-38 m). Lsd about 2,710 ft (826 m) above msl. MP top of concrete curb, 1.00 ft (0.30 m) above lsd. Highest water level 52.2 ft (15.9 m) below lsd, Jan. 2, 1940; lowest 89.8 ft (27.4 m) below lsd, Feb. 24, 1969. Records available: 1939-74.

Jan. 26, 1971	81.4	Jan. 21, 1972	82.6	Jan. 24, 1973	88.9	Dec. 19, 1973	85.2
Feb. 23	82.0	Feb. 22	84.4	Feb. 27	83.1	Jan. 24, 1974	88.0
Mar. 24	82.9	Mar. 27	87.2	Mar. 21	86.7	Feb. 21	85.4
Apr. 26	80.7	Apr. 26	89.0	Apr. 25	85.0	Mar. 26	83.2
May 24	79.6	May 24	89.0	May 24	85.0	Apr. 25	81.7
June 24	78.5	June 27	87.9	June 25	84.6	May 24	82.1
July 27	78.6	July 25	87.3	July 23	85.5	June 25	82.9
Aug. 27	79.0	Aug. 24	88.5	Aug. 27	85.2	July 25	84.7
Sept. 23	80.4	Sept. 25	89.2	Sept. 24	84.2	Aug. 26	86.2
Oct. 26	80.1	Oct. 26	89.3	Oct. 29	83.8	Sept. 26	85.9
Nov. 22	80.3	Nov. 27	89.4	Nov. 26	84.4	Oct. 22	86.2
Dec. 22	81.1	Dec. 21	89.7				

314718110413901. Local number (D-19-16)15aba. W. W. Foskett. Drilled stock water-table well in alluvium fill, diam 6 in (15 cm), reported depth 300 ft (91 m), casing information not available. Lsd about 4,980 ft (1,518 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 203.7 ft (62.1 m) below lsd, Apr. 10, 1969; lowest 222.4 ft (67.8 m) below lsd, Jan. 22, 1970. Records available: 1952-74. Jan. 2, 1971, 204.3; Feb. 15, 1972, 214.2; Feb. 5, 1973, 206.2; Jan. 2, 1974, 206.2.

312950111334601. Local number (D-22-8)19dbc. Rancho de la Osa. Drilled domestic and stock water-table well in alluvium fill, diam 8 in (20 cm), reported depth 160 ft (49 m), casing information not available. Lsd about 3,610 ft (1,100 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 91.2 ft (27.8 m) below lsd, Oct. 18, 1950; lowest 99.4 ft (30.3 m) below lsd, Mar. 9, 1965; May 5, 1969. Records available: 1950-61, 1963-66, 1968-74. Jan. 2, 1971, 96.4; Jan. 14, 1972, 95.1; Mar. 6, 1973, 95.2; Jan. 2, 1974, 96.4.

#### Pinal County

333043111304001. Local number (D-2-8)27ddd. Ellsworth Bros. Drilled unused water-table well in alluvium, diam 20 in (51 cm), depth 614 ft (187 m), cased to 614 ft (187 m), perforated 260-600 ft (79-183 m). Lsd 1,556 ft (474 m) above msl. MP top of casing, 0.20 ft (0.06 m) above lsd. Highest water level 231.7 ft (70.6 m) below lsd, Jan. 19, 1949; lowest 458.6 ft (139.8 m) below lsd, Jan. 26, 1971. Records available: 1949-54, 1957, 1963-69, 1971-72. No measurement made in 1973-74. Jan. 26, 1971, 458.6; Jan. 2, 1972, 457.2.

330355112073001. Local number (D-4-2)23acc. Farm Service Co. Drilled irrigation water-table well in alluvial fill, diam 12 in (30 cm), reported depth 800 ft (244 m), casing information not available. Lsd about 1,187 ft (362 m) above msl. MP hole in pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 267.9 ft (81.7 m) below lsd, Jan. 9, 1964; lowest 415.0 ft (126.5 m) below lsd, Jan. 2, 1972. Records available: 1964-1973. No measurement made in 1974. Jan. 8, 1971, 397.1; Jan. 2, 1972, 415.0; Jan. 15, 1973, 414.0.
330311111214201. Local number (D-4-10)30bdd. John Bowling. Drilled irrigation water-table well in alluvial fill, diam 20 in (51 cm), reported depth 300 ft (91 m), casing information not available. Lsd about 1,490 ft (454 m) above msl. MP hole in pumpbase, 0.60 ft (0.18 m) above lsd. Highest water level 83.2 ft (25.4 m) below lsd, Feb. 6, 1952; lowest 170.1 ft (51.9 m) below lsd, Jan. 16, 1973. Records available: 1952-54, 1956-63, 1965-70, 1972-74. No measurement made in 1971. Jan. 5, 1972, 154.5; Jan. 16, 1973, 170.1; Jan. 8, 1974, 155.7.
330416110553301. Local number (D-4-14)21bcd. Wilkins. Drilled unused water-table well in alluvial fill, diam 20 in (51 cm), reported depth 80 ft (24 m), cased 0-76 ft (0-23 m). Lsd about 1,790 ft (546 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 5.5 ft (1.7 m) below lsd, Mar. 26, 1969; lowest 8.3 ft (2.5 m) below lsd, Dec. 8, 1953. Records available: 1952-55, 1957-64, 1966-74. Jan. 20, 1971, 7.0; Feb. 18, 1972, 6.2; Jan. 29, 1973, 6.2; Feb. 13, 1974, 5.8.
325246111595201. Local number (D-5-3)25add. Decker and Miller. Drilled irrigation water-table well in sand and gravel, diam 20 in (51 cm), depth 550 ft (168 m), cased 0-550 ft (0-168 m), perforated 115-535 ft (35-163 m). Lsd about 1,240 ft (378 m) above msl. MP 1-in (2.5-cm) hole in pumpbase, 0.60 ft (0.18 m) above lsd. Highest water level 119.4 ft (36.4 m) below lsd, Feb. 2, 1951; lowest 244.0 ft (74.4 m) below lsd, Jan. 2, 1965. Records available: 1951-52, 1954-58, 1960-63, 1965-69, 1971-73. No measurement made in 1974. Jan. 7, 1971, 234.8; Jan. 2, 1972, 228.0; Jan. 15, 1973, 235.0.
- 325807111261601 (revised). Local number (D-5-9)29ada. Bureau of Indian Affairs well 76. Drilled unused water-table well in sand and gravel, diam 16 in (41 cm), reported depth 616 ft (188 m), cased 0-614 ft (0-187 m), perforated 134-440 ft (41-134 m). Lsd 1,520.0 ft (463.3 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 14.2 ft (4.3 m) below lsd, Feb. 15, 1944; lowest 230.0 ft (71.0 m) below lsd, Jan. 16, 1973. Records available: 1942-57, 1959-64, 1966-68, 1971, 1973-74. No measurement made in 1972. Jan. 6, 1971, 226.0; Jan. 16, 1973, 233.0; Jan. 8, 1974, 214.3.
325250111310601. Local number (D-6-8)21ddc. W. H. Simmons. Drilled irrigation water-table well in alluvial fill, diam 20 in (51 cm), reported depth 400 ft (122 m), casing information not available. Lsd about 1,470 ft (448 m) above msl. MP hole in pumpbase, 1.50 ft (0.46 m) above lsd. Highest water level 117.3 ft (35.8 m) below lsd, Feb. 5, 1952; lowest 213.0 ft (64.9 m) below lsd, Jan. 2, 1972. Records available: 1952-56, 1960-62, 1964, 1966, 1968-73. No measurement made in 1974. Jan. 5, 1971, 200.0; Jan. 2, 1972, 213.0; Jan. 17, 1973, 206.5.
325306111121501. Local number (D-6-11)27cad. Grathan and Carney. Drilled stock water-table well in alluvial fill, diam 4 in (10 cm), reported depth 300 ft (91 m), casing information not available. Lsd about 2,370 ft (722 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 26.9 ft (8.2 m) below lsd, Feb. 7, 1973; lowest 51.1 ft (15.6 m) below lsd, Apr. 29, 1969. Records available: 1953-54, 1956, 1960-74. Dec. 29, 1971, 30.5; Feb. 17, 1972, 32.1; Feb. 7, 1973, 26.9; Jan. 30, 1974, 28.3.
325217110425501. Local number (D-6-16)33bad. Fred Ash. Drilled unused water-table well in alluvial fill, diam 12 in (30 cm), reported depth 60 ft (18 m), casing information not available. Lsd about 2,100 ft (640 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 6.7 ft (2.0 m) below lsd, Feb. 27, 1967; lowest 21.9 ft (6.7 m) below lsd, Jan. 21, 1971. Records available: 1949-69, 1971-73. No measurement made in 1974. Jan. 21, 1971, 21.9; Feb. 18, 1972, 19.4; Jan. 24, 1973, 17.8.
324918111353801. Local number (D-7-7)11cdd. E. C. Grasty. Drilled irrigation water-table well in sand and gravel, diam 20 in (51 cm), depth 460 ft (140 m), perforations 100-430 ft (30-131 m). Lsd 1,498.2 ft (456.7 m) above msl. MP hole in pumpbase, 2.50 ft (0.76 m) above lsd. Highest water level 85.9 ft (26.2 m) below lsd, Mar. 11, 1942; lowest 286.0 ft (87.2 m) below lsd, Jan. 6, 1970. Records available: 1942-57, 1959-64, 1967-74. Jan. 5, 1971, 275.8; Jan. 2, 1972, 270.3; Jan. 18, 1973, 263.6; Jan. 9, 1974, 267.5.
324102111452801. Local number (D-8-6)31add. Chiu Chuischu Ranch. Drilled unused water-table well in sand and gravel, diam 20 in (51 cm), depth 280 ft (85 m), cased 0-220 ft (0-67 m), perforated 75-208 ft (23-63 m). Lsd 1,518 ft (463 m) above msl. MP top of casing, at lsd. Highest water level 128.9 ft (39.3 m) below lsd, Feb. 14, 1952; lowest 216.8 ft (66.1 m) below lsd, Jan. 24, 1969. Records available: 1952, 1955-64, 1966-74. Jan. 12, 1971, 213.2; Jan. 2, 1972, 213.1; Jan. 17, 1973, 213.5; Jan. 8, 1974, 212.5.
324312110381601. Local number (D-8-17)19dad1. Carmen and Edward Mungaray. Drilled domestic water-table well in alluvial fill, diam 6 in (15 cm), reported depth 46 ft (14 m), casing information not available. Lsd about 2,400 ft (732 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 5.4 ft (1.7 m) below lsd, Mar. 18, 1966; lowest 18.2 ft (5.6 m) below lsd, Dec. 7, 1953. Records available: 1949-58, 1961-74. Jan. 19, 1971, 16.0; Feb. 17, 1972, 14.0; Jan. 26, 1973, 12.9; Feb. 13, 1974, 17.3.
323753111204601. Local number (D-9-10)19aaa. Clemens Cattle Co. Drilled unused water-table well in alluvial fill, diam 20 in (51 cm), depth 600 ft (183 m), cased to 486 ft (148 m), perforated 240-486 ft (73-148 m). Lsd about 1,830 ft (558 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 181.1 ft (55.2 m) below lsd, Mar. 28, 1955; lowest 226.7 ft (69.1 m) below lsd, Jan. 17, 1968. Records available: 1953-64, 1966-74. Jan. 4, 1971, 221.2; Jan. 2, 1972, 214.5; Jan. 18, 1973, 219.7; Jan. 7, 1974, 217.9.

32394211030201. Local number (D-9-13)7cbc. Foreman. Drilled stock water-table well in alluvial fill, diam 6 in (15 cm), reported depth 275 ft (84 m), casing information not available. Lsd about 3,115 ft (949 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 43.0 ft (13.1 m) below lsd, Sept. 23, 1955; lowest 111.5 ft (34.0 m) below lsd, Jan. 6, 1953. Records available: 1952-74. Jan. 2, 1971, 57.9; Feb. 17, 1972, 46.8; Feb. 7, 1973, 48.7; Jan. 30, 1974, 53.6.

323644110461201. Local number (D-9-15)36bbc. A. I. Kendall. Dug domestic water-table well in granitic rocks, diam 4 ft (1 m), reported depth 92 ft (28 m), casing information not available. Lsd about 4,500 ft (1,372 m) above msl. MP top of floorboard, 0.40 ft (0.12 m) above lsd. Highest water level 32.7 ft (10.0 m) below lsd, Feb. 13, 1974; lowest 82.1 ft (25.0 m) below lsd, Aug. 16, 1954. Records available: 1949-74. Jan. 19, 1971, 48.0; Feb. 17, 1972, 38.1; Jan. 26, 1973, 35.4; Feb. 13, 1974, 32.7.

#### Santa Cruz County

312758110590001. Local number (D-22-13)35dcd. T. T. Pendleton. Drilled irrigation water-table well in sand and gravel, diam 20 in (51 cm), depth 90 ft (27 m), cased 0-90 ft (0-27 m). Lsd about 3,430 ft (1,045 m) above msl. MP south side of 14-in (3.8-cm) pipe, 0.50 ft (0.15 m) above lsd. Highest water level 7.4 ft (2.3 m) below lsd, Jan. 23, 1968; lowest 53.0 ft (16.2 m) below lsd, Mar. 30, 1954. Records available: 1939-57, 1959-61, 1963-74. Water levels affected by intermittent flow in Santa Cruz River. Jan. 2, 1971, 17.5; Jan. 13, 1972, 9.8; Feb. 8, 1973, 18.0; Jan. 2, 1974, 18.5.

313225110453301. Local number (D-22-15)12aad. V. Farley. Drilled domestic water-table well in alluvial fill, diam 8 in (20 cm), reported depth 60 ft (18 m), cased 0-60 ft (0-18 m). Lsd about 4,035 ft (1,230 m) above msl. MP 2-in (5.1-cm) pipe at side of concrete base, 0.60 ft (0.18 m) above lsd. Highest water level 10.1 ft (3.1 m) below lsd, Jan. 25, 1956; lowest 26.0 ft (7.9 m) below lsd, June 8, 1954. Records available: 1949, 1952-64, 1966-74. Jan. 2, 1971, 19.2; Feb. 15, 1972, 13.9; Feb. 5, 1973, 18.2; Jan. 2, 1974, 12.0.

31219110541201. Local number (D-23-14)27baa. Ramon Michelena. Dug unused water-table well in sand and gravel, diam 5 ft (2 m), depth 36 ft (11 m), concrete casing 0-9 ft (0-3 m), open hole 9-36 ft (3-11 m). Lsd about 3,575 ft (1,090 m) above msl. MP top of concrete casing, 0.30 ft (0.09 m) above lsd. Highest water level 12.6 ft (3.8 m) below lsd, Jan. 6, 1960; lowest 21.8 ft (6.6 m) below lsd, July 28, 1948. Records available: 1939-57, 1959-61, 1963-74. Jan. 2, 1971, 14.5; Jan. 13, 1972, 14.8; Feb. 8, 1973, 13.1; Jan. 2, 1974, 16.6.

312119110351701. Local number (D-24-17)11cda. U.S. Geol. Survey. Driven observation water-table well in alluvial fill, diam 1 in (2.5 cm), depth 23 ft (7 m), cased to 23 ft (7 m). Lsd about 4,650 ft (1,417 m) above msl. MP top of casing, 1.30 ft (0.40 m) above lsd. Highest water level 1.8 ft (0.6 m) below lsd, Dec. 30, 1955; lowest 14.6 ft (4.5 m) below lsd, July 24, 1964. Records available: 1949-74. Water levels affected by intermittent flow in Santa Cruz River.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1971	5.0	Jan. 1, 1972	4.0	Nov. 27, 1972	5.0	Jan. 21, 1974	5.1
Feb. 21	4.3	Feb. 25	3.9	Dec. 21	4.9	Feb. 22	5.6
Mar. 24	4.6	Feb. 23	4.8	Feb. 9, 1973	4.4	Mar. 26	5.0
Apr. 27	4.8	Mar. 29	4.7	Mar. 26	4.1	May 24	6.0
May 25	2.8	Apr. 27	4.7	Mar. 22	4.5	June 25	6.8
June 24	5.7	May 26	5.0	Apr. 27	4.5	July 25	6.3
July 28	5.8	June 28	5.5	May 24	6.4	Aug. 27	5.5
Aug. 30	4.5	July 26	5.7	June 26	5.9	Sept. 24	5.2
Sept. 23	4.6	Aug. 24	5.8	July 24	5.6	Oct. 21	5.2
Oct. 27	4.3	Sept. 26	6.0	Aug. 27	5.3	Nov. 25	5.0
Dec. 18	3.6	Oct. 27	5.5	Nov. 27	5.8	Dec. 23	5.7

#### Yavapai County

341657112431201. Local number (B-11-4)19bcc. Dan Resner. Drilled unused water-table well in sand and gravel, diam 6 in (15 cm), reported depth 47 ft (14 m), casing information not available. Lsd about 4,454 ft (1,358 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 16.50 ft (5.03 m) below lsd, July 3, 1946; lowest 32.10 ft (9.78 m) below lsd, Feb. 5, 1965. Records available: 1946, 1948-49, 1951-57, 1959-60, 1962-66, 1968-72, 1974. No measurement made in 1973. Mar. 23, 1971, 22.0; Mar. 16, 1972, 23.0; Feb. 14, 1974, 17.3.

342822112531201. Local number (B-13-6)9dd. J. W. Ropeter. Dug irrigation water-table well in sand and gravel, diam 6 ft (2 m), depth 52 ft (16 m), casing wood-lined. Lsd about 2,500 ft (762 m) above msl. MP through bolt hole of pumpbase, at lsd. Highest water level 14.0 ft (4.3 m) below lsd, Jan. 17, 1945; lowest 19.9 ft (6.1 m) below lsd, Apr. 26, 1961. Records available: 1945-49, 1951-57, 1959-74. Mar. 23, 1971, 16.6; Mar. 8, 1972, 15.7; Apr. 4, 1973, 15.7; Feb. 13, 1974, 16.4.

343103112405101. Local number (B-14-4)33acb. C. C. McLain. Drilled unused water-table well in sand and gravel, diam 14 in (36 cm), depth 85 ft (26 m), casing information not available. Lsd about 4,340 ft (1,323 m) above msl. MP hole in casing, 0.50 ft (0.15 m) above lsd. Highest water level 11.0 ft (3.4 m) below lsd, Apr. 14, 1945; lowest 21.2 ft (6.5 m) below lsd, Feb. 3, 1965. Records available: 1944-49, 1951-57, 1959-74. Mar. 23, 1971, 20.7; Mar. 8, 1972, 21.0; Mar. 22, 1973, 20.7; Feb. 13, 1974, 20.4.

Yuma County

334817113341501. Local number (B-5-13)1cba. O. J. Churchill. Drilled irrigation water-table well in alluvium, diam 20 in (51 cm), depth 730 ft (223 m), cased to 730 ft (223 m), perforated 400-730 ft (122-223 m). Lsd about 1,858 ft (566 m) above msl. MP base of pump, 0.50 ft (0.15 m) above lsd. Highest water level 105.6 ft (32.2 m) below lsd, Oct. 10, 1958; lowest 254.2 ft (77.5 m) below lsd, Jan. 2, 1974. Records available: 1958-63, 1965, 1967-71, 1973-74. No measurement made in 1972. Jan. 27, 1971, 212.2; Mar. 6, 1973, 232.8; Jan. 2, 1974, 254.2

334725113544501. Local number (B-5-16)10ddd. Crowder Cattle Co. Drilled unused water-table well in sand and gravel, diam 16 in (41 cm), depth 164 ft (50 m), casing information not available. Lsd about 1,070 ft (326 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 112.6 ft (34.3 m) below lsd, Feb. 21, 1946; lowest 116.7 ft (35.6 m) below lsd, Feb. 23, 1971, Jan. 4, 1973. Records available: 1946, 1948-63, 1965-74. Feb. 23, 1971, 116.7; Feb. 16, 1972, 115.9; Jan. 4, 1973, 116.7; Jan. 8, 1974, 115.5.

324505113581401. Local number (C-8-17)1laaa. Mohawk M.W.C.D. Drilled unused water-table well in sand and gravel, diam 20 in (51 cm), reported depth 105 ft (32 m), cased to 105 ft (32 m), perforated 65-100 ft (20-30 m). Lsd about 261 ft (80 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 11.6 ft (3.5 m) below lsd, Mar. 16, 1961; lowest 33.0 ft (10.1 m) below lsd, Mar. 13, 1956. Records available: 1956-59, 1961-74. Jan. 28, 1971, 17.0; Jan. 12, 1972, 18.3; Jan. 2, 1973, 19.2; Jan. 4, 1974, 18.0.

323840114320101. Local number (C-9-22)17dca. Hairgrove. Drilled unused water-table well in sand and gravel, diam 16 in (41 cm), depth 195 ft (59 m), casing information not available. Lsd 205 ft (62 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 52.5 ft (16.0 m) below lsd, Nov. 15, 1960; lowest 97.6 ft (29.8 m) below lsd, Sept. 5, 1946. Records available: 1945-58, 1960-74. Jan. 28, 1971, 58.0; Feb. 29, 1972, 57.1; Jan. 2, 1973, 57.4; Jan. 10, 1974, 57.6.

## References

- Akers, J. P., Shorty, J. C., and Stevens, P. R., 1971, Hydrogeology of the Cenozoic igneous rocks, Navajo and Hopi Indian Reservations, Arizona, New Mexico, and Utah: U.S. Geol. Survey Prof. Paper 521-D, 18 p., 2 pls., 2 figs., 3 tables.
- Anderson, T. W., 1972, Electrical-analog analysis of the hydrologic system, Tucson Basin, southeastern Arizona: U.S. Geol. Survey Water-Supply Paper 1939-C, 34 p., 6 pls., 8 figs., 1 table.
- Babcock, H. M., 1972, Annual report on ground water in Arizona, spring 1970 to spring 1971: Arizona Water Comm. Bull. 1, 45 p., 30 figs., 1 table.
- \_\_\_\_\_, 1972, Bibliography of U.S. Geological Survey water-resources reports for Arizona, May 1965 through June 1971: Arizona Water Comm. Bull. 2, 60 p.
- \_\_\_\_\_, 1973, Annual report on ground water in Arizona, spring 1971 to spring 1972: Arizona Water Comm. Bull. 5, 48 p., 32 figs., 1 table.
- \_\_\_\_\_, 1974, Annual report on ground water in Arizona, spring 1972 to spring 1973: Arizona Water Comm. Bull. 7, 46 p., 3 pls., 30 figs., 1 table.
- Brown, S. G., 1973, Preliminary maps showing the ground-water resources in the lower Colorado River region, Arizona, Nevada, New Mexico, and Utah: U.S. Geol. Survey open-file report, 3 sheets.
- Cooley, M. E., 1973, Map showing distribution and estimated thickness of alluvial deposits in the Phoenix area, Arizona: U.S. Geol. Survey Misc. Inv. Ser. Map I-845-C, 1 sheet.
- \_\_\_\_\_, 1973, Map showing distribution and estimated thickness of alluvial deposits in the Tucson area, Arizona: U.S. Geol. Survey Misc. Inv. Ser. Map I-844-C, 1 sheet.
- Davidson, E. S., 1973, Geohydrology and water resources of the Tucson Basin, Arizona: U.S. Geol. Survey Water-Supply Paper 1939-E, 81 p., 7 pls., 3 figs., 3 tables.
- \_\_\_\_\_, 1973, Water-resources appraisal of the Big Sandy area, Mohave County, Arizona: Arizona Water Comm. Bull. 6, 40 p., 2 pls., 4 figs., 2 tables.
- Denis, E. E., 1971, Ground-water conditions in the Harquahala Plains, Maricopa and Yuma Counties, Arizona: Arizona State Land Dept. Water-Resources Rept. 45, 44 p., 2 pls., 7 figs., 4 tables.
- Gillespie, J. B., and Bentley, C. B., 1971, Geohydrology of Hualapai and Sacramento Valleys, Mohave County, Arizona: U.S. Geol. Survey Water-Supply Paper 1899-H, 37 p., 2 pls., 6 figs., 4 tables.
- Hanson, R. L., 1972, Subsurface hydraulics in the area of the Gila River Phreatophyte Project, Graham County, Arizona, with a section on aquifer tests by S. G. Brown: U.S. Geol. Survey Prof. Paper 655-F, 27 p., 16 pls., 13 tables.
- Kister, L. R., 1973, Quality of ground water in the lower Colorado River region, Arizona, Nevada, New Mexico, and Utah: U.S. Geol. Survey Hydrol. Inv. Atlas HA-478, 2 sheets.
- \_\_\_\_\_, 1974, Dissolved-solids content of ground water in the Phoenix area, Arizona: U.S. Geol. Survey Misc. Inv. Ser. Map I-845-G, 1 sheet.
- \_\_\_\_\_, 1974, Dissolved-solids content of ground water in the Tucson area, Arizona: U.S. Geol. Survey Misc. Inv. Ser. Map I-844-I, 1 sheet.
- McGavock, E. H., and Edmonds, R. J., 1974, Availability of ground water for irrigation, municipal, or industrial use in the Navajo and Hopi Indian Reservations, Arizona, New Mexico, and Utah: U.S. Geol. Survey Misc. Inv. Ser. Map I-878, 4 sheets.
- McGavock, E. H., and Levings, G. W., 1973, Ground water in the Navajo Sandstone in the Black Mesa area, Arizona: New Mexico Geol. Soc. 24th Field Conf., 1973, Guidebook of Monument Valley and vicinity, Arizona and Utah, p. 150-155, 5 figs.
- McGavock, E. H., and Levings, G. W., 1974, Ground water in the Navajo Sandstone in the Black Mesa area, Arizona, in Geology of northern Arizona, with notes on archaeology and paleoclimate--Part 2. Area studies and field guides: Geol. Soc. America, p. 757-767, 5 figs.
- Metzger, D. G., and Loeltz, O. J., 1973, Geohydrology of the Needles area, Arizona, California, and Nevada: U.S. Geol. Survey Prof. Paper 486-J, 54 p., 3 pls., 25 figs., 11 tables.
- Metzger, D. G., Loeltz, O. J., and Irelan, Burdge, 1973, Geohydrology of the Parker-Blythe-Cibola area, Arizona and California: U.S. Geol. Survey Prof. Paper 486-G, 130 p., 6 pls., 37 figs., 14 tables.
- Moosburner, Otto, 1972, Analysis of the ground-water system by electrical-analog model, Avra Valley, Pima and Pinal Counties, Arizona: U.S. Geol. Survey Hydrol. Inv. Atlas HA-215, 2 sheets.
- Olmsted, F. H., Loeltz, O. J., and Irelan, Burdge, 1973, Geohydrology of the Yuma area, Arizona and California: U.S. Geol. Survey Prof. Paper 486-H, 227 p., 17 pls., 58 figs., 21 tables.
- Osterkamp, W. R., 1973, Map showing depth to water in wells in the Phoenix area, Arizona, 1972: U.S. Geol. Survey Misc. Inv. Ser. Map I-845-D, 1 sheet.
- \_\_\_\_\_, 1973, Map showing depth to water in wells in the Tucson area, Arizona, 1972: U.S. Geol. Survey Misc. Inv. Ser. Map I-844-D, 1 sheet.
- \_\_\_\_\_, 1973, Map showing distribution of recoverable ground water in the Tucson area, Arizona: U.S. Geol. Survey Misc. Inv. Ser. Map I-844-F, 1 sheet.



## References--Continued.

- 1973, Ground-water recharge in the Tucson area, Arizona: U.S. Geol. Survey Misc. Inv. Serv. Map I-844-E, 1 sheet.
- 1974, Map showing ground-water velocities in the uppermost saturated alluvial deposits of the Tucson area, Arizona: U.S. Geol. Survey Misc. Inv. Ser. Map I-844-K, 1 sheet.
- 1974, Chemical quality of ground water for public supply in the Phoenix area, Arizona: U.S. Geol. Survey Misc. Inv. Ser. Map I-845-F, 1 sheet.
- Osterkamp, W. R., and Laney, R. L., 1974, Map showing chemical quality of ground water for public supply in the Tucson area, Arizona: U.S. Geol. Survey Misc. Inv. Ser. Map I-844-L, 1 sheet.
- Roeske, R. H., and Werrell, W. L., 1971, Hydrologic conditions in the San Pedro River Valley, Arizona: Arizona Water Comm. Bull. 4, 76 p., 2 pls., 5 figs., 5 tables.
- Schumann, H. H., and Thomsen, B. W., 1972, Hydrologic regimen of lower Tonto Creek Basin, Gila County, Arizona--a reconnaissance study: Arizona Water Comm. Bull. 3, 39 p., 14 figs., 1 table.
- Stulik, R. S., 1974, Ground-water conditions in the lower Hassayampa area, Maricopa County, Arizona: Arizona Water Comm. Bull. 8, 52 p., 2 pls., 3 figs., 5 tables.
- Weist, W. G., Jr., 1971, Geology and ground-water system in the Gila River Phreatophyte Project area, Graham County, Arizona: U.S. Geol. Survey Prof. Paper 655-D, 22 p., 3 pls., 10 figs., 2 tables.

# CALIFORNIA

The observation-well program in California was continued during the period 1971-74 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 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 SW¼SW¼ 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

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

### Del Norte County

#### Smith River Basin

414643124115601. Local number 16N/1W-17K1 H. D. Bergquist. About 1.5 mi (2.4 km) north of Crescent City. Drilled domestic water-table well in Battery Formation of Pleistocene age, diam 6 in (15 cm), depth 40 ft (12 m), perforated 34-39 ft (10-12 m). Lsd 48 ft (15 m) above msl. Highest water level 7.3 ft (2.2 m) below lsd, Mar. 28, 1961; lowest 24.00 ft (7.32 m) below lsd, Jan. 27, 1960. Records available: 1953-54, 1958-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 14, 1971	10.1	Apr. 4, 1972	9.1	Apr. 10, 1973	14.2	Apr. 17, 1974	9.6
Oct. 13	21.2	Oct. 11	21.3	Sept. 24	22.1	Nov. 10	22.6

415322124084701. Local number 17N/1W-2P1 H. Homer Martin. About 1.6 mi (2.6 km) north of Fort Dick. Drilled domestic water-table well in flood-plain deposits, diam 8 in (20 cm), depth 26 ft (8 m), casing information not available. Lsd 31 ft (9 m) above msl. Highest water level 10.9 ft (3.3 m) below lsd, Mar. 30, 1960; lowest 23.43 ft (7.14 m) below lsd, Oct. 14, 1964. Records available: 1952, 1958-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 14, 1971	15.6	Apr. 4, 1972	16.0	Apr. 10, 1973	16.5	Apr. 17, 1974	16.6
Oct. 13	21.1	Oct. 11	20.7	Sept. 24	19.0	Nov. 10	21.0

Humboldt County

## Eureka-Fortuna Area

403550124093101. 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 (30 cm), depth 496 ft (151 m), perforated 182-226 ft (55-69 m), 285-365 ft (87-111 m). Lsd 60 ft (18 m) above msl. Highest water level 23.3 ft (7.1 m) below lsd, Sept. 5, 1952; lowest 36.1 ft (11.0 m) below lsd, Nov. 17, 1959. Records available: 1951-53, 1958-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 14, 1971	30.8	Apr. 5, 1972	31.5	Apr. 11, 1973	31.8	Apr. 16, 1974	29.8
Oct. 12	34.8	Oct. 10	35.1	Sept. 25	36.0	Nov. 11	35.4

Kern County

## Antelope Valley-Willow Springs Area

345636118182001. Local number 10N/13W-19M1 S. Dewey Butler. About 4.5 mi (7.2 km) north of Willow Springs. Drilled unused water-table well in alluvium of Pleistocene age, diam 16 in (41 cm), depth 770 ft (235 m), cased with steel. Lsd 2,905 ft (885 m) above msl. Highest water level 291.61 ft (88.88 m) below lsd, Jan. 20, 1953; lowest 319.38 ft (97.35 m) below lsd, Sept. 18, 1969. Records available: 1953-74.

Mar. 15, 1971	318.00	Mar. 14, 1972	316.53	Mar. 24, 1973	315.81	Feb. 15, 1974	316.01
Oct. 26	317.04	Oct. 11	316.08	Oct. 4	315.52	Oct. 22	315.67

## Fremont Valley-Koehn Lake Area

352052117483001. Local number 30S/39E-8A1 M. Owner unknown. About 3 mi (5 km) east of Koehn Lake. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in (30 cm), depth 268 ft (82 m), cased with steel. Lsd 2,075 ft (632 m) above msl. Highest water level 136.55 ft (41.62 m) below lsd, Mar. 2, 1955; lowest 142.82 ft (43.53 m) below lsd, Apr. 12, 1967. Records available: 1953-74. Mar. 17, 1971, 140.10; Oct. 28, 140.13; Mar. 15, 1972, 140.14; Mar. 25, 1973, 140.20; Feb. 13, 1974, 140.37.

351104117590401. Local number 31S/37E-35N1 M. M. & R. Conklin Ranch. About 4 mi (6 km) north of California City. Drilled unused water-table well in alluvium of Pleistocene age, diam 16 in (41 cm), depth 429 ft (131 m), cased with steel. Lsd 2,320 ft (707 m) above msl. Highest water level 230.79 ft (70.34 m) below lsd, Jan. 22, 1953; lowest 267.04 ft (81.39 m) below lsd, Apr. 15, 1969. Records available: 1953, 1958-74.

Mar. 17, 1971	252.25	Mar. 15, 1972	253.28	Feb. 14, 1973	253.25	Feb. 12, 1974	251.60
Oct. 28	253.48	Oct. 12	254.09	Oct. 2	254.01	Oct. 23	253.18

## Indian Wells Valley

353828117401301. Local number 26S/40E-28J1 M. Drummond Medical Center. In Ridgecrest. Drilled standby water-table well in alluvium of Pleistocene(?) age, diam 14 in (36 cm), depth and casing information not available. Lsd 2,288.8 ft (697.6 m) above msl. Highest water level 98.3 ft (30.0 m) below lsd, Dec. 30, 1948; lowest 117.95 ft (35.95 m) below lsd, Aug. 23, 1972. Records available: 1948, 1952-69, 1971-74. Oct. 28, 1971, 114.28; June 17, 1972 (well being pumped); Aug. 23, 117.95 (well pumped recently); Oct. 18, 111.88; Oct. 17, 1973, 116.18 (well pumped recently); Oct. 24, 1974, 115.73.

Lake County

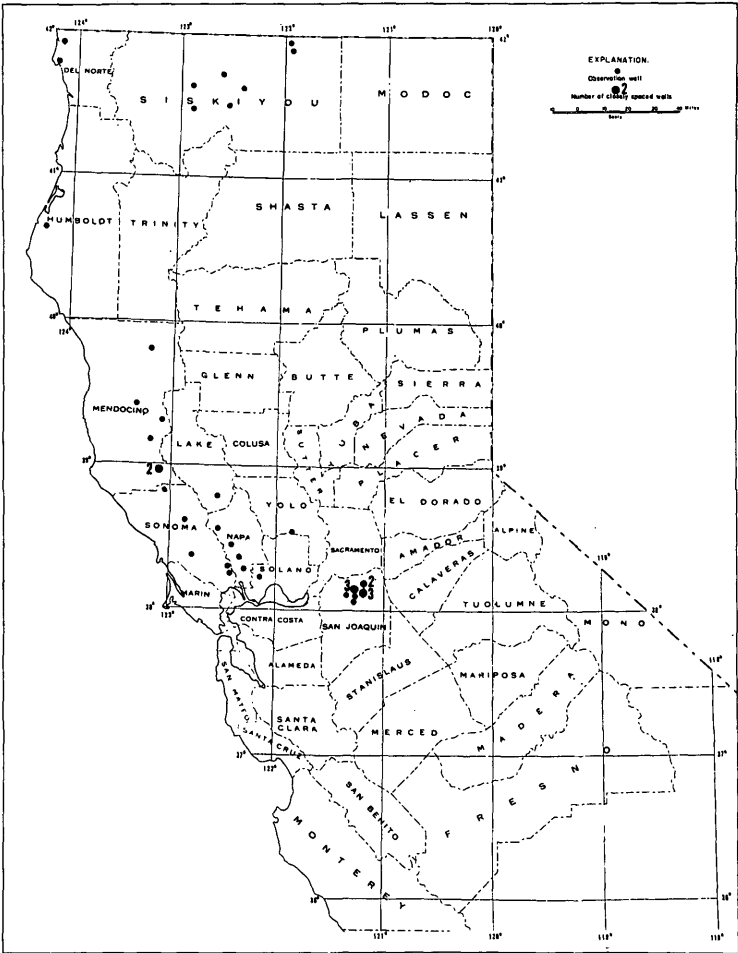
## Lower Lake-Middletown Area

384739122335201. Local number 11N/6W-19G1 M. Folezzi Arabian Horse Ranch. Formerly Roy Trimble. La-2-2 Ranch. About 4 mi (6 km) northeast of Middletown in Coyote Valley. Drilled domestic water-table well in alluvium of Quaternary age, diam 8 in (20 cm), depth 50 ft (15 m), casing information not available. Lsd 960 ft (293 m) above msl. Highest water level 1.54 ft (0.47 m) below lsd, Mar. 6, 1963; lowest 18.43 ft (5.62 m) below lsd, Oct. 4, 1961. Records available: 1950-54, 1956-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources.

May 12, 1969	a13.1	Oct. 6, 1970	15.9	Mar. 8, 1972	b12.3	Oct. 4, 1973	15.3
June 16	a14.2	Mar. 9, 1971	b12.4	Oct. 10	16.6	Mar. 11, 1974	11.5
Mar. 27, 1970	12.2	Oct. 4	b16.0	Mar. 21, 1973	12.0	Oct. 10	14.8

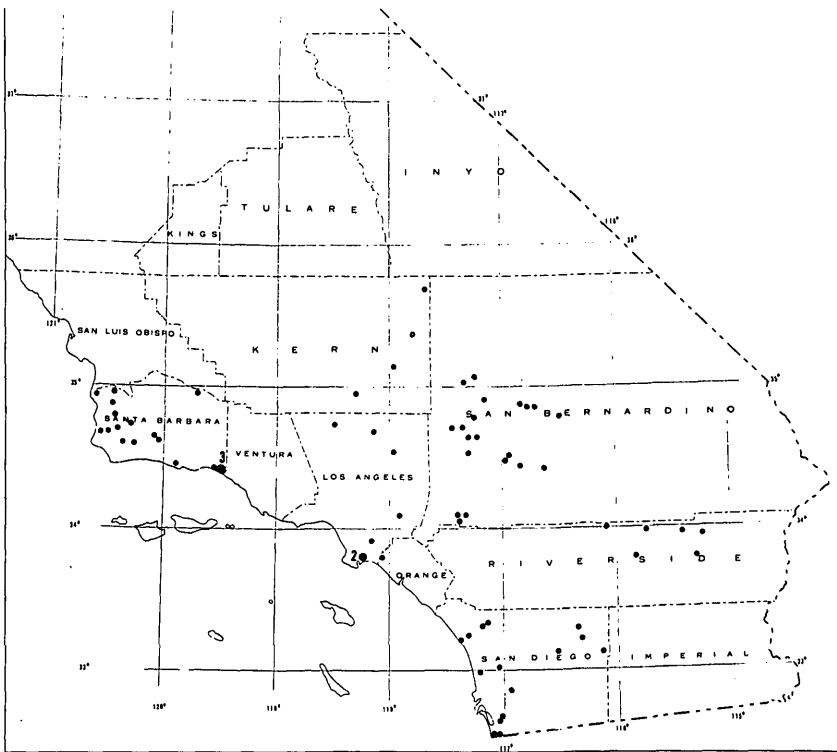
a Well being pumped.

b Well pumped recently.



Northern California

Figure 3.--Location of observation



Southern California

wells in California, 1971-74.

Los Angeles County

## Antelope Valley

343237117582401. Local number 5N/10W-6N1 S. Little Rock Irrigation District. Near Little Rock. Drilled unused water-table well in alluvium, diam 14 in (36 cm), depth 250+ ft (76+ m), cased with steel. Lsd 2,777.2 ft (846.5 m) above msl. Highest water level 85.0 ft (25.9 m), below lsd, Mar. 2, 1945; lowest 147.30 ft (44.90 m) below lsd, July 17, 1956. Records available: 1938, 1940-74. Records furnished by Los Angeles County Flood Control District and U.S. Geol. Survey.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1971	114.8	Jan. 11, 1972	115.2	Jan. 4, 1973	117.6	January 1974	119.5
Feb. 2	112.9	Feb. 3	115.8	Feb. 5	118.3	Feb. 4	118.8
Mar. 16	113.3	Mar. 6	115.4	Mar. 7	117.1	Mar. 16	119.5
Apr. 29	116.6	Apr. 13	116.3	Apr. 9	118.5	Apr. 9	120.0
May 26	116.8	May 11	117.7	May 3	120.6	May 2	122.1
June 15	116.9	June 7	117.4	June 1	121.2	June 7	124.1
July 19	117.1	July 6	119.7	July 3	123.0	July 17	126.3
Aug. 9	119.5	Aug. 2	119.7	Aug. 2	123.6	Aug. 1	125.4
Sept. 7	118.4	Sept. 5	119.5	Sept. 11	123.1	Sept. 11	122.7
Oct. 18	117.0	Oct. 5	120.0	Oct. 3	121.9	Oct. 10	120.5
Nov. 15	115.9	Nov. 3	118.7	Nov. 12	120.3	Nov. 6	119.8
Dec. 16	116.2	Dec. 11	117.1	Dec. 3	119.8	Dec. 13	119.9

344149118082201. Local number 7N/12W-15F2 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 (41 to 30 cm), depth 600 ft (183 m), 16-in (41-cm) casing to 244 ft (74 m), 12-in (30-cm) casing to 372 ft (113 m). Lsd 2,354 ft (718 m) above msl. Highest water level 42.9 ft (13.1 m) below lsd, Feb. 28, 1945; lowest 165.87 ft (50.56 m) below lsd, Nov. 4, 1971. Records available: 1943-45, 1947-55, 1957-72. Measurement discontinued Feb. 15, 1973. Mar. 16, 1971, 153.05; Nov. 4, 165.87; Mar. 13, 1972, 162.92.

34442118282201. Local number 8N/15W-33G1 S. J. Alesso. West of Fairmont. Drilled domestic water-table well in alluvium, diam 12 in (30 cm), depth 400 ft (122 m), cased with steel. Lsd 2,930 ft (893 m) above msl. Highest water level 194.0 ft (59.1 m) below lsd, Jan. 23, 1946; lowest 284.00 ft (86.56 m) below lsd, Nov. 12, 1959. Records available: 1946-65, 1967-74. Mar. 17, 1971, 222.65; Oct. 27, 221.72; Mar. 15, 1972, 221.76; Feb. 14, 1973, 223.40; Feb. 13, 1974, 223.90.

## Coastal Plain

335506118083201. 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 (20 cm), depth 248 ft (76 m), cased with steel. Lsd 92 ft (28 m) above msl. Highest water level 14.45 ft (4.40 m) below lsd, Mar. 20, 1930; lowest 83.69 ft (25.51 m) below lsd, Aug. 27, 1962. Records available: 1930-74. Records furnished by San Gabriel Valley Protective Association.

Jan. 4, 1971	63.5	Jan. 3, 1972	61.7	Jan. 1, 1973	63.1	Jan. 7, 1974	64.6
Feb. 1	62.9	Feb. 7	62.1	Feb. 5	62.8	Feb. 4	63.8
Mar. 1	62.8	Mar. 6	62.6	Mar. 5	62.6	Mar. 4	63.7
Apr. 5	63.5	Apr. 3	62.4	Apr. 2	62.6	Apr. 1	63.5
May 3	63.5	May 1	62.8	May 7	64.3	May 6	64.1
June 7	64.1	June 5	63.3	June 4	64.2	June 3	64.7
July 5	64.1	July 3	63.7	July 2	65.4	July 1	66.0
Aug. 2	64.7	Aug. 7	64.4	Aug. 6	66.1	Aug. 5	65.8
Sept. 6	64.8	Sept. 4	64.2	Sept. 3	67.3	Sept. 2	65.7
Oct. 4	64.4	Oct. 2	64.4	Oct. 1	66.4	Oct. 7	65.5
Nov. 1	63.2	Nov. 6	64.1	Nov. 5	66.4	Nov. 4	64.6
Dec. 6	62.2	Dec. 4	63.2	Dec. 3	65.3	Dec. 2	64.3

344929118124401. 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 (25 cm), depth 114 ft (35 m), perforated 90-114 ft (27-35 m). Lsd 28.55 ft (8.70 m) above msl. Highest water level 20.62 ft (6.28 m) below lsd, Apr. 5, 1941; lowest 373.86 ft (22.51 m) below lsd, Sept. 22, 1971. Records available: 1930-74. Records furnished by city of Long Beach.

Jan. 20, 1971	165.02	Jan. 26, 1972	163.12	Jan. 24, 1973	168.22	Dec. 19, 1973	159.62
Feb. 24	165.27	Feb. 28	163.22	Feb. 14	162.72	Jan. 2, 1974	159.82
Mar. 24	165.12	Mar. 15	163.32	Mar. 14	161.52	Feb. 20	159.22
Apr. 21	164.87	Apr. 26	163.02	Apr. 25	160.92	Mar. 20	159.12
May 19	164.17	May 24	163.32	May 23	163.12	Apr. 19	159.02
June 23	165.02	June 14	162.82	June 13	160.62	May 23	158.92
July 21	164.32	July 21	162.52	July 18	163.12	June 19	158.62
Aug. 25	164.12	Sept. 20	162.22	Aug. 15	164.62	July 19	158.52
Sept. 22	173.86	Oct. 18	161.92	Sept. 19	159.92	Oct. 2	158.12
Oct. 27	163.57	Nov. 17	163.12	Oct. 10	159.82	Nov. 20	158.72
Nov. 17	163.92	Dec. 21	161.62	Nov. 7	159.82	Dec. 20	158.02
Dec. 29	163.32						

j Water level below sea level.

334905118124601. 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 (66 to 41 cm), depth 1,074 ft (327 m), perforated 650-900 ft (198-274 m). Lsd 23.23 ft (7.08 m) above msl. Highest water level 52.93 ft (16.13 m) below lsd, Feb. 6, 1939; lowest 131.75 ft (40.16 m) below lsd, Jan. 20, 1953. Records available: 1932-74. Records furnished by city of Long Beach.

334905118124601--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1971	j119.73	Jan. 26, 1972	j123.08	Jan. 24, 1973	j120.68	Jan. 23, 1974	j117.48
Feb. 24	j115.38	Feb. 28	j123.48	Feb. 21	j119.68	Feb. 20	j119.08
Mar. 24	j119.83	Mar. 22	j121.78	Mar. 21	j120.28	Mar. 20	j116.28
Apr. 21	j121.23	Apr. 26	j123.28	Apr. 25	j123.58	Apr. 19	j119.68
May 19	j121.38	May 24	j124.08	May 23	j125.38	May 22	j122.13
June 23	j119.73	June 21	j126.43	June 20	j127.48	June 19	j122.68
July 21	j125.88	July 21	j127.28	July 18	j128.48	July 19	j123.48
Aug. 25	j128.03	Aug. 23	j130.93	Aug. 22	j129.03	Aug. 21	j124.78
Sept. 22	j122.20	Sept. 20	j128.88	Sept. 19	j126.38	Sept. 18	j123.18
Oct. 27	j123.63	Oct. 18	j126.08	Oct. 17	j125.53	Oct. 23	j121.98
Nov. 17	j122.78	Nov. 22	j121.03	Nov. 21	j121.98	Nov. 20	j123.88
Dec. 29	j122.28	Dec. 21	j121.48	Dec. 19	j122.18	Dec. 18	j122.78

J Water level below sea level.

## San Gabriel River Basin

340535117573501. 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 (41 cm), depth 200 ft (61 m), perforated 74-174 ft (23-53 m), 181-196 ft (55-60 m). Lsd 387 ft (118 m) above msl. Highest water level 56.0 ft (17.1 m) below lsd, May 19, 1916; lowest 177.98 ft (54.25 m) below lsd, Oct. 7, 8, 1965. Records available: 1903-74.

## Mean water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	130.92	130.65	126.38	125.95	124.87	124.99	126.02	126.31	127.87	128.10	129.89	130.14
10	129.92	125.48	125.16	126.70	128.32	130.53	133.50	137.28	140.42	143.01	144.40	145.14
15	128.98	125.14	124.87	127.00	128.64	130.90	134.15	137.90	141.02	143.40	144.50	145.30
20	128.05	124.92	125.45	127.22	129.08	131.46	134.72	138.45	141.51	143.61	144.66	145.42
25	127.23	124.85	125.65	127.46	129.50	132.00	135.31	138.92	141.88	143.85	144.83	145.47
Eom	126.48	124.85	125.87	127.80	129.87	132.47	135.97	139.51	142.20	143.97	144.88	145.45

## 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	145.47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	145.36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	145.41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	145.37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	145.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	145.54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1972	144.41	Nov. 15, 1972	163.23	Aug. 15, 1973	146.00	May 15, 1974	147.91
Mar. 15	144.70	Dec. 15	161.31	Sept. 15	149.39	June 15	149.06
Apr. 15	146.20	Jan. 15, 1973	161.19	Oct. 15	151.55	July 15	149.94
May 15	148.37	Feb. 15	161.19	Nov. 15	153.32	Aug. 15	151.91
June 15	150.99	Mar. 15	151.62	Dec. 15	152.82	Sept. 15	152.79
July 15	154.33	Apr. 15	139.13	Jan. 15, 1974	152.76	Oct. 15	155.01
Aug. 15	158.15	May 15	136.75	Feb. 15	147.75	Nov. 15	156.43
Sept. 15	160.40	June 15	137.58	Mar. 15	146.89	Dec. 15	157.22
Oct. 15	162.33	July 15	141.78	Apr. 15	147.53		

## Mendocino County

## Little Lake Valley

392459123210301. Local number 18N/13W-18E1 M. Northwestern Pacific R.R. At Willits. Drilled unused artesian well in alluvium of Holocene age and continental deposits of Pliocene and Pleistocene age, diam 12 in (30 cm), depth 493 ft (150 m), casing information not available. Lsd 1,350 ft (411 m) above msl. Highest water level 17.8 ft (5.4 m) below lsd, Apr. 18, 1974; lowest 37.6 ft (11.5 m) below lsd, Oct. 24, 1960. Records available: 1958-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources.

Apr. 15, 1971	24.4	Apr. 6, 1972	24.2	Apr. 13, 1973	18.4	Apr. 18, 1974	17.8
Oct. 14	28.4	Oct. 12	25.9	Oct. 3	26.0	Nov. 11	20.4

## Potter Valley

391944123065701. Local number 17N/11W-18J1 M. Orville Watkins. Formerly M. Carson. About 2.5 mi (4.0 km) southeast of Potter Valley. Drilled domestic artesian well in alluvium, diam 8 in (20 cm), depth 35 ft (11 m), casing information not available. Lsd 955 ft (291 m) above msl. Highest water level 1.33 ft (0.41 m) above lsd, Mar. 22, 1966; lowest 5.20 ft (1.58 m) below lsd, Oct. 13, 1964. Records available: 1951-55, 1958-74. Measurement resumed in 1969. Measurements made by California Department of Water Resources.

Mar. 20, 1969	+0.6	Oct. 6, 1970	+0.9	Mar. 8, 1972	+0.8	Oct. 4, 1973	+1.3
Oct. 8	.5	Mar. 11, 1971	.3	Oct. 11	.3	Mar. 11, 1974	.7
Mar. 26, 1970	.3	Oct. 5	.6	Mar. 19, 1973	.7	Oct. 10	1.2

## Round Valley

394802123115701. Local number 22N/12W-4B1 M. C. Rohn. About 2.5 mi (4.0 km) east of Covelo. Drilled irrigation artesian well in alluvium of Holocene age, diam 12 in (30 cm), depth 200 ft (61 m), casing information not available. Lsd 1,351 ft (412 m) above msl. Highest water level 3.7 ft (1.1 m) below lsd, Feb. 19, 1959; lowest 17.7 ft (5.4 m) below lsd, Dec. 15, 1959. Records available: 1951-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 15, 1971	5.4	Apr. 5, 1972	6.4	Apr. 12, 1973	6.2	Apr. 18, 1974	5.7
Oct. 14	14.7	Oct. 12	15.4	Oct. 3	15.4	Nov. 11	16.5

## Sanel Valley

385800123064801. Local number 13N/11W-19P1 M. Hanson Ranch. Formerly Charles Ashurst. About 0.4 mi (0.6 km) south of Hopland. Dug and drilled irrigation water-table well in alluvium of Holocene age, size 4 x 5 ft (1.2 x 1.5 m), depth 44 ft (13 m), 12-in (30-cm) casing to 44 ft (13 m), perforated 24-44 ft (7-13 m). Lsd 488 ft (149 m) above msl. Highest water level 1.3 ft (0.4 m) below lsd, Feb. 9, 1960; lowest 21.0 ft (6.4 m) below lsd, Oct. 2, 1958. Records available: 1953-55, 1958-74. Measurement resumed in 1969. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 19, 1969	9.4	Oct. 7, 1970	19.4	Mar. 8, 1972	9.0	Oct. 4, 1973	18.9
Oct. 8	19.1	Mar. 11, 1971	10.3	Oct. 11	18.8	Mar. 12, 1974	6.8
Mar. 26, 1970	9.4	Oct. 5	19.2	Mar. 19, 1973	9.2	Oct. 9	18.0

385831123052201. Local number 13N/11W-20G1 M. I. Bliss. About 0.5 mi (0.8 km) east of East Hopland. Drilled domestic artesian well in alluvium of Holocene age, diam 6 in (15 cm), depth 135 ft (41 m), casing information not available. Lsd 515 ft (157 m) above msl. Highest water level 2.3 ft (0.7 m) below lsd, Feb. 8, 1960; lowest 64.21 ft (19.57 m) below lsd, Oct. 4, 1961. Records available: 1953-55, 1958-74. Measurement resumed in 1969. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 19, 1969	4.7	Oct. 7, 1970	12.9	Mar. 8, 1972	4.7	Oct. 4, 1973	12.8
Oct. 8	12.7	Mar. 11, 1971	5.0	Oct. 11	12.4	Mar. 12, 1974	4.2
Mar. 26, 1970	4.7	Oct. 5	17.9	Mar. 19, 1973	9.7	Oct. 9	12.1

## Ukiah Area

391026123123201. Local number 15N/12W-8L1 M. Arnold Bogner. About 1 mi (2 km) north of Ukiah. Drilled domestic water-table well in terrace deposits of Holocene age, diam 12 in (30 cm), depth 62 ft (19 m), casing information not available. Lsd 665 ft (203 m) above msl. Highest water level 10.10 ft (3.08 m) below lsd, Mar. 9, 1962; lowest 30.6 ft (9.3 m) below lsd, Dec. 5, 1959. Records available: 1951-55, 1958-74. Measurement resumed in 1969. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 20, 1969	17.0	Oct. 6, 1970	28.1	Mar. 8, 1972	17.2	Oct. 4, 1973	26.3
Oct. 8	26.9	Mar. 11, 1971	19.0	Oct. 11	26.7	Mar. 12, 1974	16.2
Mar. 26, 1970	17.8	Oct. 5	26.4	Mar. 19, 1973	17.2	Oct. 9	26.2

## Napa County

## Napa Valley

381730122163201. Local number 5N/4W-11M1 M. DeWitt Machine Shop. Napa. Drilled unused water-table well in alluvium, diam 8 in (20 cm), depth 77 ft (23 m), casing information not available. Lsd 13 ft (4 m) above msl. Highest water level 2.56 ft (0.78 m) below lsd, Jan. 22, 1951; lowest 10.5 ft (3.2 m) below lsd, Sept. 8, 1950. Records available: 1950-74. Measurement resumed in October 1969. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 7, 1969	8.9	Mar. 9, 1971	7.5	Oct. 10, 1972	7.7	Mar. 8, 1974	4.8
Mar. 27, 1970	7.0	Oct. 7	8.7	Mar. 21, 1973	5.2	Oct. 2	8.2
Oct. 5	8.5	Mar. 8, 1972	7.3	Oct. 2	8.2		

382218122190101. Local number 6N/4W-17A1 M. L. N. Bianchini. Formerly R. Ohlandt. About 4 mi (6 km) north of Napa. Drilled irrigation water-table well in alluvium, diam 12 in (30 cm), depth 250 ft (76 m), cased to 250 ft (76 m). Lsd 67 ft (20 m) above msl. Highest water level 0.6 ft (0.2 m) below lsd, Feb. 21, 1969; lowest 23.7 ft (7.2 m) below lsd, Oct. 6, 1960. Records available: 1949-74. Measurement resumed in October 1969. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 7, 1969	13.1	Mar. 9, 1971	6.1	Oct. 10, 1972	18.4	Mar. 8, 1974	4.2
Mar. 27, 1970	3.3	Oct. 7	13.8	Mar. 21, 1973	3.2	Oct. 2	al4.9
Oct. 5	13.5	Mar. 8, 1972	10.9	Oct. 2	al3.5		

a Well being pumped.

382750122250401. Local number 7N/5W-16B2 M. Lamont Morton. Formerly W. E. Lawson. About 0.25 mi (0.40 km) northeast of Rutherford. Drilled unused water-table well in alluvium, diam 10 in (25 cm), depth 232 ft (71 m), casing information not available. Lsd 155 ft (47 m) above msl. Highest water level 4.0 ft (1.2 m) below lsd, Mar. 27, 1952; lowest 28.3 ft (8.6 m) below lsd, Sept. 7, 1961. Records available: 1949-53, 1955-74. Measurement resumed in October 1969. Measurements made by California Department of Water Resources.



382750122250401--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 7, 1969	16.9	Mar. 9, 1971	12.0	Oct. 10, 1972	19.8	Mar. 8, 1974	6.8
Mar. 27, 1970	7.6	Oct. 7	17.6	Mar. 21, 1973	7.5	Oct. 2	16.9
Oct. 5	18.1	Mar. 8, 1972	11.2	Oct. 2	18.4		

383326122311801. Local number 8N/6W-10Q1 M. Marolf Bros. About 3.5 mi (5.6 km) southeast of Calistoga. Drilled stock and irrigation water-table well in alluvium, diam 10 in (25 cm), depth 184 ft (56 m), casing information not available. Lsd 290 ft (88 m) above msl. Highest water level 0.1 ft (0.03 m) above lsd, Mar. 20, 1967; lowest 40.8 ft (12.4 m) below lsd, Sept. 14, 1950. Records available: 1949-74. Measurement resumed in October 1969. Measurements made by California Department of Water Resources.

Oct. 7, 1969	6.8	Mar. 9, 1971	2.4	Oct. 10, 1972	8.4	Mar. 8, 1974	1.4
Mar. 27, 1970	2.1	Oct. 7	7.1	Mar. 21, 1973	1.4	Oct. 2	6.6
Oct. 5	7.2	Mar. 8, 1972	2.1	Oct. 2	7.8		

Orange County

## Coastal Plain

334837118040001. 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 (30 cm), depth 448 ft (137 m), perforated 440-460 ft (134-140 m). Lsd 28.50 ft (8.69 m) above msl. Highest water level flowing, 1901; lowest 73.53 ft (22.41 m) below lsd, July 22, 1957. Records available: 1901, 1903, 1929-74. Records furnished by city of Long Beach.

Jan. 20, 1971	25.08	Feb. 28, 1972	134.78	Jan. 24, 1973	137.48	Jan. 23, 1974	134.43
Feb. 24	27.48	Mar. 22	135.38	Feb. 21	137.58	Feb. 20	137.53
Mar. 24	130.78	Apr. 19	140.38	Mar. 21	137.68	Mar. 21	137.98
Apr. 21	134.98	May 26	141.28	Apr. 18	142.78	Apr. 19	142.18
May 19	135.13	May 24	143.48	May 25	144.98	May 23	143.98
June 23	138.68	June 21	147.48	June 21	147.98	June 19	147.28
July 21	141.88	July 21	147.98	July 18	149.28	July 19	150.08
Aug. 25	147.68	Aug. 23	151.88	Aug. 22	148.58	Aug. 16	150.68
Sept. 22	147.73	Sept. 20	149.98	Sept. 21	145.98	Sept. 18	149.88
Oct. 27	138.48	Oct. 19	147.78	Oct. 17	145.08	Oct. 23	146.68
Nov. 17	135.48	Nov. 17	143.48	Nov. 27	140.08	Nov. 20	144.08
Dec. 29	130.58	Dec. 21	149.28	Dec. 19	137.78	Dec. 21	141.68
Jan. 27, 1972	131.58						

J Water level below sea level.

Riverside County

## Chuckwalla Valley

335133115141901. Local number 4S/17E-6C1 S. Harold Stark. About 13.5 mi (21.7 km) northeast of Desert Center. Drilled domestic and irrigation water-table well in alluvium, diam 16 in (41 cm), depth 501 ft (153 m), casing information not available. Lsd 500 ft (152 m) above msl. Highest water level 21.00 ft (6.40 m) below lsd, May 21, 1952; lowest 25.02 ft (7.63 m) below lsd, Apr. 23, 1969. Records available: 1932, 1952, 1954-57, 1959, 1961-71. Measurement discontinued Apr. 1, 1971. Mar. 31, 1971, 23.57.

334702115214101. Local number 5S/16E-7M2 S. H. C. Brown. About 3.5 mi (5.6 km) northeast of Desert Center. Drilled unused water-table well in alluvium, diam 14 in (36 cm), depth 789 ft (240 m), casing information not available. Lsd 611 ft (186 m) above msl. Highest water level 123.62 ft (37.68 m) below lsd, Mar. 2, 1966; lowest 146.46 ft (44.64 m) below lsd, July 21, 1962. Records available: 1959, 1961-71. Measurement discontinued Apr. 1, 1971. Mar. 31, 1971, 124.75.

## Joshua Tree National Monument

340039116105701. 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 (20 cm), depth 290 ft (88 m), casing information not available. Lsd 4,100 ft (1,250 m) above msl. Highest water level 202.52 ft (61.73 m) below lsd, Sept. 10, 1962; lowest 224.09 ft (68.30 m) below lsd, Oct. 18, 1974. Records available: 1961-74. Apr. 1, 1971, 219.06; Jan. 27, 1972, 220.31; June 15, 220.80; Mar. 17, 1973, 221.75; Sept. 25, 222.54; Feb. 26, 1974, 223.18; Oct. 18, 224.09.

335718115403401. Local number 2S/12E-36F1 S. National Park Service (Dale Holmes well, Gold Rose well). Pinto Basin, 1 mi (2 km) east of Gold Crown Rd. at Mission well. Drilled domestic water-table well in alluvium, diam unknown, depth 444 ft (135 m), casing information not available. Lsd 1,347 ft (411 m), previously reported 1,350 ft (411 m), above msl. Highest water level 400.36 ft (122.03 m) below lsd, Mar. 14, 1963; lowest 410.2 ft (125.0 m) below lsd, Mar. 18, 1965. Records available: 1961-74. Measurement discontinued Oct. 17, 1974. Mar. 31, 1971, 400.93; Jan. 27, 1972, 403.06; June 15, 402.05; Apr. 26, 1973, 401.31; Sept. 24, 400.39; Feb. 25, 1974, 400.67.

335612115243301. 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 (41 cm), depth 575 ft (175 m), casing information not available. Lsd 1,080.6 ft (329.4 m) above msl. Highest water level 150.00 ft (45.72 m) below lsd, Dec. 4, 1954; lowest 167.72 ft (51.12 m) below lsd, Feb. 25, 1974. Records available: 1954-74. Mar. 31, 1971, 166.54 (nearby well being pumped); Jan. 27, 1972, 165.04 (nearby well being pumped); June 15, 166.67 (nearby well being pumped); Mar. 17, 1973, 166.31 (nearby well being pumped); Sept. 24, 167.72 (nearby well being pumped); Feb. 25, 1974, 167.72; Oct. 17, 167.48.

334712115485601. Local number 4S/11E-27Q1 S. National Park Service (Cottonwood well). In Smoketree Wash 3.5 mi (5.6 km) north of Cottonwood Spring. Drilled public-supply water-table well in alluvium, diam 12 in (30 cm), depth 403 ft (123 m), casing information not available. Lsd 2,975 ft (907 m) above msl. Highest water level 170.29 ft (51.90 m) below lsd, Mar. 12, 1959; lowest 191.89 ft (58.49 m) below lsd, June 15, 1972. Records available: 1958-61, 1963-74. Mar. 31, 1971, 188.87; Jan. 27, 1972, 188.02; June 15, 191.89; Mar. 15, 1973, 188.62; Sept. 24, 187.79; Feb. 25, 1974, 186.16; Oct. 17, 188.49.

#### San Bernardino County

##### Harper Valley Area

350358117142201. Local number 11N/3W-7D1 S. Owner unknown. About 9 mi (14 km) north of Hinkley. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in (30 cm), depth 123 ft (37 m), cased with steel. Lsd 2,065 ft (629 m), previously reported 2,082 ft (635 m), above msl. Highest water level 55.55 ft (16.93 m) below lsd, June 16, 1954; lowest 67.34 ft (20.53 m) below lsd, Apr. 14, 1971. Records available: 1953-71. Measurement discontinued May 1, 1971. Apr. 14, 1971, 67.34.

350039117185301. Local number 11N/4W-29R1 S. Lockhart Ranch. About 8.5 mi (13.7 km) northwest of Hinkley. Drilled unused water-table well in alluvium of Pleistocene age, diam unknown, depth 500 ft (152 m), cased with steel. Lsd 2,085 ft (635 m) above msl. Highest water level 83.46 ft (25.44 m) below lsd, Nov. 17, 1960; lowest 138.80 ft (42.31 m) below lsd, Apr. 14, 1971. Records available: 1953-71. Measurement discontinued May 1, 1971. Apr. 14, 1971, 138.80.

##### Johnson Valley

342448116371501. Local number 4N/3E-24Q1 S. Owner unknown. About 5.5 mi (8.9 km) northeast of Old Woman Springs. Drilled domestic water-table well in alluvium of Pleistocene age, diam 12 in (30 cm), depth 242 ft (74 m), cased with steel. Lsd 2,833 ft (864 m) above msl. Highest water level 54.60 ft (16.64 m) below lsd, May 6, 1954; lowest 58.43 ft (17.81 m) below lsd, Apr. 7, 1970. Records available: 1954-71. Measurement discontinued Apr. 1, 1971. Mar. 24, 1971, 55.60.

##### Lucerne Valley Area

342602116501901. Local number 4N/1E-13M1 S. E. A. Taylor. About 6.5 mi (10.5 km) east of Lucerne Valley. Drilled domestic water-table well in alluvium of Pleistocene age, diam 12 in (30 cm), depth 270 ft (82 m), cased with steel. Lsd 3,020 ft (921 m) above msl. Highest water level 112.3 ft (34.2 m) below lsd, Apr. 4, 1968; lowest 175.69 ft (53.55 m) below lsd, Apr. 21, 1969. Records available: 1953-71. Measurement discontinued Apr. 1, 1971. Mar. 24, 1971, 175.23.

34324711655001. Local number 5N/1W-1R3 S. Haris. About 7 mi (11 km) north of Lucerne Valley. Drilled domestic water-table well in alluvium of Pleistocene age, diam 12 in (30 cm), depth 165 ft (50 m), cased with steel. Lsd 2,890 ft (881 m) above msl. Highest water level 75.9 ft (23.1 m) below lsd, Nov. 8, 1954; lowest 122.93 ft (37.47 m) below lsd, Mar. 24, 1971. Records available: 1954-71. Measurement discontinued Apr. 1, 1971. Mar. 24, 1971, 122.93.

342825116565901. Local number 5N/1W-35Q1 S. Owner unknown. About 2 mi (3 km) north of Lucerne Valley. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in (30 cm), depth 300 ft (91 m), cased with steel. Lsd 2,855 ft (870 m) above msl. Highest water level 34.99 ft (10.66 m) below lsd, Mar. 14, 1955; lowest 59.73 ft (18.21 m) below lsd, Nov. 5, 1968. Records available: 1954-71. Measurement discontinued Apr. 1, 1971. Mar. 24, 1971, 47.18.

##### Mojave River Basin

##### Lower Basin

344747116310401. Local number 8N/4E-12L1 S. L. A. Shepherd. About 10 mi (16 km) east of Newberry. Drilled public-supply and domestic water-table well in alluvium, diam 10 in (25 cm), depth 205 ft (62 m), cased with steel. Lsd 1,809.86 ft (551.65 m) above msl. Highest water level 30.39 ft (9.26 m) below lsd, Mar. 27, 1958; lowest 43.97 ft (13.40 m) below lsd, Oct. 29, 1969. Records available: 1930, 1932, 1935-71. Measurement discontinued May 1, 1971. Apr. 23, 1971, 43.63.

345217116501301. Local number 9N/1E-13E2 S. California Electric Power Co., Coolwater Ranch. About 3 mi (5 km) east of Daggett. Drilled unused water-table well in alluvium, diam 12 in (30 cm), depth 170 ft (52 m), cased with steel. Lsd 1,949.6 ft (594.2 m) above msl. Highest water level 54.46 ft (16.60 m) below lsd, Apr. 26, 1944; lowest 99.49 ft (30.32 m) below lsd, Oct. 22, 1968. Records available: 1925-27, 1930-33, 1935-71. Measurement discontinued May 1, 1971. Apr. 21, 1971, 98.35.

345110116473601. Local number 9N/2E-20Q1 S. Daggett Airport. About 5.5 mi (8.9 km) east of Daggett. Drilled domestic water-table well in alluvium, diam 12 in (30 cm), depth 120 ft (37 m), cased with steel. Lsd 1,921.35 ft (585.63 m) above msl. Highest water level 41.81 ft (12.74 m) below lsd, Nov. 15, 1945; lowest 75.45 ft (23.00 m) below lsd, Apr. 23, 1971. Records available: 1932, 1941-48, 1952-71. Measurement discontinued May 1, 1971. Apr. 23, 1971, 75.45.

345114116423201. Local number 9N/3E-19P1 S. J. G. Frey. About 2 mi (3 km) northwest of Newberry. Drilled unused artesian well in alluvium, diam 12 in (30 cm), depth 151 ft (46 m), cased with steel. Lsd 1,856.8 ft (566.0 m) above msl. Highest water level flowing, Jan. 3, May 10, Nov. 16, 1945, May 2, 1946, May 23, 1947; lowest 21.80 ft (6.64 m) below lsd, Nov. 11, 1970. Records available: 1919, 1922, 1930-35, 1938-48, 1951-71. Measurement discontinued May 1, 1971. Apr. 21, 1971, 20.73.

## Middle Basin

343820117204101. Local number 6N/4W-6E6 S. R. D. Workman. South of LaDelta. Drilled unused water-table well in alluvium, diam 6 in (15 cm), depth 104 ft (32 m), cased with steel. Lsd 2,580 ft (786 m) above msl. Highest water level 41.70 ft (12.71 m) below lsd, Apr. 9, 1969; lowest 47.79 ft (14.57 m) below lsd, Oct. 20, 1966. Records available: 1958-71. Measurement discontinued May 1, 1971. Apr. 19, 1971, 43.81.

343727117254201. Local number 6N/5W-8F1 S. Lockwood. About 3 mi (5 km) north of Adelanto. Drilled domestic water-table well in alluvium, diam 8 in (20 cm), depth 90 ft (27 m), cased with steel. Lsd 2,780 ft (847 m) above msl. Highest water level 77.13 ft (23.51 m) below lsd, Dec. 17, 1956; lowest 83.46 ft (25.44 m) below lsd, Mar. 23, 1970. Records available: 1947-71. Measurement discontinued May 1, 1971. Apr. 19, 1971, 82.49.

344401117194701. Local number 8N/4W-31R1 S. Fred Orebaugh. About 1 mi (2 km) southwest of Helendale. Dug and drilled unused water-table well in alluvium, diam 14 in (36 cm), depth 60 ft (18 m), casing information not available. Lsd 2,449 ft (746 m) above msl. Highest water level 14.10 ft (4.30 m) below lsd, Apr. 25, 1946; lowest 29.43 ft (8.97 m) below lsd, Nov. 15, 1968. Records available: 1930-32, 1934-71. Measurement discontinued May 1, 1971. Apr. 19, 1971, 18.34.

345440117101301. Local number 10N/3W-35N1 S. Edward Horton. About 2.5 mi (4.0 km) southeast of Hinkley. Dug and drilled domestic water-table well in alluvium, diam 8 in (20 cm), depth 144 ft (44 m), cased with steel. Lsd 2,212.0 ft (674.2 m) above msl. Highest water level 51.1 ft (15.6 m) below lsd, Dec. 19, 1930; lowest 111.34 ft (33.94 m) below lsd, Mar. 23, 1970. Records available: 1930-32, 1958-71. Measurement discontinued May 1, 1971. Apr. 14, 1971, 108.03.

## Upper Basin

342243117141301. Local number 3N/3W-6E2 S. McBain. Near the Mojave River about 4.5 mi (7.2 km) southeast of Hesperia. Drilled domestic water-table well in alluvium, diam 12 in (30 cm), depth 61 ft (19 m), cased with steel. Lsd 2,940 ft (896 m) above msl. Highest water level 3.95 ft (1.20 m) below lsd, Mar. 24, 1958; lowest dry, Oct. 24, 1961, Mar. 16, 1964, Mar. 15, 1965. Records available: 1948-71. Measurement discontinued April 1971. Mar. 25, 1971, 7.37.

343122117094501. Local number 5N/3W-14G1 S. Owner unknown. About 1.5 mi (2.4 km) northeast of Apple Valley. Drilled unused water-table well in alluvium, diam 8 in (20 cm), depth and casing information not available. Lsd 2,916 ft (889 m) above msl. Highest water level 81.64 ft (24.88 m) below lsd, Apr. 25, 1957; lowest 96.64 ft (29.46 m) below lsd, Dec. 3, 1964. Records available: 1957, 1964-71. Measurement discontinued Apr. 1, 1971. Mar. 25, 1971, 94.81.

343150117151501. Local number 5N/4W-11P1 S. A. Pratt. About 1.5 mi (2.4 km) southeast of Victorville. Drilled domestic water-table well in alluvium, diam 8 in (20 cm), depth 65 ft (20 m), cased with steel. Lsd 2,788.3 ft (849.9 m) above msl. Highest water level 50.20 ft (15.30 m) below lsd, Dec. 8, 1955; lowest 62.40 ft (19.02 m) below lsd, May 11, 1954. Records available: 1931-32, 1935, 1937-71. Measurement discontinued Apr. 1, 1971. Mar. 25, 1971, 56.42.

## Santa Ana River Basin

340718117204101. 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 (51 cm), depth 581 ft (177 m), cased with steel, perforated 126-184 ft (38-56 m), 224-232 ft (68-71 m), 262-304 ft (80-93 m), 312-372 ft (95-113 m), 468-476 ft (143-145 m), 540-560 ft (165-171 m). Lsd 1,184.8 ft (361.1 m) above msl. Highest water level 49.4 ft (15.1 m) below lsd, Mar. 6, 1947; lowest 247.1 ft (75.3 m) below lsd, Aug. 27, 1968. Records available: 1946-74. Records furnished by San Bernardino Municipal Water Department.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1971	167.4	Jan. 5, 1972	b190.11	Apr. 16, 1973	155.31	Mar. 13, 1974	167.31
Feb. 2	162.8	Feb. 2	b190.71	May 15	a156.51	Apr. 15	158.41
Mar. 9	160.4	Apr. 4	b154.41	June 13	a156.81	May 16	a159.61
Apr. 2	159.6	May 3	b159.21	July 18	a158.51	June 13	a170.71
May 4	157.2	June 12	b159.91	Aug. 14	a158.71	July 18	a176.41
May 25	156.6	July 25	b161.01	Sept. 13	a163.71	Aug. 14	a181.01
July 2	a165.7	Aug. 29	b162.21	Oct. 17	163.41	Sept. 17	a184.21
Aug. 18	a168.2	Oct. 13	165.81	Nov. 15	167.01	Oct. 18	a183.51
Oct. 1	a194.91	Nov. 15	161.91	Dec. 11	160.11	Nov. 14	170.11
Oct. 28	b159.31	Jan. 29, 1973	154.21	Jan. 17, 1974	159.51	Dec. 14	171.81
Dec. 3	b192.21	Mar. 16	153.61	Feb. 13	166.41		

a Well being pumped.

b Well pumped recently.

340712117145301. 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 (25 cm), depth 648 ft (198 m), cased with steel. Lsd 1,096.0 ft (334.1 m) above msl. Highest water level 15.94 ft (4.86 m) below lsd, Mar. 25, 1917; lowest 148.75 ft (45.34 m) below lsd, Nov. 30, 1967. Records available: 1915-74. Records furnished by owner.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1971	120.65	Feb. 1, 1972	117.85	May 8, 1973	122.05	Mar. 5, 1974	114.65
Mar. 23	124.45	Apr. 1	124.55	June 11	124.25	Apr. 2	115.45
Apr. 27	127.65	May 1	128.45	July 1	125.55	May 7	117.85
May 24	126.45	June 1	130.75	Aug. 6	120.85	June 5	116.85
July 20	127.65	Oct. 30	124.55	Sept. 1	130.65	July 3	118.25
26	126.35	Nov. 20	124.85	Oct. 1	130.45	Aug. 7	119.75
Sept. 30	126.75	Dec. 26	124.45	Nov. 6	129.95	Sept. 3	125.65
Dec. 2	125.05	Jan. 29, 1973	123.75	Dec. 1	121.35	Oct. 1	129.75
30	121.45	Feb. 26	124.05	Jan. 1, 1974	118.55	Nov. 5	117.95
Jan. 3, 1972	121.75	Apr. 16	121.95	Feb. 5	115.95	Dec. 1	116.85

340517117174901. 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 (51 cm), depth 189 ft (58 m), cased with steel, perforated 43-70 ft (13-21 m), 83-97 ft (25-30 m), 131-169 ft (40-52 m). Lsd 934.4 ft (284.8 m) above msl. Highest water level 3.5 ft (1.1 m) below lsd, June 3, 1938; lowest 126.40 ft (38.53 m) below lsd, Oct. 30, 1964. Records available: 1928-74. Records furnished by owner.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1971	41.59	Feb. 1, 1972	51.89	Feb. 5, 1973	60.49	Feb. 5, 1974	51.99
Feb. 1	42.09	Mar. 6	56.29	Mar. 5	62.89	Mar. 5	55.29
Apr. 12	43.49	Apr. 1	57.79	Apr. 16	49.79	Apr. 2	54.39
May 3	45.29	May 1	56.79	May 8	53.29	May 7	54.49
June 21	49.29	June 1	62.19	June 18	51.49	June 5	55.59
July 6	48.99	July 10	67.79	July 9	53.09	July 9	56.59
Aug. 9	47.39	Aug. 26	67.39	Aug. 6	51.29	Aug. 7	58.99
Sept. 6	62.49	Sept. 1	66.29	Sept. 1	52.69	Sept. 1	64.09
Oct. 4	62.29	Oct. 16	71.89	Oct. 8	56.59	Oct. 1	67.99
Nov. 1	60.99	Nov. 6	70.39	Nov. 6	59.89	Nov. 5	68.19
Dec. 2	45.59	Dec. 4	70.89	Dec. 4	60.89	Dec. 1	64.69
Jan. 3, 1972	53.79	Jan. 2, 1973	59.39	Jan. 1, 1974	59.59		

#### San Diego County

##### Borrego Valley Area

331800116210001. Local number 10S/6E-21A1 S. DiGiorgio Fruit Corp. About 3.5 mi (5.6 km) northeast of Borrego Springs. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in (30 cm), depth 322 ft (98 m), cased with steel. Lsd 640 ft (195 m) above msl. Highest water level 130.55 ft (39.79 m) below lsd, Jan. 3, 1953; lowest 185.62 ft (56.58 m) below lsd, July 22, 1965. Records available: 1952-71. Measurement discontinued Apr. 1, 1971. Mar. 30, 1971, 165.13.

331432116194602. Local number 11S/6E-11D2 S. Kosky and Hagenbuch. About 3 mi (5 km) southeast of Borrego Springs. Drilled domestic water-table well in alluvium of Pleistocene age, diam 14 in (36 cm), depth 218 ft (66 m), cased with steel. Lsd 500 ft (152 m) above msl. Highest water level 17.53 ft (5.34 m) below lsd, Nov. 16, 1953; lowest 59.97 ft (18.28 m) below lsd, Sept. 7, 1965. Records available: 1953-71. Measurement discontinued Apr. 1, 1971. Mar. 30, 1971, 34.45.

##### Ocotillo Valley Area

330639116074701. Local number 12S/8E-22E1 S. A. F. Demes. Lower Borrego Valley. About 2.5 mi (4.0 km) south of Ocotillo Wells. Drilled domestic and irrigation water-table well in alluvium of Pleistocene age, diam 16 in (41 cm), depth 226 ft (69 m), cased with steel. Lsd 110 ft (34 m) above msl. Highest water level 101.83 ft (31.04 m) below lsd, Nov. 10, 1954; lowest 119.16 ft (36.32 m) below lsd, Nov. 10, 1970. Records available: 1953-71. Measurement discontinued Apr. 1, 1971. Mar. 30, 1971, 108.89.

##### Otay River Basin

323540117043001. Local number 18S/2W-22F1 S. Western Aire Motel. Near Otay. Drilled domestic water-table well in alluvium of Holocene age, diam 10 in (25 cm), depth 150 ft (46 m), cased with steel. Lsd 40 ft (12 m) above msl. Highest water level 18.40 ft (5.61 m) below lsd, Apr. 10, 1922; lowest 48.30 ft (14.72 m) below lsd, Dec. 6, 1955. Records available: 1916-71. Measurement discontinued Apr. 1, 1971. Mar. 29, 1971, 26.64.

##### San Diego River Basin

325208116533601. Local number 15S/1E-17H6 S. La Mesa, Lemon Grove, and Springs Valley Irrigation District. Near Lakeside. Drilled unused water-table well in alluvium of Holocene age, diam 14 in (36 cm), depth 61 ft (19 m), perforated 39-61 ft (12-19 m). Lsd 434.4 ft (132.4 m) above msl. Highest water level 0.2 ft (0.1 m) below lsd, May 18, 1930; lowest dry, Nov. 19, 1959. Records available: 1929-32, 1934-59, 1961-71. Measurement discontinued Apr. 1, 1971. Mar. 29, 1971, 58.69.

## San Dieguito River Basin

330412117015101. 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 (36 cm), depth 86 ft (26 m), cased with steel. Lsd 335 ft (102 m) above msl. Highest water level 2.27 ft (0.69 m) below lsd, May 14, 1954; lowest 59.99 ft (18.28 m) below lsd, Nov. 19, 1963. Records available: 1953-71. Measurement discontinued Apr. 1, 1971. Mar. 29, 1971, 16.81.

325929117110501. 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 (30 cm), depth 90 ft (27 m), cased with steel. Lsd 35 ft (11 m) above msl. Highest water level 28.22 ft (8.60 m) below lsd, Jan. 8, 1954; lowest dry, May 11, Aug. 17, Nov. 17, 1964. Records available: 1954-71. Measurement discontinued Apr. 1, 1971. Mar. 29, 1971, 62.89 (water level below sea level).

## San Felipe Valley Area

330650116310801. Local number 12S/4E-24K1 S. Orville Cummings. San Felipe Ranch. San Felipe Valley. About 5.5 mi (8.9 km) northeast of Julian. Drilled stock water-table well in alluvium of Pleistocene age, diam 12 in (30 cm), depth 97 ft (30 m), cased with steel. Lsd 2,440 ft (744 m) above msl. Highest water level 18.43 ft (5.62 m) below lsd, Nov. 24, 1953; lowest 37.58 ft (11.45 m) below lsd, Mar. 27, 1969. Records available: 1953, 1956-71. Measurement discontinued Apr. 1, 1971. Mar. 30, 1971, 44.94 (well being pumped).

## San Luis Rey River Basin

332018117080701. Local number 10S/2W-6F2 S. San Luis Rey Ranch. Monserate Narrows, near gaging station. Drilled unused water-table well in alluvium of Holocene age, diam 12 in (30 cm), depth 109 ft (33 m), cased with steel. Lsd 282.36 ft (86.06 m) above msl. Highest water level 6.92 ft (2.11 m) below lsd, Mar. 11, 1969; lowest dry, Aug. 13, 1962, Aug. 17, 1964. Records available: 1951-73. No measurement made in 1974. Apr. 1, 1971, 10.66; Oct. 21, 13.91; Oct. 27, 13.93; Apr. 20, 1972, 13.37; Sept. 14, 16.31; Mar. 23, 1973, 7.40.

331634117134901. Local number 10S/3W-30K1 S. Fallbrook Public Utility District. Near Bonsall. Drilled unused water-table well in alluvium of Holocene age, diam 8 in (20 cm), depth 79 ft (24 m), cased with steel, perforated 57-60 ft (17-18 m), 74-77 ft (22.6-23.5 m). Lsd 149.76 ft (45.65 m) above msl. Highest water level 6.09 ft (1.86 m) below lsd, Mar. 17, 1941; lowest 24.80 ft (7.56 m) below lsd, July 31, 1957. Records available: 1939-71. Measurement discontinued Jan. 1, 1972.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1971	8.50	June 15, 1971	9.58	Sept. 16, 1971	9.81	Oct. 27, 1971	9.79
Mar. 16	9.25	July 19	9.58	Oct. 18	9.50	Nov. 17	10.00
Apr. 1	9.58	Aug. 16	9.58	21	9.80	Dec. 14	9.11
May 14	9.50						

331412117183001. Local number 11S/4W-9F1 S. City of Oceanside. Near San Luis Rey. Drilled observation water-table well in alluvium of Holocene age, diam 4 in (10 cm), depth 199 ft (61 m), casing information not available. Lsd 64.16 ft (19.56 m), previously reported 63 ft (19 m), above msl. Highest water level 2.14 ft (0.65 m) below lsd, Apr. 14, 1941; lowest 74.27 ft (22.64 m) below lsd, Nov. 4, 1963. Records available: 1940-72. Measurement discontinued Mar. 1, 1972. Records furnished by city of Oceanside.

Jan. 4, 1971	19.27	May 3, 1971	15.35	Sept. 7, 1971	16.68	Dec. 6, 1971	17.68
Feb. 2	17.35	June 1	15.10	Oct. 4	16.68	Jan. 3, 1972	15.35
Mar. 1	16.02	July 6	17.10	Nov. 2	16.77	Feb. 7	13.93
Apr. 5	16.18	Aug. 2	16.12				

331252117214601. Local number 11S/5W-13N1 S. City of Oceanside. Near airport. Drilled unused artesian well in alluvium of Holocene age, diam 14 in (36 cm), depth 160 ft (49 m), casing information not available. Lsd 16.26 ft (4.96 m) above msl. Highest water level 0.79 ft (0.24 m) below lsd, Apr. 14, 1941; lowest 30.50 ft (9.30 m) below lsd, Jan. 6, 1958. Records available: 1939-72. Measurement discontinued Mar. 1, 1972. Records furnished by city of Oceanside.

Jan. 4, 1971	2.42	May 3, 1971	2.67	Sept. 7, 1971	2.75	Dec. 6, 1971	2.25
Feb. 2	3.58	June 1	4.25	Oct. 4	2.67	Jan. 3, 1972	.83
Mar. 1	2.33	July 6	3.00	Nov. 2	2.58	Feb. 7	2.17
Apr. 5	2.39	Aug. 2	2.83				

## Sweetwater River Basin

323829117033701. Local number 17S/2W-35E1 S. Owner unknown. Near Chula Vista. Drilled domestic water-table well in alluvium of Holocene age, diam 12 in (30 cm), depth 58 ft (18 m), cased with steel. Lsd 35 ft (11 m) above msl. Highest water level 8.62 ft (2.63 m) below lsd, Nov. 10, 1954; lowest 15.29 ft (4.66 m) below lsd, Nov. 19, 1959. Records available: 1953-71. Measurement discontinued Apr. 1, 1971. Mar. 29, 1971, 12.80.

## Tia Juana River Basin

323238117024601. 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 (20 cm), depth 68 ft (21 m), cased with steel. Lsd 50 ft (15 m) above msl. Highest water level 8.32 ft (2.54 m) below lsd, May 18, 1954; lowest dry, several times, 1962, Feb. 21, 1963. Records available: 1953-71. Measurement discontinued Apr. 1, 1971. Mar. 29, 1971, 35.47.

323314117050601. Local number 19S/2W-4A6 S. Claifornia Water & Telephone Co. Near Nestor. Drilled unused artesian well in alluvium of Holocene age, diam 12 in (30 cm), depth 90 ft (27 m), cased with steel. Lsd 25 ft (8 m) above msl. Highest water level 18.47 ft (5.63 m) below lsd, Apr. 10, 1969; lowest 38.22 ft (11.65 m) below lsd, Aug. 27, 1959. Records available: 1953-71. Measurement discontinued Apr. 1, 1971. Mar. 29, 1971, 20.82.

### San Joaquin County

#### Mokelumne River Basin

380656121204901. Local number 3N/6E-17D11 M. Arthur Ripken. About 4.5 mi (7.2 km) southwest of Lodi. Drilled irrigation water-table well in Victor Formation of Pleistocene age, diam 12 in (30 cm), depth 49.3 ft (15.0 m), casing information not available. Lsd 23.9 ft (7.3 m) above msl. Highest water level 7.46 ft (2.27 m) below lsd, May 1, 1952; lowest 45.45 ft (13.85 m) below lsd, Sept. 1, 1966. Records available: 1949-68, 1971-74. Measurement resumed in 1971. Measured by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1971	27.5	Dec. 1, 1971	28.4	Nov. 1, 1972	34.1	Dec. 3, 1973	28.9
Feb. 1	26.5	Jan. 3, 1972	27.7	Dec. 1	32.6	Jan. 3, 1974	28.3
Mar. 1	25.5	Feb. 2	27.6	Jan. 2, 1973	31.3	Feb. 4	27.5
Apr. 1	25.9	Mar. 1	26.4	Feb. 1	30.2	Mar. 4	26.5
June 1	26.1	Apr. 3	30.5	Apr. 2	26.7	June 3	25.8
July 1	29.7	May 1	31.7	June 4	26.9	July 2	31.2
Aug. 2	32.4	June 1	33.1	July 3	28.2	Sept. 3	32.5
Sept. 2	33.9	July 5	35.1	Sept. 5	32.8	Oct. 2	31.4
Oct. 1	31.3	Aug. 31	38.1	Oct. 1	32.3	Nov. 4	30.2
Nov. 2	30.0	Oct. 3	35.4	Nov. 2	29.7		

380328121153601. Local number 3N/6E-36R2 M. Leland W. Bunch. About 5.5 mi (8.9 km) south of Lodi. Drilled domestic water-table well in Victor Formation of Pleistocene age, diam 8 in (20 cm), depth 85 ft (26 m), casing information not available. Lsd 37.97 ft (11.57 m) above msl. Highest water level 11.72 ft (3.57 m) below lsd, Apr. 8, 1938; lowest 56.80 ft (17.31 m) below lsd, July 1, 1965. Records available: 1926-29, 1935-68, 1971-74. Measurement resumed in 1971. Measured by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1971	38.3	Jan. 5, 1972	40.4	Jan. 4, 1973	46.6	Jan. 4, 1974	44.4
Feb. 2	38.5	Feb. 4	40.8	Feb. 2	46.2	Feb. 4	44.3
Mar. 2	39.0	Mar. 2	41.1	Mar. 2	45.8	Mar. 5	44.4
Apr. 2	39.1	Apr. 4	42.8	Apr. 3	45.2	Apr. 2	44.6
May 5	38.9	May 2	44.5	May 2	45.8	May 2	44.7
June 2	39.2	June 5	46.2	June 4	47.0	June 6	46.9
July 2	39.8	July 5	47.2	July 3	49.5	July 2	49.6
Aug. 4	40.7	Aug. 2	48.4	Aug. 2	47.6	Aug. 2	48.1
Sept. 2	40.4	31	47.7	Sept. 5	48.0	Sept. 4	47.7
Oct. 5	39.3	Oct. 5	47.0	Oct. 3	46.9	Oct. 3	46.3
Nov. 2	39.3	Nov. 2	45.9	Nov. 2	45.2	Nov. 4	45.8
Dec. 1	39.7	Dec. 5	46.2	Dec. 4	44.5	Dec. 5	45.6

380717121114602. Local number 3N/7E-10L4 M. Alfred Preszler. About 4 mi (6 km) 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 (30 to 25 cm), depth 183 ft (56 m), cased. Lsd 72.37 ft (22.06 m) above msl. Highest water level 35.13 ft (10.71 m) below lsd, Jan. 12, 1939; lowest 86.8 ft (26.5 m) below lsd, Aug. 2, 1972. Records available: 1935-68, 1971-74. Measurement resumed in 1971. Measured by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1971	69.1	Jan. 6, 1972	70.7	Jan. 5, 1973	74.3	Feb. 4, 1974	71.4
Feb. 2	68.0	Feb. 4	69.8	Feb. 2	72.9	Mar. 2	71.9
Mar. 2	67.9	Mar. 2	71.3	Mar. 2	72.2	Apr. 2	72.0
Apr. 2	70.9	Apr. 4	80.2	Apr. 3	71.6	May 2	71.6
May 5	72.5	May 2	80.0	May 2	75.8	June 6	78.1
June 2	73.9	June 5	80.9	June 2	78.5	July 2	83.7
July 2	77.1	July 5	84.8	July 3	89.3	Aug. 2	84.6
Aug. 4	82.1	Aug. 2	86.8	Aug. 3	86.7	Sept. 4	81.4
Sept. 2	80.0	31	82.4	Sept. 5	81.1	Oct. 7	78.1
Oct. 6	75.7	Oct. 6	78.3	Oct. 5	74.8	Nov. 4	76.6
Nov. 3	73.5	Nov. 2	78.3	Dec. 4	74.2	Dec. 5	76.4
Dec. 2	72.1	Dec. 5	75.6	Jan. 8, 1974	72.8		

380611121153001. Local number 3N/7E-18N12 M. Joe Garnerio. About 2.5 mi (4.0 km) south of Lodi. Drilled domestic water-table well in Victor Formation of Pleistocene age, diam 6 in (15 cm), depth 78 ft (24 m), casing information not available. Lsd 47.44 ft (14.46 m) above msl. Highest water level 29.86 ft (9.10 m) below lsd, Feb. 2, 1953; lowest dry, Aug. 4, 1965, July 5, Aug. 1, Sept. 1, 1966, Aug. 1, 1968, Aug. 2, Sept. 4, 1974. Records available: 1946-68, 1971-74. Measurement resumed in 1971. Measured by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1971	47.2	Nov. 2, 1971	51.0	Feb. 5, 1973	51.5	Mar. 5, 1974	49.3
Feb. 1	46.5	Dec. 1	49.3	Apr. 3	51.1	Apr. 2	49.3
Mar. 2	46.2	Jan. 5, 1972	48.2	May 2	53.4	May 2	49.9
Apr. 2	48.5	May 2	57.3	June 4	55.5	Aug. 2	(f)
May 5	52.2	June 5	63.1	July 3	55.9	Sept. 4	(f)
June 2	51.4	Oct. 4	56.5	Oct. 3	55.7	Oct. 3	56.6
July 2	56.6	Nov. 2	54.3	Nov. 2	53.4	Nov. 4	54.1
Sept. 2	59.3	Dec. 5	53.1	Jan. 4, 1974	53.3		
Oct. 5	53.2	Jan. 4, 1973	52.1	Feb. 4	50.9		

f Dry.

380605121115201. Local number 3N/7E-22C11 M. John Nietschke. About 4.6 mi (7.4 km) southeast of Lodi. Drilled domestic water-table well in Victor Formation of Pleistocene age, probably Arroyo Seco Gravel of Pleistocene age, and Laguna Formation of Pliocene(?) age, diam 8 in (20 cm), depth 135 ft (41 m), casing information not available. Lsd 66.43 ft (20.25 m) above msl. Highest water level 50.21 ft (15.30 m) below lsd, Mar. 2, 1953; lowest 90.6 ft (27.6 m) below lsd, Aug. 2, 1972. Records available: 1952-68, 1971-74. Measurement resumed in 1971. Measured by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1971	72.1	Jan. 6, 1972	73.2	Jan. 5, 1973	81.4	Feb. 4, 1974	78.6
Feb. 2	71.3	Feb. 4	72.4	Feb. 24	76.8	Mar. 5	74.0
Mar. 2	70.7	Mar. 2	71.9	Feb. 2	76.2	Apr. 2	73.5
Apr. 2	70.6	Apr. 4	82.9	Mar. 2	75.4	May 2	73.5
May 5	71.9	May 2	79.6	Apr. 3	74.2	June 6	86.0
June 2	75.6	June 5	80.3	May 2	76.4	July 2	80.6
July 2	81.8	July 5	85.5	Aug. 3	84.9	Aug. 2	84.8
Aug. 4	81.4	Aug. 2	90.6	Sept. 5	83.1	Sept. 4	84.5
Sept. 2	81.8	31	85.5	Oct. 5	80.6	Oct. 7	81.2
Oct. 6	78.1	Oct. 6	82.2	Nov. 5	78.4	Nov. 4	79.3
Nov. 3	76.0	Nov. 2	80.5	Dec. 4	76.8	Dec. 5	77.9
Dec. 2	74.5	Dec. 5	79.0	Jan. 8, 1974	75.4		

381215121154601. Local number 4N/6E-12R11 M. Fred Fromm. About 4.5 mi (7.2 km) north of Lodi. Drilled domestic and irrigation water-table well in Victor, Arroyo Seco, and Laguna Formations, diam 8 in (20 cm), depth 150 ft (46 m), casing information not available. Lsd 57.95 ft (17.66 m) above msl. Highest water level 38.84 ft (11.84 m) below lsd, May 1, 1953; lowest dry, Sept. 3, 1974. Records available: 1948-68, 1971-74. Measurement resumed in 1971. Measured by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1971	69.4	Nov. 2, 1971	77.7	Jan. 3, 1973	75.2	Feb. 4, 1974	73.4
Feb. 1	67.9	Dec. 1	74.0	Feb. 2	74.1	Mar. 4	72.3
Mar. 2	66.8	Jan. 4, 1972	71.6	Mar. 2	72.7	Apr. 2	70.9
Apr. 1	65.7	Feb. 2	70.3	Apr. 3	71.3	May 2	69.9
May 4	68.2	Mar. 1	69.0	May 1	75.3	June 4	74.3
June 1	72.8	Apr. 4	73.9	June 4	76.4	July 2	77.4
July 1	76.2	May 1	76.7	July 3	77.6	Sept. 3	(f)
Aug. 4	79.4	June 5	81.3	Nov. 2	80.2	Oct. 3	81.5
Sept. 2	79.7	Nov. 1	79.7	Dec. 3	75.0	Nov. 4	78.2
Oct. 4	80.7	Dec. 5	76.9	Jan. 4, 1974	73.4	Dec. 5	76.2

f Dry.

380933121163502. Local number 4N/6E-36D2 M. S. Wortley. About 1.6 mi (2.6 km) north of Lodi. Drilled irrigation water-table well in Victor Formation of Pleistocene age, diam 10 in (25 cm), depth 52 ft (16 m), casing information not available. Lsd 49.11 ft (14.97 m) above msl. Highest water level 26.84 ft (8.18 m) below lsd, Apr. 1, 1963; lowest 36.3 ft (11.1 m) below lsd, Aug. 1, 1972. Records available: 1962-68, 1971-74. Measurement resumed in 1971. Measured by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1971	29.3	Jan. 4, 1972	31.4	Jan. 3, 1973	33.4	Jan. 3, 1974	31.2
Feb. 1	28.9	Feb. 2	31.2	Feb. 2	32.5	Feb. 4	30.6
Mar. 2	29.1	Mar. 1	31.2	Mar. 3	31.8	Mar. 4	30.5
Apr. 1	29.3	Apr. 4	35.5	Apr. 3	30.4	Apr. 2	29.6
May 3	31.6	May 1	34.4	May 1	30.5	May 2	29.7
June 1	29.5	June 5	32.6	June 4	32.3	June 4	30.0
July 1	31.7	July 5	35.7	July 3	32.8	July 2	32.9
Aug. 4	32.4	Aug. 1	36.3	Aug. 2	33.9	Aug. 2	34.3
Sept. 2	32.1	31	34.1	Sept. 5	32.2	Sept. 3	32.4
Oct. 4	30.4	Oct. 4	32.8	Oct. 2	31.8	Oct. 2	31.4
Nov. 2	29.9	Nov. 1	33.0	Nov. 2	31.6	Nov. 4	31.5
Dec. 1	30.7	Dec. 5	33.5	Dec. 3	31.5	Dec. 5	32.0

381032121114702. Local number 4N/7E-22Q5 M. Adolphus Eddlemon. About 4.9 mi (7.9 km) north-east of Lodi. Drilled observation artesian well in Victor, Arroyo Seco, and Laguna Formations, diam 10 in (25 cm), depth 130 ft (40 m), casing information not available. Lsd 83.83 ft (25.55 m) above msl. Highest water level 36.34 ft (11.08 m) below lsd, Mar. 31, 1943; lowest 91.4 ft (27.9 m) below lsd Aug. 2, 1974. Records available: 1935-68, 1971-74. Measurement resumed in 1971. Measured by East Bay Municipal Utility District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1971	73.2	Jan. 7, 1972	74.8	Jan. 5, 1973	79.4	Jan. 8, 1974	80.4
Feb. 2	72.1	Feb. 4	73.9	Feb. 5	77.1	Feb. 4	76.7
Mar. 2	71.5	Mar. 2	74.3	Mar. 5	76.0	Mar. 5	75.5
Apr. 2	77.6	Apr. 4	87.0	Apr. 3	75.4	Apr. 2	74.6
May 5	79.0	May 2	82.6	May 2	81.3	May 2	78.8
June 2	77.0	June 5	85.1	June 4	82.1	June 6	81.3
July 2	81.0	July 5	88.2	July 3	85.7	July 2	87.2
Aug. 4	84.4	Aug. 2	91.1	Aug. 3	91.9	Aug. 2	91.4
Sept. 2	83.2	31	86.8	Sept. 5	85.3	Sept. 4	85.3
Oct. 6	79.5	Oct. 10	81.8	Oct. 9	82.7	Oct. 7	82.6
Nov. 3	77.8	Nov. 2	81.5	Nov. 5	80.7	Nov. 4	84.7
Dec. 2	76.3	Dec. 5	79.7	Dec. 4	79.1	Dec. 5	79.7

380940121114601. Local number 4N/7E-27P1 M. Frank H. and Leonard W. Buck. About 4.4 mi (7.1 km) northeast of Lodi. Drilled observation water-table well in Victor Formation of Pleistocene age, diam 10 in (25 cm), depth 48 ft (15 m), cased to 48 ft (15 m), perforated 39-48 ft (12-15 m). Lsd 81.20 ft (24.75 m) above msl. Highest water level 24.60 ft (7.50 m) below lsd, June 3, 1938; lowest 43.4 ft (13.2 m) below lsd Jan. 5, 1973. Records available: 1935-68, 1971-74. Measurement resumed in 1971. Measured by East Bay Municipal Utility District.

380940121114601--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1971	40.5	Jan. 7, 1972	41.8	Jan. 5, 1973	43.4	Jan. 8, 1974	40.1
Feb. 2	40.5	Feb. 4	42.1	Feb. 5	42.4	Feb. 4	39.6
Mar. 2	40.4	Mar. 2	42.6	Mar. 5	41.2	Mar. 5	39.9
Apr. 2	40.5	Apr. 4	43.0	Apr. 3	40.6	Apr. 2	39.6
May 5	39.7	May 2	43.0	May 2	40.9	May 2	39.5
June 2	40.2	June 5	42.3	June 4	41.2	June 6	39.3
July 2	40.4	July 5	41.8	July 3	41.1	July 2	39.5
Aug. 4	40.4	Aug. 2	41.9	Aug. 3	41.3	Aug. 2	40.5
Sept. 2	40.9	31	42.0	Sept. 5	41.5	Sept. 4	40.9
Oct. 6	40.9	Oct. 10	42.4	Oct. 9	41.6	Oct. 1	40.9
Nov. 3	40.7	Nov. 2	42.9	Nov. 5	41.9	Nov. 4	41.1
Dec. 2	41.0	Dec. 5	43.1	Dec. 4	40.7	Dec. 5	41.6

381007121153601. Local number 4N/7E-30E4 M. Charles Weber. About 2.5 mi (4.0 km) north of Lodi. Drilled unused water-table well in Victor Formation of Pleistocene age, diam 6 in (15 cm), depth 76 ft (23 m), casing information not available. Lsd 57.18 ft (17.43 m) above msl. Highest water level 26.35 ft (8.03 m) below lsd, Jan. 4, 1944; lowest 60.5 ft (18.4 m) below lsd, Aug. 1, 1972. Records available: 1941-68, 1971-74. Measurement resumed in 1971. Measured by East Bay Municipal Utility District.

Jan. 5, 1971	46.6	Feb. 2, 1972	48.3	Feb. 2, 1973	51.1	Feb. 4, 1974	48.7
Feb. 2	46.5	Mar. 1	48.1	Mar. 2	50.1	Mar. 4	47.9
Mar. 2	45.5	Apr. 4	55.6	May 1	52.3	Apr. 2	47.3
Apr. 1	47.3	May 1	55.6	June 4	53.9	May 2	49.3
May 4	50.3	June 5	54.7	July 3	54.6	June 4	52.7
July 1	53.2	July 5	56.6	Aug. 2	58.0	July 2	54.3
Aug. 4	53.9	Aug. 1	60.5	Sept. 5	55.0	Aug. 2	55.6
Sept. 2	56.7	Oct. 4	55.4	Oct. 3	53.2	Sept. 3	54.8
Oct. 4	52.7	Nov. 1	54.3	Nov. 2	52.0	Oct. 3	52.9
Nov. 2	51.2	Dec. 5	53.0	Dec. 3	50.8	Nov. 4	51.9
Dec. 1	49.7	Jan. 3, 1973	52.0	Jan. 4, 1974	49.3	Dec. 5	50.9
Jan. 4, 1972	48.4						

380911121114801. Local number 4N/7E-34F11 M. John J. Schmiedt. About 4.2 mi (6.8 km) east of Lodi. Drilled observation water-table well in alluvium, diam 4 in (10 cm), depth 23 ft (7 m), casing information not available. Lsd 61.76 ft (18.82 m) above msl. Highest water level 6.09 ft (1.86 m) below lsd, Jan. 6, 1956; lowest 21.0 ft (6.4 m) below lsd, Dec. 5, 1972. Records available: 1952-68, 1971-74. Measurement resumed in 1971. Measured by East Bay Municipal Utility District.

Jan. 7, 1971	16.6	Jan. 6, 1972	19.3	Jan. 5, 1973	20.0	Jan. 8, 1974	15.0
Feb. 2	16.7	Feb. 4	19.6	Feb. 1	16.8	Feb. 4	15.0
Mar. 2	16.6	Mar. 2	20.1	Mar. 2	16.2	Mar. 5	16.9
Apr. 2	17.4	Apr. 4	20.3	Apr. 3	16.8	Apr. 2	16.7
May 4	18.4	May 2	17.6	May 2	18.1	May 2	16.1
June 2	18.3	June 5	19.4	June 4	17.9	June 4	15.7
July 2	17.6	July 5	17.3	July 3	18.1	July 2	17.4
Aug. 4	16.8	Aug. 2	19.5	Aug. 3	18.7	Aug. 2	17.2
Sept. 2	18.5	31	19.9	Sept. 5	18.9	Sept. 4	17.6
Oct. 6	17.5	Oct. 6	20.4	Oct. 9	19.3	Oct. 7	17.9
Nov. 3	17.0	Nov. 2	20.6	Nov. 5	18.9	Nov. 4	17.8
Dec. 2	18.8	Dec. 5	21.0	Dec. 4	16.6	Dec. 5	18.7

#### Santa Barbara County

##### Carpinteria Basin

342446119315701. Local number 4N/25W-19J5 S. Lyman and Young. Drilled unused artesian well in alluvium, diam 8 in (20 cm), depth 100 ft (30 m), casing information not available. Lsd 55 ft (17 m) above msl. Highest water level 26.59 ft (8.10 m) below lsd, Mar. 25, 1969; lowest 92.95 ft (28.33 m) below lsd, Sept. 25, 1951. Records available: 1941-74. Mar. 15, 1971, 34.92; Sept. 16, 41.34; Mar. 9, 1972, 38.47; Apr. 13, 1973, 28.99; Apr. 2, 1974, 28.92.

342414119274201. Local number 4N/25W-26A1 S. Moses Mesa Associates Co. Drilled unused water-table well in Casitas Formation of Pleistocene age; diam 10 in (25 cm); depth 480 ft (146 m); cased to 480 ft (146 m); perforated 228-480 ft (69-146 m), previously reported 228-380 ft (69-116 m). Lsd 420 ft (128 m) above msl. Highest water level 188.30 ft (57.39 m) below lsd, Apr. 2, 1974; lowest 387.00 ft (117.96 m) below lsd, Nov. 28, 1955. Records available: 1940-41, 1944-74. Mar. 16, 1971, 192.30; Sept. 16, 204.04; Mar. 9, 1972, 194.15; Apr. 13, 1973, 195.75; Apr. 2, 1974, 188.30.

342341119290701. Local number 4N/25W-27Q2 S. A. F. Heimlich. Drilled unused artesian well in Casitas Formation of Pleistocene age, diam 10 in (25 cm), depth 198 ft (60 m), casing information not available. Lsd 127 ft (39 m) above msl. Highest water level 73.59 ft (22.43 m) below lsd, May 22, 1964; lowest 175.42 ft (53.47 m) below lsd, Sept. 25, 1951. Records available: 1941-74. Mar. 16, 1971, 101.72; Sept. 16, 105.08 (nearby well being pumped); Mar. 9, 1972, 100.72; Apr. 13, 1973, 94.62; Apr. 2, 1974, 87.02.



342349119312801. Local number 4N/25W-29L1 S. A. P. Salzgeber. Drilled unused artesian well in alluvium, diam 2 in (5.1 cm), depth 110 ft (34 m), casing information not available. Lsd 18 ft (5 m) above msl. Highest water level flowing, 1943, several times 1971, Mar. 9, 1972, Apr. 13, 1973, Apr. 2, 1974; lowest 51.24 ft (15.62 m) below lsd, Sept. 25, 1951. Records available: 1943, 1946, 1950-74. Mar. 16, 1971 (flowing); Sept. 16 (flowing); Mar. 9, 1972 (flowing); Apr. 13, 1973 (flowing); Apr. 2, 1974 (flowing).

## Cuyama Valley

345732119423101. Local number 10N/27W-12R1 S. William Kirschenmann Estate. Drilled domestic and irrigation water-table well in alluvium, diam 12 in (30 cm), depth 131 ft (40 m), cased to 131 ft (40 m), perforated 53-128 ft (16-39 m). Lsd 2,045 ft (623 m) above msl. Highest water level 38.58 ft (11.76 m) below lsd, Apr. 28, 1942; lowest 107.90 ft (32.89 m) below lsd, Mar. 26, 1974. Records available: 1941-74. Mar. 23, 1971, 92.11; Sept. 21, 103.88; Mar. 14, 1972, 92.24; Apr. 11, 1973, 95.05; Mar. 26, 1974, 107.90.

## Goleta Basin

342556119525301. 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 (30 cm), depth 160 ft (49 m), casing information not available. Lsd 51 ft (16 m) above msl. Highest water level 31.54 ft (9.61 m) below lsd, July 6, 1971; lowest 87.46 ft (26.66 m) below lsd, July 30, 1951. Records available: 1941-58, 1960-71. Well destroyed; measurement discontinued Aug. 7, 1971.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1971	g32.25	Mar. 8, 1971	g31.08	Apr. 6, 1971	31.68	June 2, 1971	31.57
Feb. 9	g31.91	Mar. 17	31.78	May 3	31.65	July 6	31.54

g Measurement made by Goleta County Water District.

## San Antonio Valley

344443120164501. 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 Miocene, Pliocene, and Pleistocene age, previously reported Pliocene and Pleistocene(?) age, diam 13 in (33 cm), depth 310 ft (94 m), cased to 310 ft (94 m), perforated 124-310 ft (38-94 m). Lsd 563 ft (172 m) above msl. Highest water level 24.10 ft (7.35 m) below lsd, Mar. 25, 1966; lowest 36.96 ft (11.27 m) below lsd, Aug. 31, 1964. Records available: 1964-74. Mar. 15, 1971, 31.10; Sept. 13, 126.35 (well being pumped); Mar. 8, 1972, 125.32 (well being pumped); Apr. 7, 1973, 26.40; Mar. 25, 1974, 24.25.

344547120252901. 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 (30 cm), depth 150 ft (46 m), casing information not available. Lsd 315 ft (96 m) above msl. Highest water level 12.19 ft (3.72 m) below lsd, Feb. 28, 1944; lowest 36.36 ft (11.08 m) below lsd, Mar. 8, 1972. Records available: 1943-74. Mar. 15, 1971, 26.12; Sept. 13, 27.94; Mar. 8, 1972, 36.36; Apr. 7, 1973, 24.60; Oct. 16, 29.40; Apr. 4, 1974, 22.93.

## Santa Maria Valley

345251120270701. Local number 9N/34W-3N1 S. City of Santa Maria. Near Orcutt. Drilled unused artesian well in Paso Robles Formation of Miocene, Pliocene, and Pleistocene age, previously reported Pliocene and Pleistocene(?) age, diam 16 in (41 cm), depth 232 ft (71 m), perforated 163-190 ft (50-58 m). Lsd 258 ft (79 m) above msl. Highest water level 142 ft (43 m) below lsd, June 30, July 31, 1937, June 30, 1938; lowest dry, Apr. 10, 1973. Records available: 1932-34, 1937-41, 1955-74. Mar. 16, 1971, 184.00; Sept. 17, 184.70; Mar. 8, 1972, 183.68; Apr. 10, 1973 (dry); Apr. 11, 1974, 182.90.

345616120231001. 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 Miocene, Pliocene, and Pleistocene age, previously reported Pliocene and Pleistocene(?) age, diam 16 in (41 cm), depth 307 ft (94 m), perforated 92-97 ft (28-30 m). Lsd 275 ft (84 m) above msl. Highest water level 72.75 ft (22.17 m) below lsd, Apr. 1, 1970; lowest 191.3 ft (58.3 m) below lsd, Aug. 30, 1965. Records available: 1927, 1929-74.

Jan. 1, 1971	g78.0	Oct. 1, 1971	g94.9	July 1, 1972	g154.7	January 1974	g109.2
Mar. 15	c80.25	Jan. 1, 1972	g99.0	Oct. 1	g145.3	Apr. 10	96.50
Apr. 1	g90.8	Mar. 13	100.62	Apr. 9, 1973	c146.3	July	g99.5
July 1	g87.4	Apr. 1	g105.8	Oct. 1	g105.3	Oct. 1	g121.3
Sept. 15	92.83						

c Nearby well being pumped.

g Measurement made by Santa Maria Valley Water Conservation District.

345742120362501. Local number 10N/35W-7F1 S. M. J. Ellis. Near Guadalupe. Drilled domestic and irrigation artesian well in alluvium and Paso Robles Formation of Miocene, Pliocene, and Pleistocene age, previously reported Pliocene and Pleistocene(?) age, diam 12 in (30 cm), depth 249 ft (76 m), perforated 140-145 ft (43-44 m), 200-225 ft (61-69 m). Lsd 48 ft (15 m) above msl. Highest water level flowing, Dec. 30, 1943, Feb. 29, 1944; lowest g33.3 ft (10.2 m) below lsd, July 1, 1966. Records available: 1929-36, 1938-74.

Jan. 1, 1971	g10.0	Sept. 13, 1971	a44.70	Apr. 1, 1972	g9.7	January 1974	g14.3
Mar. 16	16.22	Oct. 1	g23.7	July 1	g11.0	Apr. 11	4.20
Apr. 1	g16.2	Jan. 1, 1972	g7.7	Apr. 12, 1973	8.54	July	g14.6
July 1	g24.7	Mar. 9	8.22	Oct. 3	g20.5	Oct. 15	g14.6

a Well being pumped.

g Measurement made by Santa Maria Valley Water Conservation District.

## Santa Ynez Valley

343627120030801. Local number 6N/30W-9N1 S. San Lucas Ranch. Near Santa Ynez. Drilled stock water-table well in Paso Robles(?) Formation of Miocene, Pliocene, and Pleistocene age, previously reported Pliocene and Pleistocene(?) age, diam 8 in (20 cm), depth 160 ft (49 m), casing information not available. Lsd 660.01 ft (201.17 m) above msl. Highest water level 24.06 ft (7.33 m) below lsd, July 27, 1960; lowest 41.54 ft (12.66 m) below lsd, Jan. 30, 1956. Records available: 1941-74. Apr. 2, 1971, 39.59; Sept. 14, 39.50, Mar. 9, 1972, 40.33; Apr. 19, 1973, 41.05; Apr. 10, 1974, 40.89.

343714120144501. Local number 6N/32W-9A2 S. E. F. Airey. Near Buellton. Drilled irrigation water-table well in alluvium, diam 12 in (30 cm), depth 72 ft (22 m), casing information not available. Lsd 308.03 ft (93.89 m) above msl. Highest water level 29.86 ft (9.10 m) below lsd, Mar. 17, 1952; lowest 42.30 ft (12.89 m), below lsd, Sept. 20, 1971. Records available: 1945, 1950-58, 1960-74. Mar. 22, 1971, 37.59; Sept. 20, 42.30; Mar. 16, 1972, 38.29; Apr. 24, 1973, 35.60; Apr. 11, 1974, 34.98.

343630120213501. Local number 6N/33W-9P1 S. Hollister Estate. Near Lompoc. Drilled unused water-table well in alluvium, diam 16 in (41 cm), depth 83 ft (25 m), casing information not available. Lsd 203.03 ft (61.88 m) above msl. Highest water level 21.80 ft (6.6 m) below lsd, Apr. 3, 1941; lowest 55.76 ft (17.00 m) below lsd, Sept. 27, 1961. Records available: 1932-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1971	37.02	Jan. 24, 1972	37.40	Jan. 24, 1973	40.74	Jan. 28, 1974	35.02
Feb. 25	31.18	Feb. 23	36.13	Feb. 22	37.86	Feb. 26	35.74
Mar. 24	35.77	Mar. 22	c41.45	Mar. 23	35.75	Mar. 27	34.34
Apr. 26	41.55	Apr. 25	40.80	Apr. 24	36.74	Apr. 26	34.28
May 25	41.51	May 24	c41.12	May 23	37.07	May 29	36.35
June 25	38.90	June 26	41.48	June 25	36.61	July 1	37.42
Aug. 2	37.88	July 24	c43.16	July 24	37.17	Aug. 6	40.94
Aug. 25	40.49	Aug. 25	43.72	Aug. 28	37.35	23	c41.52
25	41.68	Sept. 25	42.43	Sept. 26	36.42	Sept. 27	39.65
Sept. 24	39.53	Oct. 25	37.75	Nov. 6	36.85	Oct. 30	38.70
Oct. 26	39.24	Nov. 27	42.22	28	37.28	Nov. 27	40.00
Nov. 22	39.22	Dec. 26	41.59	Jan. 2, 1974	35.35	Dec. 23	37.50
Dec. 21	39.48						

c Nearby well being pumped.

343831120055001. Local number 7N/31W-36L2 S. D. B. Kilbourne. Near Ballard. Baseline and Grand (Refugio) Aves. Drilled domestic irrigation water-table well in Paso Robles Formation, diam 12 in (30 cm), depth 230 ft (70 m), casing information not available. Lsd 720.62 ft (219.64 m) above msl. Highest water level 16.54 ft (5.04 m) below lsd, Apr. 7, 1943; lowest 128.20 ft (39.08 m) below lsd, Oct. 14, 1968. Records available: 1942-74. Mar. 17, 1971, 90.76; Sept. 15, 96.04; Mar. 10, 1972, 87.92; Apr. 19, 1973, 85.30; Apr. 10, 1974, 84.27.

344219120250601. 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 (20 to 41 cm), depth 385 ft (117 m), cased to 385 ft (117 m), perforated 145-385 ft (44-117 m). Lsd 385.83 ft (117.60 m) above msl. Highest water level 301.70 ft (91.96 m) below lsd, June 25, 1949; lowest dry, Mar. 29, Oct. 27, 1967. Records available: 1949-67, 1970-74.

Jan. 5, 1971	314.87	Jan. 24, 1972	315.55	Jan. 24, 1973	316.98	Jan. 28, 1974	316.80
Feb. 25	314.83	Feb. 23	314.82	Feb. 23	316.84	Feb. 26	316.70
Mar. 24	313.54	Mar. 22	315.79	Mar. 27	316.70	Mar. 26	316.78
Apr. 25	314.78	Apr. 25	315.98	Apr. 24	316.36	Apr. 26	316.91
May 25	314.86	May 24	316.09	May 24	316.85	May 29	320.75
June 25	314.96	June 26	316.28	June 25	316.92	July 1	316.90
Aug. 2	315.17	July 24	316.30	July 24	317.08	Aug. 6	317.05
Aug. 25	314.86	Aug. 25	316.34	Aug. 28	317.10	22	317.10
25	314.34	Sept. 25	316.60	Sept. 26	316.60	Sept. 27	317.25
Sept. 24	315.60	Oct. 25	316.64	Nov. 6	316.93	Oct. 30	316.70
Oct. 26	315.58	Nov. 27	316.70	27	316.91	Nov. 27	317.20
Nov. 22	315.59	Dec. 26	316.85	Jan. 2, 1974	316.67	Dec. 23	317.33
Dec. 21	315.38						

343948120292001. Local number 7N/34W-29E4 S. W. H. Sanor. Near Lompoc. Central and Floradale Aves. Drilled irrigation artesian well in alluvium, diam 16 in (41 cm), depth 176 ft (54 m), casing information not available. Lsd 67.71 ft (20.64 m) above msl. Highest water level 18.36 ft (5.60 m) below lsd, Mar. 31, 1958; lowest 48.14 ft (14.67 m) below lsd, July 24, 1963. Records available: 1945-74. Mar. 19, 1971, 37.30; Sept. 17, 36.46; Mar. 15, 1972, 46.13; Apr. 16, 1973, 28.72; Apr. 10, 1974, 30.29.

343941120313901. 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 (20 cm), depth 141 ft (43 m), perforated 132-140 ft (40-43 m). Lsd 40.86 ft (12.45 m) above msl. Highest water level 4.53 ft (1.38 m) below lsd, Feb. 26, 1969; lowest 36.40 ft (11.09 m) below lsd, Mar. 29, 1965. Records available: 1947-74.

Jan. 25, 1971	11.38	Sept. 23, 1971	22.32	Apr. 25, 1972	25.25	Dec. 26, 1972	14.22
Feb. 24	d17.11	Oct. 26	17.66	May 24	24.87	Jan. 24, 1973	12.60
Mar. 24	c33.76	Nov. 22	15.07	June 26	30.05	Feb. 23	12.50
Apr. 26	18.24	Dec. 21	13.00	July 24	31.25	Mar. 27	10.18
May 25	c25.26	Jan. 24, 1972	12.30	Aug. 25	35.62	Apr. 24	17.00
June 23	c25.35	Feb. 23	15.69	Sept. 25	27.35	May 24	21.55
July 23	26.23	Mar. 14	c26.01	Oct. 25	21.53	June 25	30.81
Aug. 25	23.59	22	c30.66	Nov. 27	15.53	July 24	28.80

343941120313901--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 23, 1973	32.90	Jan. 25, 1974	9.93	May 28, 1974	20.10	Sept. 25, 1974	19.52
Sept. 25	21.86	Feb. 25	13.03	June 25	20.90	Oct. 25	17.50
Oct. 25	16.88	Mar. 25	16.81	July 25	24.50	Nov. 22	13.73
Nov. 26	13.46	Apr. 25	18.78	Aug. 23	25.25	Dec. 23	10.95
Dec. 26	11.90						

c Nearby well being pumped.

d Nearby well pumped recently.

Siskiyou County

## Butte Valley

415105121545901. Local number 46N/1E-6N1 M. Leo Luzzi. About 4 mi (6 km) west-northwest of Macdoel. Drilled irrigation water-table well in lake deposits, diam 18 in (46 cm), depth 200 ft (61 m), casing information not available. Lsd 4,242.4 ft (1,293.1 m) above msl. Highest water level 16.03 ft (4.89 m) below lsd, Sept. 17, 1964; lowest 43.3 ft (13.2 m) below lsd, June 6, 1974. Records available: 1953-54, 1958-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources and U.S. Bureau of Reclamation.

Apr. 6, 1971	18.5	Dec. 16, 1971	20.8	Oct. 6, 1972	26.3	May 1, 1974	24.2
June 30	29.0	Feb. 18, 1972	20.1	Apr. 19, 1973	29.6	June 6	43.3
July 27	30.5	Mar. 21	19.5	Sept. 7	41.3	Aug. 6	39.1
Aug. 31	30.4	Apr. 27	19.1	Oct. 4	29.5	Sept. 4	39.1
Oct. 7	24.4	June 29	25.6	10	27.2	Oct. 6	23.2
28	22.3	Oct. 4	33.8	Apr. 11, 1974	20.0	7	27.1
29	23.6						

415523121563801. Local number 47N/1W-14B1 M. U.S. Department of Interior, Bureau of Reclamation. About 3.4 mi (5.5 km) southwest of Dorris. Drilled observation water-table well in lake deposits, diam 2 in (5.1 cm), depth 50 ft (15 m), casing information not available. Lsd 4,233.7 ft (1,290.4 m) above msl. Highest water level 7.1 ft (2.2 m) below lsd June 3, 1974; lowest 18.5 ft (5.6 m) below lsd, Nov. 26, 1951. Records available: 1951-54, 1958-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources and U.S. Bureau of Reclamation.

Apr. 6, 1971	7.8	May 8, 1972	7.5	May 8, 1973	8.5	May 1, 1974	7.2
June 30	8.2	31	7.5	June 7	8.6	June 3	7.1
July 27	8.3	June 29	7.5	July 6	8.6	July 3	7.3
Aug. 30	8.5	July 28	7.7	Aug. 8	8.8	Aug. 6	7.5
Oct. 7	8.8	Sept. 6	8.0	Sept. 7	8.9	Sept. 4	7.8
29	8.8	Oct. 6	8.1	Oct. 4	9.1	Oct. 7	8.0

## Scott Valley

412722122522501. Local number 42N/9W-27N1 M. J. Starr. About 1 mi (2 km) east of Etna. Dug unused water-table well in alluvium of Quaternary age, size 5 x 5 ft (2 x 2 m), depth 19 ft (6 m), casing information not available. Lsd 2,930 ft (893 m) above msl. Highest water level 0.84 ft (0.26 m) below lsd, May 22, 1963; lowest 9.8 ft (3.0 m) below lsd, Sept. 23, 1959. Records available: 1953-54, 1958-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources.

Apr. 7, 1971	1.6	Mar. 21, 1972	2.4	Apr. 20, 1973	2.2	Apr. 20, 1974	3.2
Oct. 26	5.2	Oct. 3	6.9	Oct. 9	7.7	Oct. 15	8.4

413746122532401. Local number 44N/9W-28P1 M. R. H. Dilley. About 3 mi (5 km) northeast of Ft. Jones. Drilled unused water-table well in alluvium of Quaternary age, diam 8 in (20 cm), depth 65 ft (20 m), casing information not available. Lsd 2,711 ft (826 m) above msl. Highest water level 3.0 ft (0.9 m) below lsd, Apr. 10, 1974; lowest 26.7 ft (8.1 m) below lsd, Dec. 17, 1959, Jan. 28, 1960. Records available: 1953-54, 1958-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources. Apr. 7, 1971, 4.5; Oct. 3, 1972, 21.7; Apr. 20, 1973, 13.7; Oct. 9, 26.5; Apr. 10, 1974, 3.0; Oct. 15, 14.6.

## Shasta Valley

412955122310501. Local number 42N/6W-10J1 M. G. G. Maxwell. About 8 mi (13 km) northwest of Weed. Drilled domestic water-table well in pyroclastics, diam 6 in (15 cm), depth 110 ft (34 m), casing information not available. Lsd 2,835 ft (864 m) above msl. Highest water level 1.42 ft (0.43 m) below lsd, Apr. 27, 1962; lowest 15.9 ft (4.9 m) below lsd, Sept. 21, 1960. Records available: 1953-54, 1958-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources.

Apr. 7, 1971	5.9	Mar. 20, 1972	6.9	Apr. 20, 1973	2.3	Apr. 10, 1974	2.5
Oct. 26	11.8	Oct. 3	12.3	Oct. 9	15.7	Oct. 15	9.8

413710122235601. Local number 44N/5W-34H1 M. Henry Silva. About 1.8 mi (2.9 km) north of Big Springs. Drilled irrigation water-table well in Plutos Cave Basalt of Holocene age, diam 16 in (41 cm), depth 96 ft (29 m), casing information not available. Lsd 2,637 ft (804 m) above msl. Highest water level 23.46 ft (7.15 m) below lsd, Sept. 28, 1961; lowest 32.6 ft (9.9 m) below lsd, Apr. 28, 1961. Records available: 1953-54, 1958-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 6, 1971	30.0	Mar. 21, 1972	31.5	Apr. 19, 1973	29.0	Apr. 10, 1974	28.0
Oct. 27	26.3	Oct. 3	26.0	Oct. 10	28.4	Oct. 15	26.5

414410122352901. Local number 45N/6W-19E1 M. George Weldon. About 3 mi (5 km) east of Yreka. Drilled domestic water-table well in Chico Formation of Late Cretaceous age, diam 16 in (41 cm), depth 425 ft (130 m), casing information not available. Lsd 2,538 ft (774 m) above msl. Highest water level 15.0 ft (4.6 m) below lsd, Apr. 10, 1974; lowest 31.4 ft (9.6 m) below lsd, July 27, 1961. Records available: 1953-54, 1958-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 6, 1971	16.0	Mar. 21, 1972	17.9	Apr. 20, 1973	19.2	Apr. 10, 1974	15.0
Oct. 26	20.4	Oct. 3	25.5	Oct. 9	22.0	Oct. 15	21.5

### Solano County

#### Putah and Suisun-Fairfield Area

381453122071001. Local number 5N/2W-30J1 M. R. P. Robbins. About 3 mi (5 km) west of Fairfield. Drilled irrigation, artesian or water-table unknown, well in alluvium, diam 12 in (30 cm), depth 220 ft (67 m), casing information not available. Lsd 65 ft (20 m) above msl. Highest water level 10.5 ft (3.2 m) below lsd, Feb. 27, 1973; lowest 41.8 ft (12.7 m) below lsd, Feb. 8, 1960. Records available: 1959-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1971	17.1	Feb. 28, 1972	24.0	Feb. 27, 1973	10.5	Feb. 27, 1974	17.3
Mar. 2	20.1	Mar. 29	24.0	Mar. 27	11.5	Mar. 27	17.0
Apr. 30	20.7	Apr. 24	21.7	Apr. 27	15.1	Apr. 30	16.4
May 25	15.0	May 31	18.9	May 31	14.9	May 29	18.4
July 30	16.9	June 28	18.1	June 28	16.2	June 26	16.8
Aug. 31	18.2	July 28	19.4	July 27	17.1	July 26	18.2
Sept. 28	19.3	Aug. 30	19.3	Aug. 29	17.3	Aug. 26	18.2
Oct. 26	20.7	Sept. 28	20.9	Sept. 28	20.7	Sept. 26	20.5
Nov. 29	22.0	Oct. 30	21.8	Oct. 30	21.2	Oct. 29	21.7
Dec. 29	23.0	Nov. 28	19.8	Nov. 27	19.1	Nov. 26	22.6
Jan. 27, 1972	23.7	Dec. 29	19.7	Dec. 27	17.7	Dec. 23	23.1
		Jan. 30, 1973	11.5	Jan. 29, 1974	15.3		

### Sonoma County

#### Cloverdale Area

384717123004801. Local number 11N/10W-19F2 M. California Division of Forestry. About 1 mi (2 km) south of Cloverdale. Drilled unused artesian well in Franciscan Formation of Late Jurassic to Eocene age (previously reported Late Cretaceous age), and Knoxville Formation of Late Jurassic age, diam 8 in (20 cm), depth 160 ft (49 m), cased to 135 ft (41 m), perforated 116-135 ft (35-41 m). Lsd 346 ft (105 m) above msl. Highest water level 0.55 ft (0.17 m) below lsd, Apr. 17, 1963; lowest 17.32 ft (5.28 m) below lsd, Sept. 15, 1964. Records available: 1952-55, 1958-74. Measurement resumed in 1969. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 19, 1969	3.6	Oct. 7, 1970	12.3	Mar. 9, 1972	3.6	Oct. 4, 1973	9.2
Oct. 8	11.9	Mar. 11, 1971	4.2	Oct. 11	9.1	Mar. 12, 1974	2.8
Mar. 26, 1970	3.8	Oct. 5	11.4	Mar. 19, 1973	8.1	Oct. 9	7.4

#### Healdsburg Area

383535122521301. Local number 9N/9W-28N1 M. G. P. Brown. About 1 mi (2 km) south of Healdsburg. Drilled irrigation water-table well in alluvium, diam 10 in (25 cm), depth 53 ft (16 m), casing information not available. Lsd 90 ft (27 m) above msl. Highest water level 7.6 ft (2.3 m) below lsd, Feb. 9, 1960; lowest 27.79 ft (8.47 m) below lsd, Sept. 26, 1972. Records available: 1953-54, 1958-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1971	16.70	Apr. 14, 1971	17.97	Mar. 29, 1972	18.79	Sept. 19, 1973	27.24
Feb. 16	18.19	May 13	18.54	Sept. 26	27.79	Mar. 26, 1974	18.53
Mar. 15	16.85	Sept. 10	25.46	June 1, 1973	20.65	Sept. 19	25.15

b Well pumped recently.

## Santa Rosa-Petaluma Area

382229122473101. Local number 6N/8W-7P2 M. Joseph Kardoheley. About 5 mi (8 km) southwest of Santa Rosa. Drilled domestic and irrigation water-table well in Merced Formation of Pliocene and Pleistocene age, diam 8 in (20 cm), depth 120 ft (37 m), casing information not available. Lsd 95 ft (29 m) above msl. Highest water level 10.6 ft (3.2 m) below lsd, Mar. 22, 1950; lowest 48.70 ft (14.84 m) below lsd, July 1949. Records available: 1945, 1949-74. Measurement resumed in 1969. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 18, 1969	13.0	Oct. 8, 1970	b49.0	Mar. 9, 1972	18.7	Oct. 5, 1973	34.4
Oct. 7	32.7	Mar. 10, 1971	15.3	Oct. 12	30.3	Mar. 14, 1974	12.8
Mar. 25, 1970	22.6	Oct. 6	34.6	Mar. 20, 1973	a13.2	Oct. 8	26.3

a Well being pumped.  
b Well pumped recently.

## Sonoma Valley

381700122261401. Local number 5N/5W-17C1 M. Virginia Raab. Formerly L. McNiell. About half a mile north of Vineburg. Drilled domestic (previously reported unused) water-table well in alluvium, diam 6 in (15 cm), depth 64 ft (20 m), casing information not available. Lsd 85 ft (26 m) above msl. Highest water level 8.9 ft (2.7 m) below lsd, Mar. 20, 1973; lowest 28.0 ft (8.5 m) below lsd, Oct. 23, 1967. Records available: 1962-74. Measurement resumed in 1970. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 25, 1970	14.8	Oct. 6, 1971	17.9	Mar. 20, 1973	8.9	Mar. 8, 1974	11.0
Oct. 9	25.1	Mar. 10, 1972	11.2	Oct. 9	17.0	Oct. 7	18.2
Mar. 9, 1971	11.5	Oct. 12	16.4				

381452122264801. Local number 5N/5W-29N1 M. Moll. Formerly P. Swartz. About 2.8 mi (4.5 km) south of Sonoma. Drilled irrigation water-table well in alluvium, diam 10 in (25 cm), depth 100 ft (30 m), casing information not available. Lsd 16 ft (5 m) above msl. Highest water level 1.0 ft (0.3 m) below lsd, Apr. 24, 1967; lowest 19.60 ft (5.97 m) below lsd, Jan. 2, 1963. Records available: 1951-74. Measurement resumed in 1970. Measurements made by California Department of Water Resources. Mar. 25, 1970, 5.9; Oct. 6, 1971, 13.2; Mar. 10, 1972, 9.9; Mar. 20, 1973, 3.6; Oct. 9, 12.8; Mar. 8, 1974, 4.3; Oct. 7, 13.0.

## Yolo County

## Putah and Suisun-Fairfield Area

383248121505501. Local number 8N/1E-15B1 M. Frank E. Russell. About 6 mi (10 km) west of Davis. Drilled stock water-table well in alluvium of Holocene age, diam 10 in (25 cm), depth 116 ft (35 m), casing information not available. Lsd 83.48 ft (25.48 m) above msl. Highest water level 13.8 ft (4.2 m) below lsd May 16, 1941; lowest 34.74 ft (10.59 m) below lsd, Jan. 11, 1962. Records available: 1931-42, 1948-51, 1958-68, 1971-74. Measurement resumed in 1971. Measurements made by California Department of Water Resources.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1971	25.7	Feb. 12, 1972	28.5	Dec. 28, 1972	32.6	Dec. 27, 1973	26.2
Feb. 25	25.9	29	28.6	Jan. 31, 1973	30.9	Jan. 30, 1974	26.2
Mar. 3	25.5	Mar. 30	29.2	Feb. 28	27.2	Feb. 28	26.1
31	25.3	Apr. 28	27.9	Mar. 31	24.3	Mar. 29	25.8
Apr. 29	24.7	May 31	27.8	Apr. 12	23.9	Apr. 26	26.3
May 27	25.1	June 29	28.7	27	23.2	May 31	23.0
June 30	24.6	July 21	29.3	May 31	22.7	June 28	23.0
July 30	24.3	28	29.2	June 29	22.4	July 30	23.3
Aug. 31	25.2	Aug. 30	30.3	July 31	23.0	Aug. 30	24.7
Sept. 30	26.6	Sept. 2	30.1	Aug. 31	24.1	Sept. 27	25.6
Oct. 29	27.3	29	31.3	Sept. 28	25.1	Oct. 31	26.1
30	27.1	Oct. 29	32.0	Oct. 27	25.7	Nov. 4	20.9
Nov. 30	27.8	31	31.9	31	25.8	27	26.6
Dec. 30	28.2	Nov. 29	32.4	Nov. 29	26.2	Dec. 27	26.8
Jan. 27, 1972	28.4						

# 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 in 1971 the local well-numbering system for Hawaii was restructured to contain seven digits based on a non-arbitrary, unique one minute grid system. One-minute parallel lines for both latitude and longitude are drawn on the map resulting in one-minute grids. Each grid is designated by a four-digit number. The first two digits represent minutes of latitude for the grid and the second two digits represent minutes of longitude for that grid. This establishes unique minute grid numbers within each of the islands in the state.

To distinguish wells within a minute grid, two digits are added following the 4-digit minute grid numbers with a dash separator. These two-digit numbers are assigned with the oldest well dug within the grid as 01 and increase chronologically, with few exceptions, to the latest dug.

Since it is possible for more than one well to have a same 6-digit number on different islands, another digit distinguishing each of the islands, is added in front of the 6-digit number with a dash separator.

For continuity, the old well numbers are listed after the new well numbers.

## Well Descriptions and Water-Level Measurements

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

### Island of Molokai

210605157012001 (revised). Local number 4-0601-01. Formerly 11. Molokai Ranch. Kaunakakai Gulch. Drilled unused basal water-table well in basalt of East Molokai Volcanic Series, Pliocene(?) age, diam 12 in (30 cm), depth 59 ft (18 m), cased to 20 ft (6 m). MP top of surface casing, 51.95 ft (15.83 m) above msl. Highest water level 3.30 ft (1.01 m) above msl, Jan. 20, 1969; lowest 1.6 ft (0.5 m) above msl, Dec. 5, 1964. Records available: 1954-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1971	2.89	Mar. 14, 1972	2.74	Mar. 14, 1973	2.56	Jan. 28, 1974	2.94
Mar. 9	2.66	May 6	2.50	Apr. 29	2.56	Mar. 21	2.70
May 3	2.59	June 24	2.37	June 7	2.55	May 16	2.63
June 23	2.69	Aug. 16	2.72	July 28	2.64	July 11	2.57
Aug. 16	2.74	Oct. 2	2.82	Sept. 10	2.75	Sept. 6	2.85
Oct. 12	2.71	Nov. 22	2.55	Nov. 9	2.81	Oct. 18	2.78
Dec. 7	2.78	Jan. 24, 1973	2.53	Dec. 14	2.82	Dec. 13	2.74
Jan. 26, 1972	2.69						

### Island of Oahu

211646157465202. Local number 3-1646-02. Formerly 1A. B. P. Bishop Estate. Waialae Golf Links, Honolulu. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 4 in (10 cm), depth 131 ft (40 m), cased to 100 ft (30 m). MP top of recorder platform, 15.44 ft (4.71 m) above msl. Highest water level 9.62 ft (2.93 m) above msl, Jan. 10, 1969; lowest 7.50 ft (2.29 m) above msl, May 31, 1947. Records available: 1933-74. Records furnished by Honolulu Board of Water Supply.

211646157465202--Continued.

Mean water level for the day, above msl, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.53	8.59	8.41	8.37	e8.3	8.41	8.47	8.54	8.52	8.51	8.53	8.58
10	8.50	8.54	8.38	8.39	8.41	8.42	8.51	8.53	8.51	8.48	8.52	8.56
15	e8.5	8.49	8.36	8.37	8.38	8.46	e8.5	8.55	8.51	8.48	8.50	8.56
20	8.57	8.46	8.40	8.39	8.38	8.46	e8.4	8.54	8.51	8.45	8.51	8.55
25	8.57	8.48	8.40	8.45	8.37	8.45	e8.5	8.53	8.50	8.47	8.55	8.52
Eom	8.61	8.42	8.41	8.41	8.38	8.47	8.51	8.53	8.49	8.50	8.57	8.51

1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.50	8.44	e8.4	8.31	8.18	8.14	8.06	8.06	8.14	8.09	8.03	7.99
10	8.46	8.35	8.45	8.28	8.18	8.09	8.04	8.07	8.10	8.11	8.04	7.94
15	e8.4	8.33	8.42	8.30	8.20	8.08	8.06	8.12	8.09	8.12	8.03	7.96
20	8.3	8.33	8.39	8.28	8.16	8.06	8.06	8.08	8.06	8.09	8.00	7.94
25	8.46	e8.3	8.40	8.24	8.13	8.05	8.04	8.07	8.10	8.07	8.00	7.98
Eom	8.41	e8.4	8.32	8.23	8.12	8.05	8.04	8.15	8.11	8.06	8.01	7.96

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	7.94	7.86	7.90	7.85	7.79	7.73	7.72	7.78	7.78	7.79	7.80	....
10	7.91	7.87	7.88	7.83	7.81	7.71	7.76	7.79	7.77	7.79	7.78	....
15	7.84	7.87	7.84	7.81	7.80	7.70	7.78	7.77	7.80	7.76	7.81	....
20	7.86	7.86	7.82	7.83	7.77	7.72	7.77	7.76	7.78	7.75	7.82	....
25	7.79	7.89	7.85	7.79	7.78	7.68	7.77	7.79	7.77	7.76	7.84	....
Eom	7.84	7.87	7.80	7.79	7.76	7.70	7.76	7.79	7.79	7.78	....	....

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	....	....	....	7.75	7.72	7.83	7.95	7.92	7.93	7.94
10	....	....	....	....	....	7.76	7.71	7.85	7.96	7.88	7.95	7.93
15	....	....	....	....	....	7.76	e7.7	7.90	7.95	7.90	7.95	7.92
20	....	....	....	....	....	7.77	7.75	7.93	7.96	7.95	7.96	7.97
25	....	....	....	....	....	e7.7	7.78	7.96	7.92	7.88	7.99	7.93
Eom	....	....	....	....	....	7.76	7.78	7.95	7.92	7.93	7.97	7.89

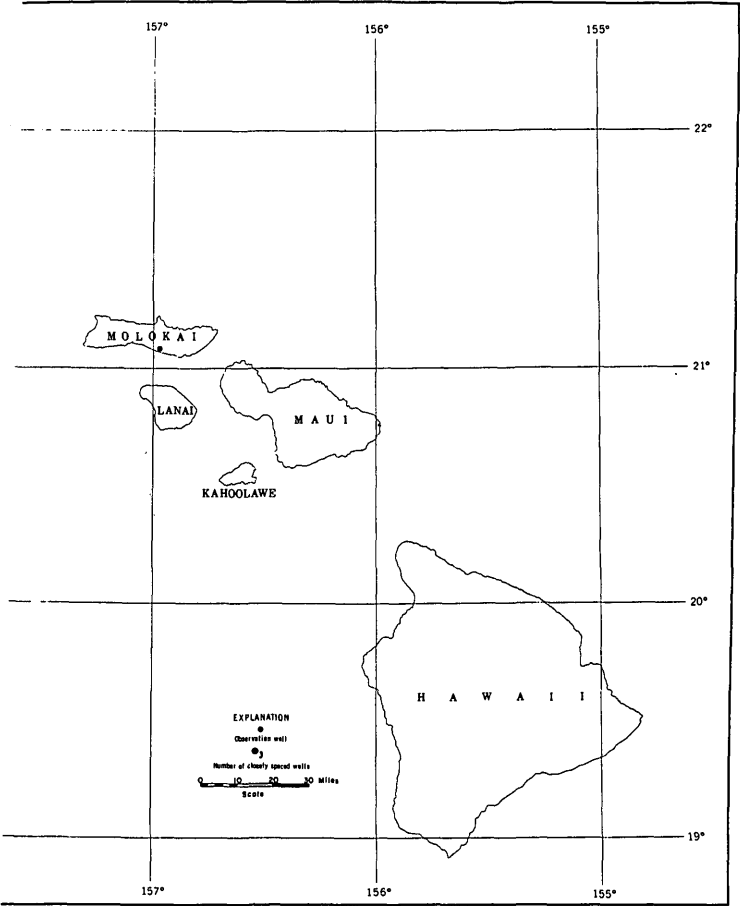
e Estimated.

211717157473901. Local number 3-1747-01. Formerly 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(?) and Pleistocene age, diam 1 in (2.5 cm), depth 171 ft (52 m), cased to 168 ft (51 m), perforated 158 ft (48 m), 163 ft (50 m), 167 ft (51 m). MP top of 1-in (2.5-cm) casing, 151.90 ft (46.30 m) above msl. Highest water level 11.07 ft (3.37 m) above msl, Aug. 12, 1937; lowest 8.72 ft (2.66 m) above msl, Sept. 21, 1960. Records available: 1936-74. Records furnished by Honolulu Board of Water Supply.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1971	9.43	Jan. 6, 1972	9.64	Dec. 20, 1972	9.17	Dec. 27, 1973	8.87
14	9.24	13	9.60	Jan. 4, 1973	9.17	Jan. 10, 1974	9.09
21	9.35	20	9.60		9.13		9.12
28	10.35	27	9.65		9.11		9.11
Feb. 11	9.59	Feb. 3	9.67	Feb. 1	9.09	30	9.12
25	9.41	10	9.63	8	9.07	Feb. 7	9.08
Mar. 4	9.37	17	9.63	15	9.10	14	9.09
10	9.33	24	9.66	22	9.12	20	9.07
18	9.19	Mar. 2	9.72	Mar. 1	9.12	28	9.03
24	9.33	9	9.75	8	9.10	Mar. 7	8.98
31	9.35	16	9.72	15	9.09	14	9.00
Apr. 7	9.34	23	9.65	22	9.07	21	8.99
15	9.18	Apr. 6	9.63	29	9.05	28	9.00
22	9.36	13	9.58	Apr. 5	9.07	Apr. 4	8.91
29	9.37	19	9.59	12	9.09	9	8.99
May 6	9.35	27	9.54	18	9.06	18	8.98
13	9.33	May 4	9.52	26	9.29	25	8.97
20	9.35	11	9.46	May 3	9.26	May 16	9.23
June 3	9.39	18	9.47	10	9.31	23	9.18
9	9.36	25	9.43	17	9.28	30	9.18
17	9.44	June 1	9.40	24	9.27	June 6	9.17
24	9.40	8	9.32	31	9.22	13	9.15
July 1	9.45	15	9.30	June 7	9.23	20	9.12
8	9.42	22	9.23	14	9.18	27	9.24
15	10.42	29	9.20	28	9.22	July 3	9.20
22	9.66	July 6	9.23	July 12	9.19	11	9.16
29	9.72	13	9.20	19	9.19	18	9.20
Aug. 5	9.48	20	9.22	25	9.17	25	9.21
12	9.71	27	9.18	Aug. 9	8.91	Aug. 1	9.16
18	9.65	Aug. 3	9.21	15	8.92	8	9.24
25	9.71	9	9.19	23	8.96	23	8.98
Sept. 2	9.67	16	9.25	29	8.95	Sept. 11	8.96
9	9.69	24	9.21	Sept. 6	8.90	19	9.18
16	9.66	31	9.31	13	8.91	26	9.20
23	9.69	Sept. 7	9.27	20	8.94	Oct. 3	9.16
29	9.65	14	9.34	27	8.94	9	9.15
Oct. 7	9.68	21	9.35	Oct. 3	8.98	17	8.93
15	9.66	28	9.39	11	8.92	24	9.41
21	9.63	Oct. 4	9.38	19	8.93	30	9.38
Nov. 19	9.43	12	9.40	26	8.90	Nov. 7	9.38
26	9.44	19	9.34	Nov. 1	8.95	14	9.35
Dec. 3	9.44	26	9.35	7	8.94	21	9.40
9	9.68	Nov. 2	9.30	15	8.98	27	9.31
16	9.70	9	9.27	21	8.94	Dec. 5	9.43
22	9.69	16	9.27	29	8.91	11	9.35
29	9.44	22	9.25	Dec. 12	8.80	19	9.28
		30	9.22	19	9.00	26	9.32







wells in Hawaii, 1971-74.

211749157485401. Local number 3-1748-01. Formerly 2. B. P. Bishop Estate. Kalei Rd., Honolulu. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 8 in (20 cm), depth unknown, cased to 86 ft (26 m). MP top of casing, 49.18 ft (14.99 m) above msl. Highest water level 31.55 ft (9.62 m) above msl, Jan. 28, 1940; lowest 19.66 ft (5.99 m) above msl, Sept. 14, 1944. Records available: 1916, 1919, 1923, 1926, 1929-74. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	24.22	25.10	25.55	26.09	25.50	25.04	24.11	22.40	22.10	23.77	24.23	24.89
10	24.37	25.16	25.64	26.09	25.48	24.81	24.10	22.20	22.56	23.71	24.40	24.94
15	24.54	25.30	25.64	e25.8	25.39	24.73	23.88	22.14	22.93	23.75	24.51	25.08
20	24.64	25.35	25.78	25.52	25.09	24.84	23.58	21.93	23.05	23.83	24.53	25.18
25	24.68	25.49	25.85	25.36	25.10	24.50	23.14	21.94	23.33	23.92	24.68	25.21
Eom	24.90	25.48	25.95	25.46	25.08	24.25	22.64	21.70	23.54	24.01	24.76	25.31

1972

5	25.40	25.77	25.91	25.90	25.54	24.26	23.05	22.19	22.69	23.11	23.39	23.87
10	25.47	25.75	25.82	25.79	25.41	23.79	22.99	22.19	22.66	23.23	23.49	23.92
15	25.49	25.65	25.81	25.79	25.43	23.82	23.08	22.08	22.72	22.96	23.61	23.92
20	25.45	25.64	25.98	25.74	25.16	23.73	22.84	22.40	22.85	22.96	23.68	23.98
25	25.63	25.87	25.98	25.68	e25.0	23.51	22.65	22.16	22.84	23.06	23.70	24.00
Eom	25.73	25.83	25.89	25.71	24.59	23.22	22.55	22.32	22.89	23.30	23.82	23.94

1973

5	23.94	23.85	24.39	24.79	24.89	24.90	24.22	23.32	21.89	21.56	22.79	e23.7
10	24.03	23.86	24.49	24.77	24.92	24.89	24.32	22.71	21.75	21.76	22.88	23.79
15	23.96	23.89	24.57	24.80	24.95	24.85	24.32	22.28	21.45	22.07	23.07	23.92
20	23.92	24.08	24.60	24.85	24.84	24.75	24.17	22.16	21.20	22.31	23.15	24.00
25	23.87	24.20	24.67	24.82	24.88	24.50	24.04	21.82	21.15	22.56	23.30	24.09
Eom	23.87	24.29	24.73	24.89	24.93	24.03	23.53	21.66	21.42	22.62	23.55	24.27

1974

5	24.34	24.94	24.81	24.93	e25.2	25.08	24.92	25.11	24.17	24.83	25.45	26.16
10	24.47	24.88	24.87	24.96	e25.2	25.08	24.87	24.88	24.28	24.89	25.59	26.27
15	24.60	24.84	24.93	e25.0	25.16	25.01	24.85	24.73	24.32	25.02	25.68	26.31
20	24.66	24.88	25.01	25.10	25.21	24.89	25.05	24.46	24.57	25.11	25.79	26.38
25	24.75	e24.8	25.03	25.21	25.06	24.81	e25.2	24.36	24.62	25.22	26.03	26.40
Eom	24.83	e24.8	24.98	25.16	25.11	24.94	25.10	24.04	24.65	25.35	26.09	26.41

e Estimated.

211718157490801. Local number 3-1749-07. Formerly 25E. State of Hawaii. Kaimuki High School ground, Kaimuki Ave., Honolulu. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, 3/4-in (1.9-cm) sampling tube, depth 378 ft (115 m) (tube E). MP top of iron cover, 0.50 ft (0.15 m) above ground, 14.85 ft (4.53 m) above msl. Highest water level 29.9 ft (9.1 m) above msl, Nov. 20, 1939; lowest 18.97 ft (5.78 m) above msl, Sept. 12, 1926. Records available: 1911, 1916, 1923-24, 1926, 1928-32, 1934-51, 1955-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1971	24.6	Mar. 22, 1972	25.9	May 8, 1973	24.52	Mar. 8, 1974	24.50
Feb. 22	25.3	Apr. 11	25.6	June 4	24.52	21	24.73
Mar. 25	25.5	May 17	25.2	11	24.57	Apr. 24	24.84
Apr. 14	25.6	June 15	23.6	July 9	23.96	May 28	24.70
May 13	25.1	July 24	22.2	Aug. 7	22.81	June 18	24.51
June 4	24.7	Aug. 15	23.9	Sept. 5	21.69	26	24.58
July 21	23.0	Sept. 19	22.7	10	21.34	July 16	24.65
Aug. 24	21.7	Oct. 26	22.8	Oct. 16	21.84	Aug. 9	24.70
Sept. 15	22.7	Nov. 22	23.37	31	22.32	22	24.02
Oct. 15	23.5	Dec. 12	23.71	Nov. 14	22.80	Sept. 12	24.08
Nov. 26	24.7	Jan. 16, 1973	23.71	28	23.12	Oct. 16	24.64
Dec. 8	24.9	Feb. 13	23.41	Dec. 11	23.53	Nov. 19	25.05
Jan. 24, 1972	25.1	Mar. 14	24.18	Jan. 15, 1974	24.25	25	25.76
Feb. 16	25.5	Apr. 12	24.38	Feb. 20	24.50	Dec. 16	26.01

211824157510701. Local number 3-1851-02. Formerly 83. Honolulu Board of Water Supply. Beretania and Ward Ave., Honolulu. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 2 1/2 in (6.4 cm), depth 474 ft (144 m), cased to 458 ft (140 m). MP top of recorder platform, 32.20 ft (9.81 m) above msl. Highest water level 33.29 ft (10.15 m) above msl, Mar. 10, 1938; lowest 17.94 ft (5.47 m) above msl, Sept. 28, 1973. Records available: 1923, 1925-49, 1952-54, 1957-74. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	23.94	25.51	25.50	26.09	26.59	25.10	24.41	23.09	22.56	23.39	23.88	24.15
10	24.37	25.62	25.53	26.07	26.46	24.86	24.15	23.05	22.31	23.54	24.06	24.05
15	24.65	25.66	25.66	25.87	25.95	24.59	23.98	22.96	22.18	23.49	24.26	24.09
20	24.89	25.43	25.53	26.33	25.76	24.80	23.72	22.95	22.42	23.51	24.30	24.25
25	25.06	25.61	25.76	26.71	25.59	24.53	23.50	22.94	22.83	23.64	24.39	24.36
Eom	25.34	25.54	25.99	26.70	25.59	24.51	23.19	22.71	23.20	23.95	24.49	24.28

1972

5	24.32	24.69	24.86	24.64	24.17	22.80	21.60	20.47	20.71	20.84	21.52	22.05
10	24.40	24.69	24.82	24.76	24.00	22.52	21.44	20.36	20.82	20.98	21.75	22.06
15	24.22	24.54	24.75	24.72	23.94	22.24	21.31	20.23	20.56	21.10	21.83	22.08
20	24.21	24.62	24.54	24.68	23.65	22.07	21.02	20.37	20.63	20.94	21.73	22.30
25	e24.4	24.74	24.54	24.59	23.47	22.04	21.03	20.10	20.58	20.88	21.86	22.56
Eom	24.58	24.70	24.38	24.51	22.97	21.76	20.90	20.41	20.65	21.29	22.02	22.59

211824157510701--Continued.

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.62	22.70	22.42	21.93	20.70	20.64	19.72	18.61	18.26	17.97	19.39	21.25
10	22.83	22.56	22.27	21.94	20.58	20.43	19.67	18.32	e18.1	18.15	19.52	21.63
15	22.82	22.45	22.04	21.76	20.43	20.20	19.56	18.25	18.12	18.48	e19.7	21.95
20	22.75	22.23	22.13	21.39	20.64	20.10	19.09	18.18	18.06	18.88	20.17	22.03
25	22.72	22.47	22.04	21.22	20.72	19.70	18.96	18.07	18.06	19.01	20.56	22.33
Eom	22.79	22.37	22.12	21.16	20.68	19.43	18.68	18.01	18.12	19.15	20.89	22.53

1974

5	22.68	23.95	24.12	24.51	24.58	23.99	22.60	22.34	21.63	22.54	23.32	23.95
10	23.92	24.14	24.21	24.64	24.44	23.77	22.40	21.95	21.98	22.69	23.67	24.04
15	23.24	24.23	24.40	24.67	24.35	23.48	22.37	21.74	22.16	22.62	23.82	24.13
20	23.33	24.24	e24.6	24.68	24.42	23.09	22.33	21.58	22.30	23.01	23.93	23.95
25	23.49	24.10	24.62	24.85	24.19	22.93	22.35	21.57	22.38	22.92	24.09	24.22
Eom	23.78	24.00	24.52	24.72	24.18	22.94	22.23	21.42	22.40	23.28	24.10	24.07

e Estimated.

211818157510301. Local number 3-1851-28. Formerly 81. R. Sakimoto. Young and Victoria Sts., Honolulu. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 8 in (20 cm), depth 505 ft (154 m), cased to 476 ft (145 m). MP top of "4" on concrete wall, 19.69 ft (6.00 m) above msl. Highest water level 33.04 ft (10.07 m) above msl, Feb. 28, 1938; lowest 18.12 ft (5.52 m) above msl, Sept. 5, 1973. Records available: 1916, 1923-24, 1926, 1929-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1971	25.08	Jan. 24, 1972	24.34	Jan. 16, 1973	22.81	Dec. 11, 1973	21.57
Feb. 22	25.54	Feb. 16	24.53	Feb. 13	22.43	Jan. 15, 1974	23.13
Mar. 25	25.68	Mar. 22	24.40	Mar. 13	22.14	Feb. 20	24.18
Apr. 14	25.89	Apr. 11	24.74	Apr. 12	21.77	Mar. 21	24.52
May 13	26.09	May 16	23.78	May 8	20.58	Apr. 24	24.82
June 4	25.07	June 15	22.21	June 4	20.62	June 18	23.16
July 15	23.94	July 19	21.15	July 9	19.62	July 18	22.41
Aug. 24	22.88	Aug. 15	20.27	Aug. 7	18.55	Sept. 12	22.00
Sept. 15	22.17	Sept. 19	20.62	Sept. 5	18.12	Oct. 9	22.64
Oct. 15	23.47	Oct. 26	20.80	Oct. 16	18.42	Nov. 25	24.05
Nov. 26	24.41	Nov. 22	21.78	Nov. 14	19.74	Dec. 16	24.11
Dec. 8	23.99	Dec. 12	22.02				

212016158063601. Local number 3-2006-01. Formerly 276. Ewa Plantation Co. Gilbert. Drilled battery of four irrigation artesian basal-water wells in basalt of Waianae Volcanic Series, Pliocene(?) and Pleistocene(?) age, diam 12 in (30 cm), average depth 160 ft (49 m). Casing information and MP not available. Highest water level 16.7 ft (5.1 m) above msl, February 1909; lowest 8.87 ft (2.70 m) above msl, Jan. 19, 1968. Records available: 1909-71. Measurement discontinued 1971. Records furnished by Ewa Plantation Co. Jan. 16, 1971, 11.06; Jan. 31, 12.89; Feb. 1, 12.92; Feb. 5, 12.08.

212015157521501. Local number 3-2052-10. Formerly T-69. Honolulu Board of Water Supply. Kapalama Elementary School, Honolulu. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 8 in (20 cm), depth 283 ft (86 m), cased to 233 ft (71 m). MP top of casing, 81.82 ft (24.94 m) above msl. Highest water level 27.45 ft (8.37 m) above msl, Feb. 27, Mar. 7, Mar. 21, 1966; lowest 18.10 ft (5.52 m) above msl, Aug. 25, 1973. Records available: 1959-74. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	23.18	24.30	24.51	24.86	25.11	24.33	23.82	22.28	21.99	22.39	22.66	23.08
10	23.35	24.48	24.57	24.92	25.10	24.18	23.59	22.11	21.89	22.42	22.72	22.98
15	23.49	24.61	24.59	24.82	24.89	24.03	23.47	22.07	21.84	22.44	22.79	23.02
20	23.71	24.51	24.53	24.88	24.74	24.05	23.34	22.01	21.87	22.48	22.84	23.16
25	23.95	24.61	24.54	25.06	24.65	23.83	23.15	22.03	22.07	22.59	22.86	23.25
Eom	24.22	24.60	24.68	25.10	24.58	23.84	22.64	22.01	22.23	22.65	22.93	23.30

1972

5	23.26	23.66	23.82	23.56	23.04	21.93	20.78	19.86	20.14	20.06	20.49	20.96
10	23.33	23.60	23.62	23.57	22.94	21.58	20.72	19.80	20.14	20.19	20.68	20.98
15	23.18	23.56	23.70	23.50	22.91	21.38	20.53	19.67	20.01	20.26	20.72	20.97
20	23.15	23.54	23.67	23.46	22.64	21.30	20.27	19.74	20.04	20.15	20.79	21.12
25	23.46	23.63	23.57	23.38	22.49	21.14	20.17	e19.6	20.00	20.10	20.85	21.34
Eom	23.60	23.65	23.43	23.37	22.08	20.90	20.16	19.81	20.04	20.32	20.84	21.46

1973

5	21.41	21.38	21.43	20.92	20.02	19.92	19.11	18.40	18.27	18.41	19.10	20.40
10	21.53	21.49	21.28	20.84	19.90	19.80	19.18	18.32	18.36	18.42	19.13	20.66
15	21.53	21.44	21.13	20.68	19.85	19.58	19.00	18.28	18.31	18.60	19.39	20.91
20	21.48	21.38	21.13	20.53	19.92	19.49	18.70	18.29	18.36	18.76	19.58	21.00
25	21.40	21.42	21.10	20.42	19.90	19.34	18.61	18.10	18.36	18.93	19.91	21.21
Eom	21.41	21.37	20.98	20.44	19.94	19.13	18.42	18.12	18.46	19.03	20.12	21.43

1974

5	21.63	22.64	22.99	23.20	23.09	22.59	21.60	21.28	20.84	21.63	22.21	22.84
10	21.84	22.80	23.03	23.29	22.95	22.44	21.52	21.08	21.06	21.79	22.40	23.07
15	22.08	22.93	23.07	23.34	22.93	22.18	21.50	20.98	21.13	21.77	22.48	23.03
20	22.29	e23.0	23.19	23.32	22.90	21.94	21.43	20.93	21.23	21.93	22.63	22.95
25	22.43	e23.0	23.20	23.40	22.73	e21.9	21.41	20.91	21.51	21.93	22.91	23.13
Eom	22.59	22.98	23.17	23.27	22.62	e21.8	21.28	20.72	21.53	22.06	22.96	23.13

e Estimated.

212154158015201. Local number 3-2101-03. Formerly 266. Hawaii Meat Co. Honolulu. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 10 in (25 cm), depth 355 ft (108 m), cased to 165 ft (50 m). MP top of horizontal flange, 11.16 ft (3.40 m) above msl (since November 1973). Highest water level 29.16 ft (8.89 m) above msl, April 1918; lowest 11.51 ft (3.51 m) above msl, Aug. 3, Oct. 15, 1973. Records available: 1910-21, 1923-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1971	20.03	Feb. 29, 1972	18.53	Feb. 12, 1973	15.89	Nov. 15, 1973	12.36
Feb. 26	18.02	Mar. 21	17.39	Mar. 12	13.77	29	12.86
Mar. 23	17.29	Apr. 12	16.31	Apr. 11	12.91	Dec. 10	14.02
Apr. 13	17.84	May 18	15.74	May 7	12.33	Jan. 16, 1974	17.78
May 10	17.96	June 14	14.85	June 6	12.41	18	17.91
June 1	18.29	July 18	14.05	12	12.37	Feb. 19	16.97
July 15	17.30	Aug. 16	13.76	July 2	12.51	Mar. 13	18.02
Aug. 25	15.85	Sept. 18	12.36	Aug. 3	11.51	20	18.45
Sept. 20	15.69	Oct. 25	12.82	Sept. 6	11.53	Apr. 18	15.94
Nov. 24	15.52	Nov. 21	13.78	11	11.52	June 27	14.41
Dec. 13	16.56	Dec. 11	14.33	Oct. 15	11.51	Aug. 13	14.30
Jan. 24, 1972	19.57	Jan. 15, 1973	14.91	Nov. 2	11.73	Nov. 21	15.52

212139158034701. Local number 3-2103-02. Formerly T-20. U.S. Navy. Near Ewa. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 6 in (15 cm), depth 137 ft (42 m), cased to 9 ft (3 m). MP top of reducer, 139.52 ft (42.53 m) above msl. Highest water level 19.28 ft (5.88 m) above msl, Jan. 28, 1943; lowest 14.48 ft (4.41 m) above msl, Sept. 6, 1973. Records available: 1942-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1971	16.81	Feb. 29, 1972	16.98	Feb. 12, 1973	15.64	Feb. 19, 1974	16.54
Feb. 26	16.62	Mar. 21	16.76	Mar. 12	15.63	Mar. 20	16.71
Mar. 23	16.16	Apr. 12	16.30	Apr. 11	15.04	Apr. 18	16.72
Apr. 13	16.09	May 18	16.04	May 7	14.88	May 20	15.66
May 10	15.84	June 14	15.69	June 5	14.76	June 20	15.47
June 1	15.83	July 18	15.52	July 2	14.88	July 15	15.28
July 13	15.73	Aug. 16	15.35	Aug. 6	14.62	Aug. 19	15.11
Aug. 25	15.51	Sept. 18	15.57	Sept. 6	14.48	Sept. 18	14.98
Sept. 20	15.49	Oct. 25	15.27	Oct. 15	14.61	Oct. 7	15.03
Nov. 24	15.75	Nov. 21	15.23	Nov. 15	14.57	Nov. 12	15.33
Dec. 13	16.03	Dec. 11	15.21	Dec. 10	15.35	Nov. 9	15.92
Jan. 24, 1972	16.75	Jan. 15, 1973	15.40	Jan. 16, 1974	16.28		

212106157533701. Local number 3-2153-02. Formerly 153. Sam Damon Estate. Moanalua Gardens, Honolulu. Drilled irrigation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 10 in (25 cm), depth 289 ft (88 m), cased to 79 ft (24 m). MP top of flange on 10-in (25-cm) T, 20.49 ft (6.25 m) above msl. Highest water level 31.88 ft (9.72 m) above msl, April 1917; lowest 17.24 ft (5.25 m) above msl, Oct. 17, 1973. Records available: 1910-21, 1923-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1971	21.31	Dec. 8, 1971	20.61	Oct. 26, 1972	18.39	July 10, 1973	17.84
Feb. 22	21.74	Jan. 25, 1972	21.41	Nov. 22	18.73	Aug. 7	17.50
Mar. 25	21.69	Feb. 17	21.23	Dec. 12	19.07	Sept. 5	17.39
Apr. 14	21.76	Mar. 29	21.39	Jan. 17, 1973	19.48	Oct. 17	17.24
May 13	21.81	Apr. 18	21.22	Feb. 15	19.22	Nov. 14	17.61
June 4	21.51	May 16	20.69	Mar. 13	19.19	Dec. 11	18.60
July 21	20.99	June 15	19.91	Apr. 12	18.34	Jan. 15, 1974	19.85
Aug. 24	20.51	July 19	19.13	May 9	18.21	Feb. 20	20.55
Sept. 22	20.29	Aug. 15	18.62	June 5	18.16	Mar. 21	20.86
Nov. 24	20.23	Sept. 19	18.46				

212127157532001. Local number 3-2153-09. Formerly T-24. Honolulu Board of Water Supply. Manaiki Gulch. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 12 in (30 cm), depth 115 ft (35 m), cased to 66 ft (20 m). MP top of casing, 61.05 ft (18.61 m) above msl. Highest water level 26.50 ft (8.08 m) above msl, Feb. 11, 1957; lowest 17.10 ft (5.21 m) above msl, Oct. 6, 1973. Records available: 1945-74. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.74	21.80	21.79	21.82	21.92	21.51	21.45	20.86	20.50	20.25	20.24	20.49
10	20.84	21.90	21.74	21.83	21.90	21.40	21.35	20.75	20.65	20.16	20.25	20.45
15	20.92	21.98	21.72	21.86	21.80	21.36	21.26	20.69	20.56	20.14	20.26	20.58
20	21.16	21.86	21.68	21.91	21.71	21.54	21.15	20.50	20.45	20.11	20.21	20.82
25	21.35	21.92	21.71	22.03	21.71	21.33	21.01	20.50	20.32	20.13	20.23	20.98
Eom	21.62	21.87	21.79	21.94	21.64	21.39	20.90	20.45	20.28	20.18	20.40	21.20

1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	21.29	21.57	21.59	21.38	21.01	20.29	19.52	18.78	18.68	18.52	18.69	18.94
10	21.29	21.40	21.46	21.29	20.94	20.08	19.50	18.70	18.62	18.57	18.78	18.96
15	21.15	21.31	21.50	21.14	20.76	20.00	19.26	18.66	18.57	18.60	18.80	18.90
20	21.23	21.28	21.43	21.22	20.56	19.91	19.12	18.62	18.51	18.48	18.75	19.11
25	21.39	21.41	21.36	21.30	20.39	19.81	18.97	18.53	18.49	18.43	18.78	19.27
Eom	21.54	21.53	21.34	21.27	20.27	19.58	18.97	18.56	18.43	18.57	18.82	19.47

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.52	19.14	19.15	18.53	18.14	18.14	17.80	17.46	17.31	17.12	17.47	18.45
10	19.56	19.25	19.06	18.43	18.06	18.04	17.82	17.42	17.35	17.15	17.46	18.59
15	19.50	19.23	19.04	e18.3	18.12	17.92	17.79	17.38	17.31	17.20	17.60	18.65
20	19.41	19.12	19.01	18.26	18.11	17.87	17.66	17.39	17.26	17.26	17.76	18.71
25	19.26	19.19	18.90	18.24	18.14	17.78	17.58	17.32	17.24	17.35	18.02	18.87
Eom	19.21	19.18	18.66	18.26	18.14	17.73	17.48	17.29	17.23	17.43	18.21	19.14

212127157532001--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.37	20.34	20.48	20.76	20.61	20.28	19.97	19.58	19.29	19.72	19.81	20.57
10	19.58	20.40	20.50	20.81	20.51	20.27	19.95	19.49	19.24	19.61	19.86	20.57
15	19.82	20.43	20.61	20.76	20.42	20.19	19.81	19.52	19.18	19.56	19.89	20.51
20	19.96	20.50	20.74	20.77	20.36	20.06	19.86	19.50	19.31	19.66	20.14	e20.5
25	20.08	20.53	20.82	20.89	20.28	20.01	19.79	19.34	19.47	19.53	20.41	20.64
Eom	20.22	20.50	20.85	20.75	20.28	20.03	19.65	19.19	19.60	19.66	20.56	20.69

e Estimated

212250158015801. Local number 3-2201-10. Formerly T-41. Honolulu Board of Water Supply. Near Waipahu. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 12 in (30 cm), depth 113 ft (34 m), cased to 92 ft (28 m). MP top of casing, 83.88 ft (25.57 m) above msl. Highest water level 26.55 ft (8.09 m) above msl, Feb. 2, 1957; lowest 11.55 ft (3.52 m) above msl, Oct. 13, 1973. Records available: 1949-74. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	17.66	21.40	18.12	18.05	e18.3	18.30	19.54	17.17	17.72	16.10	16.17	17.89
10	18.75	20.55	17.89	19.14	18.60	17.88	18.37	17.11	16.63	16.01	16.18	16.41
15	19.53	20.30	17.77	18.18	18.48	17.87	17.89	16.84	16.28	16.02	16.03	16.48
20	20.24	19.52	17.93	18.27	18.40	18.30	17.77	16.51	16.27	15.90	16.29	17.25
25	20.70	e18.7	17.88	18.69	18.67	18.13	17.70	16.41	16.25	15.85	17.15	18.41
Eom	e20.9	e18.9	17.89	e18.4	19.22	18.00	17.37	16.24	16.26	16.05	17.43	19.34

1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.39	19.34	19.45	18.02	16.74	15.70	15.33	14.14	14.70	13.75	14.82	14.57
10	19.18	18.15	18.12	16.94	16.77	15.62	14.74	14.01	14.17	13.70	14.17	15.11
15	18.98	18.03	18.07	17.65	16.61	15.33	14.61	14.40	13.90	14.27	14.21	14.30
20	18.94	18.77	18.28	19.26	16.13	15.23	14.43	14.03	13.72	13.55	14.77	14.92
25	20.07	19.61	17.84	17.91	16.11	15.82	14.49	13.91	13.66	13.37	15.63	16.11
Eom	20.17	19.01	18.19	17.25	16.06	14.86	14.49	13.81	13.62	13.47	14.41	16.99

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	15.94	15.56	16.23	13.52	12.78	12.92	e13.2	11.97	11.90	11.63	12.32	13.94
10	15.39	16.02	14.43	13.38	13.00	12.87	e14.0	11.90	11.90	11.63	12.08	14.62
15	15.53	16.42	14.07	13.24	13.32	12.76	12.57	11.86	11.84	11.91	e12.5	15.07
20	15.17	16.42	13.86	13.48	13.05	12.76	12.42	12.11	11.85	11.83	13.01	13.75
25	14.73	e16.5	13.85	13.22	12.92	12.73	12.22	11.84	11.63	11.92	14.88	15.66
Eom	14.84	e16.5	13.58	12.99	13.16	13.35	12.05	11.70	11.84	12.25	13.28	16.61

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	17.15	18.02	16.34	18.19	15.19	14.85	15.58	15.03	15.17	16.12	16.06	17.64
10	17.60	18.09	17.34	17.36	14.81	15.07	15.23	14.80	14.93	15.62	16.17	17.05
15	17.99	16.96	18.45	17.37	14.69	15.44	14.95	14.88	15.03	15.56	15.67	17.66
20	18.23	17.41	18.73	17.60	14.71	15.15	14.90	14.94	15.12	15.78	16.01	17.51
25	17.65	17.57	18.89	16.26	14.74	14.91	e14.9	14.73	15.53	15.47	17.51	18.38
Eom	17.44	16.32	18.92	15.67	14.80	15.04	e14.9	14.90	15.42	16.00	18.68	18.76

e Estimated.

212233157552301. Local number 3-2255-33. Formerly T-45. Honolulu Board of Water Supply. Near North Halawa Valley. Drilled observation basal water-table well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 12 in (30 cm), depth 85 ft (26 m), cased to 59 ft (18 m). MP top of casing, 58.01 ft (17.68 m) above msl. Highest water level 24.08 ft (7.34 m) above msl, Feb. 12, 1957; lowest 13.98 ft (4.26 m) above msl, Oct. 5, 1973. Records available: 1954-74. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	17.99	19.55	19.26	19.28	19.38	19.02	18.94	18.32	18.00	17.77	17.74	17.96
10	18.19	19.66	19.18	19.27	19.35	18.93	18.99	18.32	18.05	17.57	17.76	17.83
15	18.44	19.72	19.12	19.22	e19.2	18.98	18.79	18.15	17.97	17.52	17.73	17.90
20	18.78	19.46	19.08	19.33	e19.2	18.95	18.67	18.01	18.03	17.59	17.71	18.10
25	19.07	19.41	19.10	19.41	19.16	18.82	18.58	17.97	17.88	17.67	17.78	18.20
Eom	19.36	19.40	19.19	19.38	19.24	18.87	18.40	17.90	17.75	17.78	18.01	18.48

1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.64	18.91	18.92	18.54	18.12	17.54	16.68	16.12	15.98	15.81	15.71	16.02
10	18.65	18.73	18.71	18.44	18.06	17.42	16.60	15.96	15.94	15.76	15.77	15.99
15	18.59	18.61	18.66	18.25	17.94	17.24	16.45	15.90	15.82	15.76	15.88	15.92
20	18.57	18.57	18.59	18.45	17.69	17.08	16.35	15.97	15.83	15.55	15.93	16.10
25	18.85	18.73	18.50	18.47	17.56	16.98	16.27	15.76	15.80	15.55	15.94	16.31
Eom	18.94	18.82	18.43	18.40	17.61	16.80	16.25	15.73	15.70	15.59	15.94	16.53

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.63	16.16	16.39	15.42	15.18	15.09	15.04	14.60	14.20	13.98	14.48	15.32
10	16.58	16.29	16.09	15.33	15.07	15.03	15.05	14.35	14.23	14.00	14.37	15.46
15	16.56	16.34	15.85	15.27	15.15	14.88	14.91	14.29	14.17	14.17	14.55	15.57
20	16.36	16.34	15.76	15.21	15.22	14.84	14.70	14.45	14.10	14.26	14.69	15.55
25	16.21	16.46	15.68	15.15	15.10	14.82	14.67	14.24	14.07	14.35	14.99	15.81
Eom	16.17	16.31	15.51	15.26	15.12	14.83	14.47	14.17	14.20	14.43	15.04	16.13

212233157552301--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.45	17.45	17.36	17.87	17.52	17.16	17.10	16.90	16.77	17.09	17.39	18.14
10	16.75	17.53	17.47	17.78	17.30	17.23	17.08	16.84	16.81	17.09	17.44	18.10
15	16.97	17.45	17.52	17.81	17.20	17.04	17.03	16.79	16.78	17.08	17.42	17.99
20	17.07	17.49	17.79	17.88	17.21	16.98	16.91	16.68	16.78	17.25	17.47	18.07
25	17.19	17.56	17.93	17.83	17.14	16.94	16.89	16.76	16.97	17.15	17.78	18.21
Eom	17.29	17.46	17.87	17.64	17.16	17.09	16.84	16.63	17.04	17.21	17.99	18.29

e Estimated.

212238157561101. Local number 3-2256-10. Formerly 187B. U.S. Navy. Aiea. Drilled industrial artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 12 in (30 cm), depth 173 ft (53 m), cased to 143 ft (44 m). MP top of flange on 12-in (30-cm) T, 8.76 ft (2.67 m) above msl. Highest water level 25.90 ft (7.89 m) above msl, Jan. 16, 1928; lowest 14.02 ft (4.27 m) above msl, Oct. 11, 1973. Records available: 1928-31, 1934-74.

Mean water level for the day, above msl, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	18.97	19.30	19.10	.....	.....	18.92	18.29	17.82	17.73	17.68	.....
10	18.09	19.61	19.07	19.08	.....	.....	18.95	18.30	18.08	17.52	17.70	.....
15	18.37	19.66	19.04	19.15	.....	.....	18.75	18.13	18.05	17.49	17.67	.....
20	18.71	19.35	18.98	19.21	.....	.....	18.64	18.09	17.96	17.47	17.65	.....
25	18.98	19.34	18.98	19.27	.....	.....	18.61	18.06	17.82	17.45	17.64	.....
Eom	18.97	19.33	19.53	19.27	.....	.....	18.36	17.84	17.69	17.43	17.96	.....

1972

5	.....	18.83	18.82	.....	18.14	17.62	16.80	16.22	16.10	15.82	.....	.....
10	18.59	18.62	18.57	.....	18.11	17.49	16.69	16.07	16.05	15.99	.....	.....
15	18.53	18.52	18.70	.....	18.02	17.33	.....	16.03	.....	15.79	.....	.....
20	18.51	18.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	18.76	18.64	.....	.....	.....	.....	.....	15.86	.....	.....	.....	.....
Eom	18.87	18.74	.....	.....	.....	16.89	.....	.....	15.77	.....	.....	.....

1973

5	16.71	16.28	16.25	15.48	15.25	15.12	15.09	15.09	14.66	14.27	14.08	14.57	15.41
10	16.65	16.35	15.94	15.38	15.12	15.09	15.11	14.39	14.30	14.30	14.10	14.48	15.54
15	16.60	16.29	15.72	15.33	15.19	14.93	14.95	14.33	14.24	14.27	14.63	15.67	.....
20	.....	16.30	15.64	15.30	15.25	14.89	14.74	14.51	14.20	14.34	14.77	15.63	.....
25	.....	16.19	15.54	15.20	15.13	14.88	14.71	14.31	14.16	14.44	15.13	15.90	.....
Eom	16.26	16.35	15.55	15.32	15.14	14.91	14.52	14.25	14.30	14.53	15.13	16.23	.....

1974

5	16.55	17.52	.....	17.93	17.52	17.19	17.12	16.98	16.88	17.18	17.49	18.22	.....
10	16.82	17.60	.....	17.83	17.34	17.25	17.11	16.93	16.90	17.19	17.54	18.16	.....
15	17.04	.....	17.58	17.85	17.26	17.08	17.06	16.87	16.90	17.18	17.50	18.06	.....
20	17.15	.....	17.85	17.90	17.26	17.03	16.97	16.77	16.88	17.34	17.55	18.15	.....
25	17.25	.....	17.98	17.83	17.20	17.01	16.98	16.88	17.07	17.24	17.87	18.31	.....
Eom	17.36	.....	17.94	17.65	17.19	17.12	16.93	16.74	17.13	17.32	18.10	18.38	.....

212317158003201. Local number 3-2300-10. Formerly 244. B. P. Bishop Estate. Waipahu. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 3/4-in (1.9-cm), depth 224 ft (68 m), cased to 214 ft (65 m). MP top of hollow tile, 17.22 ft (5.25 m) above msl. Highest water level 30.02 ft (9.15 m) above msl, February 1916; lowest 14.27 ft (4.35 m) above msl, Oct. 15, 1973. Records available: 1910-21, 1923-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1971	20.75	Feb. 29, 1972	19.36	Feb. 12, 1973	18.17	Feb. 19, 1974	19.29
Feb. 26	19.31	Mar. 21	18.47	Mar. 12	16.72	Mar. 20	19.85
Mar. 23	18.87	Apr. 12	17.75	Apr. 11	15.68	Apr. 18	18.83
Apr. 13	19.43	May 18	18.22	May 7	15.32	May 20	17.18
May 10	19.47	June 14	17.56	June 6	15.22	June 20	17.33
June 1	19.55	July 18	16.80	July 2	15.27	July 22	17.15
July 15	19.05	Aug. 16	16.51	Aug. 6	14.54	Aug. 19	17.25
Aug. 25	17.77	Sept. 18	16.22	Sept. 6	14.36	Sept. 19	17.36
Sept. 20	17.58	Oct. 25	15.76	Oct. 15	14.27	Oct. 7	18.04
Nov. 24	17.30	Nov. 21	16.43	Nov. 15	15.04	Nov. 27	19.05
Dec. 13	17.92	Dec. 11	16.68	Dec. 10	16.34	Dec. 9	19.31
Jan. 24, 1972	20.18	Jan. 15, 1973	17.18	Jan. 16, 1974	19.47		

212332157582201. Local number 3-2358-02. Formerly 201. U.S. Navy. Pearl City. Drilled irrigation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 12 in (30 cm), depth 336 ft (102 m), cased to 58 ft (18 m). MP top of upper flange on valve, 13.17 ft (4.01 m) above msl. Highest water level 31.21 ft (9.51 m) above msl, February 1916; lowest 11.35 ft (3.46 m) above msl, Oct. 15, 1973. Records available: 1910-21, 1923, 1926, 1929-74.

21232157582201--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1971	16.25	Dec. 13, 1971	14.70	Sept. 19, 1972	12.84	June 6, 1973	11.93
Feb. 25	16.12	Jan. 25, 1972	15.72	Oct. 25	12.48	July 10	12.37
Mar. 29	15.77	Feb. 29	15.42	Nov. 21	12.76	Aug. 7	11.52
Apr. 13	16.01	Mar. 29	14.79	Dec. 11	12.97	Sept. 6	11.45
May 10	16.06	Apr. 19	15.02	Jan. 15, 1973	13.30	Oct. 15	11.35
June 3	15.96	May 18	14.11	Feb. 15	13.45	Nov. 15	11.61
July 15	15.74	June 15	13.78	Mar. 12	12.95	Dec. 12	12.39
Aug. 25	14.87	July 19	13.28	Apr. 12	12.33	Aug. 12, 1974	13.47
Sept. 22	14.65	Aug. 16	12.97	May 10	12.07	Nov. 20	13.43
Nov. 24	14.49						

212353157583101. Local number 3-2358-20. Formerly T-27. Honolulu Board of Water Supply. Pearl City. Drilled observation basal water-table well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 12 in (30 cm), depth 71 ft (22 m), cased to 60 ft (18 m). MP top of casing, 40.53 ft (12.35 m) above msl. Highest water level 22.42 ft (6.83 m) above msl, Mar. 29, 1955; lowest 11.81 ft (3.60 m) above msl, Oct. 11, 1973. Records available: 1946-74. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.18	18.10	17.28	17.25	17.49	17.34	17.55	e16.7	16.35	15.95	15.92	16.19
10	16.37	18.16	17.20	17.43	17.56	17.22	17.38	16.64	16.28	15.84	15.91	15.93
15	16.80	18.10	17.08	17.30	17.43	17.27	17.22	16.53	16.16	15.77	15.83	15.93
20	17.20	17.61	17.20	17.40	17.43	17.33	17.08	16.38	16.09	15.80	15.77	16.15
25	17.54	17.55	17.17	17.56	17.48	17.25	16.97	e16.2	16.02	15.82	15.92	16.27
Eom	17.85	17.46	17.18	17.53	17.56	17.25	e16.7	16.13	15.98	15.87	16.22	16.64

1972

5	16.79	17.01	16.80	16.33	15.81	15.26	14.65	13.93	13.96	13.58	13.57	13.83
10	16.78	16.75	16.57	16.04	15.70	15.13	e14.4	13.84	13.85	13.57	13.67	13.84
15	16.74	16.70	16.51	16.07	15.61	15.01	14.22	13.93	13.74	13.63	13.72	13.77
20	16.79	16.61	16.42	16.49	15.42	14.78	14.10	13.87	13.67	13.51	13.82	13.96
25	17.07	16.82	16.27	16.28	15.43	14.80	14.01	13.75	13.58	13.40	13.92	14.18
Eom	17.21	16.86	16.19	16.03	15.38	14.61	14.05	13.73	13.57	13.44	13.80	14.49

1973

5	14.49	14.10	14.57	13.32	12.98	12.78	12.80	12.32	12.05	11.87	12.32	13.19
10	14.37	14.36	14.00	13.21	12.89	12.74	13.06	12.20	12.04	11.86	12.28	13.39
15	14.23	14.49	13.73	13.14	12.95	12.68	12.73	12.12	12.01	12.01	12.35	13.46
20	14.11	14.53	13.65	13.10	12.89	12.62	12.52	12.21	e12.0	12.06	12.53	13.36
25	14.02	14.59	13.60	13.04	12.82	12.61	12.39	12.07	11.89	12.16	13.04	13.64
Eom	13.98	14.59	13.40	13.05	12.88	12.79	e12.3	12.00	12.00	12.33	12.94	14.10

1974

5	14.43	15.55	15.30	15.92	15.02	14.73	14.76	14.66	14.74	15.05	15.23	15.96
10	14.73	15.53	.....	15.79	14.86	14.76	14.77	14.59	14.66	15.07	15.25	15.78
15	15.01	15.44	.....	15.71	14.78	14.77	14.74	14.60	14.61	15.02	15.18	15.62
20	15.20	15.55	.....	15.75	14.72	14.71	14.75	14.55	e14.6	15.03	15.19	15.84
25	15.25	15.58	.....	15.61	14.74	14.70	14.74	14.49	e14.7	14.88	15.60	16.08
Eom	15.35	15.33	15.99	15.27	14.74	14.71	14.68	14.38	14.89	15.14	15.92	16.18

e Estimated.

212416157554301. Local number 3-2455-01. Formerly 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(?) and Pleistocene age, diam 16 in (41 cm), depth 321 ft (98 m), cased to 180 ft (55 m), perforated 170-180 ft (52-55 m). MP top of casing, 169.13 ft (51.55 m) above msl. Highest water level 24.64 ft (7.51 m) above msl, Feb. 12, 1957; lowest 13.87 ft (4.23 m) above msl, Oct. 11, 1973. Records available: 1956-74. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.15	19.89	19.83	19.69	19.92	19.73	19.59	19.10	18.47	18.21	.....	.....
10	18.28	20.09	19.73	19.71	19.90	19.58	19.64	19.04	18.58	18.08	.....	.....
15	18.58	20.15	19.63	19.75	19.80	19.59	19.56	18.87	18.50	18.00	.....	.....
20	18.96	19.99	19.58	19.77	19.80	19.57	19.46	18.74	18.42	18.01	.....	.....
25	19.28	19.97	19.60	19.85	19.80	19.54	19.35	18.62	18.34	18.00	.....	.....
Eom	19.63	19.92	19.67	19.91	19.80	19.57	19.17	18.49	18.25	.....	.....	.....

1972

5	.....	.....	.....	18.30	17.94	17.36	16.71	16.00	15.81	15.52	15.40	e15.7
10	.....	.....	18.61	18.18	17.77	17.30	16.55	15.87	15.75	15.49	e15.5	15.64
15	.....	.....	18.52	18.01	17.65	17.20	16.37	15.86	e15.6	15.47	e15.5	.....
20	.....	.....	18.40	18.23	17.48	17.01	16.29	15.81	e15.6	15.43	e15.5	.....
25	.....	.....	18.36	18.25	17.44	16.84	16.21	15.73	e15.5	15.40	e15.6	.....
Eom	.....	.....	18.22	18.14	17.48	16.77	16.11	15.67	e15.5	15.37	e15.6	.....

212416157554301--Continued.

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	15.14	14.84	e14.7	14.32	14.07	13.88	14.25	14.97
10	.....	.....	.....	.....	15.00	14.77	e14.8	14.21	14.05	13.88	14.23	15.10
15	.....	.....	.....	.....	15.22	15.00	14.71	14.15	14.04	13.95	14.28	15.20
20	.....	.....	.....	.....	15.15	14.97	14.66	14.56	14.19	13.99	14.01	14.37
25	.....	.....	.....	.....	15.13	14.97	14.62	14.49	14.07	13.96	14.12	14.65
Eom	.....	.....	.....	.....	15.11	14.92	14.66	14.35	14.05	13.98	14.21	15.68

1974

5	16.00	17.22	17.28	17.85	17.49	17.14	17.15	17.06	16.92	17.15	17.37	e18.1
10	16.31	17.28	17.25	17.82	17.33	17.17	17.21	17.01	16.93	17.24	17.42	e18.1
15	16.59	17.30	17.39	17.77	17.23	17.13	17.17	16.99	16.87	17.28	17.45	17.91
20	16.77	17.37	17.64	17.74	17.20	17.08	17.16	16.95	16.90	e17.2	17.45	e18.0
25	16.92	17.40	17.75	17.83	17.12	17.07	17.12	16.91	e17.0	17.21	e17.7	e18.1
Eom	17.09	17.32	17.83	17.67	17.13	17.13	17.08	16.77	e17.0	17.25	e17.9	e18.3

e Estimated.

212927158014807. Local number 3-2901-07. Formerly Shaft 4. U. S. Army. Near Wahiawa. Dug domestic high-level water-table well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, size 8 x 8 ft (2 x 2 m), vertical depth of 30-degree inclined shaft 563 ft (172 m), lined with concrete in upper part, pump chamber at bottom of shaft. MP top of pump-chamber floor at recorder, 287.00 ft (87.48 m) above msl. Highest water level 284.40 ft (86.69 m) above msl, May 12, 1969; lowest 273.17 ft (83.26 m) above msl, Mar. 11, 1946. Records available: 1936-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1971	277.02	Dec. 6, 1971	279.18	Nov. 3, 1972	278.40	Jan. 13, 1974	273.82
13	277.04	Jan. 2, 1972	279.37	Dec. 2	277.93	Feb. 4	273.74
Feb. 2	277.18	7	279.24	Jan. 1, 1973	277.54	11	273.70
5	277.39	Feb. 1	279.12	Feb. 1	277.00	Mar. 31	274.06
Mar. 26	277.86	8	278.94	Mar. 1	276.60	May 3	274.78
28	277.84	16	279.92	2	276.48	June 4	275.88
Apr. 30	278.76	Apr. 1	279.00	Apr. 3	276.08	10	276.10
May 3	278.60	May 1	279.04	May 1	276.08	July 4	277.10
13	279.00	June 1	279.14	20	275.38	7	277.85
July 3	280.20	17	279.17	June 1	275.34	16	277.70
Aug. 23	280.14	July 1	279.16	Aug. 7	274.96	Aug. 15	278.68
3	280.38	15	279.14	Sept. 2	274.74	20	278.64
Sept. 13	279.90	Sept. 1	278.88	Oct. 2	274.45	Sept. 3	278.92
Oct. 1	280.38	Oct. 1	278.66	22	274.38	Oct. 1	279.18
Nov. 1	280.10	7	278.62	Dec. 2,	274.10	Nov. 1	279.22
25	279.84	Nov. 1	278.38	Jan. 4, 1974	273.84	Dec. 1	279.24
Dec. 1	279.71						

213243157510001. Local number 3-3251-01. Formerly 406. Mrs. F. M. Swanzy. Kaaawa. Drilled irrigation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 9 in (23 cm), depth estimated 500 ft (152 m), casing information not available. MP chiseled cross on top of concrete box, 12.67 ft (3.86 m) above msl. Highest water level 19.19 ft (5.85 m) above msl, May 22, 1968; lowest 12.27 ft (3.74 m) above msl, Oct. 28, 1946. Records available: 1929-74.

Jan. 27, 1971	15.20	Nov. 29, 1971	14.74	Sept. 20, 1972	14.35	July 12, 1973	12.78
Feb. 23	15.57	Dec. 14	14.62	Oct. 24	14.08	Aug. 13	12.64
Mar. 24	15.80	Jan. 26, 1972	14.77	Nov. 20	13.97	Sept. 4	12.62
Apr. 15	15.84	Feb. 28	14.87	Dec. 14	13.83	Oct. 18	12.65
May 11	15.98	Mar. 30	14.75	Jan. 22, 1973	13.60	Nov. 19	12.91
June 2	15.83	Apr. 20	14.88	Feb. 14	13.54	Dec. 13	13.01
July 22	15.42	May 24	14.93	Mar. 20	13.46	Jan. 17, 1974	13.21
Aug. 23	15.25	June 20	14.77	Apr. 18	13.37	Feb. 14	13.41
Sept. 16	15.15	July 17	14.62	May 15	13.24	Mar. 19	13.49
Oct. 14	15.01	Aug. 14	14.49	June 7	12.96		

213327157524401. Local number 3-3352-01. Formerly 405. M. E. Foster Estate. Kahana. Drilled domestic artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 10 in (25 cm), depth 441 ft (134 m), cased to 177 ft (54 m). MP top of flange on well, 5.76 ft (1.76 m) above msl. Highest water level 21.3 ft (6.5 m) above msl, Mar. 29, 1966; lowest 13.36 ft (4.07 m) above msl, Sept. 7, 1973. Records available: 1935-74.

Jan. 27, 1971	18.2	Feb. 28, 1972	17.8	Mar. 20, 1973	15.6	Nov. 28, 1973	14.67
Feb. 23	18.9	Mar. 30	17.5	Apr. 18	15.4	Dec. 13	15.5
Mar. 24	18.8	Apr. 20	17.6	May 15	15.2	Jan. 15, 1974	15.46
Apr. 15	18.8	May 24	17.6	June 7	14.8	17	15.7
May 11	19.2	June 20	17.5	18	13.69	Feb. 14	16.3
June 2	18.7	July 17	17.1	July 12	14.6	22	15.48
July 22	18.2	Aug. 14	16.8	24	13.71	Mar. 19	16.2
Aug. 23	17.7	Sept. 20	16.8	Aug. 13	14.6	Apr. 16	15.97
Sept. 16	17.5	Oct. 24	16.2	Sept. 4	14.5	May 24	16.41
Oct. 14	17.2	Nov. 20	16.0	7	13.36	Aug. 13	16.51
Nov. 29	17.1	Dec. 14	15.8	Oct. 12	14.28	Sept. 19	15.86
Dec. 14	17.0	Jan. 22, 1973	15.6	18	14.9	Nov. 15	15.46
Jan. 26, 1972	17.4	Feb. 14	15.7	Nov. 19	15.3	Dec. 23	16.06



213455158065301. Local number 3-3406-01. Formerly 326. Waialua Sugar Co., Ltd. Waialua. Drilled irrigation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 6 in (15 cm), depth 201 ft (61 m), cased to 114 ft (35 m). MP top of blind flange on well, 4.69 ft (1.43 m) above msl. Highest water level 13.35 ft (4.07 m) above msl, December 1914; lowest 9.19 ft (2.80 m) above msl, Apr. 24, 1946. Records available: 1911-21, 1924-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1971	12.31	Jan. 26, 1972	12.11	Nov. 24, 1972	11.61	Nov. 19, 1973	11.26
Feb. 23	11.89	Feb. 28	12.17	Dec. 19	11.76	Dec. 13	11.52
Mar. 29	10.54	Mar. 30	11.46	Jan. 18, 1973	11.42	Jan. 4, 1974	11.50
Apr. 15	11.23	Apr. 20	11.81	Feb. 14	10.89	17	11.67
May 11	11.37	May 22	11.31	Mar. 15	10.87	Feb. 14	11.43
June 8	11.01	June 20	10.81	Apr. 16	10.65	Mar. 19	11.38
July 22	11.24	July 17	11.13	May 15	10.42	Apr. 4	11.46
Aug. 23	11.38	Aug. 14	10.96	June 7	10.27	May 31	10.84
Sept. 16	10.99	Sept. 20	10.97	July 11	10.65	July 10	10.88
Oct. 14	10.87	Oct. 5	10.88	Aug. 9	10.49	Aug. 19	11.42
Nov. 29	11.72	Oct. 24	10.91	Sept. 4	10.74	Sept. 24	11.36
Dec. 14	11.55	Nov. 20	11.61	Oct. 18	10.23	Nov. 6	11.26

213439158060801. Local number 3-3406-04. Formerly T-28. Waialua Sugar Co., Ltd. Helemano Gulch, near Waialua. Drilled observation basal water-table well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 12 in (30 cm), depth 60 ft (18 m), cased to 39 ft (12 m). MP top of casing, 38.83 ft (11.84 m) above msl. Highest water level 12.98 ft (3.96 m) above msl, Mar. 8, 1969; lowest 9.53 ft (2.90 m) above msl, June 12, 1947. Records available: 1947-74. Records furnished by Honolulu Board of Water Supply.

Mean water level for the day, above msl, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e11.9	12.44	11.56	11.73	11.42	11.01	11.70	11.18	11.17	11.06	11.28	11.58
10	11.98	12.33	11.33	11.86	11.63	11.10	11.25	11.29	11.03	11.08	10.99	11.45
15	12.19	12.20	11.32	11.36	11.34	11.22	11.39	11.17	10.93	10.83	11.32	11.54
20	12.41	12.08	11.18	11.47	11.17	11.56	11.28	11.16	11.13	10.87	e11.2	11.97
25	12.16	11.90	11.21	12.02	11.21	11.17	11.53	11.12	10.91	11.22	11.32	12.01
Eom	12.59	11.93	11.36	11.43	11.27	11.20	11.14	11.07	10.86	11.27	11.38	12.04

1972

5	12.05	12.15	12.19	11.23	11.04	11.14	10.89	10.54	11.10	10.60	11.19	10.95
10	11.95	11.99	11.98	11.47	e11.0	10.55	10.75	10.5	e10.8	10.66	11.08	11.57
15	11.54	11.92	11.56	11.38	11.41	10.50	10.54	10.58	10.58	10.82	11.22	11.61
20	11.43	11.84	11.53	e11.7	10.92	10.53	10.58	11.03	10.64	10.45	11.08	11.67
25	12.02	12.03	11.54	11.60	10.78	10.58	10.61	10.61	10.85	10.46	11.25	11.73
Eom	12.01	12.04	11.60	11.64	10.92	10.49	10.68	10.78	10.58	11.05	10.88	e11.7

1973

5	e11.7	11.05	10.83	10.55	10.41	11.35	11.53	11.58	11.47	11.17	11.75	12.25
10	e11.7	11.00	10.80	10.45	11.64	11.57	11.61	11.44	11.64	11.24	11.97	12.27
15	11.61	10.92	10.90	10.71	11.69	11.28	11.96	11.47	11.42	11.28	11.84	12.16
20	11.41	10.99	10.81	10.56	11.52	11.25	11.60	11.60	11.31	11.48	11.98	12.10
25	11.24	10.99	10.88	10.42	11.43	11.55	11.55	11.48	11.29	11.20	12.13	12.16
Eom	11.06	10.82	10.72	10.56	11.32	11.33	11.47	11.39	11.41	11.33	12.13	12.32

1974

5	12.44	11.34	10.71	e11.2	11.41	10.85	11.20	e11.0	11.29	10.82	11.24	11.64
10	11.55	e11.3	11.13	e11.2	11.05	11.12	e11.1	11.12	11.39	10.97	e11.2	11.56
15	11.58	11.35	11.28	11.47	11.02	10.99	e11.1	11.22	11.31	10.89	11.28	11.66
20	11.52	11.23	11.26	11.70	11.21	e11.0	e11.0	11.33	11.03	11.19	e11.6	11.62
25	11.46	11.13	11.41	11.77	11.06	11.13	e10.8	11.35	11.22	11.11	11.79	11.94
Eom	11.40	10.78	11.25	11.76	10.87	11.41	e10.8	11.19	11.18	11.31	e11.6	11.89

e Estimated.

213438158091101. Local number 3-3409-16. Formerly 308. J. F. Mendonca. Mokuleia. Drilled domestic artesian basal-water well in basalt of Waianae Volcanic Series, Pliocene(?) and Pleistocene(?) age, diam 10 to 8 in (25 to 20 cm), depth 518 ft (158 m), cased to 440 ft (134 m). MP top of horizontal flange, 8.52 ft (2.60 m) above msl. Highest water level 21.3 ft (6.5 m) above msl, Jan. 16, 1969; lowest 16.75 ft (5.11 m) above msl, Aug. 6, 1929. Records available: 1924-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1971	20.9	Dec. 28, 1971	20.5	Oct. 13, 1972	19.4	June 7, 1973	19.5
Feb. 23	20.6	Jan. 26, 1972	20.4	24	20.4	July 11	19.7
Mar. 24	20.2	Feb. 28	20.4	Nov. 20	20.4	Aug. 9	19.6
Apr. 15	20.4	Mar. 30	20.1	Dec. 5	19.3	Sept. 4	19.8
May 11	20.4	Apr. 19	20.2	Jan. 13	20.4	Oct. 18	19.7
June 3	20.0	May 22	20.2	Feb. 18, 1973	20.2	Nov. 19	20.2
July 22	19.9	June 20	20.1	Feb. 14	19.7	Dec. 13	20.1
Aug. 23	20.2	July 17	20.2	Mar. 15	19.5	Jan. 17, 1974	20.0
Sept. 16	20.1	Aug. 14	20.4	Apr. 16	19.7	Feb. 14	19.7
Oct. 14	20.2	Sept. 20	20.4	May 15	19.6	Mar. 19	19.8
Nov. 29	20.3						

213446158104901. Local number 3-3410-08. Formerly 286. Waialua Sugar Co., Ltd. Kawaihapai. Drilled observation artesian basal-water well in basalt of Waianae Volcanic Series, Pliocene(?) and Pleistocene(?) age, diam 1 in (2.5 cm), depth 447 ft (136 m), cased to 447 ft (136 m), perforated 410-447 ft (125-136 m). MP top of 12-in (30-cm) stilling well, 20.53 ft (6.26 m) above msl. Highest water level 19.98 ft (6.09 m) above msl, Jan. 5, 1969, Jan. 13, 1970; lowest 16.08 ft (4.90 m) above msl, Aug. 6, 1929. Records available: 1929-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1971	19.56	Feb. 28, 1972	19.11	Jan. 18, 1973	18.92	Oct. 25, 1973	18.30
Feb. 23	19.03	Mar. 30	18.38	Feb. 14	18.71	Nov. 19	18.69
Mar. 24	18.63	Apr. 19	18.85	Mar. 15	18.30	Dec. 13	18.82
Apr. 15	18.61	May 22	18.26	Apr. 16	18.22	Jan. 4, 1974	18.80
May 11	18.60	June 20	18.33	May 15	18.12	17	18.68
June 3	18.63	July 17	18.42	June 7	18.19	Feb. 4	18.72
July 23	18.53	Aug. 14	18.58	18	18.31	Mar. 19	18.60
Aug. 23	18.68	Sept. 20	18.55	July 11	18.57	Apr. 4	18.60
Sept. 16	18.56	Oct. 4	18.49	Aug. 1	18.50	May 31	17.83
Oct. 14	18.43	24	18.50	9	18.44	July 10	17.84
Nov. 29	18.45	Nov. 20	18.71	Sept. 4	18.44	Aug. 19	19.26
Dec. 14	18.45	27	18.79	14	18.18	Sept. 30	18.37
Jan. 26, 1972	18.83	Dec. 13	18.84	Oct. 18	18.17	Nov. 19	18.40

213623157543601. Local number 3-3654-02. Formerly 396. Kahuku Plantation Co. Hauula. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 8 in (20 cm), depth and casing information not available. MP top of blind flange on well 15.52 ft (4.73 m) above msl. Highest water level 24.98 ft (7.61 m) above msl, June 1918; lowest 16.25 ft (4.95 m) above msl, Sept. 4, 1973. Records available: 1911-19, 1921, 1924-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1971	19.54	Jan. 26, 1972	19.04	Jan. 22, 1973	17.23	Jan. 17, 1974	18.02
Feb. 23	19.65	Feb. 28	19.26	Feb. 14	17.56	Feb. 14	18.17
Mar. 24	19.06	Mar. 30	18.62	Mar. 15	17.59	Mar. 19	17.86
Apr. 15	19.44	Apr. 20	18.87	Apr. 18	17.18	Apr. 23	17.80
May 11	19.42	May 24	18.23	May 15	16.76	May 23	17.95
June 2	18.52	June 20	17.83	June 7	16.42	June 13	17.53
July 22	18.06	July 17	17.78	July 12	16.43	July 23	17.53
Aug. 23	17.56	Aug. 14	17.60	Aug. 13	16.32	Aug. 20	17.50
Sept. 16	17.63	Sept. 20	17.48	Sept. 4	16.25	Sept. 17	17.30
Oct. 14	17.61	Oct. 24	17.38	Oct. 18	17.34	Oct. 17	17.11
Nov. 29	18.38	Nov. 20	17.40	Nov. 19	17.38	Nov. 26	17.99
Dec. 14	18.50	Dec. 14	17.29	Dec. 13	17.57	Dec. 12	18.02

214053157570401. Local number 3-4057-05. Formerly 356. Kahuku Plantation Co. Kahuku. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 12 in (30 cm), depth 397 ft (121 m), cased to 172 ft (52 m). MP top of 10-in (25-cm) standpipe, 15.98 ft (4.87 m) above msl. Highest water level 17.12 ft (5.22 m) above msl, January 1916; lowest 8.00 ft (2.44 m) above msl, Oct. 5, 1962. Records available: 1911-18, 1921, 1926-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1971	12.56	Jan. 26, 1972	12.42	Jan. 22, 1973	12.01	Jan. 17, 1974	12.31
Feb. 23	10.94	Feb. 28	12.46	Feb. 14	11.95	Feb. 14	12.22
Mar. 24	11.49	Mar. 30	12.45	Mar. 15	11.83	Mar. 19	11.76
Apr. 15	11.09	Apr. 20	12.41	Apr. 17	11.88	Apr. 23	11.72
May 11	10.90	May 24	12.32	May 15	11.46	May 23	12.09
June 2	11.04	June 20	12.18	June 7	11.30	June 13	12.00
July 22	10.72	July 17	12.00	July 12	11.66	July 23	12.18
Aug. 23	10.84	Aug. 14	12.09	Aug. 13	11.57	Aug. 20	12.28
Sept. 16	11.24	Sept. 20	12.39	Sept. 4	11.42	Sept. 17	12.13
Oct. 14	11.43	Oct. 24	12.24	Oct. 18	11.88	Oct. 17	12.20
Nov. 29	11.93	Nov. 20	12.04	Nov. 19	12.18	Nov. 26	12.44
Dec. 14	12.22	Dec. 13	11.94	Dec. 13	12.00	Dec. 12	12.27

214125158013401. Local number 3-4101-03. Formerly 337. State of Hawaii. Waialeale. Drilled observation artesian basal-water well in basalt of Koolau Volcanic Series, Pliocene(?) and Pleistocene age, diam 8 in (20 cm), depth 61 ft (19 m), cased to 36 ft (11 m). MP top of 4-in (10-cm) pipe, 21.89 ft (6.67 m) above msl. Highest water level 15.60 ft (4.75 m) above msl, Nov. 14, 1932; lowest 11.70 ft (3.57 m) above msl, May 27, 1947. Records available: 1929-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1971	13.71	Mar. 30, 1972	13.79	Mar. 15, 1973	13.17	Nov. 27, 1973	13.03
Feb. 23	13.45	Apr. 20	13.56	30	13.13	Dec. 13	12.95
Mar. 24	13.52	May 24	13.34	Apr. 16	13.16	Jan. 14, 1974	13.03
Apr. 15	13.35	June 20	13.33	May 15	13.11	17	13.02
May 11	13.42	July 17	13.45	June 7	12.94	Feb. 14	12.84
June 2	13.57	Aug. 14	13.50	15	12.28	19	12.83
July 22	13.81	Sept. 20	13.52	July 11	12.99	Mar. 19	12.69
Aug. 23	13.93	Oct. 10	12.38	17	12.88	Apr. 15	12.63
Sept. 16	13.98	24	13.39	Aug. 13	12.87	May 24	12.53
Oct. 14	13.93	Nov. 20	13.47	Sept. 4	12.96	July 9	12.59
Nov. 29	14.05	30	13.42	7	12.89	Sept. 19	12.07
Dec. 14	13.96	Dec. 13	13.33	Oct. 12	12.91	Nov. 15	13.12
Jan. 2, 1972	13.98	Jan. 18, 1973	13.22	18	13.01	Dec. 23	13.17
Feb. 28	13.92	Feb. 14	13.34	Nov. 19	13.08		

## References

- Davis, D. A. and Yamanaga, George, 1973, Water resources summary, island of Hawaii: State of Hawaii Div. Water and Land Devel. Rept. R47, 42 p.
- Hirashima, G. T., 1971, Availability of streamflow for recharge of the basal aquifer in the Pearl Harbor area, Hawaii: U.S. Geol. Survey Water Supply Paper WSP 1999-B, 26 p.
- \_\_\_\_\_, 1971, Tunnels and dikes of the Koolau Range, Oahu, Hawaii, and their effect on storage depletion and movement of ground water: U.S. Geol. Survey Water Supply Paper WSP 1999-M, 21 p.
- Rosenau, J. C., Lubke, E. R., and Nakahara, R. H., 1971, Water resources of North-Central Oahu, Hawaii: U.S. Geol. Survey Water Supply Paper WSP 1899-D, 40 p.
- Swain, Lindsay A., 1973, Chemical quality of ground water in Hawaii: State of Hawaii Div. Water and Land Devel. Rept. R48, 54 p.
- Takasaki, K. J., 1971, Ground water in the Waiānae District, Oahu, Hawaii: U.S. Geol. Survey Hydrol. Inv. Atlas HA-358.
- \_\_\_\_\_, 1974, Hydrologic conditions related to subsurface and surface disposal of wastes in Hawaii: U.S. Geol. Survey open-file rept., Water Resources Inv. 1-74, 5 sheets.

# NEVADA

The observation-well program in Nevada was continued during 1971-74 in cooperation with the Nevada Department of Conservation and Natural Resources. 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 is both an identification and a location number. It is based on an index of hydrographic areas in Nevada (Rush, 1968) and on the rectangular subdivision of the public lands referenced to the Mount Diablo base line and meridian. Each number consists of four segments, separated by spaces, which give: The hydrographic area number; township north or south of the base-line; range east of the meridian; and the section number and tract within the section. Sections are subdivided into quarters designated counterclockwise from the northeast by the letters "A" through "D". Where field locations are sufficiently accurate, sections are subdivided sequentially up to four times, with the letters thus serially indicating tracts of 160, 40, 10, and 2.5 acres. Within the smallest indicated subdivision, consecutive numbers are assigned in the order in which the well data are recorded. For example, wells 108 N13 E26 06CCCC1 and 108 N13 E26 06CCCC2 are the first and second wells recorded in the SW $\frac{1}{4}$  SW $\frac{1}{4}$  SW $\frac{1}{4}$  of Section 6, Township 13 North, Range 26 East, in Mason Valley (hydrographic area 108). Reference is also made to former well numbers, used in previous reports in this series, which were similar in format but did not include the hydrographic area number. Well records are arranged in this report alphabetically by county; within each county, alphabetically by hydrographic area, and within each area by local number.

## Water-Level Measurements

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

### Carson City

#### Eagle Valley

391046119470101. Local number 104 N15 E20 07BCDD1. U.S. Geol. Survey. Drilled observation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 1.5 in (3.8 cm), depth 64 ft (20 m), cased to 64 ft (20 m). Lsd about 4,800 ft (1,463 m) above msl. MP top of casing, 2.60 ft (0.79 m) above lsd. Highest water level 34.35 ft (10.47 m) below lsd, Jan. 3, 1973; lowest 46.68 ft (14.23 m) below lsd, Dec. 30, 1974. Records available: 1972-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 28, 1972	36.86	Sept. 21, 1973	41.07	Mar. 20, 1974	41.54	Aug. 21, 1974	45.80
Jan. 3, 1973	34.35	Oct. 19	41.73	Apr. 19	41.99	Sept. 19	46.27
May 5	34.45	Dec. 3	41.76	May 21	42.94	Oct. 22	46.57
June 29	37.38	20	41.72	June 26	44.19	Nov. 21	45.39
July 20	38.36	Jan. 21, 1974	41.62	July 23	44.94	Dec. 30	46.68
Aug. 21	39.35	Feb. 20	41.89				

391107119455101. Local number 104 N15 E20 08BA1. Formerly 15/20-8b10. M. W. Johnstone. Dug unused water-table well in alluvium of Quaternary age, diam 5 ft (2 m), depth 18 ft (5 m), cribbed with brick. Lsd about 4,720 ft (1,439 m) above msl. MP top of 8-in (20-cm) beam, 1.00 ft (0.30 m) above lsd. Highest water level 0.98 ft (0.30 m) below lsd, Mar. 13, 1952; lowest 12.98 ft (3.96 m) below lsd, Sept. 17, 1964. Records available: 1946, 1948-52, 1964, 1966-74. No measurement made in 1953-63, 1965. This well was last published in 1952, WSP 1226, in Ormsby County, Eagle Valley.

Sept. 17, 1964	12.98	Mar. 7, 1967	5.75	Apr. 7, 1969	3.05	Mar. 14, 1972	9.15
Mar. 2, 1966	5.74	July 11	6.51	Mar. 9, 1970	4.58	May 5, 1973	8.94
Sept. 26	10.97	Mar. 21, 1968	6.48	Apr. 1, 1971	6.53	May 17, 1974	8.96

390950119455001. Local number 104 N15 E20 17C1. Formerly 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 (46 to 30 to 25 cm), depth 595 ft (181 m), cased to 595 ft (181 m). Lsd about 4,650 ft (1,417 m) above msl. MP concrete floor of pumphouse, 0.60 ft (0.18 m) above lsd. Highest water level 1.84 ft (0.56 m) below lsd, Mar. 13, 1952; lowest 23.80 ft (7.25 m) below lsd, Sept. 17, 1964. Records available: 1946, 1948-56, 1959-74. Apr. 1, 1971, 6.32; Mar. 14, 1972, 7.88; May 5, 1973, 8.99; May 24, 1974, 9.11.

Churchill County

## Dixie Valley

393920118084001. Local number 128 N21 E34 27DC1. Formerly 21/34-27dcl. Gregory Homestead. Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 11 in (28 cm), depth 114 ft (35 m), cased. Lsd about 3,500 ft (1,067 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 28.04 ft (8.55 m) below lsd, June 7, 1956; lowest 32.62 ft (9.94 m) below lsd, Aug. 21, 1951. Records available: 1951, 1955-73. No measurement made in 1974. Apr. 14, 1971, 30.08; Mar. 2, 1972, 31.01; Apr. 30, 1973, 31.22.

393840118050001. Local number 128 N21 E35 31D1. Formerly 21/35-31d1. C. B. Stark. Drilled stock, artesian or water-table unknown, well in alluvium of Quaternary age, diam 8 in (20 cm), depth 50 ft (15 m), cased. Lsd about 3,480 ft (1,061 m) above msl. MP top of casing collar, 4.00 ft (1.22 m) above lsd. Highest water level 31.72 ft (9.67 m) below lsd, Sept. 26, 1950; lowest 35.93 ft (10.95 m) below lsd, Mar. 17, 1966. Records available: 1951, 1955-73. No measurement made in 1974. Apr. 14, 1971, 34.31; Mar. 2, 1972, 34.37; Apr. 30, 1973, 34.45.

## Fairview Valley

391620118143001. Local number 124 N16 E33 02DC1. Formerly 16/33-2dcl. C. B. Stark. Drilled stock, artesian or water-table unknown, well in alluvium of Quaternary age, diam 8 in (20 cm), depth 441 ft (134 m), cased. Lsd about 4,160 ft (1,268 m) above msl. MP top of casing, 0.54 ft (0.16 m) above lsd. Highest water level 216.68 ft (66.04 m) below lsd, Jan. 13, 1955; lowest 224.94 ft (68.56 m) below lsd, Mar. 23, 1964. Records available: 1950, 1955-71, 1973-74. No measurement made in 1972. Apr. 14, 1971, 219.61; Apr. 30, 1973, 218.51; Mar. 16, 1974, 218.74.

Clark County

## Las Vegas Valley

362750115244001. Local number 212 S17 E59 20BC1. Formerly 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 (15 cm), depth 300 ft (91 m), cased. Lsd about 2,950 ft (899 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd. Highest water level 26.01 ft (7.93 m) below lsd, Feb. 14, 1972; lowest 31.01 ft (9.45 m) below lsd, Sept. 12, 1944. Records available: 1944-67, 1969-74. Feb. 3, 1971, 27.13; Feb. 14, 1972, 26.01; Apr. 5, 1973, 27.08; Feb. 14, 1974, 26.35.

361840115164001. Local number 212 S19 E60 09BC1. Formerly S19/60-9bcl. P. J. Goumond (State Engineer No. 427). Drilled unused artesian well in alluvium of Quaternary age, diam 10 in (25 cm), depth 830 ft (253 m), cased to 140 ft (43 m). Lsd about 2,500 ft (762 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 43.65 ft (13.30 m) below lsd, June 3, 1944; lowest 141.86 ft (43.24 m) below lsd, Aug. 5, 1974. Records available: 1944-74. Measurements supplied by Office of Nevada State Engineer.

Water level at noon, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	117.38	115.99	114.45	115.16	.....	117.14	.....	118.20	119.87	121.00	119.92	.....
10	.....	116.24	.....	115.80	.....	116.76	117.44	118.34	120.04	121.79	121.74	116.37
15	116.26	.....	114.38	115.92	115.90	117.20	117.64	118.63	120.50	.....	121.00	.....
20	116.70	114.75	115.06	.....	116.28	117.71	118.20	118.58	120.40	122.29	120.10	116.52
25	116.48	115.70	.....	.....	116.44	117.42	118.24	118.56	120.21	121.16	118.70	116.40
Eom	115.58	115.64	115.66	.....	116.44	117.34	118.04	118.92	120.48	121.74	117.67	116.62

## 1972

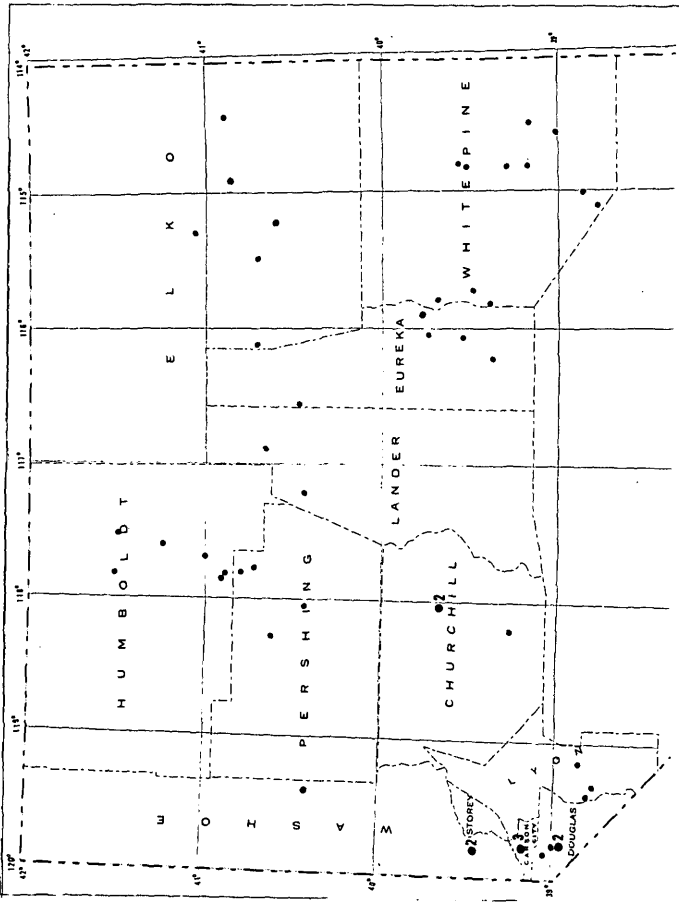
5	115.89	115.09	119.56	.....	.....	125.12	126.90	.....	129.38	130.62	.....	124.48
10	.....	115.11	119.86	.....	124.50	125.81	127.20	128.66	.....	129.56	125.56	124.30
15	.....	116.84	.....	122.16	124.50	.....	127.20	128.50	129.88	129.69	125.19	124.26
20	116.10	.....	.....	123.04	.....	126.16	127.31	.....	129.50	128.86	125.14	124.00
25	115.24	118.76	.....	123.64	.....	.....	128.06	129.02	130.24	128.34	124.78	123.93
Eom	115.24	118.24	121.70	123.84	125.08	123.36	127.88	129.61	130.30	127.08	124.60	.....

## 1973

5	123.19	122.88	.....	125.80	.....	.....	.....	.....	133.70	134.70	136.10	133.76
10	123.49	123.01	122.82	125.76	.....	.....	.....	133.32	134.34	134.95	136.90	133.36
15	123.11	122.70	122.88	127.08	.....	.....	.....	133.52	134.22	135.06	135.30	133.48
20	123.08	122.63	124.12	127.08	.....	.....	.....	133.46	133.74	135.26	134.90	133.46
25	122.98	122.58	125.00	128.37	.....	.....	.....	133.91	134.04	133.82	135.19	132.90
Eom	123.24	122.42	125.40	135.15	.....	.....	.....	134.80	133.70	134.17	134.82	131.92

## 1974

5	131.52	.....	137.40	.....	.....	.....	.....	141.86	.....	.....	.....	.....
10	131.29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	131.54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	137.58
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	137.90
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	137.60
Eom	.....	.....	.....	.....	.....	.....	.....	141.60	.....	.....	.....	136.98



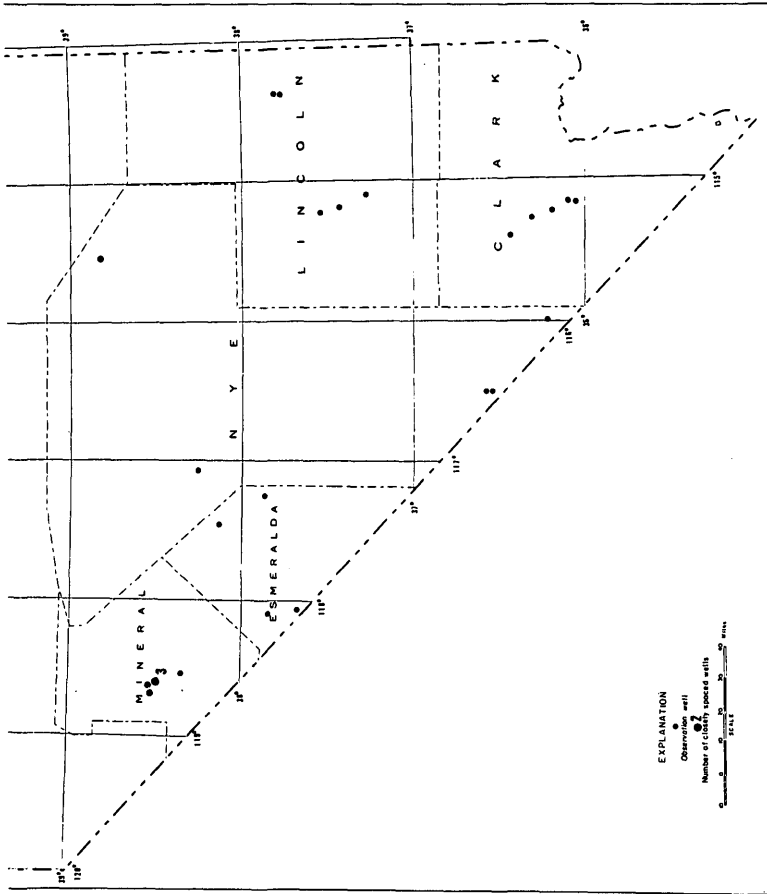


Figure 5.--Location of observation wells in Nevada, 1971-74.

360910115092001. Local number 212 S21 E61 04AAD1. Formerly S21/61-4aad1. Opaco Lumber Co. (State Engineer No. 386). Drilled unused artesian well in alluvium of Quaternary age, diam 10 in (25 cm), depth 793 ft (242 m), cased to 770 ft (235 m), perforated 338-438 ft (103-134 m), 642-770 ft (196-235 m). Lsd 2,038.76 ft (621.41 m) above msl. MP hole in casing, 1.46 ft (0.45 m) above lsd. Highest water level 46.7 ft (14.2 m) above lsd, Feb. 8, 1950; lowest 69.94 ft (21.32 m) below lsd, Aug. 24, 1970. Records available: 1944-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3, 1971	40.14	May 12, 1972	46.45	May 11, 1973	39.84	May 14, 1974	40.84
Aug. 9	55.25	Oct. 3	55.01	Aug. 21	57.41	Aug. 26	52.74
Nov. 29	47.99	Dec. 1	45.39	Nov. 30	47.69	Nov. 27	48.94
Feb. 25, 1972	39.52	Feb. 21, 1973	36.82	Mar. 11, 1974	35.93		

360600115091001. Local number 212 S21 E61 22CCC1. Formerly S21/61-22cccl. A. P. Baker (State Engineer No. 117). Drilled unused artesian well in alluvium of Quaternary age, diam 6 in (15 cm), depth 500 ft (152 m), cased. Lsd 2,070.8 ft (631.2 m) above msl. MP 4-in (1.3-cm) plug in casing, 1.00 ft (0.30 m) above lsd. Highest water level 35.65 ft (10.87 m) above lsd, Dec. 20, 1942, Jan. 24, 1943; lowest 90.39 ft (27.55 m) below lsd, Aug. 26, 1974. Records available: 1940-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3, 1971	42.12	Feb. 25, 1972	43.70	Feb. 20, 1973	30.16	Mar. 8, 1974	35.97
May 12	63.10	May 12	72.22	May 11	55.36	May 14	68.47
Aug. 9	88.60	Oct. 2	71.95	Aug. 21	85.12	Aug. 26	90.39
Nov. 18	47.17	Nov. 30	43.92	Nov. 30	47.58	Nov. 25	49.74

360350115102001. Local number 212 S22 E61 04BCC1. Formerly S22/61-4bccc1. Fitzpatrick (State Engineer No. 41). Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 8 in (20 cm), depth 355 ft (108 m), cased. Lsd 2,224.91 ft (678.15 m) above msl. MP top of casing, 0.80 ft (0.24 m) above lsd. Highest water level 74.4 ft (22.7 m) below lsd, Jan. 25, 1939; lowest 142.70 ft (43.49 m) below lsd, Sept. 5, 1974. Records available: 1938-74.

Water level at noon, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	130.05	130.64	130.42	132.10	.....	133.80	136.08	136.48	.....	135.06	133.56	132.22
10	129.80	130.86	130.70	132.66	132.64	134.03	136.72	135.46	135.99	135.25	132.32	132.10
15	130.11	130.92	131.22	132.68	133.30	134.48	136.66	135.65	136.17	.....	131.88	131.84
20	130.18	130.42	131.01	.....	133.59	134.90	136.34	135.95	135.92	134.30	131.74	131.82
25	130.30	130.82	131.52	.....	133.67	135.90	135.92	135.70	135.20	133.89	132.68	131.34
Eom	130.42	130.37	131.60	.....	133.33	136.24	136.12	135.34	135.30	133.42	132.46	131.29

1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	131.27	131.22	132.56	134.00	134.82	137.08	136.97	138.07	.....	136.64	134.66	133.80
10	131.18	131.26	132.02	.....	135.02	137.10	137.43	.....	136.19	135.71	134.74	133.82
15	131.42	131.59	132.94	133.94	135.12	135.96	137.80	.....	136.70	135.62	134.20	134.00
20	131.42	131.68	133.10	134.26	135.50	136.58	137.86	.....	136.09	135.18	134.07	133.64
25	131.32	132.33	133.31	.....	136.19	.....	137.55	137.24	136.56	134.90	134.93	133.65
Eom	131.14	132.48	133.54	.....	135.87	137.00	137.84	137.17	136.74	134.81	133.98	133.52

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	133.35	.....	132.65	.....	128.80	.....	.....	138.84	139.12	139.04	137.71	136.12
10	133.22	132.70	132.61	134.09	135.32	.....	.....	139.54	139.20	.....	137.95	136.08
15	133.10	132.76	132.64	.....	.....	.....	.....	139.20	138.63	138.44	137.40	135.85
20	132.93	133.10	132.61	134.61	.....	.....	.....	138.93	138.34	138.54	136.85	136.08
25	132.93	132.77	132.99	135.04	136.90	.....	.....	139.00	138.34	138.18	137.74	135.66
Eom	132.71	132.69	.....	128.20	.....	.....	139.24	138.76	139.09	138.14	136.66	135.34

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	134.84	135.14	135.16	138.01	.....	140.27	141.91	140.76	142.70	.....	.....	.....
10	134.87	135.46	135.34	137.84	139.16	140.52	141.58	141.20	142.14	.....	.....	138.36
15	134.82	135.39	136.58	138.27	138.96	140.74	141.70	141.64	.....	.....	.....	138.36
20	134.58	135.12	137.09	138.77	139.44	.....	.....	141.45	.....	.....	.....	138.68
25	134.82	135.26	137.60	138.85	139.64	141.28	.....	141.90	.....	.....	.....	138.10
Eom	135.12	135.48	137.44	138.57	139.73	141.43	141.10	142.22	.....	.....	.....	138.03

Douglas County

Carson Valley

385430119455001. Local number 105 N12 E20 17BA1. Formerly 12/20-17ba1. John Helwinkel, Jr. Drilled irrigation water-table well in alluvium of Quaternary age, diam 18 in (46 cm), depth 365 ft (111 m), cased. Lsd about 4,775 ft (1,455 m) above msl. MP slot in pumpbase, 0.10 ft (0.03 m) above lsd. Highest water level 8.82 ft (2.69 m) below lsd, July 9, 1949; lowest 20.48 ft (6.24 m) below lsd, Mar. 14, 1972. Records available: 1948-56, 1959-73. Well destroyed; measurement discontinued. Mar. 29, 1971, 19.65; Mar. 14, 1972, 20.48; May 5, 1973, 16.17.

390010119454001. Local number 105 N13 E20 08CA1. Formerly 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 (46 to 30 cm), depth 300 ft (91 m), 18-in (46-cm) casing 0-60 ft (0-18 m), 12-in (30-cm) casing 60-300 ft (18-91 m). Lsd about 4,700 ft (1,433 m) above msl. MP slot in pumpbase, 0.80 ft (0.24 m) above lsd. Highest water level flowing, Mar. 30, May 24, 1950, Sept. 18, Dec. 23, 1952, Apr. 3, 1953; lowest 6.36 ft (1.94 m) below lsd, Sept. 27, 1954. Records available: 1942, 1948-52, 1954-69, 1971-72. Measurement discontinued. Mar. 29, 1971, 1.16; Mar. 14, 1972, 1.10.



385630119452001. Local number 105 N13 E20 32CAA1. Formerly 13/20-32dcl. Mack Land & Cattle Co. Drilled irrigation water-table well in alluvium of Quaternary age, diam 18 in (46 cm), reported depth 420 ft (128 m), casing information not available. Lsd about 4,730 ft (1,442 m), previously reported 4,733 ft (1,443 m), above msl. MP top of casing, 0.40 ft (0.12 m) above lsd. Highest water level 7.22 ft (2.20 m) below lsd, July 11, 1967; lowest 14.17 ft (4.32 m) below lsd, Aug. 26, 1960. Records available: 1948-62, 1964-74. Mar. 29, 1971, 10.78; Mar. 14, 1972, 10.99; May 5, 1973, 9.14; Apr. 15, 1974, 11.09.

390230119480001. Local number 105 N14 E19 25BA1. Formerly 14/19-25bal. Carson Indian Agency. Drilled irrigation water-table well in alluvium of Quaternary age, diam 12 in (30 cm), depth 239 ft (73 m), cased. Lsd about 4,680 ft (1,426 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 7.90 ft (2.41 m) below lsd, Mar. 14, 1972; lowest 23.00 ft (7.01 m) below lsd, Oct. 12, 1961. Records available: 1946, 1948-74. Mar. 29, 1971, 9.24; Mar. 14, 1972, 7.90; May 5, 1973, 12.48; Apr. 17, 1974, 8.98.

### Elko County

#### Clover Valley

405310114574001. Local number 177 N35 E62 27B1. Formerly 35/62-27bl. U.S. Geol. Survey. Drilled test and observation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in (15 cm), depth 286 ft (87 m), cased 0-197 ft (0-60 m). Lsd about 5,650 ft (1,722 m) above msl. MP top of cap on casing, 0.45 ft (0.14 m) above lsd. Highest water level 6.38 ft (1.94 m) below lsd, Apr. 4, 1972; lowest 11.07 ft (3.37 m) below lsd, May 3, 1955. Records available: 1949-66, 1968-74. Apr. 1, 1971, 7.31; Apr. 4, 1972, 6.38; Mar. 13, 1973, 6.93; Mar. 13, 1974, 8.13.

#### Goshute Valley

#### (Formerly Goshute-Antelope Valley)

405110114262001. Local number 187 N34 E67 06A2. Formerly 34/67-6a2. Western Pacific RR. Co. Drilled industrial water-table well in alluvium of Quaternary age, diam 16 in (41 cm), reported depth 250 ft (76 m), cased. Lsd 5,550 ft (1,692 m) above msl. MP top of curb, at lsd. Highest water level 26.85 ft (8.18 m) below lsd, Mar. 27, 1951; lowest 30.72 ft (9.36 m) below lsd, Sept. 17, 1964. Records available: 1948-61, 1963-66, 1968-74. Apr. 1, 1971, 29.16; Apr. 3, 1972, 29.40; Apr. 4, 1973, 29.03; Mar. 13, 1974, 29.28.

#### Lamoille Valley

404350115281001. Local number 45 N33 E58 19AD1. Formerly 33/58-19ad1. H. Conrad. Known as Lamoille Church. Dug domestic water-table well in alluvium of Quaternary age, diam 4 ft (1 m), depth 16 ft (5 m), cased. Lsd about 5,950 ft (1,814 m) above msl. MP top of wood curb, at lsd. Highest water level 0.6 ft (0.2 m) below lsd, July 1, 1936; lowest 15.1 ft (4.6 m) below lsd, Dec. 15, 1940. Records available: 1934-66, 1968-74. Mar. 17, 1971, 11.87; Mar. 31, 1972, 7.72; May 2, 1973, 11.05; Mar. 11, 1974, 9.83.

#### Mary's Creek Area

#### (Formerly Humboldt River Valley)

404240116025001. Local number 52 N33 E52 27D1. Formerly 33/52-27d1. Carlin Town Government. Drilled unused water-table well in alluvium of Quaternary age, diam 20 in (51 cm), depth 500 ft (152 m), cased to 125 ft (38 m). Lsd about 4,920 ft (1,500 m) above msl. MP top of casing, 0.75 ft (0.23 m) above lsd. Highest water level 2.77 ft (0.84 m) below lsd, Feb. 20, 1951; lowest 8.88 ft (2.71 m) below lsd, Jan. 20, 1955. Records available: 1938-66, 1968-74. Apr. 6, 1971, 6.99; Apr. 5, 1972, 6.43; Apr. 25, 1973, 6.51; Apr. 3, 1974, 6.73.

#### Marys River Area

#### (Formerly Humboldt River Valley)

410400115164001. Local number 42 N37 E59 26A1. Formerly 37/59-26a1. Marvel Ranch (Deeth). Dug domestic water-table well in alluvium of Quaternary age, diam 4 ft (1 m), depth 14 ft (4 m), cased. Lsd about 5,350 ft (1,631 m) above msl. MP top of elbow welded on well cover, 1.70 ft (0.52 m) above lsd. Highest water level 2.02 ft (0.62 m) below lsd, Apr. 28, 1969; lowest 10.8 ft (3.3 m) below lsd, Mar. 30, Sept. 28, 1955. Records available: 1938-66, 1968-74. Apr. 1, 1971, 3.73; Apr. 3, 1972, 3.43; Mar. 13, 1973, 3.33; Mar. 5, 1974, 4.46.

#### Ruby Valley

403730115134002. Local number 176 N32 E60 29C2. Formerly 32/60-29c2. U.S. Geol. Survey. Driven observation water-table well in alluvium of Quaternary age, diam 14 in (3.8 cm), depth 15 ft (5 m), cased to 15 ft (5 m). Lsd about 6,000 ft (1,829 m) above msl. MP top of casing, 2.05 ft (0.63 m) above lsd. Highest water level 0.75 ft (0.23 m) below lsd, Apr. 4, 1971; lowest 7.48 ft (2.28 m) below lsd, Sept. 21, 1961. Records available: 1949-66, 1968-74. Apr. 4, 1971, 0.75; Mar. 31, 1972, 5.00; Apr. 24, 1973, 4.05; Mar. 14, 1974, 2.69.

Esmeralda County

## Alkali Spring Valley

375300117150001. Local number 142 S01 E42 10AAA1. Formerly S1/42-3. Owner unknown. Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in (15 cm), depth unknown, cased. Lsd about 4,980 ft (1,518 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 37.15 ft (11.32 m) below lsd, Feb. 14, 1968; lowest 202.40 ft (61.69 m) below lsd, Feb. 10, 1971. Records available: 1957-60, 1962-65, 1968-69, 1971-72. No measurement made in 1966-67, 1970, 1973-74. (1968-69 records not previously published.) Feb. 14, 1968, 37.15; Mar. 20, 1969, 41.20; Feb. 14, 1970 (well being pumped); Feb. 10, 1971, 202.40; Feb. 15, 1972, 199.76.

## Big Smoky Valley

## Tonopah Flat Subarea

380830117272001. Local number 137A N03 E40 11BBC1. Formerly 3/40-2c1. Millers Mill. Dug unused water-table well in alluvium of Quaternary age, size 8 x 5 ft (2.4 x 1.5 m), depth 61 ft (19 m), cribbed with wood. Lsd about 4,790 ft (1,460 m) above msl. MP arrow carved on southwest corner of cribbing, at lsd. Highest water level 39.10 ft (11.92 m) below lsd, Nov. 10, 1948; lowest 43.78 ft (13.34 m) below lsd, Sept. 13, 1963. Records available: 1948-55, 1957-60, 1963-66, 1969-73. No measurement made in 1974. Feb. 10, 1971, 39.35; Mar. 23, 1972, 39.34; Mar. 22, 1973, 39.16;

## Fish Lake Valley

374950118051001. Local number 117 S01 E35 28A1. Formerly S1/35-28a1. Rex B. Clark. Drilled stock water-table well in alluvium of Quaternary age, diam 16 in (41 cm), depth 624 ft (190 m), cased to 600 ft (183 m), perforated 150-600 ft (46-183 m). Lsd about 4,900 ft (1,494 m) above msl. MP top of hole in plug in casing, 0.50 ft (0.15 m) above lsd. Highest water level 25.45 ft (7.76 m) below lsd, Jan. 21, 1948; lowest 35.81 ft (10.91 m) below lsd, Feb. 15, 1972. Records available: 1945-56, 1958-59, 1962-66, 1969-73. No measurement made in 1974. Feb. 10, 1971, 31.83; Feb. 15, 1972, 35.81; Mar. 22, 1973, 34.47.

374030118034001. Local number 117 S03 E35 14C4. Formerly S3/35-14c4. U.S. Bureau of Land Management. Drilled unused water-table well in alluvium of Quaternary age, diam 12 in (30 cm), depth unknown, cased. Lsd about 4,830 ft (1,472 m) above msl. MP top of casing, 0.40 ft (0.12 m) above lsd. Highest water level 38.6 ft (11.8 m) below lsd, Jan. 21, 1948; lowest 53.96 ft (16.45 m) below lsd, Mar. 22, 1973. Records available: 1945, 1947-59, 1962-66, 1969-73. No measurement made in 1974. Feb. 10, 1971, 48.46; Feb. 14, 1972, 48.88; Mar. 22, 1973, 53.96.

Eureka County

## Antelope Valley

392310116125001. Local number 151 N18 E51 34D1. Formerly 18/51-34d1. Bartholemae Corp. Drilled stock water-table well in alluvium of Quaternary age, diam 6 in (15 cm), depth 134 ft (41 m), cased. Lsd about 6,330 ft (1,929 m) above msl. MP top of casing, 0.60 ft (0.18 m) above lsd. Highest water level 93.69 ft (28.56 m) below lsd, Mar. 16, 1966; lowest 96.11 ft (29.29 m) below lsd, Apr. 19, 1971. Records available: 1949-53, 1955, 1959, 1961-71, 1973-74. No measurement made in 1972. Apr. 19, 1971, 96.11; Apr. 28, 1973, 94.59; Mar. 17, 1974, 94.58.

## Crescent Valley

(Previously published in Lander County, Crescent Valley)

402100116452001 (revised). Local number 54 N29 E48 29C2. Formerly 29/48-29c2. Beowawe Farms. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 14 in (36 cm), depth 300 ft (91 m), cased to 300 ft (91 m). Lsd about 4,810 ft (1,466 m) above msl. MP top of casing, 0.60 ft (0.18 m) above lsd. Highest water level 56.33 ft (17.17 m) below lsd, Apr. 7, 1972, Apr. 12, 1973; lowest 69.28 ft (21.12 m) below lsd, Sept. 28, 1966. Records available: 1958-66, 1968-74. Apr. 10, 1971, 56.48; Apr. 7, 1972, 56.33; Apr. 12, 1973, 56.33; Apr. 4, 1974, 56.43.

## Diamond Valley

393310116020001. Local number 153 N20 E53 31D1. Formerly 20/53-31d1. A. C. Florio. Drilled stock, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in (15 cm), depth unknown, cased. Lsd about 6,100 ft (1,859 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 155.46 ft (47.38 m) below lsd, Sept. 6, 1957; lowest 193.92 ft (59.11 m) below lsd, Mar. 17, 1974. Records available: 1947-61, 1963-74. Apr. 19, 1971, 167.71; Mar. 3, 1972, 167.42; Apr. 28, 1973, 168.12; Mar. 17, 1974, 193.92.

394250116020001. Local number 153 N21 E53 05CB1. Formerly 21/53-5cb1. A. C. Florio. Drilled stock water-table well in alluvium of Quaternary age, diam 4 ft (1 m), depth 42 ft (13 m), cased. Lsd about 5,880 ft (1,792 m) above msl. MP top of casing, 1.70 ft (0.52 m) above lsd. Highest water level 27.61 ft (8.42 m) below lsd, Dec. 18, 1959; lowest 41.48 ft (12.64 m) below lsd, Apr. 28, 1973. Records available: 1947-56, 1959, 1961-73. No measurement made in 1974. Apr. 20, 1971, 39.50; Mar. 3, 1972, 40.77; Apr. 28, 1973, 41.48.

394520115524001. Local number 153 N22 E54 27CA1. Formerly 22/54-27cal. Robert Stucki. Drilled domestic and irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 12 in (30 cm), depth 94 ft (29 m), cased to 93 ft (28 m), perforated 46-93 ft (14-28 m). Lsd 5,858 ft (1,786 m) above msl. MP top of casing, 0.80 ft (0.24 m) above lsd. Highest water level 5.49 ft (1.67 m) below lsd, Aug. 11, 1949; lowest 26.73 ft (8.15 m) below lsd, Sept. 15, 1966. Records available: 1949-55, 1957, 1959, 1961-74. Apr. 20, 1971, 22.26; Mar. 3, 1972, 21.03; Apr. 28, 1973, 16.02; May 13, 1974, 23.50.

### Humboldt County

#### Grass Valley

(See also Pershing County)

405130117480001. Local number 71 N35 E37 34A2. Formerly 35/37-34a2. Owner unknown. Drilled unused water-table well in alluvium of Quaternary age, diam 10 in (25 cm), depth 83 ft (25 m), cased. Lsd 4,301.5 ft (1,311.1 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 17.68 ft (5.39 m) below lsd, May 16, 1946; lowest 28.14 ft (8.58 m) below lsd, Oct. 3, 1961. Records available: 1946-74. Apr. 8, 1971, 25.04; Apr. 7, 1972, 24.65; May 1, 1973, 23.88; Apr. 15, 1974, 25.03.

#### Paradise Valley

411510117350001. Local number 69 N39 E39 16D1. Formerly 39/39-16d1. Dwight C. Vedder. Drilled stock water-table well in alluvium of Quaternary age, diam 12 in (30 cm), depth 46 ft (14 m), cased. Lsd 4,331.7 ft (1,320.3 m) above msl. MP bottom edge of pumpbase, 0.30 ft (0.09 m) above lsd. Highest water level 3.82 ft (1.16 m) below lsd, May 28, 1951; lowest 14.01 ft (4.27 m) below lsd, Sept. 11, 1963. Records available: 1947-71, 1973. No measurement made in 1972, 1974. Apr. 28, 1971, 7.41; Apr. 30, 1973, 7.69.

412910117321001. Local number 69 N42 E39 25C1. Formerly 42/39-25c1. U.S. Bureau of Land Management. Dug unused water-table well in alluvium of Quaternary age, diam 6 ft (2 m), depth 18 ft (5 m), cased with iron. Lsd 4,523 ft (1,379 m) above msl. MP top of concrete floor, 5.20 ft (1.58 m) below lsd. Highest water level 1.80 ft (0.55 m) below lsd, July 8, 1958, Apr. 25, 1969; lowest 11.03 ft (3.36 m) below lsd, Nov. 16, 1961. Records available: 1945-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19, 1971	6.26	Jan. 18, 1972	6.90	Jan. 23, 1973	6.18	Jan. 18, 1974	6.42
Feb. 23	5.74	Feb. 18	6.13	Feb. 20	5.86	Feb. 21	6.48
Mar. 25	5.67	Mar. 21	4.81	Mar. 22	5.42	Mar. 20	6.36
Apr. 23	4.63	Apr. 19	4.91	Apr. 20	5.58	Apr. 17	5.90
May 20	3.90	May 17	5.15	May 18	5.84	May 20	3.21
June 16	1.86	June 23	4.05	June 20	4.48	June 17	3.48
July 21	4.81	July 19	6.00	July 19	6.52	July 22	5.99
Aug. 18	6.56	Aug. 15	7.26	Aug. 21	7.64	Aug. 20	7.02
Sept. 21	7.83	Sept. 20	7.92	Sept. 20	8.20	Sept. 24	8.01
Oct. 21	7.68	Oct. 20	7.92	Oct. 18	8.35	Oct. 24	8.30
Nov. 23	7.45	Nov. 20	7.68	Nov. 20	8.17	Nov. 19	8.29
Dec. 14	7.27	Dec. 20	7.41	Dec. 21	7.38	Dec. 20	8.12

#### Quinn River Valley

#### Orovada Subarea

413320117482001. Local number 33A N42 E37 03BB1. Formerly 42/37-3bb1. George Reed. Drilled irrigation water-table well in alluvium of Quaternary age, diam 12 in (30 cm), depth 160 ft (49 m), cased to 160 ft (49 m). Lsd 4,260 ft (1,298 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 16.55 ft (5.04 m) below lsd, Jan. 20, 1950; lowest 91.07 ft (27.76 m) below lsd, Apr. 5, 1974. Records available: 1949-64, 1967-74. Jan. 29, 1971, 65.96; Apr. 18, 1972, 65.12; Apr. 30, 1973, 88.95 (nearby well being pumped); Apr. 5, 1974, 91.07.

#### Winnemucca Segment

(Formerly Humboldt River Valley)

405010117502001. Local number 70 N35 E37 08D2. Formerly 35/37-8d2. D. H. McNinch. Drilled unused water-table well in alluvium of Quaternary age, diam 16 in (41 cm), depth 77 ft (23 m), cased. Lsd 4,301 ft (1,311 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 50.74 ft (15.47 m) below lsd, Mar. 17, 1953; lowest 69.50 ft (21.18 m) below lsd, Sept. 25, 1961. Records available: 1947-61, 1963-74. Apr. 8, 1971, 56.07; Mar. 30, 1972, 55.51; May 17, 1973, 55.23; Apr. 15, 1974, 55.63.

405940117423001. Local number 70 N36 E38 16C1. Formerly 36/38-16c1. George Hay Co. Drilled irrigation water-table well in alluvium of Quaternary age, diam 12 in (30 cm), depth 55 ft (17 m), cased. Lsd 4,291.6 ft (1,308.1 m) above msl. MP top of 4-in (1.3-cm) hole in pumpbase, 0.30 ft (0.09 m) above lsd. Highest water level 14.11 ft (4.30 m) below lsd, Apr. 25, 1969; lowest 21.53 ft (6.56 m) below lsd, Oct. 29, 1951. Records available: 1947-59, 1963-74. Apr. 8, 1971, 16.64; Mar. 22, 1972, 15.74; Apr. 5, 1973, 16.51; Apr. 17, 1974, 16.13.

Lander County

## Boulder Flat

(Formerly Humboldt River Valley)

403920116520001. Local number 61 N32 E45 11D1. Formerly 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 (15 cm), depth 197 ft (60 m), cased to 171 ft (52 m). Lsd about 4,518 ft (1,377 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 4.08 ft (1.24 m) below lsd, July 10, 1952; lowest 10.88 ft (3.32 m) below lsd, Oct. 4, 1961. Records available: 1949-66, 1968, 1970-74. Apr. 7, 1971, 7.71; Apr. 17, 1972, 5.98; Apr. 11, 1973, 7.62; Apr. 15, 1974, 8.17.

## Buffalo Valley

(Formerly Reese River Valley)

402710117124001. Local number 131 N30 E42 24C1. Formerly 30/42-24ccl. U.S. Bureau of Land Management. Drilled stock water-table well in alluvium of Quaternary age, diam 6 in (15 cm), depth 54 ft (16 m), cased. Lsd 4,634 ft (1,412 m) above msl. MP 4-in (1.3-cm) hole in pumpbase, 0.10 ft (0.03 m) above lsd. Highest water level 10.30 ft (3.14 m) below lsd, Mar. 16, 1949; lowest 13.25 ft (4.04 m) below lsd, Sept. 21, 1955. Records available: 1947-66, 1968-74. Apr. 7, 1971, 11.17; Apr. 17, 1972, 11.31; Apr. 11, 1973, 10.97; Apr. 3, 1974, 10.99.

Lincoln County

## Pahrangat Valley

373330115142001. Local number 209 S04 E60 34A2. Formerly S4/60-34a2. W. U. Schofield, Jr. Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 10 in (25 cm), reported depth 96 ft (29 m), cased to 96 ft (29 m), perforated 60-96 ft (18-29 m). Lsd about 4,000 ft (1,219 m) above msl. MP top of casing, 1.30 ft (0.40 m) above lsd. Highest water level 58.12 ft (17.71 m) below lsd, Aug. 8, 1946; lowest 72.73 ft (22.17 m) below lsd, Feb. 22, 1965. Records available: 1946, 1948-60, 1962-66, 1969-74. Feb. 9, 1971, 64.54; Feb. 17, 1972, 64.33; Mar. 23, 1973, 63.03; Apr. 8, 1974, 64.62.

372500115104001. Local number 209 S06 E61 18D2. Formerly S6/61-18d2. Gardner Chism. Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in (15 cm), depth 41 ft (13 m), cased. Lsd about 3,500 ft (1,067 m) above msl. MP top of flange on casing, 1.70 ft (0.52 m) above lsd. Highest water level 5.35 ft (1.63 m) below lsd, Mar. 14, 1951; lowest 10.94 ft (3.33 m) below lsd, Mar. 23, 1973. Records available: 1946-60, 1962-66, 1969-74. Feb. 8, 1971, 10.40; Feb. 17, 1972, 10.50; Mar. 23, 1973, 10.94; Apr. 8, 1974, 10.62.

371640115072001. Local number 209 S08 E61 02C1. Formerly S8/61-2c1. J. H. Hail. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 10 in (25 cm), depth 92 ft (28 m), sand-filled to 30 ft (9 m). Lsd about 3,020 ft (921 m) above msl. MP top edge of 1-in (2.5-cm) hole in pumpbase, 0.80 ft (0.24 m) above lsd. Highest water level 17.33 ft (5.28 m) below lsd, Mar. 23, 1973; lowest 26.98 ft (8.22 m) below lsd, Mar. 24, 1955. Records available: 1946-60, 1962-63, 1965-66, 1969-74. Feb. 8, 1971, 18.99; Feb. 17, 1972, 21.41; Mar. 23, 1973, 17.33; Apr. 8, 1974, 24.49.

## Panaca Valley

(Formerly Meadow Valley)

374910114231001. Local number 203 S01 E68 33B1. Formerly S1/68-33b1. Lafa Matthews Estate. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 10 in (25 cm), reported depth 120 ft (37 m), cased to 80 ft (24 m), perforated 60-80 ft (18-24 m). Lsd 4,784 ft (1,458 m) above msl. MP hole on side of casing, 0.30 ft (0.09 m) above lsd. Highest water level 30.32 ft (9.24 m) below lsd, Apr. 25, 1946; lowest 40.50 ft (12.34 m) below lsd, Sept. 19, 1959. Records available: 1946-55, 1957-60, 1962, 1964-66, 1969-70, 1972-74. No measurement made in 1971. Feb. 8, 1971 (well being pumped); Feb. 16, 1972, 38.15; Mar. 15, 1973, 38.51; Apr. 9, 1974, 38.25.

374750114242001. Local number 203 S02 E68 08B5. Formerly 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 (20 cm), depth 110 ft (34 m), cased to 110 ft (34 m). Lsd about 5,000 ft (1,524 m) above msl. MP top of recorder platform, 1.20 ft (0.37 m) above lsd. Highest water level 10.72 ft (3.27 m) below lsd, Mar. 20, 1950; lowest 22.82 ft (6.96 m) below lsd, Aug. 29, 1964. Records available: 1949-59, 1961-67, 1969-74. Feb. 8, 1971, 14.60; Feb. 16, 1972, 15.71; Mar. 15, 1973, 16.15; Apr. 9, 1974, 16.50.

Lyon County

## Mason Valley

385110119090001. Local number 108 N12 E25 35DC1. Formerly 12/25-35dc1. John C. Baker. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 16 in (41 cm), reported depth 253 ft (77 m), cased to 242 ft (74 m). Lsd about 4,500 ft (1,372 m) above msl. MP top of slot in casing, 1.50 ft (0.46 m) above lsd. Highest water level 3.39 ft (1.03 m) below lsd, Aug. 18, 1958; lowest 18.25 ft (5.56 m) below lsd, Feb. 28, 1962. Records available: 1953, 1957-72, 1974. No measurement made in 1973. Mar. 29, 1971, 11.15; Mar. 8, 1972, 9.14; Apr. 15, 1974, 10.48.

## Smith Valley

385030119232001. Local number 107 N11 E23 03DC1. Formerly 11/23-3dcl. R. B. Day. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 12 in (30 cm), depth 242 ft (74 m), cased to 164 ft (50 m), perforated 0-164 ft (0-50 m). Lsd 4,830 ft (1,472 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 45.21 ft (13.78 m) below lsd, June 17, 1957; lowest 64.92 ft (19.79 m) below lsd, Sept. 11, 1962. Records available: 1948-57, 1959-60, 1962-72, 1974. No measurement made in 1973. Mar. 29, 1971, 55.20; Mar. 8, 1972, 55.15; Apr. 15, 1974, 56.08.

384610119190001. Local number 107 N11 E24 32DC1. Formerly 11/24-32dcl. A. Nutti. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 16 in (41 cm), reported depth 390 ft (119 m), cased. Lsd 4,865 ft (1,483 m) above msl. MP top of 3/4-in (1.9-cm) plug opening, 0.40 ft (0.12 m) above lsd. Highest water level 23.62 ft (7.20 m) below lsd, Mar. 3, 1948; lowest 72.14 ft (22.00 m) below lsd, Sept. 18, 1964. Records available: 1948-74. Mar. 29, 1971, 38.16; Mar. 8, 1972, 37.62; Mar. 24, 1973, 38.51; Apr. 15, 1974, 42.98.

Mineral County

## Walker Lake Valley

(Formerly Lake Valley and Whiskey Flat)

## Whiskey Flat-Hawthorne Subarea

382020118310001. Local number 110C N06 E31 33B2. Formerly 6/31-33b2. W. F. Merchant. Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 8 in (20 cm), depth 69 ft (21 m), cased. Lsd about 5,700 ft (1,737 m) above msl. MP top of casing, at lsd. Highest water level 42.23 ft (12.87 m) below lsd, Sept. 19, 1950; lowest 49.00 ft (14.94 m) below lsd, Apr. 16, 1974. Records available: 1948-51, 1957-58, 1962-66, 1968-74. Apr. 13, 1971, 47.57; Mar. 1, 1972, 48.10; Apr. 23, 1973, 47.60; Apr. 16, 1974, 49.00.

383440118365001. Local number 110C N08 E30 03DA1. Formerly 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 (46 cm), depth 852 ft (260 m), cased. Lsd 4,125 ft (1,257 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 47.20 ft (14.39 m) below lsd, Dec. 9, 1954; lowest 54.15 ft (16.50 m) below lsd, Feb. 27, 1974. Records available: 1954, 1957-60, 1962-66, 1968-74. Apr. 13, 1971, 53.30; Mar. 1, 1972, 53.76; Mar. 23, 1973, 54.05; Feb. 27, 1974, 54.15.

383310118401001. Local number 110C N08 E30 18AAD1. Formerly 8/30-18aad1. U.S. Naval Ammunition Depot. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 18 in (46 cm), depth 345 ft (105 m), cased. Lsd about 4,140 ft (1,262 m) above msl. MP top of measuring pipe, 1.00 ft (0.30 m) above lsd. Highest water level 95.10 ft (29.00 m) below lsd, Nov. 21, 1952; lowest 105.27 ft (32.09 m) below lsd, Feb. 27, 1974. Records available: 1952, 1957-60, 1962-66, 1968-74. Apr. 13, 1971, 103.95; Mar. 1, 1972, 104.44; Apr. 23, 1973, 104.82; Feb. 27, 1974, 105.27.

383150118380001. Local number 110C N08 E30 21DDB1. Formerly 8/30-21ddbl. U.S. Naval Ammunition Depot. Drilled domestic and irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 18 in (46 cm), depth 394 ft (120 m), cased. Lsd 4,262 ft (1,299 m) above msl. MP top of casing cover, 1.20 ft (0.37 m) above lsd. Highest water level 199.9 ft (60.9 m) below lsd, Nov. 21, 1952; lowest 232.69 ft (70.92 m) below lsd, Apr. 23, 1973. Records available: 1952, 1957-60, 1962-66, 1968-74. Apr. 13, 1971, 209.36; Mar. 1, 1972, 214.99; Apr. 23, 1973, 232.69; Feb. 27, 1974, 210.10.

383100118355001. Local number 110C N08 E30 26DDA1. Formerly 8/30-26ddal. U.S. Naval Ammunition Depot. Drilled industrial, artesian or water-table unknown, well in alluvium of Quaternary age, diam 18 in (46 cm), depth 423 ft (129 m), cased. Lsd 4,341 ft (1,323 m) above msl. MP top of hole in pumpbase, 1.22 ft (0.37 m) above lsd. Highest water level 246.50 ft (75.13 m) below lsd, Nov. 21, 1952; lowest 280.41 ft (85.47 m) below lsd, Apr. 23, 1973. Records available: 1952, 1957-60, 1962-66, 1968-74. Apr. 13, 1971, 266.07; Mar. 1, 1972, 255.07; Apr. 23, 1973, 280.41; Mar. 6, 1974, 256.62.

383100118330001. Local number 110C N08 E31 32BAB1. Formerly 8/31-32bab1. U.S. Naval Ammunition Depot. Drilled industrial, artesian or water-table unknown, well in alluvium of Quaternary age, diam 18 in (46 cm), depth 452 ft (138 m), cased. Lsd 4,374 ft (1,333 m) above msl. MP top of measuring pipe, 0.20 ft (0.06 m) above lsd. Highest water level 242.60 ft (73.94 m) below lsd, Nov. 21, 1952; lowest 257.29 ft (78.42 m) below lsd, Apr. 13, 1970. Records available: 1952, 1957-58, 1960, 1962-66, 1968-72, 1974. No measurement made in 1973. Apr. 13, 1971, 246.72; Mar. 1, 1972, 247.04; Mar. 6, 1974, 246.20.

Nye County

## Amargosa Desert

363310116294001. Local number 230 S16 E49 18DC1. Formerly 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 (30 cm), depth 348 ft (106 m), cased. Lsd 2,375.1 ft (723.9 m) above msl. MP top of casing collar, at lsd. Highest water level 103.10 ft (31.42 m) below lsd, Feb. 12, 1955; lowest 110.89 ft (33.80 m) below lsd, Mar. 20, 1973. Records available: 1953, 1955-59, 1961, 1963, 1965-67, 1969-74. Feb. 10, 1971, 108.10; Feb. 11, 1972, 110.48; Mar. 20, 1973, 110.89; Jan. 31, 1974, 110.12.

363120116300001. Local number 230 S16 E49 31BA1. Formerly S16/49-31ba1. Gordon Bettles. Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 16 in (41 cm), depth 162 ft (49 m), cased. Lsd 2,326.33 ft (709.07 m) above msl. MP top of casing, at lsd. Highest water level 66.10 ft (20.15 m) below lsd, May 7, 1952; lowest 72.41 ft (22.07 m) below lsd, Mar. 20, 1973. Records available: 1952-59, 1961, 1963-67, 1969-74. Feb. 10, 1971, 71.21; Feb. 11, 1972, 72.16; Mar. 20, 1973, 72.41; Jan. 31, 1974, 71.36.

#### Pahrump Valley

361210115590001. Local number 162 S20 E53 14DCC3. Formerly S20/53-14dcc3. Williams and Crews. Drilled irrigation artesian well in alluvium of Quaternary age, diam 16 in (41 cm), depth 460 ft (140 m), cased. Lsd 2,679.11 ft (816.59 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd. Highest water level 4.05 ft (1.23 m) above lsd, Mar. 6, 1945; lowest 82.74 ft (25.22 m) below lsd, Feb. 14, 1974. Records available: 1945, 1959, 1962, 1965-67, 1969-71, 1973-74. No measurement made in 1972. Feb. 10, 1971, 69.10; Feb. 26, 1973, 82.43; Feb. 14, 1974, 82.74.

#### Railroad Valley (Northern Part)

384900115334001. Local number 173B N11 E57 09CD1. Formerly 11/57-16al. U.S. Bureau of Land Management. Drilled stock, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in (15 cm), depth 354 ft (108 m), cased. Lsd 5,072 ft (1,546 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 171.28 ft (52.21 m) below lsd, Oct. 3, 1973; lowest 179.43 ft (54.69 m) below lsd, Mar. 20, 1974. Records available: 1948-57, 1973-74. This well was last published in WSP 1770, where the measurements for 1948-57 are given. No measurement made in 1958-72. Oct. 3, 1973, 171.28; Mar. 20, 1974, 179.43.

#### Ralston Valley

381500117042001. Local number 141 N05 E44 32BB1. Formerly 5/44-32bb1. Owner unknown. Dug unused water-table well in alluvium of Quaternary age, diam unknown, depth 18 ft (5 m), cribbed with wood. Lsd about 5,800 ft (1,768 m) above msl. MP top south side of cribbing, at lsd. Highest water level 11.57 ft (3.53 m) below lsd, Mar. 21, 1974; lowest 12.85 ft (3.92 m) below lsd, Sept. 11, 1951. Records available: 1948-60, 1962-66, 1968-74. Apr. 23, 1971, 12.66; May 5, 1972, 12.35; May 1, 1973, 11.94; Mar. 21, 1974, 11.57.

#### Pershing County

##### Buena Vista Valley

402640118015002. Local number 129 N30 E35 27B2. Formerly 30/35-27b2. Neill Talcott. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 8 in (20 cm), depth unknown, cased. Lsd about 4,240 ft (1,292 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 14.61 ft (4.45 m) below lsd, Sept. 11, 1963; lowest 21.57 ft (6.58 m) below lsd, Mar. 21, 1965. Records available: 1963-66, 1968-74. Apr. 13, 1971, 18.08; Mar. 22, 1972, 18.53; Mar. 21, 1973, 19.28; Apr. 16, 1974, 15.25.

#### Grass Valley

(See also Humboldt County)

404140117435001. Local number 71 N33 E38 32B1. Formerly 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 (15 cm), depth 54 ft (16 m), cased. Lsd about 4,431 ft (1,351 m) above msl. MP top of 4-in (10-cm) square block on top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 28.17 ft (8.59 m) below lsd, Aug. 18, 1945; lowest 36.54 ft (11.14 m) below lsd, Apr. 15, 1974. Records available: 1946-56, 1961-74. Apr. 8, 1971, 33.66; Apr. 7, 1972, 35.41; May 1, 1973, 35.85; Apr. 15, 1974, 36.54.

404940117475001. Local number 71 N34 E37 22A1. Formerly 34/37-22a1. J. Ballard. Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in (15 cm), depth 50 ft (15 m), cased. Lsd 4,329 ft (1,319 m) above msl. MP top of casing, at lsd. Highest water level 9.31 ft (2.84 m) below lsd, Mar. 21, 1956; lowest 13.17 ft (4.01 m) below lsd, Sept. 20, 1966. Records available: 1946-62, 1964-74. Apr. 8, 1971, 11.96; Apr. 7, 1972, 11.87; June 14, 1973, 12.11; Apr. 15, 1974, 12.31.

#### Imlay Area

(Formerly Humboldt River Valley)

403620118153001. Local number 72 N32 E33 28D1. Formerly 32/33-28d1. Cliff and Cecil Campbell. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 14 in (36 cm), reported depth 288 ft (88 m), cased 0-236 ft (0-72 m). Lsd about 4,150 ft (1,265 m) above msl. MP end of discharge pipe, 8.10 ft (2.47 m) above lsd. Highest water level 33.11 ft (10.09 m) below lsd, Apr. 16, 1974; lowest 45.85 ft (13.98 m) below lsd, Mar. 25, 1970. Records available: 1950-54, 1956-60, 1963-66, 1968-74. Apr. 13, 1971, 35.96; Mar. 22, 1972, 34.77; Mar. 21, 1973, 44.16; Apr. 16, 1974, 33.11.

Washoe County

## San Emidio Desert

402642119253401. Local number 22 N30 E23 29B1. Owner unknown. Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in (15 cm), depth unknown, cased. Lsd 4,013 ft (1,223 m) above msl. MP top of coupling on casing, 1.00 ft (0.30 m) above lsd. Highest water level 45.20 ft (13.78 m) below lsd, Apr. 9, 1969; lowest 46.45 ft (14.16 m) below lsd, Mar. 13, 1972. Records available: 1968-74. Feb. 28, 1968, 46.12; Apr. 9, 1969, 45.20; Mar. 24, 1970, 46.05; Mar. 17, 1971, 46.33; Mar. 13, 1972, 46.45; May 14, 1973, 46.25; Apr. 18, 1974, 46.27.

## Truckee Meadows

392930119481001. Local number 87 N19 E19 24CC1. Formerly 19/19-24cc1. J. B. Linabary. Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in (15 cm), depth 89 ft (27 m), cased to 89 ft (27 m). Lsd about 4,490 ft (1,369 m) above msl. MP top of casing, 1.55 ft (0.47 m) below lsd. Highest water level 27.45 ft (8.37 m) below lsd, Aug. 27, 1959; lowest 35.85 ft (10.93 m) below lsd, Mar. 8, 1967. Records available: 1956-71. Well destroyed; measurement discontinued. Mar. 30, 1971, 34.19.

393143119453201. Local number 87 N19 E20 08ACC1. Formerly 19/20-8acc1. J. G. Morrison. Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in (15 cm), depth 42 ft (13 m), cased to 42 ft (13 m). Lsd 4,415 ft (1,346 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 1.44 ft (0.44 m) below lsd, Aug. 14, 1958; lowest 9.94 ft (3.03 m) below lsd, Apr. 19, 1974. Records available: 1956-68, 1970-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 30, 1971	7.19	Mar. 21, 1972	8.28	Feb. 21, 1973	8.62	Jan. 17, 1974	8.63
May 28	6.91	Apr. 28	7.40	Mar. 20	8.97	Feb. 20	9.08
June 29	6.74	May 24	6.42	Apr. 26	9.44	Mar. 20	9.44
July 27	6.01	June 20	6.47	May 1	9.13	Apr. 19	9.94
Aug. 27	5.96	July 24	7.67	21	8.64	May 21	8.73
Sept. 21	5.92	Aug. 24	6.44	June 21	7.98	June 26	8.69
Oct. 20	5.60	Sept. 21	6.60	July 20	7.95	July 23	8.65
Nov. 26	6.42	Oct. 17	6.62	Aug. 21	7.70	Aug. 21	8.04
Dec. 22	5.95	25	6.62	Sept. 21	7.23	Sept. 19	7.67
Jan. 31, 1972	6.22	Nov. 20	7.42	Oct. 23	7.10	Oct. 22	7.53
Feb. 22	7.30	Dec. 20	8.03	Nov. 30	7.18	Nov. 21	8.45
Mar. 9	7.47	Jan. 22, 1973	8.18	Dec. 20	8.01	Dec. 28	9.06

White Pine County

## Newark Valley

392300115493001. Local number 154 N18 E55 31C1. Formerly 18/55-31c1. Federal Emergency Relief Administration. Dug stock water-table well in alluvium of Quaternary age; diam 36 in (91 cm); depth 44 ft (13 m), previously reported 43 ft (13 m); cased with concrete. Lsd about 5,930 ft (1,807 m) above msl. MP top of 6-in (15-cm) square post, 1.67 ft (0.51 m) above lsd. Highest water level 33.19 ft (10.12 m) below lsd, Sept. 15, 1961, Sept. 15, 1955; lowest 43.96 ft (13.40 m) below lsd, Sept. 11, 1963. Records available: 1946-59, 1961-74. Apr. 20, 1971, 35.48; May 3, 1972, 35.69; Apr. 27, 1973, 35.73; Mar. 17, 1974, 35.79.

392850115421001. Local number 154 N19 E56 30D2. Formerly 19/56-30d2. Don Eldridge. Dug stock water-table well in alluvium of Quaternary age, diam 42 in (107 cm), depth 37 ft (11 m), cribbed with concrete. Lsd 5,900 ft (1,798 m) above msl. MP top of casing, 2.50 ft (0.76 m) above lsd. Highest water level 22.11 ft (6.74 m) below lsd, Apr. 20, 1971; lowest 36.37 ft (11.09 m) below lsd, Apr. 22, 1970. Records available: 1948-74. Apr. 20, 1971, 22.11; May 3, 1972, 33.30; Apr. 27, 1973, 33.42; Mar. 17, 1974, 29.11.

394200115461001. Local number 154 N21 E55 09B1. Formerly 21/55-9b1. R. W. Hooper. Dug domestic water-table well in alluvium of Quaternary age, size 5 x 5 ft (2 x 2 m), depth 34 ft (10 m), cribbed with wood. Lsd 5,950 ft (1,814 m) above msl. MP top of wood cribbing, 3.50 ft (1.07 m) above lsd. Highest water level 10.67 ft (3.25 m) below lsd, Mar. 26, 1956; lowest 20.80 ft (6.34 m) below lsd, Oct. 12, 1962. Records available: 1948-59, 1961-74. Apr. 20, 1971, 15.59; May 3, 1972, 17.23; Apr. 27, 1973, 16.40; Mar. 17, 1974, 15.07.

## Spring Valley

390000114282001. Local number 184 N13 E67 08D1. Formerly 13/67-8d1. A. Schaurman. Dug stock water-table well in alluvium of Quaternary age, diam 36 in (91 cm), reported depth 45 ft (14 m), cased. Lsd about 5,800 ft (1,768 m) above msl. MP top of concrete curb, 2.50 ft (0.76 m) above lsd. Highest water level 9.14 ft (2.79 m) below lsd, May 5, 1973; lowest 15.18 ft (4.63 m) below lsd, Sept. 17, 1966. Records available: 1947-57, 1959-74. Mar. 29, 1971, 10.78; Mar. 14, 1972, 10.99; May 5, 1973, 9.14; Mar. 15, 1974, 11.09.

390940114302001. Local number 184 N15 E66 13D1. Formerly 15/66-13d1. J. P. Johnson. Drilled domestic, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in (15 cm), depth 82 ft (25 m), cased. Lsd about 5,760 ft (1,756 m) above msl. MP lowest point of break on east side of pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 8.07 ft (2.46 m) below lsd, Apr. 21, 1969; lowest 23.81 ft (7.26 m) below lsd, Mar. 10, 1961. Records available: 1947, 1949-57, 1959-73. Measurement discontinued. Apr. 21, 1971, 18.90; May 27, 1972, 15.18; Apr. 26, 1973, 17.42.

## Steptoe Valley

391100114492001. Local number 179 N15 E64 07A1. Formerly 15/64-7a1. Lloyd Sorenson. Drilled irrigation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 16 in (41 cm), reported depth 200 ft (61 m), cased. Lsd about 6,500 ft (1,981 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 31.76 ft (9.68 m) below lsd, Apr. 23, 1970; lowest 41.83 ft (12.75 m) below lsd, Mar. 10, 1961. Records available: 1948-57, 1959, 1961-74. Apr. 21, 1971, 33.15; May 2, 1972, 33.22; Apr. 26, 1973, 32.95; Mar. 18, 1974, 34.54.

391700114501001. Local number 179 N16 E63 01B1. Formerly 16/63-1b1. Owner unknown. Drilled unused, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in (15 cm), depth unknown, cased. Lsd about 6,250 ft (1,905 m) above msl. MP top of cap on casing, 0.80 ft (0.24 m) above lsd. Highest water level 55.91 ft (17.04 m) below lsd, Apr. 21, 1969; lowest 75.54 ft (23.02 m) below lsd, Mar. 25, 1964. Records available: 1949-57, 1959-73. Well destroyed; measurement discontinued. Apr. 20, 1971, 58.25; May 3, 1972, 58.90; Apr. 24, 1973, 59.70.

393150114493001. Local number 179 N19 E63 12A1. Formerly 19/63-12a1. 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 (30 to 20 cm), depth 915 ft (279 m), 12-in (30-cm) casing 0-181 ft (0-55 m), 8-in (20-cm) casing 0-540 ft (0-165 m). Lsd 6,054 ft (1,845 m) above msl. MP top of concrete curb, 1.60 ft (0.49 m) above lsd. Highest water level 9.6 ft (2.9 m) below lsd, 1918; lowest 21.20 ft (6.46 m) below lsd, July 5, 1949. Records available: 1918, 1949-57, 1959, 1961-72. Measurement discontinued. Apr. 20, 1971, 14.03; May 3, 1972, 14.20.

393310114475001. Local number 179 N20 E64 32C2. Formerly 20/64-32c2. U.S. Geol. Survey. Drilled test, artesian or water-table unknown, well in alluvium of Quaternary age, diam 10 in (25 cm), depth 110 ft (34 m), cased. Lsd about 6,070 ft (1,850 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 11.80 ft (3.60 m) below lsd, May 20, 1971; lowest 17.87 ft (5.45 m) below lsd, Dec. 17, 1964. Records available: 1918, 1949-57, 1959, 1961-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1971	12.05	Jan. 18, 1972	12.25	Nov. 28, 1972	12.68	Oct. 30, 1973	13.00
Mar. 2	12.00	Feb. 23	12.20	Dec. 26	12.21	Dec. 11	12.77
Apr. 20	11.84	Mar. 22	12.10	Jan. 23, 1973	12.43	Jan. 29, 1974	12.38
May 20	11.80	May 3	11.97	Mar. 6	12.25	Mar. 19	12.20
June 22	11.98		12.04	Apr. 24	12.00	May 14	12.00
July 28	12.75	June 26	12.39	May 20	11.90	June 11	12.17
Aug. 26	13.08	July 26	12.88	June 20	12.23	July 16	12.20
Sept. 26	13.02	Aug. 30	13.17	July 24	12.76	Aug. 20	13.14
Oct. 21	12.61	Sept. 23	13.11	Aug. 21	13.05	Sept. 30	13.18
Nov. 16	12.38	Oct. 31	12.86	Sept. 19	13.82	Dec. 16	12.50
Dec. 22	12.28						

## White River Valley

384640115045001. Local number 207 N11 E61 35A1. Formerly 11/61-35a1. Public domain. Drilled stock, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in (15 cm), depth unknown, cased. Lsd about 5,400 ft (1,646 m) above msl. MP top of casing, 0.40 ft (0.12 m) above lsd. Highest water level 8.69 ft (2.65 m) below lsd, Apr. 20, 1969; lowest 13.66 ft (4.16 m) below lsd, Oct. 13, 1962. Records available: 1947-57, 1959, 1961-74. Measurement discontinued. Apr. 22, 1971, 11.28; Apr. 4, 1972, 11.35; Apr. 25, 1973, 10.29; May 14, 1974, 11.40.

385400115024001. Local number 207 N12 E62 18D1. Formerly 12/62-18d1. U.S. Geol. Survey. Drilled test and observation, artesian or water-table unknown, well in alluvium of Quaternary age, diam 6 in (15 cm), depth 108 ft (33 m), cased to 105 ft (32 m). Lsd about 5,600 ft (1,707 m) above msl. MP top of casing collar, 0.50 ft (0.15 m) above lsd. Highest water level 43.56 ft (13.28 m) below lsd, Sept. 9, 1952; lowest 53.21 ft (16.22 m) below lsd, Sept. 16, 1966. Records available: 1947-53, 1955-57, 1959, 1961-68, 1970-71, 1973-74. No measurement made in 1972. Measurement discontinued in 1974. Apr. 22, 1971, 46.66; Apr. 25, 1973, 48.61; May 14, 1974, 49.52.

## References

- Glancy, P. A., 1971, Water-resources appraisal of Antelope Valley and East Walker Area, Nevada and California: Nevada Dept. Conserv. and Nat. Resources, Water Resources--Reconn. Ser. Rept. 53, 69 p.
- Harrill, J. R., 1970, Water-resources appraisal of the Granite Springs Valley area, Pershing, Churchill, and Lyon Counties, Nevada: Nevada Dept. Conserv. and Nat. Resources, Water Resources--Reconn. Ser. Rept. 55, 36 p.
- \_\_\_\_\_, 1971, Water-resources appraisal of the Pilot Creek Valley area, Elko and White Pine Counties, Nevada: Nevada Dept. Conserv. and Nat. Resources, Water Resources--Reconn. Ser. Rept. 56, 46 p.
- \_\_\_\_\_, 1972, Evaluation of the water resources of Lemmon Valley with emphasis on effects of ground-water development to 1971: Nevada Dept. Conserv. and Nat. Resources, Water Resources Bull. 42, 130 p.
- \_\_\_\_\_, 1972, Water-level changes associated with ground-water development in Las Vegas Valley, Nevada, 1971-72, First progress report: U.S. Geol. Survey open-file report, 25 p.
- \_\_\_\_\_, 1973, Water-level changes associated with ground-water development in Las Vegas Valley, Nevada, 1972-73, Second progress report: U.S. Geol. Survey open-file report, 39 p.
- \_\_\_\_\_, 1974, Water-level changes associated with ground-water development in Las Vegas Valley, Nevada, 1973-74, Third progress report: U.S. Geol. Survey open-file report, 36 p.
- Rush, F. E., 1968, Index of hydrographic areas: Nevada Dept. Conserv. and Nat. Resources, Water Resources--Inf. Ser. Rept. 6, 38 p.
- Rush, F. E., 1970, Regional ground-water systems in the Nevada Test Site area, Nye, Lincoln, and Clark Counties, Nevada: Nevada Dept. Conserv. and Nat. Resources, Water Resources--Reconn. Ser. Rept. 54, 25 p.
- Rush, F. E., and Katzer, T. L., 1973, Water-resources appraisal of Fish Lake Valley, Nevada and California: Nevada Dept. Conserv. and Nat. Resources, Water Resources--Reconn. Ser. Rept. 58, 70 p.



## References--Continued.

- Van Denburgh, A. S., Lamke, R. D., and Hughes, J. L., 1973, A brief water-resources appraisal of the Truckee River basin, Western Nevada: Nevada Dept. Conserv. and Nat. Resources, Water Resources--Reconn. Ser. Rept. 57, 122 p.
- Van Denburgh, A. S., and Rush, F. E., 1974, Water-resources appraisal of Railroad and Penoyer Valleys, East-Central Nevada: Nevada Dept. Conserv. and Natural Resources, Water Resources--Reconn. Ser. Rept. 60, 61 p.

## NEW MEXICO

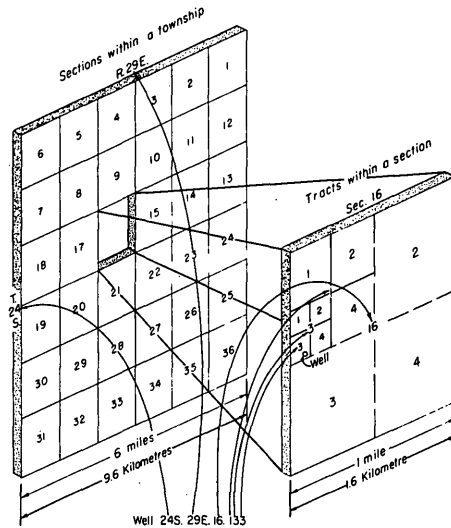
The observation-well program, which has been in progress in New Mexico since 1925, was continued during 1971 through 1974 in cooperation with the State Engineer of New Mexico. About 1,600 wells are measured annually and published in the Technical Report Series by the State Engineer. Figure 6 shows the 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.

#### Bernalillo County

##### Albuquerque Area

345730106431001. Local number 9N.2E.34.322. Formerly 9.2E.34.322. Denison Farm. Drilled irrigation water-table well in Santa Fe Group, diam 12 in (30 cm), depth unknown, cased to 12 ft (4 m). Lsd 4,910 ft (1,497 m) above msl. MP top of casing, 1.38 ft (0.42 m) above lsd. Highest water level 11.22 ft (3.42 m) below lsd, Aug. 10, 1973; lowest 16.30 ft (4.97 m) below lsd, Jan. 12, 1967. Records available: 1956-74. Aug. 2, 1971, 12.03; Aug. 2, 1972, 14.36; Jan. 2, 1973, 12.66; Aug. 10, 11.22; Jan. 4, 1974, 12.48; Aug. 5, 11.75.

350655106395001 (revised). Local number 10N.2E.12.223. Formerly 10.2E.12.223. City of Albuquerque. Drilled observation water-table well in alluvium and Santa Fe Group, diam 6 in (15 cm), depth 950 ft (290 m), casing information not available. Lsd 4,962 ft (1,512 m) above msl. MP top north side of casing, 6.00 ft (1.83 m) above lsd. Highest water level 12.10 ft (3.69 m) below lsd, Apr. 16, 1953; lowest 34.74 ft (10.59 m) below lsd, Aug. 31, 1964. Records available: 1953, 1957-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14, 1971	19.17	Feb. 1, 1972	21.02	Jan. 2, 1973	18.88	Jan. 3, 1974	26.03
Aug. 2	32.07	Aug. 2	32.54	Aug. 10,	b26.44	Aug. 5	c36.22

b Well pumped recently.

c Nearby well being pumped.

35045106403001. Local number 10N.2E.24.413. Formerly 10.2E.24.413. City of Albuquerque. Drilled observation water-table well in alluvium and Santa Fe Group, diam 6 in (15 cm), depth and casing information not available. Lsd 4,945 ft (1,507 m) above msl. MP top east side of casing, 5.50 ft (1.68 m) above lsd. Highest water level 18.52 ft (5.64 m) below lsd, Aug. 5, 1974; lowest 22.51 ft (6.86 m) below lsd, Oct. 7, 1961. Records available: 1956-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1971	19.92	Feb. 1, 1972	19.27	Jan. 4, 1973	19.32	Jan. 4, 1974	18.65
Aug. 2	19.62	Aug. 2	19.59	Aug. 10	18.78	Aug. 5	18.52

### Chaves County

#### Roswell Basin

334645104344501. Local number 7S.23E.23.244. Formerly 7.23.23.244. Jess Corn. Drilled irrigation artesian well in San Andres Limestone of Permian age, diam 14 in (36 cm), depth 426 ft (130 m), cased to 426 ft (130 m). Lsd 3,810 ft (1,161 m) above msl. MP lower outer edge of mouth of discharge pipe, 3.71 ft (1.13 m) above lsd. Highest water level 239.83 ft (73.10 m) below lsd, May 26, 1951; lowest 285.65 ft (87.07 m) below lsd, Aug. 23, 1972. Records available: 1951-60, 1962-66, 1968-74. Jan. 11, 1971, 280.19; Aug. 6 (well being pumped); Aug. 23, 1972, 285.65; Jan. 5 1973, 281.30; Aug. 21 (well being pumped); Jan. 11, 1974, 283.35; Aug. 5 (well being pumped).

331930104261001. Local number 11S.25E.29.343. Valle Ranch. Drilled irrigation water-table well in valley fill, diam unknown, depth 160 ft (49 m), cased to 160 ft (49 m). Lsd 3,535 ft (1,077 m) above msl. MP edge of pumpbase, southeast corner, at lsd. Records available: 1974. Replaces well 11S.25E.29.444. Aug. 22, 1974, 20.36.

331915104275001. Local number 11S.25E.29.444. Formerly 11.25.29.444. G. C. Wheeler. Drilled unused water-table well in valley fill, diam 6 in (15 cm), depth 30 ft (9 m), cased to 30 ft (9 m). Lsd 3,520 ft (1,073 m) above msl. MP top of casing, 0.92 ft (0.28 m) above lsd. Highest water level 3.14 ft (0.96 m) below lsd, Mar. 15, 1942; lowest 17.48 ft (5.33 m) below lsd, Jan. 8, 1974. Records available: 1937-74. Measurement discontinued. Replaced by well 11S.25E.29.343. Jan. 21, 1971, 15.12; Aug. 6, 16.50; Jan. 12, 1972, 14.91; Aug. 23, 14.28; Jan. 12, 1973, 13.39; Aug. 21, 14.32; Jan. 8, 1974, 17.48.

332200104270001. Local number 12S.25E.9.422. Formerly 12.25.9.422. Cumberland township. Drilled unused water-table well in valley fill, diam 10 in (25 cm), reported depth 90 ft (27 m), cased to 90 ft (27 m). Lsd 3,564 ft (1,086 m) above msl. MP top of 3/4-in (1.9-cm) pipe collar, 0.62 ft (0.19 m) above lsd. Highest water level 38.64 ft (11.78 m) below lsd, Oct. 16, 1941; lowest 83.06 ft (25.32 m) below lsd, Aug. 21, 1973. Records available: 1937-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21, 1971	77.23	Jan. 12, 1972	78.39	Jan. 12, 1973	78.16	Jan. 8, 1974	77.87
Aug. 6	80.61	Aug. 23	81.51	Aug. 21	83.06	Aug. 6	79.81

331205104245101. Local number 12S.25E.23.344. Formerly 12.25.23.344. Orchard Park "A". Drilled observation artesian well in San Andres Limestone, diam 9 to 7 1/2 in (23 to 18 cm), depth 930 ft (283 m), depth to San Andres aquifer 710 ft (216 m), 9-in (23-cm) casing 0-304 ft (0-93 m), 7-1/2 in (18-cm) casing 304-714 ft (93-218 m). Lsd 3,539.00 ft (1,078.69 m) above msl. MP top of recorder shelf, 2.90 ft (0.88 m) above lsd. Highest water level (revised), e20.68 ft (6.30 m) below lsd, Feb. 10, 1968; lowest 174.04 ft (53.05 m) below lsd, June 5, 1973. Records available: 1966-74.

#### Highest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	31.83	44.28	e85.00	136.86	125.06	137.28	153.26	78.19	105.46	56.98	41.01	e33.60
10	31.07	47.64	e86.00	136.84	107.78	134.91	164.40	67.99	121.56	55.65	38.57	e34.80
15	29.88	48.41	82.82	124.01	113.29	138.48	163.84	60.96	133.73	55.09	30.73	e36.00
20	e30.03	67.22	107.85	121.66	110.03	147.47	161.51	60.98	123.74	52.43	30.73	34.88
25	e30.18	79.41	117.57	106.51	119.12	149.74	147.68	86.31	100.39	48.20	e31.20	33.73
Eom	e34.97	e83.80	129.09	124.88	137.34	156.61	100.87	99.51	63.72	41.67	e32.40	33.82

#### 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	31.68	33.32	e90.25	144.62	118.27	133.21	134.04	158.57	e93.81	91.13	37.06	32.89
10	30.68	37.02	e94.40	145.09	e117.49	156.90	119.78	158.27	e72.50	79.19	41.65	32.36
15	30.39	36.48	e118.55	143.65	e129.69	146.80	132.60	151.75	e65.00	60.42	30.09	31.54
20	30.40	e50.63	132.73	143.65	e131.89	117.00	143.77	151.68	59.68	54.38	35.55	30.44
25	33.62	e64.78	143.78	129.23	139.10	131.60	148.74	146.50	57.89	44.45	35.06	29.89
Eom	33.24	e76.10	143.94	119.01	138.00	143.70	158.70	e117.76	77.74	40.04	33.96	28.76

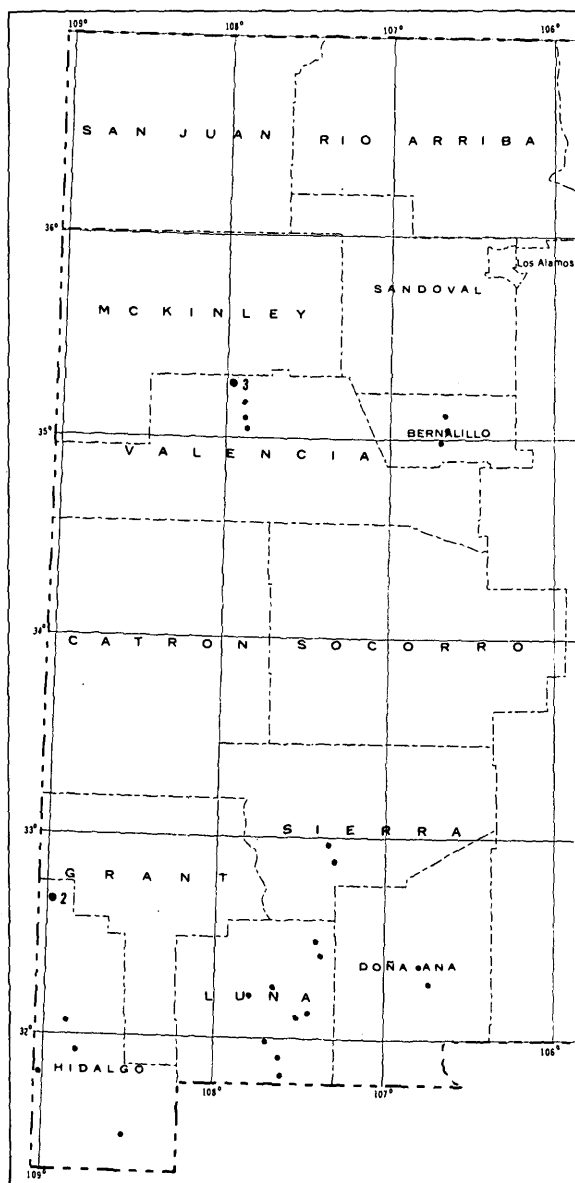
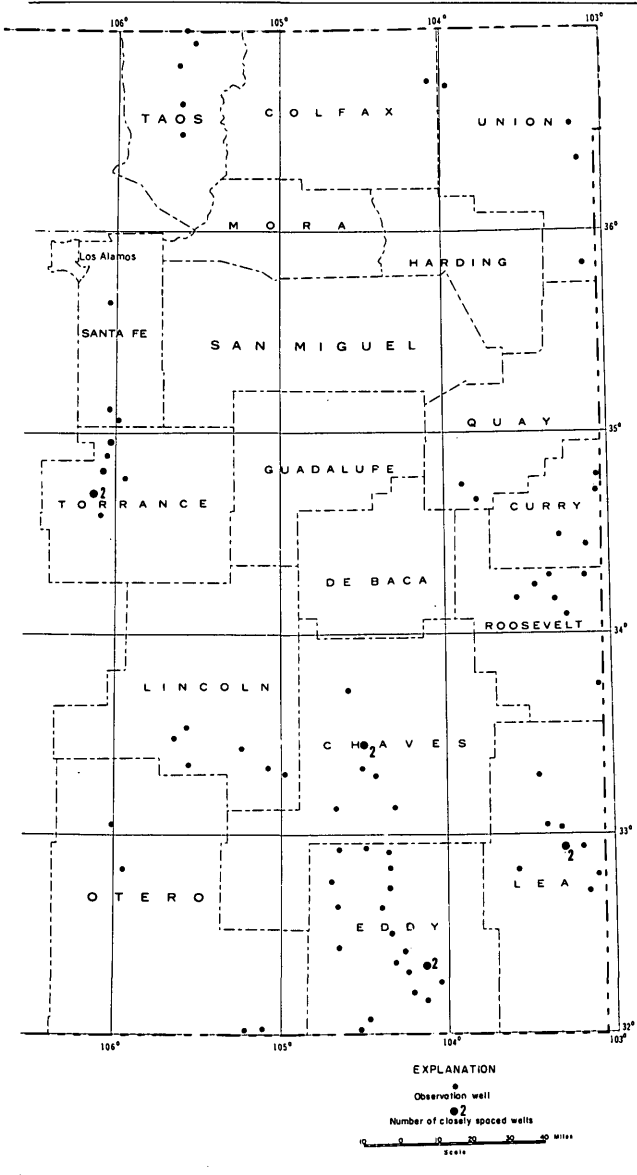


Figure 6.--Location of observation



wells in New Mexico, 1971-74.

331205104245101--Continued.

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	28.13	25.20	33.50	123.40	119.38	174.04	119.80	111.83	151.04	103.30	49.58	37.09
10	27.82	24.90	41.30	120.30	119.38	128.74	119.81	127.43	127.37	92.58	46.56	35.66
15	27.43	25.71	41.30	127.20	119.39	128.77	119.81	142.60	112.81	77.87	45.10	36.90
20	27.00	27.01	77.20	127.00	119.39	121.78	153.74	147.68	105.44	63.77	43.13	33.58
25	25.90	26.10	88.00	122.00	121.92	119.80	146.41	159.45	104.22	.....	40.23	32.23
Eom	25.30	28.49	120.40	122.54	144.84	119.80	117.36	152.90	105.85	53.77	38.15	31.92

1974

5	33.10	31.15	65.79	.....	104.28	147.20	.....	145.84	79.08	47.60	37.48	31.55
10	33.23	35.22	65.59	.....	109.49	.....	.....	136.31	82.01	44.60	35.67	30.70
15	32.68	44.31	65.79	.....	97.46	.....	e158.07	141.81	99.94	43.70	34.58	29.97
20	32.73	45.76	.....	128.10	98.74	e161.62	.....	149.90	77.90	41.00	33.47	28.28
25	33.07	47.13	.....	119.06	118.49	.....	150.70	92.45	57.23	39.61	32.96	28.82
Eom	32.29	61.22	.....	120.02	134.98	.....	156.91	83.25	50.80	37.74	32.19	28.41

e Estimated.

330700104402501. Local number 14S.23E.8.144. Formerly 14.23.8.144. M. D. Kincaid. Drilled stock water-table well in San Andres Limestone of Permian age, diam 8 in (20 cm), depth 460 ft (140 m), casing information not available. Lsd 3,845 ft (1,172 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 257.55 ft (78.50 m) below lsd, Feb. 9, 1943; lowest 327.34 ft (99.77 m) below lsd, Aug. 28, 1967. Records available: 1940-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1971	315.99	Jan. 13, 1972	317.66	Jan. 17, 1973	316.42	Jan. 22, 1974	317.76
Aug. 5	320.04	Aug. 23	323.10	Aug. 21	321.06	Aug. 22	323.95

330640104174501. Local number 14S.26E.12.433b. Formerly 14.26.12.433b. C. B. Donaghay. Drilled irrigation water-table well in valley fill, diam 13 in (33 cm), depth 125 ft (38 m), cased 0-125 ft (0-38 m), perforated 50-115 ft (15-35 m). Lsd 3,396.4 ft (1,035.2 m) above msl. MP top of casing, at lsd. Highest water level 12.50 ft (3.81 m) below lsd, Jan. 22, 1942; lowest 23.77 ft (7.25 m) below lsd, Aug. 25, 1967. Records available: 1940-74. Jan. 26, 1971, 18.54; Aug. 6, 1953; Jan. 12, 1972, 18.31; Aug. 23, 18.32; Jan. 15, 1973, 18.63; Jan. 11, 1974, 19.22; Aug. 14, 22.20.

Colfax County

## Capulin Basin

364500104031501. Local number 29N.27E.16.222. Formerly 29.27.16.222. John King. 200 ft (61 m) north of U.S. Highway 64-87. Drilled unused water-table well in alluvium, diam 8 in (20 cm), depth 120 ft (37 m), cased to 120 ft (37 m). Lsd 6,821.5 ft (2,079.2 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 4.65 ft (1.42 m) below lsd, Feb. 3, Aug. 24, 1960; lowest 8.65 ft (2.64 m) below lsd, Aug. 1, 1974. Records available: 1957-69, 1971-74. Aug. 6, 1971, 7.76; Jan. 7, 1972, 8.19; Aug. 8, 8.29; Jan. 31, 1973, 7.81; Aug. 21, 6.49; Jan. 8, 1974, 6.98; Aug. 1, 8.65.

Costilla County (in Colorado)

## Sunshine Valley

375655105354001. Local number 1N.74E.33.322. Formerly 1N.74.33.322. Waller and Allen. Drilled unused water-table well in Santa Fe Group, diam 15 in (38 cm), depth 232 ft (71 m), casing information not available. Lsd 7,495 ft (2,284 m) above msl. MP edge of hole inside pumpcase, 2.00 ft (0.61 m) above lsd (since 1971). Highest water level 101.82 ft (31.03 m) below lsd, Aug. 26, 1968; lowest 134.87 ft (41.11 m) below lsd, Aug. 19, 1971. Records available: 1966-74.

Feb. 4, 1971	126.40	Feb. 16, 1972	120.44	Feb. 22, 1973	109.16	Feb. 20, 1974	102.02
Aug. 19	134.87	Aug. 2	128.42	Aug. 21	128.85	Aug. 2	130.95

Curry County

## Clovis Area

342815103270001. Local number 3N.34E.23.433. Formerly 3.34.23.433. Monte Matlock. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 16 in (41 cm), depth 418 ft (127 m), cased to 418 ft (127 m), perforated 365-418 ft (113-127 m). Lsd 4,432 ft (1,351 m) above msl. MP top of casing level with concrete base, 0.40 ft (0.12 m) above lsd (since 1971). Highest water level 340.62 ft (103.82 m) below lsd, Mar. 16, 1957; lowest 345.93 ft (105.44 m) below lsd, Aug. 12, 1974. Records available: 1954-74.

Jan. 5, 1971	343.92	Jan. 5, 1972	344.46	Jan. 3, 1973	344.85	Jan. 3, 1974	345.55
Aug. 17	341.80	Aug. 2	344.66	Aug. 7	345.30	Aug. 12	345.93

342715103091001. Local number 3N.36E.27.413. Formerly 3.36.27.413. C. H. Moore-Oliver Co. Drilled irrigation water-table well in Ogallala Formation of Pliocene age, diam 16 in (41 cm), depth 416 ft (127 m), cased to 416 ft (127 m). Lsd 4,312 ft (1,316 m) above msl. MP top of casing, 1.41 ft (0.43 m) above lsd. Highest water level 286.05 ft (87.19 m) below lsd, Jan. 24, 1955; lowest 370.78 ft (113.01 m) below lsd, Aug. 17, 1971. Records available: 1954-67, 1971-72. Measurement discontinued. Aug. 17, 1971, 370.78; Aug. 2, 1972 (well being pumped).

334800103052001. Local number 6N.37E.8.333. Paul Harrison. Drilled irrigation water-table well in Ogallala Formation, diam 16 in (41 cm), depth 400 ft (122 m), casing information not available. Lsd 4,430 ft (1,350 m) above msl. MP southeast anchor bolt hole 0.10 ft (0.03 m) above concrete base, 0.70 ft (0.21 m) above lsd. Records available: 1974. Jan. 3, 1974, 289.90.

344710103031501. Local number 7N.37E.32.131. Formerly 7N.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 (1,341 m) above msl. MP water jacket plug 1 ft (0.3 m) above concrete base, 2.50 ft (0.76 m) above lsd (since Jan. 5, 1971). Highest water level 224.54 ft (68.44 m) below lsd, Jan. 27, 1955; lowest 246.22 ft (75.05 m) below lsd, Jan. 4, 1972. Records available: 1954-62, 1964-74. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1971	245.56	Jan. 4, 1972	246.22	Jan. 3, 1973	243.90	January 1974	(a)
Aug. 17	244.96	Aug. 2	(a)	Aug. 7	(a)	August	(a)

a<sup>a</sup> Well being pumped.

### Doña Ana County

#### Rincon and Mesilla Valleys

322210106483001. Local number 22S.1E.26.411. Formerly 22.1E.26.411. H. Worthheim Estate. Drilled irrigation water-table well in valley fill, diam 18 in (46 cm), depth 107 ft (33 m), cased to 107 ft (33 m). Lsd 3,920 ft (1,195 m) above msl. MP top of east side of casing, 1.50 ft (0.46 m) above lsd. Highest water level 11.32 ft (3.45 m) below lsd, Aug. 25, 1969; lowest 25.57 ft (7.79 m) below lsd, Apr. 25, 1957. Records available: 1957-74.

Jan. 2, 1971	13.28	Feb. 10, 1972	13.95	Jan. 26, 1973	15.83	Jan. 23, 1974	14.30
Aug. 12	13.96	Aug. 9	17.62	Aug. 13	14.73	Aug. 8	13.07

321620106461501. Local number 23S.2E.31.213. Formerly 23.2E.31.213. New Mexico State University. Drilled irrigation water-table well in valley fill, diam 14 in (36 cm), reported depth 70 ft (21 m), cased to 70 ft (21 m). Lsd 3,880 ft (1,183 m) above msl. MP top of 5/8-in (0.63-cm) hole in pumpbase, 1.08 ft (0.33 m) above lsd. Highest water level 13.16 ft (4.01 m) below lsd, Dec. 3, 1947; lowest 29.12 ft (8.88 m) below lsd, Jan. 7, 1958. Records available: 1947-48, 1957-74.

Jan. 21, 1971	20.33	Feb. 10, 1972	21.80	Jan. 23, 1973	24.43	Jan. 23, 1974	23.79
Aug. 12	20.86	Aug. 9	24.76	Aug. 13	24.02	Aug. 7	22.74

### Eddy County

#### Roswell Basin

325510104410001. Local number 16S.23E.15.323. Formerly 16.23.15.323. D. W. Runyan. Drilled stock water-table well in San Andres Limestone of Permian age, diam 10 in (25 cm), depth 1,485 ft (453 m), cased. Lsd 3,900 ft (1,189 m) above msl. MP top of casing, 0.70 ft (0.21 m) above lsd. Highest water level 211.87 ft (64.58 m) below lsd, Mar. 25, 1945; lowest 277.60 ft (84.61 m) below lsd, Aug. 5, 1971. Records available: 1940-65, 1970-71, 1974. No measurement made in 1972-73. Aug. 5, 1971, 277.60; Jan. 28, 1974, 274.99.

325735104360701. Local number 16S.24E.4.231. Ellis Hunlic. Drilled irrigation artesian well in San Andres Limestone, diam unknown, depth 610 ft (186 m), casing depth unknown. Lsd 3,623 ft (1,104 m) above msl. MP southwest side of pump, 1.50 ft (0.46 m) above lsd. Highest water level 90.85 ft (27.69 m) below lsd, Jan. 16, 1970; lowest 100.54 ft (30.64 m) below lsd, Aug. 27, 1974. Records available: 1969-74.

Jan. 15, 1969	94.07	Jan. 20, 1971	93.74	Aug. 31, 1972	99.23	Jan. 21, 1974	94.74
Jan. 16, 1970	90.85	Jan. 14, 1972	94.22	Aug. 21, 1973	97.43	Aug. 27	100.54

325712104314501. Local number 16S.25E.6.313. Formerly 16.25.6.313. Frank Childress. Drilled unused water-table well in valley fill, diam 20 in (51 cm), depth 39 ft (12 m), cased to 39 ft (12 m). Lsd 3,600 ft (1,097 m) above msl. MP top of 20-in (51-cm) wood cribbing, 0.40 ft (0.12 m) above lsd. Highest water level 24.41 ft (7.44 m) below lsd, July 17, 1961; lowest 30.62 ft (9.33 m) below lsd, Aug. 9, 10, 1954. Records available: 1937-66, 1968-74.

Jan. 25, 1971	30.24	Jan. 14, 1972	30.03	Jan. 18, 1973	29.64	Jan. 10, 1974	29.18
Aug. 5	30.20	Aug. 31	29.54	Aug. 21	30.20	Aug. 7	29.94

325445104253501. Local number 16S.26E.19.211. Formerly 16.26.19.211. H. V. Parker. Drilled irrigation water-table well in valley fill; diam 12 in (30 cm); depth and casing information not available, previously reported depth 107 ft (33 m), depth to 107 ft (33 m). Lsd 3,397.9 ft (1,035.7 m) above msl. MP top of casing, at lsd. Highest water level 9.34 ft (2.85 m) below lsd, Jan. 15, 1942; lowest 109.00 ft (33.22 m) below lsd, Aug. 31, 1972. Records available: 1938-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1971	90.18	Jan. 13, 1972	94.45	Jan. 18, 1973	93.80	Jan. 10, 1974	95.93
Aug. 5	(a)	Aug. 31	109.00	Aug. 21	99.94	Sept. 20	96.40

a Well being pumped.

324831104435701. Local number 17S.23E.30.123. Village of Hope. Drilled public-supply artesian well in principal artesian aquifer, diam 16 in (41 cm), depth 600 ft (183 m), cased to 558 ft (170 m), perforated 498-558 ft (152-170 m). Lsd 4,095 ft (1,248 m) above msl. MP top of 2-in (5.1-cm) pipe extending out of north side of concrete base, 2.00 ft (0.61 m) above lsd. Highest water level 546.15 ft (166.47 m) below lsd, Dec. 31, 1968; lowest 553.18 ft (168.61 m) below lsd, Aug. 7, 1974. Records available: 1968, 1970-74. No measurement made in 1969. Replaces well 19S.23E.27.111.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 31, 1968	546.15	Jan. 13, 1972	550.08	Jan. 19, 1973	549.61	Jan. 22, 1974	550.16
Jan. 20, 1970	546.58	Aug. 31	552.97	Aug. 24	551.73	Aug. 7	553.18
Jan. 18, 1971	548.51						

324930104234501. Local number 17S.26E.21.112. Formerly 17.26.21.112. Western Land Co., Inc. Drilled irrigation water-table well in Artesia Group, diam 12 in (30 cm), depth 242 ft (74 m), cased to 242 ft (74 m). Lsd 3,373 ft (1,028 m) above msl. MP 3/4-in (1.9-cm) plug on discharge pipe, 2.00 ft (0.61 m) above lsd. Highest water level 43.23 ft (13.18 m) below lsd, Jan. 13, 1955; lowest 106.28 ft (32.39 m) below lsd, Aug. 16, 1974. Records available: 1955-58, 1960-74. Aug. 5, 1971, 100.82; Aug. 31, 1972, 101.31; Jan. 12, 1973, 86.71; Sept. 26, 103.75; Jan. 9, 1974, 96.66; Aug. 16, 106.28.

324615104421001. Local number 18S.23E.5.333. Formerly 18.23.5.333. Joe Clements. Drilled stock water-table well in San Andres Limestone of Permian age, diam 6 in (15 cm), depth 500 ft (152 m), surface casing. Lsd 4,007.6 ft (1,221.5 m) above msl. MP top of casing, 0.40 ft (0.12 m) above lsd. Highest water level 385.50 ft (117.50 m) below lsd, July 21, 1945; lowest 478.73 ft (145.92 m) below lsd, Jan. 14, 1969. Records available: 1945-74. Jan. 19, 1971, 472.10; Aug. 5, 472.18; Jan. 14, 1972, 474.50; Aug. 31, 473.69; Jan. 19, 1973, 472.64; Aug. 24, 473.43; Jan. 22, 1974, 475.60.

324624104244501. Local number 18S.26E.6.442a. Formerly 18.26.6.442a. Artesia "A". Drilled observation artesian well in San Andres Limestone, diam 9 in (23 cm), depth 1,008 ft (307 m), cased to 726 ft (221 m), depth to artesian aquifers 768 ft (234 m), 820 ft (250 m), 889 ft (271 m), and 999 ft (305 m). Lsd 3,402.10 ft (1,036.96 m) above msl. MP top of recorder shelf, 3.40 ft (1.04 m) above lsd. Highest water level 71.79 ft (21.88 m) below lsd, Jan. 26, 1962; lowest 209.15 ft (63.75 m) below lsd, July 31, 1966. Records available: 1961-74.

Highest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	91.27	89.84	96.83	135.97	133.32	155.64	165.86	152.76	141.71	136.19	113.86	e101.97
10	89.97	89.55	104.71	140.39	129.16	155.74	180.03	143.74	149.83	129.42	111.23	e100.12
15	89.78	90.18	109.76	138.15	131.97	158.51	183.16	140.64	155.80	125.94	109.09	e98.27
20	88.58	93.99	123.17	133.00	133.38	156.55	181.09	141.15	152.79	122.27	e107.52	98.01
25	88.25	95.43	131.62	128.47	143.71	160.39	179.39	143.18	141.47	118.81	e105.67	97.01
Eom	88.76	98.39	135.45	134.90	148.88	165.22	168.70	138.29	140.90	115.69	e103.82	96.56

1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	94.34	88.98	103.98	146.34	140.71	144.98	166.06	184.03	142.43	132.50	110.35	99.40
10	92.79	88.99	111.69	146.22	141.69	152.25	160.76	182.25	135.34	128.80	108.02	98.34
15	92.46	90.35	122.69	143.10	140.79	153.80	165.86	174.65	132.63	125.21	106.03	97.32
20	91.22	91.37	133.84	138.77	145.97	147.41	173.21	163.58	126.95	120.60	104.82	95.51
25	90.70	94.17	148.43	136.63	145.06	153.77	174.91	165.20	124.60	117.12	102.84	94.57
Eom	89.67	99.99	151.28	137.06	144.39	164.83	176.89	154.05	131.38	112.89	101.31	93.10

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	92.14	86.39	.....	133.44	133.84	145.12	173.13	152.67	164.93	150.34	120.46	106.93
10	90.82	85.23	.....	133.44	133.37	151.38	e175.51	162.01	154.45	141.93	117.78	105.06
15	89.82	85.59	.....	.....	121.10	149.07	e172.72	167.78	150.27	137.05	116.37	103.89
20	88.53	85.11	.....	.....	119.43	148.51	169.93	172.74	150.66	131.72	113.57	102.59
25	87.85	83.55	116.91	137.32	130.02	151.64	157.88	184.16	150.15	129.08	110.38	100.29
Eom	86.63	84.06	129.07	133.92	140.23	163.48	149.27	173.29	152.02	123.35	109.07	99.23

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	98.28	97.06	103.50	149.45	135.26	162.62	182.03	188.79	159.85	133.28	.....	104.59
10	98.41	97.49	108.70	152.22	136.08	165.44	181.24	190.35	163.58	129.55	.....	102.88
15	97.91	100.01	116.19	146.89	135.32	177.56	178.12	191.52	166.28	126.11	.....	101.41
20	97.02	99.43	125.64	147.10	137.87	178.25	184.58	190.93	160.68	123.02	.....	100.15
25	98.22	101.96	129.03	146.81	153.29	180.29	187.27	172.88	144.14	.....	.....	98.84
Eom	98.09	103.76	143.89	143.72	159.71	183.83	192.68	160.45	137.76	.....	.....	97.17

e Estimated.

324325104233001. Local number 18S.26E.28.121a. Formerly 18.26.28.121a. Town of Dayton. Drilled observation water-table well in valley fill, diam 8 in (20 cm), depth 250 ft (76 m), cased to 182 ft (55 m), casing slotted 92-182 ft (28-55 m). Lsd 3,403 ft (1,037 m) above msl. MP top of casing, 0.06 ft (0.02 m) above lsd. Highest water level 59.79 ft (18.22 m) below lsd, Feb. 5, 1952; lowest 116.65 ft (35.55 m) below lsd, Dec. 31, 1974. Records available: 1951-74.



324325104233001--Continued.

## Highest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	113.70	113.53	113.55	113.70	113.72	113.79	113.89	114.01	114.08	114.22	114.17	114.31
10	113.71	113.47	113.57	113.65	113.80	113.84	113.90	114.02	114.10	114.15	114.24	114.25
15	113.76	113.51	113.69	113.58	113.78	113.87	113.91	114.05	114.07	114.13	114.26	114.34
20	113.63	113.51	113.52	113.70	113.75	113.89	113.94	114.03	114.05	114.22	114.23	114.30
25	113.59	113.50	113.66	113.73	113.79	113.85	113.95	114.06	114.07	114.18	114.24	114.31
Eom	113.56	113.59	113.59	113.83	113.84	113.93	113.93	114.03	114.12	114.19	114.31	114.34

1972

5	e114.36	e114.42	114.60	114.57	114.63	114.65	114.70	114.81	114.81	114.94	114.90	115.00
10	e114.37	e114.43	114.50	114.60	114.65	114.65	114.71	114.81	114.87	114.99	115.01	115.17
15	e114.38	e114.44	114.55	114.68	114.67	114.71	114.73	114.85	114.87	114.96	114.98	115.22
20	e114.39	114.50	114.56	114.64	114.70	114.68	114.78	114.84	114.91	114.94	115.06	115.02
25	e114.40	114.50	114.50	114.50	114.61	114.67	114.74	114.85	114.93	114.94	115.07	115.12
Eom	e114.41	114.40	114.59	114.64	114.61	114.66	114.76	114.84	114.90	115.08	115.09	115.17

1973

5	115.16	115.21	115.14	115.27	115.29	115.50	115.49	115.51	115.64	115.70	115.80	115.86
10	115.11	115.15	115.17	115.28	115.38	115.38	115.51	115.55	115.66	115.68	115.77	115.77
15	115.14	115.27	115.35	115.27	115.36	115.43	115.50	115.55	115.62	115.70	115.82	115.92
20	115.08	115.28	115.28	115.31	115.38	115.51	115.49	115.60	115.64	115.70	115.75	115.82
25	115.13	115.27	115.32	115.36	115.36	115.42	115.56	115.59	115.64	115.71	115.77	115.79
Eom	115.00	115.15	115.33	115.30	115.40	115.45	115.56	115.59	115.66	115.71	115.82	115.76

1974

5	115.81	115.83	115.99	116.02	116.11	116.13	116.27	116.16	116.28	.....	116.49	116.52
10	115.88	115.96	116.02	.....	116.06	116.24	116.26	116.24	116.28	.....	116.51	116.48
15	115.90	115.99	115.99	.....	116.12	116.21	116.26	116.25	116.31	.....	116.43	116.57
20	115.87	115.91	115.99	116.02	116.12	116.23	.....	116.25	116.35	.....	116.59	116.63
25	115.82	115.96	116.01	116.04	116.15	116.23	116.19	116.29	116.32	116.50	116.47	116.63
Eom	115.96	115.95	115.96	116.16	116.14	116.22	116.17	116.27	116.38	116.50	116.57	116.65

e Estimated.

323820104411001. Local number 19S.23E.27.111. Formerly 19.23.27.111. C. R. Coffin. Drilled stock water-table well in San Andres Limestone of Permian age, diam 7 in (18 cm), depth 416 ft (127 m), surface casing. Lsd 3,940 ft (1,201 m) above msl. MP top of casing, 0.40 ft (0.12 m) above lsd. Highest water level 368.75 ft (112.40 m) below lsd, Oct. 19, 1943; lowest 394.40 ft (120.21 m) below lsd, Aug. 10, 1970. Records available: 1940-71. Measurement discontinued. Replaced by well 17.23.30.123. Aug. 5, 1971, 393.61.

323810104220001. Local number 19S.26E.27.142. Formerly 19.26.27.142. Lakewood School. Drilled domestic water-table well in valley fill, diam 8 in (20 cm), depth 127 ft (39 m), cased to 127 ft (39 m). Lsd 3,290 ft (1,003 m) above msl. MP top of casing, 1.58 ft (0.48 m) above lsd. Highest water level 37.63 ft (11.47 m) below lsd, May 11, 1942; lowest 87.92 ft (26.80 m) below lsd, Aug. 5, 1965. Records available: 1937-39, 1941-66, 1969-72. Measurement discontinued. Aug. 10, 1971, 82.87; Jan. 12, 1972, 75.51; Aug. 31, 83.65.

323540104232001. Local number 20S.26E.8.121. Moutry well. Drilled irrigation water-table well in valley fill, diam 13 in (33 cm), depth 364 ft (111 m), casing information not available. Lsd 3,286 ft (1,002 m) above msl. MP top of basal flange of pump head, 0.20 ft (0.06 m) above lsd. Highest water level 24.15 ft (7.36 m) below lsd, Jan. 12, 1942; lowest 87.48 ft (26.66 m) below lsd, Aug. 5, 1974. Records available: 1938-56, 1958-70, 1972-74. No measurement made in 1957, 1971.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1938	30.08	Jan. 5, 1950	41.26	Jan. 25, 1962	64.15	Jan. 25, 1966	69.80
Jan. 10, 1939	28.98	Jan. 8, 1951	39.76	Jan. 8, 1963	66.88	Sept. 26	71.25
Jan. 6, 1940	31.74	Jan. 7, 1952	45.11	July 24	a107.88	Jan. 29, 1967	68.08
Jan. 10, 1941	34.39	Jan. 7, 1953	48.00	Aug. 13	81.18	Jan. 2, 1968	70.60
Jan. 12, 1942	24.15	Jan. 8, 1954	54.10	Sept. 4	72.64	Jan. 13, 1969	69.91
Jan. 29, 1943	25.87	Jan. 11, 1955	50.44	Oct. 10	a101.01	Jan. 12, 1970	68.74
Jan. 5, 1944	33.09	Jan. 31, 1956	56.91	Nov. 20	67.11	Jan. 11, 1972	68.98
Jan. 4, 1945	33.00	Jan. 30, 1958	58.25	Jan. 9, 1964	66.32	Jan. 24, 1973	69.15
Jan. 10, 1946	37.21	Jan. 27, 1959	59.85	Sept. 15	84.07	Oct. 31	69.42
Jan. 9, 1947	37.84	Jan. 27, 1960	65.38	Jan. 5, 1965	70.70	Jan. 8, 1974	73.23
Jan. 13, 1948	45.19	Jan. 30, 1961	61.00	Sept. 22	c85.63	Aug. 5	87.48
Jan. 4, 1949	45.66						

a Well being pumped.

c Nearby well being pumped.

## Carlsbad Area

322640104165801. Local number 21S.27E.32.112. Formerly 21.27.32.112. L. E. Loman. Drilled domestic and irrigation artesian well in Capitan Limestone, diam 6 in (15 cm), reported depth 305 ft (93 m), casing information not available. Lsd 3,112 ft (949 m) above msl. MP top of casing, 0.40 ft (0.12 m) above lsd. Highest water level 4.64 ft (1.41 m) below lsd, Jan. 17, 1950; lowest 17.35 ft (5.29 m) below lsd, Aug. 9, 1974. Records available: 1947-74.

Jan. 13, 1971	13.32	Jan. 7, 1972	13.73	Jan. 4, 1973	12.20	Jan. 16, 1974	14.10
Aug. 10	15.00	Aug. 2	16.52	Aug. 9	13.56	Aug. 9	17.35

322638104165802. Local number 21S.27E.32.112a. Formerly 21.27.32.112a. Francis Tracy. Drilled irrigation water-table well in alluvium, diam 15 in (38 cm), reported depth 105 ft (32 m), cased to 105 ft (32 m). Lsd 3,112 ft (949 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 9.13 ft (2.78 m) below lsd, Nov. 22, 1960; lowest 17.50 ft (5.33 m) below lsd, Aug. 25, 1967. Records available: 1950-73. Measurement discontinued. Jan. 13, 1971, 14.77; Aug. 10, 14.95; Jan. 7, 1972, 14.87; Aug. 2, 16.14; Jan. 4, 1973, 14.63; Aug. 8, 14.82.

322120104151501. Local number 22S.26E.36.111a. Formerly 22.26.36.111a. Carlsbad Airfield 2. Drilled unwatered water-table well in alluvium, diam 12 in (30 cm), depth 260 ft (79 m), cased to 260 ft (79 m). Lsd 3,225 ft (983 m) above msl. MP top of recorder platform, 2.70 ft (0.82 m) above lsd. Highest water level 131.50 ft (40.08 m) below lsd, Oct. 14, 1942; lowest 207.75 ft (63.32 m) below lsd, Aug. 25, 1972. Records available: 1942-74.

Highest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	183.29	180.99	178.96	182.26	189.32	194.12	199.40	e204.35	201.35	199.38	196.63	e192.06
10	182.24	180.54	178.91	183.67	189.74	195.01	200.55	204.88	200.86	198.79	195.90	e191.16
15	181.73	180.00	179.12	185.08	190.25	195.82	201.35	204.70	200.04	198.31	195.03	e190.26
20	181.11	179.81	179.72	186.30	191.36	196.68	202.25	204.14	200.24	198.23	194.08	189.35
25	181.10	179.42	180.16	187.09	192.03	197.59	202.94	203.29	200.17	191.61	193.36	188.40
Eom	181.10	179.24	181.17	188.47	193.28	198.73	e203.71	202.17	200.01	196.97	192.69	187.53

1972

5	186.83	184.06	182.63	188.66	194.92	199.35	202.29	206.26	206.40	203.55	202.13	195.26
10	186.13	183.60	183.40	189.90	195.65	200.24	202.89	207.14	205.69	203.80	201.48	194.69
15	185.85	183.28	184.33	191.13	196.65	201.00	204.23	207.26	204.92	203.40	200.02	194.07
20	185.47	182.78	185.09	191.83	197.56	201.40	204.96	207.63	204.46	203.67	198.40	192.89
25	185.22	182.80	186.01	192.95	198.16	201.89	205.32	207.75	203.45	203.40	197.44	191.97
Eom	184.59	182.44	187.37	193.63	198.63	201.89	205.91	207.20	203.93	202.69	196.35	190.90

1973

5	190.00	185.44	182.30	182.61	182.61	194.12	197.86	197.78	199.99	197.33	195.17	189.07
10	189.24	184.79	181.70	182.61	192.00	195.10	198.87	197.40	199.98	196.86	194.40	180.37
15	188.49	184.00	181.48	182.61	192.57	195.47	199.25	197.34	200.06	196.62	193.66	187.11
20	187.50	183.83	182.03	182.61	192.68	195.92	199.53	197.65	199.27	196.45	192.04	186.14
25	186.79	183.21	182.59	182.61	192.83	196.67	199.40	198.22	198.02	195.96	191.03	185.23
Eom	185.89	182.71	182.59	182.61	193.71	197.22	198.63	199.20	197.54	195.57	190.22	184.65

1974

5	184.09	180.40	171.47	183.53	189.45	192.51	197.09	202.13	202.40	.....	.....	169.00
10	183.42	180.26	179.24	184.46	189.36	193.37	197.76	202.70	201.83	.....	.....	169.40
15	182.79	170.77	170.77	185.91	189.55	194.16	198.40	203.24	201.42	.....	.....	169.28
20	181.99	170.18	180.40	187.01	189.61	194.82	199.35	203.38	200.94	.....	.....	170.02
25	181.40	170.52	181.54	188.40	189.61	195.76	200.22	203.00	173.38	.....	.....	168.00
Eom	181.96	171.47	182.31	189.21	191.40	196.40	201.09	203.23	.....	.....	.....	168.40

e Estimated.

322231104131001. Local number 22S.27E.22.421. Formerly 22.27.22.421. Enea Grandi. Drilled irrigation water-table well in alluvium, diam 16 in (41 cm), reported depth 150 ft (46 m), cased. Lsd 3,100 ft (945 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 21.43 ft (6.53 m) below lsd, Sept. 15, 1950; lowest 71.23 ft (21.71 m) below lsd, Sept. 20, 1965. Records available: 1947-68, 1970-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1971	52.88	January 1972	55.32	Jan. 5, 1973	54.65	Jan. 14, 1974	50.13
Aug. 10	66.98	Aug. 2	67.35	Aug. 8	49.53	Aug. 9	64.80

321930104113301. Local number 23S.27E.09.211. Formerly 23.27.9.211. J. A. Cox. Formerly Jim Chadwick. Drilled irrigation water-table well in alluvium, diam 16 in (41 cm), depth 200 ft (61 m), casing information not available. Lsd 3,150 ft (960 m) above msl. MP top of casing, under pump-base, 1.25 ft (0.38 m) above lsd. Highest water level 41.70 ft (12.71 m) below lsd, Sept. 15, 1950; lowest 68.22 ft (20.79 m) below lsd, Jan. 28, 1969. Records available: 1949-53, 1956-74. No measurement made in 1954-55. (1956-70 records not previously published.)

Mar. 12, 1956	54.88	Nov. 28, 1958	54.27	Aug. 11, 1961	52.68	Sept. 7, 1965	54.18
May 2	c52.15	Jan. 8, 1959	54.98	Nov. 7	54.26	Jan. 12, 1966	56.50
July 9	a52.75	May 29	c53.07	Jan. 8, 1962	55.25	Sept. 22	53.69
Sept. 26	53.10	Aug. 18	52.44	May 11	c53.70	Jan. 26, 1967	55.42
Nov. 5	54.05	Nov. 17	54.30	Aug. 16	c53.30	Jan. 24, 1968	56.03
Jan. 9, 1957	55.43	Jan. 15, 1960	55.31	Nov. 15	54.54	Jan. 28, 1969	68.22
May 15	53.32	Mar. 21	55.14	Jan. 17, 1963	c55.42	Jan. 22, 1970	55.05
Aug. 8	53.01	May 26	53.02	Sept. 3	c53.22	Jan. 15, 1971	57.85
Nov. 29	54.58	Aug. 17	50.43	Jan. 16, 1964	55.50	Jan. 12, 1972	57.35
Jan. 16, 1958	55.35	Nov. 21	53.69	Aug. 27	54.18	Jan. 5, 1973	60.75
May 21	53.18	Jan. 6, 1961	b54.90	Jan. 13, 1965	56.57	Jan. 16, 1974	60.03
Aug. 8	52.41	May 24	53.36				

a Well being pumped.

b Well pumped recently.

c Nearly well being pumped.

321740104035501. Local number 23S.28E.23.133. Formerly 23.28.23.133. A. R. Donaldson. Drilled irrigation water-table well in alluvium, diam 16 in (41 cm), depth 148 ft (45 m), cased. Lsd 3,020 ft (921 m) above msl. MP bottom edge of north  $\frac{1}{4}$ -in (1.3-cm) hole in west side of pumpbase, 0.80 ft (0.24 m) above lsd. Highest water level 38.25 ft (11.66 m) below lsd, Sept. 14, 1950; lowest 70.73 ft (21.56 m) below lsd, Aug. 2, 1972. Records available: 1947-74.

321740104035501--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1971	49.02	Jan. 10, 1972	54.03	Jan. 12, 1973	53.68	Jan. 18, 1974	49.18
Aug. 10	58.02	Aug. 2	70.73	Aug. 8	49.39	Aug. 9	(a)

a Well being pumped.

320602104285201. Local number 25S.24E.27.421. Formerly 25.24.27.421. Walker Hood. Drilled irrigation water-table well in alluvium, diam 16 in (41 cm), depth 101 ft (31 m), uncased. Lsd 3,701 ft (1,128 m) above msl. MP northwest corner of pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 55.22 ft (16.83 m) below lsd, Sept. 21, 1966; lowest 85.10 ft (25.94 m) below lsd, Aug. 25, 1967. Records available: 1952-67, 1969-74. Jan. 11, 1971, 56.59; August 66.60; Jan. 13, 1972, 57.52; Aug. 2 (well being pumped); Jan. 17, 1973, 57.55; Aug. 8, 62.36; Jan. 15, 1974, 58.90.

320257104295201. Local number 26S.24E.9.441. Formerly 26.24.9.441. John Mayes. Drilled irrigation water-table well in alluvium, diam 12 in (30 cm), depth 100 ft (30 m), cased to 85 ft (26 m). Lsd 3,749.4 ft (1,142.8 m) above msl. MP top of air-line flange support, 1.40 ft (0.43 m) above lsd. Highest water level 42.29 ft (12.89 m) below lsd, Nov. 8, 1955; lowest 54.98 ft (16.76 m) below lsd, Sept. 8, 1965. Records available: 1952-74.

Jan. 11, 1971	46.79	Jan. 13, 1972	47.74	Jan. 17, 1973	44.70	Jan. 15, 1974	48.90
Aug. 10	49.35	Aug. 2	53.81	Aug. 9	49.57	Aug. 9	51.20

Hidalgo County

## Viriden Valley

324040108592001. Local number 19S.21W.2.333. Formerly 19.21.2.333. W. O. Clouse. Drilled irrigation water-table well in alluvium, diam 16 in (41 cm), depth 80 ft (24 m), cased to 54 ft (16 m). Lsd about 3,755 ft (1,145 m) above msl. MP hole in pumpbase, 3.00 ft (0.91 m) above lsd. Highest water level 12.08 ft (3.68 m) below lsd, Feb. 20, 1968; lowest 24.25 ft (7.39 m) below lsd, Nov. 3, 1956. Records available: 1948-64, 1966-74. Measurement discontinued. Replaced by well 19S.21E.3.414. Jan. 22, 1971, 14.52; Aug. 11, 15.07; Jan. 18, 1972, 13.75; Mar. 21, 1973, 12.92; Mar. 14, 1974, 15.57.

324053109594101. Local number 19S.21W.3.414. Jones, Clouse, & Jensen. Drilled irrigation water-table well in valley fill, diam 20 in (51 cm), depth 72 ft (22 m). Casing information and lsd not available. MP hole inside pumpshell, 0.90 ft (0.27 m) above lsd. Highest water level 10.64 ft (3.24 m) below lsd, Jan. 24, 1973; lowest 14.54 ft (4.43 m) below lsd, Sept. 12, 1974. Records available: 1971-74. Replaces well 19S.21W.2.333. Jan. 20, 1971, 11.17; Feb. 2, 1972, 11.20; Jan. 24, 1973, 10.64; Jan. 17, 1974, 11.36; Sept. 12, 14.54.

## Animas Valley

320700108515001. Local number 25S.20E.24.313. Formerly 25.20.24.313. Rudiger and Jundt. Drilled irrigation water-table well in bolson deposits, diam 16 in (41 cm), depth 320 ft (98 m), cased to 320 ft (98 m). Lsd 4,221.43 ft (1,286.69 m) above msl. MP top of casing, 0.43 ft (0.13 m) above lsd. Highest water level 42.43 ft (12.93 m) below lsd, Apr. 1, 1948; lowest 106.45 ft (32.45 m) below lsd, Aug. 12, 1970. Records available: 1948-74. Jan. 20, 1971, 90.58; Aug. 11, 110.24 (nearby well being pumped); Aug. 11, 1972, 113.77 (nearby well being pumped); Jan. 24, 1973, 90.83 (nearby well being pumped); Aug. 15, 115.25 (well pumped recently); Jan. 4, 1974, 92.07; Aug. 7, 114.75 (nearby well being pumped).

315645108493501. Local number 27S.19W.20.343. Formerly 27.19.20.343. Felix Gauthier. Drilled irrigation water-table well in bolson deposits, diam 16 in (41 cm), depth 358 ft (109 m), cased to 358 ft (109 m). Lsd 4,420 ft (1,347 m) above msl. MP top edge of 14-in (3.2-cm) pipe in concrete pumpbase, 1.25 ft (0.38 m) above lsd. Highest water level 131.90 ft (40.20 m) below lsd, July 29, 1949; lowest 168.99 ft (51.51 m) below lsd, Jan. 8, 1974. Records available: 1949-74. Jan. 19, 1971, 165.63; Aug. 11, 172.54 (nearby well being pumped); Feb. 1, 1972, 164.51; Jan. 24, 1973, 166.07; Aug. 15, (well being pumped); Jan. 8, 1974, 168.99; Aug. 7, 193.86 (well being pumped).

## San Simon Creek Valley

315010108570001. Local number 28S.21W.30.222. C. L. Johnston. Drilled irrigation water-table well in bolson deposits, diam 8 in (20 cm), depth 471 ft (144 m), cased to 471 ft (144 m). Lsd 4,440 ft (1,353 m) above msl. MP hole in west side of casing, 0.70 ft (0.21 m) above lsd. Highest water level 110.88 ft (33.80 m) below lsd, Jan. 15, 1969; lowest 114.74 ft (34.97 m) below lsd, Jan. 18, 1974. Records available: 1968-74. Jan. 16, 1968, 111.36; Jan. 15, 1969, 110.88; Jan. 28, 1970, 111.39; Jan. 19, 1971, 112.62; Feb. 1, 1972, 113.41; Jan. 24, 1973, 114.62; Jan. 18, 1974, 114.74.

## Playas Valley

313502108275001. Local number 31S.16W.33.233. U-Bar Ranch. Drilled observation water-table well completed in bolson deposits, diam 16 in (41 cm), depth 654 ft (199 m), 16-in (41-cm) casing. Lsd 4,400 ft (1,341 m) above msl. MP bottom edge of shelf, 4.05 ft (1.23 m) above lsd. Highest water level 44.66 ft (13.61 m) below lsd, Apr. 18-20, 30, 1973; lowest 58.90 ft (17.96 m) below lsd, June 26, 27, 1974. Records available: 1971-74.

313502108275001--Continued.

Highest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	45.20	45.14	45.12	45.12	46.88	46.74	46.03	48.59	48.55	47.94	46.19	45.59
10	45.20	45.16	45.12	45.10	47.44	46.49	46.06	48.99	48.73	47.46	46.12	45.58
15	45.24	45.14	45.14	45.08	47.84	46.32	46.12	49.22	48.76	47.06	45.85	45.50
20	45.19	45.09	45.11	45.15	47.90	46.19	46.32	49.40	48.75	46.82	45.82	45.49
25	45.19	45.11	45.10	45.29	47.46	46.12	46.79	49.38	48.57	46.50	45.77	45.42
Eom	45.16	45.13	45.09	45.15	47.01	46.07	47.99	48.70	48.36	46.30	45.66	45.38

1972

5	45.35	45.27	45.18	44.97	46.84	50.08	50.47	50.41	50.10	49.53	46.90	45.65
10	45.29	45.24	45.18	44.96	47.68	50.25	50.48	50.67	50.14	49.70	46.59	45.58
15	45.28	45.22	45.14	44.96	48.31	50.49	50.42	50.86	49.96	49.45	46.37	45.59
20	45.26	45.24	45.00	44.91	48.79	50.53	50.38	50.97	49.51	49.54	46.14	45.43
25	45.27	45.17	44.97	45.05	49.22	50.43	50.10	50.85	49.06	47.90	46.03	45.39
Eom	45.25	45.13	44.98	45.90	49.76	50.38	50.11	50.34	49.30	47.33	45.88	45.24

1973

5	45.20	45.01	44.78	44.73	44.67	48.45	50.22	49.68	48.71	49.58	46.56	.....
10	45.16	44.96	44.78	44.73	44.79	48.98	50.37	49.61	48.69	49.41	46.28	.....
15	45.13	44.91	44.78	44.70	44.91	49.48	50.48	49.65	48.94	48.77	46.02	.....
20	45.03	44.91	44.75	44.66	45.41	49.82	50.47	49.55	49.18	48.02	45.81	.....
25	45.07	44.86	44.77	44.69	46.40	49.98	50.47	49.51	49.43	47.43	45.57	.....
Eom	44.94	44.81	44.75	44.66	47.70	50.10	50.35	49.34	49.61	46.86	45.76	.....

1974

5	.....	.....	.....	53.18	53.60	58.50	58.35	55.97	58.28	54.14	51.44	50.71
10	.....	.....	.....	53.03	53.60	58.55	58.55	55.60	58.24	53.38	51.24	50.63
15	.....	.....	51.90	53.10	54.70	58.66	58.44	55.54	58.09	52.85	51.10	50.61
20	.....	.....	52.30	53.19	55.78	58.77	57.92	56.26	57.81	52.39	50.99	50.49
25	.....	.....	52.69	53.42	56.87	58.89	57.54	57.35	56.32	52.04	50.85	50.39
Eom	.....	.....	53.01	53.54	57.80	58.60	56.85	58.03	55.24	51.69	50.78	50.37

Lea County

## Tatum-Lovington-Hobbs Area

331740103285001. Local number 12S.34E.11.413. Formerly 12.34.11.413. A. D. Jones Estate. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 15 (38 cm), depth 87 ft (27 m), cased to 5 ft (2 m). Lsd 4,150 ft (1,265 m) above msl. MP top of concrete pumpbase, 0.80 ft (0.24 m) above lsd. Highest water level 29.57 ft (9.01 m) below lsd, May 24, 1949; lowest 33.82 ft (10.31 m) below lsd, Aug. 13, 1974. Records available: 1949-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1971	33.08	Jan. 13, 1972	33.36	Jan. 9, 1973	33.54	Jan. 7, 1974	33.67
Aug. 4	33.24	Aug. 15	33.50	Aug. 8	33.49	Aug. 13	33.82

330325103245501. Local number 14S.35E.33.433. Formerly 14.35.33.433. W. A. Anderson. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 6 in (15 cm), depth 62 ft (19 m), not cased. Lsd 4,013.61 ft (1,223.35 m) above msl. MP top of concrete collar on well, 1.00 ft (0.30 m) above lsd. Highest water level 39.65 ft (12.09 m) below lsd, May 21, July 25, 1951, Jan. 9, May 24, 1952; lowest 46.84 ft (14.28 m) below lsd, Aug. 13, 1974. Records available: 1929-74.

Jan. 14, 1971	45.07	Jan. 11, 1972	45.15	Jan. 9, 1973	46.20	Jan. 7, 1974	46.60
Aug. 3	46.01	Aug. 15	46.60	Aug. 8	46.37	Aug. 13	46.84

330400103193501. Local number 14S.36E.32.121. E. T. Howell. Drilled irrigation water-table well in Ogallala Formation, diam 16 in (41 cm), depth and casing information not available. Lsd 3,990 ft (1,216 m) above msl. MP top of concrete pumpbase, 0.50 ft (0.15 m) above lsd. Highest water level 53.58 ft (16.33 m) below lsd, Jan. 19, 1949; lowest 70.09 ft (21.36 m) below lsd, Jan. 14, 1971. Records available: 1949-66, 1968-74. No measurement made in 1967.

Jan. 19, 1949	53.58	Jan. 11, 1956	60.00	Jan. 18, 1962	60.07	Jan. 15, 1969	63.79
Jan. 14, 1950	54.05	Jan. 11, 1957	60.75	Feb. 21, 1963	61.08	Jan. 8, 1970	64.63
Jan. 17, 1951	57.22	Jan. 16, 1958	60.25	Feb. 13, 1964	63.30	Jan. 14, 1971	70.09
Jan. 9, 1952	62.10	Jan. 15, 1959	60.94	Feb. 11, 1965	64.57	Jan. 12, 1972	65.95
Jan. 10, 1953	59.38	Jan. 23, 1960	61.88	Feb. 9, 1966	64.75	Jan. 9, 1973	66.47
Jan. 6, 1954	59.11	Feb. 2, 1961	60.00	Jan. 4, 1968	64.19	Jan. 7, 1974	66.72
Jan. 11, 1955	58.94						

325703103213201. Local number 16S.36E.4.322. City of Lovington. Drilled unused water-table well in Ogallala Formation, diam 13 in (33 cm), depth 212 ft (65 m), perforated 80-208 ft (24-63 m). Lsd 3,926 ft (1,197 m) above msl. MP top of shaft, 4.00 ft (1.22 m) above lsd. Highest water level 65.20 ft (19.87 m) below lsd, Dec. 25, 1947; lowest 67.10 ft (20.45 m) below lsd, Aug. 15, 25, 1971. Records available: 1971-74. Replaces well 16S.36E.5. Lot 2.

325703103213201--Continued.

Highest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	67.05	67.06	66.90	66.72	66.60
10	.....	.....	.....	.....	.....	.....	.....	67.05	67.06	66.90	66.72	66.60
15	.....	.....	.....	.....	.....	.....	.....	67.10	67.00	66.84	66.67	66.58
20	.....	.....	.....	.....	.....	.....	.....	67.09	67.00	66.86	66.66	66.54
25	.....	.....	.....	.....	.....	.....	.....	67.10	66.97	66.78	66.63	66.54
Eom	.....	.....	.....	.....	.....	.....	.....	67.06	66.94	66.75	66.63	66.53

1972

5	66.52	66.40	66.39	66.30	66.24	66.23	66.21	66.18	66.12	66.03	65.92	65.85
10	66.51	66.42	66.35	66.29	66.24	66.22	66.20	66.18	66.11	66.02	65.92	65.88
15	66.52	66.41	66.36	66.31	66.24	66.23	66.20	66.18	66.08	66.00	65.89	65.87
20	66.48	66.39	66.33	66.27	66.24	66.22	66.19	66.18	66.07	65.96	65.89	65.82
25	66.48	66.37	66.30	66.25	66.22	66.21	66.18	66.17	66.06	65.94	65.89	65.84
Eom	66.48	66.35	66.30	66.26	66.23	66.20	66.17	66.14	66.04	65.94	65.89	65.82

1973

5	65.81	65.70	65.70	65.60	65.60	65.60	65.64	65.67	65.66	65.69	65.66	65.61
10	65.78	65.70	65.61	65.60	65.60	65.61	65.65	65.66	65.67	65.63	65.63	65.60
15	65.70	65.70	65.72	65.60	65.62	65.66	65.66	65.65	65.66	65.66	65.63	65.58
20	65.73	65.70	65.70	65.60	65.60	65.68	65.67	65.67	65.66	65.64	65.58	65.61
25	65.30	65.70	65.69	65.62	65.60	65.65	65.69	65.65	65.67	65.63	65.58	65.56
Eom	65.70	65.70	65.60	65.60	65.62	65.64	65.71	65.64	65.67	65.62	65.62	65.56

1974

5	65.55	65.50	65.52	65.50	65.54	65.67	65.89	66.14	66.30	66.20	65.96	65.30
10	65.56	65.52	65.52	65.49	65.55	65.70	65.91	66.16	66.29	66.14	65.89	65.60
15	65.52	65.54	65.54	65.51	65.56	65.72	65.97	66.22	66.30	66.13	65.80	65.26
20	65.50	65.51	65.53	65.50	65.61	65.78	66.02	66.24	66.29	66.10	65.80	65.61
25	65.52	65.55	65.54	65.50	65.60	65.80	66.04	66.28	66.24	66.09	65.70	65.20
Eom	65.54	65.51	65.51	65.55	65.62	65.83	66.10	66.29	66.25	65.91	65.70	65.51

e Estimated.

325752103233501. Local number 16S.36E.5. Lot 2. Formerly 16.36.5 Lot 2. Miss Ethel Yadon. Drilled unused water-table well in Ogallala Formation, diam 16 in (41 cm), depth 97 ft (30 m), cased to 87 ft (27 m). Lsd 3,940 ft (1,201 m) above msl. MP top of hole in recorder shelf, 2.95 ft (0.90 m) above lsd. Highest water level 53.83 ft (16.41 m) below lsd, May 4, 1957; lowest 63.45 ft (19.34 m) below lsd, July 31, 1969. Records available: 1956-71. Well caved in; measurement discontinued. Replaced by well 16S.36E.4.322.

Highest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	59.90	60.90	60.32	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	59.90	60.70	60.30	.....	.....	.....	.....	.....
15	60.50	.....	.....	.....	60.34	60.60	60.28	.....	.....	.....	.....	.....
20	60.40	.....	.....	59.95	61.08	60.50	60.24	.....	.....	.....	.....	.....
25	60.30	.....	.....	59.90	61.50	60.40	60.24	.....	.....	.....	.....	.....
Eom	60.00	.....	.....	59.96	61.10	60.34	60.46	.....	.....	.....	.....	.....

325658103200001. Local number 16S.37E.11.111. Formerly 16.37.11.111. H. J. Taylor. Drilled irrigation water-table well in Ogallala Formation of Pliocene age, diam 16 in (41 cm), reported depth 118 ft (36 m), cased to 118 ft (36 m). Lsd 3,900 ft (1,189 m) above msl. MP top of 1-in (2.5-cm) hole in southwest side of pump, 1.34 ft (0.41 m) above lsd. Highest water level 31.93 ft (9.73 m) below lsd, Jan. 23, 1949; lowest 78.56 ft (23.95 m) below lsd, Sept. 13, 1965. Records available: 1949-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13, 1971	71.01	Jan. 13, 1972	69.73	Jan. 9, 1973	69.16	Jan. 8, 1974	72.81
Aug. 3	75.16	Aug. 16	72.75	Aug. 8	69.50	Aug. 13	(a)

a Well being pumped.

324947103371001. Local number 17S.33E.13.341. Formerly 17.33.13.341. Potash Co. of America. Drilled observation water-table well in Ogallala Formation of Pliocene age, diam 6 in (15 cm), depth 252 ft (77 m), cased to 252 ft (77 m). Lsd 4,124 ft (1,257 m) above msl. MP top of casing, 1.10 ft (0.34 m) above lsd. Highest water level 146.00 ft (44.50 m) below lsd, Jan. 21, 1953; lowest 164.48 ft (50.13 m) below lsd, Aug. 13, 1974. Records available: 1952-74.

Jan. 12, 1971	161.34	Jan. 12, 1972	160.57	Jan. 10, 1973	161.99	Jan. 8, 1974	163.23
Aug. 3	159.61	Aug. 16	161.82	Aug. 8	162.65	Aug. 13	164.48

325132103112501. Local number 17S.38E.7.111a. Formerly 17.38.7.111a. L. R. Seblings. Drilled irrigation water-table well in Ogallala Formation of Pliocene age, diam 16 in (41 cm), reported depth 125 ft (38 m), cased. Lsd 3,740 ft (1,140 m) above msl. MP edge of small pipe projecting from west side of pump 0.95 ft (0.29 m) above concrete pumpbase, 1.91 ft (0.58 m) above lsd (since 1971). Highest water level 35.59 ft (10.85 m) below lsd, Mar. 21, 1952; lowest 69.60 ft (21.21 m) below lsd, Aug. 3, 1971. Records available: 1951-74.

Jan. 12, 1971	58.84	Jan. 12, 1972	58.89	Jan. 9, 1973	60.26	Jan. 8, 1974	62.23
Aug. 3	69.60	Aug. 16	67.17	Aug. 8	66.39	Aug. 13	(a)

a Well being pumped.

324745103082001. Local number 17S.38E.34.113. Formerly 17.38.34.113. W. E. Busby. Drilled irrigation water-table well in Ogallala Formation of Pliocene age, diam 12 in (30 cm) depth 125 ft (38 m), cased to 90 ft (27 m). Lsd 3,660 ft (1,116 m) above msl. MP top of  $\frac{1}{2}$ -in (1.3-cm) hole in pumpbase, 0.54 ft (0.16 m) above lsd. Highest water level 24.78 ft (7.55 m) below lsd, Jan. 15, 1944; lowest 48.19 ft (14.69 m) below lsd, Aug. 13, 1974. Records available: 1943-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1971	43.65	Jan. 12, 1972	44.08	Jan. 9, 1973	47.01	Jan. 8, 1974	46.63
Aug. 3	44.47	Aug. 16	45.16	Aug. 8	45.91	Aug. 13	48.19

### Lincoln County

#### Hondo Valley

333015105382201. Local number 9S.13E.25.113. Formerly 9.13.25.113. M. W. Coll. 0.4 mi (0.6 km) southwest of intersection of Magado Creek and State Highway 48. Drilled irrigation and domestic water-table well in alluvium, diam 8 in (20 cm), depth 90 ft (27 m), cased to 40 ft (12 m). Lsd about 6,750 ft (2,057 m) above msl. MP top of casing, at lsd. Highest water level 18.04 ft (5.50 m) below lsd, Nov. 26, 1958; lowest 44.36 ft (13.52 m) below lsd, Aug. 13, 1971. Records available: 1955-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1971	34.38	Jan. 14, 1972	33.12	Jan. 12, 1973	31.06	Feb. 5, 1974	26.36
Aug. 13	44.36	Aug. 24	41.68	Aug. 14	25.46	Aug. 28	27.50

333242105340701. Local number 9S.14E.10.132. Formerly 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 (20 cm), depth 324 ft (99 m), cased to 271 ft (83 m). Lsd about 6,340 ft (1,932 m) above msl. MP top of breather hole on west side of pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 38.39 ft (11.70 m) below lsd, Aug. 14, 1973; lowest 69.77 ft (21.27 m) below lsd, Nov. 28, 1956. Records available: 1955-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1971	42.70	Jan. 14, 1972	42.02	Jan. 12, 1973	39.02	Feb. 5, 1974	40.70
Aug. 13	43.07	Aug. 24	40.48	Aug. 14	38.39	Aug. 28	39.73

332610105161401. Local number 10S.17E.16.433. Formerly 10.17.16.433. Wilbur McKnight. 5.4 mi (8.7 km) 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 (20 cm), depth 140 ft (43 m), casing information not available. Lsd 5,575 ft (1,699 m) above msl. MP top of 8-in (20-cm) casing, 1.50 ft (0.46 m) above lsd. Highest water level 121.57 ft (37.05 m) below lsd, Jan. 26, 1956; lowest 126.52 ft (38.56 m) below lsd, Jan. 27, 1965. Records available: 1955-65, 1967-71. Measurement discontinued. Jan. 28, 1971, 123.13.

332145105333001. Local number 11S.14E.15.431. Formerly 11.14.15.431. E. H. Fuchs. 0.1 mi (0.2 km) west of Valley View Motel. Drilled unused water-table well in alluvium, diam 8 in (20 cm), depth 90 ft (27 m), casing information not available. Lsd 6,200 ft (1,890 m) above msl. MP top of east edge of 8-in (20-cm) casing, 1.00 ft (0.30 m) above lsd. Highest water level 57.16 ft (17.42 m) below lsd, Mar. 26, 1958; lowest 63.75 ft (19.43 m) below lsd, Aug. 10, 1970. Records available: 1955-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1971	61.49	Jan. 14, 1972	58.08	Jan. 12, 1973	58.31	Feb. 4, 1974	60.27
Aug. 13	57.99	Aug. 24	57.92	Aug. 14	58.27	Aug. 7	58.56

332157105094101. Local number 11S.18E.16.444. Formerly 11.18.16.444. Lincoln County Livestock Co. 0.4 mi (0.6 km) 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 (30 cm), depth 125 ft (38 m), cased to 110 ft (34 m). Lsd 5,010 ft (1,527 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 50.40 ft (15.36 m) below lsd, Aug. 14, 1973; lowest 60.18 ft (18.34 m) below lsd, Jan. 15, 1959. Records available: 1955-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1971	(a)	Jan. 14, 1972	51.08	Jan. 12, 1973	50.93	Feb. 4, 1974	51.24
Aug. 13	59.76	Aug. 24	54.16	Aug. 14	50.40	Aug. 27	55.48

a Well being pumped.

331903104593001. Local number 11S.20E.31.123. Formerly 11.20.31.123. J. P. White. 0.3 mi (0.5 km) west of Border Hills crossing of Rio Hondo. Drilled stock water-table well in Yeso Formation of Permian age, diam 6 in (15 cm), depth 260 ft (79 m), cased to 260 ft (79 m). Lsd 4,610 ft (1,405 m) above msl. MP top of casing, 2.50 ft (0.76 m) above lsd. Highest water level 135.90 ft (41.42 m) below lsd, Feb. 3, 1970; lowest 155.06 ft (47.26 m) below lsd, Aug. 10, 1970. Records available: 1955-64, 1966-70, 1972. No measurement made in 1971. Measurement discontinued. Aug. 24, 1972, 146.57.

### Luna County

#### Nutt-Hockett Area

323110107235001. Local number 20S.5W.31.334. Formerly 20.5.31.334. Leonard Farms. Drilled irrigation water-table well in valley fill, diam 16 in (41 cm), depth 421 ft (128 m), perforated 221-421 ft (67-128 m). Lsd 4,486.6 ft (1,367.5 m) above msl. MP  $\frac{1}{2}$ -in (1.3-cm) pipe west side of pumpbase, 1.00 ft (0.30 m) above lsd (since January 1973). Highest water level 54.69 ft (16.67 m) below lsd, Jan. 19, 1959; lowest 98.61 ft (30.06 m) below lsd, Aug. 12, 1971. Records available: 1959-73. No measurement made in 1974. Jan. 18, 1971, 88.72; Aug. 12, 98.61; Feb. 15, 1972, 92.70; Aug. 9 (well being pumped); Aug. 15, 1973, 109.03 (well pumped recently); Aug. 1, 1974 (well being pumped).

322930107221001. Local number 21S.5W.8.444. Formerly 21.5.8.444. Leonard Farms. Drilled irrigation water-table well in valley fill, diam 16 in (41 cm), depth 435 ft (133 m), cased to 435 ft (133 m). Lsd 4,530 ft (1,381 m) above msl. MP hole in northeast side of pump shell, 1.60 ft (0.49 m) above lsd. Highest water level 102.06 ft (31.11 m) below lsd, Jan. 17, 1962; lowest 142.47 ft (43.42 m) below lsd, Jan. 24, 1974. Records available: 1961-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1971	128.45	Feb. 15, 1972	136.30	Jan. 23, 1973	136.75	Jan. 24, 1974	142.47
Aug. 12	(a)	Aug. 9	(a)	Aug. 15	(a)	Aug. 1	(a)

a Well being pumped.

## Mimbres Valley

321352107493901. Local number 24S.10W.12.431. Formerly 24.10.12.431. Steve Hrna. Dug and drilled unused water-table well in valley fill, diam 36 to 12 in (91 to 30 cm), reported depth 132 ft (40 m), cased. Lsd 4,330 ft (1,320 m) above msl. MP top of recorder-shelter shell, 1.35 ft (0.41 m) above lsd. Highest water level 77.61 ft (23.66 m) below lsd, May 6-13, 1940; lowest 112.07 ft (34.16 m) below lsd, July 31, 1966. Records available: 1939-74.

Highest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	106.55	106.75	107.84	109.17	109.98	110.43	110.76	110.77	110.58	109.82	108.34	107.16
10	106.45	107.11	108.21	109.27	110.05	110.44	110.84	110.68	110.50	109.56	108.21	107.09
15	106.51	107.27	108.56	109.35	110.22	110.40	110.86	110.71	110.38	109.28	107.86	106.91
20	106.21	107.35	108.50	109.74	110.30	110.56	110.87	110.70	110.24	109.15	107.77	106.75
25	106.30	107.60	108.73	109.89	110.20	110.58	110.79	110.68	110.10	108.82	107.58	106.59
Eom	106.31	107.70	108.83	110.03	110.33	110.68	110.74	110.62	109.90	108.57	107.34	106.46

1972

5	106.49	105.85	106.42	108.67	108.73	109.37	109.50	109.68	109.15	108.27	107.11	106.10
10	106.26	105.78	106.95	108.56	108.77	109.26	109.55	109.63	109.04	108.10	106.93	106.15
15	106.33	105.73	107.24	108.31	108.94	109.19	109.55	109.54	108.88	107.90	106.80	106.24
20	106.19	105.86	107.62	108.33	109.09	109.18	109.68	109.49	108.76	107.63	106.66	105.90
25	106.09	105.86	108.04	108.54	109.12	109.28	109.65	109.37	108.57	107.48	106.52	105.92
Eom	105.91	106.23	108.33	108.64	109.27	109.33	109.57	109.31	108.41	107.29	106.48	105.79

1973

5	105.74	105.50	105.27	106.73	107.29	108.93	109.60	110.07	110.43	109.95	107.95	105.91
10	105.66	105.37	105.52	106.90	107.54	109.04	109.83	110.24	110.42	109.70	107.63	105.52
15	105.59	105.49	105.74	106.97	107.82	109.28	109.97	110.30	110.40	109.41	107.25	105.41
20	105.36	105.59	105.81	107.18	107.97	109.38	109.90	110.36	110.34	109.05	106.85	105.45
25	105.47	105.52	106.09	107.27	108.10	109.26	110.00	110.36	.....	108.66	106.45	105.05
Eom	105.44	105.37	106.56	107.27	108.61	109.45	109.98	110.41	.....	108.20	106.31	104.81

1974

5	104.67	104.58	104.87	106.14	106.37	107.38	108.01	107.73	.....	.....	.....	.....
10	104.65	104.58	105.24	105.91	106.59	107.65	108.05	107.70	.....	.....	.....	.....
15	104.65	104.58	105.37	106.31	106.71	107.65	108.11	107.61	.....	.....	.....	.....
20	104.58	104.58	105.50	106.20	106.91	107.71	108.04	107.38	.....	.....	.....	.....
25	104.58	104.65	101.76	106.38	107.21	107.87	107.90	107.03	.....	.....	.....	.....
Eom	104.58	104.71	101.56	106.37	107.30	107.91	107.79	106.71	.....	.....	.....	.....

321415107565501. Local number 24S.11W.14.122. Formerly 24.11.14.122. Charles Waldrop. Drilled irrigation water-table well in valley fill, diam 12 in (30 cm), reported depth 210 ft (64 m), cased to 198 ft (60 m). Lsd 4,405 ft (1,343 m) above msl. MP top of 1-in (2.5-cm) hole in pump-base, 0.80 ft (0.24 m) above lsd. Highest water level 107.66 ft (32.81 m) below lsd, Jan. 23, 1952; lowest 190.38 ft (58.03 m) below lsd, May 11, 1956. Records available: 1951-74. Jan. 20, 1971, 175.02; Aug. 12, 186.02; Jan. 6, 1972, 174.95; Jan. 23, 1973, 174.27; Aug. 13 (well being pumped); Jan. 16, 1974, 175.92; Aug. 1 (well being pumped).

321015107260501. Local number 25S.6W.2.111. Formerly 25.6.2.111. C. W. Johnson, Jr. Drilled irrigation water-table well in valley fill, diam 16 in (41 cm), depth 235 ft (72 m), perforated 180-235 ft (55-72 m), gravel packed. Lsd 4,220 ft (1,286 m) above msl. MP top of casing, 1.30 ft (0.40 m) above lsd. Highest water level 0.45 ft (0.14 m) below lsd, Mar. 14, 1953; lowest 81.96 ft (24.98 m) below lsd, Aug. 2, 1974. Records available: 1952-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1971	32.06	Jan. 14, 1972	39.02	Jan. 25, 1973	33.43	Jan. 18, 1974	44.84
Aug. 12	71.73	Aug. 10	71.74	Aug. 14	67.12	Aug. 2	81.96

320915107294501. Local number 25S.6W.7.211. Formerly 25.6.7.211. H. C. Telles. Drilled irrigation water-table well in valley fill, diam 16 in (41 cm), depth 230 ft (70 m), cased to 230 ft (70 m). Lsd 4,084.22 ft (1,244.87 m) above msl. MP hole in pumpbase, 1.20 ft (0.37 m) above lsd. Highest water level 65.34 ft (19.92 m) below lsd, Mar. 14, 1953; lowest 122.16 ft (37.23 m) below lsd, Aug. 13, 1970. Records available: 1953-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1971	89.93	Jan. 14, 1972	90.66	Jan. 25, 1973	91.82	Jan. 18, 1974	90.91
Aug. 12	(a)	Aug. 10	(a)	Aug. 14	(a)	Aug. 2	94.40

a Well being pumped.

315525107374501. Local number 27S.8W.35.122. Formerly 27.8.35.122. Mrs. M. M. Gibson. Drilled unused water-table well in valley fill, diam 12 in (30 to 20 cm), depth 550 ft (168 m), cased to 550 ft (168 m), perforated 155-550 ft (47-168 m). Lsd 4,070 ft (1,241 m) above msl. MP top of casing, 0.20 ft (0.06 m) above lsd. Highest water level 20.84 ft (6.35 m) below lsd, Mar. 16, 1953; lowest 96.61 ft (29.45 m) below lsd, Aug. 10, 1972. Records available: 1952-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1971	73.51	Jan. 10, 1972	75.56	Jan. 30, 1973	71.51	Jan. 17, 1974	74.88
Aug. 12	c102.55	Aug. 10	96.61	Aug. 14	95.78	Aug. 2	96.35

c Nearby well being pumped.

315905107425001. Local number 27S.9W.1.431. Formerly 27.9.1.431. I. G. Burns. Drilled irrigation water-table well in valley fill, diam 16 in (41 cm), depth 62 ft (19 m), cased to 62 ft (19 m). Lsd 4,135 ft (1,260 m) above msl. MP top edge of rectangular hole in pumpbase, 0.65 ft (0.20 m) above lsd. Highest water level 30.61 ft (9.33 m) below lsd, Jan. 19, 1954; lowest 44.35 ft (13.52 m) below lsd, Aug. 12, 1970. Records available: 1954-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1971	35.30	Jan. 10, 1972	36.00	Jan. 26, 1973	36.22	Jan. 17, 1974	36.14
Aug. 12	35.62	Aug. 10	36.57	Aug. 14	(a)	Aug. 2	(a)

a Well being pumped.

314938107371401. Local number 28S.8W.36.411. Formerly 28.8.36.411. M. R. Hemley. Drilled domestic and irrigation water-table well in valley fill, diam 16 in (41 cm), depth 250 ft (76 m), cased to 250 ft (76 m). Lsd 4,008 ft (1,222 m) above msl. MP top of casing, 1.85 ft (0.56 m) above lsd. Highest water level 16.67 ft (5.09 m) below lsd, Aug. 26, 1969; lowest (revised) 32.45 ft (9.89 m) below lsd, Jan. 12, 1961. Records available: 1961-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1971	19.54	Jan. 10, 1972	19.83	Jan. 30, 1973	19.34	Jan. 17, 1974	19.23
Aug. 12	19.57	Aug. 10	b33.09	Aug. 14	19.72	Aug. 2	18.75

b Well pumped recently.

#### Otero County

##### Tularosa-Alamogordo Area

330324106011201. Local number 14S.10E.31.144. Formerly 14.10.31.144. Luther Watson. Drilled irrigation water-table well in bolson deposits, diam 17 in (43 cm), depth 230 ft (70 m), cased 16 to 14 in (41 to 36 cm) 0-130 ft (0-40 m). Lsd 4,480 ft (1,356 m) above msl. MP top edge of 1-in (2.5-cm) hole in pumpbase, 0.70 ft (0.21 m) above lsd. Highest water level 73.75 ft (22.48 m) below lsd, Apr. 8, 1952; lowest 117.34 ft (35.77 m) below lsd, Sept. 11, 1971. Records available: 1952-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1971	112.38	Feb. 9, 1972	108.43	Feb. 13, 1973	107.40	Jan. 21, 1974	113.07
Sept. 11	117.34	Aug. 8	(a)	Aug. 13	116.84	Aug. 8	(a)

a Well being pumped.

324853105582501. Local number 17S.9E.24.343. Formerly 17.9.24.343. U.S. Air Force. About 0.75 mi (1.21 km) west of Holloman Air Force Base pumping station. Drilled public-supply water-table well in bolson deposits, diam 10 in (25 cm), depth 236 ft (72 m), cased to 236 ft (72 m). Lsd 4,144 ft (1,263 m) above msl. MP top of 1½-in (3.8-cm) pipe with screw plug at south side of concrete base, 2.10 ft (0.64 m) above lsd. Highest water level 61.42 ft (18.72 m) below lsd, Apr. 7, 1960; lowest 80.54 ft (24.55 m) below lsd, Aug. 28, 1967. Records available: 1955-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1971	73.27	Feb. 9, 1972	76.38	Feb. 13, 1973	74.67	Jan. 21, 1974	75.03
Sept. 11	(a)	Aug. 8	(a)	Aug. 13	75.09	Aug. 8	74.58

a Well being pumped.

##### Salt Basin

320040105064501. Local number 26S.18E.28.113. Formerly 26.18.28.113. Frank Gentry. Drilled irrigation artesian well in Bone Spring Limestone of Permian age (Leonard Series), diam 18 in (46 cm), depth 394 ft (120 m), cased to 333 ft (102 m). Lsd 3,650 ft (1,113 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 31.50 ft (9.60 m) below lsd, Feb. 13, 1956; lowest 55.72 ft (16.98 m) below lsd, Jan. 14, 1972. Records available: 1956-74. Jan. 12, 1971, 49.16; Jan. 14, 1972, 55.72; Aug. 3 (well being pumped); Jan. 8, 1973, 50.00; Jan. 17, 1974, 51.44.

320650105034801. Local number 26S.18E.21.331. Frank Gentry. Drilled irrigation water-table well in bolson deposits, diam 18 in (46 cm), depth 544 ft (166 m), casing information not available. Lsd 4,000 ft (1,219 m) above msl. MP top of casing, 2.50 ft (0.76 m) above lsd. Highest water level 33.64 ft (10.25 m) below lsd, Jan. 15, 1957; lowest 57.36 ft (17.48 m) below lsd, Sept. 16, 1964. Records available: 1956-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14, 1956	35.50	Aug. 13, 1959	52.20	Sept. 5, 1963	56.40	Jan. 23, 1968	48.41
Apr. 21	41.89	Jan. 25, 1960	41.70	Jan. 27, 1964	46.84	Jan. 9, 1969	52.40
Sept. 12	45.40	Aug. 19	53.46	Sept. 16	57.36	Jan. 15, 1970	50.85
Jan. 15, 1957	33.64	Jan. 19, 1961	42.86	Jan. 27, 1965	47.76	Jan. 12, 1971	52.52
Aug. 6	38.13	Aug. 19	55.49	Sept. 15	56.75	Jan. 14, 1972	52.07
Jan. 29, 1958	39.09	Jan. 29, 1962	44.22	Jan. 27, 1966	48.17	Jan. 8, 1973	51.08
Aug. 14	50.68	Aug. 28	56.47	Jan. 24, 1967	46.47	Jan. 17, 1974	52.73
Jan. 22, 1959	40.65	Jan. 30, 1963	44.91				



Quay County

## House Area

343810103463001. Local number SN.30E.18.331. Formerly 5.30.18.331. W. C. and H. J. Lee. Drilled irrigation water-table well in Ogallala Formation of Pliocene age, diam 16 in (41 cm), depth 75 ft (23 m), cased to 60 ft (18 m). Lsd 4,640 ft (1,414 m) above msl. MP top of concrete pumpbase, 0.50 ft (0.15 m) above lsd (since 1971). Highest water level 34.76 ft (10.59 m) below lsd, Mar. 28, 1946; lowest 51.49 ft (15.69 m) below lsd, Aug. 11, 1969. Records available: 1944-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8, 1971	47.73	Jan. 6, 1972	46.54	Jan. 5, 1973	45.73	Jan. 5, 1974	46.45
Aug. 20	51.20	Aug. 2	(a)	Aug. 7	45.56	Aug. 12	48.01

a Well being pumped.

344350103553001. Local number 6N.28E.24.233. Formerly 6.28.24.233. G. B. Irwin. Drilled irrigation water-table well in Ogallala Formation of Pliocene age, diam 16 in (41 cm), reported depth 131 ft (40 m), cased to 79-131 ft (24-40 m). Lsd 4,790 ft (1,460 m) above msl. MP top of 2-in (5.1-cm) opening in concrete base, 1.21 ft (0.37 m) above lsd. Highest water level 77.97 ft (23.77 m) below lsd, Mar. 27, 1944; lowest 113.50 ft (34.59 m) below lsd, Aug. 20, 1971. Records available: 1944-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8, 1971	93.08	Jan. 6, 1972	99.96	Jan. 5, 1973	94.34	Jan. 5, 1974	92.90
Aug. 20	113.50	Aug. 2	104.77	Aug. 7	94.64	Aug. 12	95.01

Roosevelt County

## Portales Valley

341555103253001. Local number 1N.33E.36.400c. Formerly 1N.33.36.400c. Woodburn Bros. Drilled ed observation water-table well in valley fill, diam 8 in (20 cm), depth 43 ft (13 m), cased to 40 ft (12 m), perforated 8-40 ft (2-12 m). Lsd 4,074 ft (1,242 m) above msl. MP top of casing, 2.86 ft (0.87 m) above lsd. Highest water level 7.88 ft (2.40 m) below lsd, Apr. 9, 1953; lowest 24.58 ft (7.49 m) below lsd, Jan. 4, 1974. Records available: 1953-74. Measurement discontinued. Jan. 6, 1971, 22.85; Aug. 16, 23.44; Jan. 4, 1972, 23.58; Aug. 2, 23.92; Jan. 4, 1973, 24.37; Aug. 7, 23.38; Jan. 4, 1974, 24.58.

342845103353701. Local number 1S.32E.16.112. Dorsey Nash. Drilled unused water-table well in Ogallala Formation, diam 6 in (15 cm), depth unknown, 6-in (15-cm) surface casing. Lsd 4,010 ft (1,222 m) above msl. MP edge of center hole in old car wheel, 0.30 ft (0.09 m) above lsd. Highest water level 66.78 ft (20.35 m) below lsd, Jan. 17, 1961; lowest 82.65 ft (25.19 m) below lsd, Jan. 4, 1974. Records available: 1961-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1961	66.78	Feb. 18, 1965	75.23	Jan. 8, 1969	80.22	Jan. 5, 1972	80.92
Jan. 15, 1962	70.58	Jan. 7, 1966	76.57	Jan. 7, 1970	80.73	Jan. 3, 1973	82.25
Jan. 3, 1963	71.88	Jan. 4, 1967	77.50	Jan. 6, 1971	80.75	Jan. 4, 1974	82.65
Jan. 9, 1964	73.75	Jan. 9, 1968	78.51				

341530103292001. Local number 1S.33E.4.112. Owner unknown. Drilled unused water-table well in Ogallala Formation, diam 12 in (30 cm), depth and casing information not available. Lsd 4,109 ft (1,252 m) above msl. MP top of casing level with 4- x 4-ft (1- x 1-m) concrete base, 1.00 ft (0.30 m) above lsd. Highest water level 79.07 ft (24.10 m) below lsd, Jan. 8, 1973; lowest 79.46 ft (24.22 m) below lsd, Jan. 4, 1974. Records available: 1973-74. Jan. 8, 1973, 79.07; Jan. 4, 1974, 79.46.

341201103193201. Local number 1S.34E.25.211. Formerly 1.34.25.211. J. B. H. Young. Drilled unused water-table well in valley fill, diam 12 in (46 cm), reported depth 101 ft (31 m), cased to 100 ft (30 m). Lsd 4,020 ft (1,225 m) above msl. MP top of concrete base, at lsd. Highest water level 31.98 ft (9.75 m) below lsd, May 16, 1933; lowest 82.59 ft (25.17 m) below lsd, Aug. 16, 1971. Records available: 1931-72. Measurement discontinued. Equipped with recording gage. Jan. 5, 1971, 81.79; Aug. 16, 82.59; Jan. 4, 1972, 81.92.

341317103083301. Local number 1S.36E.14.311. City of Portales. Drilled unused water-table well in Ogallala Formation, diam 18 in (46 cm), depth 208 ft (63 m), 18-in (46-cm) casing to 103 ft (31 m), 16-in (41-cm) casing 103-208 ft (31-63 m). Lsd 4,032 ft (1,229 m) above msl. MP top of casing, 0.70 ft (0.21 m) below top of concrete base, 0.80 ft (0.24 m) above lsd. Highest water level 54.91 ft (16.74 m) below lsd, May 31, 1972; lowest 63.89 ft (19.47 m) below lsd, May 23, 1974. Records available: 1972-74.

## Highest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	55.20	55.17	55.89	55.42	55.98	56.25	56.18
10	.....	.....	.....	.....	.....	55.90	55.17	55.87	55.37	56.13	55.53	55.64
15	.....	.....	.....	.....	.....	55.38	55.68	55.67	55.37	55.97	55.97	56.06
20	.....	.....	.....	.....	54.99	55.35	55.41	55.61	55.46	55.70	55.34	56.26
25	.....	.....	.....	.....	55.46	55.67	55.78	55.96	55.24	56.14	56.13	.....
Eom	.....	.....	.....	.....	54.91	55.96	56.78	55.63	56.09	56.27	57.27	.....

341317103083301--Continued.

1973												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	55.63	56.27	56.21	.....	.....	.....	56.92	56.21	55.98	.....	.....	58.10
10	55.44	56.44	56.24	.....	.....	57.17	56.86	58.19	58.18	.....	.....	57.45
15	56.01	56.69	57.09	.....	.....	57.37	56.50	59.66	56.28	.....	.....	57.38
20	55.93	55.88	.....	.....	.....	57.33	57.29	56.75	56.06	.....	.....	57.32
25	55.97	55.91	.....	.....	.....	57.33	57.46	56.72	56.52	.....	.....	57.05
Eom	56.04	56.19	.....	.....	.....	57.04	56.89	58.48	56.39	.....	57.54	57.00
1974												
5	56.97	.....	.....	.....	58.53	59.42	59.83	60.06	61.62	57.06	.....	.....
10	55.26	.....	.....	.....	59.35	59.46	59.68	59.80	58.86	58.42	.....	.....
15	56.31	.....	.....	.....	58.72	59.44	59.92	59.48	58.35	58.22	.....	.....
20	.....	.....	.....	.....	58.87	59.53	59.85	59.34	57.94	57.63	.....	.....
25	.....	.....	.....	60.96	60.83	59.61	59.92	59.19	57.27	57.81	.....	.....
Eom	.....	.....	.....	60.96	59.37	59.74	59.86	58.28	57.21	.....	.....	.....

340740103145501. Local number 2S.35E.23.111. Formerly 2.35.23.111. P. O. Dozier. Drilled irrigation water-table well in valley fill. Diam, depth, and casing information not available. Lsd 3,963 ft (1,208 m) above msl. MP top of concrete pumpbase, 1.50 ft (0.46 m) above lsd. Highest water level 21.32 ft (6.50 m) below lsd, Mar. 27, 1951; lowest 49.26 ft (15.01 m) below lsd, Aug. 11, 1969. Records available: 1949-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1971	40.82	Jan. 4, 1972	39.82	Jan. 3, 1973	40.90	Jan. 3, 1974	41.32
Aug. 16	42.22	Aug. 3	(a)	Aug. 7	41.42	Aug. 12	b51.05

a Well being pumped.

b Well pumped recently.

## Caussey-Lingo Area

335655103032001. Local number 6S.38E.21.233. Formerly 6.38.21.233. C. C. Harvey. Drilled irrigation water-table well in undifferentiated Cretaceous rocks, diam 16 in (41 cm), depth 140 ft (43 m), cased to 140 ft (43 m), casing slotted 100-140 ft (30-43 m). Lsd 3,927 ft (1,197 m) above msl. MP top of 1-in (2.5-cm) hole in north side of pump, 2.10 ft (0.64 m) above lsd. Highest water level 87.18 ft (26.57 m) below lsd, Jan. 31, 1956; lowest 98.50 ft (30.02 m) below lsd, Aug. 13, 1974. Records available: 1956-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1971	95.10	Jan. 6, 1972	95.99	Jan. 8, 1973	95.99	Jan. 7, 1974	97.15
Aug. 16	97.77	Aug. 3	97.07	Aug. 7	95.13	Aug. 13	98.50

## Santa Fe County

## Estancia Valley

350525106025001. Local number 10N.8E.13.133. Formerly 10.8.13.133. W. R. Irby. Drilled irrigation water-table well in valley fill, diam unknown, reported depth 513 ft (156 m), casing information not available. Lsd 6,265 ft (1,910 m) above msl. MP lower inside edge of hole in south side of casing, 0.45 ft (0.14 m) above lsd. Highest water level 86.75 ft (26.44 m) below lsd, Feb. 22, 1950; lowest 121.27 ft (36.96 m) below lsd, Feb. 22, 1973. Records available: 1950-74. Jan. 25, 1971, 111.53; Aug. 18, 122.71 (nearby well being pumped); Jan. 19, 1972, 113.59; Aug. 2, 127.68 (well pumped recently); Feb. 22, 1973, 121.27; Aug. 23 (well being pumped); Jan. 17, 1974, 116.52.

350340106005001. Local number 10N.9E.29.130. Formerly 10.9.29.130. Glen Terry. Drilled irrigation water-table well in Glorieta Sandstone of Permian age, diam 14 in (36 cm), reported depth 200 ft (61 m), cased to 140 ft (43 m). Lsd 6,240 ft (1,902 m) above msl. MP top edge of 3-in (7.5-cm) pipe on north side of pump, 1.30 ft (0.40 m) above lsd. Highest water level 55.13 ft (16.80 m) below lsd, Feb. 18, 1949; lowest 95.72 ft (29.18 m) below lsd, Aug. 23, 1973. Records available: 1949-74. Jan. 25, 1971, 80.72; Aug. 18, 91.39 (nearby well being pumped); Aug. 2, 1972, 96.34 (well pumped recently); Feb. 23, 1973, 87.47; Aug. 23, 95.72; Jan. 17, 1974, 86.96.

## Santa Fe Area

353810106025501. Local number 16N.8E.12.131. Formerly 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 (13 cm), depth 400 ft (122 m), cased. Lsd 6,420 ft (1,957 m) above msl. MP top of 3/8-in (0.37-cm) hole in cover plate, 0.20 ft (0.06 m) above lsd. Highest water level 250.49 ft (76.35 m) below lsd, July 3, 1974; lowest 272.06 ft (82.92 m) below lsd, Aug. 10, 1966. Records available: 1951, 1953-74. Feb. 17, 1971, 252.93; Aug. 19, 253.69; Jan. 21, 1972, 251.48; Aug. 16, 251.25; Aug. 2, 1973, 250.57; Jan. 31, 1974, 252.99; July 3, 250.49.

Sierra County

## Hot Springs Area

325550107184001. Local number 15S.05W.24.312. Owner unknown. Drilled unused water-table well in valley fill, diam 16 in (41 cm), depth and casing information not available. Lsd 4,279 ft (1,304 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 28.89 ft (8.81 m) below lsd, Nov. 5, 1974; lowest 36.20 ft (11.03 m) below lsd, July 15, 1974. Records available: 1974.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	34.53	35.85	31.13	29.69	30.72	28.89	30.48
10	.....	.....	.....	.....	.....	34.76	36.03	30.05	30.00	30.42	28.96	30.82
15	.....	.....	.....	.....	.....	34.98	36.20	29.48	30.43	30.04	29.15	31.14
20	.....	.....	.....	.....	.....	35.22	35.63	29.17	30.84	29.75	29.45	31.45
25	.....	.....	.....	.....	34.02	35.42	34.70	29.17	30.82	29.37	29.80	31.74
Eom	.....	.....	.....	.....	34.29	35.63	32.47	29.38	30.88	28.96	30.13	31.94

## Rincon Valley

325350107175501. Local number 16S.5W.25.211. Formerly 16.5.25.211. U.S. Government. Drilled unused water-table well in valley fill, diam 10 in (25 cm), depth 32 ft (10 m), cased to 32 ft (10 m). Lsd 4,050 ft (1,234 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 11.30 ft (3.44 m) below lsd, Apr. 17, 1947; lowest 27.78 ft (8.47 m) below lsd, Jan. 6, 1958. Records available: 1946-48, 1957-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1971	27.09	Feb. 10, 1972	24.72	Jan. 22, 1973	23.73	Jan. 22, 1974	23.40
Aug. 12	24.92	Aug. 9	24.31	Aug. 15	23.82	Aug. 8	23.66

Taos County

## Sunshine Valley

365655105354001. Local number 1S.73E.19.422. Formerly 1S.73.19.422. Spring Bros. Drilled unused water-table well in Santa Fe Group, diam 16 in (41 cm), depth 446 ft (136 m), cased to 446 ft (136 m). Lsd 7,657 ft (2,334 m) above msl. MP top of casing, 1.18 ft (0.36 m) above lsd. Highest water level 193.95 ft (59.12 m) below lsd, June 5, 1957; lowest 219.94 ft (67.04 m) below lsd, Aug. 2, 1961. Records available: 1955-65, 1967-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3, 1971	196.32	Feb. 16, 1972	196.04	Feb. 22, 1973	196.16	Feb. 20, 1974	195.51
Aug. 19	197.08	Aug. 2	196.40	Aug. 21	197.04	Aug. 2	195.50

365410105345401. Local number 2S.73E.5.222. Owner unknown. Drilled domestic and stock water-table well in Santa Fe Group, diam 6 in (15 cm), depth unknown, cased with plastic pipe. Lsd 7,587 ft (2,313 m) above msl. MP 1-in (2.5-cm) hole in plate over casing, 10 ft (3 m) above top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 79.95 ft (24.37 m) below lsd, Aug. 2, 1974; lowest 81.33 ft (24.79 m) below lsd, Feb. 21, 1974. Records available: 1974. Replaces well 2S.74E.11.222. Feb. 21, 1974, 81.33; Aug. 2, 79.95.

365610105375501. Local number 2S.74E.11.222. Formerly 2S.74.11.222. Top O'The World Farms, Inc. Drilled irrigation water-table well in Santa Fe Group, diam 16 in (41 cm), depth 435 ft (133 m), casing information not available. Lsd 7,554 ft (2,302 m) above msl. MP hole in pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 229.82 ft (70.05 m) below lsd, Feb. 10, 1967; lowest 248.95 ft (75.88 m) below lsd, Aug. 2, 1972. Records available: 1966-72. Measurement discontinued. Replaced by well 2S.73E.5.222. Feb. 4, 1971, 236.90; Aug. 19, 245.25; Feb. 17, 1972, 236.90; Aug. 2, 248.95.

365036105355301. Local number 30N.13E.18.112. Owner unknown. Drilled observation water-table well in valley fill, diam 10 in (25 cm), depth 500 ft (152 m), cased to 500 ft (152 m). Lsd 7,600 ft (2,316 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 71.53 ft (21.80 m) below lsd, Sept. 6, 1973; lowest 77.04 ft (23.48 m) below lsd, Feb. 8, 1974. Records available: 1973-74. Sept. 6, 1973, 71.53; Feb. 8, 1974, 77.04.

Torrance County

## Estancia Valley

343458106042001. Local number 4N.8E.11.433. Formerly 4.8.11.433. F. D. Breedlove. Drilled unused water-table well in valley fill, diam 16 in (41 cm), reported depth 180 ft (55 m), cased to 160 ft (49 m). Lsd 6,148 ft (1,874 m) above msl. MP top of casing at high point on northwest side of well, 0.70 ft (0.21 m) above lsd. Highest water level 82.93 ft (25.28 m) below lsd, May 2, 1951; lowest 115.20 ft (35.11 m) below lsd, Aug. 2, 1972. Records available: 1950-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1971	97.27	Jan. 19, 1972	98.19	Feb. 15, 1973	113.41	Jan. 16, 1974	100.06
Aug. 28	111.86	Aug. 2	115.20	Aug. 23	111.82	Aug. 19	(a)

a Well being pumped.

344016106064701. Local number 5N.8E.8.424. Formerly 5.8.8.424. A. T. Austin. Drilled irrigation water-table well in valley fill, diam 16 in (41 cm), reported depth 204 ft (62 m), cased to 98 ft (30 m). Lsd 6,214 ft (1,894 m) above msl. MP top of casing, 0.80 ft (0.24 m) above lsd. Highest water level 62.03 ft (18.91 m) below lsd, Mar. 23, 1948; lowest 113.04 ft (34.45 m) below lsd, Jan. 18, 1972. Records available: 1948-74. Jan. 26, 1971, 100.47; Aug. 18 (well being pumped); Jan. 18, 1972, 113.04; Feb. 26, 1973, 103.10; Aug. 23 (well being pumped); Jan. 16, 1974, 106.47; Aug. 19 (well being pumped).

344234106074901. Local number 6N.8E.32.212. Formerly 6.8.32.212. Revis Strong. Drilled irrigation water-table well in valley fill, diam 18 in (46 cm), reported depth 209 ft (64 m), cased to 84 ft (26 m). Lsd 6,165 ft (1,879 m) above msl. MP top of 1½-in (3.8-cm) hole in pumpbase, 0.04 ft (0.01 m) above lsd. Highest water level 23.22 ft (7.08 m) below lsd, Feb. 18, 1947; lowest 57.04 ft (17.39 m) below lsd, Jan. 17, 1974. Records available: 1947-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1971	53.70	Jan. 18, 1972	56.11	Feb. 26, 1973	56.54	Jan. 17, 1974	57.04
Aug. 18	(a)	Aug. 2	a84.94	Aug. 23	(a)	Aug. 19	(a)

a Well being pumped.

344622105575501. Local number 6N.9E.11.211. Formerly 6.9.11.211. R. O. Brown. Drilled irrigation water-table well in valley fill, diam 18 in (46 cm), reported depth 148 ft (45 m), cased to 140 ft (43 m). Lsd 6,086 ft (1,855 m) above msl. MP top of casing, 0.75 ft (0.23 m) above lsd. Highest water level 5.07 ft (1.55 m) below lsd, May 4, 1949; lowest 16.49 ft (5.03 m) below lsd, Aug. 23, 1973. Records available: 1949-74.

Jan. 26, 1971	8.56	Jan. 19, 1972	9.03	Feb. 27, 1973	8.47	Jan. 17, 1974	9.07
Aug. 18	10.36	Aug. 2	11.25	Aug. 23	16.49	Aug. 19	14.80

344937106092201. Local number 7N.7E.13.431. Woodrow Clements. Drilled unused water-table well in Madera Formation, diam 7 in (18 cm), depth and casing information not available. Lsd 6,500 ft (1,981 m) above msl. MP top of casing at concrete slab level, 0.20 ft (0.06 m) above lsd. Highest water level 110.28 ft (33.61 m) below lsd, Aug. 19, 1974; lowest 110.33 ft (33.63 m) below lsd, Feb. 27, 1973. Records available: 1973-74. Feb. 27, 1973, 110.33; Jan. 17, 1974, 110.32; Aug. 19, 110.28.

345231106043601. Local number 8N.8E.35.322. Formerly 8.8.35.322. A. C. Hibner. Drilled irrigation water-table well in valley fill(?), diam 16 in (41 cm), reported depth 228 ft (69 m), cased to 110 ft (34 m). Lsd 6,240 ft (1,902 m) above msl. MP top of casing, 0.75 ft (0.23 m) above lsd. Highest water level 50.12 ft (15.28 m) below lsd, May 28, 1947; lowest 98.88 ft (30.14 m) below lsd, Aug. 18, 1971. Records available: 1947-74.

Jan. 27, 1971	95.25	Jan. 19, 1972	96.90	Feb. 27, 1973	95.05	Jan. 17, 1974	92.94
Aug. 18	98.88	Aug. 2	97.97	Aug. 23	94.88	Aug. 19	96.33

345900106034301. Local number 9N.8E.24.334. Valley Land & Irrigation Co. Drilled unused water-table well in valley fill, diam 16 in (41 cm), depth and casing information not available. Lsd 6,380 ft (1,945 m) above msl. MP top of casing, south side, 0.50 ft (0.15 m) above lsd. Highest water level 64.67 ft (19.71 m) below lsd, Feb. 23, 1973; lowest 82.52 ft (25.15 m) below lsd, Aug. 19, 1974. Records available: 1973-74. Feb. 23, 1973, 64.67; Jan. 17, 1974, 66.70; Aug. 19, 82.52.

#### Union County

##### Clayton Area

360940103083501. Local number 19N.36E.23.244. Stevens. Drilled unused water-table well in Dakota Sandstone and Purgatoire Formation, diam 14 in (36 cm), depth 206 ft (63 m), casing information not available. Lsd 4,326 ft (1,319 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 145.22 ft (44.26 m) below lsd, Mar. 17, 1971; lowest 155.65 ft (47.44 m) below lsd, Mar. 24, 1970. Records available: 1967-68, 1970-74. No measurement made in 1969. Nov. 1, 1967, 147.49; Oct. 27, 1968, 146.22; Mar. 24, 1970, 155.65; Mar. 17, 1971, 145.22; Jan. 10, 1972, 145.29; Feb. 2, 1973, 145.53; Feb. 5, 1974, 147.04.

361910103170501. Local number 24N.36E.17.244. Glen Burrows. Drilled unused water-table well in Ogallala Formation, diam 10 in (25 cm), depth 231 ft (70 m), casing information not available. Lsd 4,707 ft (1,435 m) above msl. MP top of casing, 1.30 ft (0.40 m) above lsd. Highest water level 81.38 ft (24.80 m) below lsd, May 8, 1968; lowest 84.28 ft (25.69 m) below lsd, Feb. 7, 1974. Records available: 1968, 1970-74. No measurement made in 1969. May 8, 1968, 81.38; Apr. 10, 1970, 82.53; Mar. 18, 1971, 82.90; Jan. 8, 1972, 82.99; Feb. 1, 1973, 83.67; Feb. 7, 1974, 84.28.

363005103081001. Local number 26N.36E.7.142. J. E. Armes. Drilled unused water-table well in Dakota Sandstone, Purgatoire Formation, and Morrison Formation, diam 16 in (41 cm), depth 770 ft (235 m), casing information not available. Lsd 4,980 ft (1,518 m) above msl. MP top of 16-in (41-cm) casing, level with concrete base, 1.00 ft (0.30 m) above lsd. Highest water level 127.41 ft (38.83 m) below lsd, Mar. 17, 1971; lowest 166.76 ft (50.83 m) below lsd, Feb. 6, 1974. Records available: 1967, 1971-74. No measurement made in 1968-70. Nov. 9, 1967, 136.62; Mar. 17, 1971, 127.41; Jan. 7, 1972, 139.89; Feb. 1, 1973, 132.97; Feb. 6, 1974, 166.76.

## Capulin Basin

364430107595501. Local number 29N.28E.18.341. Formerly 29.28.18.341. City of Raton. 300 ft (91 m) north of U.S. Highway 64-87 at Capulin. Drilled irrigation water-table well in cinders, diam 16 in (41 cm), depth 78 ft (24 m), cased to 78 ft (24 m). Lsd 6,821.2 ft (2,079.1 m) above msl. MP edge of 2-in (5.1-cm) hole in west side of steel plate, at lsd. Highest water level 28.01 ft (8.54 m) below lsd, Feb. 8, 1974; lowest 34.90 ft (10.64 m) below lsd, Jan. 31, 1973. Records available: 1951, 1957-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3, 1971	33.80	Jan. 7, 1972	31.97	Jan. 31, 1973	34.90	Feb. 8, 1974	28.01
Aug. 6	33.31	Aug. 8	33.40	Aug. 21	33.35	Aug. 1	33.83

## Valencia County

## Grants-Bluewater Area

350400107510501. Local number 10N.10W.26.331. Formerly 10.10.26.331. Monico Mirabal. Drilled irrigation water-table well in Gorieta Sandstone of Permian age, diam 16 in (41 cm), depth 216 ft (66 m), cased to 216 ft (66 m). Lsd 6,455 ft (1,967 m) above msl. MP top of 4-in (1.3-cm) hole in pumpbase, 1.00 ft (0.30 m) above lsd. Highest water level 22.15 ft (6.75 m) below lsd, Apr. 2, 1968; lowest 32.77 ft (9.99 m) below lsd, Aug. 23, 1966. Records available: 1952-74.

Jan. 11, 1971	28.44	Jan. 20, 1972	28.83	Jan. 24, 1973	28.60	Jan. 14, 1974	28.53
Aug. 2	29.54	Aug. 1	29.21	Aug. 28	29.64	Aug. 6	30.26

350925107523001. Local number 11N.10W.27.241. Formerly 11.10.27.241. City of Grants. Drilled industrial water-table well in San Andres Limestone of Permian age, diam 16 to 12 in (41 to 30 cm), depth 158 ft (48 m), perforated to 58 ft (18 m). Lsd 6,480 ft (1,975 m) above msl. MP top of 1-in (2.5-cm) hole in pumpbase, 1.35 ft (0.41 m) above lsd. Highest water level 19.86 ft (6.05 m) below lsd, Feb. 20, 1953; lowest 39.08 ft (11.91 m) below lsd, Aug. 1, 1972. Records available: 1953-74.

Jan. 11, 1971	31.25	Jan. 19, 1972	33.99	Jan. 24, 1973	35.27	Jan. 14, 1974	33.84
Aug. 2	36.12	Aug. 1	39.08	Aug. 28	36.57	Aug. 6	35.18

351400107524201. Local number 12N.10W.29.434. Formerly 12.10.29.434. A. R. Card. Drilled unused artesian well in San Andres Limestone of Permian age, diam 18 in (46 cm), reported depth 205 ft (62 m), cased 0-150 ft (0-46 m), perforated 93-130 ft (28-40 m). Lsd 6,552 ft (1,997 m) above msl. MP lower edge of hole in north side of casing, 2.20 ft (0.67 m) above lsd. Highest water level 65.46 ft (19.95 m) below lsd, Oct. 14, 1944; lowest 100.74 ft (30.71 m) below lsd, Nov. 3, 1959. Records available: 1944, 1946-74.

Jan. 11, 1971	98.93	Jan. 19, 1972	99.02	Jan. 24, 1973	100.29	Jan. 14, 1974	98.85
Aug. 2	99.22	Aug. 1	99.07	Aug. 28	98.82	Aug. 21	98.80

351730107535001. Local number 12N.11W.9.221. Formerly 12.11.9.221. J. Church Co. Drilled unused water-table well in San Andres Limestone of Permian age, diam 18 in (46 cm), depth 500 ft (152 m), cased to 500 ft (152 m). Lsd 6,649 ft (2,027 m) above msl. MP top of casing at low point, 2.22 ft (0.68 m) above lsd. Highest water level 115.70 ft (35.27 m) below lsd, Feb. 27, 1946; lowest 193.51 ft (58.98 m) below lsd, June 30, 1957. Records available: 1946-74.

Highest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	154.75	155.01	154.87	e155.92	158.26	159.26	160.37	160.27	160.43	160.68	160.74	160.76
10	154.78	155.15	155.04	e156.42	158.40	140.47	160.59	160.33	160.43	160.68	160.74	160.75
15	155.04	155.04	155.10	e156.92	158.60	140.77	160.79	160.33	160.48	160.64	160.72	160.79
20	154.96	154.87	155.09	e157.42	158.86	140.99	160.13	160.45	160.51	160.64	160.77	160.84
25	154.99	154.87	155.07	e157.92	158.99	160.22	160.08	160.45	160.55	160.67	160.77	160.84
Eom	155.05	154.91	e155.42	158.54	159.04	160.32	160.11	160.45	160.57	160.66	160.75	160.84

1972

5	160.84	140.72	140.43	151.19	163.19	163.78	.....	172.14	173.61	174.26	164.63	163.71
10	160.84	140.67	140.42	151.23	163.41	.....	.....	172.72	174.62	174.03	164.48	163.90
15	160.84	140.59	141.24	151.12	163.78	.....	163.77	173.65	175.63	173.80	164.32	163.96
20	140.75	140.69	151.21	151.13	163.77	.....	163.78	174.13	175.27	173.49	164.13	163.84
25	140.74	140.51	141.14	151.03	163.78	.....	163.78	174.75	174.67	165.08	164.07	163.86
Eom	140.67	140.34	151.11	151.17	163.78	.....	163.77	174.04	174.47	164.81	164.07	163.73

1973

5	163.64	163.53	162.75	161.07	157.41	152.90	150.44	148.32	.....	.....	.....	.....
10	163.54	163.35	162.60	160.65	156.90	152.14	150.04	148.30	.....	.....	.....	.....
15	163.62	163.30	162.45	160.12	156.23	151.66	149.22	148.30	.....	.....	.....	.....
20	163.23	163.29	162.15	159.59	155.25	151.52	148.78	148.29	.....	.....	.....	.....
25	163.34	163.20	161.73	159.11	154.22	151.05	148.75	148.22	.....	.....	.....	.....
Eom	163.27	163.02	161.50	158.22	153.30	150.74	148.50	.....	.....	.....	.....	.....

1974

5	.....	144.99	144.16	142.70	142.95	140.75	140.24	140.61	141.35	142.20	143.00	143.68
10	.....	144.93	144.23	142.68	142.35	140.72	140.24	140.81	141.39	142.32	143.12	143.78
15	146.65	144.66	144.11	143.32	141.86	140.49	140.40	141.08	141.65	142.64	143.17	143.91
20	146.09	144.07	143.60	143.37	141.57	140.36	140.44	141.09	141.79	142.69	143.46	144.11
25	145.78	144.20	143.30	143.24	141.37	140.34	140.52	141.22	141.93	142.80	143.49	144.06
Eom	145.46	144.18	142.71	143.40	141.00	140.20	140.58	141.24	142.12	142.85	143.66	144.01

e Estimated.

351650107535001. Local number 12N.11W.9.424. Formerly 12.11.9.424. George Rowley. Drilled unused artesian well in San Andres Limestone and Yeso Formation of Permian age, diam 16 in (41 cm), reported depth 595 ft (154 m). 16-in (41-cm) casing to 175 ft (53 m), 12-in (30-cm) casing to 325 ft (99 m). Lsd 6,642 ft (2,024 m) above msl. MP top of casing, 3.05 ft (0.93 m) above lsd. Highest water level 93.75 ft (28.58 m) below lsd, May 10, 1946; lowest 139.05 ft (42.38 m) below lsd, Aug. 1, 1957. Records available: 1946-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1971	124.38	Jan. 19, 1972	126.70	Jan. 26, 1973	128.70	Jan. 15, 1974	119.65
Aug. 2	125.70	Aug. 1	126.57	Aug. 28	121.85	Aug. 21	117.34

351610107514501. Local number 12N.11W.14.213. Formerly 12.11.14.213. Duane Berryhill. Drilled unused water-table well in alluvium of Quaternary age, diam 4 in (10 cm), depth 130 ft (40 m), surface casing 5 ft (2 m). Lsd 6,605.4 ft (2,013.3 m) above msl. MP top of 4-in (10-cm) down-spout, 3.70 ft (1.13 m) above lsd. Highest water level 85.83 ft (26.16 m) below lsd, Aug. 3, 1967; lowest 101.39 ft (30.90 m) below lsd, June 10, 1954. Records available: 1949-74. Jan. 12, 1971, 90.74; Jan. 19, 1972, 91.84; Aug. 1, 92.19; Jan. 26, 1973, 91.65; Aug. 28, 90.31; Jan. 15, 1974, 89.65; Aug. 21, 88.79.

## References

- Cruz, R. R., 1972, Annual water resources review, White Sands Missile Range, 1971--a basic-data report: U.S. Geol. Survey open-file report, 35 p., 8 figs.
- 1973, Annual water-resources review, White Sands Missile Range, 1972--a basic data report: U.S. Geol. Survey open-file report, 35 p., 8 figs.
- 1974, Annual water-resources review, White Sands Missile Range, 1973--a basic-data report: U.S. Geol. Survey open-file report, 36 p., 9 figs.
- Dinwiddie, G. A., and Clebsch, Alfred, Jr., 1973, Water Resources of Guadalupe County, New Mexico: New Mexico State Bur. of Mines and Mineral Resources Hydrol. Rept. 3, 43 p., 9 figs.
- Hiss, W. L., 1971, Water-level changes in the Permian Capitan aquifer, Eddy and southern Lea counties, New Mexico: New Mexico Prof. Engineer 7 p., 3 figs.
- 1973, Capitan aquifer observation-well network, Carlsbad to Jal, New Mexico: New Mexico State Engineer Tech. Rept. 76 p., 11 figs.
- 1974, Reduction of ground-water flow through the Capitan and Goat Seep limestone by incised contemporaneous submarine canyons: Geol. Soc. of America, in Abstracts with programs v. 6, no. 7.
- Hudson, J. D., 1971, Change in ground-water level in deposits of post Mesozoic age beginning of 1947 to end of 1961, in the northern and central part of Lea County, New Mexico [maps]: New Mexico State Engineer Tax-map ser., Maps LN-1 to 3 and LC-1 to 3.
- 1971, Delineated areas of decline in the ground-water reservoir in the northern and central part of Lea County, New Mexico, 1962-1969 [maps]: New Mexico State Engineer Tax-map ser., Maps LN-5 to 12 and LC-5 to 12.
- 1971, Delineated areas of decline in the ground-water reservoir in the northern and central part of Lea County, New Mexico, in 1970 [maps]: New Mexico State Engineer Tax-map Ser., Maps LN-13 and LC-13.
- 1972, Delineated areas of water-level decline in the ground-water reservoir, Portales Valley, Roosevelt County, New Mexico 1971 [map]: New Mexico State Engineer Map RO-15.
- 1972, Delineated areas of water-level decline in the ground-water reservoir in a part of Curry County, New Mexico, 1971 [maps]: New Mexico State Engineer Map CU-12.
- 1972, Delineated areas of decline in the ground-water reservoir in the central (map LC-14) and northern (map LN-14) part of Lea County, New Mexico, in 1971 [2 maps]: New Mexico State Engineer Map LC-14 and Map LN-14.
- 1973, Delineated areas of water-level decline in the ground-water reservoir, Portales Valley, Roosevelt County, New Mexico, 1972 [1 map]: New Mexico State Engineer Map RO-16.
- 1973, Delineated areas of water-level decline in the ground-water reservoir in a part of Curry County, New Mexico, 1973 [1 map]: New Mexico State Engineer Map CU-13.
- 1973, Delineated areas of decline in the ground-water reservoir in the central (map LC-15) and northern (map LN-15) part of Lea County, New Mexico in 1972 [2 maps]: New Mexico State Engineer Maps LC-15 and LN-15.
- 1974, Ground-water depletion, in feet, allowed in central (map LC-16) and northern (map LN-16) Lea County, New Mexico, by U.S. Internal Revenue Service for Calendar Year 1973 [2 maps]: New Mexico State Engineer Maps LC-16 and LN-16.
- 1974, Ground-water depletion, in feet, allowed in Portales Valley, Roosevelt County, New Mexico, by U.S. Internal Revenue Service for Calendar Year, 1973 [map]: New Mexico State Engineer Map RO-17.
- 1974, Ground-water depletion, in feet, allowed in a part of Curry County, New Mexico, by U.S. Internal Revenue Service for Calendar Year, 1973 [map]: New Mexico State Engineer Map CU-14.
- Kelly, T. E., 1972, Reconnaissance investigation of ground water in the Rio Grande drainage basin--with special emphasis on saline ground-water resources [atlas]: U.S. Geol. Survey HA-510, 46 p., 4 pls.
- 1973, Summary of ground-water data at Post Headquarters and adjacent areas, White Sands Missile Range: U.S. Geol. Survey open-file report, 66 p., 33 figs.
- Koopman, F. C., 1972, Estimated ground-water flow, volume of water in storage, and potential yield of wells in the Pojoaque River drainage basin, Santa Fe County, New Mexico: U.S. Geol. Survey open-file report 74-159, 33 p., 7 figs.
- Kunkler, J. L., 1972, Saline ground water in east-central New Mexico: New Mexico Geol. Soc. Guidebook, 23d Field Conf., 2 p.
- Mercer, J. W., and Lappala, E. G., 1971, Ground-water resources of the Mora River drainage basin within western Mora County, New Mexico: U.S. Geol. Survey open-file report, 138 p., 18 figs.
- Reiland, L. J., and Koopman, F. C., 1974, Estimated availability of surface and ground water in the Pojoaque River drainage basin, Santa Fe County, New Mexico: U.S. Geol. Survey open-file report 74-151, 35 p., 2 figs.
- Trainer, F. W., 1974a, Ground water in the southwestern part of the Jemez Mountains volcanic region, New Mexico: New Mexico Geol. Soc. Guidebook, 25th Field Conf., 9 p., 2 figs.
- Trauger, F. D., 1972, Ground water in east-central New Mexico: New Mexico Geol. Soc. Guidebook, 23d Field Conf., 7 p.
- Welder, G. E., 1971, Map showing the altitude and configuration of the water level in the "shallow aquifer," January 1969, Roswell basin, Chaves and Eddy Counties, New Mexico [map]: U.S. Geol. Survey open-file report.
- West, S. W., and Broadhurst, W. L., 1973, Summary appraisals of the Nation's ground-water resources --Rio Grande Region: U.S. Geol. Survey Professional Paper 813D, p. D1-D39.