levels in late fall. Wells in the southwestern part of the Rathdrum Valley are sufficiently distant from the lake that their water levels are influenced chiefly by regional ground-water recharge factors. Figure 17 is a long-term hydrograph for well 53N 4W-24bb1, about 10 miles southwest of Pend Oreille Lake. The water level in the well declined only about 0.5 foot during 1954; the net rise since the start of a wet cycle in 1941 remained at about 16 feet. Artificial regulation of Pend Oreille Lake, holding it several feet higher than its natural maximum level, probably has increased ground-water recharge to the Rathdrum Valley by increased underflow from the lake. Thus ground-water levels may remain slightly higher than formerly, and the range of their fluctuations may be lessened.

The water level in Latah County well 39N 5W-7dd1, a nonflowing artesian well in the Moscow Basin, declined about 4 feet net, continuing the downward trend that began many years ago. In well 39N 5W-10ac1, a shallow water-table well east of the Moscow Basin, the water level declined about 1 foot.

In the Malad Valley of Oneida County, 8 of 28 observed wells reached record-low levels, but well 15S 35E-12ab2 attained a record high. Of 21 wells with long-term records, water levels in 17 wells ranged from about 0.3 foot to 11 feet below the 1953 year-end levels; in 4 wells water levels were about 0.7 foot to 9 feet above the 1953 year-end levels. The generally lower water levels in the Malad Valley, where most of the wells are artesian, may result from below-normal precipitation during 1953 and 1954. Differences between the net changes of water levels in various wells and differing departures from average are partly a result of local pumpage and discharge by flowing wells. Wells in the Malad Valley characteristically reach their highest levels during the period February to April. The ground-water hydrology of the Malad Valley is complex, and no simple explanation will account for all water-level fluctuations.

The water level in well 7N 5W-3da1 in the Payette Valley of Payette County did not change from 1953, although precipitation in 1954 was considerably below the 1953 total. Effects of local precipitation on water-level fluctuations in this well are masked by the effects of artificial recharge from irrigation.

During 1954 the following wells were discontinued as observation wells: wells 3N 1W-1cc1, 3N 1W-10cc1, and 3N 1E-4ba1 in Ada County; well 3N 2W-23dc1 in Canyon County; wells 10S 23E-20dc1, and 10S 23E-20dc3 in Cassia County; and well 4N 37E-28bb1 in Jefferson County.

Water-level fluctuations in 1954 in observation wells with 10 or more years of record are summarized in the following tables:

Changes in water levels in observation wells and precipitation in Idaho, 1954

Water levels, in feet			Precipitation, in inches, at nearest U. S. Weather Bureau Station			
County and well no.	Net change	Departure from average	Station	Total precipitation	Departure from normal	Net departure from 1953 total
Ada						
4N 1W-36da1	+1.78	+4.30	Meridian	8.17	-3.51	-5.95
3N 1W- 1cc1	+1.65	+2.85				
10cc1	+1.11	+2.12				
3N 1E- 5aa1	-.2	-.89	Boise Airport	8.16	-3.32	-5.64
11bb1	+2.65	+5.49				
Boise						
7N 2E-34ca1	-2.5	-1.39	Emmett	10.36	-1.09	-7.35
Bonneville						
3N 41E-6cb1	-.5	-2.84	Idaho Falls	8.25		+.32
Canyon						
3N 2W-23dc1	+3.0	+3.63	Nampa	6.57		-5.52
25aa1	+4.1	+5.31				
Cassia						
13S 26E-24aa1	-2.58	-3.62				
16S 27E-26ba1	-9.4	-10.43				
Kootenai						
53N 4W-24bb1	-.5	+9.16	Coeur d'Alene	25.54	+1.19	+1.35
53N 2W- 3bc1	+8.0	+9.35				
9aa1	+8.8	+9.31				
51N 5W-33bb1	+3.2	+8.80				
50N 5W- 1aa1	-1.8	+6.24				

Water Levels and Artesian Pressures in Observation Wells in the United States 1954

Part 5. Northwestern States

Prepared under the direction of A. N. SAYRE, *Chief, Ground Water Branch*

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1325

Prepared in cooperation with the States of Colorado, Idaho, Oregon, Utah, Washington, and Wyoming, and with other agencies

UNITED STATES GOVERNMENT PRINTING OFFICE, WASHINGTON : 1956

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Fred A. Seaton, *Secretary*

GEOLOGICAL SURVEY

Thomas B. Nolan, *Director*

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PREFACE

This report was prepared by the Geological Survey in cooperation with the States of Colorado, Idaho, Oregon, Utah, Washington, and Wyoming, and with other agencies, by persconnel of the Water Resources Diision under the direction of:

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ILLUSTRATIONS

WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS IN THE UNITED STATES IN 1954

Part 5. NORTHWESTERN STATES

INTRODUCTION

By A. N. Sayre

The publication of records of water levels and artesian pressures annually in the United States was begun by the Geological Survey in 1935. Prior to 1940 the records for each year were published in a single volume--1935, 777; 1936, 817; 1937, 840; 1938, 845; 1939, 886. Since 1940 records have been published in six annual volumes, covering the northeastern, southeastern, north-central, south-central, northwestern, and southwestern sections of the country. Hawaii is included in the southwestern section. The following table gives the numbers of Water-Supply Papers from 1940 through 1954.

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

The objectives of the observation-well program are to provide a day-to-day evaluation of available ground-water supplies, to facilitate the prediction of trends in ground-water levels that will indicate the probable status of important ground-water supplies in the future, to delineate present or potential areas of detrimentally high or low ground-water levels, to aid in the prediction of the base flow of streams, to determine the several forces that act on a ground-water body, and to demonstrate the interplay of those forces in the ground-water regimen, to furnish information for use in basic research, and to provide long-term continuous records of fluctuations of water levels in representative wells. These selected records serve as a framework to which many short-term records collected during an intensive investigation may be related.

Water levels in wells are seldom stationary but move up or down a fraction of an inch or many feet within a short time. Water-table wells may be influenced by direct recharge from precipitation, withdrawals from wells or springs, transpiration by vegetation, evaporation from the soil, and changes in atmospheric pressure. Artesian wells are influenced over large areas by changes in the rate of pumping from other wells, changes in atmospheric pressure, earthquakes, ocean tides, earth tides, and recharge from precipitation, although the recharge may not be noticeable immediately. When accurate comparisons of water levels are made it is desirable to apply corrections for these influences, several of which may be compensating or additive according to the conditions at those particular times.

Water-level measurements are given in feet with reference to land-surface datum or sea-level datum. Land-surface datum is a precise datum plane that is about at land surface at each well. Mean sea level (msl) is the datum plane on which the national network of precise levels is based. When some measurements in a table are above and others are below the plane of reference, a plus (+) or minus (-) sign is placed before the first entry in each column. Readings between minus signs are below the plane of reference and those between plus signs are above the plane of reference.

For the most part, discussions of precipitation in this report are based on data furnished by the U. S. Weather Bureau.

Measurements of water levels and artesian pressures in wells were made under the direction of the district supervisors of the Ground Water Branch in the several States.

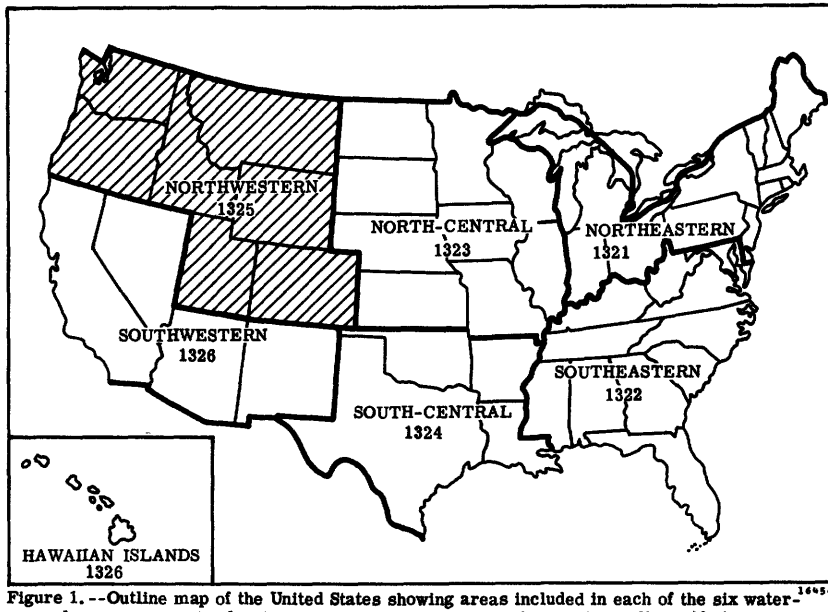


Figure 1.--Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1954. The shaded area indicates the States included in this volume. 16456

Verda M. Dougherty was responsible for the compilation of the report and Rodney Hart edited the illustrations.

COLORADO

By V. M. Burtis

Scope of Water-Level Program

The observation-well program in Colorado was continued in 1954 in cooperation with the Colorado Water Conservation Board and the Colorado Agricultural Experiment Station. Measurements were made in 246 wells, 5 of which were equipped with recording gages. Figures 2-10 show the location of observation wells in the State. Water levels in 143 wells were measured by W. E. Code of the Agricultural Experiment Station.

Precipitation

Precipitation in Colorado was about normal in July and September and was below normal during the remainder of the year. Precipitation during February and April was at an alltime low for these months.

Interpretation of Water-Level Fluctuations

Water levels have declined throughout the State. Water levels in the majority of observation wells in Adams, Arapahoe, El Paso, Huerfano, Larimer, Morgan, Otero, Pueblo, Sedgwick, Washington, and Weld Counties declined to record lows, and some record lows were established in Elbert and Logan Counties. Pumpage of ground water for irrigation has increased rapidly, owing to below-normal precipitation and to the consequent decrease in surface-water supplies normally used for that purpose. For this reason, not only have water levels in the tributary valleys of the South Platte continued to decline at a serious rate, but also water levels in the main stem and in major tributary valleys, where normally surface water is applied for irrigation, have declined at an accelerated rate. Water levels in the Arkansas Basin continued to decline, in general, even though water levels in a few observation wells in Baca and Huerfano Counties reached new highs. Water levels in San Luis Valley, in general, declined slightly, although there were slight to moderate rises in some wells.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first letter of a well number gives the quadrant of the meridian and baseline system, beginning in the northeast quadrant (A) and proceeding counterclockwise. All wells in Colorado lie in the northwest (B) and southwest (C) quadrants of the 6th principal meridian and 40th parallel baseline system. The first segment of a well number indicates the township, the second the range, and the third the section. The lowercase letters a, b, c, and d after the section number locate the well within the section. The first letter denotes the 160-acre tract, the second letter the 40-acre tract, and the third letter the 10-acre tract.

Well Descriptions and Water-Level Measurements

(Water levels are in feet below land-surface datum unless otherwise indicated.)

Adams County

C-1-60-4ccc. W. L. Freeman. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 86 feet. Land-surface datum is 4,800.9 feet above msl. Highest water level 18.00 below lsd, Nov. 29, 1940; lowest 32.50 below lsd, Oct. 21, 1954. Records available: 1940-54. Apr. 6, 27.80; Oct. 21, 32.50.

C-1-60-17dcc. Carl Sanden. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 87 feet. Land-surface datum is 4,830.8 feet above msl. Highest water level 25.09 below lsd, Nov. 19, 1942; lowest 40.00 below lsd, Oct. 21, 1954. Records available: 1942-54. Apr. 6, 31.85; Oct. 21, 40.00.

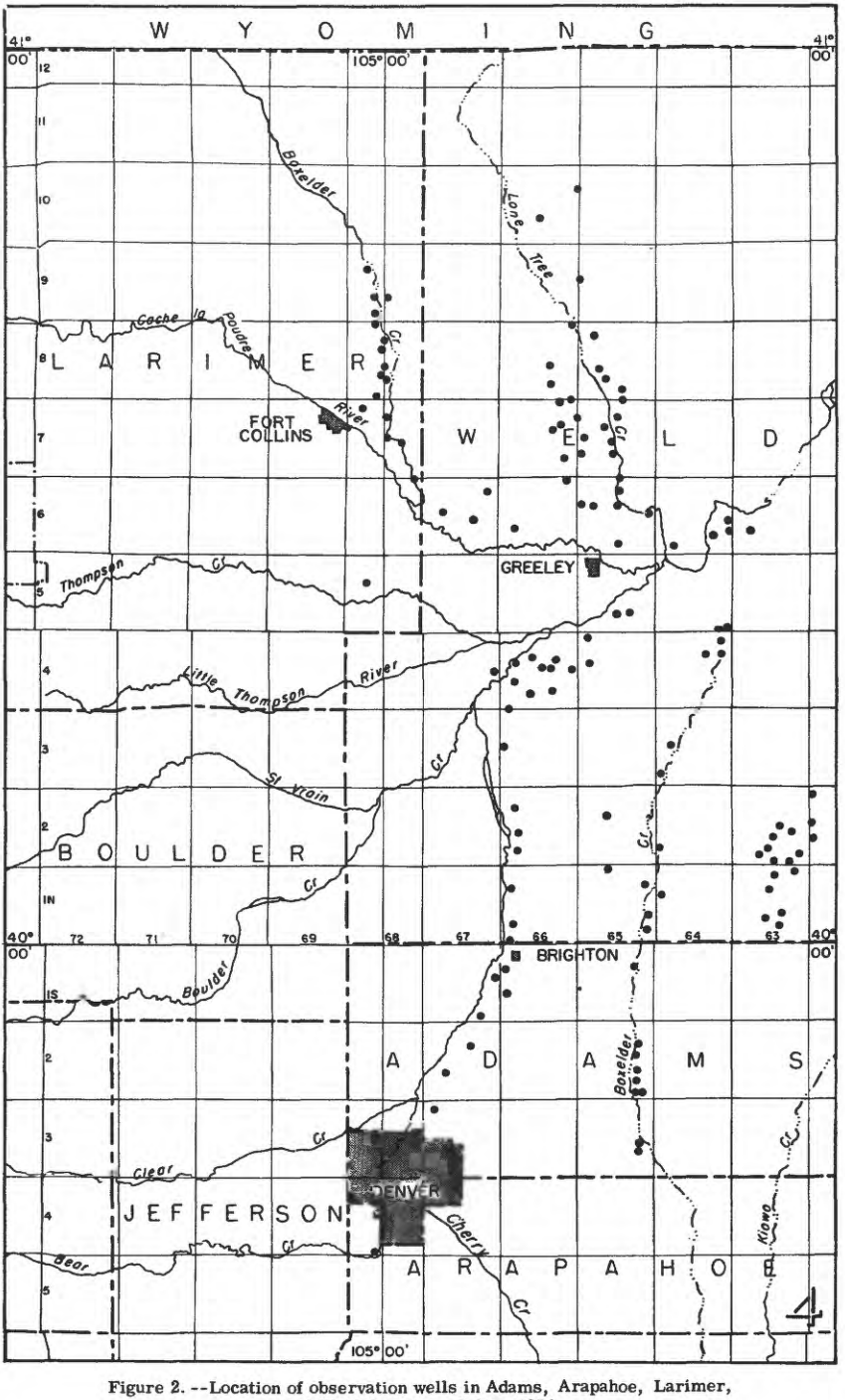


Figure 2. --Location of observation wells in Adams, Arapahoe, Larimer, and Weld Counties, Colo., 1954.

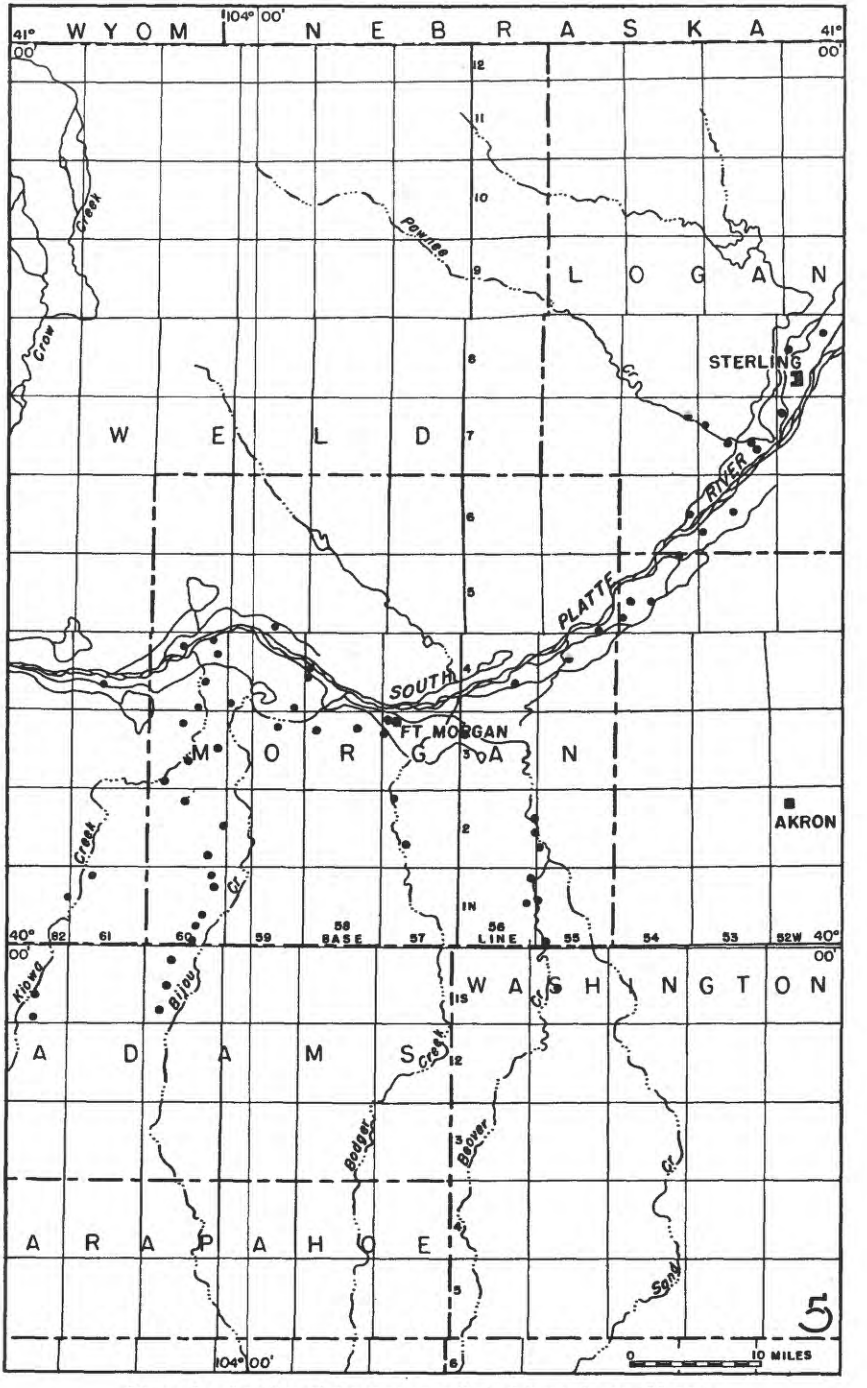


Figure 3. --Location of observation wells in Adams, Logan, Morgan, and Washington Counties, Colo., 1954.

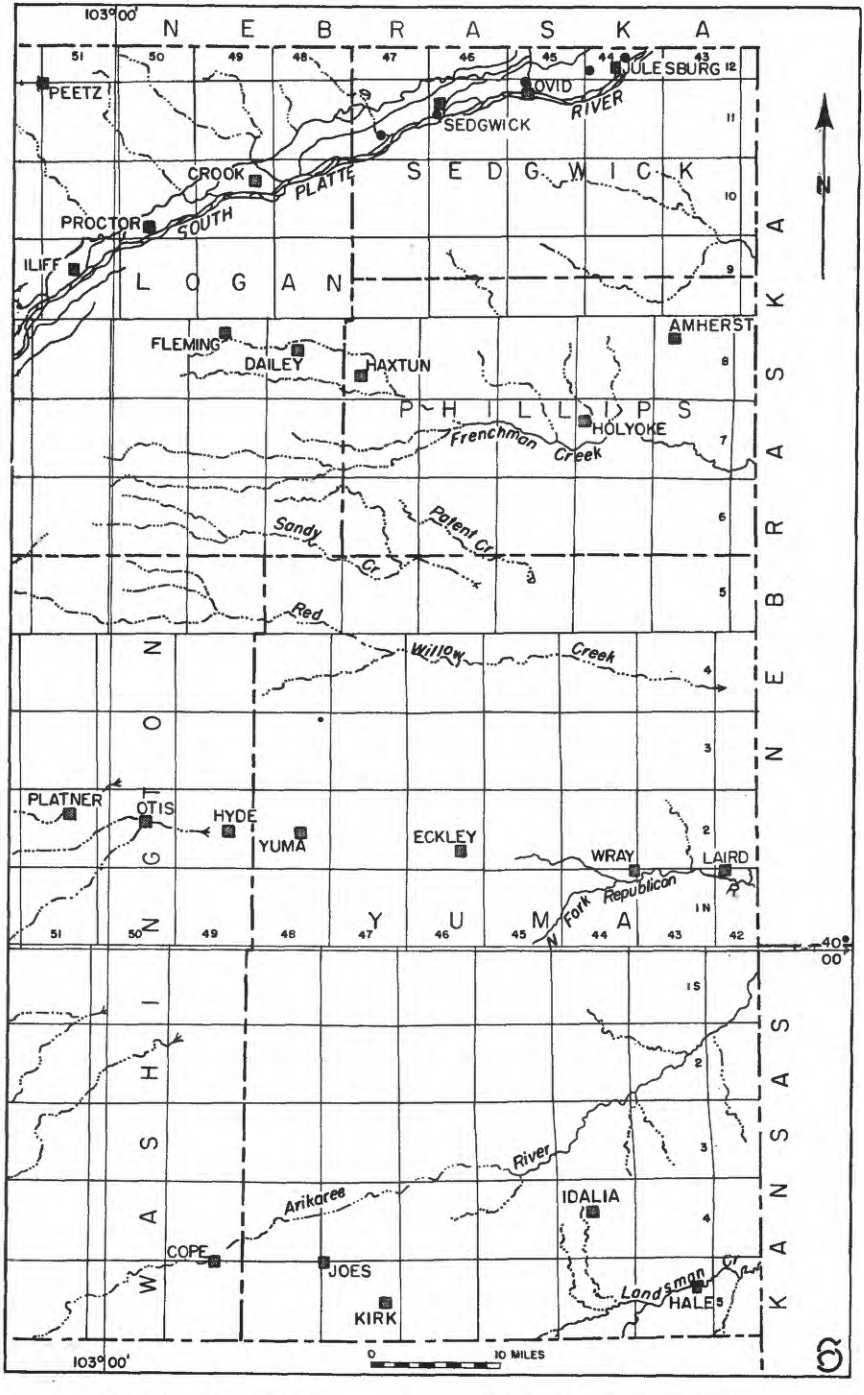


Figure 4. --Location of observation wells in Sedgwick County, Colo., 1954.

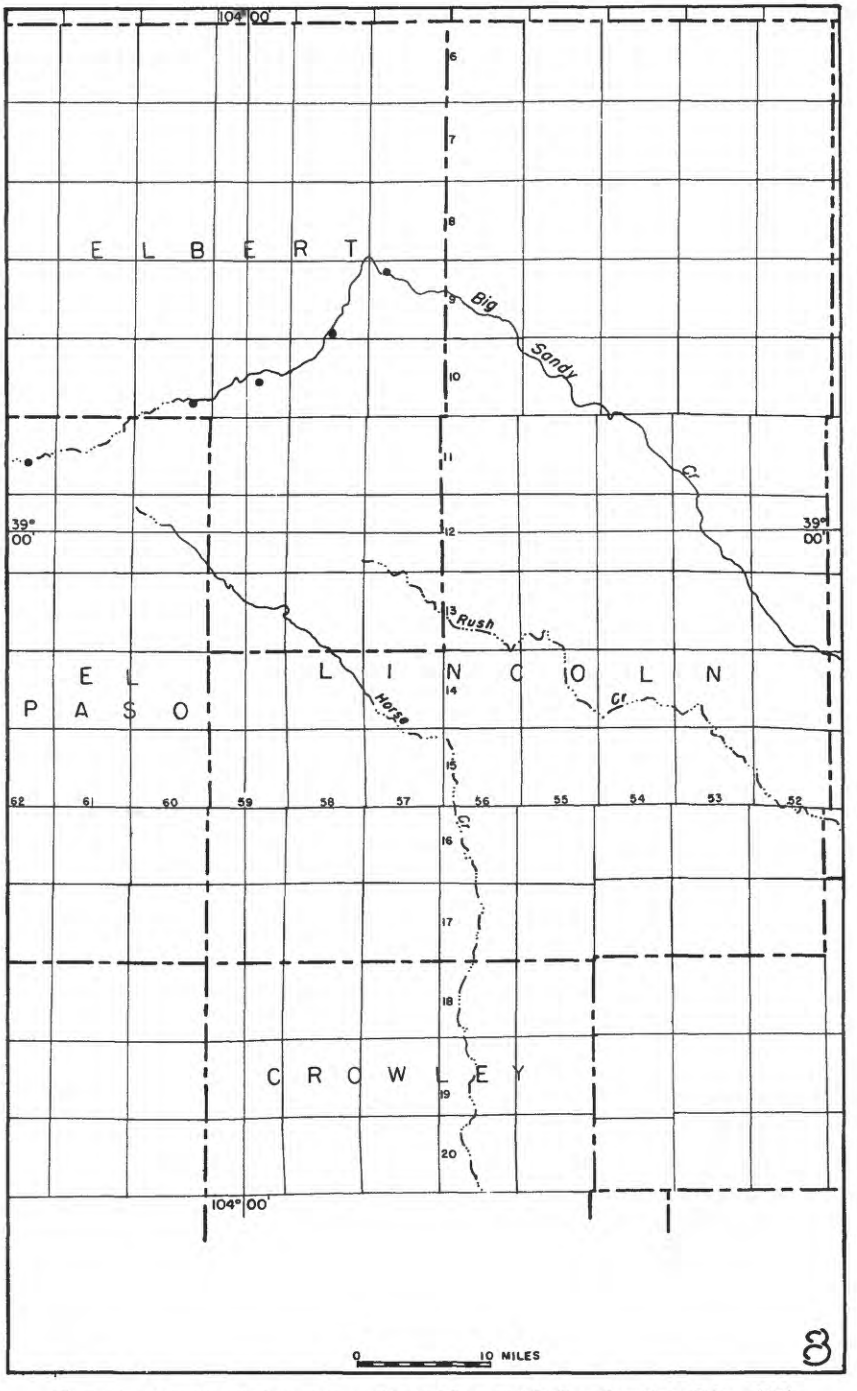


Figure 5. --Location of observation wells in Elbert and El Paso Counties, Colo., 1954.

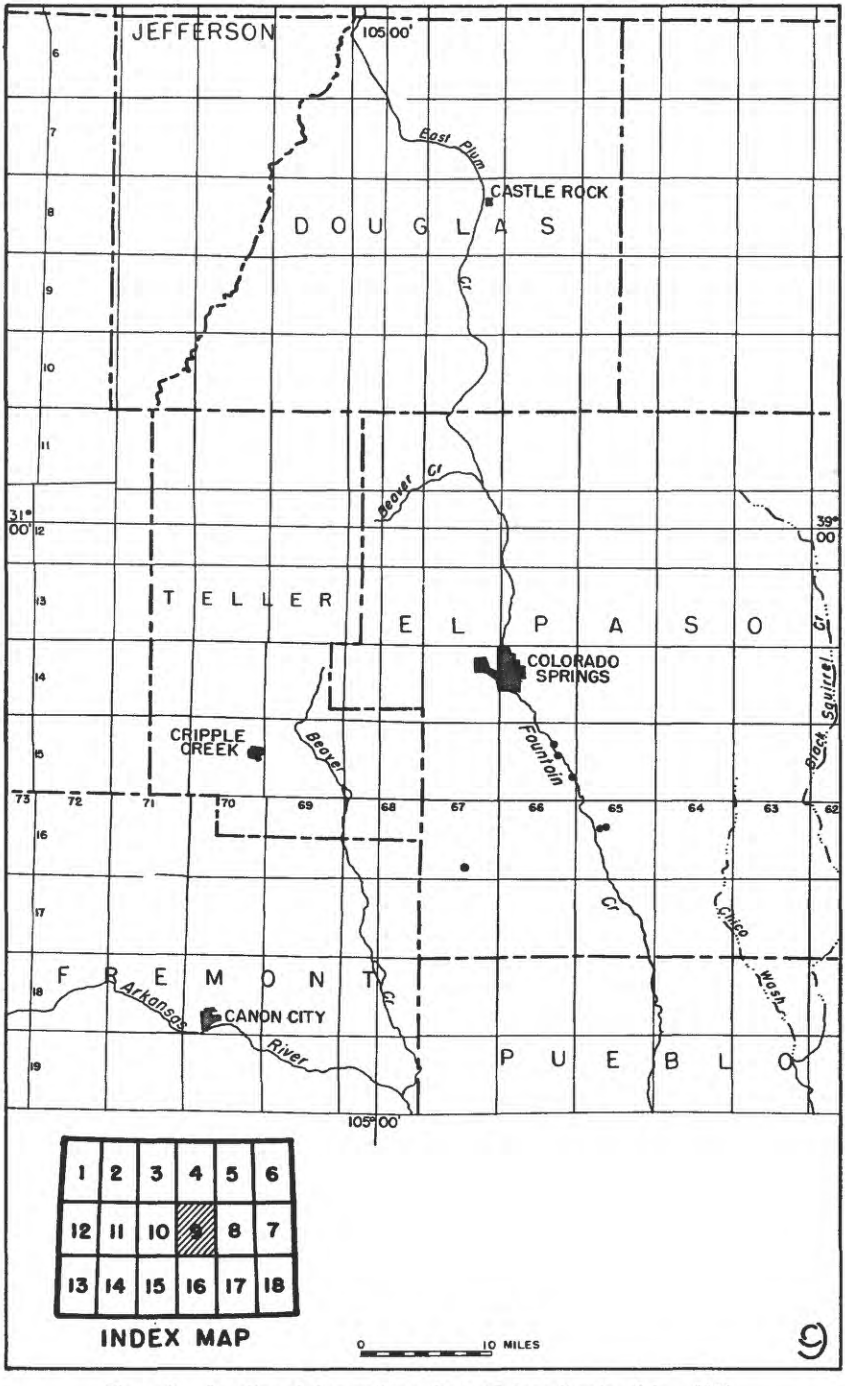


Figure 6. --Location of observation wells in El Paso County, Colo., 1954.

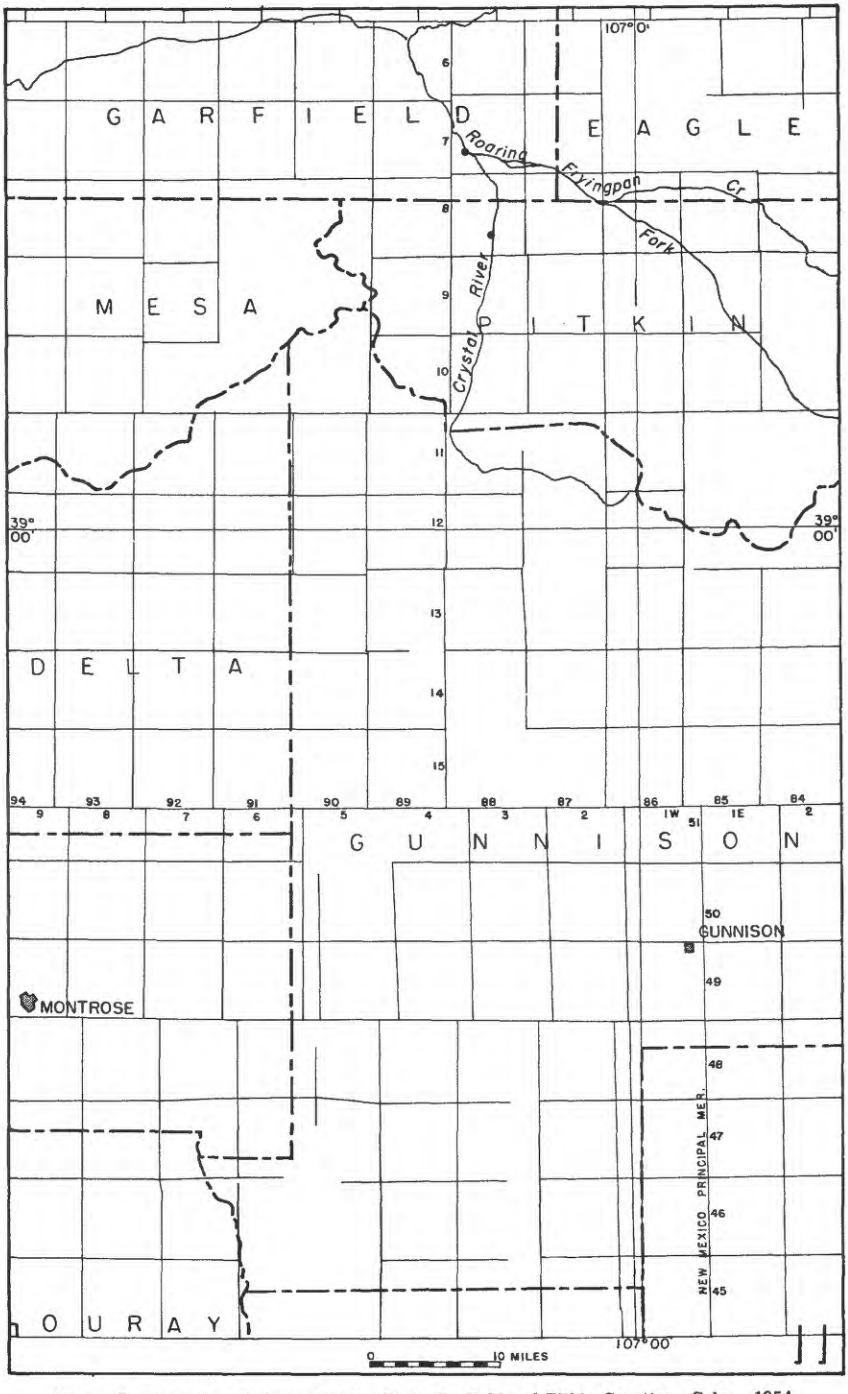


Figure 7. --Location of observation wells in Garfield and Pitkin Counties, Colo., 1954.

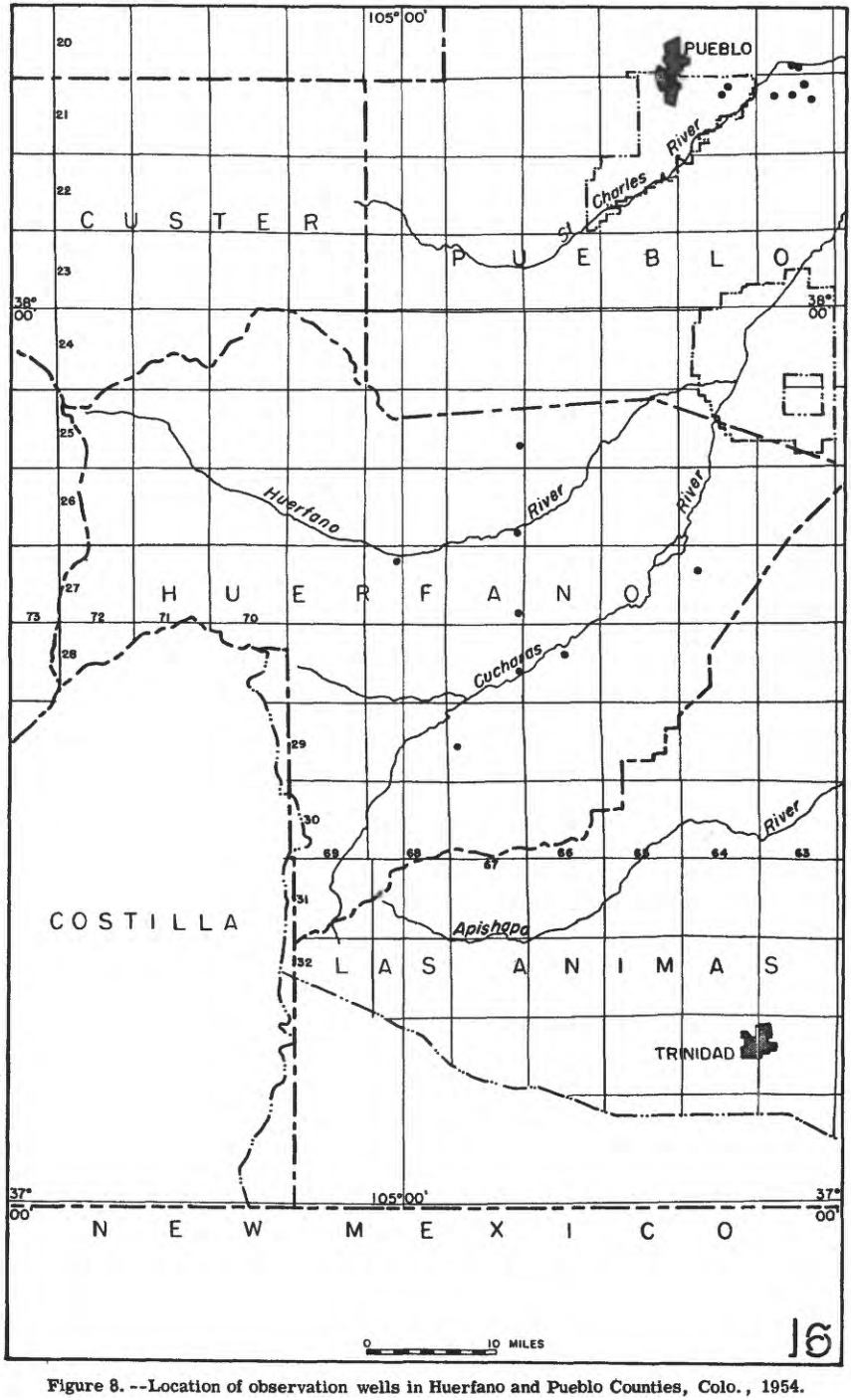


Figure 8. --Location of observation wells in Huerfano and Pueblo Counties, Colo., 1954.

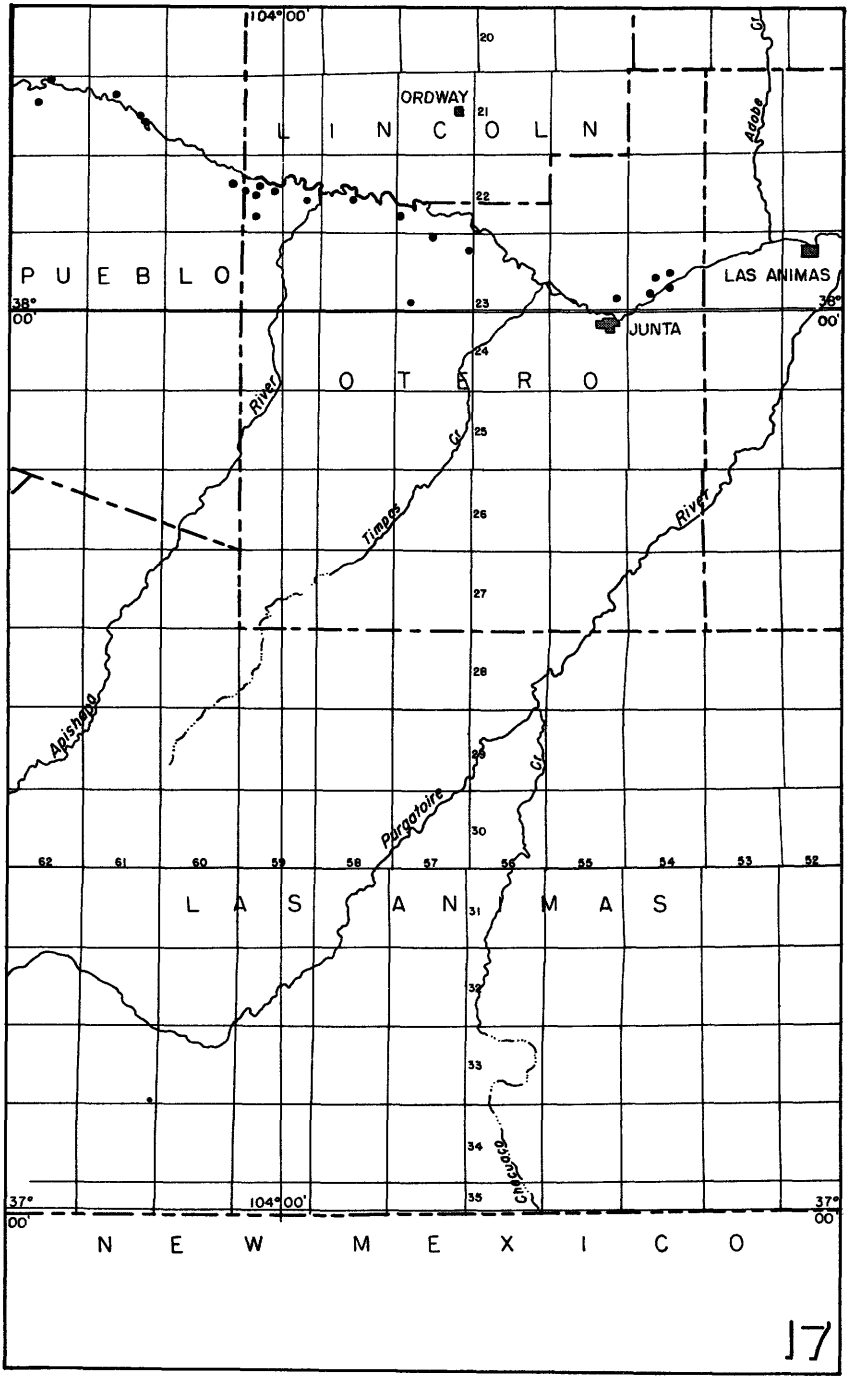


Figure 9. --Location of observation wells in Otero and Pueblo Counties, Colo., 1954.

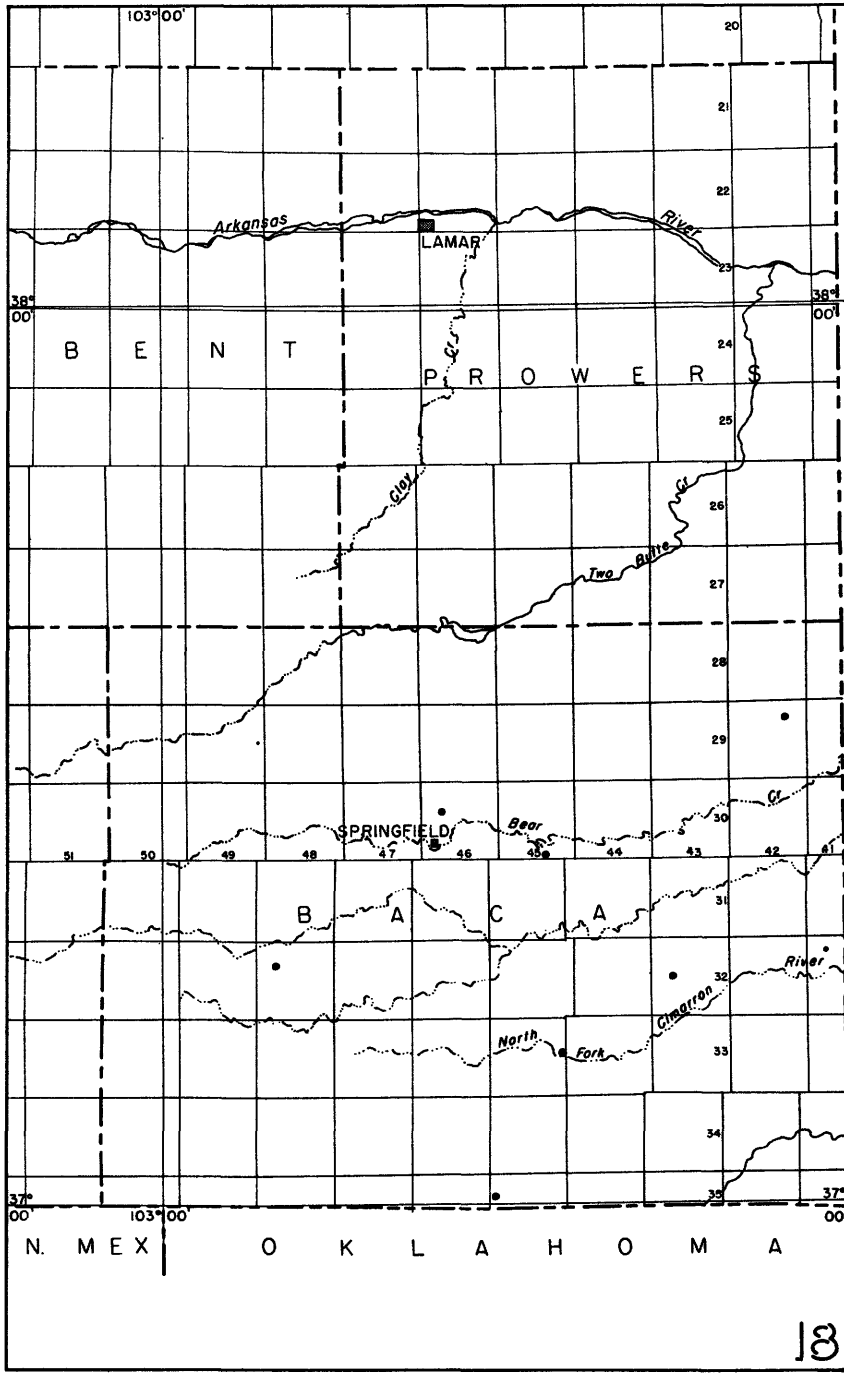


Figure 10. --Location of observation wells in Baca County, Colo., 1954.

C-1-60-29cbd. J. D. Singleton. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 87 feet. Land-surface datum is 4,867.4 feet above msl. Highest water level 29.42 below lsd, Nov. 18, 1943; lowest 37.90 below lsd, Oct. 16, 1952. Records available: 1934, 1941-54. Apr. 6, 31.62; Oct. 21, 36.30.

C-1-62-22dac. Charles B. Nordloh. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 82 feet. Highest water level 44.21 below lsd, Nov. 25, 1949; lowest 51.80 below lsd, Nov. 11, 1954. Records available: 1946-52, 1954. Nov. 11, 51.80.

C-1-62-34cd. John H. Nordloh. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 85 feet. Highest water level 33.22 below lsd, Oct. 30, 1946; lowest 49.58 below lsd, Nov. 11, 1954. Records available: 1946, 1948-49, 1951-52, 1954, Nov. 11, 49.58.

C-1-65-11cd. David Patton. Drilled irrigation water-table well in alluvium, diameter 30 inches, depth 42 feet. Highest water level 12.70 below lsd, Nov. 16, 1948; lowest 18.80 below lsd, Nov. 11, 1954. Records available: 1947-54. Nov. 11, 18.80.

C-1-66-7cc. C. Hose. Dug irrigation water-table well in alluvium, diameter 5 feet, depth 28 feet. Highest water level 15.90 below lsd, Sept. 17, 1930; lowest 22.67 below lsd, May 8, 1941. Records available: 1929-54. Nov. 11, 22.08.

C-1-66-19dc. A. B. Perry. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 44 feet. Highest water level 26.35 below lsd, Nov. 9, 1949; lowest 35.08 below lsd, Nov. 11, 1954. Records available: 1941-54. Nov. 11, 35.08.

C-1-67-13db. Edward Schnute. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 32 feet. Highest water level 16.21 below lsd, Sept. 17, 1930; lowest 25.65 below lsd, May 8, 1941. Records available: 1929-54. Nov. 11, 24.60.

C-2-65-11dcd. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 26.99 below lsd, Nov. 16, 1948; lowest 32.48 below lsd, Nov. 11, 1954. Records available: 1938-54. Nov. 11, 32.48.

C-2-65-14dcb. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 12.70 below lsd, Nov. 16, 1948; lowest 20.70 below lsd, Nov. 11, 1954. Records available: 1933-54. Nov. 11, 20.70.

C-2-65-23dab. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 58 feet. Highest water level 13.79 below lsd, Apr. 21, 1949; lowest 28.64 below lsd, Nov. 11, 1954. Records available: 1933-54. Nov. 11, 28.64.

C-2-65-26dba. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 16.67 below lsd, Apr. 22, 1948; lowest 32.47 below lsd, Nov. 11, 1954. Records available: 1934, 1941-54. Nov. 11, 32.47.

C-2-65-35dbb. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 14.04 below lsd, May 13, 1942; lowest 29.97 below lsd, Nov. 11, 1954. Records available: 1933-54. Nov. 11, 29.97.

C-2-65-35dcd. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 47 feet. Highest water level 12.04 below lsd, May 13, 1942; lowest 26.29 below lsd, Nov. 11, 1954. Records available: 1933-54. Nov. 11, 26.29.

C-2-67-10dcd. Cora Wall. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 41 feet. Highest water level 22.27 below lsd, Oct. 28, 1947; lowest 30.20 below lsd, Nov. 11, 1954. Records available: 1937-54. Nov. 11, 30.20.

C-2-67-20dcd. Charles Fadden. Dug irrigation water-table well in alluvium, diameter 10 feet, depth 40 feet. Highest water level 22.95 below lsd, Oct. 28, 1947; lowest 27.77 below lsd, Nov. 11, 1954. Records available: 1936-54. Nov. 11, 27.77.

C-3-65-23aa1. Jeff Drohan. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 51 feet. Highest water level 16.07 below lsd, Nov. 29, 1949; lowest 27.93 below lsd, Nov. 11, 1954. Records available: 1949-54. Nov. 11, 27.93.

C-3-65-23ddd. Jeff Drohan. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 49 feet. Highest water level 14.20 below lsd, Apr. 22, 1948; lowest 30.14 below lsd, Nov. 11, 1954. Records available: 1941-54. Nov. 11, 30.14.

C-3-67-6dd. H. L. Swanson. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 29 feet. Highest water level 16.80 below lsd, Apr. 22, 1948; lowest 22.43 below lsd, Sept. 15, 1941. Records available: 1941-53. Measurement discontinued.

Arapahoe County

C-4-68-33cd. Frank Hornbuckle. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 23 feet. Highest water level 4.60 below lsd, June 27, 1947; lowest 13.16 below lsd, Dec. 23, 1954. Records available: 1942-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	12.39	Apr. 21	12.48	July 27	11.11	Oct. 13	12.91
Feb. 18	12.47	May 14	12.15	Aug. 20	11.92	Nov. 28	12.75
Mar. 14	12.54	June 14	11.43	Sept. 21	12.57	Dec. 23	13.16

Baca County

C-29-42-11bcd. Harold Walker. Drilled unused water-table well in alluvium, diameter 5 inches, depth 26 feet. Highest water level 22.65 below lsd, May 24, 1952; lowest 24.17 below lsd, Oct. 21, 1953. Records available: 1952-54. Apr. 19, 23.73; Oct. 20, 23.37.

C-30-45-34ccc. C. J. Alfrey. Drilled stock water-table well in Dakota sandstone and Ogallala formation, diameter 6 inches, depth 137 feet. Land-surface datum is 4,188.4 feet above msl. Highest water level 86.29 below lsd, Apr. 19, 1954; lowest 88.28 below lsd, Sept. 7, 1947. Records available: 1947-54. Apr. 19, 86.29; Oct. 20, 86.39.

C-30-46-17bc. Maud A. Rarex. Dug unused stock water-table well in alluvium, diameter 10 feet, depth 15 feet. Highest water level 8.73 below lsd, May 18, 1951; lowest 12.99 below lsd, Oct. 1, 1948. Records available: 1947-54. Apr. 19, 10.45; Oct. 20, 10.75.

C-32-43-20aaa. H. F. Koelsch. Drilled unused artesian well in Dakota sandstone, diameter 6 inches, depth 171 feet. Land-surface datum is 3,927.3 feet above msl. Highest water level 84.28 below lsd, June 25, 1953; lowest 86.58 below lsd, Aug. 16, 1949. Records available: 1947-54. Apr. 19, 84.74; Oct. 20, 84.67.

C-32-48-8cbb. S. D. Huff. Drilled unused water-table well in Dakota sandstone, diameter 6 inches, depth 247 feet. Land-surface datum 4,798.5 feet above msl. Highest water level 190.70 below lsd, Oct. 20, 1954; lowest 194.35 below lsd, June 3, 1947. Records available: 1947-54. Apr. 19, 190.99; Oct. 20, 190.70.

C-33-45-13dad. J. A. and M. W. Davis. Drilled unused water-table well in Dakota sandstone, diameter 6 inches, depth 186 feet. Land-surface datum is 4,150.8 feet above msl. Highest water level 75.12 below lsd, Oct. 20, 1954; lowest 80.09 below lsd, Dec. 21, 1947. Records available: 1947-54. Apr. 19, 75.28; Oct. 20, 75.12.

C-35-45-7db. G. S. Shaw. Drilled unused artesian well in Purgatoire formation, diameter 6 inches, depth 231 feet. Land-surface datum is 4,098.2 feet above msl. Highest water level 166.85 below lsd, Jan. 18, 1952; lowest 170.00 below lsd, July 13, 1948. Records available: 1947-54. Apr. 19, 168.79. Measurement discontinued.

Elbert County

C-9-57-8abb. J. C. Mattson. Drilled unused water-table well in alluvium, diameter 6 inches, depth 28 feet. Highest water level 5.00 below lsd, July 2, 1947; lowest 7.45 below lsd, Sept. 29, 1953. Records available: 1945-54. Apr. 21, 6.34; July 1, 7.20; Aug. 19, 7.01; Oct. 11, 7.21; Oct. 18, 7.16; Dec. 22, 6.80.

C-9-58-34ccb. Heber Ellsworth. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 55 feet. Highest water level 10.48 below lsd, July 2, 1947; lowest 16.46 below lsd, Aug. 19, 1954. Records available: 1945-54. Aug. 19, 16.46; Oct. 18, 15.57; Dec. 22, 14.80.

C-10-59-22ab. William Groff. Drilled irrigation water-table well in alluvium, diameter 24 to 18 inches, depth 55 feet. Land-surface datum is 5,800.1 feet above msl. Highest water level 10.52 below lsd, May 3, 1947; lowest 14.63 below lsd, July 15, 1954. Records available: 1945-54. July 15, 14.63; Aug. 19, 13.82; Oct. 18, 13.55; Dec. 22, 13.15.

C-10-60-26cd. Simla Cemetery. Drilled irrigation water-table well in alluvium, diameter 6 inches, depth 40 feet. Highest water level 23.30 below lsd, July 2, 1947; lowest 26.90 below lsd, Oct. 18, 1950. Records available: 1945-54. Apr. 21, 24.76; July 15, 25.52; Aug. 19, 25.29; Oct. 18, 25.59; Dec. 22, 25.11.

El Paso County

C-11-62-22ad. Anthony Eurich. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 44 feet. Land-surface datum is 6,364.8 feet above msl. Highest water level 5.49 below lsd, Aug. 9, 1947; lowest 8.48 below lsd, July 11, 1952. Records available: 1945-54. Apr. 21, 7.77; Aug. 19, 7.77; Oct. 18, 7.73; Dec. 22, 7.63.

C-15-66-11cbd. Venetucci Bros. Drilled irrigation water-table well in alluvium, depth 80 feet. Highest water level 36.57 below lsd, Nov. 4, 1948; lowest 42.80 below lsd, Dec. 17, 1954. Records available: 1944-54. Mar. 28, 40.08; Dec. 17, 42.80.

C-15-66-14abd2. T. L. Bender. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 53 feet. Highest water level 22.82 below lsd, Nov. 4, 1948; lowest 34.35 below lsd, Dec. 17, 1954. Records available: 1948-54. Mar. 28, 25.50; Dec. 17, 34.35.

C-15-66-25aaa. W. E. Busch. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 43 feet. Highest water level 28.65 below lsd, Nov. 6, 1947; lowest 33.31 below lsd, Dec. 29, 1954. Records available: 1944-54. Mar. 28, 32.19; July 23, 32.57; Aug. 20, 32.77; Sept. 10, 32.78; Oct. 19, 33.05; Nov. 29, 33.26; Dec. 29, 33.31.

C-16-65-16bb. L. F. Oldenstaadt. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 60 feet. Highest water level 27.47 below lsd, Nov. 16, 1947; lowest 39.34 below lsd, Nov. 15, 1951. Records available: 1944-51. Measurement discontinued.

C-16-65-17aa. John Wilson. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 58 feet. Highest water level 36.01 below lsd, Mar. 17, 1953; 38.90 below lsd, Dec. 17, 1954. Records available: 1953-54. Mar. 28, 37.52; Dec. 17, 38.90.

Garfield County

C-7-88-29ab. J. F. Smith. Dug domestic water-table well in terrace deposits, diameter 36 inches, depth 42 feet. Highest water level 22.31 below lsd, June 14, 1947; lowest 38.90 below lsd, Dec. 18, 1947. Records available: 1942-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	34.68	Apr. 5	34.97	July 6	27.18	Oct. 4	28.68
Feb. 5	34.75	May 5	28.81	Aug. 3	28.64	Nov. 4	32.56
Mar. 7	34.92	June 7	27.64	Sept. 17	28.78	Dec. 13	33.17

Huerfano County

C-25-67-25bcd. C. H. Money. Dug stock water-table well in alluvium, diameter 4 feet, depth 26 feet. Highest water level 14.49 below lsd, July 8, 1952; lowest 18.75 below lsd, Oct. 19, 1954. Records available: 1951-54.

Jan. 21	17.12	Apr. 20	17.00	July 16	17.73	Oct. 19	18.75
Feb. 18	16.82	May 20	16.48	Aug. 20	18.16	Dec. 22	17.47
Mar. 17	17.12	June 14	16.89				

C-26-67-25cad. Eugene Ellis. Drilled stock water-table well in alluvium, diameter 7 inches, depth 22 feet. Highest water level 6.84 below lsd, June 14, 1954; lowest 9.53 below lsd, Sept. 12, Oct. 16, 1951. Records available: 1950-54.

Jan. 21	8.53	Apr. 20	7.92	July 16	7.67	Oct. 19	9.25
Feb. 19	8.72	May 20	7.39	Aug. 20	8.55	Dec. 22	8.60
Mar. 19	8.15	June 14	6.84	Sept. 27	9.40		

C-27-67-36aca. Mr. Faris. Drilled stock water-table well in Trinidad sandstone, diameter 7 inches, depth 62 feet. Highest water level 44.15 below lsd, Feb. 7, 1950; lowest 48.15 below lsd, June 24, 1953, Sept. 27, 1954. Records available: 1950-54.

Jan. 21	47.32	Apr. 20	47.43	July 16	47.82	Oct. 19	47.58
Feb. 19	47.26	May 20	47.58	Aug. 20	47.89	Dec. 22	47.66
Mar. 17	47.62	June 15	47.59	Sept. 27	48.15		

C-27-68-4cbc. Mrs. Thorn. Dug domestic and stock water-table well in alluvium, diameter 36 inches, depth 28 feet. Highest water level 11.32 below lsd, June 12, 1953; lowest 22.80 below lsd, Jan. 8, 1951. Records available: 1950-54.

Jan. 12	19.34	Apr. 6	20.05	June 8	13.03	Sept. 20	18.50
28	18.30	23	17.45	July 7	14.15	Oct. 5	19.72
Feb. 9	19.98	May 4	16.34	22	15.26	21	20.40
25	21.05	22	15.35	Aug. 19	18.92	Nov. 10	21.14
Mar. 25	21.15						

C-28-66-15bcc. Henry Meyer. Drilled unused water-table well in alluvium, diameter 6 inches, depth 67 feet. Highest water level 11.22 below lsd, Aug. 19, 1953; lowest 25.21 below lsd, June 24, 1953. Records available: 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	24.25	Apr. 20	24.14	July 16	24.43	Oct. 19	24.69
Feb. 19	24.13	May 20	24.15	Aug. 20	23.90	Dec. 22	24.27
Mar. 18	24.06	June 14	24.26	Sept. 28	24.69		

C-28-67-24dac. Owner unknown. Dug artesian well in Raton formation, size 12 by 20 feet, depth 646 feet. Highest water level 106.56 below lsd, Sept. 18, 1952; lowest 111.12 below lsd, Jan. 21, 1954. Records available: 1952-54.

Jan. 21	111.12	Apr. 20	109.82	July 16	108.28	Oct. 19	108.19
Feb. 19	110.80	May 20	108.30	Aug. 20	108.19	Dec. 23	107.65
Mar. 18	110.53	June 15	108.00	Sept. 28	107.95		

C-29-67-19acb. Ewell Woodring. Drilled unused water-table well in sandstone, diameter 7 inches, depth 142 feet. Highest water level 34.54 below lsd, May 22, 1952; lowest 37.93 below lsd, Dec. 23, 1954. Records available: 1951-54. Jan. 21, 34.98; Feb. 19, 35.01; Mar. 18, 34.90; Apr. 20, 35.05; May 20, 35.05; June 15, 35.05; Dec. 23, 37.93.

Larimer County

B-5-68-17abb. George Peak. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 24 feet. Highest water level 5.43 below lsd, Oct. 27, 1947; lowest 14.45 below lsd, Apr. 20, 1949. Records available: 1941-54. June 3, 7.82; Nov. 10, 8.41.

B-6-68-1ba. M. J. Warner. Dug irrigation water-table well in alluvium, diameter 4 feet. Highest water level 9.19 below lsd, Oct. 4, 1943; lowest 12.74 below lsd, May 2, 1941. Records available: 1941-54. Nov. 22, 11.75.

B-7-68-5cb. Milton E. Payne. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 76 feet. Highest water level 26.78 below lsd, Nov. 29, 1951; lowest 29.40 below lsd, Nov. 24, 1954. Records available: 1950-54. Oct. 7, 28.11; Nov. 24, 29.40.

B-7-68-10cbb. Drake Estate. Drilled irrigation water-table well in alluvium, diameter 12 inches. Highest water level 2.66 below lsd, July 6, 1929; lowest 7.91 below lsd, Nov. 24, 1954. Records available: 1929-30, 1932-54. Nov. 24, 7.91.

B-7-68-22bbb. Ray Pitcher. Dug irrigation water-table well in alluvium, diameter 6 feet, depth 25 feet. Highest water level 1.58 below lsd, July 6, 1929; lowest 8.33 below lsd, Aug. 6, 1934. Records available: 1928-30, 1932-54. Nov. 22, 6.79.

B-7-68-23cbb. W. A. Scott. Drilled unused water-table well in alluvium, diameter 4 feet. Highest water level 6.30 below lsd, Nov. 16, 1942; lowest 9.50 below lsd, May 2, 1941. Records available: 1941-54. Nov. 22, 7.11.

B-8-68-4bba. A. Heckman. Drilled irrigation water-table well in alluvium, diameter 22 inches, depth 67 feet. Highest water level 16.30 below lsd, Nov. 24, 1944; lowest 35.63 below lsd, Nov. 24, 1954. Records available: 1943-54. Nov. 24, 35.63.

B-8-68-4dd. C. S. Ferris. Drilled unused domestic water-table well in alluvium, diameter 16 inches, depth 36 feet. Highest water level 30.23 below lsd, Sept. 24, 1954; lowest 31.92 below lsd, Sept. 14, 1954. Records available: 1954.

Daily lowest water level from recorder graph

Day	Sept.	Oct.	Nov.	Dec.	Day	Sept.	Oct.	Nov.	Dec.
1	.....	.....	31.00	31.15	17	30.60	31.83	31.28	30.66
2	31.50	31.24	31.08	31.12	18	30.38	31.83	31.27	30.64
3	31.43	31.30	31.08	31.06	19	30.58	31.82	31.28	30.61
4	31.44	31.39	31.07	31.03	20	30.77	31.79	31.30	30.60
5	31.47	31.48	31.10	31.01	21	30.79	31.40	31.30	30.58
6	31.53	31.53	31.12	30.99	22	30.91	30.49	31.30	30.56
7	31.60	31.57	31.13	30.98	23	30.75	30.40	31.31	30.51
8	31.66	31.63	31.17	30.95	24	30.23	30.54	31.31	30.47
9	31.69	31.69	31.20	30.91	25	30.49	30.67	31.30	30.45
10	31.76	31.72	31.20	30.87	26	30.61	30.79	31.26	30.41
11	31.83	31.76	31.19	30.85	27	30.73	30.82	31.23	30.40
12	31.88	31.79	31.20	30.84	28	30.87	30.85	31.20	30.39
13	31.90	31.81	31.25	30.79	29	30.98	30.87	31.17	30.38
14	31.92	31.81	31.25	30.76	30	31.02	30.90	31.15	30.33
15	31.53	31.82	31.26	30.75	31		30.93		30.29
16	30.83	31.84	31.28	30.70					

B-8-68-10cbb. A. L. Bee. Dug irrigation water-table well in alluvium, diameter 11 feet, depth 28 feet. Highest water level 5.08 below lsd, July 6, 1929; lowest 26.10 below lsd, Nov. 24, 1954. Records available: 1929, 1932-54. Nov. 24, 26.10.

B-8-68-16aa1. R. E. Nutter. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth 57 feet. Highest water level 29.32 below lsd, Apr. 24, 1953; lowest 39.59 below lsd, Nov. 24, 1954. Records available: 1952-54. Nov. 24, 39.59.

B-8-68-22cbb1. J. E. Swansen. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 38 feet. Highest water level 12.44 below lsd, May 5, 1952; lowest 20.21 below lsd, Nov. 24, 1954. Records available: 1929-30, 1932-54. Nov. 24, 20.21.

B-8-68-27cbb. A. L. Seamans. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 32 feet. Highest water level 8.94 below lsd, July 6, 1929; lowest 18.70 below lsd, Nov. 24, 1954. Records available: 1929-54. Nov. 24, 18.70.

B-8-68-28aab. F. L. Bartels. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 30 feet. Highest water level 2.98 below lsd, Sept. 18, 1929; lowest 13.49 below lsd, Nov. 27, 1953. Records available: 1929-30, 1932-34, 1937-53. Measurement discontinued.

B-8-68-33ccc. F. C. Kluver. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 33 feet. Highest water level 11.60 below lsd, Sept. 18, 1929; lowest 17.09 below lsd, Nov. 24, 1954. Records available: 1929-30, 1932-54. Nov. 24, 17.09.

B-9-68-17ab. Harlan Seaworth. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth 92 feet. Highest water level 29.08 below lsd, May 9, 1944; lowest 54.55 below lsd, Nov. 24, 1954. Records available: 1939-54. Nov. 24, 54.55.

B-9-68-27ba. John Wagner. Dug unused water-table well in alluvium, diameter 14 feet, depth 30 feet. Highest water level 24.08 below lsd, Nov. 27, 1953; lowest 28.40 below lsd, Apr. 17, 1951. Records available: 1949-54. Nov. 24, 25.28.

B-9-68-28bbb. E. F. Meedel. Dug and drilled irrigation water-table well in alluvium, depth 42 feet. Highest water level 13.17 below lsd, Nov. 13, 1943; lowest 26.20 below lsd, Nov. 24, 1954. Records available: 1938-54. Nov. 24, 26.20.

B-9-68-33bdc. J. Weisshaar. Dug irrigation water-table well in alluvium, diameter 10 feet, depth 35 feet. Highest water level 13.95 below lsd, Sept. 18, 1929; lowest 34.20 below lsd, Nov. 13, 1942. Records available: 1929-33, 1935-54. Nov. 24, 32.94.

Logan County

B-6-53-16dd1. H. E. Ballin. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 80 feet. Highest water level 20.82 below lsd, Oct. 7, 1948; lowest 24.99 below lsd, Apr. 9, 1952. Records available: 1947-54. Apr. 10, 24.07; Oct. 17, 24.45.

B-6-53-30bc1. C. E. Gaines. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 110 feet. Highest water level 11.47 below lsd, July 8, 1949; lowest 13.83 below lsd, Apr. 3, 1951. Records available: 1947-54. Oct. 17, 13.18.

B-6-54-24bc1. N. A. Nelson. Drilled irrigation water-table well in alluvium, depth 78 feet. Highest water level 9.70 below lsd, Aug. 19, 1947; lowest 14.66 below lsd, Oct. 14, 1954. Records available: 1947-54. Apr. 12, 13.25; Oct. 14, 14.66.

B-7-53-18bd. John Price. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 48 feet. Highest water level 16.53 below lsd, Dec. 11, 1947; lowest 23.80 below lsd, Oct. 14, 1954. Records available: 1947-54. Apr. 12, 18.52; Oct. 14, 23.80.

B-7-53-21bcc. Hessler Bros. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 75 feet. Land-surface datum is 4,041.9 feet above msl. Highest water level 11.88 below lsd, July 8, 1949; lowest 16.15 below lsd, Oct. 14, 1954. Records available: 1943-54. Apr. 12, 14.94; Oct. 14, 16.15.

B-7-53-23bbb. William Nisson. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 102 feet. Land-surface datum is 4,012.0 feet above msl. Highest water level 24.35 below lsd, Oct. 14, 1949; lowest 33.60 below lsd, May 6, 1941. Records available: 1940-54. Apr. 12, 31.62; Oct. 14, 31.70.

B-7-53-26ab. Ben Fish. Drilled irrigation water-table well in alluvium, diameter 12 inches. Land-surface datum is 3,997.4 feet above msl. Highest water level 8.43 below lsd, July 8, 1949; lowest 10.62 below lsd, Apr. 3, 1951. Records available: 1928-29, 1935, 1940-54. Apr. 10, 10.12; Oct. 14, 10.25.

B-7-54-12bc. John Amen. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 40 feet. Land-surface datum is 4,102.8 feet above msl. Highest water level 11.11 below lsd, Apr. 12, 1950; lowest 14.97 below lsd, Oct. 6, 1952. Records available: 1950-54. Apr. 12, 11.35; Oct. 14, 14.59.

B-8-51-6ad. Vic Ramey. Drilled irrigation water-table well in alluvium, depth 82 feet. Highest water level 19.48 below lsd, July 12, 1948; lowest 21.98 below lsd, Apr. 22, 1953. Records available: 1947-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 29, 1947	19.80	July 12, 1948	19.48	Apr. 7, 1949	21.28	Dec. 7, 1950	21.05
Sept. 12	20.05	Aug. 2	19.53	May 4	20.47	Feb. 8, 1951	21.69
Oct. 6	19.80	Sept. 14	19.58	Aug. 10	19.65	Apr. 10	21.85
Dec. 10	20.98	Oct. 8	21.95	Oct. 12	19.75	Oct. 31	20.65
Jan. 2, 1948	21.18	Nov. 8	20.32	Dec. 6	20.74	Apr. 10, 1952	21.95
Feb. 6	21.42	Dec. 6	20.68	Feb. 7, 1950	21.63	Oct. 10	20.50
Mar. 12	21.31	Jan. 17, 1949	21.03	Apr. 12	21.16	Apr. 22, 1953	21.98
Apr. 20	21.05	Feb. 10	21.03	Aug. 4	19.65	Apr. 10, 1954	21.66
June 7	19.53	Mar. 2	21.00	Oct. 20	20.55	Oct. 17	21.95

B-8-52-10acc. G. A. Henderson. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 90 feet. Land-surface datum is 3,904.0 feet above msl. Highest water level 2.30 below lsd, Apr. 28, 1929; lowest 5.90 below lsd, Apr. 10, 1954. Records available: 1929-30, 1935, 1940-54. Apr. 10, 5.90; Oct. 17, 5.60.

B-8-52-17cbb. Joseph Willson. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 72 feet. Land-surface datum is 3,984.9 feet above msl. Highest water level 15.91 below lsd, Oct. 8, 1948, Oct. 13, 1949; lowest 20.40 below lsd, May 6, 1941. Records available: 1940-54. Apr. 10, 19.82; Oct. 17, 20.30.

B-9-51-31bb. Frank Manuello. Drilled irrigation water-table well in alluvium, depth 106 feet. Highest water level 2.89 below lsd, Oct. 6, 1947; lowest 6.41 below lsd, Aug. 4, 1950. Records available: 1947-54.

July 28, 1947	3.79	July 12, 1948	4.61	May 4, 1949	4.68	Oct. 20, 1950	5.16
Sept. 12	5.85	Aug. 2	4.89	June 1	4.14	Dec. 7	5.14
Oct. 6	2.89	Sept. 14	4.60	July 8	3.83	Feb. 8, 1951	5.33
Nov. 5	4.94	Oct. 8	3.95	Aug. 10	4.50	Oct. 31	4.43
Dec. 10	4.93	Nov. 8	4.23	Oct. 13	4.20	Apr. 10, 1952	5.29
Jan. 2, 1948	5.08	Dec. 6	4.75	Dec. 6	5.23	Oct. 10	4.24
Feb. 6	4.78	Jan. 17, 1949	4.60	Feb. 7, 1950	5.26	Apr. 22, 1953	4.88
Mar. 12	4.52	Feb. 10	4.09	Apr. 12	5.03	Apr. 10, 1954	5.40
Apr. 20	4.15	Mar. 2	4.45	May 31	5.03	Oct. 17	6.36
June 7	4.12	Apr. 7	4.58	Aug. 4	6.41		

B-10-48-4bc. John Apts. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 38 feet. Highest water level 5.53 below lsd, June 1, 1949; lowest 9.88 below lsd, Oct. 17, 1954. Records available: 1948-54.

June 24, 1948	6.03	Mar. 2, 1949	7.11	Feb. 8, 1950	9.00	Apr. 10, 1951	8.33
Aug. 2	7.77	Apr. 7	6.28	Apr. 12	8.34	Nov. 6	7.96
Sept. 14	8.22	May 5	7.28	June 1	8.39	Apr. 10, 1952	7.97
Oct. 8	8.35	June 1	5.53	Aug. 8	8.50	Oct. 10	8.84
Nov. 8	7.72	July 5	5.70	Oct. 19	6.40	Apr. 22, 1953	7.95
Dec. 7	8.07	Aug. 11	8.55	Dec. 2	8.28	Apr. 10, 1954	8.84
Jan. 17, 1949	7.85	Oct. 7	8.67	Feb. 10, 1951	8.82	Oct. 17	9.88
Feb. 10	7.90	Dec. 14	8.86				

B-10-49-2cb. G. E. Henry. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 32 feet. Highest water level 4.17 below lsd, Aug. 8, 1950; lowest 5.73 below lsd, 3ept. 14, 1948. Records available: 1947-54.

Sept. 16, 1947	5.62	Aug. 2, 1948	4.29	June 1, 1949	4.48	Dec. 2, 1950	5.00
Oct. 7	5.72	Sept. 14	5.73	July 7	5.29	Feb. 10, 1951	5.48
Nov. 5	5.15	Oct. 8	5.61	Aug. 11	5.12	Apr. 10	5.09
Dec. 13	5.32	Nov. 8	5.30	Oct. 7	5.43	Nov. 6	5.22
Jan. 3, 1948	5.35	Dec. 7	5.31	Dec. 14	5.32	Apr. 10, 1952	4.88
Feb. 10	5.70	Jan. 17, 1949	5.34	Feb. 8, 1950	5.60	Oct. 10	5.65
Mar. 12	5.45	Feb. 10	5.54	Apr. 12	5.15	Apr. 22, 1953	4.86
Apr. 20	5.45	Mar. 2	5.04	June 1	4.98	Apr. 10, 1954	5.36
June 8	5.16	Apr. 7	4.38	Aug. 8	4.17	Oct. 17	4.86
July 8	5.20	May 4	5.18	Oct. 20	5.18		

B-10-49-8cc. Oliver Engleman. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 50 feet. Highest water level 10.26 below lsd, Aug. 8, 1950; lowest 16.00 below lsd, Apr. 13, 1948. Records available: 1948-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1948	15.20	Nov. 8, 1948	13.85	Aug. 11, 1949	10.97	Feb. 10,1951	15.19
Feb. 10	15.71	Dec. 7	14.16	Oct. 7	12.56	Apr. 10	15.5
Mar. 12	15.90	Jan. 17, 1949	14.40	Dec. 14	14.45	Nov. 6	13.90
Apr. 13	16.00	Feb. 10	12.64	Feb. 8, 1950	15.25	Apr. 10, 1952	15.75
June 8	12.30	Mar. 2	11.89	Apr. 12	15.35	Oct. 10	14.65
July 8	11.87	Apr. 7	13.63	June 1	14.50	Apr. 22, 1953	14.78
Aug. 2	11.39	May 4	13.92	Aug. 8	10.26	Apr. 10, 1954	15.73
Sept. 14	12.48	June 1	14.25	Oct. 20	12.38	Oct. 17	13.75
Oct. 8	12.46	July 7	13.05	Dec. 2	13.05		

Morgan County

B-1-55-18bcc. R. H. Awmiller. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 68 feet. Land-surface datum is 4,396.3 feet above msl. Highest water level 33.16 below lsd, Apr. 17, 1942; lowest 51.15 below lsd, Oct. 21, 1954. Records available: 1940-54. Apr. 1, 46.70; Oct. 21, 51.15.

B-1-55-31dac. James Bolinger. Dug and drilled irrigation water-table well in alluvium, diameter 12 inches, depth 62 feet. Land-surface datum is 4,437.9 feet above msl. Highest water level 30.91 below lsd, Apr. 17, 1942; lowest 48.50 below lsd, Apr. 8, 1953. Records available: 1940-54. Apr. 1, 38.50; Oct. 21, 42.60.

B-1-56-1dc. Mrs. W. Shaw. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 70 feet. Highest water level 31.30 below lsd, Apr. 17, 1942; lowest 51.30 below lsd, Oct. 12, 1954. Records available: 1940-54. Apr. 1, 45.72; Oct. 12, 51.30.

B-1-56-13cc1. Max Peterson. Drilled stock water-table well in alluvium, diameter 6 inches, depth 56 feet. Land-surface datum is 4,404.07 feet above msl. Highest water level 42.40 below lsd, May 14, 1948; lowest 49.72 below lsd, Oct. 20, 1953. Records available: 1948-54. Apr. 1, 49.50.

B-1-60-2dd1. F. Harshman. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 86 feet. Highest water level 36.47 below lsd, Apr. 13, 1948; lowest 52.50 below lsd, Oct. 21, 1954. Records available: 1947-54. Apr. 6, 44.66; Oct. 21, 52.50.

B-1-60-12cc. Anna Hogan. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 116 feet. Land-surface datum is 4,711.3 feet above msl. Highest water level 30.16 below lsd, Apr. 30, 1947; lowest 53.45 below lsd, Oct. 21, 1954. Records available: 1946-54. Apr. 6, 42.15; Oct. 21, 53.45.

B-1-60-23bcc. Louis Westhoff. Drilled irrigation water-table well in alluvium, diameter 30 inches, depth 89 feet. Land-surface datum is 4,731.0 feet above msl. Highest water level 14.29 below lsd, Apr. 1, 1943; lowest 26.95 below lsd, Oct. 21, 1954. Records available: 1942-54. Apr. 6, 20.48; Oct. 21, 26.95.

B-1-60-23da. Louis Westhoff. Drilled unused water-table well in alluvium, diameter 6 inches, depth 84 feet. Highest water level 32.61 below lsd, May 22, 1953; lowest 37.50 below lsd, Dec. 18, 1954. Records available: 1953-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	34.59	34.52	34.40	34.32	.....	.....	35.79	36.47	37.12	37.33	37.42	37.48
2	34.59	34.52	34.40	34.32	.....	.....	35.82	36.52	37.15	37.36	37.42	37.47
3	34.59	34.51	34.40	34.31	.....	.....	35.82	36.53	37.16	37.36	37.42	37.46
4	34.59	34.51	34.40	34.31	.....	.....	35.88	36.54	37.16	37.36	37.43	37.48
5	34.59	34.51	34.40	34.30	.....	.....	35.89	36.56	37.20	37.37	37.42	37.48
6	34.59	34.50	34.40	34.30	.....	.....	35.90	36.58	37.16	37.37	37.42	37.47
7	34.58	34.50	34.38	34.30	.....	.....	35.90	36.60	37.14	37.37	37.42	37.47
8	34.58	34.49	34.38	34.30	.....	.....	35.95	36.63	37.12	37.38	37.44	37.47
9	34.58	34.48	34.38	34.29	.....	.....	35.95	36.66	37.12	37.38	37.44	37.47
10	34.58	34.47	.....	34.30	.....	.....	35.97	36.68	37.12	37.37	37.44	37.47
11	34.57	34.47	.....	34.30	.....	.....	36.00	36.71	37.12	37.40	37.46	37.48
12	34.57	34.47	.....	34.30	.....	.....	36.03	36.76	37.12	37.43	37.46	37.48
13	34.56	34.45	.....	34.32	.....	.....	36.05	36.73	37.12	37.45	37.47	37.47
14	34.56	34.45	.....	34.34	.....	.....	36.06	36.74	37.20	37.46	37.47	37.47
15	34.56	34.45	34.34	34.35	.....	.....	36.06	36.78	37.26	37.46	37.46	37.46

B-1-60-23da--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	34.56	34.45	34.34	34.35	.....	.....	36.07	36.83	37.26	37.45	37.46	37.49
17	34.56	34.45	34.34	34.35	.....	.....	36.08	36.84	37.28	37.41	37.47	37.49
18	34.98	34.44	34.34	34.37	.....	.....	36.08	36.85	37.28	37.41	37.47	37.50
19	34.58	34.44	34.34	34.43	.....	.....	36.08	36.87	37.28	37.41	37.46	37.49
20	34.59	34.43	34.34	34.50	.....	.....	36.08	36.88	37.29	37.42	37.46	37.48
21	34.58	34.43	34.34	34.55	.....	.....	36.08	36.90	37.31	37.42	37.46	37.48
22	34.57	34.43	34.33	34.60	.....	35.57	36.14	36.94	37.33	37.42	37.46	37.48
23	34.56	34.43	34.33	.....	.....	35.58	36.21	36.95	37.35	37.42	37.47	37.48
24	34.55	34.42	34.32	.....	.....	35.59	36.23	36.96	37.35	37.42	37.47	37.47
25	34.55	34.41	34.32	.....	.....	35.66	36.26	36.97	37.37	37.42	37.46	37.48
26	34.55	34.40	34.32	.....	.....	35.69	36.27	37.00	37.37	37.44	37.47	37.48
27	34.55	34.40	34.32	.....	.....	35.73	36.29	37.01	37.37	37.43	37.46	37.48
28	34.54	34.40	34.32	.....	.....	35.74	36.32	37.03	37.36	37.42	37.46	37.48
29	34.54		34.32	.....	.....	35.74	36.37	37.04	37.33	37.42	37.46	37.47
30	34.54		34.32	.....	.....	35.75	36.41	37.08	37.33	37.43	37.48	37.47
31	34.54		34.32		.....		36.44	37.08		37.42		37.47

B-1-60-27dd. Paul Wells. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 107 feet. Land-surface datum is 4,761.6 feet above msl. Highest water level 19.03 below lsd, Jan. 8, 1948; lowest 30.45 below lsd, Oct. 21, 1954. Records available: 1947-54. Apr. 6, 24.55; Oct. 21, 30.45.

B-1-60-34cc1. E. Watson. Drilled irrigation water-table well in alluvium, diameter 18 inches. Highest water level 25.63 below lsd, Jan. 8, 1948; lowest 35.37 below lsd, Oct. 21, 1954. Records available: 1947-54. Apr. 6, 30.59; Oct. 21, 35.37.

B-2-55-30bc1. Jacob Bickert. Drilled irrigation water-table well in alluvium, diameter 36 inches, depth 64 feet. Land-surface datum is 4,343.4 feet above msl. Highest water level 20.40 below lsd, Apr. 25, 1946; lowest 33.80 below lsd, Oct. 12, 1954. Records available: 1944-54. Apr. 1, 29.62; Oct. 12, 33.80.

B-2-56-13aa2. J. L. Hunt. Dug and drilled irrigation water-table well in alluvium, diameter 18 inches. Land-surface datum is 4,308.3 feet above msl. Highest water level 8.89 below lsd, Feb. 6, 1950; lowest 17.45 below lsd, Oct. 9, 1952. Records available: 1949-54. Apr. 1, 12.24; Oct. 12, 16.90.

B-2-56-24dd2. Max Peterson. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 58 feet. Land-surface datum is 4,331.5 feet above msl. Highest water level 18.68 below lsd, Apr. 11, 1949; lowest 28.30 below lsd, Oct. 12, 1954. Records available: 1949-54. Apr. 1, 24.95; Oct. 12, 28.30.

B-2-57-6dc1. W. E. Moore. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 96 feet. Highest water level 20.40 below lsd, Apr. 13, 1948; lowest 34.41 below lsd, Oct. 13, 1954. Records available: 1947-54. Apr. 6, 29.00; Oct. 13, 34.41.

B-2-57-29ad1. Pete Hellmuth. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 80 feet. Highest water level 42.12 below lsd, Apr. 7, 1952; lowest 61.67 below lsd, Oct. 13, 1954. Records available: 1947-54. Apr. 6, 55.15; Oct. 13, 61.67.

B-2-60-4ddd. William Reck. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 80 feet. Land-surface datum is 4,603.4 feet above msl. Highest water level 53.28 below lsd, May 1, 1944; lowest 63.66 below lsd, Oct. 11, 1954. Records available: 1944-54. Apr. 6, 60.78; Oct. 11, 63.66.

B-2-60-13dd. C. A. Bresnahan. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 185 feet. Land-surface datum is 4,633.6 feet above msl. Highest water level 44.47 below lsd, Apr. 25, 1940; lowest 67.80 below lsd, Oct. 21, 1954. Records available: 1940-54. Apr. 6, 58.24; Oct. 21, 67.80.

B-2-60-26dd. R. A. Baer. Drilled irrigation water-table well in alluvium, diameter 16 to 10 inches, depth 125 feet. Land-surface datum is 4,664.2 feet above msl. Highest water level 50.32 below lsd, May 7, 1941; lowest 82.07 below lsd, Oct. 11, 1954. Records available: 1940-54. Apr. 6, 73.34; Oct. 11, 82.07.

B-3-56-7cb. Jacob Lenhardt. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 96 feet. Land-surface datum is 4,274.1 feet above msl. Highest water level 23.90 below lsd, Nov. 7, 1947; lowest 35.90 below lsd, Oct. 13, 1954. Records available: 1940-51, 1953-54. Apr. 7, 31.24; Oct. 13, 35.90.

B-3-57-6dc1. City of Fort Morgan. Dug and drilled unused water-table well in alluvium, diameter 15 inches, depth 180 feet. Land-surface datum is 4,325.6 feet above msl. Highest water level 41.70 below lsd, Dec. 13, 20-28, 1943; lowest 51.96 below lsd, Oct. 9, 1954. Records available: 1940-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	46.96	47.13	47.38	47.70	48.48	49.25	50.18	50.88	51.49	51.83	51.58	50.65
2	46.97	47.13	47.38	47.70	48.48	49.25	50.20	50.92	51.52	51.83	51.56	50.61
3	46.98	47.13	47.38	47.72	48.48	49.30	50.23	50.93	51.56	51.82	51.52	50.57
4	46.99	47.14	47.40	47.78	48.51	49.33	50.27	50.96	51.57	51.82	51.50	50.52
5	47.00	47.15	47.40	47.80	48.52	49.38	50.29	50.99	51.58	51.87	51.46	50.50
6	47.00	47.16	47.44	47.85	48.55	49.44	50.30	51.04	51.58	51.87	51.46	50.44
7	47.00	47.18	47.47	47.86	48.56	49.44	50.32	51.03	51.57	51.87	51.44	50.43
8	46.99	47.19	47.48	47.87	48.61	49.48	50.38	51.03	51.58	51.91	51.42	50.40
9	46.99	47.19	47.47	47.91	48.63	49.50	50.39	51.03	51.58	51.96	51.41	50.35
10	46.99	47.19	47.48	47.94	48.66	49.54	50.44	51.09	51.59	51.94	51.37	50.31
11	47.00	47.20	47.49	47.96	48.69	49.58	50.48	51.05	51.60	51.90	51.34	50.30
12	47.00	47.22	47.51	47.99	48.73	49.63	50.51	51.10	51.60	51.90	51.33	50.27
13	47.00	47.22	47.51	48.03	48.78	49.63	50.54	51.13	51.60	51.94	51.32	50.24
14	47.00	47.23	47.52	48.06	48.82	49.65	50.55	51.14	51.63	51.93	51.30	50.22
15	47.01	47.24	47.54	48.06	48.86	49.67	50.55	51.16	51.68	51.90	51.25	50.21
16	47.02	47.25	47.54	48.09	48.88	49.70	50.56	51.15	51.68	51.89	51.21	50.19
17	47.02	47.24	47.53	48.13	48.88	49.74	50.61	51.15	51.66	51.87	51.20	50.17
18	47.02	47.28	47.54	48.17	48.91	49.74	50.61	51.12	51.68	51.87	51.19	50.16
19	47.03	47.28	47.55	48.20	48.92	49.76	50.63	51.19	51.69	51.93	51.17	50.16
20	47.03	47.29	47.56	48.20	48.95	49.78	50.65	51.21	51.73	51.92	51.11	50.14
21	47.04	47.30	47.59	48.21	49.00	49.80	50.68	51.20	51.75	51.91	51.10	50.13
22	47.05	47.33	47.60	48.24	49.05	49.84	50.68	51.23	51.78	51.86	51.04	50.13
23	47.06	47.33	47.60	48.30	49.05	49.91	50.65	51.25	51.83	51.85	51.00	50.11
24	47.07	47.34	47.60	48.32	49.05	49.98	50.68	51.27	51.84	51.85	50.97	50.08
25	47.07	47.35	47.60	48.37	49.08	50.00	50.70	51.28	51.86	51.82	50.92	50.07
26	47.07	47.35	47.61	48.41	49.10	50.03	50.71	51.29	51.86	51.78	50.88	50.05
27	47.07	47.36	47.67	48.41	49.12	50.08	50.73	51.32	51.85	51.73	50.81	50.04
28	47.07	47.37	47.67	48.46	49.14	50.12	50.74	51.37	51.88	51.67	50.78	50.04
29	47.01		47.72	48.48	49.16	50.13	50.79	51.41	51.88	51.63	50.72	50.00
30	47.11		47.72	48.48	49.22	50.13	50.84	51.44	51.85	51.60	50.68	49.99
31	47.12		47.71		49.22		50.87	51.46		51.60		49.96

B-3-57-7cc. Fred Kembel, Sr. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 146 feet. Land-surface datum is 4,340.1 feet above msl. Highest water level 44.15 below lsd, Nov. 19, 1942; lowest 63.30 below lsd, Oct. 13, 1954. Records available: 1939-54. Apr. 6, 51.29; Oct. 13, 63.30.

B-3-58-8cb. H. W. Clatworthy. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 146 feet. Land-surface datum is 4,407.8 feet above msl. Highest water level 47.08 below lsd, Oct. 14, 1949; lowest 57.25 below lsd, Oct. 21, 1954. Records available: 1940-54. Apr. 7, 55.17; Oct. 21, 57.25.

B-3-58-11bc. Alix Stark. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 145 feet. Land-surface datum is 4,366.2 feet above msl. Highest water level 51.85 below lsd, Nov. 19, 1942; lowest 65.25 below lsd, Oct. 21, 1954. Records available: 1939-54. Apr. 6, 58.54; Oct. 21, 65.25.

B-3-59-10ad1. John Salter. Drilled irrigation water-table well in alluvium, diameter 6 inches, depth 100 feet. Highest water level 25.63 below lsd, Oct. 14, 1949; lowest 36.45 below lsd, Aug. 3, 1950. Records available: 1947-54. Apr. 6, 30.79; Oct. 21, 35.73.

B-3-60-4dc. Carl Bretheuer. Drilled irrigation water-table well in alluvium, diameter 18 inches. Land-surface datum is 5,335.3 feet above msl. Highest water level 63.10 below lsd, June 16, 1949; lowest 73.90 below lsd, Oct. 21, 1954. Records available: 1948-54. Apr. 6, 67.63; Oct. 21, 73.90.

B-3-60-13cd. Kroh Bros. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 165 feet. Land-surface datum is 4,557.7 feet above msl. Highest water level 54.93 below lsd, Apr. 30, 1947; lowest 66.15 below lsd, Oct. 11, 1954. Records available: 1946-54. Apr. 7, 61.84; Oct. 11, 66.15.

B-3-60-22cc. B. A. Holden. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 120 feet. Land-surface datum is 4,568.4 feet above msl. Highest water level 49.44 below lsd, Apr. 11, 1938; lowest 66.45 below lsd, Oct. 21, 1954. Records available: 1936-54. Apr. 6, 59.92; Oct. 21, 66.45.

B-3-60-32cba. L. W. Elstun. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 84 feet. Land-surface datum is 4,599.5 feet above msl. Highest water level 39.76 below lsd, Nov. 19, 1942; lowest 47.36 below lsd, Oct. 18, 1954. Records available: 1940-54. Apr. 7, 46.02; Oct. 18, 47.36.

B-4-55-9dcc. Rudolph & Schooley. Dug and drilled irrigation water-table well in alluvium, diameter 14 inches, depth 88 feet. Land-surface datum is 4,175.2 feet above msl. Highest water level 14.75 below lsd, Oct. 19, 1949; lowest 21.40 below lsd, Oct. 14, 1954. Records available: 1930, 1932-54. Apr. 12, 18.23; Oct. 14, 21.40.

B-4-56-23dc. Hansen Bros. Drilled unused water-table well in alluvium, diameter 18 inches, depth 98 feet. Land-surface datum is 4,209.1 feet above msl. Highest water level 17.93 below lsd, Oct. 11, 1933; lowest 22.02 below lsd, Oct. 14, 1954. Records available: 1933-35, 1941-54. Apr. 12, 21.16; Oct. 14, 22.02.

B-4-57-28bd1. J. B. Coulter. Drilled water-table well in alluvium, diameter 4 inches, depth 33 feet. Highest water level 23.62 below lsd, Oct. 20, 1949; lowest 30.50 below lsd, Oct. 27, 1953. Records available: 1947-53. Measurement discontinued.

B-4-58-18dc. Angelo Covelli. Drilled water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 60 feet. Highest water 39.23 below lsd, Oct. 12, 1949; lowest 44.24 below lsd, Oct. 14, 1954. Records available: 1949-54. Apr. 6, 42.55; Oct. 14, 44.24.

B-4-58-19bc. N. B. Crouch-Work. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 116 feet. Highest water level 47.48 below lsd, Dec. 8, 1949; lowest 55.30 below lsd, Oct. 14, 1954. Records available: 1949-54. Apr. 6, 50.65; Oct. 14, 55.30.

B-4-59-31bc1. Marion Pugh. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 210 feet. Highest water level 73.95 below lsd, July 10, 1947; lowest 87.10 below lsd, Oct. 26, 1953. Records available: 1947-54. Apr. 6, 81.20; Oct. 21, 86.90.

B-4-59-36cc1. Dr. Firest. Drilled irrigation water-table well in alluvium. Highest water level 64.94 below lsd, Nov. 3, 1947; lowest 73.44 below lsd, Oct. 14, 1954. Records available: 1947-54. Apr. 6, 68.62; Oct. 14, 73.44.

B-4-60-2aa1. Goodrich. Drilled water-table well in alluvium, diameter 8 inches, depth 18 feet. Highest water level 5.89 below lsd, June 14, 1949; lowest 9.74 below lsd, Apr. 4, 1951. Records available: 1947-54. Apr. 2, 9.50; Oct. 14, 8.80.

B-4-60-9ab1. Racchio & Bowen. Drilled irrigation water-table well in alluvium, depth 45 feet. Highest water level 6.63 below lsd, July 7, 1948; lowest 11.70 below lsd, Apr. 15, 1948. Records available: 1947-54. Apr. 2, 11.30; Oct. 14, 9.47.

B-4-60-12cc1. Barton & Burchstead. Drilled irrigation water-table well in alluvium, depth 180 feet. Highest water level 67.91 below lsd, Nov. 4, 1947; lowest 77.09 below lsd, Oct. 14, 1954. Records available: 1947-54. Apr. 6, 74.00; Oct. 14, 77.09.

B-4-60-23cd1. W. W. Walker. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 212 feet. Highest water level 72.65 below lsd, Apr. 15, 1948; lowest 89.35 below lsd, Oct. 21, 1954. Records available: 1947-54. Apr. 6, 78.58; Oct. 21, 89.35.

B-4-60-34dc. M. J. Bauprez. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 220 feet. Land-surface datum is 4,519.6 feet above msl. Highest water level 67.16 below lsd, Apr. 25, 1946; lowest 85.00 below lsd, Oct. 21, 1954. Records available: 1946-50, 1953-54. Apr. 6, 74.20; Oct. 21, 85.00.

B-5-55-35dd. John Pabst. Dug and drilled irrigation water-table well in alluvium, diameter 18 inches, depth 89 feet. Land-surface datum is 4,143.8 feet above msl. Highest water level 16.35 below lsd, Oct. 19, 1949; lowest 21.05 below lsd, Oct. 17, 1954. Records available: 1935-40, 1943-54. Apr. 12, 18.90; Oct. 17, 21.05.

B-5-59-34cd1. G. Williams. Dug domestic and stock water-table well in alluvium, depth 20 feet. Highest water level 7.16 below lsd, Sept. 9, 1948; lowest 15.17 below lsd, Apr. 20, 1953. Records available: 1947-54. Apr. 2, 14.39; Oct. 14, 10.56.

Otero County

C-22-57-30cb. John Beaty. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 47 feet. Highest water level 27.60 below lsd, Mar. 18, 1953; lowest 31.47 below lsd, Dec. 16, 1954. Records available: 1953-54. Dec. 16, 31.47.

C-22-58-21bd. C. Mayer. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 56 feet. Highest water level 26.25 below lsd, Aug. 1, 1928; lowest 35.58 below lsd, Dec. 16, 1954. Records available: 1928-31, 1933-54. Dec. 16, 35.58.

C-22-59-16dcc. C. J. Stauder. Dug and drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 19.80 below lsd, Nov. 18, 1952; lowest 23.30 below lsd, Dec. 16, 1954. Records available: 1951-54. Mar. 27, 21.48; Dec. 16, 23.30.

C-22-59-17bd. W. H. Sauer. Dug irrigation water-table well in alluvium, diameter 5 feet, depth 25 feet. Highest water level 11.42 below lsd, Aug. 5, 1930; lowest 16.00 below lsd, Dec. 17, 1954. Records available: 1930, 1933-51, 1953-54. Mar. 27, 14.85; Dec. 17, 16.00.

C-22-59-17ccc. M. Simpson. Dug and drilled irrigation water-table well in alluvium, diameter 15 inches, depth 29 feet. Highest water level 13.56 below lsd, Aug. 17, 1929; lowest 22.50 below lsd, Dec. 17, 1954. Records available: 1929-31, 1933-54. Mar. 27, 19.75; Dec. 17, 22.50.

C-22-59-18ccc. M. C. Kesterson. Dug irrigation water-table well in alluvium, depth 35 feet. Highest water level 15.84 below lsd, Nov. 11, 1942; lowest 26.88 below lsd, Dec. 17, 1954. Records available: 1938-54. Mar. 27, 23.33; Dec. 17, 26.88.

C-22-59-24bc H. I. Barnard. Dug and drilled irrigation water-table well in alluvium. Highest water level 18.18 below lsd, Nov. 7, 1945; lowest 24.96 below lsd, Dec. 16, 1954. Records available: 1934, 1937-54. Mar. 27, 23.37; Dec. 16, 24.96.

C-22-59-29cbb. M. Madson. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 20 feet. Highest water level 9.40 below lsd, Nov. 11, 1942; lowest 15.15 below lsd, Dec. 17, 1954. Records available: 1929-31, 1933-54. Dec. 17, 15.15.

C-23-54-21cb. Wunch Bros. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 50 feet. Highest water level 32.23 below lsd, Nov. 14, 1951; lowest 40.47 below lsd, Dec. 17, 1954. Records available: 1951, 1953-54. Mar. 27, 35.12; Dec. 17, 40.47.

C-23-54-22ba. Henry Wunch. Drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 25.27 below lsd, Nov. 19, 1952; lowest 32.85 below lsd, Dec. 17, 1954. Records available: 1952, 1954. Dec. 17, 32.85.

C-23-54-27bd1. Chas. E. Sabin. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 49 feet. Highest water level 14.00 below lsd, Dec. 17, 1954; lowest 14.98 below lsd, Nov. 11, 1953. Records available: 1951, 1953-54. Dec. 17, 14.00.

C-23-54-29db. August Haupt. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 52 feet. Highest water level 23.66 below lsd, Apr. 11, 1952; lowest 29.51 below lsd, Dec. 17, 1954. Records available: 1942-54. Mar. 27, 25.88; Dec. 17, 29.51.

C-23-55-36bc. Fred Wunch. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 40 feet. Highest water level 17.36 below lsd, Nov. 14, 1951; lowest 21.25 below lsd, Dec. 17, 1954. Records available: 1951-54. Mar. 27, 18.98; Dec. 17, 21.25.

C-23-57-4ab. A. B. Andrews. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 40 feet. Highest water level 22.20 below lsd, Nov. 18, 1952; lowest 25.40 below lsd, Mar. 27, 1954. Records available: 1951-54. Mar. 27, 25.40.

C-23-57-12daa. American Crystal Sugar Co. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 27 feet. Highest water level 8.87 below lsd, Dec. 4, 1946; lowest 14.40 below lsd, Dec. 16, 1954. Records available: 1944-54. Mar. 27, 12.13; Dec. 16, 14.40.

C-23-57-32bdb. J. C. Vroman. Drilled irrigation water-table well in alluvium. Highest water level 9.86 below lsd, Mar. 18, 1953; lowest 15.71 below lsd, Dec. 16, 1954. Records available: 1944-54. Mar. 26, 12.82; Dec. 16, 15.71.

Pitkin County

C-8-88-27bc. R. O. Sewell. Dug domestic water-table well in alluvium, depth 32 feet. Highest water level 8.21 below lsd, June 19, 1953; lowest dry many times 1950-54. Records available: 1942-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	(f)	Apr. 5	29.38	July 6	16.38	Oct. 4	26.09
Feb. 4	(f)	May 3	23.67	Aug. 2	24.66	Nov. 4	30.41
Mar. 1	31.48	June 7	11.93	Sept. 17	25.23	Dec. 13	30.89

f Dry.

Pueblo County

C-20-63-33aa. F. Van Galder. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 45 feet. Highest water level 18.54 below lsd, Mar. 17, 1953; lowest 20.55 below lsd, Dec. 16, 1954. Records available: 1951-54. Mar. 26, 19.17; Dec. 16, 20.55.

C-20-63-34bcd. Excelsior Ranch. Drilled irrigation water-table well in alluvium. Highest water level 10.57 below lsd, Mar. 30, 1948; lowest 12.58 below lsd, Nov. 9, 1950. Records available: 1943-51. Measurement discontinued.

C-20-63-36ca. Harry and Louis Circuli. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 50 feet. Highest water level 19.07 below lsd, Nov. 10, 1953; lowest 20.35 below lsd, Dec. 16, 1954. Records available: 1953-54. Nov. 10, 1953, 19.07; Mar. 26, 1954, 19.52; Dec. 16, 20.35.

C-21-61-8aa. J. A. Werme. Drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 20.05 below lsd, Dec. 16, 1954. Records available: 1954. Dec. 16, 20.05.

C-21-61-9bb. J. A. Werme. Drilled irrigation water-table well in alluvium, diameter 22 inches, depth 40 feet. Highest water level 14.82 below lsd, Apr. 4, 1949; lowest 18.22 below lsd, Nov. 10, 1953. Records available: 1949, 1951-53. No measurement made in 1954.

C-21-61-23bbb2. A. Grandbush. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 40 feet. Highest water level 14.65 below lsd, Mar. 30, 1948; lowest 19.54 below lsd, Oct. 18, 1934. Records available: 1929-49, 1951-54. Mar. 26, 16.02; Dec. 16, 16.75.

C-21-61-23db. Ralph Wright. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth 38 feet. Highest water level 11.06 below lsd, Mar. 30, 1948; lowest 17.50 below lsd, May 2, 1935. Records available: 1929-30, 1932-33, 1935-54. Mar. 26, 11.66; Dec. 16, 12.04.

C-21-62-3bb. J. A. Werme. Drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 8.10 below lsd, Mar. 17, 1953; lowest 9.01 below lsd, Dec. 16, 1954. Records available: 1952-54. Mar. 26, 8.22; Dec. 16, 9.01.

C-21-62-9cd2. Bert Potestio. Drilled irrigation water-table well in alluvium. Highest water level 13.98 below lsd, Nov. 6, 1947; lowest 19.48 below lsd, Dec. 17, 1954. Records available: 1946-54. Mar. 27, 19.21; Dec. 17, 19.48.

C-21-63-3da. F. R. Allen. Drilled irrigation water-table well in alluvium, diameter 36 inches, depth 26 feet. Highest water level 16.63 below lsd, Nov. 11, 1953; lowest 19.54 below lsd, Dec. 17, 1954. Records available: 1953-54. Mar. 27, 17.56; Dec. 17, 19.54.

C-21-63-8ca. J. T. McCorkle. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 49 feet. Highest water level 26.90 below lsd, Nov. 11, 1942; lowest 34.67 below lsd, Dec. 17, 1954. Records available: 1931, 1941-54. Mar. 27, 33.28; Dec. 17, 34.67.

C-21-63-9dc. Chas. V. Pullora. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 48 feet. Highest water level 25.95 below lsd, Apr. 11, 1953; lowest 30.30 below lsd, Dec. 17, 1954. Records available: 1952-54. Mar. 27, 27.60; Dec. 17, 30.30.

C-21-63-11cdc. C. A. Wilcox. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 35 feet. Highest water level 16.94 below lsd, Nov. 2, 1944; lowest 25.16 below lsd, Dec. 17, 1954. Records available: 1944-54. Mar. 27, 21.85; Dec. 17, 25.16.

C-21-64-3dbd. Joseph Thomas. Drilled irrigation water-table well in alluvium, diameter 15 inches, depth 35 feet. Highest water level 12.20 below lsd, Nov. 11, 1942; lowest 22.08 below lsd, Oct. 18, 1934. Records available: 1934-54. Mar. 27, 19.95; Dec. 17, 21.61.

C-21-64-10bbc. Tony Morrello. Dug and drilled irrigation water-table well in alluvium, diameter 12 inches. Highest water level 8.87 below lsd, Nov. 2, 1944; lowest 14.28 below lsd, Dec. 17, 1954. Records available: 1941-54. Mar. 27, 12.92; Dec. 17, 14.28.

C-22-60-13bc. C. J. Sindig. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 39 feet. Highest water level 32.38 below lsd, Nov. 19, 1952; lowest 35.75 below lsd, Dec. 17, 1954. Records available: 1952-54. Mar. 27, 33.24; Dec. 17, 35.75.

Sedgwick County

B-11-45-5ba. F. J. Hilderman. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 52 feet. Highest water level 11.23 below lsd, Oct. 7, 1949; lowest 17.60 below lsd, Oct. 17, 1954. Records available: 1947-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 17, 1947	11.88	June 8, 1948	13.06	Aug. 11, 1949	13.62	Feb. 10, 1951	14.6[illegible]
Oct. 7	11.85	Oct. 8	12.48	Oct. 7	11.23	Apr. 10	14.67
Nov. 5	12.60	Jan. 17, 1949	13.75	Dec. 14	13.15	Nov. 6	13.05
Dec. 13	12.24	Feb. 9	14.23	Feb. 9, 1950	14.09	Apr. 10, 1952	14.50
Jan. 3, 1948	14.25	Mar. 4	14.17	June 1	13.52	Oct. 10	13.22
Feb. 10	14.41	Apr. 12	14.02	Aug. 8	13.72	Apr. 22, 1953	15.16
Mar. 15	14.70	May 5	14.52	Oct. 19	13.38	Apr. 10, 1954	15.30
Apr. 19	14.66	June 8	13.82	Dec. 1	13.68	Oct. 17	17.60

B-11-46-18db. W. R. Bennison. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 67 feet. Highest water level 5.61 below lsd, Feb. 10, 1949; lowest 8.52 below lsd, Oct. 17, 1954. Records available: 1947-54.

Dec. 13, 1947	7.18	Nov. 8, 1948	7.19	Oct. 7, 1949	6.49	Feb. 10, 1951	7.33
Jan. 4, 1948	6.62	Dec. 7	7.08	Dec. 13	7.12	Apr. 10	8.19
Feb. 10	5.83	Feb. 10, 1949	5.61	Feb. 8, 1950	7.02	Nov. 6	7.12
Mar. 12	5.98	Mar. 2	6.49	Apr. 13	7.45	Apr. 10, 1952	6.98
Apr. 19	6.85	Apr. 12	6.72	June 1	8.03	Oct. 10	7.94
July 8	7.30	May 5	7.54	Aug. 8	7.74	Apr. 22, 1953	6.79
Aug. 2	7.79	June 1	6.73	Oct. 19	8.28	Apr. 10, 1954	7.94
Sept. 14	7.65	July 5	5.85	Dec. 1	7.48	Oct. 17	8.52
Oct. 8	7.56						

B-11-47-28bb. W. C. Davidson. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 52 feet. Highest water level 2.51 below lsd, June 24, 1948; lowest 5.61 below lsd, Oct. 17, 1954. Records available: 1948-54.

June 24, 1948	2.51	Mar. 2, 1949	3.68	Feb. 8, 1950	4.66	Nov. 6, 1951	3.99
Sept. 14	5.03	Apr. 7	3.41	Apr. 12	4.45	Apr. 10, 1952	3.96
Oct. 8	4.73	May 5	4.65	Aug. 8	2.84	Oct. 10	4.82
Nov. 8	4.10	July 5	4.22	Oct. 19	4.39	Apr. 22, 1953	3.94
Dec. 7	4.28	Aug. 11	4.53	Dec. 2	4.00	Apr. 10, 1954	4.40
Jan. 17, 1949	3.48	Oct. 7	4.86	Feb. 10, 1951	4.48	Oct. 17	5.61
Feb. 10	4.06	Dec. 14	4.21	Apr. 10	4.48		

B-12-44-27bc1. Sedgwick County. Drilled stock water-table well in alluvium, diameter 24 inches, depth 30 feet. Highest water level 2.66 below lsd, June 8, 1949; lowest 5.62 below lsd, Oct. 17, 1954. Records available: 1947-54.

Sept. 17, 1947	3.64	Aug. 5, 1948	3.78	July 7, 1949	3.08	Dec. 2, 1950	3.53
Oct. 7	3.65	Sept. 14	3.96	Aug. 12	3.79	Feb. 11, 1951	3.79
Nov. 5	3.70	Oct. 9	3.92	Oct. 7	2.76	Apr. 10	3.98
Dec. 13	3.80	Nov. 10	3.93	Dec. 13	3.44	Nov. 6	3.39
Jan. 4, 1948	3.67	29	3.77	Feb. 9, 1950	3.56	Apr. 10, 1952	3.39
Feb. 10	3.78	Feb. 9, 1949	3.64	Apr. 14	3.48	Oct. 10	3.66
Mar. 16	3.40	Mar. 5	3.38	June 1	3.83	Apr. 22, 1953	3.56
Apr. 19	3.60	Apr. 12	3.22	Aug. 8	2.86	Apr. 10, 1954	4.08
June 8	3.88	May 5	3.75	Oct. 20	3.19	Oct. 17	5.62
July 9	3.89	June 8	2.66				

B-12-44-31ba1. C. B. McCampbell. Dug irrigation water-table well in alluvium, diameter 18 inches, depth 58 feet. Highest water level 20.59 below lsd, Oct. 6, 1949; lowest 26.44 below lsd, Oct. 17, 1954. Records available: 1947-54.

Sept. 16, 1947	22.37	Aug. 4, 1948	23.42	June 8, 1949	24.06	Dec. 1, 1950	23.64
Oct. 7	22.32	Sept. 13	22.66	Aug. 11	21.83	Feb. 10, 1951	24.89
Nov. 5	23.20	Oct. 8	22.91	Oct. 6	20.59	Apr. 10	24.88
Dec. 14	23.34	Nov. 8	23.21	Dec. 13	22.87	Nov. 6	22.92
Jan. 4, 1948	23.65	29	23.49	Feb. 9, 1950	23.56	Apr. 10, 1952	25.38
Feb. 10	24.10	Jan. 17, 1949	24.08	Apr. 13	24.19	Oct. 10	23.55
Mar. 15	24.56	Feb. 9	24.30	June 1	24.04	Apr. 22, 1953	24.89
Apr. 19	24.60	Mar. 4	24.15	Aug. 8	23.65	Apr. 10, 1954	25.25
June 8	24.68	Apr. 12	24.19	Oct. 19	23.14	Oct. 17	26.44
July 9	23.35	May 5	24.42				

Washington County

B-5-54-2bd1. E. Repp. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 100 feet. Highest water level 10.15 below lsd, July 12, 1948; lowest 20.40 below lsd, Oct. 17, 1954. Records available: 1947-54. Apr. 10, 15.59; Oct. 17, 20.40.

B-5-54-20bcc. Mr. Palmer. Dug and drilled irrigation water-table well in alluvium, diameter 14 inches, depth 90 feet. Land-surface datum is 4,114.8 feet above msl. Highest water level 11.36 below lsd, May 31, 1949; lowest 19.02 below lsd, Oct. 14, 1954. Records available: 1940-54. Apr. 12, 16.20; Oct. 14, 19.02.

B-5-54-21ca1. C. Dailey. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 82 feet. Highest water level 10.36 below lsd, June 6, 1949; lowest 15.40 below lsd, Oct. 17, 1954. Records available: 1947-54. Apr. 10, 14.37; Oct. 17, 15.40.

B-5-54-30cb1. Morgan Investment Co. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 88 feet. Highest water level 14.55 below lsd, Oct. 14, 1949; lowest 21.15 below lsd, Oct. 14, 1954. Records available: 1947-54. Apr. 12, 18.00; Oct. 14, 21.15.

C-1-55-21bd1. A. Blake. Drilled irrigation water-table well in alluvium, depth 41 feet. Highest water level 11.83 below lsd, Dec. 31, 1947; lowest 15.50 below lsd, Oct. 12, 1954. Records available: 1947-54. Apr. 1, 14.71; Oct. 12, 15.50.

Weld County

B-1-61-5dc. Chas. Hlad. Drilled irrigation water-table well in alluvium, diameter 30 inches, depth 55 feet. Highest water level 15.53 below lsd, June 9, 1953; lowest 16.93 below lsd, Nov. 17, 1953. Records available: 1953. No measurement made in 1954.

B-1-62-13ad1. C. M. Roark. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 76 feet. Highest water level 18.29 below lsd, Oct. 16, 1952; lowest 23.44 below lsd, Oct. 18, 1954. Records available: 1947-54. Apr. 7, 20.78; Oct. 18, 23.44.

B-1-63-2ccc. D. Trupp. Drilled unused water-table well in alluvium, diameter 20 inches, depth 96 feet. Highest water level 51.70 below lsd, May 1, 1950; lowest 74.11 below lsd, Oct. 3, 1954. Records available: 1944-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	64.40	63.65	63.00	64.69	66.47	.....	.....	.....	74.06	73.90	.....
2	.....	64.39	63.65	62.99	64.62	66.50	.....	.....	.....	74.10	73.89	.....
3	.....	64.38	.....	62.96	64.52	66.56	.....	.....	.....	74.11	73.87	.....
4	65.17	64.33	.....	62.92	64.53	66.59	.....	.....	.....	74.10	73.87	.....
5	65.17	.....	.....	62.89	64.76	66.59	.....	.....	.....	74.07	73.86	.....
6	65.15	.....	.....	62.92	65.00	66.52	.....	.....	.....	74.06	73.86	.....
7	65.10	64.23	.....	62.96	.....	66.46	.....	.....	.....	74.01	73.85	.....
8	65.05	64.21	63.42	62.90	65.13	66.46	.....	.....	.....	74.01	73.84	.....
9	65.04	64.18	63.43	.....	65.18	66.52	.....	.....	.....	74.00	73.82	.....
10	65.03	64.14	63.42	63.18	65.33	66.59	.....	.....	.....	73.98	73.81	.....
11	65.00	64.14	63.39	63.18	65.47	66.72	.....	.....	.....	73.98	73.80	.....
12	64.97	64.09	63.47	63.20	65.63	66.87	.....	.....	.....	73.99	73.78	.....
13	64.94	64.04	63.47	63.37	65.76	67.05	.....	.....	73.34	74.00	73.77	.....
14	64.90	64.01	63.37	63.50	65.87	67.18	.....	.....	73.38	73.97	73.76	.....
15	64.86	64.01	63.33	63.61	65.96	67.28	.....	.....	73.43	73.95	73.74	.....
16	64.84	.....	63.30	63.67	65.96	67.42	.....	71.80	73.48	73.95	73.73	.....
17	64.82	63.95	63.30	63.80	66.01	67.55	.....	.....	73.52	73.95	73.71	.....
18	64.77	63.92	63.29	.....	66.07	67.65	.....	.....	73.58	73.95	73.70	.....
19	64.75	63.93	63.29	.....	66.08	67.76	.....	.....	73.63	73.94	73.69	.....
20	64.78	63.88	63.23	64.12	66.10	67.87	.....	.....	73.67	73.94	73.68	.....
21	64.72	63.87	63.20	64.12	66.16	67.99	.....	.....	73.71	73.94	73.67	.....
22	.....	63.85	63.20	64.05	66.20	68.05	.....	.....	73.73	73.94	73.65	.....
23	.....	63.81	63.15	64.09	66.21	68.15	.....	.....	73.75	73.95	73.62	.....
24	.....	63.78	63.17	64.17	66.23	68.22	.....	.....	73.77	73.95	73.61	.....
25	.....	63.76	63.18	64.21	66.25	68.29	.....	.....	73.79	73.94	73.56	.....
26	.....	63.73	63.15	64.30	66.30	68.32	.....	.....	73.86	73.94	73.54	.....
27	64.53	63.74	63.10	64.37	66.34	68.36	.....	.....	73.93	73.93	73.53	.....
28	64.51	63.71	63.05	.....	66.38	.....	.....	.....	74.00	73.92	73.52	.....
29	64.48		63.06	64.71	66.39	.....	.....	.....	74.01	73.92	.....	.....
30	64.48		63.09	64.72	66.44	.....	.....	.....	74.03	73.91	.....	.....
31	64.46		63.09		66.44		.....	.....		73.90		.....

B-1-63-3cc. John Baumgardner. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 122 feet. Land-surface datum is 4,843.3 feet above msl. Highest water level 43.97 below lsd, Feb. 1, 1950; lowest 70.12 below lsd, Oct. 18, 1954. Records available: 1942-54. Apr. 7, 55.75; Oct. 18, 70.12.

B-1-63-9dd. E. A. Custer. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 120 feet. Land-surface datum is 4,862.3 feet above msl. Highest water level 45.85 below lsd, Apr. 5, 1950; lowest 72.00 below lsd, Oct. 18, 1954. Records available: 1942-54. Apr. 7, 58.40; Oct. 18, 72.00.

B-1-63-22ddc. J. J. Suppes. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 176 feet. Land-surface datum is 4,924.2 feet above msl. Highest water level 75.41 below lsd, June 4, 1948; lowest 99.10 below lsd, Oct. 18, 1954. Records available: 1940-54. Apr. 7, 89.04; Oct. 18, 99.10.

B-1-63-27dc. William Vogt. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 173 feet. Land-surface datum is 4,944.8 feet above msl. Highest water level 87.90 below lsd, Apr. 7, 1954; lowest 105.70 below lsd, Oct. 18, 1954. Records available: 1942-54. Apr. 7, 87.90; Oct. 18, 105.70.

B-1-63-28abb. Hudson Gardens Co. Drilled unused water-table well in alluvium, diameter 12 inches. Land-surface datum is 4,926.8 feet above msl. Highest water level 67.19 below lsd, June 4, 1948; lowest 84.81 below lsd, Apr. 25, 1944. Records available: 1942-54. Apr. 7, 81.50; Oct. 18, 81.93.

B-1-64-18bbd. Joseph DeBall. Dug and drilled irrigation water-table well in alluvium, diameter 12 inches, depth 36 feet. Highest water level 11.16 below lsd, Nov. 9, 1949; lowest 19.60 below lsd, Nov. 18, 1953. Records available: 1940-53. Measurement discontinued.

B-1-65-4bb1. Paul Dawkins. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 62 feet. Highest water level 19.62 below lsd, Nov. 18, 1953; lowest 25.12 below lsd, Nov. 10, 1954. Records available: 1953-54. Nov. 10, 25.12.

B-1-65-12ccc. Joseph Wuertz. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 52 feet. Highest water level 10.95 below lsd, June 22, 1949; lowest 24.28 below lsd, Aug. 22, 1953. Records available: 1940-54. Measurement discontinued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	Day	Jan.	Feb.	Mar.	Apr.	May
1	21.70	21.70	21.70	21.65	24.00	17	21.68	21.69	21.63	22.26	.....
2	21.70	21.70	21.70	21.61	23.81	18	21.68	21.65	21.61	22.61	.....
3	21.67	21.70	21.69	21.63	23.68	19	21.71	21.65	21.63	23.03	.....
4	21.72	21.68	21.65	21.62	23.58	20	21.74	21.65	21.66	23.19	.....
5	21.73	21.67	21.66	21.62	23.49	21	21.72	21.65	21.65	23.17	.....
6	21.74	21.68	21.65	21.63	23.41	22	21.70	21.67	21.65	22.91	.....
7	21.70	21.68	21.64	21.65	23.34	23	21.69	21.67	21.65	23.28	.....
8	21.69	21.68	21.65	21.63	23.29	24	21.67	21.67	21.63	23.53	.....
9	21.72	21.67	21.63	21.60	23.26	25	21.70	21.66	21.64	23.78	.....
10	21.68	21.67	21.61	21.63	23.46	26	21.72	21.66	21.64	23.96	.....
11	21.70	21.68	21.60	21.65	23.71	27	21.73	21.64	21.63	24.12	.....
12	21.71	21.67	21.68	21.64	23.98	28	21.70	21.67	21.62	24.16	.....
13	21.71	21.63	21.69	21.62	24.13	29	21.70		21.63	24.16	.....
14	21.70	21.63	21.68	21.68	.....	30	21.71		21.66	24.10	.....
15	21.68	21.68	21.66	21.73	.....	31	21.71		21.66		.....
16	21.69	21.68	21.66	21.84	.....						

B-1-65-24cdc. Joseph Wuertz. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 60 feet. Highest water level 12.77 below lsd, Nov. 9, 1949; lowest 24.35 below lsd, Nov. 11, 1954. Records available: 1940-54. Nov. 11, 24.35.

B-1-65-25cd. Fred Haffner, Sr. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 69 feet. Highest water level 30.29 below lsd, Apr. 12, 1950; lowest 40.40 below lsd, Nov. 11, 1954. Records available: 1940-54. Nov. 11, 40.40.

B-1-66-7dd. W. A. Wallace. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 65 feet. Highest water level 14.33 below lsd, Nov. 3, 1944; lowest 22.00 below lsd, Apr. 23, 1946. Records available: 1937-53. No measurement made in 1954.

B-1-66-30ad. G. J. Mancini. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 31 feet. Highest water level 10.29 below lsd, Oct. 12, 1933; lowest 17.93 below lsd, Apr. 16, 1952. Records available: 1929-54. Nov. 11, 16.05.

B-1-66-31dcd. Carl Caranci. Dug irrigation water-table well in alluvium, diameter 10 feet, depth 36 feet. Highest water level 14.90 below lsd, Sept. 6, 1929; lowest 20.80 below lsd, Oct. 27, 1939. Records available: 1929-54. Nov. 11, 20.53.

B-2-62-6cb1. Oliver Warden. Drilled irrigation water-table well in alluvium, diameter 6 inches, depth 72 feet. Highest water level 10.48 below lsd, Dec. 9, 1949, May 23, 1950; lowest 15.03 below lsd, Oct. 18, 1954. Records available: 1947-54. Apr. 7, 13.46; Oct. 18, 15.03.

B-2-62-18cbc. Mrs. Sadie Knox. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 78 feet. Highest water level 17.90 below lsd, Apr. 23, 1936; lowest 30.70 below lsd, Oct. 18, 1954. Records available: 1936-43, 1945-54. Apr. 7, 27.74; Oct. 18, 30.70.

B-2-62-19cdc2. M. A. Shoeneman. Dug and drilled irrigation water-table well in alluvium, diameter 18 inches, depth 87 feet. Highest water level 35.21 below lsd, Apr. 23, 1948; lowest 42.51 below lsd, Oct. 18, 1954. Records available: 1947-54. Apr. 7, 39.20; Oct. 18, 42.51.

B-2-63-15dcd. Mrs. Sadie Knox. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 93 feet. Land-surface datum is 4,760.7 feet above msl. Highest water level 16.48 below lsd, June 16, 1949; lowest 28.89 below lsd, Oct. 18, 1954. Records available: 1941-54. Apr. 7, 24.09; Oct. 18, 28.89.

B-2-63-22cc. H. O. Milcap. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 87 feet. Land-surface datum is 4,783.8 feet above msl. Highest water level 28.56 below lsd, Apr. 5, 1950; lowest 45.40 below lsd, Oct. 18, 1954. Records available: 1942-54. Apr. 7, 37.03; Oct. 18, 45.40.

B-2-63-23dcc. Edward Weickum. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 79 feet. Land-surface datum is 4,786.3 feet above msl. Highest water level 43.28 below lsd, Apr. 5, 1950; lowest 58.16 below lsd, Oct. 18, 1954. Records available: 1944-54. Apr. 7, 50.56; Oct. 18, 58.16.

B-2-63-28ddd. C. V. Maddux. Drilled irrigation water-table well in alluvium, diameter 48 to 40 inches, depth 97 feet. Land-surface datum is 4,800.4 feet above msl. Highest water level 33.68 below lsd, Feb. 1, Apr. 5, 1950; lowest 57.18 below lsd, Oct. 18, 1954. Records available: 1942-54. Apr. 7, 44.63; Oct. 18, 57.18.

B-2-63-32aa. Tony Batelli. Drilled irrigation water-table well in alluvium, diameter 36 inches, depth 41 feet. Land-surface datum is 4,802.4 feet above msl. Highest water level 22.71 below lsd, Apr. 25, 1934; lowest 37.43 below lsd, Apr. 16, 1942. Records available: 1934-54. Apr. 7, 32.07; Oct. 18, 32.97.

B-2-63-34ccc. R. L. Martin. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 105 feet. Land-surface datum is 4,830.3 feet above msl. Highest water level 47.29 below lsd, Apr. 5, 1950; lowest 74.17 below lsd, Oct. 18, 1954. Records available: 1938-54. Apr. 7, 60.49; Oct. 18, 74.17.

B-2-63-35dcc. William A. Carlson. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 91 feet. Land-surface datum is 4,814.2 feet above msl. Highest water level 35.76 below lsd, Apr. 25, 1934; lowest 58.84 below lsd, Oct. 18, 1954. Records available: 1934-54. Apr. 7, 49.99; Oct. 18, 58.84.

B-2-63-36bcb. Martin Scheid. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth 76 feet. Land-surface datum is 4,797.4 feet above msl. Highest water level 41.27 below lsd, Apr. 29, 1937; lowest 58.85 below lsd, Oct. 18, 1954. Records available: 1937-54. Apr. 7, 50.32; Oct. 18, 58.85.

B-2-64-30cbc. Floyd Schroeder. Drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 8.54 below lsd, Oct. 9, 1942; lowest 12.90 below lsd, Nov. 10, 1954. Records available: 1940-54. Nov. 10, 12.90.

B-2-65-16bc. Herman Thomason. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 81 feet. Highest water level 35.01 below lsd, Nov. 18, 1953; lowest 42.81 below lsd, Nov. 10, 1954. Records available: 1953-54. Nov. 10, 42.81.

B-2-66-7ddd. A. L. Johnson. Drilled irrigation water-table well in alluvium, diameter 40 to 20 inches, depth 36 feet. Highest water level 7.96 below lsd, Sept. 6, 1929; lowest 14.53 below lsd, May 8, 1941. Records available: 1929-54. Nov. 10, 10.90.

B-2-66-20bc. E. F. Krause. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 52 feet. Highest water level 9.63 below lsd, Sept. 6, 1929; lowest 15.84 below lsd, Apr. 4, 1951. Records available: 1929-54. Nov. 10, 14.30.

B-2-66-29cc. S. J. Rhode. Dug irrigation water-table well in alluvium, diameter 8 feet. Highest water level 14.95 below lsd, Dec. 10, 1938; lowest 21.20 below lsd, May 8, 1941. Records available: 1935-54. Nov. 10, 20.66.

B-3-64-17cc. E. D. Seldin. Drilled irrigation water-table well in alluvium, diameter 30 inches, depth 60 feet. Highest water level 5.20 below lsd, Apr. 23, 1948; lowest 13.96 below lsd, Nov. 10, 1954. Records available: 1940-54. Nov. 10, 13.96.

B-3-64-30ccc. Mrs. Maud C. Hanson. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 57 feet. Highest water level 4.28 below lsd, May 28, 1944; lowest 10.72 below lsd, Nov. 10, 1954. Records available: 1940-54. Nov. 10, 10.72.

B-3-66-18cbc. C. C. Oster. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 30 feet. Highest water level 10.71 below lsd, Oct. 27, 1947; lowest 19.12 below lsd, Apr. 28, 1947. Records available: 1947-54. Nov. 10, 17.29.

B-4-61-28bb1. K. Mori. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 100 feet. Highest water level 21.60 below lsd, Oct. 9, 1947; lowest 33.55 below lsd, Apr. 7, 1954. Records available: 1947-54. Apr. 7, 33.55; Oct. 18, 30.00.

B-4-64-1ccc2. Alice St. John. Drilled irrigation water-table well in alluvium, diameter 18 inches. Highest water level 7.50 below lsd, Nov. 9, 1949; lowest 13.35 below lsd, Nov. 10, 1954. Records available: 1949-54. Nov. 10, 13.35.

B-4-64-10ddd. F. L. Chestnut. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 60 feet. Highest water level 6.43 below lsd, Nov. 9, 1949; lowest 16.08 below lsd, Nov. 10, 1954. Records available: 1940-54. Nov. 10, 16.08.

B-4-64-12cc. H. Duell. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 72 feet. Highest water level 12.20 below lsd, Nov. 9, 1949; lowest 22.50 below lsd, Nov. 3, 1941. Records available: 1940-54. Nov. 10, 21.43.

B-4-65-6da2. C. E. Goodner. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 83 feet. Highest water level 10.21 below lsd, Nov. 8, 1949; lowest 18.94 below lsd, Nov. 10, 1954. Records available: 1949-54. Nov. 10, 18.94.

B-4-65-18daa. Root Bros. Dug irrigation water-table well in alluvium, diameter 10 feet, depth 23 feet. Highest water level 4.06 below lsd, May 12, 1942; lowest 17.22 below lsd, Nov. 10, 1954. Records available: 1929-54. Nov. 10, 17.22.

B-4-66-9cdc. E. S. Linden. Drilled irrigation water-table well in alluvium, diameter 18 inches. Highest water level 17.40 below lsd, Oct. 27, 1947; lowest 30.80 below lsd, Nov. 10, 1954. Records available: 1945-54. Nov. 10, 30.80.

B-4-66-13dd2. Paul Jewel. Drilled irrigation water-table well in alluvium, diameter 18 inches. Highest water level 16.00 below lsd, Dec. 5, 1951; lowest 25.37 below lsd, Nov. 10, 1954. Records available: 1951-54. Nov. 10, 25.37.

B-4-66-14bab. W. H. Ewing. Dug and drilled irrigation water-table well in alluvium, depth 76 feet. Highest water level 10.22 below lsd, Sept. 17, 1930; lowest 22.57 below lsd, May 8, 1941. Records available: 1929-53. Measurement discontinued.

B-4-66-15ccc. H. G. Martin. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 75 feet. Highest water level 17.30 below lsd, Oct. 27, 1947; lowest 34.20 below lsd, Nov. 10, 1954. Records available: 1939-54. Nov. 10, 34.20.

B-4-66-15ddd. M. L. Winslow. Drilled unused water-table well in alluvium, diameter 10 to 4 inches, depth 51 feet. Highest water level 3.14 below lsd, Oct. 27, 1947; lowest 18.56 below lsd, Nov. 10, 1954. Records available: 1941-54. Nov. 10, 18.56.

B-4-66-17bcc. R. O. Larsen. Drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 4.70 below lsd, May 12, 1942; lowest 8.01 below lsd, Apr. 11, 1950. Records available: 1942-54. Nov. 10, 7.25.

B-4-66-19ddd2. J. C. Breckon. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 62 feet. Highest water level 17.43 below lsd, Nov. 5, 1952; lowest 25.24 below lsd, Nov. 10, 1954. Records available: 1950-54. Nov. 10, 25.24.

B-4-66-27add. John O. Lorenz. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 36 feet. Highest water level 2.86 below lsd, May 12, 1942; lowest 8.76 below lsd, Nov. 27, 1950. Records available: 1942-53. No measurement made in 1954.

B-4-66-28cc. Elbert Cogburn. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 87 feet. Highest water level 16.14 below lsd, Oct. 27, 1947; lowest 29.59 below lsd, Nov. 10, 1954. Records available: 1941-54. Nov. 10, 29.59.

B-4-66-31dcc. W. D. Farr. Dug and drilled irrigation water-table well in alluvium, diameter 4 feet, depth 54 feet. Highest water level 13.40 below lsd, Oct. 27, 1947; lowest 26.10 below lsd, Nov. 10, 1954. Records available: 1942-54. Nov. 10, 26.10.

B-4-67-13cd. E. H. Sappington. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 36 feet. Highest water level 3.65 below lsd, Oct. 27, 1947; lowest 10.07 below lsd, Apr. 22, 1946. Records available: 1941-54. Nov. 10, 5.45.

B-5-64-35ddd. P. Hoshiko. Drilled unused water-table well in alluvium, diameter 24 inches. Highest water level 5.19 below lsd, Nov. 9, 1949; lowest 10.79 below lsd, Dec. 27, 1940. Records available: 1940-47, 1949-53. Measurement discontinued.

B-5-64-36dcc. W. F. Rothe. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 72 feet. Highest water level 6.34 below lsd, Nov. 5, 1952; lowest 14.90 below lsd, Nov. 10, 1954. Records available: 1952-54. Nov. 5, 1952, 6.34; Mar. 25, 1953, 8.15; Nov. 17, 7.20; Nov. 10, 1954, 14.90.

B-5-65-26bcc. George Alles, Sr. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 45 feet. Highest water level 3.82 below lsd, July 10, 1929; lowest 11.03 below lsd, Apr. 11, 1950. Records available: 1928-54. Nov. 10, 8.86.

B-5-65-27ccb. Henry A. Alles. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 50 feet. Highest water level 8.50 below lsd, Aug. 12, 1941; lowest 14.89 below lsd, Apr. 16, 1952. Records available: 1941-54. Nov. 10, 11.42.

B-6-63-29bbb. H. L. Wells. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 37 feet. Highest water level 7.19 below lsd, Aug. 11, 1932; lowest 21.71 below lsd, Nov. 22, 1954. Records available: 1932-54. Nov. 22, 21.71.

B-6-64-24aaa. M. R. Leaver. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 6.30 below lsd, Sept. 1, 1933; lowest 12.95 below lsd, Dec. 23, 1940. Records available: 1932-54. Nov. 22, 12.68.

B-6-64-25aad. Mrs. C. W. Bell. Drilled irrigation water-table well in alluvium, diameter 30 inches, depth 50 feet. Highest water level 15.05 below lsd, Nov. 30, 1951; lowest 22.61 below lsd, Nov. 22, 1954. Records available: 1949-54. Nov. 22, 22.61.

B-6-64-26da. Asa Jones. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 29 feet. Highest water level 7.84 below lsd, Nov. 30, 1951; lowest 11.60 below lsd, Nov. 22, 1954. Records available: 1938-54. Nov. 22, 11.60.

B-6-64-32bab. Charles Moore. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 60 feet. Highest water level 22.88 below lsd, Nov. 2, 1945; lowest 32.72 below lsd, Nov. 22, 1954. Records available: 1941-54. Nov. 22, 32.72.

B-6-65-3bb. T. H. Wilson. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 32 feet. Highest water level 7.20 below lsd, May 5, 1944; lowest 12.85 below lsd, Dec. 23, 1940. Records available: 1940-54. Nov. 22, 11.89.

B-6-65-10bbb. L. C. Roberts. Dug and drilled irrigation water-table well in alluvium, diameter 4 feet, depth 35 feet. Highest water level 4.77 below lsd, June 9, 1929; lowest 13.73 below lsd, Apr. 24, 1941. Records available: 1929-45, 1947-54. Nov. 22, 12.15.

B-6-65-13cd. Chas. Takahashi. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 30 feet. Highest water level 13.03 below lsd, Nov. 25, 1953; lowest 13.84 below lsd, Nov. 22, 1954. Records available: 1953-54. Nov. 22, 13.84.

B-6-65-15bbb. H. N. Huff. Drilled irrigation water-table well in alluvium, diameter 30 to 16 inches, depth 62 feet. Highest water level 9.60 below lsd, Nov. 6, 1945; lowest 16.87 below lsd, Apr. 24, 1941. Records available: 1935-45, 1947-54. Nov. 22, 13.69.

B-6-65-17bbc. H. W. Farr. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 65 feet. Highest water level 21.22 below lsd, Aug. 1, 1932; lowest 40.68 below lsd, Sept. 7, 1940. Records available: 1932-54. Nov. 22, 36.82.

B-6-65-18bbb. James Milne. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 51 feet. Highest water level 24.15 below lsd, Nov. 2, 1945; lowest 38.40 below lsd, Sept. 16, 1940. Records available: 1938-54. Nov. 22, 36.61.

B-6-65-34bb. Ildo Williams. Drilled irrigation water-table well in alluvium, diameter 30 inches, depth 36 feet. Highest water level 9.53 below lsd, Nov. 30, 1951; lowest 17.39 below lsd, Nov. 22, 1954. Records available: 1941-54. Nov. 22, 17.39.

B-6-66-1bab2. Gust Johnson. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 54 feet. Highest water level 29.65 below lsd, Apr. 22, 1953; lowest 37.17 below lsd, Nov. 22, 1954. Records available: 1952-54. Nov. 22, 37.17.

B-6-66-20ccd. J. K. Emerson. Drilled irrigation water-table well in alluvium, diameter 36 inches, depth 34 feet. Highest water level 11.80 below lsd, Nov. 2, 1945; lowest 18.80 below lsd, May 2, 1941. Records available: 1941-54. Nov. 22, 16.09.

B-6-67-12bb. Chris Felte. Drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 5.70 below lsd, Apr. 28, 1948; lowest 11.18 below lsd, Nov. 3, 1941. Records available: 1941-54. Nov. 22, 10.25.

B-6-67-17dc. Henry Kraus. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 15 feet. Highest water level 3.90 below lsd, Aug. 7, 1929; lowest 9.40 below lsd, May 8, 1935. Records available: 1928-30, 1932, 1934-35, 1941-54. Nov. 22, 9.12.

B-6-67-23bb1. Henry Stromberger. Drilled water-table well in alluvium, diameter 6 inches, depth 18 feet. Highest water level 4.68 below lsd, Nov. 30, 1951; lowest 8.23 below lsd, Nov. 22, 1954. Records available: 1951-54. Nov. 22, 8.23.

B-7-65-7bcc. A. B. Stewart. Drilled irrigation water-table well in alluvium, diameter 30 inches, depth 65 feet. Highest water level 31.85 below lsd, May 5, 1944; lowest 43.96 below lsd, Nov. 3, 1941. Records available: 1939-45, 1947-54. Nov. 22, 43.24.

B-7-65-10bcb. M. H. Graham. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 34 feet. Highest water level 4.95 below lsd, Apr. 25, 1929; lowest 18.03 below lsd, Dec. 23, 1940. Records available: 1929-45, 1947-54. Nov. 22, 16.92.

B-7-65-16bbb. K. Akahoshi. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 4.64 below lsd, Nov. 30, 1951; lowest 7.42 below lsd, Apr. 29, 1946. Records available: 1942-48, 1950-54. Nov. 22, 5.64.

B-7-65-18cdb. Harry Clark. Drilled irrigation water-table well in alluvium, diameter 48 to 40 inches, depth 66 feet. Highest water level 2.93 below lsd, Sept. 10, 1929; lowest 35.97 below lsd, Nov. 22, 1954. Records available: 1929-32, 1935, 1942-48, 1950-54. Nov. 22, 35.97.

B-7-65-21aaa. H. G. Liebhardt. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 5.80 below lsd, May 5, 1944; lowest 9.16 below lsd, Apr. 24, 1941. Records available: 1941-45, 1947-54. Nov. 22, 8.42.

B-7-65-28aa. R. F. Blandon. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 13.67 below lsd, Sept. 17, 1930; lowest 18.58 below lsd, Dec. 23, 1940. Records available: 1929-45, 1947-54. Nov. 22, 17.27.

B-7-65-30bbb. J. L. Nix. Drilled irrigation water-table well in alluvium, diameter 36 inches, depth 63 feet. Highest water level 14.68 below lsd, Nov. 6, 1945; lowest 27.57 below lsd, Apr. 15, 1942. Records available: 1942-48, 1950-54. Nov. 22, 27.52.

B-7-66-1ab. C. A. Pettibone. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 27 feet. Highest water level 7.86 below lsd, Sept. 20, 1929; lowest 20.69 below lsd, Apr. 24, 1941. Records available: 1929-45, 1947-54. Nov. 22, 16.57.

B-7-66-2abb. L. Fletcher. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 44 feet. Highest water level 21.00 below lsd, Sept. 20, 1929; lowest 33.00 below lsd, Apr. 24, 1941. Records available: 1929-45, 1947-54. Nov. 22, 32.83.

B-7-66-14aba. Fred Hoffner. Dug irrigation water-table well in alluvium, diameter 12 feet, depth 39 feet. Highest water level 8.00 below lsd, Sept. 11, 1929; lowest 25.17 below lsd, Apr. 18, 1942. Records available: 1929-54. Nov. 22, 18.35.

B-7-66-14bcc. Mrs. Alice Ehn. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 47 feet. Highest water level 14.02 below lsd, Nov. 13, 1952; lowest 22.35 below lsd, Apr. 15, 1942. Records available: 1942-54. Nov. 22, 17.40.

B-7-66-25bcc. Guy Clark. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 65 feet. Highest water level 24.40 below lsd, Mar. 29, 1943; lowest 36.81 below lsd, Nov. 3, 1941. Records available: 1935-54. Nov. 22, 34.55.

B-8-65-8bbb. H. L. Kramer. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 18.62 below lsd, Nov. 6, 1945; lowest 23.70 below lsd, Nov. 22, 1954. Records available: 1941-54. Nov. 22, 23.70.

B-8-65-20dbb. Edward Vadeburg. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 30 feet. Highest water level 11.90 below lsd, Apr. 22, 1953; lowest 21.08 below lsd, Dec. 23, 1940. Records available: 1928-45, 1947-54. Nov. 22, 17.58.

B-8-65-28bbb. W. T. Miller. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 29 feet. Highest water level 8.43 below lsd, Sept. 20, 1929; lowest 17.06 below lsd, Dec. 23, 1940. Records available: 1929-45, 1947-54. Nov. 22, 14.49.

B-8-65-34abb. J. F. Duncan. Dug irrigation water-table well in alluvium, diameter 10 feet, depth 16 feet. Highest water level 3.94 below lsd, Feb. 25, 1931; lowest 8.22 below lsd, Apr. 24, 1941. Records available: 1929-54. Nov. 22, 6.60.

B-8-65-34dcc. A. B. McClave. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 25 feet. Highest water level 1.15 below lsd, Apr. 25, 1929; lowest 8.75 below lsd, May 2, 1938, Dec. 23, 1940, Apr. 24, 1941. Records available: 1928-54. Nov. 22, 7.30.

B-8-66-1bab. Herman Babb. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 25 feet. Highest water level 14.29 below lsd, Dec. 3, 1942; lowest 22.37 below lsd, Nov. 22, 1954. Records available: 1931, 1940-54. Nov. 22, 22.37.

B-8-66-22aaa. Troy Jones. Dug irrigation water-table well in alluvium, diameter 12 feet, depth 31 feet. Highest water level 16.20 below lsd, Jan. 8, 1947; lowest 22.68 below lsd, Nov. 22, 1954. Records available: 1929-54. Nov. 22, 22.68.

B-8-66-26cbb2. C. Fisk. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 38 feet. Highest water level 22.57 below lsd, Nov. 18, 1947; lowest 26.22 below lsd, Nov. 17, 1948, Apr. 13, 1951. Records available: 1947-53. Measurement discontinued.

B-8-66-26cbb3. C. Fisk. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 40 feet. Highest water level 24.52 below lsd, Nov. 25, 1953; lowest 27.23 below lsd, Nov. 22, 1954. Records available: 1953-54. Nov. 22, 27.23.

B-9-65-18cbb. U. S. Dept. of Agriculture. Dug unused water-table well in alluvium, diameter 8 feet. Highest water level 20.30 below lsd, Nov. 6, 1945; lowest 21.35 below lsd, Apr. 14, 1942. Records available: 1942-52. No measurement made in 1954.

B-10-66-12dd. U. S. Dept. of Agriculture. Dug unused water-table well in alluvium, depth 27 feet. Highest water level 22.88 below lsd, Apr. 14, 1942; lowest 24.00 below lsd, Apr. 22, 1953. Records available: 1942-53. Measurement discontinued.

B-10-66-22ccc. U. S. Dept. of Agriculture. Dug unused water-table well in alluvium, depth 45 feet. Highest water level 44.03 below lsd, Apr. 14, Dec. 3, 1942; lowest 44.42 below lsd, May 17, 1945. Records available: 1942-53. No measurement made in 1954.

IDAHO

By G. E. Brandvold, H. G. Sisco, and R. H. Carson

Scope of Water-Level Program

The observation-well program in Idaho has been continuous since 1946 in cooperation with the State Department of Reclamation. Measurements in observation wells in the Rathdrum Valley, Kootenai County, were made in collaboration with the Idaho Department of Fish and Game, and in the Snake River plain in collaboration with the U. S. Atomic Energy Commission and the Bureau of Reclamation. Special investigations on behalf of the Atomic Energy Commission, begun in 1949, were continued in the central Snake River plain. An areal study in the western Snake River plain was continued as a noncooperative Federal project. An appraisal study of ground-water resources of the upper Big Wood River-Silver Creek area in Blaine County was begun in cooperation with the Federal Bureau of Reclamation. At the end of the year, measurements were being made in 86 observation wells in 16 of the 44 counties in Idaho. Ten recording gages and two nonrecording gages were operated throughout 1954. Figures 11-14 show the location of observation wells in the State.

The following mimeographed report was released to the open file in 1954: Records of wells, water-level fluctuations, and ground-water withdrawals in the Aberdeen-Springfield area, Bingham and Power Counties, Idaho, by Harold G. Sisco.

Interpretation of Water-Level Fluctuations

Observation wells in the Boise Valley of Ada and Canyon Counties are in a heavily irrigated area of about 350 square miles. The effects of local precipitation on water-level fluctuations in the valley are largely masked by the effects of artificial recharge from excess irrigation water from the Boise River. Drainage canals and pumped drainage wells also introduce local complications in water-level fluctuations. Although precipitation in the area during 1954 was below normal and considerably below that of 1953, 3 of the 7 wells reported in the valley reached new high levels. The rise in water levels probably was caused largely by increased applications of irrigation water during the abnormally dry spring and summer. Figure 15 shows long-term water-level records for wells 4N 1W-36da1 and 3N 2W-25aa1 that are representative of wells in the irrigated part of the Boise Valley. Boise County well 7N 2E-34ca1 fluctuated within its normal range, but the year-end water level was 2.5 feet below that of 1953, indicating deficient recharge from below-normal precipitation during the year. This well, in a mountain valley area, represents the natural ground-water storage that maintains the dry-season flow of local streams.

There was no appreciable change in the water level in Bonneville County well 3N 41E-6cb1, near the edge of an extensive irrigated area in the eastern Snake River plain. Figure 16 is a hydrograph of the well.

Wells in the Raft River valley, Cassia County, ranged below normal and showed appreciable net decreases in ground-water storage. Water levels in 6 of the 8 wells reported reached record-low levels in 1954. This was a result of below-normal precipitation on the watershed and increased withdrawals of ground water for new irrigation developments. Records of new drilling in the area during 1953 and 1954 are not complete, but it is estimated that ground-water withdrawals in 1954 did not exceed 30,000 acre-feet. Well 13S 22E-9dc1, in the Oakley Valley, Cassia County, is in an area of currently increasing ground-water use. The water level in the well ranged considerably below normal, and the net decline during the year was about 12 feet. The net decline was caused partly by below-normal precipitation and partly by increased draft on ground water for irrigation development. Irrigation withdrawals in 1954 were estimated to be about 15,000 acre-feet.

The water level in Jefferson County well 5N 34E-9db1 fluctuates in response to changes in barometric pressure, as well as to other factors. The barometric efficiency of the well is about 60 percent, but the water levels listed in this report have not been adjusted for barometric effects.

In the Rathdrum Valley of Kootenai County, water levels were generally above average at the end of 1954. In the northeastern part of the Rathdrum Valley, near Pend Oreille Lake, water levels in wells formerly attained their highest levels in late spring when the stage of the lake was at its maximum. Since July 1952, however, the stage of the lake has been regulated by Albeni Falls Dam on the Pend Oreille River. Water levels in wells near the lake now reach their highest

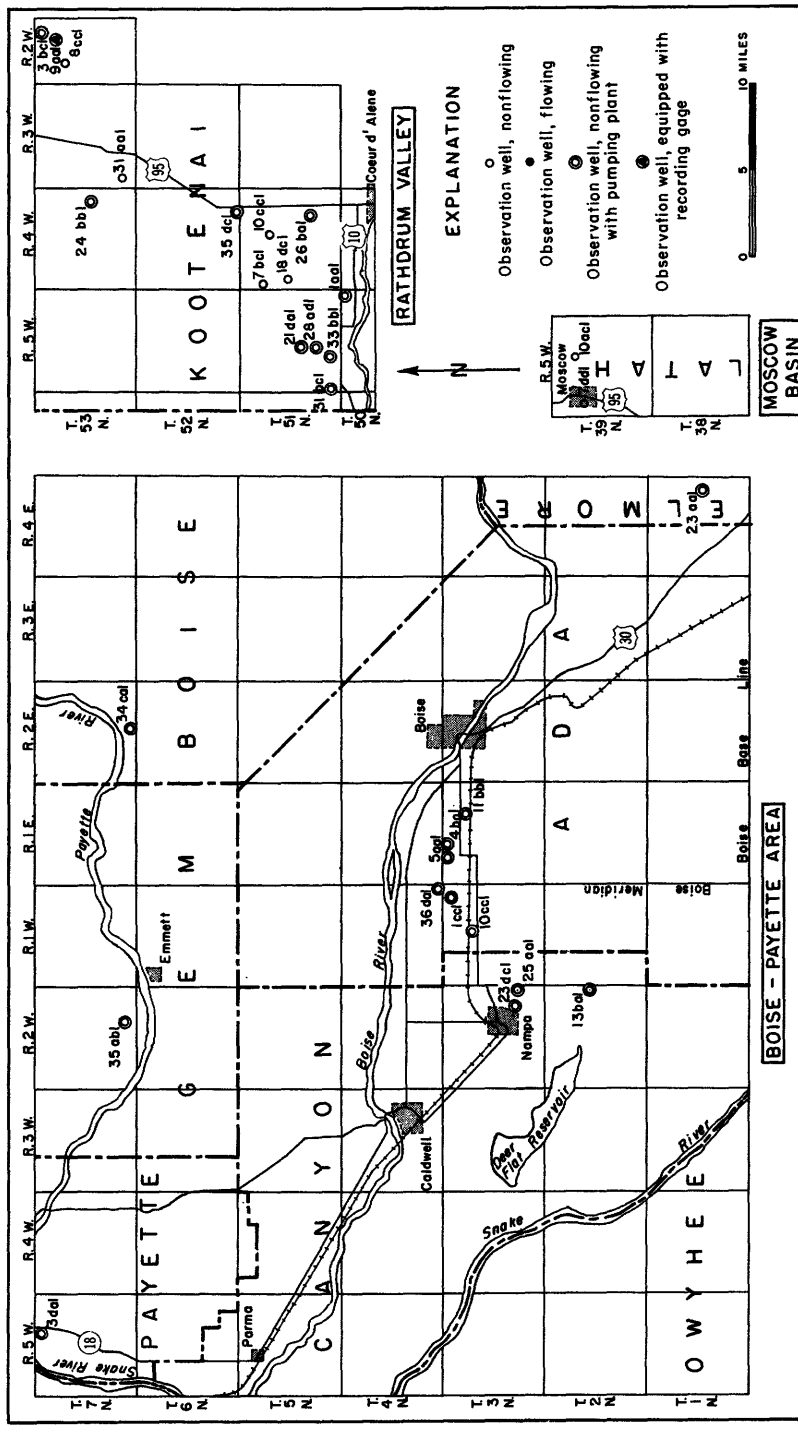


Figure 11.--Location of observation wells in Boise-Payette area, Rathdrum Valley, and Moscow Basin, Idaho, 1954.

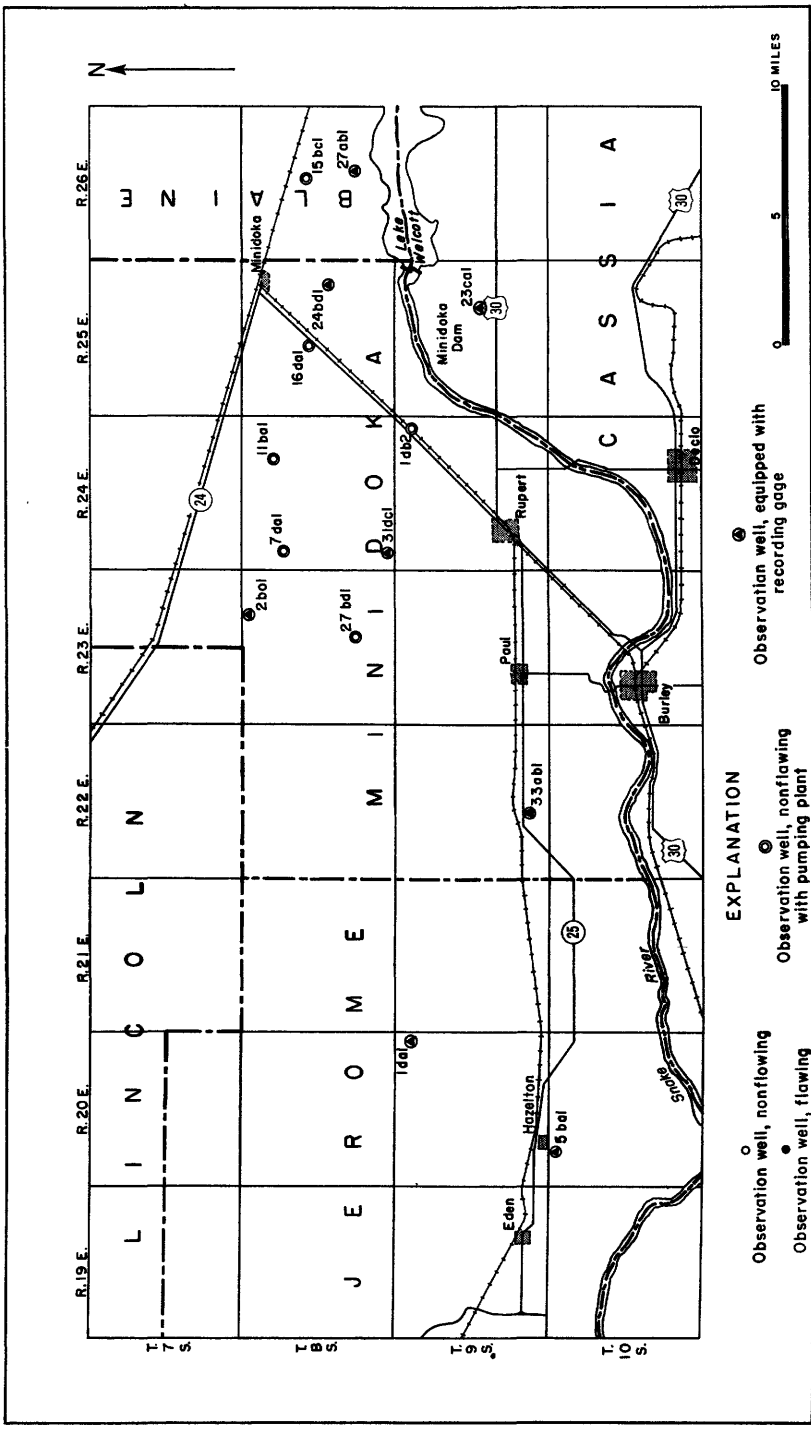


Figure 12. --Location of observation wells in western Snake River plain, Idaho, 1954.

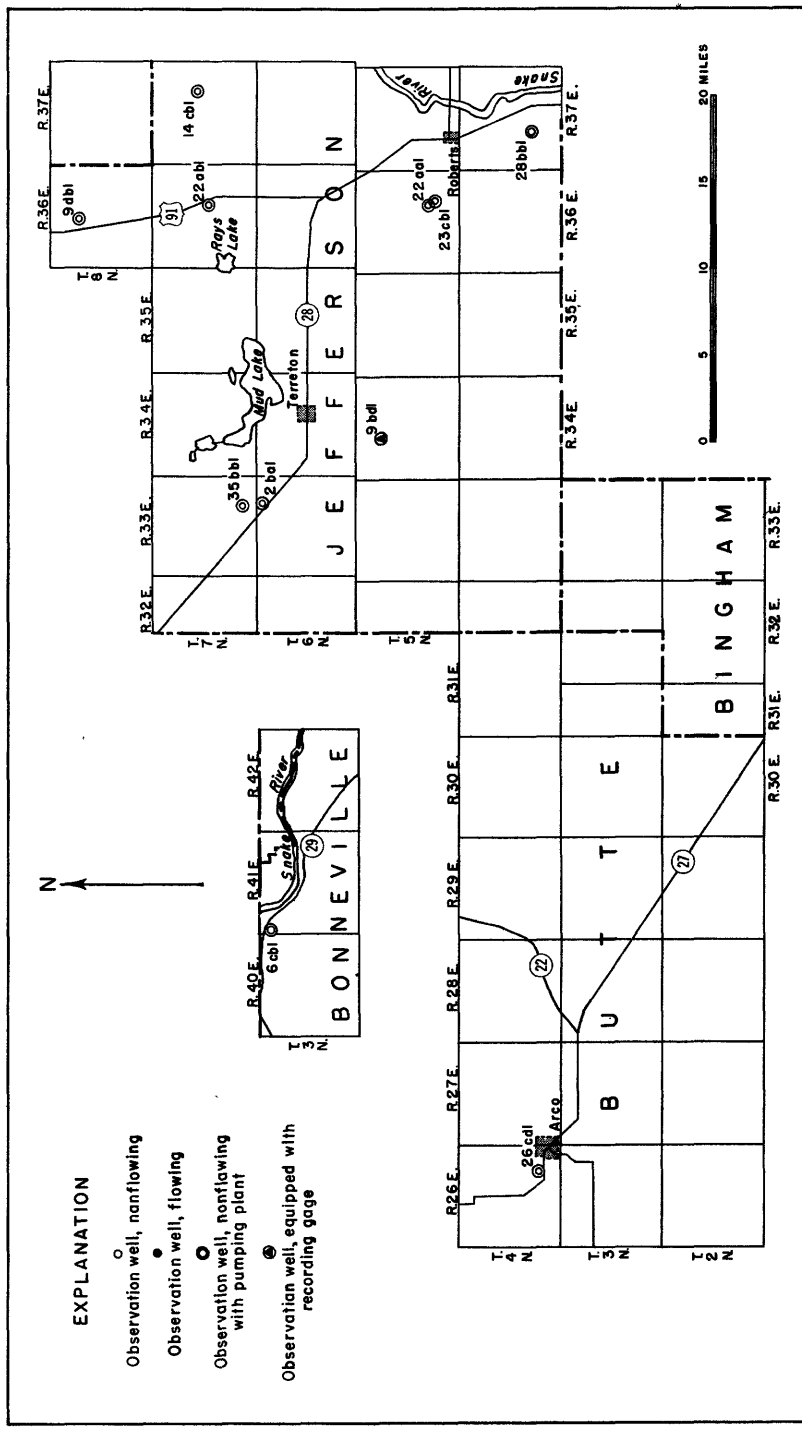


Figure 13. --Location of observation wells in eastern Snake River plain, Idaho, 1954.

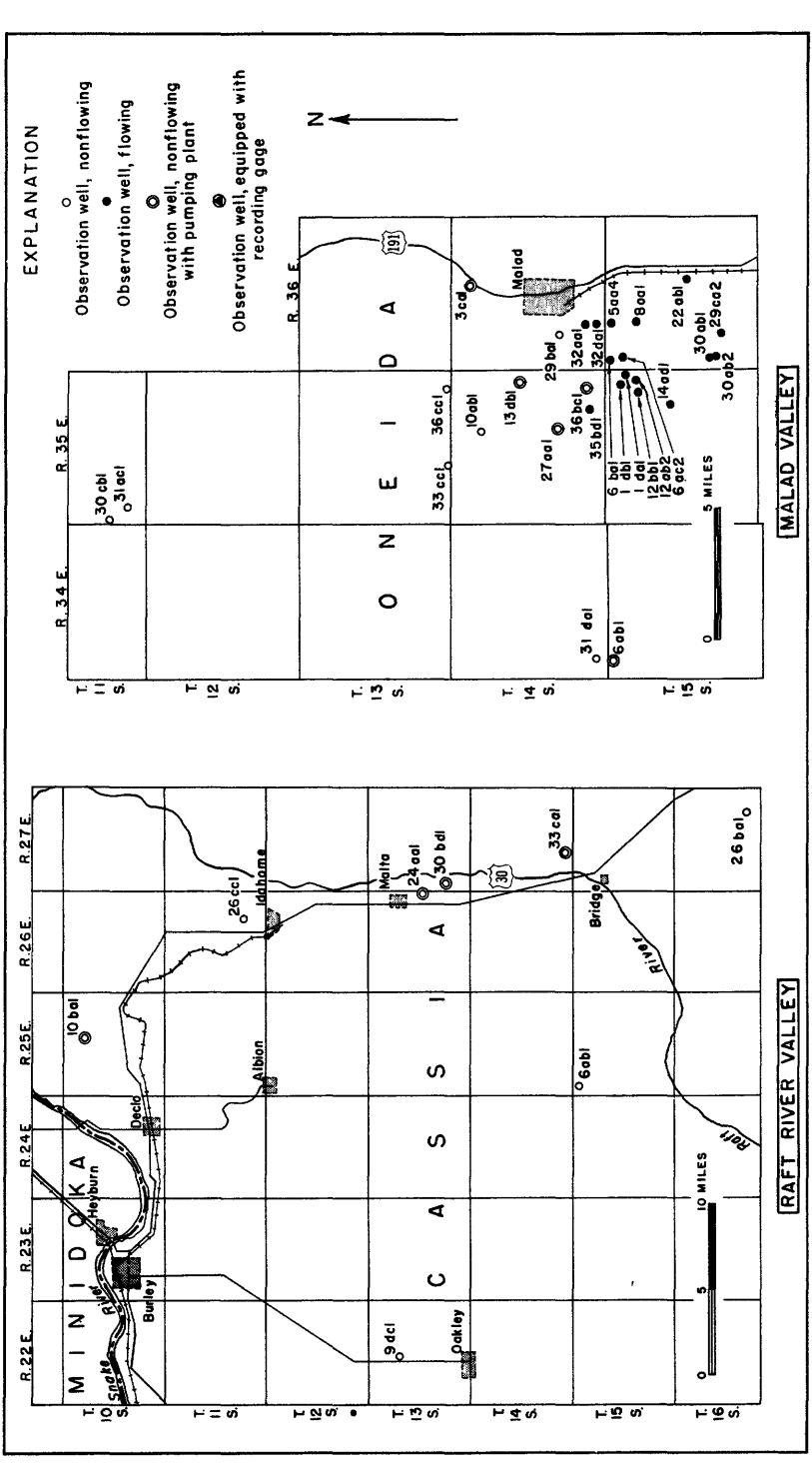


Figure 14.--Location of observation wells in Raft River valley, Cassia County, and Malad Valley, Oneida County, Idaho, 1954.

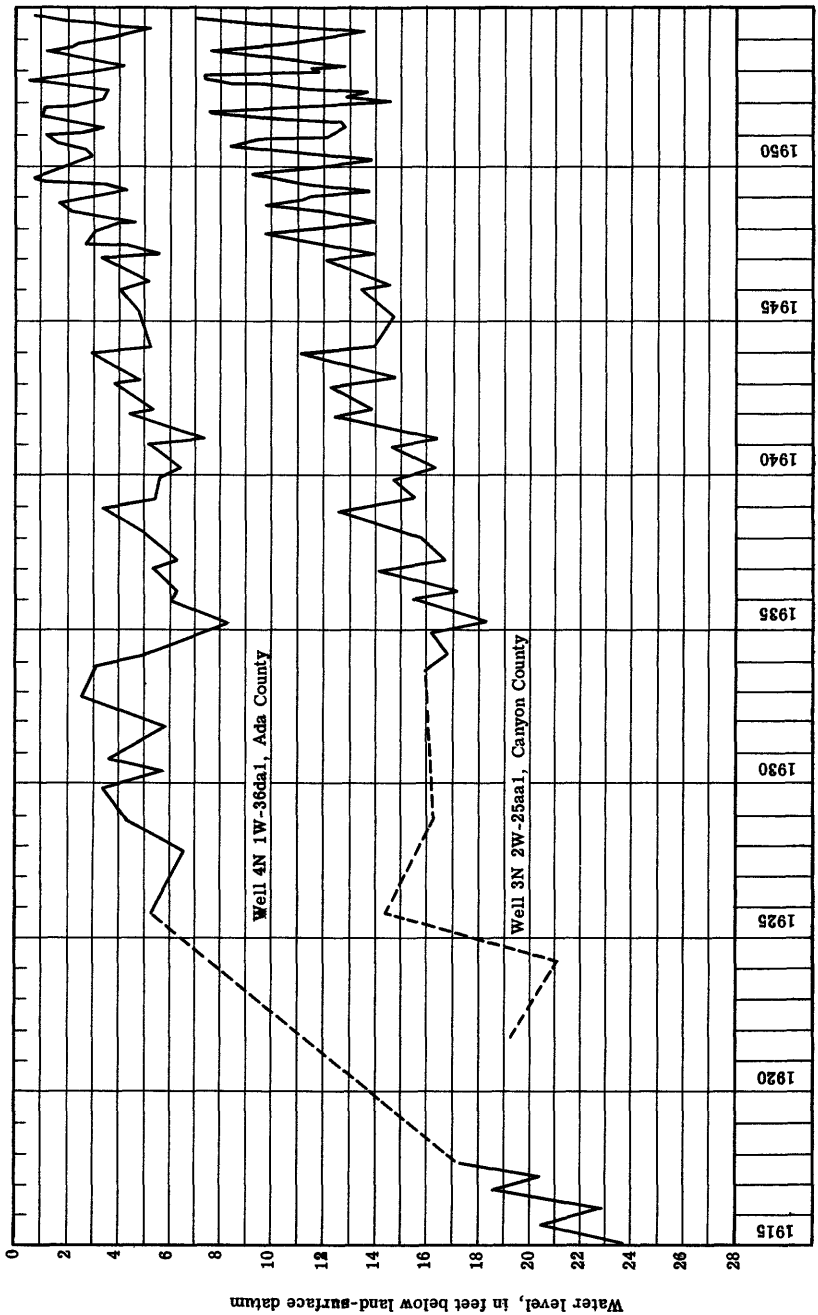


Figure 15. --Long-term water-level fluctuations in wells in Boise Valley, Ada and Canyon Counties, Idaho.

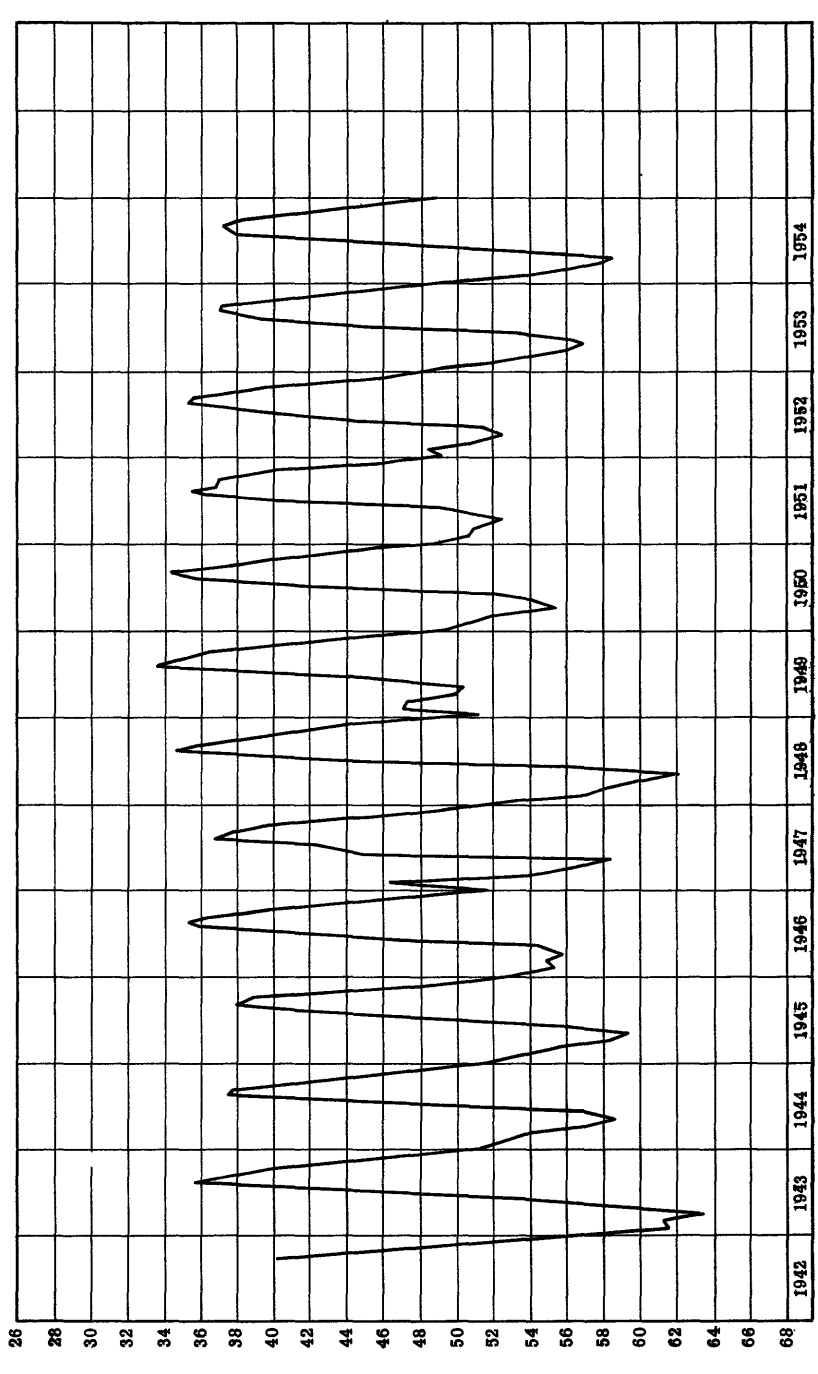


Figure 16.--Fluctuations of water-level in well 3N 41E-6cb1, Bonneville County, Idaho, 1942-54.

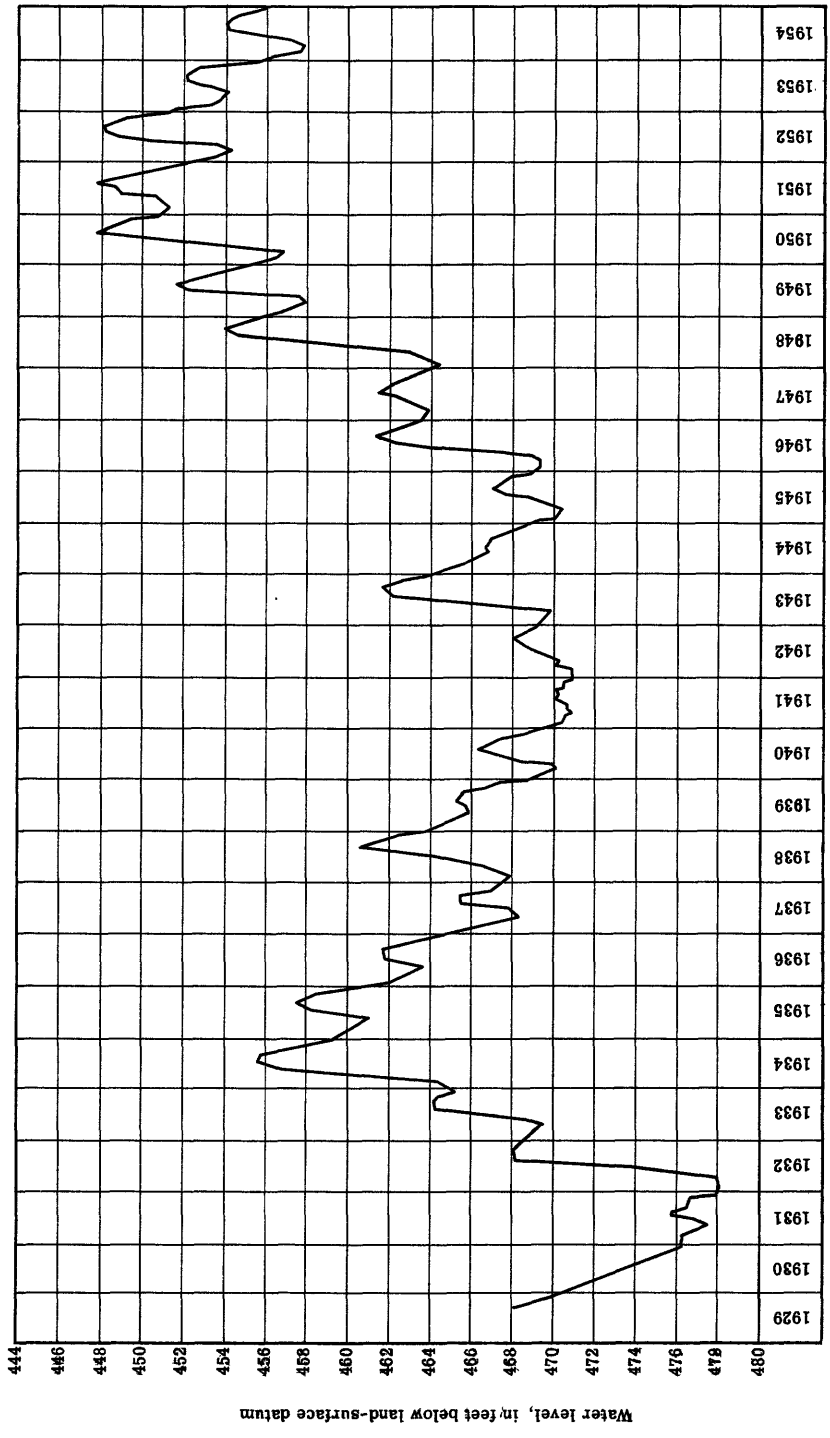


Figure 17.--Fluctuations of water level in well 53N 4W-24bb1, Kootenai County, Idaho, 1929-54.

Changes in water levels in observation wells and precipitation in Idaho, 1954--Continued.

Water levels, in feet			Precipitation, in inches, at nearest U. S. Weather Bureau Station			
County and well no.	Net change	Departure from average	Station	Total precipitation	Departure from normal	Net departure from 1953 total
Latah						
39N 5W- 7dd1	-3.89	-19.89	Moscow	21.58	-.12	-3.28
10ac1	-.98	-1.87				
Oneida						
14S 35E-10ab1	+.7	+.68	Malad	10.53	-4.48	-.05
13db1	-4.19	-6.75				
27aa1	-3.42	-7.05				
35bd1	-1.6	-8.72				
36bc1	-1.76	-2.91				
14S 36E- 3ca1	-4.62	-1.89				
29ba1	-8.0	-8.44				
32aa1	-8.5	-10.06				
32da1	-5.8	-5.97				
15S 35E- 1da1	-2.5	-6.43				
1db1	+4.7	+3.03				
12ab2	+9.1	+7.40				
12bb1	-2.5	-7.76	Malad Airport	9.06		+.25
14ad1	-3.4	-2.65				
15S 36E- 5aa4	-10.9	-11.13				
6ac2	-10.5	-9.23				
6ba1	+.9	-2.33				
8aa1	-.3	+5.87				
29ca2	-3.9	-3.24				
30ab1	-4.1	-6.31				
30ab2	-1.7	-1.67				
Payette						
7N 5W- 3da1	0	+.66	Payette	7.45	-3.42	-5.85

Water levels, in feet, in observation wells in Idaho, 1954

County and well no.	Length of record (years)	Highest		Lowest		Extreme observed range	Year-end water level 1954			
		Water level	Date	Water level	Date		Water level	Date	Above or below 1953	Above lowest level %
Ada:										
4N 1W-36da1	a32	0.28	9- 5-52	23.7	2- 9-15	23.4	0.58	9-17-54	+1.78	99
3N 1W- 1cc1	b24	5.74	8-31-50	18.7	4-14-15	13.0	6.41	9-17-54	+1.65	95
10cc1	b36	1.30	9-22-49	11.0	Dec. 1913	9.7	1.87	9-17-54	+1.11	94
3N 1E- 5aa1	22	5.0	8-30-49	21.3	3-23-35	16.3	13.2	12-28-54	-.2	50
11bb1	31	3.63	9-17-54	19.9	3-31-24	16.3	3.63	9-17-54	+2.65	100
Boise:										
7N 2E- 34ca1	12	31.6	5-12-43	42.4	7-26-50 8- 9-50	10.8	39.6	12-29-54	-2.5	26
Bonneville:										
3N 41E- 6cb1	b15	33.5	7-30-49	63.4	3-27-43	29.9	49.9	12-26-54	-.5	45
Canyon:										
3N 2W-23dc1	b29	16.5	9-17-54	28.8	11-18-29	12.3	16.5	9-17-54	+3.0	100
25aa1	b26	7.0	9-17-54	21.0	4-21-24	14.0	7.0	9-17-54	+4.1	100
Cassia:										
13S 26E-24aa1	14	2.07	5-19-49	8.76	11-18-54	6.69	8.76	11-18-54	-2.58	0
16S 27E-26ba1	a18	10.41	8-28-51	Dry at 36.4	4-22-50 3-21-53 5-19-53 5-15-54	26.0	29.96	11-18-54	-9.4	25

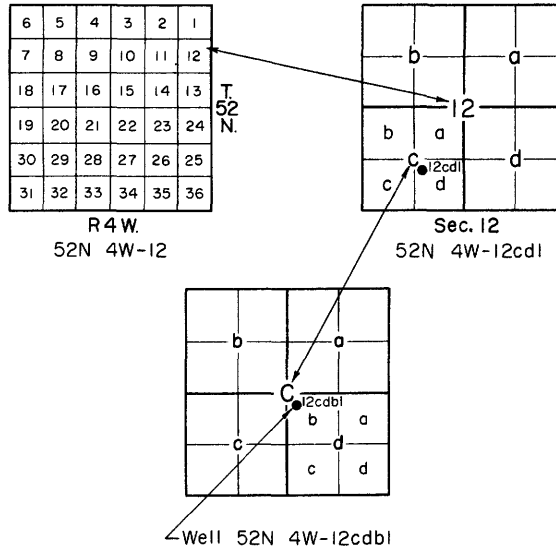
Water levels, in feet, in observation wells in Idaho, 1954--Cont.

County and well no.	Length of record (years)	Highest		Lowest		Extreme observed range	Year-end water level 1954			
		Water level	Date	Water level	Date		Water level	Date	Above or below 1953	Above lowest level %
Kootenai:										
53N 4W-24bb1	26	447.6	8-21-50 7-16-51 7-23-51	478.1	1-15-32	30.5	455.9	12-27-54	-0.5	73
53N 2W- 3bc1	12	202.0	5-26-49	228.0	11-14-44	26.0	212.0	12-18-54	+8.0	62
9aa1	12	228.0	6- 8-48	252.0	1- 2-44 10-30-44	24.0	233.5	12-31-54	+8.8	77
51N 5W-33bb1	27	134.1	6-29-50	166.6	2-11-32	32.5	143.0	6-25-54	+3.2	73
50N 5W- 1aa1	26	176.1	9- 1-50	212.3	12- 8-31	36.2	189.4	12-18-54	-1.8	63
Latah:										
39N 5W- 7dd1	a12	50.10	4-19-38	80.67	11-10-54	30.57	80.56	12- 8-54	-3.89	4
10ac1	a15	5.97	3-21-49	17.61	2- 1-37	11.64	15.89	12- 8-54	-.98	15
Oneida:										
14S 35E-10ab1	a13	115.4	5-14-48	124.6	10-13-47	9.2	117.6	4- 7-54	+.7	76
13db1	12	66.07	4-26-53	77.36	10-29-54	11.29	77.36	10-29-54	-4.19	0
27aa1	12	52.65	4- 9-47	63.61	10-29-54	10.96	63.61	10-29-54	-3.42	0
35bd1	12	+29.0	2-25-46	+10.5	9- 7-50	18.5	+13.0	10-29-54	-1.6	14
36bc1	12	15.69	4- 1-47	22.49	9-27-49	6.80	21.07	10-29-54	-1.76	36
14S 36E- 3ca1	a14	59.15	10-16-32	74.22	9-14-51	15.07	71.88	10-29-54	-4.62	16
29ba1	a13	22.42	5- 5-52	Dry at 36.0	10-29-54	14.0	Dry at 36.0	10-29-54	-8.0	0
32aa1	12	+7.6	5- 2-44 2-25-46	6.0	10-28-54	13.6	6.0	10-28-54	-8.5	0
32da1	a14	+4.7	5- 6-52	4.6	10-28-54	9.3	4.6	10-28-54	-5.8	0
15S 35E- 1da1	a11	+33.1	5- 3-44	+16.9	9- 7-50	16.2	+20.2	10-28-54	-2.5	20
1db1	12	+25.9	5- 3-44	+8.6	9- 7-50	17.3	+23.0	4- 7-54	+4.7	83
12ab2	a14	+26.6	10-28-54	+13.0	5- 5-48	13.6	+26.6	10-28-54	+9.1	100
12bb1	12	+14.5	4- 1-47	+.1	9- 7-50	14.4	+.5	10-28-54	-2.5	3
14ad1	12	+7.1	5- 6-52	+1.9	5- 3-44	5.2	+3.1	10-28-54	-3.4	23
15S 36E- 5aa4	b13	+17.0	2-28-51	+2.0	10-29-54	15.0	+2.0	10-29-54	-10.9	0
6ac2	12	+17.0	2-28-51	+3.1	10-28-54	13.9	+3.1	10-28-54	-10.5	0
6ba1	12	+23.1	5- 4-44*	+8.0	9- 7-50	15.1	+13.9	10-28-54	+.9	39
8aa1	12	+24.0	3-20-52	+11.8	6-29-43	12.2	+22.7	4- 7-54	-.3	89
29ca2	12	+14.7	5- 6-52	+3.2	9- 7-50	11.5	+7.8	10-29-54	-3.9	40
30ab1	12	+14.9	5- 3-44	+6.6	10-29-54	8.3	+6.6	10-29-54	-4.1	0
30ab2	12	+13.2	5- 6-52	+9.0	9- 7-50	4.2	+9.4	10-28-54	-1.7	10
Payette:										
7N 5W-3da1	11	31.0	9-12-49 10- 7-49	43.3	4-27-49 5- 3-49	12.3	37.6	12-27-54	0	46

a Discontinuous record.
b Intermittent record.
* Same measurement on 4-26-53.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first segment 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 the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. The letters are assigned in a counterclockwise direction, beginning in the northeast quarter. Well 52N 4W-12cdb1 is in the $NW\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$ sec. 12, T. 52 N., R. 4 W. The numeral following the third segment of the well number indicates the order in which the well was recorded.



Well Descriptions and Water-Level Measurements

(Water-levels are in feet below land-surface datum unless otherwise indicated.)

Ada County

4N 1W-36da1. Harold Greason. Drilled and dug domestic water-table well, diameter 3 inches, reported depth 184 feet, open bottom. Land-surface datum is 2,584.5 feet above msl datum of 1935 (preliminary). Water level influenced by local irrigation. Highest water level 0.28 below lsd, Sept. 5, 1952; lowest 23.7 below lsd, Feb. 9, 1915. Records available: 1915-17, 1925, 1927-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 26	4.43	Apr. 24	5.19	June 18	3.22	Aug. 20	1.19
Mar. 26	5.04	May 21	3.78	July 23	2.05	Sept. 17	.58

3N 1W-1cc1. Jerald Dunten. Drilled stock and domestic water-table well, diameter 3 inches, reported depth 180 feet. Land-surface datum is 2,583.6 feet above msl datum of 1935 (preliminary). Water level influenced by local irrigation. Highest water level 5.74 below lsd, Aug. 31, 1950; lowest 18.7 below lsd, Apr. 14, 1915. Records available: 1913-16, 1925, 1934-35, 1938-54. Measurement discontinued.

Jan. 22	9.71	Apr. 23	10.64	June 18	8.42	Aug. 20	6.30
Feb. 26	10.84	May 21	8.50	July 23	6.54	Sept. 17	6.41
Mar. 26	11.13						

3N 1W-10cc1. Arthur Keck. Dug domestic water-table well in shallow sediments of Quaternary age, reported depth 18 feet. Land-surface datum is 2,542.8 feet above msl datum of 1935 (preliminary). Highest water level 1.30 below lsd, Sept. 22, 1949; lowest 11.0 below lsd, Dec. 1913. Records available: 1912-17, 1924-25; 1927-54. Measurement discontinued.

Jan. 22	4.02	Apr. 23	4.43	June 18	2.97	Aug. 20	2.02
Feb. 26	5.00	May 21	2.92	July 23	2.28	Sept. 17	1.87
Mar. 26	5.23						

3N 1E-4ba1. Ellen F. Beebe. Dug domestic water-table well in sand of Quaternary age, diameter 36 inches, reported depth 50 feet, open bottom. Land-surface datum is 2,626.8 feet above msl datum of 1935 (preliminary). Highest water level 8.1 below lsd, Aug. 26, 1953; lowest 27.6 below lsd, Nov. 26, 1926. Records available: 1926-29, 1933-53. Measurement discontinued.

3N 1E-5aa1. J. E. Wingate. Dug domestic water-table well in sand and gravel of Quaternary age, diameter 36 inches, reported depth 60 feet. Land-surface datum is 2,620.8 feet above msl datum of 1935 (preliminary). Water level influenced by local irrigation. Highest water level 5.0 below lsd, Aug. 30, 1949; lowest 21.3 below lsd, Mar. 23, 1935. Records available: 1933-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	13.2	Mar. 30	16.7	June 23	12.0	Sept. 22	7.9
12	13.8	Apr. 14	17.2	29	11.4	Oct. 12	8.3
19	14.2	20	17.2	July 6	9.6	19	9.0
26	14.4	26	16.2	13	8.1	26	9.8
Feb. 3	14.8	May 6	14.2	27	9.0	Nov. 3	10.2
9	15.0	11	14.2	Aug. 3	10.2	10	10.8
16	15.2	18	14.2	10	8.7	16	11.0
23	15.4	27	11.9	15	6.2	Dec. 7	12.2
Mar. 3	15.9	June 1	12.7	24	8.2	14	12.6
9	16.0	8	11.2	Sept. 1	7.2	21	12.9
16	15.9	15	12.0	15	6.7	28	13.2
23	16.5						

3N 1E-11bb1. F. M. Wheaton. Dug stock and domestic water-table well in shallow gravel, reported depth 80 feet. Land-surface datum is 2,664.6 feet above msl datum of 1935 (preliminary). Water level influenced by local irrigation. Highest water level 3.63 below lsd, Sept. 17, 1954; lowest 19.9 below lsd, Mar. 31, 1924. Records available: 1924-54.

Jan. 22	7.57	Apr. 23	10.45	June 18	5.85	Aug. 20	3.93
Feb. 26	10.94	May 21	6.54	July 23	4.51	Sept. 17	3.63
Mar. 26	11.56						

Blaine County

8S 26E-15bc1. James Hruza. Drilled stock water-table well in Snake River basalt, diameter 6 inches, reported depth 189 feet, cased to 16. Land-surface datum is 4,270.3 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Water level reflects regional storage. Highest water level 168.5 below lsd, Mar. 19, 1953, Mar. 24, 1954; lowest 177.3 below lsd, Feb. 26, 1949. Records available: 1948-54. Mar. 24, 168.5; July 13, 168.8.

8S 26E-27ab1. U. S. Bureau of Reclamation. Drilled observation water-table well in sand, gravel, and basalt, diameter 8 to 6 inches, reported depth 225 feet, cased to 179. Land-surface datum is 4,288.5 feet above U. S. Bureau of Reclamation datum. Highest water level 125.8 below lsd, Nov. 5, 1953; lowest 128.9 below lsd, May 4, 1952. Records available: 1951-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	126.6	.....	127.4	127.8	128.1	128.2	128.0	128.0	127.6	127.1	127.2	127.6
2	126.7	.....	127.6	127.8	128.2	128.2	128.0	127.8	127.5	127.0	127.2	127.6
3	.....	127.3	127.6	127.8	128.0	127.9	127.9	127.8	127.4	127.2	127.3	127.4
4	.....	127.3	127.6	127.8	128.0	127.8	127.9	127.8	127.4	127.1	127.4	127.4
5	.....	127.3	127.6	127.8	128.0	127.9	127.9	127.9	127.4	127.1	127.4	127.7
6	126.8	127.4	127.5	127.9	128.0	128.1	127.9	128.0	127.5	127.1	127.2	127.5
7	126.6	127.5	127.6	128.0	128.0	128.1	127.9	127.9	127.4	127.0	127.2	127.5
8	.....	127.4	127.5	127.8	127.8	127.8	127.8	127.8	127.6	127.1	127.3	127.7
9	.....	127.1	127.3	127.9	127.9	127.9	127.9	127.8	127.5	127.1	127.3	127.5
10	.....	127.1	127.3	128.0	128.1	128.0	127.9	127.8	127.3	127.0	127.4	127.4
11	126.8	127.2	127.4	128.0	128.1	128.1	128.0	127.8	127.3	126.9	127.3	127.8
12	126.7	127.1	127.8	127.9	128.1	127.9	128.0	127.7	127.3	127.1	127.3	127.6
13	126.8	127.1	127.8	127.8	128.1	128.0	128.0	127.7	127.4	127.2	127.5	127.5
14	126.7	127.1	127.7	127.8	128.2	128.1	127.9	127.7	127.2	127.4	127.3	127.7
15	.....	127.5	127.6	128.1	128.1	128.0	128.0	127.7	127.3	127.2	127.2	127.6
16	.....	127.4	127.4	128.1	128.2	128.0	128.0	127.7	127.3	127.1	127.3	127.9
17	126.6	127.3	127.2	127.9	128.2	128.1	128.0	127.7	127.4	127.1	127.6	128.0
18	.....	127.3	127.8	127.8	128.2	128.1	128.0	127.7	127.5	127.2	127.6	128.0
19	.....	127.7	127.7	127.8	128.1	128.0	128.0	127.6	127.3	127.0	127.5	127.9
20	.....	127.5	127.6	128.0	128.1	128.0	127.9	127.7	127.5	127.3	127.5	127.8
21	.....	127.4	127.6	128.0	128.1	128.1	128.2	127.7	127.3	127.2	127.5	127.8
22	.....	127.7	127.7	127.9	128.2	128.0	128.2	127.8	127.1	127.1	127.5	127.7
23	126.7	127.6	127.5	127.8	128.2	128.0	128.0	127.6	127.3	127.1	127.5	127.6
24	.....	127.3	127.4	127.8	128.1	127.9	128.0	127.5	127.4	127.1	127.5	127.6
25	.....	127.4	127.8	127.8	127.9	127.9	128.1	127.5	127.3	127.2	127.4	127.6

8S 26E-27ab1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	.....	127.2	127.9	127.9	128.0	127.9	128.1	127.6	127.2	127.4	127.6	127.6
27	.....	127.6	127.8	127.8	128.2	128.0	128.1	127.6	127.0	127.3	127.3	127.6
28	.....	127.5	127.6	127.8	128.2	128.1	128.0	127.7	127.0	127.2	127.5	127.6
29	.....		127.6	128.0	127.8	128.0	127.9	127.7	127.1	127.3	127.4	127.6
30	.....		127.7	127.8	128.1	127.8	128.0	127.5	127.1	127.2	127.5	127.7
31	.....		127.9		128.2		128.0	127.6		127.2		127.5

Boise County

7N 2E-34ca1. Jack N. Kohtala. Dug domestic water-table well in alluvium of Quaternary age, diameter 60 to 36 inches, reported depth 42 feet, cribbed with rock and concrete to 42. Land-surface datum is 2,649.6 feet above msl datum of 1929 (unadjusted). Highest water level 31.6 below lsd, May 12, 1943; lowest 42.4 below lsd, July 26, Aug. 9, 1950. Records available: 1943-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	37.0	Apr. 7	38.0	July 7	40.1	Oct. 6	40.1
13	36.9	14	38.1	14	39.5	13	39.6
20	37.0	21	38.2	21	40.8	20	40.2
27	36.9	28	38.7	28	39.9	27	39.7
Feb. 3	37.0	May 5	40.0	Aug. 4	40.9	Nov. 3	40.5
10	37.2	12	39.4	11	41.1	10	40.1
17	36.8	19	39.7	18	40.6	17	39.6
24	37.2	26	40.0	25	39.8	24	39.7
Mar. 3	37.3	June 2	39.8	Sept. 1	40.2	Dec. 1	39.8
10	37.4	9	38.7	8	40.4	8	39.7
17	37.7	16	38.8	15	40.5	15	39.7
24	37.7	23	40.1	22	40.0	22	39.9
31	38.0	30	39.8	29	39.8	29	39.6

Bonneville County

3N 41E-6cb1. Poplar Store. Dug domestic water-table well in gravel of Quaternary age, reported depth 86 feet. Land-surface datum is 5,024.6 feet above msl datum of 1929 (preliminary). Water level influenced by local irrigation. Highest water level 33.5 below lsd, July 30, 1949; lowest 63.4 below lsd, Mar. 27, 1943. Records available: 1923, 1925, 1942-54.

Jan. 3	50.5	Mar. 28	58.2	July 4	42.1	Oct. 3	39.1
10	51.3	Apr. 4	58.5	11	41.2	10	40.2
17	52.2	11	58.6	18	39.7	26	42.1
24	53.1	18	58.2	25	39.1	31	42.7
30	53.7	25	57.6	Aug. 1	38.0	Nov. 6	43.9
Feb. 6	54.4	May 1	57.1	8	37.8	14	44.2
14	55.3	16	54.7	22	37.5	21	44.9
21	55.9	23	51.5	29	37.3	28	45.5
28	56.5	29	50.5	Sept. 4	37.3	Dec. 13	47.8
Mar. 7	57.1	June 6	48.6	11	37.5	19	48.7
14	57.5	12	47.2	19	37.9	26	49.9
21	57.8	27	42.7	26	38.3		

Butte County

4N 26E-26cd1. Inland Brick Co. Drilled industrial and domestic water-table well in sand of Quaternary age, diameter 8 inches, depth 143 feet, cased to 143. Land-surface datum is 5,332.2 feet above msl datum of 1929 (preliminary). Highest water level 37.17 below lsd, Aug. 5, 1952; lowest 41.35 below lsd, Mar. 8, 1951. Records available: 1949-54.

Jan. 12	39.2	Apr. 9	39.2	June 24	39.6	Sept. 28	38.9
Feb. 8	39.6	May 4	40.2	July 26	38.8	Nov. 24	39.3
Mar. 9	39.6	26	39.6	Aug. 24	38.7	Dec. 15	39.4

Canyon County

3N 2W-23dc1. Mrs. A. J. Richards and others. Drilled stock and domestic water-table well, diameter 6 inches, reported depth 132 feet. Land-surface datum is 2,511.8 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 16.5 below lsd, Sept. 17, 1954; lowest 28.8 below lsd, Nov. 18, 1929. Records available: 1921, 1925, 1928-54. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	20.4	Apr. 23	21.8	June 18	18.5	Aug. 20	17.4
Feb. 26	21.3	May 21	20.6	July 23	22.0	Sept. 17	16.5
Mar. 26	21.9						

3N 2W-25aa1. John Hubbard. Drilled stock and domestic water-table well in alluvium of Quaternary age, diameter 6 inches, reported depth 34 feet, cased to 34, open bottom. Land-surface datum is 2,525.6 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 7.0 below lsd, Sept. 17, 1954; lowest 21.0 below lsd, Apr. 21, 1924. Records available: 1921, 1924-25, 1928, 1933-54.

Jan. 22	12.0	Apr. 23	13.5	June 18	10.6	Aug. 20	8.0
Feb. 26	12.7	May 21	11.9	July 23	9.0	Sept. 17	7.0
Mar. 26	13.5						

2N 2W-13ba1. Jennings. Drilled unused water-table well in basalt and sand, diameter 6 inches, depth 93 feet, cased to 21. Land-surface datum is 2,583.7 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 48.37 below lsd, Sept. 10, 1948; lowest 57.04 below lsd, Mar. 1, 1949. Records available: 1948-54.

Jan. 22	52.9	Apr. 23	51.6	June 18	49.7	Aug. 20	49.0
Feb. 26	54.0	May 21	50.2	July 23	48.7	Sept. 17	49.0
Mar. 26	53.4						

Cassia County

9S 25E-23ca1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 8 to 6 inches, depth 174 feet, cased to 172, slot perforations below water level. Land-surface datum is 4,266.9 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 116.5 below lsd, Sept. 23, 25, 28, Oct. 1-3, 1951; lowest 124.7 below lsd, Apr. 16, 1954. Records available: 1951-54.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	120.4	122.2	123.1	124.2	124.4	123.3	122.4	120.6	119.3	118.7	119.8	121.3
2	120.5	122.1	123.2	124.2	124.5	123.3	122.4	120.5	119.2	118.7	119.8	121.3
3	120.5	122.2	123.2	124.3	124.4	123.1	122.3	120.4	119.1	118.8	119.9	121.2
4	120.8	122.2	123.2	124.3	124.4	123.0	122.2	120.4	119.1	118.8	120.0	121.3
5	120.8	122.2	123.3	124.3	124.3	123.0	122.2	120.4	119.1	118.8	120.1	121.4
6	120.7	122.3	123.3	124.4	124.4	123.1	122.2	120.4	119.1	118.8	120.0	121.4
7	120.7	122.4	123.4	124.5	124.3	123.1	122.1	120.3	119.0	118.8	120.0	121.4
8	120.8	122.4	123.4	124.4	124.2	122.9	122.0	120.3	119.0	118.9	120.1	121.6
9	120.9	122.2	123.2	124.4	124.2	122.9	122.0	120.2	119.0	118.9	120.2	121.5
10	121.0	122.2	123.2	124.6	124.3	123.0	121.9	120.1	118.8	118.8	120.3	121.5
11	120.9	122.3	123.3	124.6	124.2	123.0	121.9	120.1	118.8	118.8	120.2	121.8
12	120.9	122.2	123.5	124.6	124.2	122.8	121.8	120.0	118.8	118.9	120.3	121.8
13	121.0	122.2	123.6	124.5	124.1	122.8	121.8	120.0	118.9	119.0	120.5	121.7
14	120.9	122.3	123.7	124.5	124.1	122.9	121.7	119.9	118.7	119.2	120.3	121.8
15	121.0	122.5	123.6	124.6	124.1	122.8	121.7	119.9	118.8	119.2	120.3	121.7
16	121.1	122.6	123.5	124.7	124.1	122.8	121.6	119.9	118.7	119.1	120.5	122.0
17	121.0	122.5	123.5	124.6	124.1	122.8	121.5	119.8	118.8	119.2	120.7	122.2
18	121.1	122.6	123.8	124.5	124.0	122.8	121.5	119.8	118.8	119.2	120.7	122.2
19	121.1	122.8	123.7	124.5	124.0	122.8	121.4	119.6	118.8	119.1	120.7	122.2
20	121.3	122.8	123.7	124.6	123.9	122.8	121.3	119.6	118.9	119.3	120.8	122.2
21	121.5	122.7	123.8	124.6	123.8	122.8	121.3	119.6	118.8	119.3	120.9	122.2
22	121.4	123.0	123.9	124.5	123.8	122.7	121.3	119.6	118.7	119.3	120.9	122.2
23	121.3	123.0	123.7	124.4	123.8	122.7	121.2	119.5	118.8	119.3	120.9	122.2
24	121.4	122.9	123.8	124.4	123.7	122.6	121.1	119.4	118.9	119.4	121.0	122.1
25	121.5	122.9	124.0	124.4	123.5	122.6	121.0	119.4	118.8	119.5	120.9	122.2
26	121.6	122.8	124.1	124.4	123.5	122.5	121.0	119.4	118.8	119.6	121.0	122.3
27	121.7	123.1	124.1	124.4	123.6	122.5	120.9	119.4	118.7	119.6	121.0	122.6
28	121.8	123.0	124.0	124.3	123.5	122.6	120.8	119.4	118.6	119.7	121.1	122.6
29	121.8		124.0	124.4	123.2	122.5	120.7	119.4	118.7	119.7	121.0	122.5
30	122.0		124.1	124.2	123.3	122.3	120.8	119.3	118.7	119.7	121.2	122.4
31	122.1		124.2		123.4		120.7	119.4		119.7		122.4

10S 23E-20dc1. City of Burley well 1. Dug unused water-table well in alluvial sand and gravel of Quaternary age, diameter 6 feet, reported depth 42 feet, concrete casing to 42. Highest water level 10.9 below lsd, Sept. 2, Oct. 1, 1952; lowest 19.2 below lsd, June 4, 1951. Records available: 1947-53. Measurement discontinued.

10S 23E-20dc3. City of Burley well 5. Drilled public-supply artesian well in gravel of Pleistocene age and lava below Burley lake beds, diameter 24 to 15 inches, depth 1,115 feet, cased to 469. Highest water level 184 below lsd, Dec. 1, 1948; lowest 209 below lsd, Nov. 2, 1948. Records available: 1947-53. Measurement discontinued.

10S 25E-10ba1. Robert Simplot. Drilled stock water-table well in Snake River basalt, diameter 6 inches, reported depth 175 feet. Land-surface datum is 4,303.1 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 153.4 below lsd, Sept. 17, 1948; lowest 165.2 below lsd. May 19, 1949. Records available: 1928, 1948-54. Mar. 24, 161.0; May 14, 161.6; July 14, 159.7; Sept. 17, 156.0; Nov. 18, 159.4.

11S 26E-26cc1. Robert Simplot. Dug unused water-table well in sand and gravel of Quaternary age, diameter 36 inches, depth 33 feet, cribbed with rock to 33. Land-surface datum is 4,401.2 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 29.03 below lsd, May 13, 1954; lowest 32.22 below lsd, Sept. 25, 1948. Records available: 1928, 1948-54. Jan. 27, 29.13; Mar. 24, 29.13; May 13, 29.03; July 14, 29.25; Sept. 16, 29.30; Nov. 18, 29.37.

13S 22E-9dc1. Crane. Dug unused water-table well in sand and gravel of Quaternary age, diameter 4 feet, depth 112 feet, cribbed with concrete and rock to 112. Highest water level 63.10 below lsd, Aug. 28, 1951; lowest 85.50 below lsd, Nov. 18, 1954. Records available: 1948-54. Jan. 27, 75.07; Mar. 24, 79.14; May 14, 81.60; July 14, 82.02; Sept. 22, 79.24; Nov. 18, 85.50.

13S 26E-24aa1. John C. Hitt. Dug irrigation water-table well in alluvial gravel of Quaternary age, diameter 36 to 8 inches, depth 24 feet, corrugated iron casing to 24, perforations below water level. Land-surface datum is 4,528.1 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 2.07 below lsd, May 19, 1949; lowest 8.76 below lsd, Nov. 18, 1954. Records available: 1941-54. Jan. 27, 6.54; Mar. 24, 4.75; May 13, 4.98; July 14, 7.34; Sept. 17, 8.54; Nov. 18, 8.76.

13S 27E-30bd1. A. D. Pierce. Dug irrigation water-table well in alluvial gravel of Quaternary age, diameter 6 feet, depth 27 feet, concrete casing to 27, perforations below water level. Land-surface datum is 4,541.6 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 3.54 below lsd, June 8, 1949; lowest 11.29 below lsd, Nov. 18, 1954. Records available: 1947-54. Jan. 27, 7.46; Mar. 24, 7.50; May 13, 15.43, pumping; July 14, 17.58, pumping; Sept. 17, 19.60, pumping; Nov. 18, 11.29.

14S 27E-33ca1. Harold Oman. Drilled irrigation water-table well, diameter 12 inches, reported depth 265 feet. Land-surface datum is 4,690.6 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 15.50 below lsd, May 19, 1953; lowest 21.93 below lsd, Nov. 18, 1954. Records available: 1948-54. Jan. 27, 19.73; Mar. 24, 19.76; May 15, 42.17, pumping; July 14, 42.24, pumping; Sept. 17, 21.59; Nov. 18, 21.93.

15S 25E-6ab1. Jenny Wake. Dug domestic water-table well in alluvial gravel of Quaternary age, diameter 6 inches, depth 34 feet, cased to 34 with backfill around casing. Land-surface datum is 5,503.7 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 13.57 below lsd, June 27, 1951; lowest 32.29 below lsd, May 15, 1954. Records available: 1948-54. Jan. 27, 28.64; Mar. 24, 29.77; May 15, 32.29; July 14, 28.51; Sept. 17, 30.20; Nov. 18, 31.61.

16S 27E-26ba1. Cook. Dug stock water-table well in alluvium of Quaternary age, diameter 60 to 24 inches, depth 36.4 feet, cribbed with wood to 36. Land-surface datum is 5,294.0 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 10.41 below lsd, Aug. 28, 1951; lowest dry at 36.4, Apr. 22, 1950, Mar. 21, May 19, 1953, May 15, 1954. Records available: 1936, 1938-54. Jan. 27, 27.41; Mar. 24, 33.83; May 15, dry; July 14, 29.06; Sept. 17, 24.29; Nov. 18, 29.96.

Elmore County

1N 4E-23aa1. James O. Beck. Drilled irrigation water-table well in alluvial sand of Quaternary age, diameter 18 inches, depth 64 feet, cased to 64, perforations below water table. Highest water level 23.10 below lsd, Feb. 28, 1947; lowest 29.08 below lsd, Jan. 24, 1950. Records available: 1947-51, 1954. Jan. 27, 27.60; Mar. 26, 27.43.

Gem County

7N 2W-35ab1. R. J. Howard. Dug domestic water-table well in alluvial sand and gravel, diameter 36 inches, depth 99 feet, concrete casing. Water level influenced by local irrigation. Highest water level 67.6 below lsd, Nov. 3, 1941; lowest 82.2 below lsd, May 4, 1954. Records available: 1941-42, 1948-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	74.9	Mar. 30	80.6	June 22	81.3	Sept. 16	76.8
12	75.5	Apr. 6	80.8	30	81.0	28	76.5
19	76.0	13	81.1	July 7	80.8	Oct. 13	75.9
26	76.6	20	81.3	14	80.5	19	75.6
Feb. 2	77.2	27	81.5	22	79.8	27	75.4
9	77.8	May 4	82.2	28	80.1	Nov. 10	75.1
16	78.5	11	81.9	Aug. 11	79.5	16	75.6
23	78.8	18	81.2	18	78.7	24	76.0
Mar. 3	79.4	26	81.5	25	77.9	30	76.5
9	80.0	June 1	80.8	Sept. 1	77.5	Dec. 7	77.0
16	80.5	8	81.5	8	77.1	28	77.8
24	80.1	15	81.4				

Jefferson County

8N 36E-9db1. E. Motel. Drilled stock and domestic water-table well in Snake River basalt, diameter 6 inches, reported depth 67 feet. Land-surface datum is about 4,840 feet above msl. Highest water level 46.6 below lsd, Nov. 16, 1929; lowest 51.86 below lsd, July 26, 1954. Records available: 1929, 1949-54.

Jan. 14	49.05	Apr. 6	51.06	June 24	50.20	Sept. 29	50.52
Feb. 9	49.35	May 6	49.45	July 26	51.86	Nov. 19	50.32
Mar. 12	49.43	June 2	50.09	Aug. 25	50.70	Dec. 16	50.33

7N 33E-35bb1. Stewart Bros. Dug stock and domestic water-table well in sand of Tertiary age, diameter 30 inches, depth 47 feet, concrete casing to 40. Land-surface datum is about 4,784.2 feet above msl datum of 1948 (preliminary). Highest water level 14.86 below lsd, Aug. 25, 1954; lowest 36.14 below lsd, Feb. 12, 1950. Records available: 1949-54.

Jan. 14	22.44	May 6	24.97	July 26	15.53	Nov. 19	17.45
Mar. 12	25.22	June 2	21.19	Aug. 25	14.86	Dec. 17	20.50
Apr. 6	25.97	24	18.78	Sept. 29	17.14		

7N 36E-22ab1. M. C. Turman. Drilled domestic water-table well in Snake River basalt, diameter 6 inches, depth 42 feet, cased to 42. Highest water level 11.51 below lsd, Feb. 28, 1950; lowest 16.48 below lsd, July 18, 1951. Records available: 1921, 1949-54.

Jan. 14	12.71	Apr. 6	12.85	Aug. 25	14.06	Nov. 19	13.40
Feb. 9	12.52	June 2	13.68	Sept. 29	13.60	Dec. 16	13.51
Mar. 12	13.57	July 26	14.15				

7N 37E-14cb1. Hillman Bros. Drilled stock and domestic water-table well in Snake River basalt, diameter 6 inches, depth 93 feet. Land-surface datum is about 4,867 feet above msl. Highest water level 70.3 below lsd, June 30, 1922; lowest 75.91 below lsd, July 18, 1951. Records available: 1922, 1929, 1949-54. June 2, 74.50; Aug. 25, 74.68; Nov. 19, 74.99.

6N 33E-2ba1. Stewart Bros. Drilled stock water-table well in Snake River basalt and sand interflow beds, diameter 8 inches, reported depth 245 feet, cased to 100. Land-surface datum is about 4,783 feet above msl datum of 1929 (preliminary). Highest water level 195.73 below lsd, Sept. 29, 1954; lowest 202.93 below lsd, Dec. 16, 1953. Records available: 1949-54.

Jan. 14	196.02	Apr. 6	200.44	June 24	196.50	Sept. 29	195.73
Feb. 9	196.57	May 6	196.81	July 26	196.43	Nov. 19	196.34
Mar. 12	198.29	June 2	196.75	Aug. 25	196.92	Dec. 17	196.44

5N 34E-9bd1. U. S. Geol. Survey. Drilled observation water-table well in Snake River basalt, diameter 6 to 4 inches, depth 553 feet, cased to 322, perforations below water level. Land-surface datum is 4,791.3 feet above msl datum of 1929 (preliminary). Water levels affected by barometric pressure. Highest water level 253.6 below lsd, Jan. 17, 1954; lowest 258.1 below lsd, July 27, 1952. Records available: 1950-54. Recording gage reinstalled Apr. 8, 1953.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	254.2	254.1	254.4	255.2	255.9	256.7	257.1	257.0	256.4	255.7	255.0
2	.....	254.1	254.2	254.5	255.3	256.0	256.7	257.0	257.0	256.3	255.6	254.9
3	.....	254.1	254.2	254.5	255.2	255.9	256.7	257.0	256.9	256.4	255.7	254.8
4	.....	254.1	254.2	254.5	255.2	255.8	256.7	257.0	256.9	256.4	255.7	254.8
5	.....	254.1	254.2	254.5	255.2	255.9	256.8	257.1	256.9	256.4	255.7	254.9
6	.....	254.2	254.1	254.6	255.3	256.0	256.8	257.1	257.0	256.3	255.6	254.8
7	.....	254.2	254.2	254.7	255.2	256.0	256.8	257.1	256.9	256.2	255.6	254.7
8	.....	254.2	254.1	254.6	255.2	256.0	256.7	257.1	256.9	256.2	255.5	254.9
9	.....	253.9	254.0	254.6	255.2	256.0	256.8	257.1	256.9	256.2	255.5	254.7
10	.....	253.9	253.8	254.8	255.3	256.1	256.8	257.1	256.8	256.1	255.5	254.7
11	.....	254.0	254.0	254.9	255.3	256.2	256.9	257.1	256.8	256.0	255.4	254.8
12	.....	253.8	254.2	254.8	255.3	256.1	256.8	257.0	256.8	256.1	255.4	254.8
13	.....	253.7	254.3	254.7	255.3	256.1	256.9	257.0	256.9	256.2	255.5	254.6
14	253.7	253.8	254.3	254.7	255.4	256.2	257.0	257.1	256.8	256.4	255.3	254.8
15	253.8	254.0	254.2	255.0	255.4	256.2	257.0	257.1	256.7	256.3	255.1	254.4
16	253.9	254.0	254.1	255.0	255.5	256.2	257.0	257.1	256.7	256.1	255.2	254.8
17	253.7	253.8	254.0	254.8	255.5	256.3	257.0	257.1	256.6	256.1	255.4	254.9
18	253.7	253.9	254.3	254.8	255.5	256.4	257.0	257.1	256.7	256.1	255.4	254.9
19	253.7	254.2	254.2	254.8	255.5	256.4	257.0	257.0	256.7	255.9	255.3	254.8
20	253.8	254.1	254.2	255.0	255.6	256.4	256.9	257.0	256.8	256.1	255.3	254.7
21	254.0	253.9	254.2	255.0	255.6	256.5	257.1	257.0	256.7	256.0	255.3	254.7
22	253.8	254.2	254.3	254.9	255.7	256.4	257.1	257.1	256.6	255.9	255.2	254.6
23	253.6	254.2	254.0	254.8	255.7	256.4	257.0	257.0	256.6	255.8	255.2	254.5
24	253.7	253.9	254.1	254.9	255.7	256.5	257.0	256.9	256.7	255.8	255.2	254.4
25	253.8	254.0	254.3	254.9	255.6	256.5	257.0	256.9	256.6	255.9	255.0	254.4
26	253.8	253.9	254.4	255.0	255.6	256.5	257.1	257.0	256.6	256.0	255.0	254.5
27	253.9	254.2	254.4	254.9	255.8	256.6	257.0	257.0	256.5	255.9	255.0	254.7
28	253.9	253.9	254.3	254.8	255.8	256.7	257.0	257.1	256.4	255.8	255.0	254.6
29	254.0		254.3	255.0	255.6	256.7	257.0	257.1	256.4	255.8	254.8	254.4
30	254.1		254.4	254.9	255.8	256.6	257.1	257.0	256.4	255.8	255.0	254.4
31	254.1		254.4		255.9		257.1	257.0		255.7		254.1

5N 36E-22aa1. O. W. Robinson. Drilled stock water-table well in Snake River basalt, diameter 6 inches, depth 240 feet. Land-surface datum is about 4,760 feet above msl. Highest water level 204.92 below lsd, Jan. 17, 1951, June 24, 1954; lowest 209.20 below lsd, Apr. 1, 1953. Records available: 1929, 1949-54. Feb. 9, 205.50; Mar. 12, 205.95; May 6, 208.67; June 2, 207.45; June 24, 204.92; Sept. 29, 205.19; Dec. 17, 206.08.

5N 36E-23cb1. George Lake. Dug stock and domestic water-table well in sand of Quaternary age, diameter 36 inches, depth 29 feet, cribbed with stone to 29. Land-surface datum is about 4,761 feet above msl. Highest water level 3.75 below lsd, Oct. 23, 1952; lowest 20.0 below lsd, Nov. 7, 1929. Records available: 1922, 1929, 1949-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	12.09	Apr. 6	15.23	June 24	5.52	Sept. 29	3.77
Feb. 9	13.11	May 6	14.69	July 26	3.96	Nov. 22	6.02
Mar. 12	15.13	June 2	7.54	Aug. 25	4.06	Dec. 17	8.14

4N 37E-28bb1. Barry O'Brien. Drilled stock and domestic water-table well in Snake River basalt and associated sediments, diameter 6 inches, depth 245 feet. Land-surface datum is about 4,787 feet above msl. Highest water level 211.76 below lsd, Oct. 10. 1949; lowest 234.10 below lsd, Apr. 1, 1953. Records available: 1949-53. Measurement discontinued.

Jerome County

9S 20E-1da1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 8 to 6 inches, depth 400 feet, 8-inch casing to 12, perforated 6-inch casing liner from 340 to 400. Land-surface datum is 4,209.3 feet above U. S. Bureau of Reclamation datum. Highest water level 342.0 below lsd, Sept. 30, Oct. 1, 1953; lowest 350.3 below lsd, Apr. 3, 1951. Records available: 1950-54.

9S 20E-1da1--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	345.6	346.5	347.4	347.8	347.0	345.7	344.5	343.7	343.2	344.0	345.0
2	.....	345.6	346.5	347.4	347.8	346.9	345.6	344.4	343.6	343.2	344.0	345.0
3	.....	.....	346.5	347.4	347.7	346.7	345.6	344.4	343.6	343.3	344.2	345.0
4	.....	345.8	346.6	347.4	347.7	346.6	345.5	344.3	343.6	343.3	344.2	345.1
5	.....	345.8	346.6	347.4	347.7	346.7	345.5	344.3	343.6	343.3	344.2	345.1
6	344.7	345.9	346.6	347.5	347.7	346.7	345.4	344.4	343.5	343.2	344.2	345.1
7	344.8	346.0	346.7	347.5	347.6	346.6	345.4	344.3	343.6	343.3	344.2	345.1
8	344.8	346.0	346.7	347.5	347.5	346.5	345.3	344.2	343.6	343.4	344.2	345.2
9	344.9	345.8	346.6	347.6	347.5	346.5	345.3	344.2	343.5	343.4	344.3	345.1
10	344.9	345.9	346.5	347.7	347.5	346.5	345.2	344.2	343.4	343.3	344.4	345.2
11	344.9	345.9	346.6	347.7	347.5	346.4	345.2	344.2	343.4	343.3	344.3	345.4
12	344.9	345.8	346.8	347.7	347.5	346.4	345.2	344.1	343.4	343.4	344.4	345.4
13	344.9	345.8	346.9	347.7	347.4	346.3	345.1	344.0	343.4	343.5	344.5	345.3
14	344.8	345.9	346.9	347.7	347.4	346.3	345.1	344.0	343.3	343.6	344.4	345.4
15	344.9	346.0	346.8	347.9	347.4	346.2	345.1	344.0	343.4	343.6	344.3	345.3
16	345.0	346.0	346.8	347.9	347.4	346.2	345.0	344.0	.....	343.5	344.5	345.6
17	344.9	345.9	346.7	347.8	347.4	346.2	345.0	344.0	343.4	343.6	344.6	345.7
18	344.9	346.1	347.0	347.8	347.4	346.2	345.0	343.9	343.4	343.6	344.6	345.7
19	345.0	346.2	346.9	347.8	347.3	346.1	344.9	343.9	343.4	343.6	344.6	345.7
20	345.1	346.2	346.9	347.9	347.2	346.1	344.9	343.9	343.4	343.7	344.7	345.7
21	345.2	346.2	347.0	347.8	347.3	346.1	344.9	343.9	343.3	343.7	344.8	345.7
22	345.1	346.4	347.0	347.8	347.3	346.0	344.9	343.9	343.3	343.7	344.8	345.7
23	345.1	346.4	346.9	347.8	347.3	345.9	344.8	343.8	343.4	343.7	344.8	345.7
24	345.1	346.3	346.9	347.8	347.2	345.9	344.8	343.8	343.4	343.8	344.8	345.7
25	345.3	346.3	347.1	347.8	347.1	345.8	344.7	343.7	343.4	343.8	344.8	345.7
26	345.4	346.3	347.2	347.8	347.1	345.8	344.8	343.7	343.3	344.0	344.9	345.8
27	345.4	346.5	347.2	347.7	347.2	345.8	344.7	343.7	343.2	344.0	344.9	346.0
28	345.4	346.3	347.2	347.7	347.1	345.8	344.6	343.7	343.2	344.0	344.9	346.0
29	345.5		347.2	347.7	346.8	345.7	344.6	343.8	343.3	344.0	344.8	345.9
30	345.6		347.3	347.6	347.0	345.6	344.6	343.7	343.2	344.1	345.0	345.9
31	345.6		347.3		347.0		344.6	343.7		344.0		345.8

10S 20E-5ba1. Ezra Walker. Drilled unused water-table well in Snake River basalt, diameter 6 inches, depth 325 feet, cased to rock at shallow depth. Land-surface datum is about 4,098 feet above msl. Highest water level 241.3 below lsd, Sept. 28, Oct. 1, 1953; lowest 269.6 below lsd, Aug. 1, 1929. Records available: 1929, 1949-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	245.3	.....	.....	248.5	248.6	247.5	245.6	244.3	243.3	242.6	243.9	245.1
2	245.4	.....	.....	248.6	248.8	247.6	245.6	244.1	243.2	242.6	243.9	245.1
3	245.4	.....	.....	248.6	248.7	247.3	245.6	244.0	243.1	242.6	243.9	245.1
4	245.5	.....	.....	248.6	248.6	247.1	.....	244.0	243.1	242.6	244.1	245.1
5	245.6	.....	.....	248.6	248.6	247.1	.....	243.9	243.0	242.7	244.1	245.2
6	245.6	.....	.....	248.7	248.6	247.1	.....	244.0	243.1	242.7	244.1	245.2
7	245.5	.....	.....	248.9	248.5	247.1	.....	244.0	243.1	242.6	244.1	245.2
8	245.6	.....	.....	248.8	248.4	246.9	.....	244.0	243.1	242.7	244.1	245.4
9	245.7	.....	.....	248.8	248.3	246.8	.....	243.9	243.1	242.8	244.1	245.4
10	245.8	.....	.....	248.9	248.4	246.8	.....	243.8	243.0	242.7	244.2	245.4
11	245.8	.....	.....	249.0	248.4	246.8	.....	243.8	242.9	242.7	244.2	245.6
12	245.7	.....	.....	249.0	248.3	246.6	.....	243.7	242.9	242.8	244.2	245.7
13	245.8	.....	.....	248.9	248.3	246.6	245.0	243.6	242.9	242.9	244.4	245.6
14	245.7	.....	.....	248.9	248.3	246.5	244.9	243.6	242.9	243.2	244.3	245.7
15	245.7	.....	.....	249.0	248.2	246.4	244.9	243.6	242.7	243.2	244.2	245.6
16	245.8	.....	.....	249.1	248.2	246.4	244.9	243.6	242.7	243.2	244.3	245.9
17	245.6	.....	.....	249.0	248.2	246.4	244.8	243.6	242.6	243.2	244.5	246.0
18	245.7	.....	.....	248.9	248.2	246.4	244.8	243.6	242.8	243.3	244.6	246.2
19	245.8	.....	.....	248.9	248.2	246.3	244.8	243.4	242.8	243.2	244.7	246.2
20	245.9	.....	.....	248.9	248.1	246.2	244.6	243.4	242.9	243.4	244.8	246.2
21	246.1	.....	.....	248.9	248.0	246.2	244.6	243.4	242.9	243.4	244.8	246.2
22	246.1	.....	.....	248.9	248.0	246.1	244.7	243.5	242.7	243.4	244.9	246.2
23	246.0	.....	248.0	248.8	248.1	246.1	244.6	243.4	242.8	243.4	244.9	246.0
24	246.0	.....	247.9	248.7	248.0	246.0	244.5	243.3	242.9	243.5	244.9	246.0
25	246.1	.....	248.2	248.7	247.8	245.9	244.5	243.2	242.9	243.6	244.9	246.0

10S 20E-5ba1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	246.2	.....	248.3	248.7	247.8	245.8	244.5	243.1	242.9	243.8	245.0	246.1
27	246.3	.....	248.4	248.7	247.8	245.8	244.5	243.2	242.8	243.8	244.9	246.4
28	246.4	.....	248.4	248.6	247.8	245.8	244.4	243.2	242.6	243.8	245.0	246.4
29	246.6		248.3	248.6	247.5	245.9	244.3	243.3	242.6	243.9	244.9	246.4
30	246.9		248.4	248.5	247.5	245.6	244.3	243.3	242.6	243.9	245.0	246.3
31	.....		248.5		247.6		244.3	243.2		243.9		246.2

Kootenai County

53N 4W-24bb1. Washington Water Power Co. well 91. C. T. Jurgens. Dug stock and domestic water-table well in fluvioglacial gravel of Pleistocene age, diameter 39 inches, depth 480 feet, cribbed with wood to 480. Land-surface datum is 2,488.5 feet above msl datum of 1929 (unadjusted). Highest water level 447.6 below lsd, Aug. 21, 1950, July 16, 23, 1951; lowest 478.1 below lsd, Jan. 15, 1932. Records available: 1929-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	455.7	Apr. 5	457.8	July 5	454.5	Oct. 4	454.4
11	456.0	12	457.7	12	454.5	11	454.4
18	456.3	19	457.6	19	454.2	18	454.5
25	456.5	26	457.4	26	454.2	25	454.6
Feb. 1	456.8	May 3	457.2	Aug. 2	454.1	Nov. 8	454.8
8	457.0	10	456.9	9	454.0	15	455.0
15	457.3	17	456.6	16	454.1	22	455.1
22	457.5	24	456.2	23	454.1	29	455.2
Mar. 1	457.7	31	456.0	30	454.1	Dec. 6	455.4
8	457.8	June 7	455.5	Sept. 6	454.1	13	455.5
15	457.9	14	455.2	13	454.2	20	455.8
22	457.9	21	455.0	20	454.2	27	455.9
29	457.9	28	454.8	27	454.3		

53N 3W-31aa1. A. L. Ramm. Dug and drilled unused water-table well in fluvioglacial gravel of Pleistocene age, diameter 36 to 6 inches, depth 395 feet, concrete casing to 367, open 6-inch hole below 367. Land-surface datum is 2,383.4 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 346.1 below lsd, July 18, Aug. 12, 1950, June 4, July 5, 1951; lowest 355.4 below lsd, Mar. 29, 1950. Records available: 1948-53. No measurement made in 1954.

53N 2W-3bc1. Idaho Department of Fish and Game. Drilled public-supply water-table well in fluvioglacial gravel of Pleistocene age, diameter 18 inches, depth 331 feet, cased to 331, perforations 266-326. Land-surface datum is 2,269.1 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 202 below lsd, May 26, 1949; lowest 228 below lsd, Nov. 14, 1944. Records available: 1943-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	220	Apr. 12	224	July 18	211	Sept. 20	212
10	220	19	221	22	212	27	212
18	220	26	222	26	212	Oct. 4	211
25	224	May 3	220	Aug. 3	212	9	211
Feb. 1	220	10	219	7	211	15	211
8	220	17	218	9	212	22	212
15	220	24	219	12	212	23	211
22	220	31	219	14	211	29	213
25	222	June 7	220	16	212	Nov. 4	212
Mar. 1	220	14	214	22	211	9	212
8	220	21	214	30	212	15	213
15	224	25	214	Sept. 1	211	22	213
22	224	28	214	4	212	Dec. 3	210
29	223	July 5	214	8	211	10	213
Apr. 5	222	12	212	14	211	18	212

53N 2W-8cc1. Idaho Department of Fish and Game. Drilled unused water-table well in fluvioglacial gravel of Pleistocene age, diameter 12 inches. Land-surface datum is 2,440.5 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 383.4 below lsd, Sept. 17, 1952; lowest 395.3 below lsd, Feb. 25, 1954. Records available: 1950-54.
Feb. 25, 395.3

53N 2W-9aa1. Idaho Department of Fish and Game. Drilled unused water-table well in fluvioglacial gravel and sand of Pleistocene age, diameter 16 inches, depth 351 feet, cased to 351, perforations 280-345. Land-surface datum is 2,291.5 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 228 below lsd, June 8, 1948; lowest 252 below lsd, Jan. 2, Oct. 30, 1944. Records available: 1943-54.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	242.8	.....	243.0	242.8	240.7	233.9	234.6	232.5	231.5	231.3	231.4	233.1
2	242.8	.....	242.9	242.8	240.6	233.9	234.5	232.4	231.5	231.3	231.4	233.1
3	242.9	.....	242.8	242.8	240.5	233.9	234.4	232.3	231.5	231.3	231.4	233.1
4	242.9	.....	242.8	242.8	240.5	233.9	234.3	232.2	231.5	231.3	231.5	233.1
5	242.9	.....	242.7	242.9	240.4	234.0	234.0	232.2	231.5	231.3	231.5	233.2
6	243.0	.....	242.7	242.9	240.4	234.1	233.7	232.1	231.5	231.3	231.5	233.2
7	243.0	.....	242.6	242.9	240.3	234.2	233.4	232.0	231.5	231.3	231.5	233.2
8	243.0	.....	242.7	242.8	240.3	234.4	233.2	232.0	231.5	231.3	231.5	233.2
9	243.0	.....	242.7	242.8	240.1	234.5	233.1	232.0	231.5	231.3	231.5	233.2
10	243.0	.....	242.6	242.7	240.0	234.7	233.0	231.9	231.5	231.3	231.6	233.2
11	243.1	.....	242.6	242.7	239.8	234.8	232.9	231.9	231.4	231.3	231.7	233.2
12	243.1	.....	242.5	242.7	239.6	234.9	232.8	231.8	231.4	231.4	231.8	233.2
13	243.2	.....	242.5	242.6	239.3	235.0	232.8	231.8	231.4	231.4	231.9	233.2
14	243.2	.....	242.4	242.6	239.0	235.0	232.8	231.7	231.4	231.4	231.9	233.2
15	243.2	.....	242.4	242.5	238.7	234.9	232.9	231.7	231.4	231.4	232.0	233.3
16	.....	.....	242.4	242.4	238.4	234.9	232.7	231.7	231.4	231.4	232.2	233.3
17	.....	.....	242.4	242.4	238.2	234.7	232.6	231.7	231.4	231.4	232.2	233.3
18	.....	.....	242.4	242.3	237.8	234.6	232.5	231.7	231.4	231.4	232.3	233.3
19	.....	.....	242.4	242.2	237.5	234.6	232.4	231.7	231.4	231.4	232.4	233.3
20	.....	.....	242.4	242.1	237.1	234.5	232.5	231.7	231.4	231.4	232.5	233.3
21	.....	.....	242.4	242.0	236.6	234.6	232.5	231.7	231.4	231.4	232.6	233.4
22	.....	.....	242.5	241.8	236.2	234.7	232.6	231.6	231.4	231.4	232.7	233.4
23	.....	.....	242.5	241.7	235.6	234.8	232.6	231.6	231.4	231.4	232.8	233.4
24	.....	.....	242.5	241.5	235.2	234.9	232.6	231.6	231.4	231.4	232.8	233.4
25	.....	243.2	242.5	241.4	234.8	235.0	232.6	231.6	231.4	231.4	232.9	233.4
26	.....	243.2	242.6	241.3	234.5	235.0	232.6	231.6	231.3	231.4	232.9	233.4
27	.....	243.1	242.6	241.1	234.3	234.9	232.6	231.6	231.3	231.4	233.0	233.5
28	.....	243.0	242.6	241.0	234.1	235.0	232.6	231.5	231.3	231.4	233.0	233.5
29	.....		242.6	240.9	233.9	234.9	232.6	231.5	231.3	231.4	233.0	233.5
30	.....		242.7	240.8	233.9	234.8	232.6	231.5	231.3	231.4	233.1	233.5
31	.....		242.7		233.8		232.6	231.5		231.4		233.5

52N 4W-35dc1. Elvin Wood. Dug stock and domestic water-table well in fluvioglacial gravel of Pleistocene age, diameter 6 inches, depth 305 feet, cased to 305, open bottom. Land-surface datum is 2,314.0 feet above msl datum of 1929. Pacific Northwest Adjustment of 1947. Highest water level 291.4 below lsd, Oct. 25, 1950; lowest 305.8 below lsd, Dec. 11, 1952. Records available: 1948-54. Feb. 25, 301.0; June 25, 301.1; Sept. 1, 302.5; Oct. 23, 300.2; Dec. 18, 301.5.

51N 5W-21da1. Bob Bowen. Dug and drilled stock and domestic water-table well in fluvioglacial gravel of Pleistocene age, diameter 4 inches, depth 190 feet, cased to 190, open bottom. Land-surface datum is 2,159.5 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 154.1 below lsd, Aug. 15, 1951; lowest 175.5 below lsd, Nov. 27, 1941. Records available: 1941, 1948-53. No measurement made in 1954.

51N 5W-28ad1. J. O. Self. Dug stock water-table well in fluvioglacial gravel of Pleistocene age, diameter 4 inches, depth 163 feet, cased to 163, open bottom. Land-surface datum is 2,143.7 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 137.8 below lsd, Sept. 1, 1950; lowest 148.8 below lsd, Dec. 18, 1954. Records available: 1948-54. Feb. 25, 148.6; June 25, 145.4; Sept. 1, 145.8; Oct. 23, 147.1; Dec. 18, 148.8.

51N 5W-31bc1. Peter Beck. Dug and drilled stock and domestic water-table well in fluvioglacial gravel and sand of Pleistocene age, diameter 7 inches, reported depth 156 feet, cased to 152. Land-surface datum is 2,105.4 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 109.8 below lsd, July 6, 1950; lowest 132.6 below lsd, Nov. 29, 1941. Records available: 1941, 1948-54. June 25, 117.0; Dec. 18, 123.7.

51N 5W-33bb1. Washington Water Power Co. well 58. Spokane International Railway Co. Dug railroad water-table well in fluvioglacial gravel of Pleistocene age, diameter 5 feet, depth 174 feet, concrete casing to 174, open bottom. Land-surface datum is 2,137.6 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 134.1 below lsd, June 29, 1950; lowest 166.6 below lsd, Feb. 11, 1932. Records available: 1928-54. Feb. 25, 147.1; June 25, 143.0.

51N 4W-7bc1. Ralph Preuninger. Drilled unused water-table well in fluvioglacial gravel and sand of Pleistocene age, diameter 8 to 5 inches, depth 283 feet. Land-surface datum is 2,267.1 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 251.6 below lsd, Aug. 16, 1951; lowest 272.4 below lsd, July 22, 1942. Records available: 1942, 1948-54. Feb. 25, 261.2; June 25, 259.4; Sept. 1, 258.5; Dec. 18, 261.0.

51N 4W-10cc1. Kootenai County. Drilled unused water-table well in fluvioglacial gravel of Pleistocene age, diameter 4 inches, depth 305 feet. Land-surface datum is 2,288.0 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 269.2 below lsd, Aug. 31, 1950; lowest 291.5 below lsd, Nov. 5, 1941. Records available: 1941, 1948-54. June 23, 279.7; Sept. 1, 277.9; Oct. 23, 277.2; Dec. 18, 279.9.

51N 4W-18dc1. Clarence Feely. Drilled unused water-table well in fluvioglacial sand and gravel of Pleistocene age, diameter 6 inches, depth 275 feet, cased to 275. Land-surface datum is 2,260.7 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 244.8 below lsd, Sept. 1, 1950; lowest dry at 278.0, Nov. 28, 1941. Records available: 1941, 1948-54. Feb. 25, 255.9; June 25, 254.0; Sept. 1, 253.2; Oct. 23, 253.9; Dec. 18, 255.7.

51N 4W-26ba1. Rudolph. Drilled stock and domestic water-table well in fluvioglacial gravel of Pleistocene age, depth 283 feet, cased to 283, open bottom. Land-surface is 2,277.1 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 246.2 below lsd, Aug. 31, 1950; lowest 271.3 below lsd, July 22, 1942. Records available: 1942, 1948-54. Feb. 25, 258.5; June 25, 259.2; Sept. 1, 257.0; Oct. 23, 256.9; Dec. 18, 258.1.

50N 5W-1aa1. Washington Water Power Co. well 96. Post Falls Irrigation District. Dug public-supply water-table well in fluvioglacial sand and gravel of Pleistocene age, diameter 30 inches, depth 231 feet, concrete tile casing, open bottom. Land-surface datum is 2,192.5 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 176.1 below lsd, Sept. 1, 1950; lowest 212.3 below lsd, Dec. 8, 1931. Records available: 1929-54. Feb. 25, 189.8; June 25, 187.5; Sept. 1, 185.1; Oct. 23, 186.4; Dec. 18, 189.4.

Latah County

39N 5W-7dd1. Inland Motor Freight Co. Drilled unused artesian well in Moscow Basin, diameter 8 inches, depth 231 feet. Land-surface datum is 2,560.9 feet above msl datum of 1929. Highest water level 50.10 below lsd, Apr. 19, 1938; lowest 80.67 below lsd, Nov. 10, 1954. Records available: 1937-40, 1947-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	75.85	June 8	77.72	Sept. 2	79.57	Nov. 10	80.67
May 18	76.36	Aug. 3	80.01	Oct. 6	79.68	Dec. 8	80.56

39N 5W-10ac1. U. S. Geol. Survey. Driven observation water-table well in alluvial sand and gravel of Quaternary age, diameter 1½ inches, depth 21 feet, cased to 21. Highest water level 5.97 below lsd, Mar. 21, 1949; lowest 17.61 below lsd, Feb. 1, 1937. Records available: 1934-40, 1947-54.

Feb. 17	10.54	June 8	12.84	Aug. 3	14.50	Nov. 10	15.71
May 18	12.37	July 7	13.87	Oct. 6	15.08	Dec. 8	15.89

Minidoka County

8S 23E-2ba1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 8 to 6 inches, reported depth 254 feet, 8-inch casing to 18, perforated 6-inch casing 194-254. Land-surface datum is 4,313.6 feet above U. S. Bureau of Reclamation datum. Highest water level 197.6 below lsd, Dec. 4, 1953; lowest 201.7 below lsd, July 17-19, 1951. Records available: 1950-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	198.3	198.5	.....	.....	201.1	200.7	.....	.....	198.8
2	.....	.....	.....	198.3	198.7	.....	.....	200.9	200.6	.....	.....	198.8
3	.....	198.3	198.2	198.3	198.7	.....	.....	200.9	.....	.....	.....	198.7
4	.....	198.3	198.3	198.3	198.6	.....	.....	200.9	.....	.....	.....	198.6
5	.....	198.3	198.3	198.2	198.6	.....	.....	200.9	.....	.....	.....	198.8
6	198.0	198.3	198.2	198.3	198.7	.....	.....	201.1	.....	.....	.....	198.7
7	197.9	198.4	198.2	198.4	198.7	.....	.....	201.1	.....	.....	.....	198.6
8	198.0	198.3	198.2	198.3	198.6	.....	.....	201.0	.....	.....	.....	198.8
9	198.1	198.1	198.0	198.3	198.6	.....	.....	201.0	.....	.....	.....	198.6
10	198.2	198.0	197.8	198.5	198.7	.....	.....	200.9	.....	.....	.....	198.5

8S 23E-2ba1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	198.0	198.0	197.8	198.5	198.8	.....	.....	200.9	.....	.....	.....	198.5
12	197.9	197.8	198.2	198.5	198.8	.....	.....	200.9	.....	.....	.....	198.5
13	197.9	197.8	198.2	198.4	198.8	.....	.....	200.9	.....	199.6	.....	198.5
14	197.8	197.8	198.2	198.3	.....	.....	.....	200.9	.....	.....	.....	198.5
15	197.8	.....	198.2	198.5	.....	.....	.....	200.9	200.4	.....	.....	198.5
16	197.8	.....	198.0	198.6	.....	.....	.....	200.9	.....	.....	.....	198.8
17	197.8	.....	197.8	198.5	.....	.....	.....	201.2	.....	.....	.....	199.0
18	197.7	.....	197.9	198.4	.....	.....	.....	200.9	.....	.....	.....	199.0
19	197.9	.....	198.0	198.4	.....	.....	.....	200.8	.....	.....	.....	199.0
20	198.1	.....	198.0	198.4	.....	.....	.....	200.8	.....	.....	.....	198.9
21	197.9	.....	198.0	198.5	.....	.....	200.9	200.8	.....	.....	.....	198.8
22	197.8	.....	198.0	198.5	.....	.....	201.1	200.9	.....	.....	.....	198.7
23	198.1	.....	197.9	198.4	.....	.....	201.0	200.8	.....	.....	198.9	198.6
24	198.1	.....	197.9	198.4	.....	200.4	201.0	200.7	.....	.....	198.9	198.6
25	198.2	.....	198.0	198.4	.....	.....	201.0	200.6	.....	.....	198.8	198.6
26	198.3	.....	198.0	198.4	199.5	.....	201.0	200.7	.....	.....	198.8	198.8
27	.....	.....	198.1	198.4	.....	.....	201.0	200.7	.....	.....	198.6	199.0
28	.....	.....	198.2	198.3	.....	.....	201.0	200.8	.....	.....	198.7	198.8
29	.....		198.2	198.5	.....	.....	201.0	200.8	.....	.....	198.6	198.7
30	.....		198.2	198.4	.....	.....	201.1	200.6	.....	.....	198.6	198.5
31	.....		198.2		.....		201.1	200.7		.....		.....

8S 23E-27bd1. U. S. Bureau of Reclamation well C. Drilled irrigation water-table well in Snake River basalt, diameter 20 inches, depth 260 feet, cased to 21. Land-surface datum is 4,284.5 feet above U. S. Bureau of Reclamation datum. Highest water level 176.7 below lsd, Dec. 1, 1953; lowest 185.6 below lsd. June 29, 1951. Records available: 1948-54. Jan. 26, 177.0; Mar. 23, 177.0; Nov. 16, 177.2.

8S 24E-7da1. U. S. Bureau of Reclamation well B. Drilled irrigation water-table well in Snake River basalt, diameter 20 inches, depth 240 feet, cased to 31. Land-surface datum is 4,288.1 feet above U. S. Bureau of Reclamation datum. Highest water level 165.6 below lsd, Dec. 1, 1953; lowest 169.2 below lsd, June 16, 1952. Records available: 1948-54. Jan. 26, 165.8; Mar. 23, 165.7; Nov. 16, 166.3.

8S 24E-11ba1. U. S. Bureau of Reclamation well A. Drilled irrigation water-table well in Snake River basalt, diameter 20 inches, depth 225 feet, cased to 50. Land-surface datum is 4,300.6 feet above U. S. Bureau of Reclamation datum. Highest water level 161.8 below lsd, Oct. 28, 1953; lowest 164.8 below lsd, Apr. 22, 1949. Records available: 1948-54. Jan. 26, 162.3; Mar. 23, 162.6; May 13, 163.2, pumping; July 13, 163.9, pumping; Sept. 15, 163.2, pumping; Nov. 16, 162.8.

8S 24E-31dc1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 8 to 6 inches, reported depth 194 feet, cased to 188, perforations 158-188. Land-surface datum is 4,276.5 feet above U. S. Bureau of Reclamation datum. Highest water level 140.5 below lsd, Oct. 18, 24, Nov. 5, 1953; lowest 144.7 below lsd, Apr. 25-27, 1951. Records available: 1950-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	141.6	142.6	142.7	143.2	143.6	143.4	143.0	142.7	142.0	141.5	141.6	142.4
2	141.8	142.6	142.9	143.2	143.8	.....	143.1	142.5	141.9	141.4	141.6	142.4
3	141.7	.....	142.8	143.2	143.6	.....	143.0	142.6	141.8	141.5	141.7	142.3
4	141.9	142.5	142.9	143.2	143.6	.....	143.0	142.5	141.8	141.5	141.8	142.2
5	141.9	142.5	142.9	143.2	143.5	.....	143.0	142.5	141 8	141.5	141.8	142.4
6	141.8	142.6	142.8	143.3	143.5	.....	143.0	142.7	141.8	141.4	141.7	142.3
7	141.7	142.7	142.9	143.4	143.5	.....	143.0	142.6	141.8	141.4	141.7	142.3
8	141.8	142.6	142.8	143.2	143.4	142.9	142.9	142.6	141.8	141.4	141.8	142.5
9	142.0	142.3	142.6	143.4	143.4	143.0	143.0	142.5	141.8	141.5	141.8	142.4
10	142.0	142.3	142.5	143.5	143.5	143.1	142.9	142.5	141.7	141.4	141.9	142.3
11	141.9	142.4	142.6	143.5	143.5	143.1	143.0	142.5	141.6	141.3	141.8	142.7
12	141.8	142.2	143.0	143.4	143.5	142.9	143.0	142.4	141.7	141.4	141.8	142.7
13	141.8	142.2	143.1	143.3	143.5	143.0	142.9	142.4	141.7	141.6	141.9	142.5
14	141.7	142.2	143.0	143.3	143.6	143.1	143.0	142.3	141.5	141.8	141.8	142.6
15	141.8	142.6	142.9	143.5	143.5	143.0	143.1	142.4	141.6	141.6	141.7	142.4

8S 24E-31dc1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	141.9	142.6	142.7	143.6	143.5	143.0	143.0	142.3	141.5	141.5	141.9	142.8
17	141.7	142.4	142.6	143.4	143.5	143.1	142.9	142.3	141.6	141.4	142.1	142.9
18	141.8	142.5	143.0	143.3	143.5	143.1	142.9	142.2	141.6	141.5	142.1	142.9
19	141.8	142.8	142.9	143.3	143.5	143.0	142.9	142.1	141.6	141.3	142.1	.....
20	142.0	142.7	142.8	143.5	143.5	143.0	142.8	142.1	141.7	141.5	142.1	.....
21	142.2	142.6	143.0	143.5	143.5	143.0	142.9	142.1	141.6	141.4	142.2	142.8
22	142.1	142.9	143.0	143.4	143.6	143.0	143.0	142.2	141.5	141.4	142.2	142.7
23	141.8	142.9	142.8	143.3	143.6	142.9	142.9	142.0	141.5	141.3	142.2	142.6
24	142.0	142.6	142.7	143.3	143.4	142.9	142.8	141.9	141.7	141.4	142.2	142.6
25	142.1	142.6	143.1	143.4	143.3	142.9	142.8	141.9	141.7	141.4	142.1	142.6
26	142.1	142.5	143.2	143.5	143.4	142.9	142.8	141.9	141.6	141.7	142.2	142.8
27	142.3	142.9	143.1	143.4	143.5	142.9	142.9	141.9	141.5	141.6	142.1	143.0
28	142.3	142.7	143.0	143.4	143.5	143.1	142.8	142.0	141.4	141.6	142.2	142.9
29	142.3		143.0	143.5	143.1	143.0	142.7	142.1	141.5	141.6	142.1	142.8
30	142.5		143.1	143.3	143.4	142.9	142.8	141.9	141.5	141.6	142.3	142.7
31	142.6		143.2		143.4		142.8	142.0		141.6		142.6

8S 25E-16da1. V. Anderson. Drilled irrigation water-table well in Snake River basalt, diameter 20 inches, reported depth 230 feet. Land-surface datum is 4,293.4 feet above U. S. Bureau of Reclamation datum. Highest water level 148.4 below lsd, Dec. 1, 1953; lowest 151.0 below lsd, Aug. 4, 1953. Records available: 1949-54. Jan. 26, 148.6; Mar. 24, 148.8; May 13, 149.2; Nov. 16, 149.2.

8S 25E-24bd1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 8 to 6 inches, reported depth 180 feet, 8-inch casing to 15, 6-inch casing 120-180, perforations 160-180. Land-surface datum is 4,282.7 feet above U. S. Bureau of Reclamation datum. Highest water level 133.5 below lsd, Oct. 24, Nov. 5-6, 17, 1953; lowest 136.2 below lsd, Mar. 12, 1951. Records available: 1950-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	133.9	134.3	134.2	134.4	134.5	134.6	134.7	134.8	134.6	.....	.....	.....
2	133.9	134.3	134.3	134.4	134.6	134.7	134.8	.....	134.6	.....	.....	.....
3	133.9	134.3	134.3	134.4	134.6	134.6	134.8	134.7	134.6	.....	.....	.....
4	134.0	134.3	134.3	134.4	134.6	134.5	134.8	134.7	134.6	.....	.....	.....
5	134.0	134.3	134.4	134.4	134.6	134.5	134.8	134.7	134.6	.....	.....	.....
6	134.0	134.3	134.3	134.4	134.6	134.6	134.8	134.8	134.6	.....	.....	.....
7	133.9	134.3	134.3	134.6	134.6	134.6	134.8	134.8	134.6	.....	.....	.....
8	133.9	134.3	134.3	134.5	134.5	134.6	134.8	134.8	.....	.....	.....	.....
9	134.0	134.2	134.2	134.4	134.4	134.6	134.8	134.7	.....	.....	.....	134.8
10	134.0	134.1	134.1	134.5	134.5	134.6	134.8	134.7	.....	.....	.....	134.8
11	134.0	134.1	134.1	134.6	134.5	134.6	134.8	134.7	.....	.....	.....	.....
12	133.9	134.1	134.2	134.6	134.5	134.6	134.8	134.7	.....	.....	.....	.....
13	134.0	134.0	134.4	134.5	134.5	134.6	134.8	134.7	.....	.....	.....	.....
14	133.9	134.0	134.4	134.5	134.5	134.6	134.8	134.7	.....	.....	.....	134.9
15	133.9	134.1	134.3	134.5	134.5	134.6	134.8	134.7	.....	.....	.....	134.8
16	133.9	134.2	134.2	134.6	134.6	134.6	134.8	134.7	.....	.....	.....	135.0
17	133.8	134.1	134.1	134.6	134.6	134.6	134.8	134.7	.....	.....	.....	135.1
18	133.9	134.1	134.2	134.5	134.6	134.7	134.8	134.7	.....	.....	.....	135.2
19	133.8	134.3	134.2	134.5	134.6	134.7	134.8	134.6	.....	.....	.....	.....
20	133.9	134.3	134.2	134.5	134.6	134.7	134.8	134.6	.....	.....	.....	.....
21	134.0	134.2	134.2	134.6	134.6	134.7	134.8	134.6	.....	.....	.....	135.0
22	134.0	134.3	134.3	134.6	134.6	134.7	134.8	134.7	.....	.....	.....	.....
23	133.9	134.4	134.2	134.5	134.6	134.7	134.8	134.7	.....	.....	.....	.....
24	133.9	134.3	134.1	134.5	134.6	134.7	134.8	134.6	.....	.....	.....	.....
25	134.0	134.2	134.2	134.5	134.6	134.7	134.8	134.6	.....	.....	.....	.....
26	134.0	134.1	134.4	134.5	134.6	134.6	134.8	134.6	.....	.....	.....	.....
27	134.1	134.3	134.4	134.5	134.6	134.6	134.8	134.6	.....	.....	.....	135.1
28	134.1	134.3	134.4	134.4	134.6	134.7	134.8	134.6	.....	.....	.....	135.1
29	134.1		134.3	134.5	134.6	134.8	134.8	134.7	.....	.....	.....	135.1
30	134.2		134.3	134.4	134.5	134.7	134.8	134.6	.....	.....	.....	.....
31	134.3		134.4		134.6		134.8	134.6		.....		134.9

9S 22E-33ab1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 12 inches, depth 257 feet, stovepipe casing to basalt bedrock at shallow depth. Land-surface datum is 4,234.7 feet above U. S. Bureau of Reclamation datum. Highest water level 222.3 below lsd, Jan. 17, 23, 1954; lowest 225.7 below lsd, Sept. 7, 1950. Records available: 1947, 1950-54.

9S 22E-33ab1--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	223.0	222.9	.....	223.3	223.8	224.3	224.6	224.9	224.8	.....	.....
2	.....	222.9	223.0	222.9	223.4	223.9	.....	224.5	224.9	224.8	.....	.....
3	.....	222.9	222.9	223.0	223.2	223.6	.....	224.6	224.8	224.8	.....	.....
4	.....	222.9	223.0	223.0	223.4	223.5	224.2	224.6	224.8	224.8	.....	.....
5	.....	222.9	223.0	223.0	223.3	223.6	224.2	224.6	224.9	224.7	.....	.....
6	222.6	223.0	222.9	223.1	223.3	223.8	224.2	224.7	225.0	224.7	.....	.....
7	222.7	223.0	223.0	223.2	223.3	223.8	224.2	224.7	224.9	224.7	.....	.....
8	222.8	222.9	222.9	222.9	223.2	223.6	224.2	224.6	225.0	224.7	.....	224.0
9	222.8	222.7	.....	223.1	223.2	223.7	224.3	224.6	225.0	224.6	.....	223.9
10	222.9	222.7	.....	223.2	223.4	223.8	224.2	224.7	224.8	224.5	224.2	223.9
11	222.7	222.7	.....	223.2	223.4	223.9	224.4	224.7	224.8	224.4	.....	224.2
12	222.6	222.6	.....	223.2	223.4	223.8	224.3	224.6	224.8	224.6	.....	224.1
13	222.6	222.6	.....	223.0	223.4	223.9	224.3	224.6	225.0	224.7	.....	223.9
14	222.6	222.6	.....	223.0	223.5	224.0	224.3	224.7	224.8	.....	.....	224.1
15	222.6	222.9	.....	223.3	223.4	223.9	224.4	224.8	224.8	.....	.....	223.8
16	222.6	222.8	.....	223.3	223.5	224.0	224.4	224.8	224.8	.....	.....	224.2
17	222.3	222.6	.....	223.1	223.5	224.0	224.4	224.8	224.9	.....	.....	224.2
18	222.6	222.8	.....	223.0	223.5	224.1	224.5	224.7	224.9	.....	.....	224.2
19	222.5	223.1	.....	223.1	223.4	224.0	224.4	224.6	224.9	.....	.....	224.2
20	222.6	222.8	.....	223.2	223.4	224.0	224.4	224.7	225.0	.....	.....	224.1
21	222.8	222.7	.....	223.2	223.4	224.1	224.5	224.8	224.9	.....	.....	224.0
22	222.7	223.1	.....	223.2	223.6	224.1	224.6	224.9	224.8	.....	.....	224.0
23	222.3	223.0	.....	223.1	223.6	224.0	224.5	224.8	225.0	.....	.....	223.8
24	222.6	222.8	.....	223.1	223.5	224.0	224.5	224.7	225.0	.....	.....	223.8
25	222.6	222.8	.....	223.1	223.4	224.0	224.5	224.7	224.9	.....	.....	223.8
26	222.6	222.8	.....	223.2	223.5	224.1	224.6	224.8	224.8	.....	.....	223.9
27	222.8	223.0	.....	223.1	223.7	224.3	224.6	224.8	224.7	.....	.....	224.1
28	222.8	222.7	.....	223.0	223.6	224.1	224.6	224.9	224.7	.....	.....	224.1
29	222.7		.....	223.2	223.4	224.3	224.5	225.0	224.8	.....	.....	223.9
30	222.9		.....	223.0	223.6	224.4	224.6	224.9	224.7	.....	.....	223.8
31	222.9		.....		223.6		224.6	225.0		.....		223.6

9S 24E-1db2. Louis Madrid. Drilled domestic water-table well in Snake River basalt and interbedded sediments, diameter 6 inches, depth 87 feet. Land-surface datum is 4,163.7 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Water level influenced by local irrigation. Highest water level 54.26 below lsd, Sept. 15, 1948; lowest 71.33 below lsd, Feb. 14, 1950. Records available: 1947-54. Jan. 26, 67.27; Mar. 24, 68.75; May 13, 67.81; July 14, 61.17; Sept. 16, 56.35; Nov. 16, 64.21.

Oneida County

11S 35E-30cb1. Russell Daniels. Drilled unused low-pressure artesian well in alluvial sand of Pleistocene age, diameter 8 inches, depth 204 feet. Highest water level 25.10 below lsd, May 5, 1952; lowest 28.09 below lsd, Sept. 27, 1949. Records available: 1947-54. Apr. 7, 26.90.

11S 35E-31ac1. Russell Daniels. Drilled unused water-table well in river gravels of Quaternary age, diameter 6 inches, depth 92 feet. Highest water level 30.34 below lsd, May 5, 1952; lowest 46.07 below lsd, Nov. 1, 1952. Records available: 1947-54. Apr. 7, 35.19.

13S 35E-33cc1. Mrs. K. T. Jones. Drilled unused water-table well in rocks of Paleozoic age, diameter 6 inches, depth 328 feet. Highest water level 293.5 below lsd, Apr. 26, 1953; lowest 302.3 below lsd, Sept. 13, 1951. Records available: 1946-54. Apr. 7, 293.8; Oct. 29, 296.4.

13S 35E-36cc1. Dave Deschamps. Drilled unused water-table well in sediments of Pleistocene age, diameter 4 inches, depth 131 feet. Highest water level 80.78 below lsd, Apr. 26, 1953; lowest 83.31 below lsd, Nov. 1, 1952. Records available: 1946-54. Apr. 7, 81.36; Oct. 29, 81.99.

14S 34E-31da1. Roy Davis. Drilled unused water-table well in rocks of Paleozoic age, diameter 4 inches, depth 399 feet. Highest water level 372.6 below lsd, Apr. 26, 1953; lowest 389.4 below lsd, Sept. 14, 1951. Records available: 1947-54. Apr. 7, 375.8.

14S 35E-10ab1. John W. Leavitt. Drilled irrigation water-table well, diameter 4 inches. Land-surface datum is 4,769.4 feet above msl (preliminary). Highest water level 115.4 below lsd, May 4, 1948; lowest 124.6 below lsd, Oct. 13, 1947. Records available: 1931, 1943-54. Apr. 7, 117.6.

14S 35E-13db1. Progressive Pump Co. Drilled irrigation water-table well, diameter 14 inches, depth 289 feet, cased to 289, perforations opposite all gravels 114-289. Highest water level 66.07 below lsd, Apr. 26, 1953; lowest 77.36 below lsd, Oct. 29, 1954. Records available: 1943-54. Apr. 7, 67.37; Oct. 29, 77.36.

14S 35E-27aa1. Davis & Ipsen. Drilled irrigation water-table well, diameter 14 inches, depth 210 feet, cased to 210, perforations opposite all gravels 55-210. Highest water level 52.65 below lsd, Apr. 9, 1947; lowest 63.61 below lsd. Oct. 29, 1954. Records available: 1943-54. Apr. 7, 54.40; Oct. 29, 63.61.

14S 35E-35bd1. John W. Price. Drilled stock and domestic artesian well, diameter 3 inches, reported depth 360 feet. Flowing prior to measurement. Highest water level 29.0 above lsd, Feb. 25, 1946; lowest 10.50 above lsd, Sept. 7, 1950. Records available: 1943-54. Apr. 7, +20.5; Oct. 29, +13.0.

14S 35E-36bc1. Smith & Illum. Drilled irrigation artesian well, diameter 14 inches. depth 301 feet, cased to 301, perforations opposite all gravel beds 72-301. Highest water level 15.69 below lsd, Apr. 1, 1947; lowest 22.49 below lsd, Sept. 27, 1949. Records available: 1943-54. Apr. 7, 16.88; Oct. 29, 21.07.

14S 36E-3ca1. Walter K. Dastrup. Drilled irrigation water-table well, diameter 14 inches, depth 402 feet, cased to 402, perforations 89-122. Land-surface datum is 4,850.2 feet above msl (preliminary). Highest water level 59.15 below lsd, Oct. 16, 1932; lowest 74.22 below lsd, Sept. 14, 1951. Records available: 1931-32, 1943-54. Apr. 7, 66.44; Oct. 29, 71.88.

14S 36E-29ba1. R. R. Jones. Drilled unused artesian well, diameter 4 inches, depth 302 feet. Land-surface datum is 4,510.8 feet above msl (preliminary). Highest water level 22.42 below lsd, May 5, 1952; lowest dry at 36, Oct. 29, 1954. Records available: 1931, 1943-54. Apr. 7, 25.09; Oct. 29, dry at 36.

14S 36E-32aa1. R. J. Harding. Drilled stock artesian well, diameter 4 inches, depth 194 feet. Land-surface datum is 4,476.9 feet above msl (preliminary). Flowing prior to measurement. Highest water level 7.6 above lsd, May 2, 1944, Feb. 25, 1946; lowest 6.0 below lsd, Oct. 28, 1954. Records available: 1943-54. Apr. 7, +7.3; Oct. 28, 6.0.

14S 36E-32da1. William Howard. Drilled stock artesian well, diameter 4 inches, depth 74 feet. Land-surface datum is 4,463.7 feet above msl (preliminary). Flowing prior to measurement. Highest water level 4.7 above lsd. May 6, 1952; lowest 4.6 below lsd, Oct. 28, 1954. Records available: 1931-32, 1943-54. Apr. 7, +2.8; Oct. 28, 4.6.

15S 34E-6ab1. Joe Thorpe. Dug stock and domestic water-table well in bottom-land alluvium, depth 85 feet. Highest water level 4.73 below lsd, May 6, 1952; lowest 49.18 below lsd, Nov. 7, 1949. Records available: 1947-54. Apr. 7, 29.97.

15S 35E-1da1. Joseph Josephson. Drilled irrigation artesian well, diameter 3 inches, depth 275 feet, cased to 249. Land-surface datum is 4,453.0 feet above msl (preliminary). Flowing prior to measurement. Highest water level 33.1 above lsd, May 3, 1944; lowest 16.9 above lsd, Sept. 7, 1950. Records available: 1943-45, 1947-54. Apr. 7, +30.9; Oct. 28, +20.2.

15S 35E-1db1. L. R. Waldron. Drilled stock artesian well, diameter 3 inches, depth 311 feet. Land-surface datum is 4,457.6 feet above msl (preliminary). Flowing prior to measurement. Highest water level 25.9 above lsd, May 3, 1944; lowest 8.6 above lsd, Sept. 7, 1950. Records available: 1943-54. Apr. 7, +23.0.

15S 35E-12ab2. James H. Williams. Drilled irrigation artesian well, diameter 4 inches. Land-surface datum is 4,428.3 feet above msl (preliminary). Flowing prior to measurement. Highest water level 26.6 above lsd, Oct. 28, 1954; lowest 13.0 above lsd, May 5, 1948. Records available: 1931-32, 1943-54. Apr. 7, +25.0; Oct. 28, +26.6.

15S 35E-12bb1. James H. Williams. Drilled irrigation artesian well, diameter $2\frac{1}{2}$ inches, depth 187 feet. Land-surface datum is 4,442.0 feet above msl (preliminary). Flowing prior to measurement. Highest water level 14.5 above lsd, Apr. 1, 1947; lowest 0.1 above lsd, Sept. 7, 1950. Records available: 1943-54. Apr. 7, +8.4; Oct. 28, +0.5.

15S 35E-14ad1. Ben Jones. Drilled domestic artesian well, diameter 3 inches. Land-surface datum is 4,430.3 feet above msl (preliminary). Flowing prior to measurement. Highest water level 7.1 above lsd, May 6, 1952; lowest 1.9 above lsd, May 3, 1944. Records available: 1943-54. Apr. 7, +7.0; Oct. 28, +3.1.

15S 36E-5aa4. Dives Bros. Drilled irrigation artesian well, diameter 4 inches, depth 158 feet. Land-surface datum is 4,437.6 feet above msl (preliminary). Flowing prior to measurement. Highest water level 17.0 above lsd, Feb. 28, 1951; lowest 2.0 above lsd, Oct. 29, 1954. Records available: 1931-32, 1943-45, 1947-54. Apr. 7, +14.8; Oct. 29, +2.0.

15S 36E-6ac2. Will John. Drilled unused artesian well, diameter 2 inches, reported depth 300 feet. Land-surface datum is 4,441.1 feet above msl (preliminary). Flowing prior to measurement. Highest water level 17.0 above lsd, Feb. 28, 1951; lowest 3.1 above lsd, Oct. 28, 1954. Records available: 1943-54. Apr. 7, +13.6; Oct. 28, +3.1.

15S 36E-6ba1. A. E. Scott. Drilled stock and domestic artesian well, diameter 3 inches, reported depth 310 feet. Land-surface datum is 4,465.4 feet above msl (preliminary). Flowing prior to measurement. Highest water level 23.1 above lsd, May 4, 1944, Apr. 26, 1953; lowest 8.0 above lsd, Sept. 7, 1950. Records available: 1943-54. Apr. 7, +22.3; Oct. 28, +13.9.

15S 36E-8aa1. Edward Vaughn. Drilled unused artesian well, diameter 4 inches, depth 138 feet. Flowing prior to measurement. Highest water level 24.0 above lsd, Mar. 20, 1952; lowest 11.8 above lsd, June 29, 1943. Records available: 1943-54. Apr. 7, +22.7.

15S 36E-22ab1. Moroni V. Rees. Drilled irrigation artesian well, diameter 8 inches, depth 101 feet. Land-surface datum is 4,410 feet above msl. Flowing prior to measurement. Highest water level 24.8 above lsd, Mar. 20, 1952; lowest 13.0 above lsd, July 15, 1943. Records available: 1943, 1947-54. Apr. 7, +22.0; Oct. 29, +24.4.

15S 36E-29ca2. Tom Dudley. Drilled stock and domestic artesian well, diameter 3 inches, depth 270 feet. Land-surface datum is 4,402.6 feet above msl (preliminary). Flowing prior to measurement. Highest water level 14.7 above lsd, May 6, 1952; lowest 3.2 above lsd, Sept. 7, 1950. Records available: 1943-54. Apr. 7, +12.6; Oct. 29, +7.8.

15S 36E-30ab1. John W. Jenkins. Drilled irrigation artesian well, diameter 4 inches, reported depth 229 feet. Land-surface datum is 4,395.8 feet above msl (preliminary). Flowing prior to measurement. Highest water level 14.9 above lsd, May 3, 1944; lowest 6.6 above lsd, Oct. 29, 1954. Records available: 1943-54. Apr. 7, +14.3; Oct. 29, +6.6.

15S 36E-30ab2. John W. Jenkins. Drilled irrigation artesian well, diameter 4 inches, depth 196 feet. Land-surface datum is 4,395.3 feet above msl (preliminary). Flowing prior to measurement. Highest water level 13.2 above lsd, May 6, 1952; lowest 9.0 above lsd, Sept. 7, 1950. Records available: 1943-54. Apr. 7, +13.1; Oct. 28, +9.4.

Payette County

7N 5W-3da1. Sim Watkins. Dug stock and domestic water-table well in alluvial sand and gravel, diameter 4 feet, depth 56 feet, concrete casing, open bottom. Water level influenced by local irrigation. Highest water level 31.0 below lsd, Sept. 12, Oct. 7, 1949; lowest 43.3 below lsd, Apr. 27, May 3, 1949. Records available: 1944-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	38.1	Apr. 5	41.9	July 5	38.9	Oct. 4	32.8
11	38.3	12	42.1	12	38.5	11	32.5
18	38.8	19	42.1	19	38.0	18	32.7
25	38.9	26	42.3	27	37.2	25	33.1
Feb. 1	39.4	May 3	42.5	Aug. 1	36.3	Nov. 1	34.0
8	39.6	10	42.1	9	35.5	8	34.3
15	40.1	17	41.7	16	35.1	15	34.8
22	40.3	24	41.2	23	34.3	22	34.6
Mar. 1	40.4	31	40.8	30	33.9	29	35.9
8	40.7	June 7	40.6	Sept. 6	33.4	Dec. 6	36.3
15	40.9	14	40.6	13	33.4	13	36.9
22	41.3	21	40.0	20	32.9	20	37.2
29	41.6	28	39.6	27	32.7	27	37.6

MONTANA

By Frank A. Swenson

Scope of Water-Level Program

The observation of water-level fluctuations in wells in Montana was continued in 1954 in connection with ground-water studies being made as part of the program for development of the Missouri River Basin. Measurements of the water level in 23 wells are included in this report. The locations of the wells are shown in figure 18. Water levels for three wells are reported for the first time; these wells were established to replace nearby wells which were destroyed. Measurements of the water level in many other wells in the State are included in the reports on the project studies.

Interpretation of Water-Level Fluctuations

The year 1954 was characterized by lack of extremes in water-level fluctuations. In five wells, the water level reached the lowest stage during the period of record, but it was only slightly lower than previous record lows. In three wells, the water level reached the highest stage during the period of record, but here too it was only slightly higher than previous highs.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. 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 first lowercase letter denotes the 160-acre tract and the second the 40-acre tract. The letters are assigned in a counterclockwise direction, beginning in the northeastern quarter. Well numbers are preceded by the capital letters, A, B, C, and D, to designate the location of the well in the northeast, northwest, southwest, and southeast quadrants, respectively, of the Montana principal meridian and baseline system. Thus, the number D-2-34-23ad indicates that the well so designated is in the SE¼NE¼ sec. 23, T. 2 S., R. 34 E.

Well Descriptions and Water-Level Measurements

(Water levels are in feet below land-surface datum unless otherwise indicated.)

Beaverhead County

C-8-9-9bb. James Rebich. Dug and drilled domestic well, diameter 4 feet, depth 31 feet. Highest water level 2.09 below lsd, July 7, 1953; lowest 29.65 below lsd, Mar. 3, 1952. Records available: 1947-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	27.10	Apr. 29	26.44	July 11	14.81	Oct. 6	17.51
Mar. 3	26.80	May 20	22.37	Aug. 11	13.99	Nov. 10	20.80
Apr. 1	29.20	June 10	23.27	Sept. 10	13.23	Dec. 16	24.15

Big Horn County

D-2-34-23ad. U. S. Geol. Survey. Jetted observation well, diameter ¾ inch, depth 25 feet, pipe casing. Highest water level 1.40 below lsd, Sept. 8, 1954; lowest 3.88 below lsd, Dec. 21, 1954. Records available: 1954. Sept. 8, 1.40; Nov. 16, 2.28; Dec. 21, 3.88.

Chouteau County

A-29-13-21aa2. U. S. Geol. Survey. Unused well in deposits of Pleistocene age, diameter 2 inches, depth 210 feet, cased with steel to 167. Highest water level 15.78 below lsd, May 17, 1949; lowest 17.98 below lsd, Aug. 3, 1954. Records available: 1947-54.

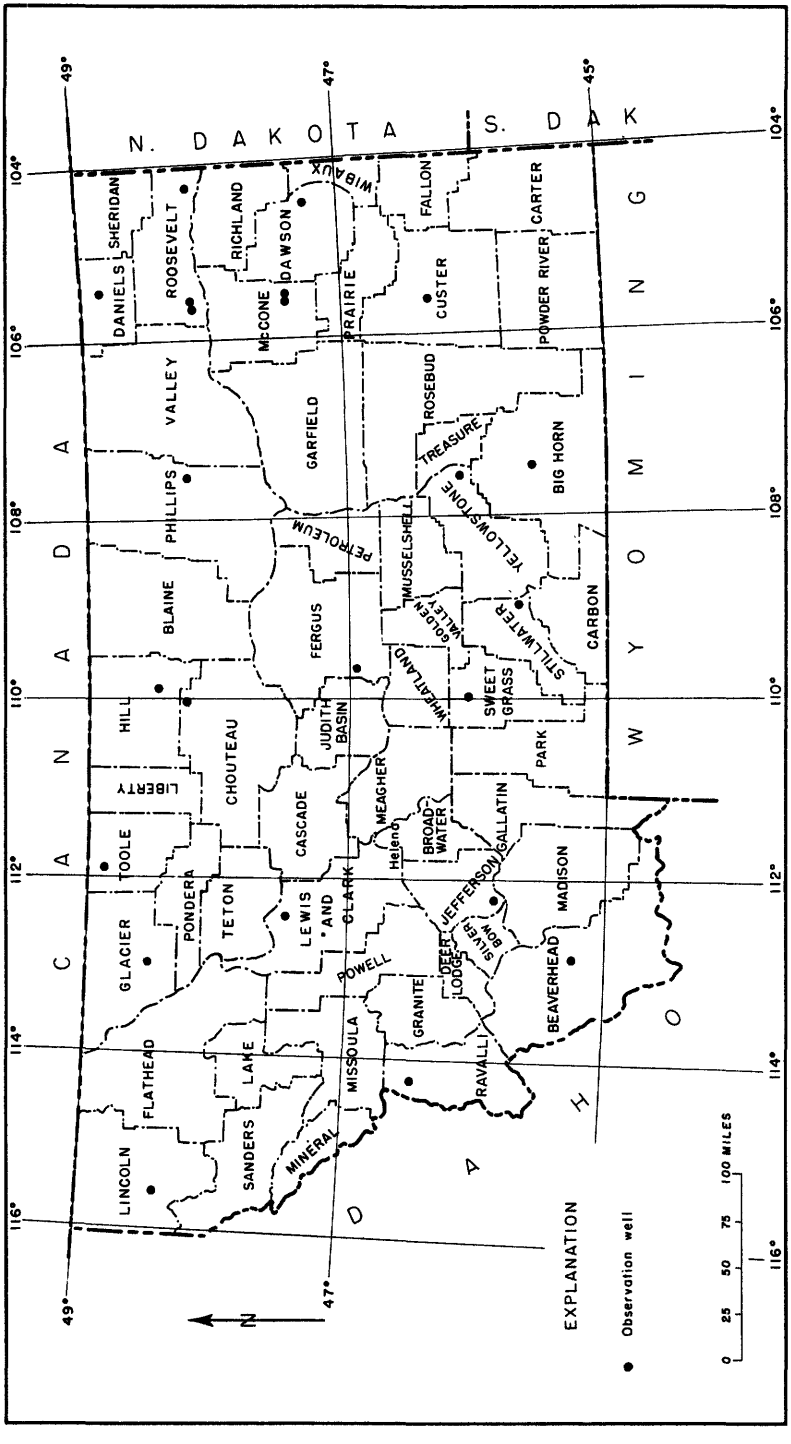


Figure 18.--Location of observation wells in Montana, 1954.

A-29-13-21aa2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 16	16.68	June 7	16.69	Aug. 3	17.98	Oct. 20	17.10
27	17.09	July 2	17.15	Sept. 17	17.12	Nov. 5	17.08
May 15	17.23						

Custer County

A-7-47-13dd. Owner unknown. Drilled unused well in Fort Union formation, diameter 4 inches, depth 46 feet, cased with steel. Highest water level 38.16 below lsd, Oct. 9, 1952; lowest 43.10 below lsd, June 6, 1947. Records available: 1947-54.

Jan. 6	40.13	Apr. 16	41.37	July 19	39.20	Nov. 23	38.82
Feb. 10	40.50	May 17	41.65	Sept. 16	38.80	Dec. 7	39.49
Mar. 17	40.85	June 17	40.54	Oct. 18	38.82		

Daniels County

A-35-47-12cd. State of Montana. Dug unused well, diameter 4 feet, depth 31 feet, cribbed with wood and stone. Highest water level 13.20 below lsd, July 28, 1953; lowest 15.66 below lsd, Feb. 21, 1948. Records available: 1947-54.

Jan. 25	14.35	May 10	13.71	July 1	13.40	Oct. 10	13.82
Mar. 2	14.33	June 8	13.48	Aug. 19	13.88	Nov. 17	13.79
19	14.22	25	13.36	Sept. 9	14.04	Dec. 7	13.95
Apr. 15	14.06						

Dawson County

A-18-56-25cb. Mrs. Bud Stevenson. Dug unused well in terrace deposits, diameter 30 inches, depth 28 feet, cribbed with concrete. Highest water level 22.63 below lsd, Sept. 15, 1952; lowest 25.45 below lsd, June 3, 1954. Records available: 1947-54.

Feb. 1	25.22	May 3	25.24	Aug. 5	25.39	Oct. 13	25.04
Mar. 9	25.21	June 3	25.45	Sept. 10	25.19	Dec. 8	25.21
Apr. 14	25.23	July 21	25.36	28	24.97		

Fergus County

A-14-16-15bb. J. J. Pospisil. Dug domestic well, diameter 4 feet, depth 39 feet, concrete curb. Highest water level 33.15 below lsd, Apr. 30, 1952; lowest 36.41 below lsd, Nov. 30, 1954. Records available: 1950-54. Replaces well A-14-16-9dd.

Jan. 29	34.67	Apr. 29	34.88	Aug. 31	34.82	Nov. 30	36.41
Feb. 25	34.78	June 30	34.98	Sept. 29	34.79	Dec. 30	35.24
Mar. 31	35.86	July 29	34.92	Oct. 29	34.79		

Glacier County

B-32-11-3dd. Bureau of Indian Affairs. Unused well, diameter 24 inches, depth 9 feet, sheet-iron casing. Highest water level 0.00, Mar. 19, 1951, Mar. 4, 1952, Apr. 5, 1954; lowest 2.96 below lsd, Oct. 1, 1953. Records available: 1947-54.

Jan. 5	2.45	Mar. 31	1.04	May 19	1.43	Sept. 18	2.03
Feb. 2	2.15	Apr. 5	.00	June 11	1.06	Oct. 21	1.71
25	.13	30	.16	July 21	2.68	Dec. 1	2.08
Mar. 3	.69	May 7	.32	Aug. 23	2.69	30	2.28
18	.88						

Hill County

A-32-15-17dd. U. S. Geol. Survey. Drilled unused well in deposits of Pleistocene age, diameter 2 inches, depth 180 feet, cased with steel to 152. Highest water level 41.78 below lsd, Nov. 5, 1954; lowest 52.56 below lsd, June 18, 1947. Records available: 1947-54.

Apr. 13	41.96	June 7	42.24	Aug. 3	41.91	Oct. 20	41.88
May 15	42.00	July 2	41.90	Sept. 17	41.91	Nov. 5	41.78

Jefferson County

B-1-4-8cd. Joe Merrick. Drilled unused well, diameter 4 inches, depth 9 feet, cased with steel. Highest water level 1.88 below lsd, Oct. 5, 1953; lowest 6.00 below lsd, June 23, 1947. Records available: 1947-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	2.58	May 2	1.91	July 12	2.89	Oct. 9	2.13
Mar. 6	2.66	21	1.93	Aug. 13	2.26	Nov. 16	2.22
Apr. 2	2.70	June 11	2.77	Sept. 11	2.28	Dec. 21	2.37

Lewis and Clark County

B-20-6-8da. Owner unknown. Dug unused well, diameter 24 inches, depth 13 feet, cribbed with masonry. Highest water level 6.85 below lsd, June 9, 1953; lowest 11.49 below lsd, Jan. 15, 1948. Records available: 1947-54. Mar. 30, 10.74. Measurement discontinued.

Lincoln County

B-31-31-32db. Owner unknown. Dug unused well, diameter 4 feet, depth 15 feet, cribbed with masonry. Highest water level 5.02 below lsd, June 2, 1948; lowest 13.23 below lsd, Dec. 9, 1952. Records available: 1947-54.

Mar. 8	9.58	June 14	7.28	Sept. 24	10.18	Nov. 23	10.14
Apr. 6	7.80	Aug. 12	9.74	Oct. 25	10.33	Dec. 30	10.63
May 13	6.82						

McCone County

A-19-48-10db. Eldridge. Drilled domestic well, diameter 12 inches, depth 36 feet, cased with wood staves. Highest water level 26.86 below lsd, Oct. 4, 1947; lowest 30.51 below lsd, May 29, 1950. Records available: 1947-54. Feb. 1, 28.09; Mar. 23, 28.10. Measurement discontinued.

A-19-48-11bc. City of Circle. Drilled unused municipal well, diameter 12 inches, depth 53 feet, cased with steel. Highest water level 27.25 below lsd, Oct. 11, 1954; lowest 31.37 below lsd, Oct. 27, 1954. Records available: 1954. Replaces well A-19-48-10db. Oct. 11, 27.25; Oct. 27, 31.37; Nov. 4, 31.34; Dec. 2, 31.33.

Phillips County

A-31-34-8ca. W. D. Miller. Drilled unused well, diameter 5 inches, depth 15 feet, cased with steel. Highest water level 2.65 below lsd, Aug. 19, 1948; lowest 6.90 below lsd, Mar. 11, 1953. Records available: 1947-54.

Jan. 7	5.91	Mar. 24	6.27	July 26	4.28	Oct. 19	4.93
Feb. 4	6.44	May 17	5.33	Aug. 19	3.77	Nov. 22	5.10
26	6.22	June 2	5.04	Sept. 23	4.36	Dec. 14	5.51
Mar. 9	6.30						

Ravalli County

B-7-20-18ab. Owner unknown. Dug unused well, diameter 30 inches, depth 18 feet, cased with wood staves. Highest water level 2.75 below lsd, May 3, 1952; lowest 13.42 below lsd, Jan. 20, 1953. Records available: 1947-54.

Jan. 6	8.31	Apr. 27	5.89	July 21	6.98	Oct. 28	5.75
Feb. 5	5.28	May 25	5.62	Aug. 26	7.57	Nov. 24	6.39
Mar. 28	5.78	June 18	5.35	Sept. 28	7.64	Dec. 16	7.20

Roosevelt County

B-28-49-35ca. Owner unknown. Drilled unused well, diameter 4 inches, depth 49 feet, cased with steel. Highest water level 14.70 below lsd, May 1, 1947; lowest 28.88 below lsd, Oct. 8, 1946. Records available: 1946-54. Jan. 26, 16.88; Feb. 23, 16.73; Mar. 17, 16.48. Measurement discontinued.

A-28-57-28dd. Abandoned school. Drilled unused well in Fort Union formation, diameter 5 inches, depth 29 feet, cased with steel. Highest water level 23.07 below lsd, Dec. 7, 1954; lowest 27.52 below lsd, Apr. 25, 1946. Records available: 1946-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	24.26	Apr. 14	23.14	Aug. 6	23.30	Nov. 10	23.21
Feb. 23	24.07	June 11	23.08	Sept. 21	23.50	Dec. 7	23.07
Mar. 26	23.66	July 6	23.10	Oct. 28	23.23		

A-27-49-4aa. U. S. Geol. Survey. Jetted observation well, diameter $\frac{3}{4}$ inch, depth 24 feet, cased with pipe. Highest water level 16.83 below lsd, Oct. 11, 1954; lowest 17.25 below lsd, Dec. 7, 1954. Records available: 1954. Replaces well A-28-49-35ca. Oct. 11, 16.83; Oct. 28, 16.89; Nov. 10, 16.97; Dec. 7, 17.25.

Stillwater County

D-2-23-29ba. Alvin Southworth. Drilled domestic well, diameter 6 inches, depth 24 feet, cased with steel. Highest water level 2.73 below lsd, Sept. 23, 1949; lowest 12.23 below lsd, May 24, 1950. Records available: 1947-54.

Jan. 26	8.93	Mar. 29	10.69	June 26	9.01	Nov. 3	5.85
Feb. 5	9.21	May 3	11.47	July 27	6.10	Dec. 13	7.35
23	9.81	25	11.14	Aug. 28	4.32	28	8.00

Sweet Grass County

A-4-14-14ba. Spike Van Cleave. Dug well in valley fill, diameter 30 inches, depth 16 feet, cribbed with stone. Highest water level 4.73 below lsd, June 11, 1947; lowest 14.78 below lsd, Mar. 30, 1954. Records available: 1947-54.

Feb. 2	14.53	May 26	6.66	Aug. 27	12.69	Dec. 2	12.10
23	14.50	June 29	6.59	Sept. 29	11.90	31	14.10
Mar. 30	14.78	July 28	11.04	Nov. 3	12.61		

Toole County

B-36-2-8cc. Cloyd Hannon. Dug domestic and stock well, diameter 4 1/3 feet, depth 17 feet, cribbed with wood. Highest water level 1.43 below lsd, June 6, 1953; lowest 10.53 below lsd, Feb. 13, 1950. Records available: 1947-54.

Jan. 27	7.35	Mar. 15	4.22	June 14	3.35	Oct. 4	7.50
Feb. 23	4.59	Apr. 21	2.85	July 18	5.45	Dec. 2	7.77
Mar. 5	4.31	May 28	3.58				

Yellowstone County

A-4-33-1aa. Cross Service Station. Drilled domestic well in irrigated alluvium, diameter 8 inches, depth 30 feet. Highest water level 7.20 below lsd, Nov. 11, 1953; lowest 11.85 below lsd, Apr. 15, 1954. Records available: 1947-54.

Jan. 5	10.49	Apr. 15	11.85	Aug. 5	7.80	Oct. 8	8.80
Feb. 9	10.75	May 6	11.43	Sept. 7	7.95	Dec. 6	9.89
Mar. 16	11.15	June 3	10.29				

OREGON

By Stuart G. Brown

Scope of Water-Level Program

The observation-well program in Oregon was continued in 1954 in cooperation with the State Engineer. Measurements for 100 wells are listed in this report, including 9 new wells in Yonna and Swan Lake Valleys (Klamath County) and 4 nonrecording gages. Measurements were discontinued in Linn County well 12/3W-9R1 and in Multnomah County well 2N/32-1Q1. Figures 19, 20, and 21 show the location of observation wells in western, central, and eastern Oregon, respectively. An investigation of ground-water conditions was begun in the East Portland and Multnomah County area and in the sand-dune area north of Coos Bay.

Precipitation

Precipitation for the State as a whole was 113 percent of the normal over the 1954 "water year." (A "water year" includes one wet season and the following dry season.) East of the Cascades, precipitation was 104 percent of normal; west of the Cascades, it was 122 percent of normal. The precipitation for the 1954 "water year" was computed at 17 stations. It ranged from 61 percent of normal in the Baker Valley to 130 percent of normal for The Poplars in the Fort Rock area. West of the Cascades, the highest deviation from normal occurred at Portland (126 percent of normal); the lowest occurred at Bandon (103 percent of normal). On a statewide basis, October was deficient in precipitation; the months of November, December, and January were normal or above normal. The months February through May were deficient, followed by a wet June, a deficient July, a wet August, and a deficient September.

Interpretation of Water-Level Fluctuations

The State of Oregon is divided into 4 provinces and 12 subprovinces according to climate, topography, and the occurrence of ground water. (See Water-Supply Paper 1020 for a description of the ground-water areas.)

Measurements of water levels in observation wells in Oregon are made at various times of the year in order to show the effects of pumping and seasonal changes in ground-water storage. Measurements are made in early spring before heavy pumping begins, during the pumping season, and at the end of the pumping season. Midwinter measurements show the position of the ground-water level before the normal spring recharge is evident in many of the wells. Certain water levels, such as those in the Fort Rock Basin wells of the Summer Lake subprovince in the south-central part of the State, apparently lag the precipitation by a period of 8 to 10 years. Water levels in wells in the Walla Walla Basin in the northeastern part of the State show the passage of the ground water through the materials of the alluvial fan as a wave, commonly having a very sharp rise and slow drop to the end of the "water year." The water levels are interpreted in relation to the "water year" which runs from October 1 to September 30 of the following year. Thus, at the end of the "water year," comparisons are made of the net change in water levels for the September or October of the current year with those of September or October of the previous year. For some wells, it is necessary to interpolate the water levels at the end of the "water year."

Consistently higher-than-normal precipitation in the areas west of the Cascade Mountains resulted in higher water levels in September 1954 than in October 1953. Water levels east of the Cascades do not show such a trend, the precipitation and withdrawals being nonuniformly distributed.

Willamette Valley subprovince.--September-end 1954 water levels in the Willamette Valley in the western part of Oregon were on an average 0.97 foot higher than in 1953, in response to the above-normal summer precipitation and the consequent decrease of irrigation and transpiration withdrawals. Washington County well 1/1W-21R1, in an area of heavy withdrawal, declined 13.21 feet from December 1953 to September 1954. Wells in the Willamette Valley are listed under Benton, Lane, Linn, Marion, Multnomah, Washington, and Yamhill Counties. (See fig. 19.)

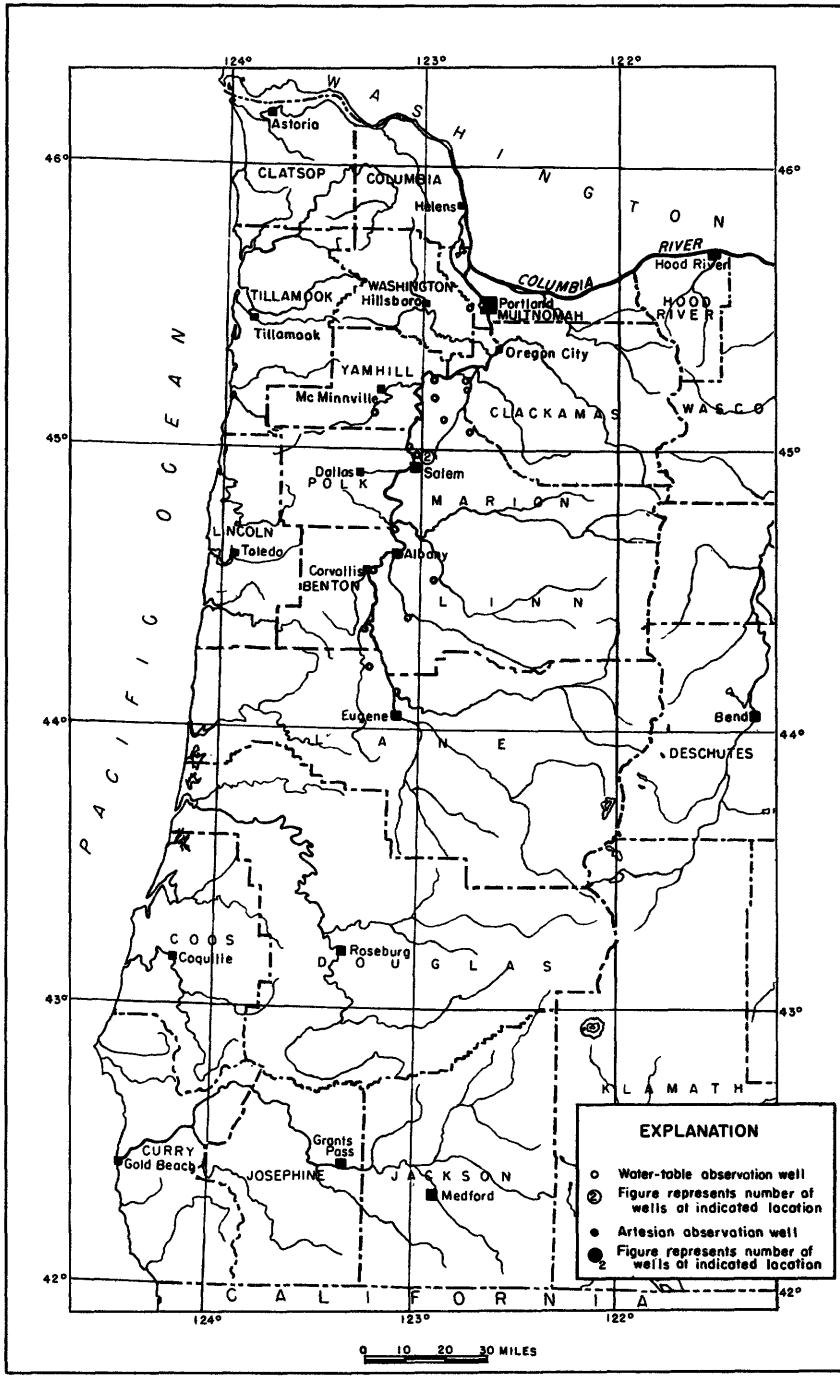


Figure 19. --Location of observation wells in western Oregon, 1954.

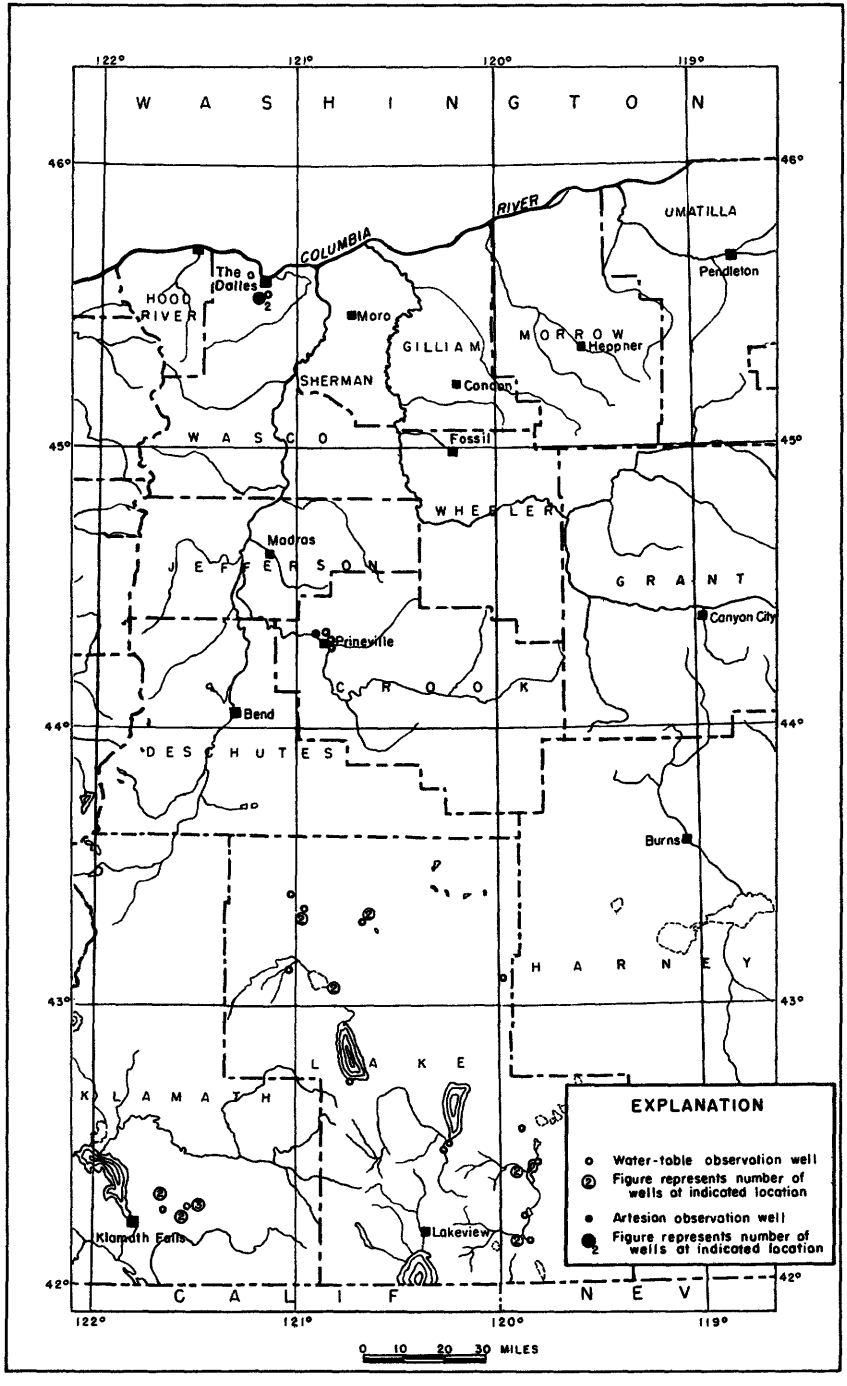


Figure 20. --Location of observation wells in central Oregon, 1954.

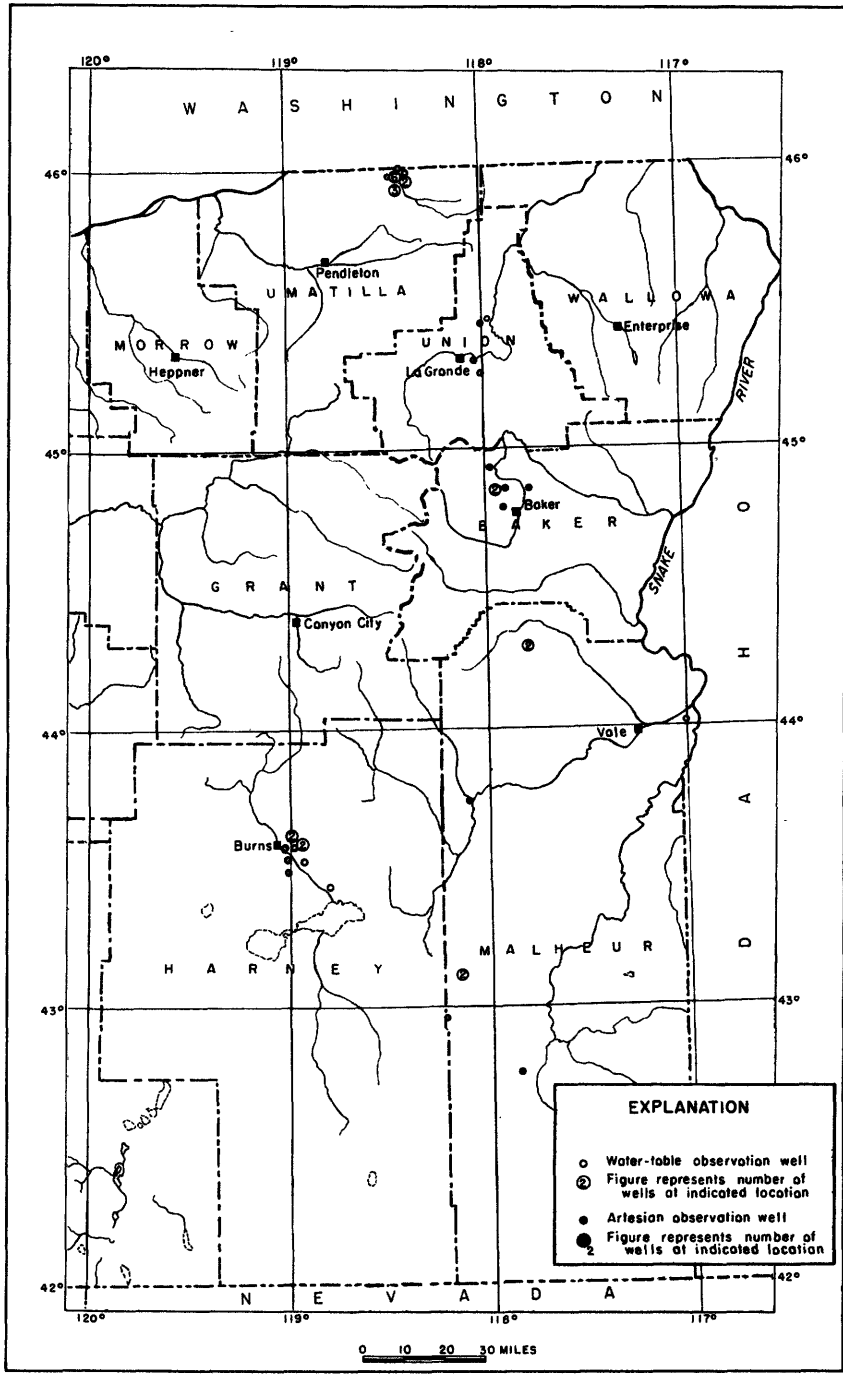


Figure 21.--Location of observation wells in eastern Oregon, 1954.

Deschutes River subprovince. --In the Deschutes River subprovince in the north-central part of the State (fig. 20) Crook County well 14/15-15Q1 in the Prineville area, outside the area of heavy withdrawals from the artesian aquifer, was 1.0 foot higher in September 1954 than in 1953. Crook County well 14/16-32N1, in the area of heavy pumping in Prineville, was 2.39 feet higher in September 1954 than in October 1953. Water level in Crook County well 14/16-19H1, drawing its water from the shallower unconfined zone, was 1.90 feet higher in September 1954 than at the end of the 1953 "water year." The water levels in the artesian aquifer in the Prineville area recovered in the summer during the prolonged lumber mill shutdown.

John Day subprovince. --Water-table wells in The Dalles area of the John Day subprovince in the north-central part of the State were on an average 5.50 feet lower in September 1954 than in 1953. Wells in The Dalles area are listed under Wasco County. (See fig. 20.) The head on Wasco County artesian well 1N/13-32G1 declined 21 feet, owing to prolonged pumping from which the well had not fully recovered at the time of measurement. Precipitation at The Dalles was above normal from November through January; all but two of the other months were deficient.

Walla Walla subprovince. --September levels in the wells near Milton-Freewater in the Walla Walla subprovince in the northeastern part of the State (fig. 21) showed an average 0.40 foot higher stage than in 1953. Wells in the Walla Walla Basin are listed under Umatilla County. (See fig. 21.) The yearly high observed in Umatilla County well 6N/35-36H1 in May was 2.56 feet above the high of May 1953. By contrast, the yearly peak discharge of the nearby Walla Walla River was 1,365 cfs (cubic feet per second) as compared to 1,450 cfs in 1953. The yearly precipitation at Milton was estimated to be about 97 percent average. February, May, and December were deficient; the other months were about normal.

Grande Ronde subprovince. --Observation wells in the Grande Ronde subprovince in the northeastern part of the State are listed under Baker and Union Counties. In the Baker area of the Powder River valley, September water levels were 0.31 foot lower than the 1953 October levels. The highest water level of 1954 in Baker County well 8/39-22G1 in February was 1.01 foot lower than the 1953 high recorded in January. A record low was reached in this well in September. Precipitation in Baker Valley, 61 percent of normal, was the lowest recorded for any of the 17 stations for which it was computed. In the Grande Ronde Valley (Union County), September water levels were 0.23 foot lower than in October 1953.

Owyhee River subprovince. --The water levels in the two observation wells in the Cow Valley area of the Owyhee River subprovince in the southeastern part of the State, drawing on stored water in a closed basin, have declined an average of 3.24 feet since the end of the 1953 pumping season. This decline is consistent with continuous overdrafts there. Malheur County well 18/47-17D1 in the Malheur River valley near Ontario rose 1.30 feet from October 1953 to September 1954. The water level in this well in part reflects the amount of irrigation in the area. Precipitation at Vale, about 15 miles west of Ontario, was about 80 percent of normal. Malheur County well 21/38-17Q1 at Juntura declined 0.21 foot from October 1953 to September 1954. In the southern part of the Owyhee subprovince, water levels declined an average of 0.81 foot from October 1953 to October 1954. The precipitation at Danner was about 79 percent of normal.

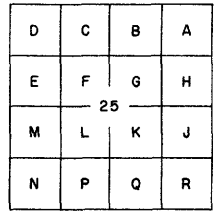
Summer Lake subprovince. --In the Fort Rock area of the Summer Lake subprovince in the south-central part of the State, there was a general rise of 0.18 foot in the levels in the water-table wells; however, Lake County well 28/14-23D1 showed a decline of 1.73 feet. The water level in Lake County well 27/15-4G1, an artesian well, rose to a new high in December 1954. Precipitation at The Poplars, 130 percent of normal, was the highest percentage deviation in the State. In the Chewaucan River valley, water levels were almost the same as in September 1953, the average net change being 0.08 foot.

In the Swan Lake and Yonna Valleys in Klamath County, water levels in wells tapping perched water declined an average of 0.23 foot; water-table wells declined an average of 0.18 foot; and artesian wells declined an average of 0.30 foot. (These are interpolated water levels.) Precipitation at Klamath Falls was 110 percent of normal. Water levels in some of these wells may reflect the heavy irrigation withdrawals during the summer months. Well 30/11½-32G1 is used both as an irrigation well and as a recharge well, utilizing the field drainage and the irrigation waste water as recharge. About 100 acre-feet per year is thus recharged.

Harney Basin subprovince. --Water levels in wells tapping water in unconfined condition in the Burns area of the Harney Basin subprovince in the southeastern part of the State were the same as in September 1953. In Harney County well 23/31-33E1 the yearly high on June 13 was 0.25 foot lower than the high of May 17, 1953. Precipitation at Burns was slightly above average. Wells in the Warner Valley area showed an average decline of 1.10 feet. Lake County well 38/24-27M1, tapping water in an artesian condition, flowed intermittently. In previous years, its water level has been slightly below land surface. Precipitation at Lakeview was about 107 percent of normal.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The segment before the hyphen indicates township and range; the one or two digits after the hyphen indicate the section; the letter indicates the 40-acre subdivision of the section, as shown in the diagram; and the final digit indicates the serial number of the well within the 40-acre tract. Locations in Oregon are referred to the Willamette baseline and meridian. If no letter appears after the township number, the township lies south of the baseline; if no letter appears after the range number, the range lies east of the meridian. Thus, well 3/38-25B1 is in the NW¼NE¼ sec. 25, T. 3 S., R. 38 E., and is the first well listed in this tract.



Well Descriptions and Water-Level Measurements

(Water levels are in feet below land-surface datum unless otherwise indicated.)

Baker County - Baker Valley

Grande Ronde subprovince
(For other wells in this subprovince see Union County.)

7/39-20N1. City of Baker. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 9 feet, cribbed with wood to bottom, perforated 12-inch steel casing 3-7. Land-surface datum is 3,373.8 feet above msl. Highest water level 1.33 below lsd, June 22, 1952; lowest 7.02 below lsd, Oct. 9, 1945. Records available: 1936, 1938-54. Jan. 22, 5.08; May 31, 5.19; July 8, 4.47; Sept. 11, 6.05.

8/39-22F1. Baker County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 11 feet, cribbed with wood to 9 feet, perforated 12-inch steel casing 7-11. Land-surface datum is 3,385.78 feet above msl. Highest water level 2.75 below lsd, Mar. 8, 1949; lowest 9.87 below lsd, Sept. 29, 1939. Records available: 1936, 1938-54. Jan. 22, 3.12; Mar. 31, 3.36; July 8, 4.74; Sept. 11, 5.99.

8/39-22G1. Florence Rohner. Dug unused water-table well in sand and gravel, diameter 12 inches, depth 11 feet. Land-surface datum is about 3,383 feet above msl. Highest water level 1.20 below lsd, Mar. 23, 1952; lowest 4.99 below lsd, Sept. 24, 1954. Records available: 1949-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	2.76	Apr. 9	3.09	July 9	3.78	Oct. 1	4.94
8	2.57	16	3.26	16	3.76	10	4.88
15	2.43	23	3.47	23	3.77	15	4.84
22	2.67	30	3.53	30	3.77	22	4.82
29	2.33	May 7	3.57	Aug. 6	3.76	29	4.77
Feb. 5	2.42	14	3.70	13	3.77	Nov. 5	4.73
12	2.26	21	3.72	20	3.77	12	4.71
19	2.45	28	3.78	27	3.77	19	4.63
26	2.72	June 4	3.79	Sept. 3	3.77	26	4.70
Mar. 5	2.82	11	3.79	10	3.79	Dec. 3	4.53
12	2.94	18	3.79	11	3.82	10	4.48
19	2.80	25	3.82	17	3.83	17	4.59
27	3.03	July 2	3.82	24	4.99	24	4.63
31	3.03	8	3.80	30	4.95	31	4.64
Apr. 2	3.05						

8/40-19D1. Baker County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 9 feet, cribbed with wood to bottom, perforated 12-inch steel casing 3-7. Land-surface datum is 3,341.95 feet above msl. Highest water level 0.74 below lsd, June 14, 1941; lowest 7.20 below lsd, Oct. 27, 1950. Records available: 1936, 1938-54. Jan. 22, 3.82; May 31, 2.87; July 8, 3.48; Sept. 11, 5.49.

8/40-23A1. Baker County. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 8 feet, screen 6-8. Land-surface datum is 3,347.28 feet above msl. Highest water level 0.00, June 22, 1952; lowest 5.90 below lsd, Dec. 8, 1939. Records available: 1936, 1938-47, 1949-54. Jan. 22, 3.37; Mar. 31, 2.97; July 8, 3.14; Sept. 11, 3.97.

9/39-2N1. Chris Lee. Drilled unused water-table well, diameter 12 inches, depth 321 feet, perforations 0-321. Land-surface datum is about 3,417 feet above msl. Highest water level 4.97 below lsd, Apr. 25, 1950; lowest 13.61 below lsd, Jan. 5, 15, 1950. Records available: 1949-54. Jan. 22, 11.81; May 31, 8.98; July 8, 7.76; Sept. 11, 10.72.

Benton County

Willamette Valley subprovince
(For other wells in this subprovince see Lane, Linn, Marion, Multnomah, Washington, and Yamhill Counties.)

14/5W-10R1. Chris Lindseth. Driven unused water-table well in alluvium, diameter 1¼ inches, depth 19 feet. Land-surface datum is 267.49 feet above msl. Highest water level 0.21 above lsd, Feb. 26, 1936; lowest 16.23 below lsd, Sept. 27, 1945. Records available: 1929-30, 1935-36, 1938-54. Mar. 25, 10.33; June 30, 13.76; Sept. 9, 14.90.

Crook County

Deschutes River subprovince
(For other wells in this subprovince see Wasco County.)

14/15-15Q1. M. D. Colahan. Drilled domestic and stock artesian well, diameter 4 inches, depth 210 feet. Land-surface datum is 2,846.8 feet above msl. Highest water level 73.5 above lsd, May 27, 1953; lowest 46.5 above lsd, July 23, 1946. Records available: 1944-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	+69.5	Mar. 21	+68.5	July 11	+63.5	Oct. 1	+66.5
25	68.5	31	68.5	13	56.5	11	65.5
30	69.5	Apr. 15	68.5	23	61.5	20	66.5
Feb. 5	69.5	19	67.0	31	63.5	Nov. 1	65.5
15	68.5	May 3	66.5	Aug. 1	62.5	15	65.5
22	67.5	10	66.5	16	60.5	21	64.5
Mar. 1	67.5	28	67.5	Sept. 17	64.5	27	65.5
8	68.0	June 1	69.5	24	65.5	Dec. 7	63.5
15	68.5	11	68.5				

14/16-19H1. Leslie Clausen. Drilled domestic water-table well in sandy material of Pleistocene age, diameter 6 inches, depth 47 feet. Land-surface datum is about 2,970 feet above msl. Highest water level 2.65 below lsd, Sept. 16, 1954; lowest 17.51 below lsd, Mar. 1948. Records available: 1947-54. Jan. 20, 9.35; Apr. 15, 15.15; July 13, 6.55; Sept. 16, 2.65.

14/16-32N1. E. E. Wagoner. Dunham and Sixth Sts., Prineville. Drilled unused artesian well, diameter 5 inches, depth 160 feet. Land-surface datum is 2,865.90 feet above msl. Highest water level 1.82 above lsd, Dec. 8, 1945; lowest 18.93 below lsd, Aug. 26, 1949. Records available: 1944-54. Jan. 20, 8.42; Apr. 15, 10.60; July 13, 16.73; Sept. 16, 6.56.

15/16-5D1. Pacific Power & Light Co. Court Ave. and Fourth St., Prineville. Driven public-supply water-table well in alluvium along Ochoco Creek, diameter 2 inches, depth 40 feet. Land-surface datum is about 2,865 feet above msl. Highest water level 5.20 below lsd, Apr. 15, 1952; lowest 8.46 below lsd, Sept. 16, 1954. Records available: 1947-54. Jan. 20, 7.65; Apr. 15, 7.16; Sept. 16, 8.46.

Harney County

Harney Basin subprovince

22/31-34N1. L. F. Lazaus. Drilled stock artesian well in Danforth formation, diameter 18 to 8 inches, depth 288 feet. Land-surface datum is 4,153.17 feet above msl. Highest water level 1.50 below lsd, Apr. 21, 1936; lowest 13.70 below lsd, Oct. 29, 1950. Records available: 1936-54. Jan. 21, 11.59; Apr. 16, 11.02; July 9, 9.80; Sept. 13, 12.10.

23/31-3D2. Harney County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 14 feet, cribbed with wood to 12, perforated 12-inch steel casing 10-14. Land-surface datum is 4,153.12 feet above msl. Highest water level 3.00 below lsd, June 11, 1945; lowest 9.32 below lsd, Feb. 18, 1936. Records available: 1936, 1938-54. Jan. 21, 7.35; Apr. 16, 4.66; July 9, 4.63; Sept. 13, 8.34.

23/31-14A3. Harney County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 17 feet, cribbed with wood to 14, perforated 12-inch steel casing 13-17. Land-surface datum is 4,142.55 feet above msl. Highest water level 1.50 below lsd, Apr. 16, 1952; lowest 13.20 below lsd, Jan. 15, 1936. Records available: 1936, 1938-54. Jan. 21, 9.10; Apr. 16, 2.66; July 9, 7.20; Sept. 13, 9.19.

23/31-16E1. Harney County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 14 feet, cribbed with wood to 11, perforated 12-inch steel casing 10-14. Land-surface datum is 4,146.30 feet above msl. Highest water level 0.80 below lsd, Apr. 16, 1952; lowest 9.10 below lsd, Jan. 15, 1936. Records available: 1936, 1938-54. Jan. 21, 7.07; Apr. 6, 5.05; July 9, 5.11; Sept. 13, 8.62.

23/31-33E1. Harney County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 13 feet, cribbed with wood to 10, perforated steel casing 9-13. Land-surface datum is 4,134.02 feet above msl. Highest water level 0.80 below lsd, May 17, 1953; lowest 8.07 below lsd, Nov. 22, 1953. Records available: 1936, 1938-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 1, 1953	6.42	Feb. 21, 1954	6.01	June 13, 1954	1.05	Sept. 19, 1954	6.27
8	6.73	26	6.06	20	1.34	26	6.38
15	7.04	Mar. 7	5.79	27	1.61	28	6.41
22	8.07	14	5.67	28	1.62	Oct. 3	6.52
28	6.93	21	5.68	July 4	1.84	10	6.60
Dec. 6	6.79	28	4.99	11	2.43	17	6.70
13	6.73	Apr. 4	3.72	18	2.93	24	6.80
20	6.62	11	3.36	25	3.64	28	6.91
27	6.45	18	2.40	28	3.91	Nov. 7	6.79
28	6.45	25	1.65	Aug. 1	4.30	14	6.93
Jan. 3, 1954	6.43	28	1.49	8	4.78	21	6.94
10	6.41	May 2	1.55	15	5.21	28	6.95
17	6.40	9	1.53	22	5.43	Dec. 5	6.97
24	6.34	16	1.55	28	5.65	12	6.00
28	6.36	23	1.54	Sept. 5	5.89	19	7.01
Feb. 7	6.23	28	1.45	12	6.09	26	7.03
14	6.17	June 6	1.12	13	6.11	28	7.04

23/32-7L1. Harney Branch Experiment Station. Bored observation water-table well in alluvium, diameter 3 inches, depth 12 feet. Land-surface datum is 4,135.24 feet above msl. Highest water level 0.00, June 19, 1952; lowest 9.30 below lsd, Mar. 2, 1931. Records available: 1929-54. Jan. 21, 6.52; Apr. 14, 6.50; Sept. 13, 4.27.

23/32-7L2. Harney Branch Experiment Station. Drilled irrigation artesian well in alluvium, diameter 18 inches, depth 93 feet, cased to 60. Land-surface datum is 4,135.24 feet above msl. Highest water level 2.56 below lsd, July 16, 1953; lowest 38.37 below lsd, July 30, 1931. Records available: 1928-54. Jan. 21, 4.95; Apr. 14, 3.94; Sept. 13, 7.85.

23/32-30R1. Harney County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 19 feet, cribbed with wood to 15, perforated 12-inch steel casing 15-19. Land-surface datum is 4,130.77 feet above msl. Highest water level 6.48 below lsd, June 21, 1952; lowest dry, July 9, Sept. 13, 1954. Records available: 1936, 1938-54. Jan. 21, 8.60; Apr. 16, 8.52; July 9, dry; Sept. 13, dry.

24/31-28E1. Harney County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 17 feet, cribbed with wood to 15, perforated 12-inch steel casing 13-17. Land-surface datum is 4,124.44 feet above msl. Highest water level 2.76 below lsd, Apr. 16, 1952; lowest 13.06 below lsd, Sept. 8, 1936. Records available: 1936, 1938-54. Jan. 21, 8.82; Apr. 16, 8.14; July 9, 8.08; Sept. 13, 8.18.

24/32-24R1. Harney County. Drilled observation water-table well in alluvium, diameter 1½ inches, depth 59 feet, with well point. Land-surface datum is 4,110 feet above msl; well drilled at site of previous well this number. Highest water level 42.42 below lsd, Apr. 16, 1954; lowest 51.83 below lsd, July 16, 1953. Records available: 1936, 1938-45, 1953-54. July 16, 1953, 51.83; Jan. 21, 1954, 42.71; Apr. 16, 42.42; July 8, 43.04; Sept. 13, 43.71.

Klamath County - Swan Lake and Yonna Valley

Summer Lake subprovince
(For other wells in this subprovince see Lake County.)

37/10-29K1. A. R. Devincenzi. Drilled stock perched water-table well, diameter 10 inches, depth 100 feet. Land-surface datum is approximately 4,187 feet above msl. Highest water level 8.47 below lsd, Apr. 19, 1954; lowest 13.52 below lsd, Nov. 19, 1949. Records available: 1949-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 20, 1949	9.98	Apr. 4, 1951	10.05	Sept. 4, 1952	11.62	Oct. 15, 1953	11.51
Aug. 22	10.43	Sept. 6	12.40	Dec. 27	12.57	Apr. 19, 1954	8.47
Nov. 19	13.52	Jan. 4, 1952	12.70	Apr. 2, 1953	9.71	July 27	9.87
Apr. 14, 1950	11.31	Apr. 22	10.22	15	9.65	Sept. 15	10.66
July 11	11.68	June 19	8.50	July 21	10.14	Dec. 17	11.68

37/10-29K2. A. R. Devincenzi. Drilled stock water-table well in gravel, diameter 18 inches, depth 800 feet. Land-surface datum is approximately 4,186 feet above msl. Highest water level 23.57 below lsd, Apr. 19, 1954; lowest 28.50 below lsd, Sept. 6, 1951. Records available: 1949-54.

Nov. 19, 1949	28.01	Sept. 6, 1951	28.50	Dec. 27, 1952	25.07	Oct. 15, 1953	24.77
Apr. 14, 1950	26.63	Apr. 22, 1952	25.38	Apr. 2, 1953	24.21	Apr. 19, 1954	23.57
July 11	27.55	June 19	25.14	15	24.25	July 27	24.21
Apr. 4, 1951	26.31	Sept. 4	25.58	July 21	24.53	Dec. 17	24.72

38/10-15N1. Klamath County. Drilled observation perched water-table well, diameter 5 inches, depth 74 feet. Land-surface datum is approximately 4,198 feet above msl. Highest water level 9.94 below lsd, Apr. 19, 1954; lowest 19.70 below lsd, Nov. 17, 1949. Records available: 1949-54.

July 18, 1949	18.38	Apr. 4, 1951	12.76	Sept. 4, 1952	13.22	Apr. 19, 1954	9.94
Aug. 22	18.58	Sept. 6	14.90	Apr. 2, 1953	10.94	July 27	13.26
Nov. 17	19.70	Apr. 22, 1952	10.20	July 21	12.00	Sept. 15	14.08
July 11. 1950	16.20	June 19	11.79	Oct. 15	13.74	Dec. 17	13.90
Nov. 13	17.13						

38/11½-12M2. Frank Challis. Drilled artesian well in red porous lava rock, diameter 12 inches, depth 150 feet. Land-surface datum is about 4,162 feet above msl. Highest water level 45.40 below lsd, July 21, Oct. 15, 1953; lowest 47.17 below lsd, July 11, 1950. Records available: 1949-54.

Aug. 22, 1949	46.58	Sept. 6, 1951	46.90	Dec. 28, 1952	46.00	Apr. 19, 1954	45.54
Apr. 15, 1950	46.95	Apr. 22, 1952	45.70	Apr. 2, 1953	45.51	July 27	c46.11
July 11	47.17	June 19	45.43	July 21	45.40	Sept. 15	45.64
Nov. 1	47.04	Sept. 4	45.45	Oct. 15	45.40	Dec. 17	46.20
Apr. 4, 1951	46.80						

c Nearby well being pumped.

38/11½-13G1. R. M. Robertson. Drilled irrigation artesian well in broken lava rocks and cinders, diameter 16 inches, depth 183 feet. Land-surface datum is about 4,159 feet above msl. Highest water level 43.15 below lsd, Dec. 17, 1954; lowest 49.48 below lsd, June 19, 1952. Records available: 1948-54.

Apr. 11, 1948	45.35	Nov. 1, 1950	45.19	June 19, 1952	49.48	Oct. 15, 1953	43.74
Aug. 6	45.11	Apr. 5, 1951	44.65	Sept. 4	44.30	Apr. 19, 1954	44.00
Aug. 22, 1949	44.97	Sept. 6	c45.02	Dec. 28	44.37	July 27	a49.95
Apr. 15, 1950	45.35	Jan. 4, 1952	45.36	Apr. 2, 1953	43.89	Sept. 15	43.97
July 11	a50.80	Apr. 22	43.98	July 21	b43.90	Dec. 17	43.15

a Pumping.
b Pumped recently.
c Nearby well being pumped.

38/11½-13N1. William Konig. Drilled perched water-table well in diatomaceous ash. diameter 16 inches, depth 600 feet. Land-surface datum is about 4.155 feet above msl. Highest water level 19.73 below lsd, Apr. 2, 1953; lowest 26.20 below lsd, July 11, 1950. Records available: 1948-54.

Apr. 2, 1948	22.55	Nov. 1, 1950	25.29	June 19, 1952	20.31	Oct. 15, 1953	22.96
July 18, 1949	24.84	Apr. 4, 1951	21.73	Sept. 4	22.55	Apr. 19, 1954	21.06
Aug. 22	25.28	Sept. 6	24.24	Dec. 28	21.41	July 27	23.34
Apr. 15, 1950	24.07	Jan. 4, 1952	23.57	Apr. 2, 1953	19.73	Sept. 15	23.27
July 11	26.20	Apr. 22	20.18	July 21	22.11	Dec. 17	23.20

38/11½-15R1. L. M. Hankins. Drilled irrigation artesian well in lava rock and cinders, diameter 21 inches, depth 495 feet. Land-surface datum is about 4,198 feet above msl. Highest water level 76.29 below lsd, Sept. 4, 1952; lowest 78.05 below lsd, Apr. 2, 1948. Records available: 1948, 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 2, 1948	78.05	Sept. 6, 1951	77.80	Dec. 27, 1952	76.88	Apr. 19, 1954	76.78
July 18	77.91	Apr. 22, 1952	76.83	Apr. 2, 1953	76.72	July 27	77.32
Apr. 15, 1950	77.90	June 19	76.31	July 21	a81.45	Sept. 15	76.83
July 11	a82.79	Sept. 4	76.29	Oct. 15	76.58	Dec. 17	77.41
Apr. 4, 1951	77.70						

a Pumping.

38/11½-30Q1. W. L. Whytall. Drilled irrigation water-table well in broken lava rock and cinders, diameter 14 inches, depth 175 feet. Land-surface datum is approximately 4,217 feet above msl. Highest water level 102.33 below lsd, Apr. 19, 1954; lowest 105.99 below lsd, Sept. 15, 1954. Records available: 1948-54.

Apr. 2, 1948	103.43	Sept. 6, 1951	b106.55	Sept. 4, 1952	105.33	Oct. 15, 1953	104.63
Nov. 19, 1949	104.84	Jan. 4, 1952	104.80	Dec. 28	103.43	Apr. 19, 1954	102.33
Apr. 15, 1950	104.12	Apr. 22	102.85	Apr. 2, 1953	102.46	Sept. 15	105.99
July 11	105.61	June 11	103.00	July 21	a117.61	Dec. 17	104.12
Apr. 4, 1951	103.80						

a Pumping.
b Pumped recently.

38/11½-32G1. L. L. Porterfield. Drilled irrigation and recharge artesian well in cinders, diameter 16 inches, depth 197 feet. Land-surface datum is 4,185 feet above msl. Approximately 100 acre-feet per year recharge. Highest water level 72.20 below lsd, Apr. 2, 1948; lowest 76.14 below lsd, July 27, 1954. Records available: 1948-54.

Apr. 2, 1948	72.20	July 11, 1950	a82.99	Jan. 4, 1952	75.17	July 21, 1953	j74.69
Aug. 6	74.47	Nov. 1	75.38	June 19	a80.59	Oct. 15	74.87
Aug. 22, 1949	a83.73	Apr. 5, 1951	74.21	Dec. 28	74.17	July 27, 1954	76.14
Apr. 14, 1950	a83.76	Sept. 6	j72.73	Apr. 2, 1953	72.76	Dec. 17	74.32

a Pumping.
j Recharging.

Lake County - Fort Rock Valley

Summer Lake subprovince

25/14-15E1. U. S. Soil Conservation Service. Drilled unused artesian well, diameter 18 inches, depth 220 feet. Land-surface datum is about 4,350 feet above msl. Highest water level 45.30 below lsd, Sept. 4, 1932; lowest 52.88 below lsd, Oct. 22, 1948. Records available: 1932, 1935-36, 1938-54. Jan. 20, 46.20; Apr. 18, 46.07; July 13, 49.40; Sept. 3, 45.60; Oct. 15, 45.60; Dec. 23, 45.37.

26/15-22B2. U. S. Soil Conservation Service. Drilled unused well in lacustrine sediments, diameter 12 inches, depth 83 feet. Land-surface datum is about 4,313 feet above msl. Highest water level 23.24 below lsd, Oct. 15, 1954; lowest 28.07 below lsd, Feb. 18, 1950. Records available: 1940-41, 1948-54. Jan. 20, 24.32; Apr. 18, 24.00; Sept. 3, 25.44; Oct. 15, 23.24; Dec. 23, 27.14.

27/15-4G1. M. Y. Parks. Drilled irrigation artesian well in basaltic agglomerate, diameter 16 inches, depth 257 feet. Land-surface datum is about 4,335 feet above msl. Highest water level 38.30 below lsd, Dec. 23, 1954; lowest 43.12 below lsd, Oct. 6, 1940. Records available: 1932, 1935-36, 1938-54. Jan. 20, 38.67; Apr. 14, 38.82; Oct. 15, 38.63; Dec. 23, 38.30.

27/15-4G2. M. Y. Parks. Drilled domestic and stock artesian well, diameter 8 inches, depth 100 feet. Land-surface datum is about 4,336 feet above msl. Highest water level 39.60 below lsd, Dec. 23, 1954; lowest 43.62 below lsd, Oct. 9, 1947. Records available: 1932, 1935-36, 1938-54. Jan. 20, 40.28; Apr. 14, 40.60; July 13, 40.40; Sept. 3, 42.25; Dec. 23, 39.60.

27/17-22R2. W. D. Collins. Drilled unused water-table well in sand, diameter 8 inches, depth 54 feet. Land-surface datum is about 4,325 feet above msl. Highest water level 25.04 below lsd, Oct. 15, 1954; lowest 28.28 below lsd, Aug. 5, 1948. Records available: 1938, 1940-44, 1946-54. Jan. 20, 26.12; Apr. 18, 25.87; July 13, 25.77; Oct. 15, 25.04; Dec. 23, 25.55.

27/18-6E2. Roy Moorehouse. Drilled unused water-table well, diameter 8 inches, depth 83 feet. Land-surface datum is about 4,317 feet above msl. Highest water level 22.57 below lsd, Sept. 15, 1943; lowest 25.19 below lsd, Apr. 1, 1953. Records available: 1940-54. Jan. 20, 25.11; Apr. 18, 25.00; July 13, 24.84; Oct. 15, 24.80; Dec. 23, 24.73.

27/18-7N1. Rolly Hardin. Dug unused water-table well in sand, size 4 by 4 feet, depth 40 feet. Land-surface datum is about 4,316 feet above msl. Highest water level 20.59 below lsd, Apr. 15, 1952; lowest 34.96 below lsd, July 4, 1949. Records available: 1938-54. Jan. 20, 25.19; Apr. 18, 24.54; July 13, 25.00; Sept. 3, 25.57; Oct. 15, 24.50.

28/14-23D1. Dudley S. Long. Dug unused water-table well in lake deposits, size 4 by 4 feet, depth 26 feet. Land-surface datum is about 4,343 feet above msl. Highest water level 6.29 below lsd, June 18, 1952; lowest 15.97 below lsd Feb. 17, 1950. Records available: 1949-54. Jan. 20, 11.53; Apr. 18, 7.61; July 13, 7.55; Dec. 23, 14.13.

29/16-9D1. Sid Harris. Drilled stock artesian well in sand, diameter 6 inches, depth 320 feet. Land-surface datum is about 4,302 feet above msl. Highest water level 6.73 below lsd, Dec. 23, 1954; lowest 10.01 below lsd, Feb. 17, 1950. Records available: 1949-54. Jan. 20, 7.35; Dec. 23, 6.73.

29/16-9D2. Sid Harris. Drilled stock water-table well in sand, diameter 8 inches, depth 55 feet. Land-surface datum is about 4,302 feet above msl. Highest water level 0.12 below lsd, Dec. 23, 1954; lowest 14.00 below lsd, July 12, 1950. Records available: 1949-54. Dec. 23, 0.12.

29/23-3J1. U. S. Soil Conservation Service. Drilled unused well in playa sediments of Pleistocene age, diameter 8 inches, depth 177 feet. Land-surface datum is about 4,225 feet above msl. Highest water level 18.43 below lsd, Oct. 11, 1945; lowest 19.11 below lsd, Sept. 5, 1951, Oct. 15, 1953. Records available: 1945, 1947-54. Jan. 21, 19.06; Apr. 17, 18.95; July 11, 18.94; Sept. 15, 19.00.

33/17-5M1. W. H. Harvey. Drilled unused artesian well in valley fill, diameter 6 inches, depth 560 feet. Land-surface datum is about 4,295 feet above msl. Highest water level 15.00 below lsd, July 19, 1953; lowest 25.95 below lsd, Feb. 17, 1950. Records available: 1948-54. Apr. 18, 23.14; July 12, 20.79; Sept. 16, 20.94.

35/21-21P1. Del Overton. Drilled domestic and stock water-table well, diameter 3 inches. Land-surface datum is about 4,280 feet above msl. Highest water level 19.12 below lsd, June 20, 1952; lowest 21.85 below lsd, Mar. 22, 1951. Records available: 1948, 1950-54. Apr. 17, 19.88; July 11, 20.10; Sept. 15, 20.24.

35/24-9J1. U. S. Bureau of Land Management. Drilled unused artesian well in basalt, diameter 8 inches, depth 376 feet. Land-surface datum is about 4,525 feet above msl. Highest water level 7.53 below lsd, Apr. 1, 1953; lowest 8.77 below lsd, July 9, 1950. Records available: 1949-54. Jan. 25, 7.64; Apr. 18, 7.58; July 12, 7.87; Sept. 15, 8.16.

36/21-6B1. S. V. Carroll. Dug unused water-table well in sand, size 8 by 8 feet, depth 21 feet. Land-surface datum is 4,321.6 feet above msl. Highest water level 11.08 below lsd, July 18, 1953; lowest 17.21 below lsd, Aug. 27, 1938. Records available: 1938-54. Jan. 21, 11.64; Apr. 17, 11.27; July 11, 11.17; Sept. 15, 11.15.

36/24-28M1. J. P. Eagan. Drilled domestic water-table well in gravel, diameter 6 inches, depth 40 feet. Land-surface datum is about 4,512 feet above msl. Highest water level 17.95 below lsd, June 19, 1952; lowest 26.06 below lsd, Jan. 5, 1952. Records available: 1948-54. Apr. 18, 21.22; July 12, 20.23; Sept. 15, 23.63.

36/24-32A1. Thomas J. Murphy. Dug stock and irrigation water-table well in gravel, size 4 by 4 feet, depth 23 feet. Land-surface datum is about 4,512 feet above msl. Highest water level 10.79 below lsd, June 19, 1952; lowest 19.75 below lsd, Oct. 29, 1940. Records available: 1940, 1948-54. Jan. 25, 16.56; Apr. 18, 13.40; July 12, 13.00; Sept. 15, 15.66.

36/25-19A1. U. S. Fish and Wildlife Service. Dug unused water-table well in sand, gravel, and cobbles, diameter 24 inches, depth 6 feet. Land-surface datum is about 4,474 feet above msl. Highest water level 1.38 below lsd, Apr. 16, 1952; lowest 3.47 below lsd, Feb. 13, 1950. Records available: 1948-54. Jan. 25, 2.24; Apr. 18, 1.63; July 12, 2.28; Sept. 15, 2.37.

38/24-27M1. Charles Crump. Drilled unused artesian well in gravel, diameter 6 inches, depth 81 feet. Land-surface datum is about 4,495 feet above msl. Highest water level flowing Apr. 16, June 19, Sept. 5, 1952, Apr. 1, 1953, Jan.-Sept., 1954; lowest 0.64 below lsd, Nov. 13, 1949. Records available: 1948-54. Jan. 25, flowing; Apr. 18, flowing; July 12, flowing; Sept. 15, flowing.

39/24-21F2. J. G. Dyke. Drilled domestic water-table well in gravel, diameter 12 inches, depth 165 feet. Land-surface datum is about 4,542 feet above msl. Highest water level 10.84 below lsd, July 9, 1950; lowest 18.96 below lsd, Apr. 18, 1954. Records available: 1948-54. Jan. 25, 18.89; Apr. 18, 18.96; July 12, 16.59; Sept. 15, 17.60.

39/24-21F3. J. G. Dyke. Dug domestic water-table well in gravel, size 6 by 6 feet, depth 16 feet. Land-surface datum is about 4,540 feet above msl. Highest water level 10.28 below lsd, July 9, 1950; lowest 17.67 below lsd, Sept. 15, 1954. Records available: 1948-54. Jan. 25, 17.30; Apr. 18, 15.70; July 12, 14.46; Sept. 15, 17.67.

39/24-35D1. Ellen Cahill. Drilled domestic artesian well in valley fill, diameter 4 inches, depth 26 feet. Land-surface datum is about 4,475 feet above msl. Highest water level 0.62 below lsd, July 12, 1954; lowest 6.21 below lsd, Nov. 13, 1949. Records available: 1948-54. Apr. 18, 3.64; July 12, 0.62.

Lane County

Willamette Valley subprovince
(For other wells in this subprovince see Benton, Linn, Marion, Multnomah, Washington, and Yamhill Counties.)

15/4W-32M1. Junction City. Dug water-table well in gravel, diameter 8 feet, depth 20 feet, cribbed with brick to bottom. Land-surface datum is 323.4 feet above msl. Highest water level 3.36 below lsd, Dec. 22, 1953; lowest 11.18 below lsd, Sept. 29, 1951. Records available: 1928-30, 1935-36, 1938-54. Mar. 25, 5.50; June 30, 8.63; Sept. 9, 10.83; Oct. 31, 10.72; Nov. 27, 9.17; Dec. 21, 8.39.

16/3W-32G1. Leo Sidwell. Dug irrigation water-table well in young alluvium, diameter 4 feet, depth 19 feet, cribbed with concrete tile. Land-surface datum is 388.98 feet above msl. Highest water level 6.53 below lsd, Jan. 16, 1936; lowest 12.98 below lsd, Oct. 31, 1935. Records available: 1928-30, 1935-36, 1938-54. Mar. 25, 9.93; June 30, 11.46; Sept. 9, 12.42; Oct. 30, 12.07; Dec. 21, 11.00.

Linn County

Willamette Valley subprovince
(For other wells in this subprovince see Benton, Lane, Marion, Multnomah, Washington, and Yamhill Counties.)

10/4W-12F1. Henry Hoefer. Dug domestic water-table well in gravel, diameter 24 inches, depth 25 feet, cribbed with concrete tile to bottom. Land-surface datum is 185.74 feet above msl. Highest water level 7.62 below lsd, Jan. 14, 1936; lowest 24.34 below lsd, Sept. 11, 1952. Records available: 1928-30, 1935-36, 1938-54. Mar. 26, 18.35; June 30, 19.44; Sept. 9, 24.17; Oct. 30, 22.62; Dec. 21, 19.36.

11/5W-36Q1. E. L. Beach. Drilled unused water-table well in alluvium, diameter 8 inches, depth 42 feet. Land-surface datum is 218.27 feet above msl. Highest water level 7.78 below lsd, Dec. 21, 1929; lowest dry, June-Dec., 1954. Records available: 1928-30, 1935-36, 1938-54. Mar. 25, 18.51; June 30, dry; Sept. 9, dry; Oct. 31, dry; Dec. 21, dry.

12/2W-14B1. Sigurd H. Lanstrom. Dug irrigation water-table well in alluvium, size 5 by 5 feet, depth 16 feet, concrete wall to bottom. Land-surface datum is about 346 feet above msl. Highest water level 3.99 below lsd, Dec. 22, 1953; lowest 11.22 below lsd, Oct. 27, 1942. Records available: 1941-54. Mar. 26, 7.71; June 30, 9.81; Sept. 9, 9.86; Oct. 30, 9.30; Dec. 21, 7.95.

12/3W-9R1. J. H. Swatzka. Dug domestic water-table well in alluvium, diameter 30 inches, depth 19 feet, cribbed with concrete to bottom. Land-surface datum is 272.79 feet above msl. Highest water level 1.70 below lsd, Feb. 23, 1930; lowest 17.89 below lsd, Sept. 24, 1946. Records available: 1928-30, 1935-36, 1938-53. Measurement discontinued.

13/3W-34N1. Keeney School, District 51. Driven unused water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 12 feet, screen 10-12. Land-surface datum is 285.0 feet above msl. Highest water level 0.67 below lsd, Jan. 10, 1936; lowest 9.43 below lsd, Dec. 6, 1938. Records available: 1928-30, 1935-36, 1938-46, 1950-54. Mar. 25, 2.94; June 30, 4.81; Sept. 9, 7.03; Oct. 30, 6.25; Dec. 21, 2.59.

Malheur County

Owyhee River subprovince

15/40-2H1. Max Holloway. Drilled irrigation well in gravel, diameter 12 inches, depth 421 feet. Land-surface datum is about 3,900 feet above msl. Highest water level 18.28 below lsd, Mar. 18, 1951; lowest 27.12 below lsd, Sept. 12, 1954. Records available: 1950-54. Jan. 22, 22.43; Apr. 15, 21.30; July 8, 24.83; Sept. 12, 27.12.

15/40-2N1. Rankin Crow. Drilled irrigation well in gravel, diameter 10 inches, depth 178 feet. Land-surface datum is about 3,900 feet above msl. Highest water level 31.06 below lsd, Mar. 18, 1951; lowest 40.98 below lsd, Sept. 12, 1954. Records available: 1950-54. Jan. 22, 37.14; Apr. 15, 36.40; July 8, 64.34, pumping; Sept. 12, 40.98.

18/47-17D1. Earl Weaver. Drilled domestic water-table well, diameter 3 inches, depth 135 feet. Land-surface datum is about 2,160 feet above msl. Highest water level 6.91 below lsd, Sept. 9, 1952; lowest 11.52 below lsd, Apr. 16, 1954. Records available: 1950-54. Jan. 23, 10.95; Apr. 16, 11.52; July 8, 8.55; Sept. 12, 7.60.

21/38-17Q1. Charles Wilson. Dug irrigation water-table well in gravel, diameter 12 inches, depth 14 feet, cribbed with concrete tile to bottom. Land-surface datum is about 2,960 feet above msl. Highest water level 3.07 below lsd, June 23, 1952; lowest 11.18 below lsd, Apr. 16, 1954. Records available: 1945-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	9.51	Aug. 2	6.18	Sept. 20	5.24	Nov. 2	6.00
Apr. 16	11.18	10	6.18	Oct. 1	5.23	15	6.18
July 1	6.24	18	6.18	2	5.24	25	6.18
9	5.34	Sept. 1	6.00	12	5.24	Dec. 2	6.18
10	6.23	10	6.00	20	5.23	15	6.21
17	6.23	13	5.30	28	5.24	26	6.24
25	6.18						

28/37-23R1. Earl Obenchain. Dug domestic water-table well in gravel, diameter 4 feet, depth 30 feet, cribbed with rock to bottom. Land-surface datum is about 4,060 feet above msl. Highest water leve. 3.30 below lsd, Apr. 17, 1952; lowest 14.14 below lsd, Oct. 28, 1950. Records available: 1950-54. Jan. 24, 8.53; Apr. 17, 3.96; July 10, 9.50; Sept. 14, 13.58.

28/37-25F1. Earl Obenchain. Drilled stock water-table well in gravel, diameter 4 inches, depth 96 feet, cased to 70. Land-surface datum is about 4,060 feet above msl. Highest water level 55.08 below lsd, Jan. 24, 1954; lowest 57.73 below lsd, Aug. 15, 1951. Records available: 1950-54. Jan. 24, 55.08; Apr. 17, 55.70; July 10, 55.48; Sept. 14, 55.58.

29/37-19A1. George Renick. Drilled unused well, diameter 6 inches, depth 201 feet. Land-surface datum is about 4,067 feet above msl. Highest water level 85.23 below lsd, Dec. 30, 1952; lowest 85.84 below lsd, Apr. 17, 1952. Records available: 1950-54. Jan. 24, 85.42; Apr. 17, 85.78; July 10, 85.59; Sept. 14, 85.57.

32/40-18K1. Keith Wallace. Drilled domestic and public-supply artesian well in volcanic rock, diameter 6 inches, depth 358 feet, cased to 160. Land-surface datum is about 4,000 feet above msl. Highest water level 235.20 below lsd, July 9, 1954; lowest 239.16 below lsd, Jan. 24, 1954. Records available: 1950-54. Jan. 24, 239.16; Apr. 17, 235.75; July 9, 235.20; Sept. 14, 235.77.

Marion County

Willamette Valley subprovince
(For other wells in this subprovince see Benton, Lane, Linn, Multnomah, Washington, and Yamhill Counties.)

4/1W-2C1. W. F. Keil. Drilled domestic water-table well in valley fill, diameter 10 inches, depth 26 feet. Land-surface datum is 186.69 feet above msl. Highest water level 0.65 below lsd, Dec. 9, 1948; lowest 21.66 below lsd, Mar. 20, 1939. Records available: 1928-30, 1935-36, 1938-54. Mar. 16, 1.29; June 29, 11.08; Sept. 8, 15.83; Oct. 30, 13.04.

4/1W-23G1. Julius Sather. Dug unused water-table well in alluvium, diameter 4 feet, depth 60 feet, cribbed with brick to bottom. Land-surface datum is about 175 feet above msl. Highest water level 44.78 below lsd, June 7, 1951; lowest 57.82 below lsd, Sept. 28, 1945. Records available: 1945-54. Mar. 16, 53.00; June 29, 51.79; Sept. 8, 51.48; Oct. 30, 51.34; Dec. 20, 51.85.

4/2W-4C1. W. J. Gering. Dug domestic water-table well in alluvium, diameter 36 inches, depth 23 feet, cribbed with concrete tile to bottom. Land-surface datum is 123.57 feet above msl. Highest water level 7.46 below lsd, Mar. 26, 1951; lowest 19.90 below lsd, Dec. 5, 1939. Records available: 1928-30, 1935-36, 1938-54. Mar. 16, 7.93; June 29, 11.63; Sept. 8, 14.11; Oct. 30, 15.80; Dec. 20, 12.78.

4/2W-34R1. Johnson School. Dug unused water-table well in alluvium, diameter 18 inches, depth 20 feet, cribbed with concrete fill to bottom. Land-surface datum is 172.86 feet above msl. Highest water level 0.71 below lsd, Dec. 9, 1948; lowest 18.52 below lsd, Dec. 5, 1939. Records available: 1928-30, 1935-36, 1938-54. Mar. 16, 2.90; June 29, 10.68; Sept. 8, 16.38; Oct. 30, 16.45; Dec. 20, 3.55.

5/2W-25M1. Agricultural Research Corp. (Sam H. Brown). Drilled irrigation artesian well in sand and gravel, diameter 18 to 6 inches, depth 252 feet, casing perforated 117-147, 215-245. Land-surface datum is 180.31 feet above msl. Highest water level 13.74 below lsd, Mar. 11, 1948; lowest 25.04 below lsd, Sept. 10, 1952. Records available: 1929-30, 1935-36, 1938-54. Mar. 16, 14.93; June 29, 20.55; Sept. 8, 24.77; Oct. 30, 23.70; Dec. 20, 18.69.

6/3W 33R1. Gideon E. Stolz. Drilled unused water-table well in gravel and cobbles, diameter 8 to 6 inches, depth 57 feet, perforated at bottom. Land-surface datum is 133.14 feet above msl. Highest water level 17.19 below lsd, Mar. 26, 1951; lowest 28.28 below lsd, Oct. 16, 1935. Records available: 1929-30, 1935-36, 1938-54. Mar. 16, 17.30; June 29, 23.92; Sept. 8, 27.08; Oct. 30, 27.81; Dec. 20, 24.51.

6/1-7M1. Fred Lucht. Dug unused water-table well in gravel, diameter 36 inches, depth 21 feet, cribbed with brick. Land-surface datum is 260.38 feet above msl. Highest water level 0.25 below lsd, Feb. 2, 1930; lowest 17.50 below lsd, Dec. 5, 1939. Records available: 1928-30, 1935-36, 1938-54. Mar. 16, 1.30; June 29, 6.97; Sept. 8, 10.44; Oct. 30, 7.88; Dec. 20, 1.28.

7/3W-11D2. F. G. Kurtz. Drilled public-supply water-table well in sand and gravel, diameter 8 inches, depth 67 feet, perforations 45-50, 60-67. Land-surface datum is about 140 feet above msl. Highest water level 8.90 below lsd, Mar. 16, 1954; lowest 19.35 below lsd, Dec. 23, 1952. Records available: 1947-54. Mar. 16, 8.90; June 29, 13.69, pumping; Sept. 8, 16.60; Oct. 30, 18.51; Dec. 20, 16.51.

7/3W-11G1. Frank Parkhurst. 1170 Candlewood Drive, North Salem. Drilled domestic water-table well in sand and gravel, diameter 4 inches, depth 44 feet. Land-surface datum is 144.19 feet above msl. Highest water level 10.92 below lsd, Mar. 16, 1954; lowest 19.50 below lsd, Dec. 23, 1952. Records available: 1947-54. Mar. 16, 10.92; June 29, 20.09, pumping; Sept. 8, 14.74; Oct. 30, 15.79; Dec. 21, 16.47.

Multnomah County

Willamette Valley subprovince

(For other wells in this subprovince see Benton, Lane, Linn, Marion, Washington, and Yamhill Counties.)

1N/1-34N1. Weisfield & Goldberg. SW. Sixth Ave. and Washington St., Portland. Drilled industrial water-table well in alluvium, diameter 8 inches, depth 155 feet. Land-surface datum is 37.20 feet above msl. Highest water level 24.24 below lsd, June 30, 1943; lowest 37.43 below lsd, Aug. 31, 1950. Records available: 1940-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	28.47	Apr. 30	29.10	July 27	a30.10	Nov. 1	29.20
Mar. 1	28.74	June 2	a28.78	Sept. 1	a32.79	Dec. 2	30.10
31	29.45	July 1	a28.79	Oct. 1	a32.80	31	29.37

a Pumping.

Umatilla County

Walla Walla subprovince

2N/32-1Q1. E. C. Ralls. Dug unused water-table well in alluvium, size 4 by 4 feet, depth 8 feet, cribbed with wood to bottom. Land-surface datum is about 1,117 feet above msl. Highest water level 5.86 below lsd, June 25, 1952; lowest 6.47 below lsd, Sept. 10, 1952, Mar. 26, 1953. Records available: 1945, 1947-53. Measurement discontinued.

5N/35-1C1. John Clark. Dug irrigation water-table well in gravel, size 6 by 8 feet, depth 37 feet. Land-surface datum is 995.60 feet above msl. Highest water level 13.22 below lsd, Dec. 19, 1946; lowest 35.43 below lsd, Feb. 16, 1937. Records available: 1933-54.

Feb. 13	26.32	May 4	23.23	Aug. 16	26.38	Nov. 2	24.66
Mar. 10	25.88	June 9	21.10	Sept. 17	27.88	Dec. 12	26.50
Apr. 2	16.80	July 17	24.44				

5N/35-2C1. E. J. McSherry. Dug irrigation water-table well in alluvium, size 5 by 5 feet, depth 23 feet. Land-surface datum is 975.82 feet above msl. Highest water level 9.91 below lsd, Nov. 28, 1949; lowest 26.01 below lsd, Jan. 25, 1951. Records available: 1933-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 13	19.40	May 4	16.93	Aug. 16	23.56	Nov. 2	17.18
Mar. 11	19.18	June 9	14.06	Sept. 17	14.69	Dec. 23	20.16
Apr. 2	18.70	July 12	13.19				

5N/35-3H1. Walter Miller. Dug domestic water-table well in alluvium, size 42 by 42 inches, depth 37 feet, cribbed with concrete to bottom. Land-surface datum is 958.20 feet above msl. Highest water level 15.00 below lsd, Aug. 21, 1950; lowest dry at various times, 1952-54. Records available: 1933-54.

Feb. 13	(f)	May 4	27.25	Aug. 16	15.05	Nov. 2	37.12
Mar. 10	(f)	June 9	20.45	Sept. 17	19.37	Dec. 23	(f)
Apr. 2	(f)	July 12	17.45				

f Dry.

6N/35-14L1. Conrad Miller. Dug unused water-table well in alluvium, diameter 7 feet, depth 15 feet, cribbed with concrete to 8. Land-surface datum is 789.76 feet above msl. Highest water level 3.48 below lsd, Mar. 12, 1940; lowest 10.97 below lsd, Aug. 11, 1945. Records available: 1933-54.

Feb. 13	8.91	May 4	8.38	Aug. 16	7.52	Nov. 2	8.32
Mar. 10	9.24	June 9	6.52	Sept. 17	7.86	Dec. 23	8.82
Apr. 2	9.45	July 12	7.63				

6N/35-20G1. McBride. Dug irrigation water-table well in gravel, size 5 by 5 feet, depth 18 feet. Land-surface datum is 736.32 feet above msl. Highest water level 1.08 below lsd, July 5, 1933; lowest dry, May 4, Aug. 16, Sept. 17, 1954. Records available: 1933-54.

Feb. 13	8.02	May 4	(f)	Aug. 16	(f)	Nov. 2	6.72
Mar. 10	9.63	June 9	20.92	Sept. 17	(f)	Dec. 23	4.84
Apr. 2	10.44	July 12	5.39				

f Dry.

6N/35-20Q1. R. P. Lile. Dug irrigation water-table well in gravel, size 5 by 5 feet, depth 38 feet. Land-surface datum is 762.89 feet above msl. Highest water level 9.51 below lsd, July 12, 1954; lowest dry, Aug. 31, Sept. 3, 1953, Feb. 13, Mar. 11, Apr. 2, Sept. 7, 1954. Records available: 1933-54.

Feb. 13	(f)	May 4	36.50	Aug. 16	35.51	Nov. 2	33.33
Mar. 11	(f)	June 9	31.20	Sept. 17	(f)	Dec. 23	32.14
Apr. 2	(f)	July 12	9.51				

f Dry.

6N/35-24Q1. Everett Miller. Dug and drilled irrigation water-table well in gravel, size 6 by 6 feet, to 10-inch diameter, depth 165 feet. Land-surface datum is 864.30 feet above msl. Highest water level 7.65 below lsd, July 29, 1948; lowest 24.10 below lsd, Aug. 11, 1936. Records available: 1933-54.

Feb. 13	10.50	May 4	10.55	Aug. 16	17.63	Nov. 2	14.00
Mar. 10	11.06	June 9	9.57	Sept. 17	13.20	Dec. 23	11.08
Apr. 2	11.58	July 12	15.40				

6N/35-26C2. Earl Ransom. Dug and drilled irrigation water-table well in gravel, size 6 by 6 feet, to 8-inch diameter, depth 46 feet. Land-surface datum is 867.12 feet above msl. Highest water level 7.81 below lsd, May 25, 1939; lowest 28.75 below lsd, Apr. 26, 1941. Records available: 1933-54.

Feb. 13	22.96	May 4	18.92	Aug. 16	17.34	Nov. 2	19.65
Mar. 10	24.52	June 9	9.69	Sept. 17	14.97	Dec. 23	24.08
Apr. 2	26.72	July 12	15.18				

6N/35-28H1. W. J. Rand. Dug irrigation water-table well in gravel, size 4 by 4 feet, depth 16 feet, cribbed with wood to 12. Land-surface datum is 829.06 feet above msl. Highest water level 8.47 below lsd, June 5, 1945; lowest 17.21 below lsd, Feb. 10, 1942. Records available: 1933-54.

Feb. 13	14.57	May 4	11.70	Aug. 16	10.67	Nov. 2	10.25
Mar. 10	15.82	June 9	9.65	Sept. 17	10.30	Dec. 23	11.27
Apr. 2	15.39	July 12	9.47				

6N/35-28N1. Lottie McKnight. Dug unused water-table well in alluvium, size 7 by 7 feet, depth 37 feet, cribbed with concrete to 16. Land-surface datum is 817.01 feet above msl. Highest water level 5.20 below lsd, June 23, 1952; lowest 29.08 below lsd, Mar. 2, 1949. Records available: 1933-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 13	26.34	May 4	18.26	Aug. 16	16.64	Nov. 2	11.80
Mar. 10	27.42	June 9	8.46	Sept. 17	18.00	Dec. 23	17.90
Apr. 2	27.05	July 12	9.91				

6N/35-30M1. Thad Shepherd. Dug domestic water-table well in gravel, size 5 by 5 feet, depth 30 feet, cribbed with concrete to 10. Land-surface datum is 687.21 feet above msl. Highest water level 11.10 below lsd, June 25, 1946; lowest 36.19 below lsd, Apr. 2, 1953. Records available: 1933-54.

Feb. 13	22.21	May 4	25.93	Aug. 16	25.78	Nov. 2	23.71
Mar. 10	26.35	June 9	16.43	Sept. 17	27.42	Dec. 23	14.57
Apr. 2	27.35	July 12	18.81				

6N/35-34C1. Alpha Reese Estate. Dug irrigation water-table well in gravel, size 8 by 8 feet, depth 54 feet, cribbed with concrete to 20. Land-surface datum is 881.55 feet above msl. Highest water level 13.65 below lsd, May 24, 1939; lowest 52.63 below lsd, Jan. 31, 1952. Records available: 1933-54.

Feb. 13	51.45	May 4	45.16	Aug. 16	49.35	Nov. 2	40.86
Mar. 10	49.80	June 9	14.80	Sept. 17	35.76	Dec. 23	50.02
Apr. 2	51.37	July 12	33.44				

6N/35-36C1. Mr. Redfern. Dug irrigation water-table well in gravel, size 5 by 5 feet, depth 40 feet, cribbed with concrete to 25. Land-surface datum is 925.95 feet above msl. Highest water level 8.75 below lsd, June 12, 1950; lowest 40.75 below lsd, Apr. 11, 1942. Records available: 1933-54.

Feb. 13	32.27	May 4	22.66	Aug. 16	33.11	Nov. 2	30.12
Mar. 10	31.84	June 9	17.63	Sept. 17	31.11	Dec. 23	a30.59
Apr. 2	35.88	July 12	29.60				

a Pumping.

6N/35-36H1. Walter Herman. Dug domestic well in gravel, size 4 by 4 feet, depth 44 feet, cribbed with concrete to 18. Land-surface datum is 929.75 feet above msl. Highest water level 5.88 below lsd, June 20, 1933; lowest 42.80 below lsd, Apr. 11, 1941. Records available: 1933-54.

Jan. 3	29.75	Mar. 29	38.49	June 28	14.72	Sept. 28	22.85
6	30.33	Apr. 1	38.74	29	19.25	Oct. 2	23.88
11	30.83	2	38.83	July 2	15.07	6	24.80
16	31.21	4	38.99	6	14.85	10	25.41
19	31.61	9	39.39	8	17.87	15	26.32
21	31.89	12	39.49	14	16.37	19	27.84
25	32.37	19	39.50	17	16.77	22	28.61
28	32.75	23	36.68	22	18.13	25	29.24
Feb. 2	33.07	28	33.92	26	18.93	29	30.01
6	33.26	May 4	28.89	29	19.25	Nov. 2	30.55
10	33.54	7	26.71	Aug. 2	19.11	5	30.85
13	33.91	11	21.86	5	19.11	9	31.10
15	34.14	13	19.76	11	21.51	13	31.10
17	34.40	20	14.85	16	22.45	17	31.04
23	35.12	24	13.52	23	21.99	21	31.04
25	35.30	29	13.78	26	20.61	25	31.07
27	35.53	June 3	15.47	28	20.08	27	31.28
Mar. 1	35.76	7	14.85	Sept. 4	22.01	Dec. 4	31.62
4	36.17	11	15.74	8	22.91	8	32.22
9	36.96	14	16.10	12	24.06	16	33.41
10	37.08	18	14.68	13	23.98	21	33.31
14	37.38	22	14.43	17	24.01	24	33.38
20	37.74	24	14.44	21	22.74	28	33.49
25	38.14	27	14.53	25	22.51		

Union County - Grande Ronde Valley

Grande Ronde subprovince

1/38-24R1. H. L. Wagner. Drilled irrigation artesian well in basalt, diameter 12 to 8 inches, depth 1,150 feet, cased to bottom. Land-surface datum is about 2,735 feet above msl. Highest water level 107.0 above lsd, Dec. 30, 1951; lowest 53.0 above lsd, Aug. 13, 1951. Records available: 1950-54. Jan. 23, +103.00; Mar. 31, +100.25; July 8, +104.30; Sept. 11, +43.50, pumping.

1/39-17L1. . A. F. Furman. Drilled domestic water-table well in sand, diameter 4 inches, depth 46 feet. Land-surface datum is about 2,735 feet above msl. Highest water level 12.49 below lsd, Aug. 5, 1953; lowest 25.55 below lsd, Oct. 21, 1942. Records available: 1940-54. Jan. 23, 14.77; Mar. 31, 13.77; July 8, 17.37, pumped recently; Sept. 11, 14.51.

3/38-10B1. Union County. Dug observation water-table well in sand and gravel, size 18 by 18 inches, depth 11 feet, cribbed with wood to bottom, perforated 12-inch steel casing 7-10. Land-surface datum is 2,727.88 feet above msl. Highest water level 5.13 below lsd, Mar. 26, 1953; lowest 8.15 below lsd, Dec. 8, 1939. Records available: 1936, 1938-54. Jan. 23, 5.89; Mar. 31, 5.68; July 8, 6.52; Sept. 11, 6.88.

3/38-25B1. Union County. Dug observation water-table well in sand and gravel, size 18 by 18 inches, depth 13 feet, cribbed with wood to 12, perforated 12-inch steel casing 9-13. Land-surface datum is 2,706.83 feet above msl. Highest water level 6.07 below lsd, Mar. 16, 1948; lowest 11.49 below lsd, Oct. 10, 1940. Records available: 1936, 1938-54. Jan. 22, 8.61; Mar. 31, 8.07; July 8, 8.09; Sept. 11. 9.10.

Wasco County

Deschutes River subprovince
(For other wells in this subprovince see Crook County.)

1N/13-23D1. Cherry Hill District Improvement Co. Drilled irrigation well in Yakima basalt, diameter 12 to 10 inches, depth 301 feet, cased to 193. Land-surface datum is about 623 feet above msl. Highest water level 220 below lsd, Oct. 10, 1947; lowest 258 below lsd, Sept. 8, 1954. Records available: 1947-54. Jan. 18, 251; Apr. 2, 244; Sept. 8, 258.

1N/13-32G1. Milton Martin. Drilled irrigation artesian well in basalt, diameter 8 inches, depth 336 feet, cased to 44. Land-surface datum is about 1,170 feet above msl. Highest water level 186.5 above lsd, Apr. 1, 1953; lowest 73.16 above lsd, July 5, 1950. Records available: 1946-54. Apr. 2, +185.0; July 6, +98.5, pumped recently; Sept. 8, +105.5, pumped recently.

1N/13-32H1. Earl Lash. Drilled irrigation and domestic artesian well in basalt, diameter 6 inches, depth 179 feet, cased to 65. Land-surface datum is about 1,200 feet above msl. Highest water level 77.00 above lsd, July 6, 1954; lowest 29.7 above lsd, May 5, 1947. Records available: 1947-54. Apr. 2, +56.20; July 6, +77.00.

2N/12-25R1. Ward Weber. Drilled irrigation water-table well in sandstone in The Dalles formation, diameter 8 inches, depth 443 feet, cased to 250. Land-surface datum is about 500 feet above msl. Highest water level 79.80 below lsd, Jan. 18, 1954; lowest 151.54 below lsd, Aug. 6, 1953. Records available: 1947-54. Jan. 18, 79.80; Apr. 2, 108.70; July 6, 133.40; Sept. 8, 126.30.

Washington County

Willamette Valley subprovince
(For other wells in this subprovince see Benton, Lane, Linn, Marion, Multnomah, and Yamhill Counties.)

1/1W-21R1. Elinore Shively. Drilled domestic and stock water-table well in basalt, diameter 6 inches, depth 145 feet, cased to 20. Land-surface datum is about 285 feet above msl. Highest water level 98.91 below lsd, May 5, 1948; lowest 130.36 below lsd, Sept. 27, 1952. Records available: 1948-54. Feb. 3, 117.49; July 15, 122.64; Sept. 30, 129.51.

Yamhill County

Willamette Valley subprovince
(For other wells in this subprovince see Benton, Lane, Linn, Marion, Multnomah, and Washington Counties.)

5/5W-13B1. George Fuller. Drilled domestic and stock artesian well in sand and gravel, diameter 7 inches, depth 64 feet. Land-surface datum is 151.09 feet above msl. Highest water level 9.54 below lsd, Jan. 13, 1936; lowest 35.78 below lsd, Sept. 13, 1951. Records available: 1928-30, 1935-36, 1938-54. Mar. 16, 10.37; June 29, 32.70, pumping; Sept. 8, 26.75; Oct. 30, 22.65, pumped recently; Dec. 20, 13.84.

UTAH

By H. A. Waite, B. E. Lofgren, W. B. Nelson, and R. G. Butler

Scope of Water-Level Program

The observation-well program in Utah, begun in 1935, was continued in 1954 in cooperation with the State Engineer. Investigations were continued and expanded in the principal pumping districts of southwestern Utah, namely, the Beryl-Enterprise and Milford districts of Escalante Valley, Cedar City Valley, and Parowan Valley. Detailed ground-water studies of the East Shore area in connection with the Weber Basin project were continued in 1954 in cooperation with the Bureau of Reclamation. A comprehensive ground-water study of the eastern part of the Dugway Proving Ground in Tooele County, begun in June 1953, was completed in August 1954. A field investigation of the geology and ground-water occurrence of the Navajo Lake vicinity in northwestern Kane County was begun in July 1954 as a part of a cooperative program with the Utah Water and Power Board and the city of Cedar City. A total of 3,234 static water-level measurements were made in 958 selected observation wells scattered through 42 ground-water areas. In addition, recording gages were maintained on 54 wells. The records of 276 of these observation wells, including 21 recording gages, are given in this report.

The records of other wells listed in previous annual reports may be examined in the open file at the Utah district office of the Ground Water Branch, U. S. Geological Survey, 503 Federal Building, Salt Lake City, Utah. In addition, some records of water-level measurements are included in special project reports that are published separately. The water-level report does not include more than 1,400 pumping measurements made in more than 400 irrigation wells during the pumping season.

The following table shows by counties and areas the number of observation wells measured in Utah and the number of recording gages maintained.

Distribution by counties and areas of observation wells in Utah, 1954

County and area	Number of observation wells	Number of wells reported	Number of recording gages
Beaver			
Beaver Valley	12	4	0
Escalante Valley	112	17	4
Box Elder			
East Shore area	6	4	0
Lower Bear River Valley	3	1	0
Blue Springs Valley	3	1	0
Curlew Valley	5	3	0
Grouse Creek Valley	6	3	1
Park Valley	6	2	0
Raft River Valley	5	2	0
Cache			
Cache Valley	17	8	1
Davis			
East Shore area	76	14	8
Duchesne			
Uinta Basin	25	8	0
Garfield			
East Sevier Valley	3	3	0
Upper Sevier Valley	17	2	0
Grand			
Colorado River area	6	3	0
Iron County			
Cedar City Valley	49	16	2
Escalante Valley	65	38	3
Parowan Valley	32	8	0

Distribution by counties and areas of observation wells in Utah, 1954--Continued

County and area	Number of observation wells	Number of wells reported	Number of recording gages
Juab			
Juab Valley	20	5	0
Snake Valley	4	3	1
Millard			
Escalante Valley	4	1	0
Pavant Valley	38	9	2
Sevier Desert	21	7	1
Snake Valley	12	3	0
Morgan			
Morgan Valley	11	6	0
Piute			
Grass Valley	2	1	0
Upper Sevier Valley	6	1	0
Rich			
Bear Lake Valley	9	4	0
Upper Bear River Valley	12	7	0
Salt Lake			
Jordan Valley	29	8	4
San Juan			
Spanish Valley-LaSal area	7	4	1
Sage Plain	15	4	1
Bluff area	3	0	0
Sanpete			
Central Sevier Valley	4	2	0
Sanpete Valley	27	8	1
Sevier			
Central Sevier Valley	9	5	1
Grass Valley	4	1	0
Summit			
Rhodes Valley	6	2	0
Weber Canyon	2	0	0
Tooele			
Rush Valley	11	3	0
Tooele Valley	14	9	2
Skull Valley	8	0	1
Salt Lake Desert	2	0	0
Uintah			
Uinta Basin	21	7	0
Utah			
Cedar Valley	7	1	0
Goshen Valley	3	1	0
Utah Lake Valley	27	11	2
Wasatch			
Heber Valley	7	2	3
Washington			
Escalante Valley	9	3	1
Virgin River Valley	8	5	1
Wayne			
Fremont Valley	4	3	0
Weber			
East Shore area	141	11	10
Ogden Valley	3	2	3
Total	958	276	54

The following reports regarding the ground-water resources of Utah were issued in 1954:

Technical Publication No. 9, 'Progress report on selected ground-water basins in Utah, was included in the State Engineer's 29th biennial report. The volume comprises the following parts:

1. Status of ground-water development in four irrigation districts in southwestern Utah, by H. A. Waite, W. B. Nelson, B. E. Lofgren, R. L. Barnell, and R. G. Butler.

2. Pumping costs in southwestern Utah, by W. B. Nelson.

3. Ground-water possibilities of bedrock aquifers in southeastern Utah, by B. E. Lofgren.

4. Investigation of geology and occurrence of ground water in the Weber Basin project area, Farmington to Willard, by J. H. Feth.

Professional Paper 257-A, Lake Bonneville: Geology of northern Utah Valley, Utah, by C. B. Hunt, H. D. Varnes, and H. E. Thomas.

Ground-water conditions in the Upper Colorado River basin, 1954, by H. E. Lofgren. (Read at the joint meeting of the Western Snow Conference and Colorado River Basin Forecast Committee, April 19. Published in the Proceedings.)

Problems and control of leaking artesian wells, by H. A. Waite. (Read at meeting of Idaho State Reclamation Association, May 7-8. Typewritten copy in open file.)

Methods of estimating ground-water discharge in the East Shore area, Utah, by J. H. Feth. (Read at meeting of Utah Academy of Science, Arts, and Letters, May 7-8. Abstract published in Proceedings.)

Ground-water inflow into Great Salt Lake, by B. E. Lofgren. (Read at meeting of Utah Academy of Science, Arts, and Letters, May 7-8. Abstract published in Proceedings.)

Inventory of ground-water pumpage in three irrigation districts in southern Utah, 1953, by H. A. Waite, W. B. Nelson, B. E. Lofgren, R. L. Barnell, and R. G. Butler. (Typewritten copy in open file.)

Effect of the current drought upon water supplies in Cedar City Valley, Utah, by H. A. Waite and H. E. Thomas. (Read at the 35th annual meeting of the American Geophysical Union, May 3-5, by Mr. Thomas. Published in Transactions.)

Precipitation

In general, 1954 was one of the warmest and driest years on record. The drought conditions adversely affected ranges and summer water supplies, especially in the southern half of the State. The winter was the driest since 1931 and the fifth warmest since records began. The spring of 1954 was the driest and warmest since 1940, with the exception of the spring of 1950. Summer, although warmer and drier than usual, was not a recordbreaker in either regard. Above-normal precipitation in the fall of 1954 made it the wettest fall since 1947. Only five fall seasons have been warmer in the climatological history of the State. According to records of the U. S. Weather Bureau, the State average of 11.23 inches for 1954 was 1.95 inches below normal for the period of record. The cumulative effects of high temperatures and below-normal precipitation have had a pronounced effect on the ground-water reservoirs of the State.

Interpretation of Water-Level Fluctuations

In general, water levels in observation wells in the southern part of Utah have continued to decline during the past few years, in response to the drought that has prevailed in the southwestern part of the United States and the consequent accelerated use of ground water for irrigation. In the northern part of the State, water levels in most observation wells have not declined significantly during the past several years. The hydrographs of 14 selected observation wells are shown in figures 22, 23, 24, 25, and 26. The hydrographs of these wells have been selected as being representative of water-level trends that prevail throughout the State. Although significant seasonal variations in water level have been measured in each of these wells, only year-end readings have been used in these modified hydrographs to show annual changes in ground-water storage.

As noted in the hydrographs of Cache County well (A-12-1)29bdd-1 in Cache Valley and Tooele County well (C-2-4)33add-1 in Tooele Valley in northern Utah (fig. 22), water levels remained relatively constant or rose slightly during the periods of record. These wells are in the middle of large ground-water basins far removed from the direct effects of recharging mountain streams. Although there has been some increase in ground-water use in recent years, recharge from precipitation has been sufficient to offset this use. The water level in Salt Lake County well (D-2-1)4dbd-4 in Holladay declined in 1953 and 1954, but at the end of 1954 the water level was about 5 feet higher than during its lowest stage at the end of 1934.

The hydrographs of Box Elder County well (B-8-2)23cdb-1, Weber County well (B-5-2)4cdd-1, and Davis County well (A-2-1)19dbc-1 in the East Shore area are shown in figure 23. The water level in the Willard Water Co. well (B-8-2)23cdb-1 declined slightly from 1946 through 1953. A decline of about 5 feet took place in 1954, but despite this, the water level was still more than 2 feet higher than it was at the beginning of record. The hydrographs of Weber County well (B-5-2)4cdd-1 near Ogden and Davis County well (A-2-1)19dbc-1 at Bountiful show alternately the effects of deficient precipitation during 1951 and the abnormally high spring runoff of 1952. The water levels in both of these wells declined sharply in 1954. The water level in well (B-5-2)4cdd-1 reached a new alltime year-end low at the close of 1954; the water level in well (A-2-1)19dbc-1 was the lowest year-end reading of its entire period of record. The pumping of several

new wells in the immediate vicinity of the Bountiful observation well undoubtedly contributed to the water-level decline.

In two of the three wells whose hydrographs are shown in figure 24, the water levels declined during 1953 and 1954, but at the end of 1954 they were higher than they were at the beginning of their respective records. The water levels in Millard County well (C-21-5)21aba-1 near Flowell and Sevier County well (C-23-2)19dab-1 near Richfield rose significantly during the abnormally high runoff in 1952. The water level in well (C-23-2)19dab-1 near Richfield has fluctuated as much as 20 feet during the past 19 years, and the net rise during this period amounted to about 11 feet.

The hydrographs of Sanpete County well (D-16-3)32ddc-2 near Ephraim and Beaver County well (C-29-10)6ddc-2 near Milford are shown in figure 25. The water level in well (D-16-3)32ddc-2 rose sharply in response to the unusually high runoff in 1952 and declined in 1953 and 1954, but the water level at the end of 1954 was still about 7 feet higher than the previous low stage at the end of 1939. This well records the changes of water level in a relatively small, steeply inclined ground-water basin. On the other hand, Beaver County well (C-29-10)6ddc-2 near Milford is in the center of a large group of irrigation wells pumping from an exceptionally large underground reservoir. In general, water-level trends in the Milford district have been downward since 1939 in response to abnormally low precipitation and accelerated pumping, although the quantities of ground water in storage are large, as compared to seasonal changes in storage. The water level in well (C-29-10)6ddc-2 reached the lowest stage in its 22-year record at the end of 1954 when the net lowering in water level during the period from January 1933 to December 1954 amounted to about 6 feet.

The water levels in Iron County wells (C-33-9)34dcd-1 in Parowan Valley, (C-35-11)33aac-1 in Cedar City Valley, and (C-35-17)25cdd-1 in the Beryl-Enterprise district (fig. 26) have declined significantly during the past several years. During the period from January 1, 1950, through March 30, 1954, the water level in well (C-33-9)34dcd-1 declined about 10 feet. At the end of March 1954 the water level was about 1 foot higher than it was on April 18, 1936. The net decline in water level in well (C-35-11)33aac-1 amounted to about 24 feet from January 1933 to December 1954. The net decline in well (C-35-17)25cdd-1 amounted to about 12 feet from January 1936 to December 31, 1954. The ground water in the pumping district in Cedar City Valley is considered to be fully appropriated. The Utah State Engineer has not authorized drilling of irrigation wells there since 1942, except as replacements for wells having established rights. In spite of this regulation, water levels in representative wells in 1954 were the lowest of record and 4 to 10 feet lower than the minimums during the drought of the 1930's. This recession is attributed in large part to the current drought in the southwestern United States. In the 5 years ending October 1, 1954, precipitation at Cedar City was markedly less than in any other 5-year period in the past 50 years, and stream runoff was likewise far below average. Water levels in the Beryl-Enterprise district, on the other hand, reflect the gradual unwatering of an exceptionally large underground reservoir. The hydrograph of well (C-35-17)25cdd-1, in the center of this extensive district, shows only minor fluctuations from one year to the next, and indicates a general downward trend that has been in effect since pumping began. This trend has been accelerated during recent years of increased pumping from wells, the net decline from January 1, 1946, to December 31, 1954, amounting to about 11 feet.

Acknowledgments

Water-level records from several observation wells in Salt Lake Valley are furnished through informal cooperation with the Salt Lake City Corporation. Records of 181 observation wells, including 13 recording gages, in the East Shore area of Weber and Davis Counties and 3 recording gages in Wasatch County were furnished by the Bureau of Reclamation.

Well-Numbering System

The well number assigned to each water well in the State indicates the location of the well with reference to land subdivision, according to a system adopted by the State Engineer and described in his 20th Biennial Report (1936), page 87. By this sytem the State is divided into four quadrants by the Salt Lake base and meridian. These quadrants are designated by capital letters, thus: A for the northeast quadrant, representing townships north, ranges east; B for the northwest quadrant, C for the southwest, and D for the southeast. The designation of the township is enclosed in parentheses, which include one of these letters, the number of the township, and the number of the range. Thus, in the number of well (C-28-17)21daa-1 in Beaver County, the part within parentheses indicates that the well is in T. 28 S., R. 7 W. The number after the parentheses designates the section, and the lowercase letters give the location of the well within the section, the first letter indicating the quarter section and succeeding letters showing the location within the quarter section down to a 10-acre tract. Thus, number (C-28-7)21daa-1 represents well number 1 in the $NE\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$ sec. 21, T. 28 S., R. 7 W. In the area surveyed from the Uinta special base and meridian (in Duchesne and Uintah Counties), the well numbers are derived in the same manner and are preceded by the letter U. The State claim or application number given is that used in records of the State Engineer, claim numbers refer to wells that

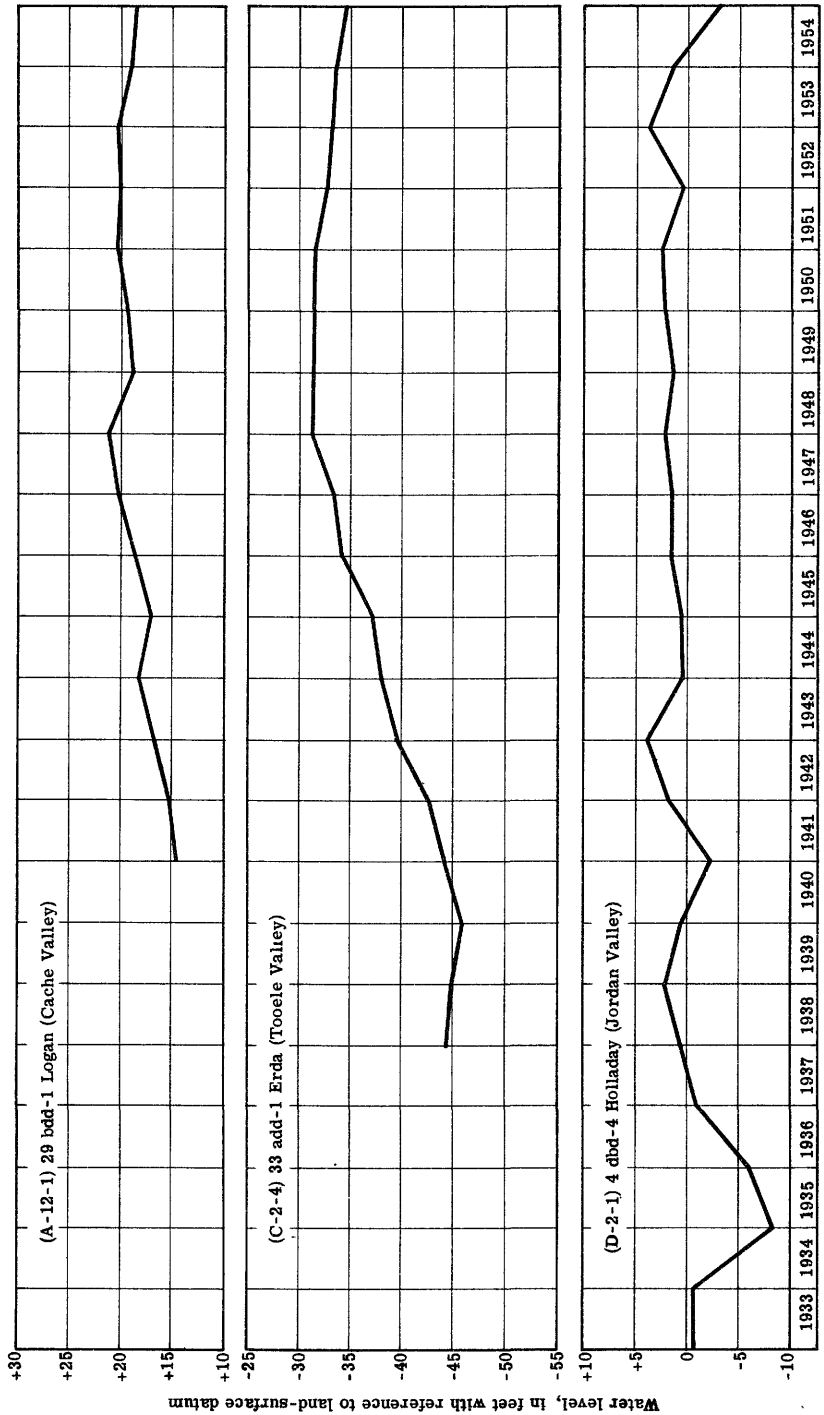


Figure 22.--Water levels in wells (A-12-1)29bdd-1, (C-2-4)33add-1, and (D-2-1)4dbd-4 in northern Utah.

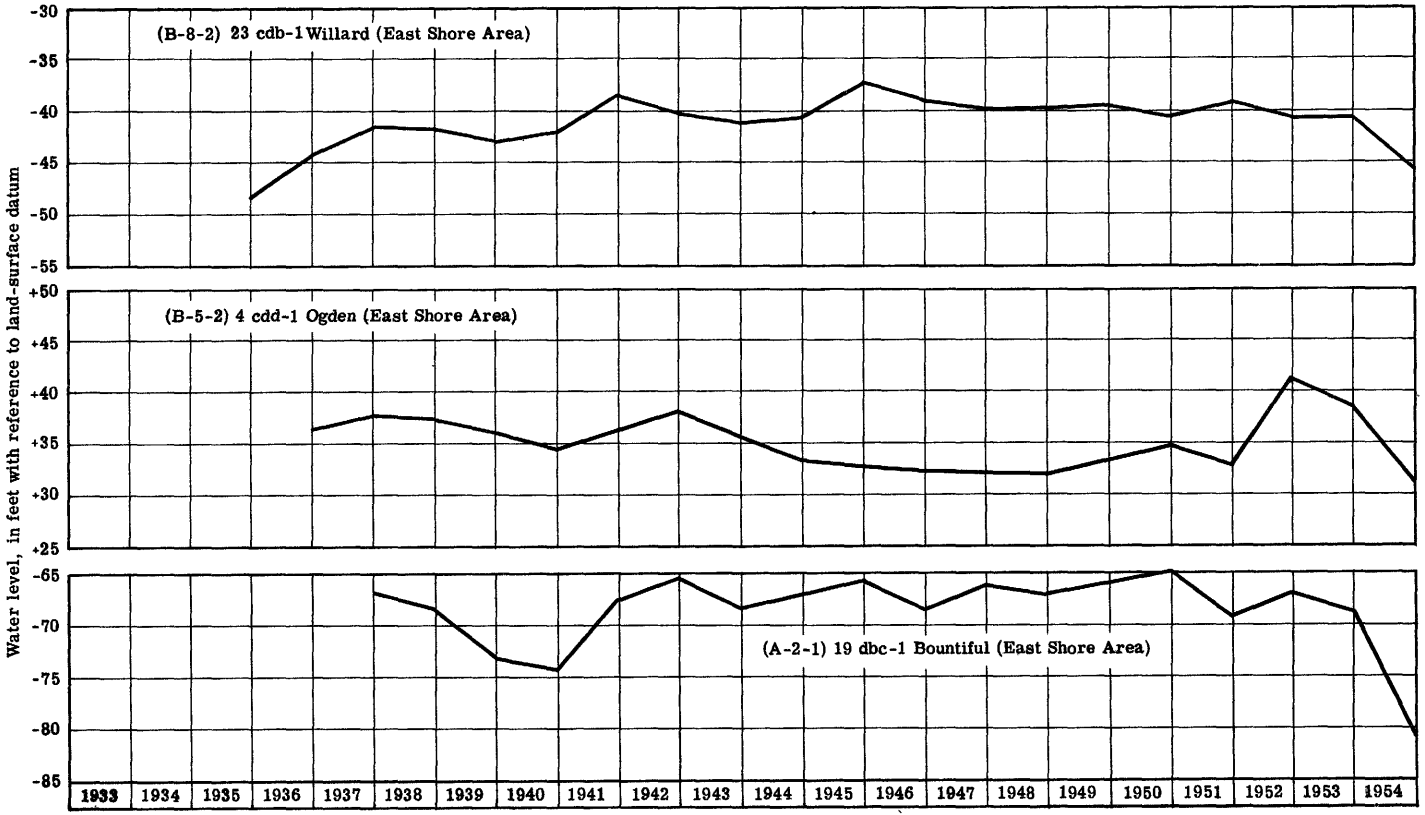


Figure 23. --Water levels in wells (B-8-2)23cdb-1, (B-5-2)4cdd-1, and (A-2-1)19dbc-1 in northern Utah.

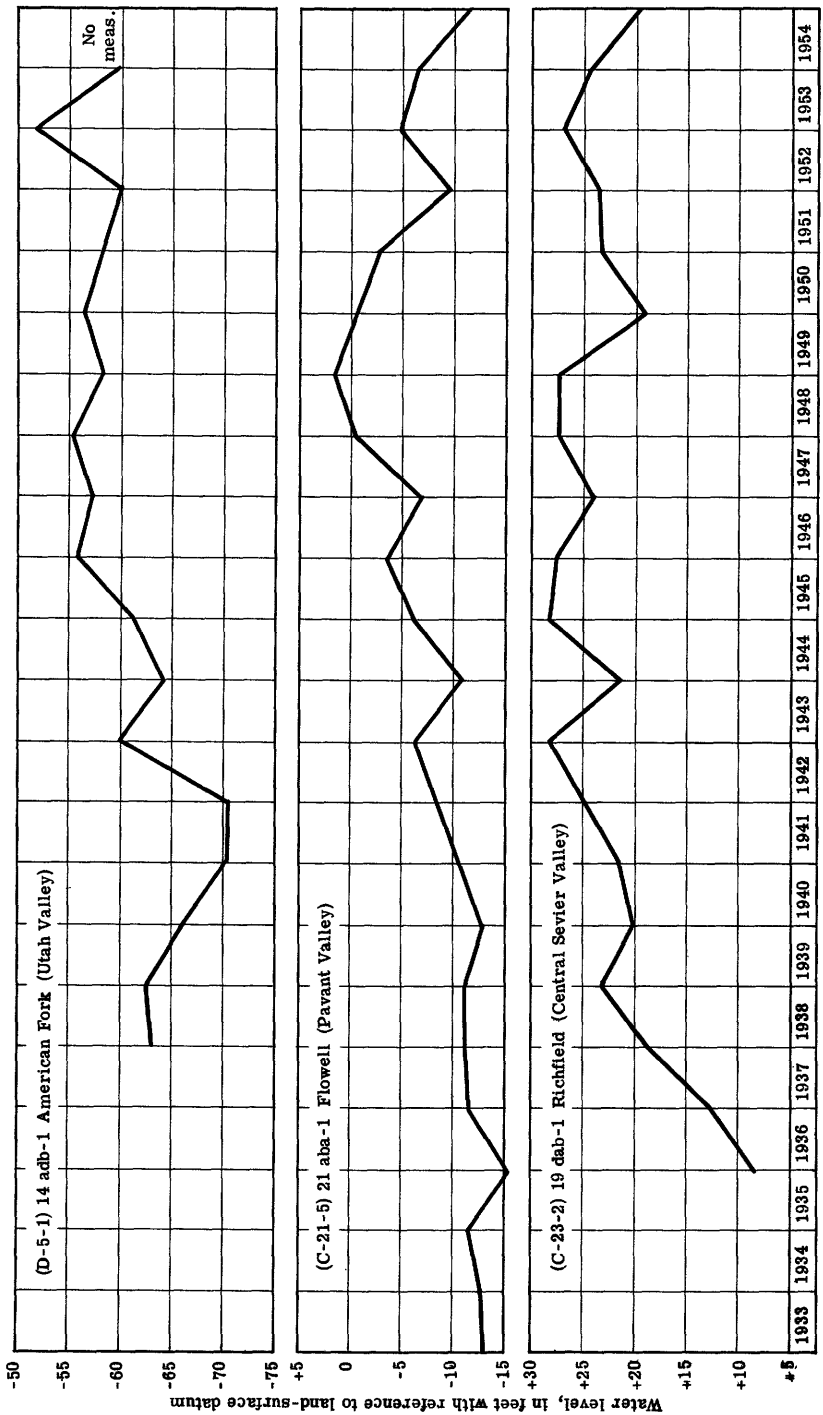


Figure 24. -- Water levels in wells (D-5-1)14adb-1, (C-21-5)21aba-1, and (C-23-2)19dab-1 in central Utah.

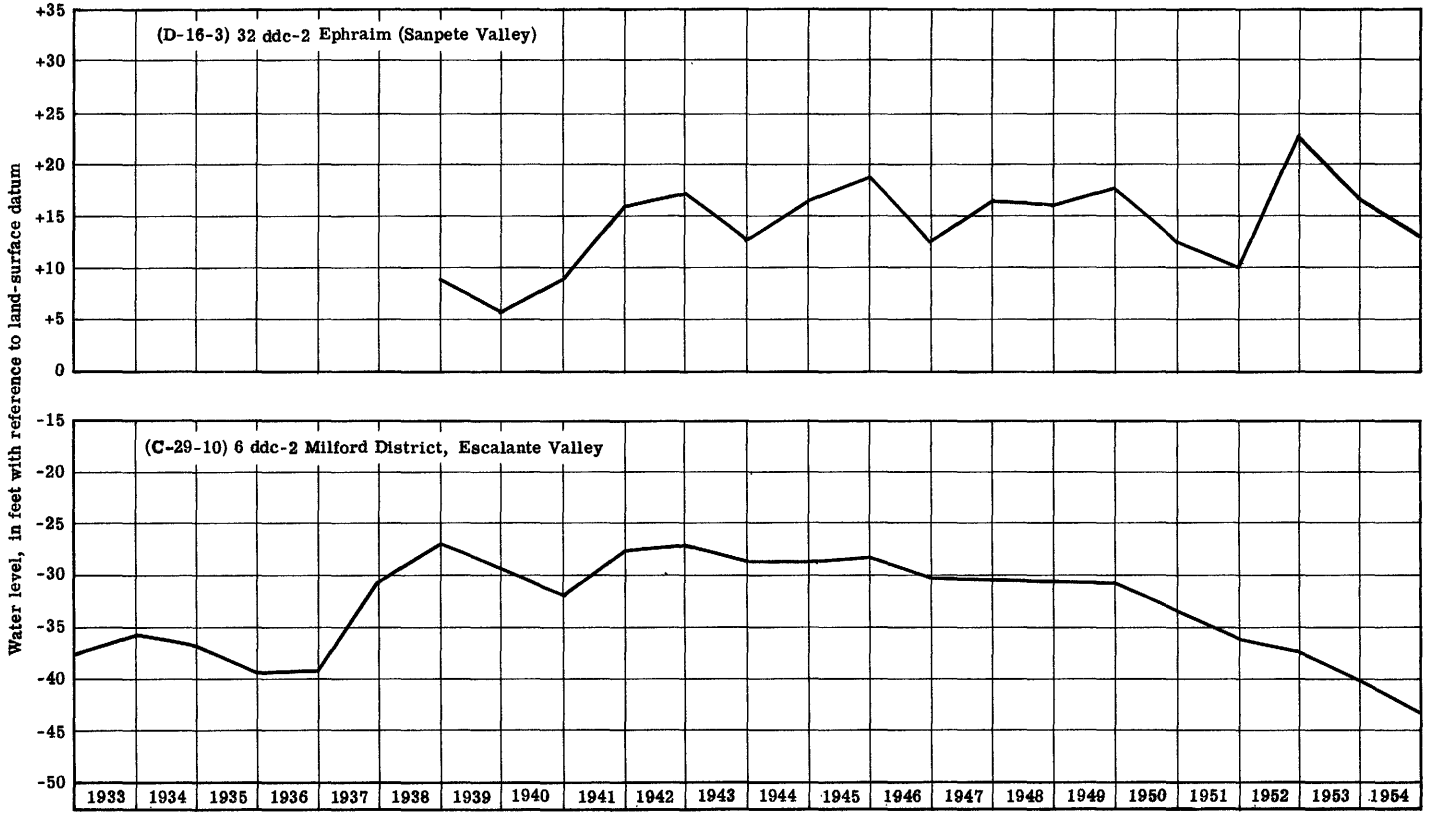


Figure 25. --Water levels in wells (D-16-3)32ddc-2, Sanpete Valley, and (C-29-10)6ddc-1, Escalante Valley, Utah.

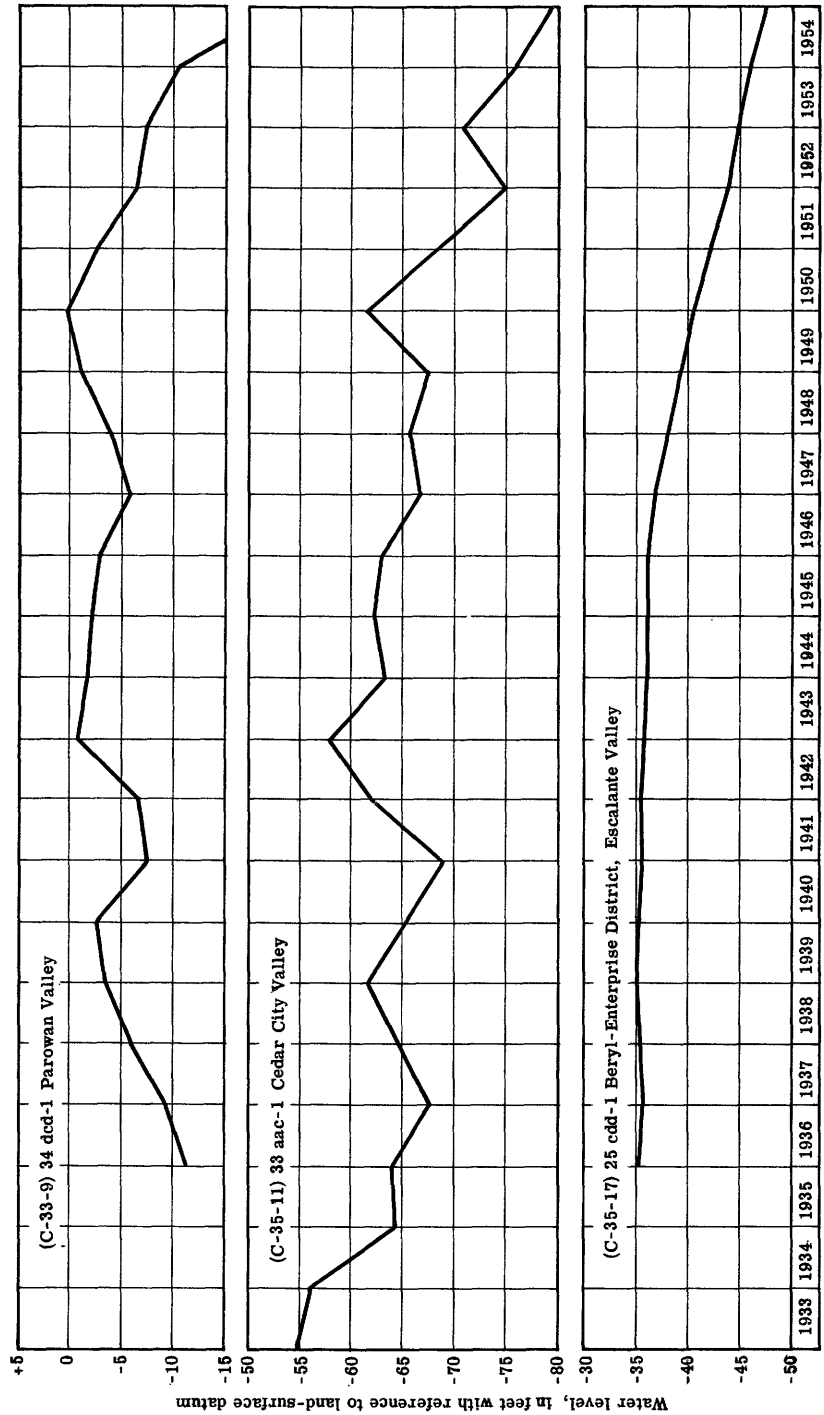


Figure 26. --Water levels in wells (C-33-9)34dcd-1, (C-35-11)33aac-1, and (C-35-17)25cdd-1 in Iron County, Utah.

were in existence when the State ground-water law went into effect in March 1935, and the application numbers refer to wells completed since that date.

Well Descriptions and Water-Level Measurements

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

Beaver County

Beaver Valley

(C-28-7)21daa-1. E. F. Baldwin. Dug domestic water-table well in alluvium, diameter 48 to 36 inches, depth 30 feet. Land-surface datum is 6,149.1 feet above msl. Highest water level 6.75 below lsd, June 24, 1952; lowest 27.97 below lsd, Apr. 27, 1939. Records available: 1935-54. Mar. 22, 23.48.

(C-29-7)21baa-1. State application 21717. John R. and J. Ellis Yardley. Drilled irrigation artesian well in alluvium, diameter 12 to 6 inches, depth 415 feet, cased to 380. Land-surface datum is 5,865.2 feet above msl. Highest water level 0.08 below lsd, June 24, 1952; lowest 26.18 below lsd, Mar. 22, 1954. Records available: 1935-54. Mar. 22, 26.18; June 8, 8.90; July 29, 15.93.

(C-29-7)19bcd-1. State application 21825. Frank Querry. Drilled irrigation artesian well in alluvium, diameter 16 inches, depth 256 feet, cased to 256, perforations 20-245. Highest water level 9.91 below lsd, Dec. 2, 1952; lowest 21.90 below lsd, Oct. 18, 1951. Records available: 1950-54. Mar. 22, 18.96.

(C-29-8)25cac-1. State claim 13115. Beaver School District. Drilled domestic artesian well in alluvium, diameter 2 inches, depth 290 feet, cased to 250. Highest water level 13.0 above lsd, June 29, 1938; lowest 11.0 above lsd, Dec. 8, 1953. Records available: 1936-54. Mar. 22, +11.4.

Escalante Valley

(For other wells in this valley see Iron, Millard, and Washington Counties.)

(C-26-10)32cad-1. State claim 10257. Burton Smithson. Dug and drilled unused artesian well in alluvium, diameter 48 to 1½ inches, depth 250 feet, cased to 250. Highest water level 11.50 below lsd, Mar. 10, 1948; lowest 17.55 below lsd, Oct. 24, 1939. Records available: 1936-53. No measurement made in 1954.

(C-28-10)8cdd-1. J. R. Murdock. Bored stock water-table well in alluvium, diameter 6 inches, depth 14 feet, cased to 10. Land-surface datum is 4,958.6 feet above msl. Highest water level 1.06 below lsd, Apr. 8, 1943; lowest 5.71 below lsd, Sept. 3, 1954. Records available: 1940-54. Mar. 5, 2.86; Sept. 3, 5.71; Oct. 7, 5.55; Dec. 9, 4.54.

(C-28-10)18cbc-1. State application 17555. Carl Elmer. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 193 feet, cased to 193. Land-surface datum is 4,971.6 feet above msl. Highest water level 9.72 below lsd, Mar. 23, 1950; lowest 15.40 below lsd, Oct. 7, 1954. Records available: 1950-54. Mar. 4, 12.05; May 21, 12.52; June 8, 12.69; Oct. 7, 15.40; Dec. 9, 14.19.

(C-28-10)19add-1. State claim 6564. Claus Marshal. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 65 feet, cased to 65, perforations 12-65. Land-surface datum is 4,973.9 feet above msl. Highest water level 1.81 below lsd, Mar. 27, 1948; lowest 15.64 below lsd, Oct. 7, 1954. Records available: 1936-54. Mar. 4, 8.83; Oct. 7, 15.64; Dec. 9, 13.17.

(C-28-10)32baa-2. Duane Yardley. Drilled unused water-table well in alluvium, diameter 6 inches. Land-surface datum is 4,998.40 feet above msl. Highest water level 10.18 below lsd, Apr. 23, 1951; lowest 46.83 below lsd, July 16, 1954. Records available: 1950-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	15.79	.....	.....	28.03	35.77	40.20	40.00	.....	27.96	21.88	.....
2	.....	15.79	.....	.....	26.57	.....	41.62	.....	.....	27.51	21.80	.....
3	.....	15.79	.....	.....	.....	.....	43.00	.....	45.45	27.00	21.78	.....
4	.....	15.79	15.35	.....	.....	.....	42.58	.....	44.38	26.47	21.79	.....
5	.....	15.79	15.34	.....	24.40	39.30	42.82	.....	42.78	25.94	21.69	.....

(C-28-10)32baa-2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	16.44	.....	15.34	14.90	24.73	38.57	43.45	.....	41.62	25.48	21.61	.....
7	16.38	.....	15.30	14.88	25.30	38.12	.....	.....	41.32	25.15	21.56	.....
8	16.32	.....	15.29	14.85	25.70	38.26	.....	43.52	41.06	24.85	21.54	.....
9	16.31	15.60	15.25	14.84	26.73	39.25	45.35	44.04	39.41	24.58	21.47	20.23
10	16.31	15.57	15.20	14.84	28.21	40.05	45.28	44.63	.....	24.30	21.42	20.18
11	16.18	15.56	15.16	14.85	29.43	40.34	45.87	44.12	.....	24.06	21.36	20.19
12	16.16	15.53	.....	14.86	.....	40.78	46.15	44.48	.....	23.86	21.29	20.19
13	16.15	15.49	.....	14.90	31.50	40.54	.....	44.68	34.77	23.72	21.26	20.14
14	16.10	15.47	.....	15.12	33.90	39.40	.....	44.28	34.48	23.58	21.20	20.12
15	16.09	15.46	15.16	15.45	35.64	38.70	46.65	43.30	.....	23.44	.....	20.08
16	16.08	.....	15.12	15.74	35.97	37.35	46.83	.....	.....	23.27	21.11	.....
17	15.99	15.44	15.07	15.95	36.64	37.45	46.55	.....	.....	23.14	21.11	.....
18	15.95	15.39	15.07	.....	37.76	38.08	45.71	.....	.....	23.03	21.07	.....
19	15.80	.....	15.06	.....	38.68	38.59	44.70	.....	.....	22.93	21.03	.....
20	15.77	.....	15.06	.....	39.60	37.87	44.47	.....	.....	22.85	20.99	.....
21	.....	.....	15.06	.....	.....	37.37	44.87	.....	.....	22.77	20.95	.....
22	.....	.....	15.05	21.30	.....	37.06	45.07	.....	.....	22.67	20.93	.....
23	.....	.....	.....	22.78	.....	37.87	45.10	.....	32.45	22.57	20.89	.....
24	.....	.....	14.97	24.00	.....	39.45	45.07	47.06	.....	22.47	.....	19.77
25	.....	.....	14.96	24.79	34.95	39.72	43.83	.....	.....	.....	.....	.....
26	.....	.....	14.96	25.49	36.77	40.37	42.74	.....	.....	.....	.....	.....
27	.....	.....	14.97	26.12	38.60	.....	41.74	.....	.....	.....	.....	.....
28	.....	.....	14.96	26.90	39.70	40.15	41.17	.....	.....	.....	.....	.....
29	15.79		14.93	27.38	40.40	39.91	40.63	.....	.....	.....	.....	.....
30	15.79		14.92	27.76	39.10	40.07	40.23	.....		.....		.....
31	15.79		14.92		37.05		40.54	.....		.....		.....

(C-28-10)32ccc-1. State claim 2040. Jack Hadley. Drilled unused water-table well in alluvium, diameter 14 to 12 inches, depth 72 feet, cased to 72. Land-surface datum is 5,013.5 feet above msl. Highest water level 14.93 below lsd, Aug. 8, 1939; lowest 44.45 below lsd, Sept. 2, 1954. Records available: 1938-42, 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4	26.78	June 8	36.87	July 29	39.10	Oct. 6	36.07
May 21	34.30	July 16	42.64	Sept. 2	44.45	Dec. 9	31.55

(C-28-11)22dab-1. Houston & Goff. Drilled stock water-table well in alluvium, diameter 8 inches, depth 72 feet. Land-surface datum is 5,004 feet above msl. Highest water level 29.90 below lsd, Dec. 7, 1951; lowest 34.75 below lsd, Oct. 8, 1954. Records available: 1941-54. Mar. 5, 33.68; Oct. 8, 34.75; Dec. 10, 34.55.

(C-28-11)24daa-1. State claim 11221. Leo Mayer. Drilled irrigation water-table well in alluvium, diameter 14 to 12 inches, depth 204 feet, cased to 204. Land-surface datum is 4,973.2 feet above msl. Highest water level 5.55 below lsd, Mar. 12, 1944; lowest 11.80 below lsd, Dec. 9, 1954. Records available: 1938-45, 1950-54. Mar. 4, 8.52; Oct. 7, 9.26; Dec. 9, 11.80.

(C-28-11)36add-1. State claim 20233. George Smith. Drilled unused water-table well in alluvium, diameter 14 inches, depth 62 feet, cased to 62. Highest water level 6.74 below lsd, Mar. 12, 1944; lowest 31.62 below lsd, Sept. 2, 1954. Records available: 1938-54.

Mar. 4	16.66	May 21	22.69	July 29	29.62	Oct. 6	27.70
Apr. 7	15.95	July 16	29.06	Sept. 2	31.62	Dec. 9	21.95
May 4	18.55						

(C-29-10)6ddc-2. (Replacement for (C-29-10)6ddc-1). State claim 13116-R. Wilford Thompson. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 154 feet, cased to 154. Land-surface datum is 5,033.0 feet above msl. Highest water level 34.10 below lsd, Mar. 16, 1953; lowest 46.92 below lsd, Oct. 7, 1954. Records available: 1953-54. Mar. 4, 38.68; May 21, 43.90; Oct. 7, 46.92; Dec. 9, 43.62.

(C-29-11)1add-1. State claim 10290. Orin Williams. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 58 feet, cased to 58, perforations 18-58. Land-surface datum is 5,014 feet above msl. Highest water level 17.62 below lsd, Mar. 10, 1943; lowest 36.81 below lsd, Oct. 6, 1954. Records available: 1935-54. Mar. 4, 27.28; Oct. 6, 36.81; Dec. 9, 33.81.

(C-29-11)4baa-1. W. H. Child. Dug stock water-table well in alluvium, diameter 4 feet, depth 41 feet. Land-surface datum is 5,022.8 feet above msl. Highest water level 34.10 below lsd, Apr. 1, 1952; lowest 44.50 below lsd, Oct. 8, 1954. Records available: 1941-46, 1948-54. Mar. 5, 35.03; Oct. 8, 44.50; Dec. 9. 39.60.

(C-29-11)11cdd-2. State claim 7540. J. L. Shepherd. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 90 feet, cased to 90, perforations 56-62, 65-69, 78-90. Land-surface datum is 5,018.16 feet above msl. Highest water level 17.10 below lsd, Mar. 23, 1950; lowest 23.71 below lsd, Oct. 6, 1954. Records available: 1937-54. Mar. 4, 21.72; Oct. 6, 23.71; Dec. 9, 23.43.

(C-29-11)13add-1. State application 18004. Don Olmstead. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 276 feet, cased to 276. Land-surface datum is 5,042.8 feet above msl. Highest water level 33.15 below lsd, Apr. 28, 1948; lowest 48.20 below lsd, Oct. 6, 1954. Records available: 1947-54. Mar. 4, 42.53; Oct. 6, 48.20; Dec. 9, 45.73.

(C-29-11)22ddd-1. State claim 10667. P. V. Haworth. Drilled unused water-table well in alluvium, diameter 14 to 12 inches, depth 50 feet, wood-casing to 50. Land-surface datum is 5,035.2 feet above msl. Highest water level 24.88 below lsd, Mar. 19, 1947; lowest 34.80 below lsd, July 27, 1954. Records available: 1935-54. Mar. 5, 27.98; June 8, 30.23; July 27, 34.80; Oct. 6, 30.64; Dec. 9, 29.09.

(C-30-11)4cdd-1. Minersville Livestock Co. Drilled unused water-table well in alluvium. diameter 4 inches, depth 33 feet. Land-surface datum is 5,040.2 feet above msl. Highest water level 25.64 below lsd, Mar. 19, 1947; lowest 27.55 below lsd, Sept. 29, 1937. Records available: 1935-54. Mar. 5, 26.73; Oct. 6, 27.31; Dec. 10, 27.33.

(C-30-13)34bbb-1. Cook Bros. Drilled unused water-table well in alluvium, diameter 14 inches, depth 69 feet. Land-surface datum is 5,087.80 feet above msl. Highest water level 45.64 below lsd, Apr. 23, 1949; lowest 46.03 below lsd, Nov. 26, 1944. Records available: 1940-50, 1952-53. No measurement made in 1954.

Box Elder County

East Shore area

(For other wells in the area see Davis and Weber Counties.)

(B-7-2)11baa-3. State claim 6409. Jack White. Drilled unused water-table well in alluvium, diameter 10 inches, depth 365 feet, cased to 365. Highest water level 25.50 below lsd, Aug. 29, 1949; lowest 37.42 below lsd, May 27, 1948. Records available: 1947-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	33.34	Apr. 8	33.72	July 12	35.42	Oct. 4	34.58
Feb. 2	33.46	May 4	34.40	Aug. 9	35.41	Nov. 8	35.30
Mar. 2	35.70	June 1	34.99	Sept. 7	34.90	Dec. 2	35.94

(B-8-2)23cdb-1. State claims 1284 and 8126. Willard Water Co. Drilled irrigation artesian well in coarse gravel, diameter 13 to 10 inches, depth 255 feet, cased to 225, perforations 97-172, 180-197. Land-surface datum is 4,328.8 feet above msl. Highest water level 27.11 below lsd, July 19, 1945; lowest 50.44 below lsd, Oct. 29, 1935. Records available: 1935-54. Mar. 2, 41.66; Apr. 8, 42.07; June 1, 39.69; Oct. 4, 45.50; Nov. 8, 46.50; Dec. 2, 46.23.

(B-8-2)26cac-1. State claim 99. Geo. L. Braegger. Driven irrigation artesian well in alluvium, diameter 3 inches, depth 235 feet, cased to 230. Highest water level 37.5 above lsd, June 24, 1953; lowest 16.15 above lsd, Oct. 3, 1935. Records available: 1935-45, 1951-54. Mar. 2, +30.2; Apr. 8, +29.8; July 12, +29.2; Oct. 4, +22.4.

(B-9-2)35dcd-1. State claim 477. H. F. Hansen. Dug and drilled unused water-table well in alluvium, diameter 6 feet, depth 70 feet, lined with concrete to 55, 4-inch casing 55-70. Land-surface datum is 4,353.9 feet above msl. Highest water level 29.73 below lsd, Sept. 17, 1953; lowest 46.85 below lsd, Aug. 13, 1936. Records available: 1935-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	40.83	41.37	41.98	41.45	40.49	39.70	38.25	35.25	34.74	37.30	38.54
2	.....	40.83	41.45	41.99	41.25	40.49	39.70	38.20	35.15	34.85	37.35	38.56
3	.....	40.83	41.47	42.00	41.20	40.47	39.69	38.15	34.98	34.97	37.40	38.60
4	.....	40.82	41.49	42.02	41.18	40.46	39.66	38.10	34.95	35.13	37.45	38.64
5	41.20	40.82	41.51	42.04	41.18	40.46	39.64	38.03	34.88	35.21	37.50	38.69

(B-9-2)35dcd-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	40.85	41.53	42.05	41.20	40.40	39.56	37.90	34.85	35.32	37.55	38.72
7	.....	40.88	41.55	42.07	41.21	40.30	39.43	37.84	34.70	35.43	37.63	38.77
8	41.30	40.90	41.57	42.12	41.23	40.26	39.35	37.79	34.35	35.50	37.70	38.82
9	.....	40.92	41.58	42.12	41.20	40.25	39.33	37.75	34.30	35.60	37.75	38.85
10	.....	40.95	41.60	42.13	41.11	40.23	39.24	37.68	34.25	35.68	37.80	38.88
11	.....	40.97	41.62	42.14	41.06	40.24	39.18	37.53	34.20	35.78	37.86	38.95
12	.....	41.00	41.64	42.16	41.04	40.23	39.15	37.43	34.12	35.80	37.91	39.01
13	.....	41.02	41.66	42.17	41.03	40.22	39.11	37.32	34.10	35.83	37.98	39.05
14	.....	41.03	41.68	42.18	41.00	40.20	39.10	37.25	34.12	35.91	38.04	39.10
15	.....	41.07	41.70	42.20	40.92	40.20	39.02	37.18	33.95	36.05	38.10	39.14
16	.....	41.08	41.70	42.21	40.88	40.19	38.96	37.10	33.77	36.12	38.15	39.20
17	.....	41.11	41.72	42.22	40.70	40.19	38.94	36.88	33.80	36.18	38.21	39.25
18	.....	41.13	41.74	42.23	40.67	40.20	38.90	36.65	33.80	36.25	38.26	39.30
19	40.38	41.17	41.76	42.24	40.55	40.19	38.90	36.50	33.80	36.30	38.31	39.34
20	40.43	41.19	41.78	42.25	40.48	40.19	38.87	36.28	33.97	36.50	38.35	39.37
21	40.48	41.22	41.80	42.26	40.42	40.19	38.78	36.20	33.90	36.58	38.39	39.42
22	40.52	41.23	41.82	42.27	40.42	40.13	38.72	36.10	33.77	36.61	38.41	39.46
23	40.57	41.25	41.84	42.28	40.42	40.02	38.64	36.02	33.80	36.67	38.43	39.52
24	40.62	41.27	41.86	42.29	40.42	39.95	38.60	35.75	33.93	36.75	38.45	39.55
25	40.67	41.28	41.88	42.30	40.41	39.92	38.55	35.75	34.05	36.83	38.45	39.60
26	40.72	41.30	41.90	42.32	40.41	39.89	38.50	35.75	34.15	36.91	38.46	39.65
27	40.77	41.32	41.92	42.33	40.42	39.88	38.45	35.60	34.27	36.98	38.45	39.70
28	40.80	41.34	41.92	42.35	40.43	39.87	38.40	35.55	34.40	37.06	38.45	39.75
29	40.81		41.93	41.92	40.44	39.84	38.38	35.48	34.50	37.13	38.45	39.82
30	40.82		41.94	41.70	40.45	39.74	38.35	35.40	34.62	37.20	38.50	.....
31	40.82		41.97		40.47		38.30	35.33		37.25		.....

Lower Bear River Valley

(B-12-4)11cb. State claim 14152. Adolph Harris. Drilled unused water-table well in alluvium, diameter 4 inches, depth 150 feet, cased to 150. Highest water level 112.90 below lsd, Aug. 27, 1951; lowest 130.75 below lsd, Oct. 8, 1936. Records available: 1936-54. Apr. 14, 113.07; Oct. 12, 113.12.

Blue Springs Valley

(B-13-5)17bca-1. State claim 3776. Ross A. Miller. Driven domestic and stock artesian well in alluvium, diameter 6 inches, depth 135 feet, cased to 135. Highest water level 59.75 below lsd, Aug. 27, 1951; lowest 94.50 below lsd, May 27, 1952. Records available: 1935-54. Apr. 14, 60.20; Oct. 12, 60.20.

Curlew Valley

(B-12-11)16cdc-1. U. S. Bureau of Land Management. Drilled unused artesian well in gravel, diameter 8 inches, depth 126 feet, cased to 126. Highest water level 8.24 below lsd, Oct. 25, 1945; lowest 9.95 below lsd, Oct. 10, 1936. Records available: 1935-36, 1938-54. Apr. 14, 8.36; Oct. 14, 9.35.

(B-14-8)11ab. Bealy S. Cutler. Jetted stock artesian well in alluvium, diameter 4 inches, depth 73 feet. Highest water level 39.55 below lsd, Oct. 31, 1951; lowest 48.00 below lsd, Apr. 1, 1940. Records available: 1936-54. Apr. 14, 45.48; Oct. 12, 43.50.

(B-14-9)10ada-1. Abe Rose. Driven domestic artesian well in alluvium, diameter 6 inches, depth 171 feet, cased to 135. Highest water level 96.00 below lsd, Nov. 15, 1950; lowest 100.50 below lsd, Apr. 6, 1939. Records available: 1936-42, 1944-54. Apr. 14, 98.57; Oct. 12, 97.98.

Grouse Creek Valley

(B-10-18)28dcd-1. State application 13796. U. S. Bureau of Land Management. Drilled stock artesian well in alluvium, diameter 6 inches, depth 252 feet, cased to 210. Highest water level 117.98 below lsd, Oct. 13, 1954; lowest 120.66 below lsd, Oct. 23, 1944. Records available: 1939-54. Apr. 14, 118.15; Oct. 13, 117.98.

(B-11-18)23bb. Central Pacific Railroad. Dug unused water-table well in coarse gravel, diameter 4 feet, depth 27 feet. Highest water level 2.16 below lsd, June 9. 1952; lowest 23.68 below lsd, Oct. 10, 1936. Records available: 1936, 1939-54. Oct. 13, 22.68.

(B-11-18)33ada-1. State application 18061. Ross Warburton. Drilled irrigation artesian well in alluvium, diameter 16 inches, depth 59 feet, cased to 59. Highest water level 20.05 below lsd, Oct. 24, 1952; lowest 30.75 below lsd, Oct. 13, 1954. Records available: 1948-54. Apr. 14, 28.16; Oct. 13, 30.75.

Park Valley

(B-12-14)2aa. Albert Hirschie. Dug unused water-table well in alluvium, diameter 4 feet, depth 16 feet, lined with rock. Highest water level 7.18 below lsd, Nov. 1, 1951; lowest 11.75 below lsd, Sept. 29, 1939. Records available: 1936, 1938-54. Apr. 15, 7.44; Oct. 14, 11.00.

(B-13-14)25cb. J. Henry Kunzler. Dug domestic water-table well in alluvium, diameter 4 feet, depth 28 feet, lined with rock. Highest water level 9.30 below lsd, Aug. 6, 1942; lowest 17.80 below lsd, Oct. 14, 1954. Records available: 1936, 1938-54. Apr. 14, 14.03; Oct. 14, 17.80.

Raft River Valley

(B-13-17)1dab-1. State claim 18695. Lynn School District. Drilled domestic artesian well in valley fill, diameter 4 inches, depth 180 feet, cased to 180. Highest water level 19.30 below lsd, Aug. 28, 1951; lowest 26.00 below lsd, Oct. 12, 1954. Records available: 1948-54. Apr. 14, 25.32; Oct. 12, 26.00.

(B-14-15)3ddd-1. State claim 19482. Morris A. Smith. Dug domestic water-table well in alluvium, diameter 4 feet, depth 56 feet, lined with rock. Highest water level 28.80 below lsd, May 28, 1952; lowest 51.81 below lsd, Apr. 14, 1954. Records available: 1935-36, 1938-54. Apr. 14, 51.81; Oct. 12, 51.60.

Cache County

Cache Valley

(A-10-1)4ab. O. H. Anderson. Drilled unused artesian well in alluvium, diameter 12 to 10 inches, depth 240 feet, cased to 240. Highest water level 8.53 below lsd, Oct. 7, 1948; lowest 10.53 below lsd, Mar. 30, 1953. Records available: 1936-54. Dec. 6, 9.75.

(A-11-1)30bbd-2. State claim 18191. Wilford Ward. Jetted domestic artesian well in alluvium, diameter 2 inches, depth 200 feet. Highest water level 6.2 above lsd, Oct. 22, 1952; lowest 6.45 below lsd, June 24, 1940. Records available: 1936-54. Apr. 13, +0.40; Dec. 6, -1.65.

(A-12-1)29bdd-1. Arnold Nielsen. Drilled unused artesian well in alluvium, diameter 2 inches, depth 43 feet. Highest water level 22.9 above lsd, Sept. 25, 1950; lowest 13.6 above lsd, Aug. 24, 1940. Records available: 1940-54.

Daily noon water level above lsd from recorder graph*

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	18.0	18.5	19.1	19.0	18.4	18.6	19.1	18.9
2	....	18.1	18.6	19.3	19.1	18.3	18.7	19.2	19.0
3	....	18.2	18.8	19.1	19.2	18.3	18.8	19.0	19.0
4	....	18.1	19.0	19.3	19.2	18.2	18.6	19.0	18.9
5	....	18.1	18.7	19.3	19.1	18.2	18.7	18.8	18.8
6	....	18.2	18.7	19.4	19.1	18.2	18.7	18.8	18.8
7	....	18.0	18.8	19.1	18.9	18.3	18.7	18.8	18.8
8	....	18.1	18.8	19.1	18.9	18.3	....	18.7	18.7
9	....	18.2	18.7	19.1	18.9	18.3	....	18.7	18.8
10	....	18.2	18.7	19.1	18.9	18.4	....	19.0	18.8
11	....	18.2	19.0	19.3	18.6	18.4	....	18.9	18.8
12	....	18.2	19.1	19.2	18.5	18.4	....	18.7	18.7
13	18.2	18.3	19.2	19.1	18.5	18.5	....	18.5	18.7
14	18.2	18.3	19.2	18.9	18.6	18.4	....	18.6	18.7
15	18.2	18.2	19.1	18.9	18.5	18.4	18.7	18.8	18.6
16	18.1	18.2	19.1	18.9	18.5	18.4	18.8	18.8	18.7
17	18.2	18.3	19.1	19.2	18.5	18.5	18.9	18.8	18.5
18	18.3	18.3	18.9	19.2	18.5	18.5	19.0	18.8	18.5
19	18.2	18.4	19.0	19.2	18.5	18.4	18.8	18.8	18.6
20	18.3	18.2	19.0	19.3	18.5	18.5	18.7	18.9	18.6
21	18.4	18.3	19.0	19.3	18.4	18.5	18.8	18.8	18.5
22	18.4	18.3	19.1	19.2	18.4	18.6	18.8	19.0	18.7
23	18.3	18.4	19.1	19.2	18.4	18.5	18.7	19.0	18.6
24	18.4	18.4	19.0	19.3	18.5	18.4	18.7	18.9	18.7
25	18.3	18.5	18.9	19.3	18.4	18.6	18.8	19.1	18.5

(A-12-1)29bdd-1--Continued.

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	18.2	18.5	18.9	19.2	18.4	18.6	18.9	19.0	18.5
27	18.2	18.5	18.9	19.3	18.3	18.7	18.7	19.0	18.4
28	18.2	18.6	19.1	19.2	18.4	18.8	19.1	19.0	18.4
29	18.1	18.5	19.3	19.1	18.4	18.7	18.9	19.1	18.7
30	18.1	18.5	19.4	18.9	18.5	18.7	19.1	19.0	....
31		18.6		18.9	18.5		19.1		....

*No record for January, February, and March.

(A-12-1)31dab-1. State claim 2537. R. S. Painter. Drilled stock irrigation artesian well in alluvium, diameter 3 inches, depth 132 feet, cased to 132. Land-surface datum is 4,431.1 feet above msl. Highest water level 42.4 above lsd, Oct. 23, 1952; lowest 27.4 above lsd, Sept. 30, 1937. Records available: 1936-47, 1949-54. Apr. 13, +38.1; Dec. 7, +35.2.

(A-13-1)29bdb-1. State claim 1682. J. C. Cannell. Jetted stock artesian well in alluvium, diameter 2 inches, depth 108 feet, cased to 106. Highest water level 9.9 above lsd, Aug. 14, 1936; lowest 5.40 below lsd, Feb. 20, 1942. Records available: 1938-54. Apr. 13, 5.19; Dec. 6, 2.50.

(A-14-1)22bad-1. State claim 17652. C. B. Stoddard. Jetted stock artesian well in alluvium, diameter 3 inches, depth 114 feet. Land-surface datum is 4,467.36 feet above msl. Highest water level 13.5 above lsd, May 14, 1942; lowest 2.88 above lsd, Dec. 27, 1939. Records available: 1938-54. Apr. 13, +4.72; Dec. 6, +3.05.

(A-14-1)34adb-1. State claim 1373. Crockett Well Co. Drilled irrigation artesian well in alluvium, diameter 12 to 8 inches, depth 150 feet, cased to 100, perforations 10-68. Highest water level 3.76 below lsd, June 24, 1940; lowest 17.99 below lsd, Dec. 27, 1939. Records available: 1935-54. Apr. 13, 16.14; Dec. 6, 16.38.

(B-13-1)30acc-1. State claim 2757. E. R. Ballard. Jetted stock artesian well in fine gravel, diameter 2 inches, depth 90 feet, cased to 90. Highest water level 23.4 above lsd, Aug. 9, 1949; lowest 15.7 above lsd, Mar. 6, 1936. Records available: 1936-54. Apr. 13, +20.4; Dec. 7, +20.4.

Davis County

East Shore Area
(For other wells in this area see Box Elder and Weber Counties.)

Bountiful District

(A-2-1)6dcd-2. State claim 188. Zions Aid Society. Jetted domestic artesian well in alluvium, diameter $1\frac{3}{4}$ inches, depth 60 feet, cased to 60. Land-surface datum is 4,292.0 feet above msl. Highest water level 17.4 above lsd, June 10, 1947; lowest 5.5 feet below lsd, Dec. 9, 1954. Records available: 1946-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 10	9.5	July 16	10.1	Sept. 14	7.1	Nov. 18	5.7
Apr. 15	9.7	Aug. 12	9.9	Oct. 18	7.5	Dec. 9	5.5
June 8	10.4						

(A-2-1)7aba-4. State claim 14688. Kate M. Chase. Jetted domestic artesian well in alluvium, diameter 3 inches, depth 450 feet, cased to 450. Land-surface datum is 4,279.5 feet above msl. Highest water level 33.6 above lsd, June 10, 1947; lowest 19.1 above lsd, Dec. 13, 1948. Records available: 1946-51. No measurement made in 1954.

(A-2-1)7ddc-1. State claims 4989 and 8155. Centerville City Corp. Drilled municipal artesian well in alluvium, diameter 12 inches, depth 370 feet. Land-surface datum is 4,322.5 feet above msl. Highest water level 4.43 below lsd, June 17, 1947; lowest 19.33 below lsd, July 16, 1954. Records available: 1939, 1945-54. Mar. 10, 11.50; Apr. 15, 12.30; July 16, 19.33; Oct. 18, 18.50.

(A-2-1)17ccb-1. State claim 11318. Will Holbrook. Dug unused water-table well in alluvium, diameter 6 feet, depth 45 feet, cased to 45. Land-surface datum is 4,372.6 feet above msl. Highest water level 20.88 below lsd, Aug. 28, 1953; lowest 37.15 below lsd, Mar. 10, 1941. Records available: 1937-54. Mar. 10, 32.96; Apr. 15, 28.36; July 16, 30.00; Oct. 18, 31.12.

(A-2-1)18abd. T. Q. Williams. Jetted unused artesian well in alluvium, diameter 2 inches, depth 90 feet, cased to 90. Highest water level 31.6 above lsd, June 9, 1944; lowest 10.2 above lsd, Aug. 25, 1954. Records available: 1938-54.

Daily noon water level above lsd from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.8	20.6	20.9	20.2	20.4	20.3	17.9	11.0	....	14.0	14.3	13.7
2	20.7	20.5	20.9	20.2	20.4	20.3	17.9	10.5	....	14.2	14.4	13.8
3	20.8	20.5	20.9	20.3	21.4	19.7	16.0	11.2	....	14.2	14.4	13.8
4	20.7	20.6	20.9	20.2	20.0	18.7	13.4	11.5	13.9	14.2	14.3	13.8
5	20.7	20.7	20.9	20.2	19.9	19.1	13.8	14.0	13.5	13.5	13.3	13.8
6	20.6	20.5	20.9	20.0	20.6	19.7	14.1	14.3	13.4	13.6	13.1	13.9
7	20.8	20.6	21.0	20.0	20.4	20.3	13.5	14.5	13.5	14.3	13.3	14.0
8	20.6	20.6	20.6	20.1	19.8	20.7	13.2	14.4	13.5	13.9	14.0	13.9
9	20.5	20.7	20.6	20.2	19.0	20.8	13.1	13.9	13.5	14.2	14.1	14.0
10	20.5	20.7	20.6	20.1	18.4	20.9	11.2	12.4	13.5	14.3	13.8	14.0
11	20.6	20.7	20.5	20.1	18.1	20.6	12.8	12.5	13.0	14.4	13.9	14.0
12	20.7	20.8	20.4	20.2	18.6	20.7	11.9	12.5	12.8	14.3	13.7	14.0
13	20.6	21.0	20.3	20.3	17.8	19.7	....	11.4	12.7	14.2	13.6	14.2
14	20.7	20.9	20.3	20.1	17.0	19.8	....	11.4	13.5	14.1	13.4	14.3
15	20.7	20.7	20.4	20.2	17.4	20.4	....	10.8	13.0	14.3	13.7	14.2
16	20.8	20.8	20.5	20.4	17.2	20.4	....	10.8	....	14.3	13.6	14.1
17	20.8	20.9	20.5	20.3	17.3	20.3	11.4	10.6	....	15.0	13.4	14.1
18	20.7	21.0	20.3	20.4	17.6	19.4	12.1	11.2	....	15.1	13.5	14.0
19	20.7	20.8	20.3	20.3	17.7	19.6	12.1	11.2	13.5	15.3	13.5	14.1
20	20.6	20.7	20.3	20.4	18.2	17.4	11.8	11.4	12.7	14.7	13.4	14.3
21	20.6	20.8	20.2	20.3	17.5	17.5	12.4	11.2	12.5	14.5	13.7	14.3
22	20.6	20.7	20.2	20.3	18.3	16.5	13.0	11.6	12.4	14.4	13.8	14.1
23	20.8	20.8	20.3	20.1	19.4	16.6	12.4	11.4	12.7	14.4	13.9	14.1
24	20.7	20.9	20.3	20.0	19.9	16.7	11.9	10.9	13.5	14.3	13.7	14.3
25	20.6	21.0	20.1	19.3	20.2	16.5	11.4	10.2	13.8	14.3	13.8	14.2
26	20.6	21.0	20.1	19.2	20.3	17.2	11.4	10.8	14.2	14.3	13.8	14.4
27	20.6	20.8	20.1	18.7	20.1	17.0	11.7	10.4	14.2	14.3	13.9	14.4
28	20.6	20.8	20.3	20.4	20.0	16.2	11.8	10.8	14.3	14.4	13.8	14.4
29	20.7		20.2	20.7	20.1	17.1	11.8	....	14.3	14.4	13.9	14.5
30	20.5		20.0	20.1	20.0	16.7	11.5	....	14.0	14.3	13.8	14.6
31	20.5		20.0		20.1		11.1	....		14.4		14.7

(A-2-1)19dbc-1. State claim 1447. Bountiful City Corp. Drilled municipal artesian well in alluvium, diameter 12 to 8 inches, depth 380 feet, cased to 380. Land-surface datum is 4,367.8 feet above msl. Highest water level 57.12 below lsd, May 31, 1938; lowest 74.01 below lsd, Nov. 28, 1940. Records available: 1937-54. Mar. 10, 70.41; Apr. 15, 70.80.

(B-2-1)24bad-3. State claim 2677. Clyde Jeppson. Jetted irrigation artesian well in alluvium, diameter 3 inches, depth 386 feet, cased to 386. Land-surface datum is 4,247.6 feet above msl. Highest water level 51.5 above lsd, June 6, 1949, May 12-13, 1950; lowest 32.4 above lsd, Aug. 4, 29, Sept. 16, 1954. Records available: 1945-54.

Daily noon water level above lsd from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	45.4	44.3	43.8	43.6	41.5	38.8	37.1	....	....	....	33.7	34.7
2	45.0	44.4	43.9	43.8	41.4	38.6	....	....	....	....	33.6	34.7
3	45.4	44.2	43.7	43.9	41.7	....	....	....	32.5	....	33.4	34.6
4	45.2	44.1	43.6	43.8	41.8	....	....	32.4	33.1	....	33.3	34.6
5	45.2	44.3	43.8	43.9	41.6	....	....	33.5	33.3	....	33.4	34.6
6	45.1	44.1	43.9	43.7	41.7	37.6	....	33.9	33.5	....	....	34.5
7	45.1	43.5	43.8	43.6	41.4	38.7	....	34.1	33.5	....	....	34.6
8	44.9	43.8	43.7	43.6	41.4	39.1	....	34.2	....	....	....	....
9	44.8	43.8	44.0	43.7	....	38.9	....	....	....	32.9	....	35.0
10	44.8	43.5	43.7	43.4	41.4	39.1	....	....	....	33.1	....	35.0
11	45.0	43.5	43.6	42.9	41.0	....	....	....	....	33.6	33.9	34.5
12	45.1	44.2	43.6	43.4	41.3	....	....	....	....	....	34.2	34.3
13	44.9	44.0	43.7	43.4	40.9	....	....	....	....	....	34.4	34.5
14	44.9	44.6	43.7	43.3	....	38.0	34.7	....	....	....	34.8	34.4
15	45.1	44.7	43.9	43.1	39.0	....	34.5	....	....	....	34.8	34.4
16	45.0	44.0	44.3	43.3	38.9	37.8	34.9	....	32.4	....	34.8	34.3
17	45.0	44.1	44.1	43.2	....	37.9	34.9	....	....	....	34.7	34.3
18	45.0	43.7	43.8	43.0	39.1	38.2	34.8	....	....	....	34.7	34.2
19	45.0	43.7	43.9	42.8	38.4	37.5	34.7	....	....	....	34.8	34.4
20	45.0	43.6	43.9	42.9	38.3	....	34.6	....	....	....	34.7	34.3

(B-2-1)24bad-3--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	44.8	43.9	43.6	42.8	38.6	....	34.9	....	....	....	34.6	34.4
22	44.5	43.8	43.7	42.6	38.6	....	....	....	....	....	34.7	34.4
23	44.7	44.0	43.9	42.6	38.8	....	....	....	....	....	34.7	34.3
24	44.5	43.9	43.7	42.6	39.0	....	....	....	....	....	35.0	34.3
25	44.5	43.9	43.4	42.3	39.0	....	33.8	....	32.9	....	34.6	34.2
26	44.6	43.8	43.6	42.3	38.4	35.8	33.0	....	....	....	34.9	34.1
27	44.5	43.7	43.6	42.1	38.4	36.4	33.8	....	....	....	35.0	....
28	44.5	43.7	43.7	41.8	38.4	37.1	....	....	33.6	....	34.6	....
29	....		43.8	41.4	38.6	37.4	....	32.4	33.7	33.1	34.8	....
30	....		43.6	41.5	38.6	37.5	....	....	33.8	33.5	34.7	34.1
31	44.2		43.6		....		....	....		33.6		34.1

(B-2-1)25caa-4. Adolphus Ellis. Jetted unused artesian well in alluvium, diameter 2 inches. Land-surface datum is 4,305 feet above msl. Highest water level 6.19 below lsd, Sept. 3, 1947; lowest 20.71 below lsd, Dec. 9, 1954. Records available: 1936, 1946-52, 1954. June 23, 16.41; July 26, 16.62; Aug. 2, 16.95; Aug. 9, 16.90; Oct. 5, 19.26; Dec. 9, 20.71.

(B-2-1)26aad-1. State claim 3656. N. L. Starrs. Jetted domestic artesian well in alluvium, diameter 3 inches, depth 250 feet, cased to 250. Land-surface datum is 4,243.4 feet above msl. Highest water level 51.5 above lsd, Jan. 1, 1943; lowest 32.4 above lsd, Oct. 18, 1954. Records available: 1936-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 11	+43.9	July 16	+33.8	Aug. 9	+34.6	Oct. 18	+32.4
Apr. 15	+44.2	26	+33.4	Oct. 5	+33.3	Dec. 9	+35.2
June 23	+35.1						

(B-2-1)36bad-2. State claim 4550. M. P. Parkin. Jetted unused artesian well in alluvium, diameter 2 inches, depth 85 feet, cased to 85. Land-surface datum is 4,307.9 feet above msl. Highest water level 12.00 below lsd, June 27, 1950; lowest 28.27 below lsd, Dec. 9, 1954. Records available: 1936-54.

Mar. 10	18.23	July 16	23.64	Aug. 12	24.85	Oct. 18	27.18
Apr. 15	18.90	26	24.13	Sept. 14	25.83	Nov. 18	28.07
June 8	22.43	Aug. 2	24.22	Oct. 5	26.53	Dec. 9	28.27
23	23.46	9	24.19				

(B-2-1)36bbd-1. State claim 951. Anna I. Lemon. Jetted irrigation artesian well in alluvium, diameter 3 inches, depth 167 feet, cased to 167. Land-surface datum is 4,281.8 feet above msl. Highest water level 14.6 above lsd, June 17, 1942; lowest 0.5 above lsd, Sept. 19, 1940. Records available: 1931, 1934, 1936-52. No measurement made in 1954.

Layton District

(B-3-1)15aab-1. State claim 8156. Haights Bench Irrigation Co. Drilled unused artesian well in alluvium, diameter 12 to 8 inches, depth 720 feet, cased to 635. Land-surface datum is 4,282.9 feet above msl. Highest water level 12.18 below lsd, July 2, 1953; lowest 16.35 below lsd, Dec. 11, 1935. Records available: 1935-54.

Mar. 9	12.95	June 7	12.93	Sept. 13	13.05	Nov. 18	12.69
Apr. 15	13.00	July 16	13.36	Oct. 18	12.85	Dec. 9	12.52
May 6	13.12	Aug. 12	13.25				

(B-4-1)34cbc-3. State claim 14733. Kaysville Canning Corp. Jetted industrial artesian well in alluvium, diameter 4 inches, depth 350 feet. Land-surface datum is 4,295.5 feet above msl. Highest water level 0.40 above lsd, Jan. 11, 1952; lowest 4.52 below lsd, May 26, 1946. Records available: 1937-52. No measurement made in 1954.

(B-5-3)36ada-1. State claim 3074. Mary Stoddard. Jetted domestic artesian well in alluvium, diameter 3 inches, depth 460 feet, cased to 460, perforations 360-380, 430-450. Land-surface datum is 4,227.02 feet above msl. Highest water level 37.7 above lsd, May 26, 1953, Mar. 9, 1954; lowest 18.2 above lsd, June 25, 1936. Records available: 1935-54.

Mar. 9	+37.7	July 15	+33.4	Sept. 13	+32.4	Nov. 16	+33.3
Apr. 14	+37.4	Aug. 11	+32.6	Oct. 14	+32.4	Dec. 7	+34.0
June 7	+35.7						

Duchesne County

Uinta Basin
(For other wells in this basin see Uintah County.)

U(C-1-2)4adc-1. State claim 8162. C. A. Brown. Drilled domestic artesian well in sand, diameter 6 inches, depth 400 feet, cased to 25. Highest water level 13.35 below lsd, Oct. 14, 1947; lowest 17.55 below lsd, Oct. 27, 1952. Records available: 1936-49, 1951-54. Oct. 11, 15.82.

U(C-1-2)15bbc-1. State claim 2152. R. M. Clark. Driven domestic and stock artesian well in alluvium, diameter 3/4 inch, depth 100 feet, cased to 100. Highest water level 14.3 above lsd, Apr. 4, 1949; lowest 10.1 above lsd, Oct. 3, 1949. Records available: 1935-54. Oct. 11, +11.1.

U(C-1-3)28dcd-1. D. H. Allred. Drilled unused artesian well in alluvium, diameter 5 inches, depth 30 feet. Highest water level 4.57 below lsd, Oct. 13, 1947; lowest 9.52 below lsd, Sept. 23, 1940. Records available: 1939-54. Oct. 11, 8.87.

U(C-1-4)28dcc-1. State claim 8170. State of Utah. Drilled domestic artesian well in alluvium, diameter 10 to 6 inches, depth 600 feet, cased to 345. Highest water level 2.72 below lsd, Apr. 4, 1949; lowest 10.09 below lsd, Oct. 4, 1948. Records available: 1939-54. Oct. 11, 8.85.

U(C-2-1)22bcb-1. State claim 958. Stephen Wogac. Drilled domestic artesian well in coarse sand, diameter 6 inches, depth 426 feet, cased to 80. Highest water level 50.7 above lsd, Oct. 30, 1936; lowest 15.48 below lsd, Oct. 27, 1952. Records available: 1935-43, 1945-47, 1949-52. No measurement made in 1954.

U(C-2-3)33ccd-1. Eldon B. Thompson. Drilled stock artesian well in alluvium, diameter 2 inches, depth 200 feet, cased to 200. Highest water level 6.35 above lsd, Sept. 6. 1939; lowest 1.95 above lsd, Nov. 7, 1950. Records available: 1939-54. Oct. 11, +2.30.

U(C-3-4)7cad-1. Knight Investment Co. Drilled unused artesian well in alluvium, diameter 6 inches, depth 402 feet, cased to 177. Highest water level 92.16 below lsd, Aug. 1, 1942; lowest 103.42 below lsd, Oct. 11, 1954. Records available: 1936, 1939-40, 1942-54. Oct. 11, 103.42.

U(C-3-4)21aaa-1. Knight Investment Co. Drilled unused artesian well in alluvium, diameter 4 inches, depth 261 feet, cased to 261. Highest water level 90.73 below lsd, Oct. 28, 1936; lowest 128.21 below lsd, Oct. 8, 1951. Records available: 1936-54. Oct. 11, 122.96.

Garfield County

East Sevier Valley

(C-34-2)22dab-1. State claim 8173. State of Utah. Drilled unused artesian well in sandstone, diameter 6 inches, depth 339 feet, cased to 198. Highest water level 149.63 below lsd, Dec. 9, 1949; lowest 192.86 below lsd, Dec. 2, 1954. Records available: 1947-54. Apr. 13, 187.32; Dec. 2, 192.86.

(C-36-3)6dba-1. State application 16993. Civil Aeronautics Administration. Drilled domestic artesian well in alluvium, diameter 6 inches, depth 83 feet, cased to 83. Highest water level 22.70 below lsd, Nov. 8, 1949; lowest 62.70 below lsd, Mar. 25, 1947. Records available: 1946-54. Apr. 13, 33.48; Dec. 2, 34.49.

(C-36-3)7aac-1. Lillie Stead. Dug domestic water-table well in alluvium, diameter 6 feet, depth 13 feet, lined with rock. Highest water level 1.69 below lsd, Mar. 17, 1942; lowest 11.02 below lsd, Dec. 2, 1954. Records available: 1938-54. Apr. 13, 6.32; Dec. 2, 11.02.

Upper Sevier Valley

(C-33-5)28bcd-1. State application 11739. Annie Wilcock. Drilled domestic artesian well in alluvium, diameter 6 inches, depth 200 feet. Highest water level 42.60 below lsd, July 20, 1948; lowest 52.30 below lsd, Dec. 9, 1951. Records available: 1937-54. Mar. 25, 48.46, Dec. 2, 47.17.

(C-34-5)8adb-2. D. W. Woodard. Driven unused artesian well in alluvium, diameter 5 inches, depth 93 feet, cased to 93, perforations 77-93. Highest water level 9.95 below lsd, Aug. 24, 1937; lowest 20.15 below lsd, Feb. 9, 1937. Records available: 1935-54. Mar. 25, 18.01; Dec. 2, 17.61.

Grand County

Colorado River area - Courthouse Syncline

(D-24-20)22bac-1. State application 13068. U. S. Bureau of Land Management. Drilled unused water-table well in alluvium, diameter 6 inches, depth 52 feet, cased to 41, perforations 19. Highest water level 10.97 below lsd, Dec. 1, 1943; lowest 12.84 below lsd, Aug. 7, 1951. Records available: 1942-44, 1946-54. Oct. 12, 12.41.

Green River Desert

(D-22-24)29cbc-1. State application 13068. U. S. Bureau of Land Management. Drilled unused water-table well in Morrison formation, diameter 8 inches, depth 160 feet, cased to 30. Highest water level 16.80 below lsd, Mar. 31, 1949; lowest 23.11 below lsd, Nov. 1, 1951. Records available: 1946-54. Oct. 12, 21.87.

Moab-Spanish Valley

(For other wells in this valley see San Juan County.)

(D-25-21)28add-1. State application 13068. U. S. Bureau of Land Management. Drilled unused water-table well in alluvium, diameter 8 inches, depth 67 feet. Highest water level 34.95 below lsd, June 28, 1952; lowest 38.74 below lsd, Oct. 12, 1954. Records available: 1946-54. Oct. 12, 38.74.

Iron County

Cedar City Valley

(C-34-11)36cbc-2. State claim 10820. George D. Grimshaw. Drilled unused water-table well in alluvium, diameter 8 inches, depth 195 feet, cased to 195, perforations 18-160. Land-surface datum is 5,448.1 feet above msl. Highest water level 16.38 below lsd, June 17, 1938; lowest 22.65 below lsd, Dec. 4, 1952. Records available: 1937-52. No measurement made in 1954.

(C-34-11)9cdc-1. D. C. Evans. Jetted unused water-table well in alluvium, diameter 4 inches, depth 61 feet. Land-surface datum is 5,402.3 feet above msl. Highest water level 21.53 below lsd, May 9, 1939; lowest 22.91 below lsd, Mar. 24, 1941. Records available: 1938-54. Dec. 3, 22.49.

(C-35-10)18cbb-1. Richard Williams. Drilled unused water-table well in alluvium, diameter 10 inches, depth 112 feet. Land-surface datum is 5,550.22 feet above msl. Highest water level 41.95 below lsd, Mar. 22, 1943; lowest 80.89 below lsd, Oct. 5, 1953. Records available: 1937-54. Mar. 10, 55.23; Nov. 5, 73.70; Nov. 10, 71.55; Nov. 17, 69.47; Nov. 23, 67.77; Nov. 29, 66.53; Dec. 4, 65.62.

(C-35-11)8cdd-1. State claim 13703. Charles L. Corry. Drilled unused artesian well in alluvium, diameter 6 inches, depth 130 feet, cased to 130, perforations 115-130. Land-surface datum is 5,489.5 feet above msl. Highest water level 8.26 below lsd, Mar. 23, 1943; lowest 29.48 below lsd, Aug. 1, 1953. Records available: 1937-54. Mar. 9, 16.22; Dec. 2, 19.82.

(C-35-11)15aac-1. State claim 1220. H. D. Haight. Drilled stock artesian well in alluvium, diameter 7 inches, depth 145 feet, cased to 145. Land-surface datum is 5,502.7 feet above msl. Highest water level 5.27 below lsd, June 28, 1938; lowest 12.69 below lsd, Dec. 2, 1954. Records available: 1937-54. Mar. 10, 10.61; Dec. 3, 12.69.

(C-35-11)21dbd-1. State claim 1222. Ezra Rollo. Drilled unused water-table well in alluvium, diameter 12 to 10 inches, depth 228 feet. Land-surface datum is 5,533.25 feet above msl. Highest water level 20.48 below lsd, Oct. 19, 1943; lowest 36.73 below lsd, Aug. 25, 1954. Records available: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	33.00	Mar. 27	32.01	July 27	35.10	Oct. 31	35.41
Feb. 4	32.78	Apr. 27	33.03	Aug. 25	36.73	Nov. 6	35.37
Mar. 2	32.43	May 29	34.04	Sept. 27	36.36	Dec. 3	36.53
9	32.36	June 25	34.64				

(C-35-11)21dcc-1. State claim 11599. Wilford R. Fife. Drilled irrigation artesian well in alluvium, diameter 12 inches, depth 180 feet, cased to 95. Land-surface datum is 5,538.56 feet above msl. Highest water level 22.90 below lsd, Dec. 11, 1943; lowest 40.60 below lsd, Aug. 23, 1951. Records available: 1931-54. Mar. 9, 35.04.

(C-35-11)27acc-1. State claim 382. Fernleigh Gardner. Drilled irrigation artesian well in coarse gravel, diameter 12 inches, depth 114 feet, cased to 113, perforations 47-54, 74-76, 89-113. Land-surface datum is 5,553.00 feet above msl. Highest water level 30.14 below lsd, June 25, 1942; lowest 55.30 below lsd, Dec. 2, 1954. Records available: 1931-54. Mar. 9, 49.24; Dec. 2, 55.30.

(C-35-11)31acd-1. State claim 13498. Heber C. Jenson. Drilled unused artesian well in alluvium, diameter 12 inches, depth 248 feet, cased to 248, perforations 81-87, 168-175, 200-202, 222-227, 242-248. Highest water level 15.3 below lsd, Mar. 30, 1933; lowest 45.12 below lsd, Oct. 5, 1953. Records available: 1930-54. Mar. 9, 28.94; Dec. 4, 35.08.

(C-35-11)33aac-1. State claim 5126. Cottonwood Pump and Irrigation Co. Drilled irrigation water-table well, diameter 16 inches, depth 138 feet, cased to 136, perforations 52-136. Land-surface datum is 5,576.65 feet above msl. Highest water level 55.70 below lsd, Mar. 22, 1943; lowest 80.91 below lsd, Oct. 5, 1953. Records available: 1930-54. Mar. 9, 72.33; Dec. 2, 79.40.

(C-35-12)34dcd-1. State claim 4873. R. J. and W. M. Shay. Drilled unused artesian well in alluvium, diameter 12 inches, depth 120 feet, casing to 120, perforations 12-120. Land-surface datum is 5,485.38 feet above msl. Highest water level 15.00 below lsd, Apr. 17, 1937; lowest 21.35 below lsd, Dec. 2, 1954. Records available: 1936-54. Mar. 2, 17.11; Dec. 2, 21.35.

(C-36-11)8aab-1. State claim 13494. Leonard Hargrave. Drilled domestic and stock water-table well in alluvium, diameter 10 inches, depth 105 feet, cased to 105, perforations 55-105. Land-surface datum is 5,562.5 feet above msl. Highest water level 45.67 below lsd, Mar. 23, 1943; lowest 68.07 below lsd, Oct. 3, 1951. Records available: 1935-54. Mar. 9, 59.70; Dec. 2, 67.69.

(C-36-12)12dba-1. State claim 15411. Branch Agricultural College. Drilled irrigation artesian well in alluvium, diameter 10 to 8 inches, depth 600 feet, cased to 600, perforations 200-600. Highest water level 10.35 below lsd, Mar. 23, 1943; lowest 23.60 below lsd, Nov. 2, 1953. Records available: 1936-54. Mar. 2, 19.84.

(C-36-12)20ddc-1. State claim 13516. E. L., H. D., and L. M. Jones. Jetted unused artesian well in alluvium, diameter 2 inches. Land-surface datum is 5,475.7 feet above msl. Highest water level 1.50 below lsd, Mar. 23, 1950; lowest 3.05 below lsd, Dec. 2, 1940. Records available: 1940-54. Mar. 23, 2.88.

(C-37-12)11dbc-1. State claim 20452. Oliver Berkhelder. Drilled unused water-table well in alluvium, diameter 12 inches, depth 24 feet. Land-surface datum is 5,480.8 feet above msl. Highest water level 6.12 below lsd, Apr. 4, 1952; lowest 10.30 below lsd, Dec. 2, 1940. Records available: 1938-54. Mar. 23, 8.63.

(C-38-12)3bcb-1. State application 12845. Ford & Williams. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 210 feet, cased to 210. Land-surface datum is 5,481.65 feet above msl. Highest water level 65.08 below lsd, Dec. 8, 1945; lowest 71.15 below lsd, Mar. 22, 1941. Records available: 1937-54. Mar. 23, 68.94.

Escalante Valley

(For other wells in this valley see Beaver, Millard, and Washington Counties.)

(C-31-13)1a-1. State claim 6486. Cook Bros. Drilled unused water-table well in alluvium, diameter 12 inches, depth 114 feet. Land-surface datum is 5,071.23 feet above msl. Highest water level 27.48 below lsd, Mar. 20, 1947; lowest 28.66 below lsd, Dec. 10, 1942. Records available: 1938-51, 1953. No measurement made in 1954.

(C-32-12)6cbb-1. Geo. A. Lowe, Jr. Dug stock water-table well in alluvium, diameter 5 feet, depth 69 feet, cased to 60. Highest water level 59.92 below lsd, Oct. 11, 1945; lowest 60.36 below lsd, Mar. 15, 1943. Records available: 1940-45, 1948-52. No measurement made in 1954.

(C-33-15)12aaa-1. State of Utah. Dug unused water-table well in alluvium, diameter 12 inches, depth 18 feet. Land-surface datum is 5,110.7 feet above msl. Highest water level 15.50 below lsd, Dec. 5, 1953; lowest 17.10 below lsd, May 5, 1939. Records available: 1939-43, 1945-53. No measurement made in 1954.

(C-33-15)19bba. Latter Day Saints Church. Drilled stock water-table well in alluvium, diameter 6 inches. Land-surface datum is 5,201 feet above msl. Highest water level 85.00 below lsd, July 11, 1949, Dec. 12, 1950; lowest 85.68 below lsd, Dec. 5, 1953. Records available: 1949-53. No measurement made in 1954.

(C-33-15)31cbb-1. Jesse Carlson. Drilled domestic water-table well in alluvium, diameter 8 inches, depth 53 feet, Colorado casing. Highest water level 25.17 below lsd, Oct. 13, 1951; lowest 26.98 below lsd, Oct. 10, 1946. Records available: 1936-53. No measurement made in 1954.

(C-34-14)31ccc-1. U. S. Geol. Survey test well. Drilled unused water-table well in alluvium, diameter 2 inches, depth 20 feet, cased to 3. Land-surface datum is 5,127.4 feet above msl. Highest water level 12.32 below lsd, Apr. 5, 1952; lowest 15.26 below lsd, Aug. 29, 1946. Records available: 1939-43, 1945-53. No measurement made in 1954.

(C-34-16)9cbc-1. Augustus Lott. Drilled unused water-table well in alluvium, diameter 10 inches, depth 18 feet. Land-surface datum is 5,131.7 feet above msl. Highest water level 6.11 below lsd, Apr. 3, 1952; lowest 9.12 below lsd, Dec. 13, 1943. Records available: 1937-54. Mar. 16, 8.57; Oct. 15, 8.74; Dec. 7, 8.86.

(C-34-16)28bcc-2. I. M. Matson. Drilled unused water-table well in alluvium, diameter 12 inches, depth 67 feet, perforations 0-67. Land-surface datum is 5,134.4 feet above msl. Highest water level 8.97 below lsd, May 25, 1937; lowest 13.50 below lsd, Dec. 7, 1954. Records available: 1935-54. Oct. 15, 13.20; Dec. 7, 13.50.

(C-34-16)29ccc-1. State application 16524. Monte Miller. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 203 feet, cased to 203. Land-surface datum is 5,141.4 feet above msl. Highest water level 9.85 below lsd, Dec. 9, 1949; lowest 14.18 below lsd, Dec. 7, 1954. Records available: 1949-54. Mar. 16, 12.56; Dec. 7, 14.18.

(C-34-16)33cdc-2. Utah Land Security. Drilled unused water-table well in alluvium, diameter 6 inches, depth 37 feet. Land-surface datum is 5,141.5 feet above msl. Highest water level 12.06 below lsd, Mar. 31, 1945; lowest 18.40 below lsd, Dec. 7, 1954. Records available: 1939-45, 1948-54. Mar. 16, 16.66; Dec. 7, 18.40.

(C-34-17)24cbb-1. State claim 6835. Marvin H. Hughes. Drilled unused water-table well in alluvium, diameter 8 inches, depth 40 feet, cased to 40, perforations 0-40. Land-surface datum is 5,150.7 feet above msl. Highest water level 14.15 below lsd, Mar. 16, 1943; lowest 18.50 below lsd, Dec. 7, 1954. Records available: 1937-45, 1949-51, 1953-54. Mar. 16, 17.35; Dec. 7, 18.50.

(C-35-12)18ddd-2. State claim 11258. Columbia Steel Co. Drilled unused water-table well in alluvium, diameter 10 inches, depth 44 feet. Land-surface datum is 5,385.2 feet above msl. Highest water level 10.57 below lsd, May 8, 1939; lowest 13.90 below lsd, Dec. 6, 1953. Records available: 1935-53. No measurement made in 1954.

(C-35-15)3dcc-2. State claim 3788. E. J. Graff. Drilled irrigation artesian well in alluvium, diameter 16 inches, depth 350 feet, cased to 350, perforations 60-136, 260-280, 285-308. Land-surface datum is 5,138.37 feet above msl. Highest water level 10.60 below lsd, Apr. 19, 1949; lowest 16.83 below lsd, Apr. 30, 1946. Records available: 1936-54. Mar. 16, 16.73; Dec. 8, 16.62.

(C-35-15)6cdd-1. Frank Bridel. Drilled unused water-table well in alluvium, diameter 12 inches, depth 170 feet, Colorado casing. Land-surface datum is 5,139.0 feet above msl. Highest water level 11.40 below lsd, May 23, 1937; lowest 16.23 below lsd, Dec. 8, 1954. Records available: 1936-54. Mar. 16, 15.10; Dec. 8, 16.23.

(C-35-15)10bdc-2. State application 12134. Walter Martin. Drilled irrigation artesian well in alluvium, diameter 16 inches, depth 271 feet. Highest water level 13.88 below lsd, Apr. 21, 1942; lowest 19.33 below lsd, Aug. 25, 1938. Records available: 1936-45, 1949-54. Mar. 16, 15.98; Dec. 8, 17.47.

(C-35-15)16ddd-1. State application 12838. Kumen Jones. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 315 feet, cased to 315, perforations 50-252. Land-surface datum is 5,156.3 feet above msl. Highest water level 23.96 below lsd, Mar. 28, 1950; lowest 27.43 below lsd, Dec. 8, 1954. Records available: 1949-54. Mar. 16, 26.38; Dec. 8, 27.43.

(C-35-15)28bdc-1. State application 15593. E. J. Graff. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 180 feet, cased to 180. Highest water level 31.30 below lsd, June 12, 1950; lowest 42.90 below lsd, Dec. 8, 1954. Records available: 1949-54. Mar. 16, 41.84; Dec. 8, 42.90.

(C-35-16)6ccc-2. M. Emily Jones. Drilled unused water-table well in alluvium, diameter 8 inches, depth 60 feet, cased to 60. Land-surface datum is 5,154.77 feet above msl. Highest water level 17.46 below lsd, Apr. 16, 1938; lowest dry at 29.0 below lsd, Dec. 7, 1954. Records available: 1937-39, 1949-54. Dec. 7, dry at 29.0.

(C-35-16)14ddc-1. John McGary. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 100 feet. Land-surface datum is 5,155.19 feet above msl. Highest water level 20.63 below lsd, Dec. 10, 1949; lowest 27.72 below lsd, Dec. 7, 1954. Records available: 1948-54. Mar. 16, 26.27; Dec. 7, 27.72.

(C-35-16)15abb-1. H. G. Dewey. Drilled unused water-table well in alluvium, diameter 12 inches, depth 40 feet, cased to 40. Land-surface datum is 5,151.4 feet above msl. Highest water level 17.32 below lsd, May 28, 1937; lowest 26.26 below lsd, Dec. 5, 1953. Records available: 1937, 1949-53. No measurement made in 1954.

(C-35-16)16bbc-1. State application 16835. Marion Beckstrom. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 174 feet, cased to 174, perforations 50-174. Land-surface datum is 5,154.45 feet above msl. Highest water level 20.85 below lsd, Mar. 26, 1950; lowest 29.21 below lsd, Oct. 15, 1954. Records available: 1947, 1949-54. Mar. 16, 26.31; Oct. 15, 29.21; Dec. 7, 28.39.

(C-35-16)20dcc-1. State claim 11630. Eva Hard. Drilled unused water-table well in alluvium, diameter 12 inches, depth 98 feet, cased to 98, perforations 58-98. Land-surface datum is 5,161.9 feet above msl. Highest water level 19.69 below lsd, May 24, 1937; lowest 34.50 below lsd, Sept. 17, 1953. Records available: 1937-40, 1942, 1949-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	32.44	Jan. 20	32.36	Feb. 4	32.33	Feb. 14	32.31
10	32.41	25	32.34	9	32.32	19	32.28
15	32.39	30	32.34				

(C-35-16)28bcc-1. State application 15771. Bruno Biasi. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 200 feet, cased to 200. Land-surface datum is 5,167.07 feet above msl. Highest water level 27.45 below lsd, Dec. 8, 1948; lowest 39.34 below lsd, Oct. 15, 1954. Records available: 1948-54. Mar. 16, 35.29; Oct. 15, 39.34; Dec. 7, 38.19.

(C-35-16)31abc-1. State application a2109. C. E. Mitchell. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 150 feet. Highest water level 36.36 below lsd, Apr. 21, 1949; lowest 49.24 below lsd, Oct. 15, 1954. Records available: 1948-54. Mar. 17, 44.09; Oct. 15, 49.24; Dec. 7, 47.42.

(C-35-17)3ccc-1. State application 17133. Milt Sevy. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 240 feet, cased to 240. Land-surface datum is 5,190.2 feet above msl. Highest water level 46.64 below lsd, Apr. 20, 1949; lowest 51.48 below lsd, Oct. 15, 1954. Records available: 1949-54. Oct. 15, 51.48; Dec. 7, 51.22.

(C-35-17)13bdc-1. State claim 14228. Austin D. Moyle. Drilled unused water-table well in alluvium, diameter 24 inches, depth 100 feet. Land-surface datum is 5,164.8 feet above msl. Highest water level 25.99 below lsd, Apr. 16, 1938; lowest 43.42 below lsd, Sept. 5, 1954. Records available: 1937-42, 1949-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	37.16	36.73	36.33	36.07	36.09	39.19	40.76	42.28	43.02	41.70	40.20	39.36
2	37.16	36.73	36.34	36.07	36.15	39.19	40.63	42.08	43.14	41.76	40.16	39.35
3	37.14	36.70	36.31	36.09	36.16	39.20	40.54	42.17	43.25	41.72	40.14	39.30
4	37.15	36.68	36.32	36.08	36.24	39.25	40.45	42.35	43.34	41.64	40.13	39.30
5	37.13	36.67	36.32	36.08	36.55	39.30	40.41	42.43	43.42	41.55	40.09	39.26
6	37.09	36.67	36.28	36.07	36.72	39.37	40.63	42.56	43.40	41.51	40.05	39.23
7	37.06	36.66	36.29	36.09	36.83	39.44	40.90	42.67	43.25	41.64	40.01	39.20
8	37.05	36.63	36.26	36.04	36.88	39.50	41.07	42.72	43.07	41.56	39.99	.....
9	37.06	36.57	36.22	36.00	36.83	39.54	41.13	42.84	42.93	41.48	39.96	.....
10	37.04	36.57	36.17	35.99	36.88	39.70	41.14	42.94	42.83	41.37	39.93	.....
11	36.98	36.56	36.22	35.99	37.03	39.81	41.13	42.98	42.75	41.27	39.89	.....
12	36.97	36.53	36.26	35.98	37.16	39.94	41.23	43.07	42.70	41.18	39.85	.....
13	36.96	36.51	36.25	35.93	37.31	40.10	41.29	42.97	42.67	41.11	39.84	.....
14	36.95	36.51	36.23	35.00	37.39	40.34	41.37	42.98	42.65	41.05	39.82	.....
15	36.96	36.56	36.16	36.04	37.40	40.50	41.43	43.00	42.64	41.00	39.77	.....
16	36.93	36.53	36.13	35.94	37.55	40.59	41.54	42.84	42.59	40.92	39.74	.....
17	36.88	36.47	36.23	35.91	37.66	40.61	41.67	42.86	42.54	40.85	39.73	.....
18	36.87	36.50	36.31	35.94	37.55	40.61	41.80	42.87	42.48	40.80	39.72	.....
19	36.84	36.55	36.22	35.98	37.71	40.61	41.92	42.93	42.52	40.74	39.68	.....
20	36.86	36.47	36.19	35.95	37.84	40.64	42.03	42.97	42.53	40.71	39.58	.....

(C-35-17)13bdc-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	36.93	36.46	36.19	35.93	37.94	40.66	42.13	43.03	42.46	40.66	39.60	.....
22	36.86	36.47	36.17	35.96	38.05	40.58	42.12	43.05	42.43	40.60	39.58	.....
23	36.82	36.44	36.12	35.96	38.20	40.69	42.03	43.05	42.41	40.54	39.55	.....
24	36.78	36.38	36.16	35.98	38.27	40.73	42.04	43.07	42.28	40.47	39.48	.....
25	36.79	36.37	36.22	35.96	38.43	40.65	42.06	42.99	42.15	40.48	39.40	.....
26	36.83	36.33	36.24	36.00	38.59	40.73	42.20	42.72	42.05	40.45	39.47	.....
27	36.82	36.43	36.17	35.99	38.64	40.75	42.28	42.81	41.95	40.36	39.43	.....
28	36.77	36.34	36.09	36.00	38.90	40.79	42.33	42.90	41.88	40.36	39.41	.....
29	36.76		36.07	36.14	38.96	40.84	42.35	42.82	41.85	40.33	39.36	.....
30	36.76		36.09	36.10	39.10	40.87	42.33	42.84	41.84	40.29	39.37	.....
31	36.74		36.17		39.09		42.30	42.93		40.24		.....

(C-35-17)22bcc-2. State application a1946. P. L. Morris. Drilled irrigation domestic stock water-table well in alluvium, diameter 16 inches, depth 163 feet. Land-surface datum is 5,194.79 feet above msl. Highest water level 52.70 below lsd, Apr. 21, 1949; lowest 58.99 below lsd, Dec. 7, 1954. Records available: 1949-54. Mar. 17, 57.64; Oct. 15, 58.88; Dec. 7, 58.99.

(C-35-17)25cdd-1. Henry Brenn. Dug unused water-table well in alluvium, diameter 4 feet. Land-surface datum is 5,180.44 feet above msl. Highest water level 34.75 below lsd, Apr. 13, 1940; lowest 48.33 below lsd, Oct. 15, 1954. Records available: 1935-54. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 23, 1951	41.43	Apr. 3, 1952	43.00	Mar. 19, 1953	43.82	Mar. 17, 1954	45.65
May 25	41.82	July 1	44.10	June 22	45.28	Oct. 15	48.33
Aug. 26	43.50	Sept. 15	45.24	Oct. 7	47.59	Dec. 7	47.64
Oct. 15	43.74	Nov. 23	44.75	Dec. 6	46.04		

(C-35-17)36dcc-1. State application 16425. Marion Crosier. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 200 feet, cased to 200. Land-surface datum is 5,190.5 feet above msl. Highest water level 50.50 below lsd, Dec. 8, 1948; lowest 60.85 below lsd, Oct. 15, 1954. Records available: 1948-54. Mar. 17, 57.00; Oct. 15, 60.85; Dec. 7, 60.15.

(C-36-15)4cdd-1. State application a2057. Leo Knell. Drilled unused water-table well in alluvium, diameter 18 inches, depth 245 feet. Land-surface datum is 5,249.2 feet above msl. Highest water level 104.25 below lsd, Apr. 25, 1950; lowest 109.78 below lsd, Dec. 6, 1953. Records available: 1949-53. No measurement made in 1954.

(C-36-15)19ccc-1. State applications a2101 and a2085. Lonzo Christensen. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 210 feet. Land-surface datum is 5,233.2 feet above msl. Highest water level 75.30 below lsd, Mar. 12, 1948; lowest 89.52 below lsd, Dec. 7, 1954. Records available: 1947-54. Mar. 18, 86.73; Dec. 7, 89.52.

(C-36-16)3ada-1. State application 14709. Coons Estate. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 115 feet, cased to 115. Land-surface datum is 5,178.2 feet above msl. Highest water level 34.12 below lsd, Mar. 12, 1948; lowest 46.32 below lsd, Oct. 15, 1954. Records available: 1947-54. Mar. 16, 42.89; Oct. 15, 46.32; Dec. 8, 46.20.

(C-36-16)4a-2. State application a2078. Vern Frailey. Drilled irrigation water-table well in alluvium, diameter 16 inches. Land-surface datum is 5,190.4 feet above msl. Highest water level 48.67 below lsd, Apr. 21, 1949; lowest 57.56 below lsd, Dec. 6, 1953. Records available: 1949-53. No measurement made in 1954.

(C-36-16)9bcd-1. State application 16253. Wilson Scott. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 272 feet, cased to 272. Land-surface datum is 5,191.1 feet above msl. Highest water level 51.30 below lsd, Apr. 21, 1949; lowest 68.97 below lsd, Oct. 7, 1953. Records available: 1948-54. Mar. 17, 60.19; Oct. 18, 64.36; Dec. 7, 63.37; Dec. 8, 63.43.

(C-36-16)19abb-1. State application 15511. T. W. Jones. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 352 feet, cased to 352, perforations 95-332. Land-surface datum is 5,226.3 feet above msl. Highest water level 75.36 below lsd, Dec. 11, 1945; lowest 94.15 below lsd, Dec. 8, 1954. Records available: 1945-54. Mar. 18, 90.70; Dec. 8, 94.15.

(C-36-16)27dcd-1. State claim 19283. Ivins Investment Co. Drilled unused water-table well in alluvium, diameter 10 inches, depth 153 feet, cased to 153. Land-surface datum is 5,276.4 feet above msl. Highest water level 122.54 below lsd, May 5, 1945; lowest 136.60 below lsd, Mar. 18, 1954. Records available: 1945-54. Mar. 18, 136.60.

(C-36-16)29daa-1. State application 16189. Weyl-Zuckerman Co. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 380 feet, cased to 380, perforations 100-350. Land-surface datum is 5,233.4 feet above msl. Highest water level 85.66 below lsd, Oct. 11, 1945; lowest 108.27 below lsd, Oct. 18, 1954. Records available: 1945-54. Mar. 18, 99.56; Oct. 18, 108.27; Dec. 8, 103.43.

(C-36-16)31ccc-1. State application 16153. Leland Huntsman. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 222 feet, cased to 222. Land-surface datum is 5,271.1 feet above msl. Highest water level 111.75 below lsd, Mar. 31, 1948; lowest 130.00 below lsd, Dec. 8, 1954. Records available: 1947-54. Mar. 17, 125.54; Dec. 8, 130.00.

Parowan Valley

(C-32-8)1ada-1. Iron County. Drilled stock water-table well in alluvium, diameter 6 inches. Land-surface datum is 5,746.6 feet above msl. Highest water level 47.80 below lsd, Mar. 20, 1951; lowest 49.04 below lsd, Feb. 5, 1940. Records available: 1939-54. Mar. 29, 48.39; Dec. 3, 48.66.

(C-33-8)28bbb-1. State claim 15133. Tom Abbott. Drilled stock domestic artesian well in alluvium, diameter 4 inches, depth 350 feet, cased to 350. Land-surface datum is 5,782.2 feet above msl. Highest water level 9.70 below lsd, Mar. 16, 1946; lowest 14.20 below lsd, Apr. 26, 1953. Records available: 1940-54. Mar. 29, 11.59; Dec. 3, 11.79.

(C-33-9)34cbd-2. State claim 5694. Dee Robinson. Drilled unused artesian well in alluvium, diameter 4 to 2 inches, depth 500 feet, cased to 500, perforations 117-300. Land-surface datum is 5,736.6 feet above msl. Highest water level 17.65 below lsd, Mar. 14, 1943; lowest 57.34 below lsd, Aug. 30, 1953. Records available: 1935-54. Mar. 30, 20.80; Dec. 3, 35.84.

(C-33-9)34dcd-1. State claim 6750. C. L. Robinson. Drilled unused artesian well in alluvium, diameter 12 to 3 inches, depth 550 feet, 12-inch perforated casing to 130 feet, 3-inch casing 30 to 550, perforations 160-340, 400-550. Land-surface datum is 5,762.60 feet above msl. Highest water level 0.64 above lsd, Mar. 21, 1950; lowest 24.03 below lsd, Sept. 16, 1935. Records available: 1935-54. Mar. 20, 1951, 2.19; Dec. 6, 10.15; Apr. 1, 1952, 6.08; Dec. 3, 12.07; Mar. 12, 1953, 7.39; Mar. 30, 1954, 10.67; Dec. 3, 20.87.

(C-33-9)36dcd-1. State claim 494. Hugh L. Adams. Drilled irrigation artesian well in alluvium, diameter 60 to 4 inches, depth 499 feet, cased to 490, perforations 75-490. Land-surface datum is 5,796.76 feet above msl. Highest water level 29.72 below lsd, Mar. 14, 1943; lowest 59.95 below lsd, Dec. 3, 1954. Records available: 1933-54. Mar. 30, 47.98; Dec. 3, 59.95.

(C-34-8)5bca-1. Drought Relief Administration. Drilled unused artesian well in alluvium, diameter 12 inches, depth 420 feet. Highest water level 14.05 below lsd, Aug. 28, 1949; lowest 28.95 below lsd, Nov. 21, 1936. Records available: 1935-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	22.73	May 30	22.49	Aug. 29	24.13	Nov. 28	24.80
Feb. 28	22.20	June 27	23.27	Sept. 26	24.79	Dec. 3	25.15
Mar. 28	21.77	July 25	23.79	Oct. 31	25.00	26	25.00
Apr. 25	21.40						

(C-34-9)8bdd-1. State claim 4868. Peter H. Gurr. Drilled stock artesian well in alluvium, diameter 6 inches, depth 100 feet. Land-surface datum is 5,734.7 feet above msl. Highest water level 13.60 below lsd, May 28, 1950; lowest 28.45 below lsd, Oct. 13, 1938. Records available: 1938-54.

Jan. 31	20.02	May 30	20.45	Aug 29	21.57	Nov. 28	22.36
Feb. 28	20.13	June 27	21.06	Sept. 26	21.06	Dec. 4	22.45
Mar. 28	20.27	July 25	21.24	Oct. 31	22.80	26	22.47
Apr. 25	20.38						

(C-34-9)10bdd-1. State claim 8801. Clair Rowley. Drilled irrigation artesian well in alluvium, diameter 14 to 3 inches, depth 500 feet, cased to 500. Land-surface datum is 5,817.12 feet above msl. Highest water level 42.90 below lsd, Mar. 14, 1943; lowest 76.10 below lsd, Oct. 31, 1954. Records available: 1937-54.

Jan. 31	64.69	May 30	73.08	Aug. 29	71.73	Nov. 28	72.80
Feb. 28	63.79	June 27	72.05	Sept. 26	71.30	Dec. 3	73.14
Mar. 28	62.60	July 25	72.36	Oct. 31	76.10	26	72.06
Apr. 25	62.91						

(C-34-10)24aac-1. State application 16640. Lyle Farrow. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 195 feet, cased to 195. Highest water level 49.75 below lsd, Mar. 22, 1950; lowest 59.02 below lsd, Dec. 4, 1954. Records available: 1948-54. Mar. 30, 55.40; Dec. 4, 59.02.

Juab County

Juab Valley

(C-15-1)12aba-1. State claim 10223. R. C. Mangelson. Drilled stock artesian well in gravel, diameter 6 inches, depth 117 feet, cased to 117. Land-surface datum is 5,196.9 feet above msl. Highest water level 43.56 below lsd, Mar. 22, 1954; lowest 62.16 below lsd, June 20, 1936. Records available: 1935-54. Mar. 22, 48.56; Dec. 3, 49.97.

(D-11-1)9bbb-4. State claim 3099. J. L. and H. J. Fowkes. Jetted irrigation artesian well in alluvium, diameter 3 inches, depth 90 feet, cased to 75. Land-surface datum is 4,928.0 feet above msl. Highest water level 14.9 above lsd, Dec. 26, 1942; lowest 4.9 above lsd, May 6, 1952. Records available: 1935-54. Mar. 27, +8.2.

(D-12-1)31cdb-1. State application 15106. James H. Eager. Drilled stock artesian well in alluvium, diameter 6 inches, depth 450 feet, cased to 450. Highest water level 25.85 below lsd, Dec. 3, 1954; lowest 34.71 below lsd, Oct. 31, 1951. Records available: 1949-54. Mar. 27, 29.36; Dec. 3, 25.85.

(D-13-1)6cbc-1. State clain. 8188. Nephi Irrigation Co. Drilled unused artesian well in alluvium, diameter 12 to 10 inches, depth 975 feet, cased to 952, perforations 55-95, plugged 150. Land-surface datum is 5,022.56 feet above msl. Highest water level 13.25 below lsd, June 2, 1942; lowest 30.97 below lsd, Oct. 18, 1951. Records available: 1935-54. Mar. 27, 22.56; Dec. 3, 27.82.

(D-13-1)18bbc-1. State application 16108. Dee Jarrett. Drilled irrigation artesian well in alluvium, diameter 12 inches, depth 235 feet. Highest water level 18.22 below lsd, July 3, 1951; lowest 35.13 below lsd, Oct. 17, 1951. Records available: 1949-51, 1953-54. Mar. 27, 25.34; Dec. 3, 32.18.

Snake Valley

(For other wells in this valley see Millard County.)

(C-11-16)6ccc. J. H. Guilmette. Jetted unused artesian well in alluvium, diameter 4 feet. Highest water level 15.67 below lsd, Nov. 18, 1938; lowest 23.04 below lsd, Oct. 17, 1949. Records available: 1938-54. Nov. 2, 20.40.

(C-11-17)1bdc-1. State claim 8190. Drought Relief Administration. Jetted unused artesian well in alluvium, diameter 4 inches, depth 221 feet. Highest water level 0.51 below lsd, Sept. 18, 1941; lowest 4.30 below lsd, Nov. 2, 1954. Records available: 1938-54. Nov. 2, 4.30.

(C-13-18)14ddc-1. Will Parker. Drilled unused artesian well in alluvium, diameter 20 to 8 inches, depth 33 feet, cased to 23, perforations 18-23. Highest water level 8.17 below lsd, Aug. 7, 1942; lowest 25.75 below lsd, June 10, 1953. Records available: 1938-48, 1950-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.45	18.20	18.76	19.38	20.07	17.70	17.00	19.00	20.39	21.31	18.52	.....
2	17.48	18.23	18.77	19.41	20.06	17.58	17.03	19.05	20.41	21.34	18.44	.....
3	17.50	18.26	18.79	19.44	20.05	17.47	17.10	19.12	20.44	21.34	.....	.....
4	17.53	18.29	18.80	19.46	20.05	17.40	17.16	19.15	20.48	21.29	.....	.....
5	17.54	18.31	18.82	19.49	20.05	17.37	17.23	19.10	20.51	21.17	.....	.....
6	17.56	18.34	18.84	19.51	20.07	17.35	17.31	19.15	20.54	21.04	.....	.....
7	17.57	18.37	18.87	19.54	20.07	17.35	17.40	19.21	20.57	20.94	.....	.....
8	17.58	18.41	18.89	19.56	20.04	17.35	17.45	19.28	20.60	20.94	.....	.....
9	17.57	18.43	18.90	19.59	20.00	17.37	17.55	19.34	20.63	20.86	.....	.....
10	17.61	18.47	18.93	19.61	19.97	17.42	17.62	19.38	20.66	20.78	.....	.....
11	17.62	18.49	18.95	19.63	19.95	17.47	17.69	19.43	20.70	20.61	.....	.....
12	17.64	18.52	18.96	19.65	19.93	17.51	17.76	19.47	20.74	20.55	.....	.....
13	17.67	18.55	18.97	19.67	19.90	17.56	17.82	19.52	20.78	20.50	.....	.....
14	17.70	18.58	18.99	19.69	19.85	17.60	17.89	19.56	20.82	20.45	.....	.....
15	17.73	18.60	19.00	19.72	19.78	17.64	17.95	19.62	20.87	20.40	.....	.....
16	17.75	18.62	19.03	19.74	19.71	17.70	18.02	19.67	20.91	20.36	.....	.....
17	17.78	18.64	19.04	19.77	19.66	17.76	18.07	19.73	20.96	20.31	.....	.....
18	17.82	18.65	19.06	19.79	19.50	17.80	18.13	19.78	20.99	20.26	.....	.....
19	17.85	18.66	19.07	19.32	19.22	17.83	18.18	19.83	21.00	20.22	.....	.....
20	17.87	18.67	19.09	19.84	19.08	17.88	18.26	19.88	21.04	20.19	.....	.....

(C-13-18)14ddc-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	17.90	18.68	19.11	19.87	19.02	17.93	18.32	19.92	21.07	20.10	.....	.....
22	17.93	18.68	19.13	19.89	18.93	17.97	18.36	19.95	21.11	20.05	.....	.....
23	17.95	18.70	19.15	19.92	18.78	18.00	18.41	20.00	21.14	20.02	.....	.....
24	17.98	18.71	19.18	19.95	18.59	18.04	18.47	20.06	21.17	19.93	.....	.....
25	18.02	18.72	19.20	19.97	18.56	18.05	18.52	20.11	21.20	19.78	.....	.....
26	18.05	18.73	19.22	20.00	18.27	18.02	18.57	20.15	21.23	19.36	.....	.....
27	18.07	18.74	19.25	20.03	18.15	17.84	18.63	20.17	21.26	19.03	.....	.....
28	18.09	18.75	19.28	20.04	18.04	17.04	18.70	20.23	21.29	18.67	.....	.....
29	18.12		19.30	20.05	17.93	16.96	18.78	20.27	21.31	18.63	.....	.....
30	18.15		19.33	20.07	17.96	16.96	18.85	20.30	21.32	18.64	.....	.....
31	18.17		19.35		17.78		18.94	20.35		18.58		.....

Millard County

Escalante Valley

(For other wells in this valley see Beaver, Iron, and Washington Counties.)

(C-25-10)26caa-1. State of Utah. Dug unused water-table well in alluvium, diameter 5 feet. Highest water level 16.12 below lsd, Mar. 10, 1948; lowest 17.76 below lsd, Mar. 11, 1943. Records available: 1941-53. No measurement made in 1954.

Pavant Valley

(C-19-4)31bcc-1. State claim 4263. Union Pacific Railroad Co. Drilled unused artesian well in alluvium, diameter 6 inches, depth 178 feet, cased to 163. Land-surface datum is 4,778 feet above msl. Highest water level 5.15 below lsd, Dec. 3, 1953; lowest 18.20 below lsd, Apr. 21, 1938. Records available: 1936-54. Apr. 7, 5.22; Dec. 1, 5.32.

(C-20-5)13dad-1. C. H. Day. Drilled unused artesian well in alluvium, diameter 5 inches, depth 175 feet. Highest water level 34.79 below lsd, Dec. 1, 1954; lowest 47.73 below lsd, Mar. 25, 1941. Records available: 1937-54. Apr. 7, 35.61; Dec. 1, 34.79.

(C-20-5)22bcc-1. State claim 7671. Arnold Lesin. Drilled stock artesian well in alluvium, diameter 6 inches, depth 400 feet, cased to 245. Land-surface datum is 4,665.97 feet above msl. Highest water level 14.5 above lsd, Dec. 3, 1953; lowest 5.6 above lsd, Oct. 3, 1937. Records available: 1936-54. Apr. 7, +13.9; Dec. 1, +13.7.

(C-21-5)9cdc-1. State claim 6221. John Carling. Drilled stock artesian well in alluvium, diameter 7 inches, depth 300 feet. Land-surface datum is 4,715.2 feet above msl. Highest water level 0.2 above lsd, Dec. 5, 1947; lowest 11.95 below lsd, May 31, 1943. Records available: 1943-48, 1950-54. Apr. 7, 10.42; Dec. 3, 6.05.

(C-21-5)21aba-1. State of Utah. Drilled unused artesian well in alluvium, diameter 6 inches, depth 246 feet, cased to 220. Land-surface datum is 4,744.4 feet above msl. Highest water level 1.96 below lsd, Feb. 24, 1949; lowest 25.16 below lsd, Sept. 19, 1935. Records available: 1929-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.29	4.70	4.53	7.40	15.39	18.28	19.03	20.30	21.07	20.35	15.42	11.81
2	5.38	4.67	4.52	9.39	15.42	18.10	19.36	.....	20.90	20.30	15.34	11.72
3	5.35	4.64	4.45	10.19	15.36	18.12	19.66	.....	20.96	20.12	15.29	11.63
4	5.45	4.62	4.47	10.80	15.43	18.07	19.43	.....	20.48	20.05	15.24	11.65
5	5.39	4.64	4.48	11.32	15.71	18.22	19.23	.....	20.28	20.04	15.16	11.69
6	5.37	.....	4.44	11.58	15.80	18.36	19.47	.....	20.35	20.22	15.11	11.64
7	5.20	.....	4.47	11.99	15.90	18.24	18.99	19.69	20.57	20.34	14.95	11.66
8	5.22	.....	4.41	12.10	16.10	18.24	19.55	.....	20.50	20.15	14.92	11.69
9	5.22	.....	4.38	12.27	15.75	18.38	19.83	.....	20.67	19.92	14.81	11.61
10	5.21	.....	5.38	12.60	15.70	18.28	19.91	.....	20.57	19.88	14.72	11.55
11	5.12	4.57	5.59	12.72	15.83	18.39	19.90	.....	20.43	20.42	14.71	11.66
12	5.11	4.50	5.69	13.01	15.81	17.95	20.22	.....	.....	19.90	14.50	11.50
13	5.11	4.46	5.75	13.58	15.54	18.43	19.70	20.77	.....	19.91	.....	11.39
14	5.06	4.48	5.74	13.89	16.20	18.40	19.65	19.79	.....	19.94	.....	11.39
15	5.11	4.55	5.72	14.10	16.47	17.88	19.63	20.03	.....	19.92	.....	11.28
16	5.16	4.63	5.70	14.26	16.61	18.52	19.94	20.04	20.67	19.75	.....	11.33
17	5.09	4.58	5.67	14.26	16.17	18.60	20.05	20.20	20.70	18.60	12.90	11.29
18	5.08	4.64	5.80	14.28	16.68	18.05	.....	21.00	20.49	17.96	12.81	11.25
19	4.75	4.73	5.68	14.22	17.04	18.86	.....	21.07	20.39	17.60	12.78	11.23
20	4.81	4.62	5.66	14.51	17.24	18.93	.....	20.93	20.38	17.30	12.55	11.17

(C-21-5)21aba-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	4.98	4.62	5.72	14.67	17.34	18.69	.....	20.97	20.30	17.19	.....	11.08
22	4.89	4.68	5.71	14.79	17.48	18.76	20.33	20.98	20.28	16.74	.....	11.00
23	4.78	4.71	5.66	14.91	17.57	18.93	20.40	20.98	20.56	16.40	.....	10.95
24	4.77	4.61	5.97	15.04	17.63	18.42	20.49	20.90	20.60	16.32	12.22	.....
25	4.76	4.62	6.10	14.97	17.76	19.05	20.14	21.00	20.52	16.26	12.14	.....
26	4.82	4.47	6.09	14.81	17.82	19.03	20.02	20.80	20.50	16.10	12.13	.....
27	4.79	4.69	6.34	15.25	18.20	19.11	19.91	20.88	20.43	16.00	12.12	.....
28	4.75	4.62	6.40	15.46	18.12	19.14	19.63	20.78	20.41	15.76	12.06	.....
29	4.72		6.68	15.57	18.25	19.36	.....	.....	20.46	15.71	11.81	.....
30	4.73		6.82	15.61	18.35	18.79	20.13	20.94	20.61	15.68	11.88	.....
31	4.73		6.90		18.18		20.37	21.12		15.52		.....

(C-21-5)34baa-1. State claim 17381. Frank Sweeting. Drilled unused artesian well in alluvium, diameter 8 inches, depth 190 feet. Land-surface datum is 4,772.8 feet above msl. Highest water level 25.71 below lsd, Mar. 30, 1949; lowest 44.53 below lsd, Oct. 12, 1943. Records available: 1942-54. Recording gage installed Nov. 8, 1954.

Daily noon water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 24	h32.20	Nov. 20	41.08	Dec. 4	40.13	Dec. 18	39.62
July 29	h44.20	21	41.03	5	40.07	19	39.56
Nov. 8	42.00	22	40.97	6	39.98	20	39.47
9	41.92	23	40.93	7	39.98	21	39.40
10	41.85	24	40.89	8	39.98	22	39.32
11	41.73	25	40.85	9	39.89	23	39.30
12	41.60	26	40.73	10	39.79	24	39.25
13	41.58	27	40.61	11	39.68	25	39.26
14	41.41	28	40.46	12	39.77	26	39.24
15	41.26	29	40.27	13	39.73	27	39.24
16	41.25	30	40.32	14	39.73	28	39.16
17	41.21	Dec. 1	40.28	15	39.62	29	39.25
18	41.20	2	40.20	16	39.70	30	39.18
19	41.17	3	40.12	17	39.65	31	39.12

h Tape measurement.

(C-22-5)28dbd-1. State claim 16860. Charles Swallow. Drilled unused water-table well in alluvium, diameter 8 inches, depth 112 feet. Land-surface datum is 4,812.5 feet above msl. Highest water level 30.30 below lsd, July 21, 1949; lowest 41.13 below lsd, Mar. 11, 1944. Records available: 1943-54. July 29, 39.25; Dec. 2, 39.62.

(C-22-5)33cdd-1. State application 13367. LaVoy A. Kimball. Drilled stock and domestic artesian well in alluvium, diameter 12 inches, depth 152 feet, cased to 152. Land-surface datum is 4,834.3 feet above msl. Highest water level 47.68 below lsd, Dec. 1, 1948; lowest 60.35 below lsd, Mar. 11, 1944. Records available: 1943-54. Dec. 2, 59.15.

(C-23-6)8bdb-1. State claim 16582. H. F. and C. H. Watts. Drilled stock water-table well in alluvium, diameter 6 inches, depth 100 feet, cased to 100. Highest water level 24.70 below lsd, Mar. 21, 1951; lowest 31.75 below lsd, Mar. 23, 1943. Records available: 1943-54. Dec. 2, 26.14.

Sevier Desert

(C-15-4)20dcc-1. Spencer Nielson. Jetted unused water-table well in alluvium, diameter 3 inches, depth 186 feet, cased to 180. Highest water level 119.00 below lsd, Dec. 4, 1950; lowest 124.87 below lsd, Mar. 24, 1937. Records available: 1935-54. Apr. 9, 119.52; Nov. 29, 120.11.

(C-15-7)17dad-1. I. H. Losee. Jetted unused artesian well in alluvium, diameter $1\frac{1}{2}$ inches, depth 235 feet. Highest water level 3.42 above lsd, Mar. 24, 1937; lowest 1.6 above lsd, Nov. 30, 1954. Records available: 1937-51, 1953-54. Apr. 7, +2.7; Nov. 30, +1.6.

(C-16-7)4abb-1. L. N. Hinckley. Jetted unused artesian well in alluvium, diameter $1\frac{1}{4}$ inches, depth 324 feet, cased to 309. Highest water level 10.0 above lsd, Apr. 2, 1952; lowest 6.00 above lsd, Dec. 11, 1940. Records available: 1935-54. Apr. 8, +9.8; July 7, +8.3; Nov. 30, +8.2.

(C-16-8)3add-2. State application 13178. Parley Probst. Jetted stock artesian well in alluvium, diameter 2 inches, depth 166 feet, cased to 166. Highest water level 6.39 above lsd, Dec. 4, 1951; lowest 2.25 above lsd, May 3, 1945. Records available: 1945-54. Apr. 8, +5.4; Nov. 30, +4.8.

(C-16-8)21ddd-1. State claim 768. Herbert Taylor. Jetted stock artesian well in alluvium, diameter 2 inches, depth 125 feet. Highest water level 3.6 above lsd, Apr. 8, 1954; lowest 2.0 below lsd, Jan. 19, 1945. Records available: 1942-54. Apr. 8, +3.6.

(C-17-7)20cbb-1. State claim 12287. W. J. Webb. Driven stock artesian well in alluvium, diameter $1\frac{1}{4}$ inches, depth 356 feet. Land-surface datum is 4,592.4 feet above msl. Highest water level 6.45 above lsd, July 21, 1942; lowest 4.9 above lsd, Dec. 1, 1954. Records available: 1936-54. Dec. 1, +4.9.

(C-18-7)5aaa-2. State claim 7624. S. A. Webb. Jetted domestic stock artesian well in alluvium, diameter $1\frac{1}{4}$ inches, depth 320 feet, cased to 320. Highest water level 7.2 above lsd, Mar. 25, 1941; lowest 4.1 above lsd, Mar. 25, 1953. Records available: 1935-54. Dec. 1, +5.1.

Snake Valley

(C-18-19)20ddd-1. State claim 7420. Louise Robison. Drilled domestic artesian well in alluvium, diameter 6 inches, depth 90 feet, cased to 90. Land-surface datum is 4,989.2 feet above msl. Highest water level 23.58 below lsd, Aug. 7, 1942; lowest 31.43 below lsd, Nov. 30, 1937. Records available: 1937-52, 1954. Nov. 3, 28.87.

(C-22-19)6bcc-1. Dennis Smith. Drilled stock domestic water-table well in alluvium, diameter 5 inches, depth 120 feet, cased to 120, perforations 100-120. Highest water level 54.50 below lsd, Nov. 17, 1938; lowest 72.63 below lsd, Oct. 5, 1953. Records available: 1934, 1936-40, 1951-54. Nov. 3, 67.22.

(C-23-19)9cdb-1. Thomas Dearden. Drilled unused artesian well in alluvium, diameter 5 inches, depth 270 feet, cased to 270. Highest water level 12.30 below lsd, Oct. 20, 1953; lowest 16.27 below lsd, Dec. 1, 1937. Records available: 1936-48, 1950-54. Nov. 3, 13.10.

Morgan County

Morgan Valley

(A-3-2)24cba-1. State claim 12405. Hyrum Adams. Dug domestic water-table well in alluvium, diameter 24 inches, depth 19 feet. Highest water level 10.47 below lsd, June 22, 1939; lowest 16.81 below lsd, Dec. 9, 1953. Records available: 1936-40, 1942-54. Apr. 19, 16.47; Dec. 8, 16.70.

(A-4-2)8ccd-1. State claim 12133. L. H. Kobabe. Dug domestic water-table well in alluvium, diameter 36 inches, depth 44 feet. Highest water level 14.49 below lsd, Apr. 17, 1952; lowest 35.79 below lsd, Dec. 29, 1952. Records available: 1939-54. Apr. 19, 17.08; Dec. 8, 20.18.

(A-4-2)35cdd-1. State claim 11785. Albert Wiggins. Dug domestic water-table well in alluvium, diameter 30 inches, depth 35 feet. Highest water level 13.33 below lsd, Sept. 18, 1943; lowest 29.20 below lsd, Mar. 30, 1946. Records available: 1936-54. Apr. 19, 23.68; Dec. 8, 25.00.

(A-4-3)31cab-1. State claim 12410. Como Springs Resort. Drilled unused artesian well in limestone and shale, diameter 6 inches, depth 40 feet. Highest water level 1.83 below lsd, Dec. 12, 1950; lowest 3.92 below lsd, Dec. 8, 1954. Records available: 1937-54. Apr. 19, 2.82; Dec. 8, 3.92.

(A-4-4)30aac-2. State claim 5670. J. A. Millyard. Dug unused water-table well in alluvium, diameter 12 inches, depth 15 feet. Highest water level 9.29 below lsd, Apr. 17, 1952; lowest 11.90 below lsd, Mar. 30, 1946. Records available: 1940-54. Apr. 19. 11.11; Dec. 8, 11.55.

(A-5-1)27db. E. R. France. Drilled unused artesian well in alluvium, diameter 6 inches, depth 150 feet. Highest water level 0.18 below lsd, Apr. 17, 1952; lowest 1.95 below lsd, Feb. 7, 1938. Records available: 1936-54. Apr. 19, 1.67; Dec. 8, 1.75.

Piute County

Grass Valley
(For other wells in this valley see Sevier County.)

(C-27-1)27abc-2. State claim 2905. H. B. Crandall. Jetted stock artesian well in alluvium, diameter 2 inches, depth 260 feet. Land-surface datum is 6.739.26 feet above msl. Highest water level 5.33 above lsd, Dec. 20, 1938; lowest 2.69 above lsd, Apr. 6, 1952. Records available: 1937-53. No measurement made in 1954.

Upper Sevier Valley

(C-30-3)15bba-1. O. P. Jessen. Dug unused water-table well in alluvium, diameter 24 inches, depth 40 feet, cased to 40. Highest water level 8.13 below lsd, Aug. 24, 1937; lowest 28.05 below lsd, Mar. 26, 1937. Records available: 1935-54. Mar. 25, 25.57; Dec. 2, 21.53.

Rich County

Bear Lake Valley

(A-13-5)10bbb-2. Thomas Hodges. Dug unused water-table well in alluvium, diameter 36 inches, depth 19 feet. Highest water level 12.96 below lsd, Oct. 21, 1952; lowest 17.99 below lsd, Apr. 9, 1940. Records available: 1937-54. Nov. 2, 14.87.

(A-13-5)21ad. State claim 8222. Drought Relief Administration. Bored unused artesian well in gravel, diameter 15 inches, depth 70 feet, cased to 70. Highest water level 0.40 below lsd, May 3, 1939; lowest 9.25 below lsd, Oct. 8, 1940. Records available: 1936-48, 1950-54. Nov. 2, 6.55.

(A-13-6)30bb. Rich County. Jetted unused artesian well in alluvium, diameter 6 inches, depth 125 feet. Highest water level 8.3 above lsd, Oct. 20, 1948; lowest 3.8 above lsd, Oct. 10, 1941. Records available: 1936-54. Nov. 2, +6.02.

(A-14-5)21dba. J. W. Gibbons. Drilled unused artesian well in alluvium, diameter 6 inches, depth 40 feet, cased to 40. Highest water level 8.07 below lsd, June 22, 1940; lowest 24.93 below lsd, Apr. 23, 1941. Records available: 1936-51, 1953-54. Nov. 2, 15.97.

Upper Bear River Valley

(A-9-7)9cdc-1. State application 16733. James Stuart. Drilled domestic artesian well in alluvium, diameter 6 inches, depth 57 feet. Highest water level 24.81 below lsd, Oct. 21, 1952; lowest 33.35 below lsd, Nov. 2, 1954. Records available: 1948-54. Nov. 2, 33.35.

(A-9-7)25cbc-2. Deseret Livestock Co. Drilled unused artesian well in alluvium, diameter 6 inches, depth 300 feet. Highest water level 14.38 below lsd, Oct. 27, 1947; lowest 16.70 below lsd, Oct. 19, 1948, Nov. 2, 1954. Records available: 1946-54. Nov. 2, 16.70.

(A-10-7)20aaa-1. State claim 1886. Joseph E. Hatch. Dug stock water-table well in alluvium, diameter 5 feet, depth 22 feet. Highest water level 2.13 below lsd, June 26, 1941; lowest 11.64 below lsd, Nov. 2, 1954. Records available: 1937-54. Nov. 2, 11.64.

(A-11-7)9cd-1. Frank H. Jackson. Drilled unused water-table well in alluvium, diameter 6 inches, depth 25 feet, cased to 25. Highest water level 8.76 below lsd, Oct. 21, 1952; lowest 16.55 below lsd, Jan. 22, 1941. Records available: 1936-54. Nov. 2, 11.25.

(A-11-7)9cd-2. Frank H. Jackson. Drilled unused artesian well in gravel, diameter 2 inches, depth 310 feet, cased to 310. Highest water level 5.41 below lsd, Oct. 21, 1952; lowest 13.80 below lsd, Oct. 6, 1942. Records available: 1936-52. No measurement made in 1954.

(A-11-7)21bc. Loren Jackson. Dug stock water-table well in alluvium, diameter 6 feet, depth 15 feet. Highest water level 4.27 below lsd, June 6, 1939; lowest 11.34 below lsd, Feb. 28, 1940. Records available: 1937-53. No measurement made in 1954.

(A-12-7)26bb-2. Wm. Hoffman. Drilled stock artesian well in alluvium, diameter 6 inches, depth 60 feet, cased to 60. Highest water level 2.95 below lsd, June 6, 1939; lowest 9.77 below lsd, Oct. 8, 1940. Records available: 1936-54. Nov. 2, 9.05.

Salt Lake County

Jordan Valley

(B-1-2)36baa-1. State claim 18176. E. J. Jeremy. Jetted stock artesian well in alluvium, diameter 2 inches, depth 464 feet. Land-surface datum is 4,223.6 feet above msl. Highest water level 15.5 above lsd, Dec. 16, 1944; lowest 10.94 above lsd, Mar. 20, 1933. Records available: 1931-33, 1941-53. No measurement made in 1954.

(C-1-1)33abb-1. State claim 7547. W. D. Hill. Jetted domestic stock artesian well in alluvium, diameter 2 inches, depth 425 feet, cased to 425. Land-surface datum is 4,250.7 feet above msl. Highest water level 22.7 above lsd, Dec. 13, 1950; lowest 10.30 above lsd, July 23, 1936. Records available: 1931, 1935-54. Mar. 23, +19.6.

(C-1-2)22cbb-1. F. E. Fowler. Jetted domestic artesian well in alluvium, diameter 2 inches, depth 110 feet. Land-surface datum is 4,231.61 feet above msl. Highest water level 17.2 above lsd, Sept. 21, 1953; lowest 8.7 above lsd, July 15, 1936. Records available: 1931-32, 1934-54. Mar. 23, +13.8.

(C-2-1)24adc-1. State claim 16012. J. D. Blain. Jetted unused artesian well in alluvium, diameter 2 inches, depth 127 feet. Land-surface datum is 4,343.8 feet above msl. Highest water level 19.88 below lsd, Dec. 28, 1949; lowest 27.22 below lsd, Apr. 13, 1936. Records available: 1931-54. Mar. 23, 21.94.

(C-3-1)27cdd-1. J. R. Dansie and others. Jetted unused artesian well in alluvium, diameter 3 inches, depth 220 feet. Land-surface datum is 4,434.2 feet above msl. Highest water level 1.07 below lsd, Dec. 1, 1953; lowest 40.91 below lsd, Apr. 13, 1936. Records available: 1931-54. Mar. 23, 9.07.

(D-1-1)9aca-1. State claim 4836. Salt Lake City Corp. Drilled unused water-table well in alluvium, diameter 20 inches, depth 502 feet, cased to 502, perforations 180-485. Land-surface datum is 4,658.9 feet above msl. Highest water level 132.20 below lsd, May 7, 1953; lowest 156.26 below lsd, Jan. 20, 1935. Records available: 1934-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	135.12	135.32	136.73	137.93	138.98	140.13	141.06	141.75	142.44	142.88
2	.....	.....	135.16	135.35	136.81	137.93	139.03	140.13	141.05	141.77	142.44	142.87
3	.....	135.60	135.18	135.36	136.78	137.91	139.07	.....	141.06	141.81	142.51	142.85
4	.....	135.52	135.21	135.36	136.83	137.95	139.10	140.20	141.08	141.80	142.54	143.02
5	.....	135.49	135.19	135.41	136.55	138.07	139.14	140.25	.....	141.84	142.53	142.92
6	137.30	135.40	135.15	.....	136.60	138.12	139.15	140.29	.....	141.83	142.51	142.91
7	.....	135.32	135.22	135.52	136.63	138.12	139.20	140.29	.....	.....	142.54	.....
8	.....	.....	135.19	135.45	136.66	138.11	139.22	140.32	141.24	.....	142.58	143.05
9	.....	.....	135.12	135.54	136.71	138.18	139.26	140.34	141.23	.....	142.59	143.02
10	.....	135.30	135.00	135.59	136.81	138.26	139.41	140.36	141.23	.....	142.55	143.03
11	.....	135.29	135.13	135.59	136.85	138.29	139.46	140.42	141.23	.....	142.60	143.15
12	.....	135.20	135.20	135.60	136.90	138.26	139.48	140.41	141.28	.....	142.60	143.10
13	136.30	135.20	135.23	135.56	136.94	138.35	139.52	140.48	141.31	142.07	142.54	143.09
14	.....	135.24	135.20	135.90	137.02	138.43	139.55	140.49	141.31	142.11	142.53	143.11
15	.....	135.32	135.10	136.01	137.05	138.40	139.56	140.52	141.40	142.06	142.69	143.09
16	.....	135.27	135.04	136.04	137.10	138.51	139.60	140.52	141.36	142.05	142.65	143.15
17	.....	135.20	135.10	135.97	137.16	138.57	139.62	140.58	141.42	.....	142.65	143.16
18	.....	135.25	135.27	135.96	.....	138.59	139.65	140.62	141.44	.....	142.66	143.16
19	.....	135.34	135.15	136.03	137.25	138.59	139.69	140.64	141.45	.....	142.65	143.15
20	135.82	135.23	135.15	136.10	137.28	138.67	.....	140.69	141.51	142.15	142.68	143.15
21	135.82	135.28	135.16	136.20	137.30	138.71	139.75	140.75	141.48	142.18	142.70	143.18
22	135.70	135.26	135.16	136.22	137.41	138.74	139.82	140.77	141.50	142.18	142.70	143.16
23	135.60	.....	135.03	136.23	137.47	138.74	139.79	140.76	141.61	142.15	142.73	143.20
24	135.80	135.12	135.14	136.27	137.46	138.77	139.85	140.76	141.60	141.61	142.75	143.20
25	.....	135.12	135.15	136.31	.....	138.81	139.89	140.82	141.61	.....	142.74	143.23
26	.....	135.11	135.28	136.41	137.60	138.86	139.92	140.88	141.61	.....	142.80	143.30
27	135.50	135.26	135.28	136.40	137.68	138.90	139.95	140.91	141.61	142.36	142.80	143.34
28	.....	135.09	135.28	136.50	137.66	138.95	139.95	140.97	.....	142.39	142.80	143.26
29	.....		135.28	136.57	137.63	138.99	140.00	140.95	141.75	142.39	142.75	143.28
30	.....		135.28	136.51	137.83	139.00	140.07	140.95	141.72	142.42	142.93	143.35
31	.....		135.28		137.82		140.09	141.01		142.41		143.32

(D-1-1)16caa-1. State claim 4847. Salt Lake City Corp. Drilled unused water-table well in alluvium, diameter 20 inches, depth 502 feet, cased to 502, perforations 90-486. Highest water level 48.42 below lsd, July 24, 1938; lowest 70.65 below lsd, Apr. 29, 1935. Records available: 1934-54.

(D-1-1)16caa-1--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	54.11	54.68	55.28	55.85	54.98	56.04	56.75	56.98	57.05	56.98	57.13	57.50
2	54.14	54.69	55.30	55.88	54.99	56.06	56.75	56.98	57.03	56.98	57.15	.....
3	54.15	54.79	55.32	55.88	54.98	56.06	56.75	56.99	57.02	56.98	57.16	.....
4	54.20	54.79	55.33	55.89	54.97	56.09	56.75	57.00	57.02	56.99	57.16	.....
5	54.21	54.80	55.34	55.89	55.00	56.14	56.75	57.00	57.02	57.00	57.17	.....
6	54.22	54.84	55.38	55.91	55.01	56.16	56.75	57.00	57.02	57.03	57.17	.....
7	54.23	54.85	55.41	55.91	55.01	56.16	56.75	57.00	57.02	57.03	57.17	.....
8	54.26	54.87	55.41	55.92	55.02	56.16	56.76	57.00	57.03	57.04	57.18	57.60
9	54.28	54.88	55.42	55.92	55.06	56.18	56.77	57.00	57.03	57.04	57.19	.....
10	54.30	54.95	55.62	55.93	55.13	56.19	56.79	57.01	57.02	57.04	57.19	.....
11	54.31	54.96	55.65	55.93	55.19	56.21	56.81	57.02	57.01	57.04	57.30	.....
12	54.33	54.97	55.75	55.94	55.35	56.22	56.83	57.02	57.00	57.04	57.31	.....
13	53.90	55.00	55.64	55.94	55.39	56.25	56.84	57.02	57.00	57.07	57.32	.....
14	53.92	55.02	55.60	55.98	55.45	56.28	56.85	57.02	56.99	57.07	57.32	.....
15	53.94	55.05	.....	55.97	55.50	56.30	56.86	57.02	56.98	57.07	57.33	57.70
16	53.96	55.07	.....	55.97	55.55	56.33	56.86	57.02	56.98	57.07	57.35	.....
17	53.97	55.08	55.60	55.96	55.61	56.35	56.87	57.02	56.98	57.09	57.35	.....
18	54.00	55.10	55.61	55.89	55.65	56.35	56.88	57.02	56.98	57.07	57.35	.....
19	54.01	55.13	55.63	55.80	55.70	56.37	56.89	57.02	56.98	57.07	57.35	.....
20	54.50	55.14	55.64	55.60	55.72	56.39	56.89	57.02	56.98	57.09	57.36	.....
21	54.51	55.16	55.67	55.52	55.77	56.41	56.91	57.02	56.98	57.09	57.37	.....
22	54.52	55.18	55.68	55.40	55.81	56.43	56.91	57.02	57.00	57.09	57.39	57.80
23	54.53	55.20	55.70	55.30	55.83	56.50	56.91	57.02	57.03	57.10	57.41	57.80
24	54.55	55.20	55.73	55.05	55.85	56.52	56.92	57.02	57.02	57.10	57.43	57.80
25	54.57	55.21	55.74	55.05	55.85	56.53	56.93	57.03	56.98	57.11	57.44	57.81
26	54.58	55.23	55.76	55.05	55.85	56.56	56.93	57.03	56.98	57.12	57.45	57.82
27	54.62	55.25	55.76	55.05	55.87	56.58	56.94	57.03	56.98	57.12	57.45	57.84
28	54.61	55.26	55.77	55.05	55.89	56.59	56.96	57.03	56.97	57.12	57.46	57.84
29	54.63		55.79	55.01	55.92	56.59	56.97	57.03	56.97	57.12	57.49	57.85
30	54.64		55.81	54.99	55.98	56.61	56.98	57.03	56.97	57.12	.....	57.85
31	54.65		55.85		56.01		56.98	57.04		57.12		57.85

(D-2-1)4dbd-4. Eugene Templeman. Jetted unused artesian well in alluvium, diameter 3 inches, depth 310 feet. Land-surface datum is 4,384.13 feet above msl. Highest water level 7.00 above lsd, Aug. 27, 1952; lowest 9.35 below lsd, Nov. 5, 1934. Records available: 1931-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	+0.34	Apr. 28	-1.42	July 29	-2.75	Oct. 26	-2.95
Feb. 24	.00	May 31	-1.93	Aug. 27	-2.83	Nov. 30	-2.83
Mar. 31	-.53	June 28	-1.58	Sept. 30	-3.25	Dec. 28	-3.55

San Juan County

San Juan River Area - Spanish Valley - LaSal Area
(For other wells in this valley see Grand County.)

(D-28-22)1caa-1. State application 14265. State Road Commission. Drilled public-supply water-table well in Entrada sandstone, diameter 6 inches, depth 114 feet. Highest water level 15.65 below lsd, Oct. 12, 1951; lowest 20.02 below lsd, Oct. 16, 1946. Records available: 1946-51, 1953. No measurement made in 1954.

(D-28-23)19dcc-1. State application 13070. U. S. Bureau of Land Management. Drilled stock artesian well in Kayenta formation, diameter 8 inches, depth 450 feet, cased to 42. Highest water level 277.56 below lsd, Oct. 12, 1954; lowest 284.75 below lsd, Oct. 6, 1949. Records available: 1946-51, 1954. Oct. 12, 277.56.

(D-30-23)10add-1. State claim 8429. State Road Commission. Drilled unused water-table well in Navajo sandstone, diameter 4 inches, depth 47 feet, cased to 4. Land-surface datum is 5,712.1 feet above msl. Highest water level 29.65 below lsd, Apr. 8, 1949; lowest 32.44 below lsd, Oct. 13, 1947. Records available: 1946-54. Oct. 13, 31.77.

(D-31-23)23add-1. State claim 8254. U. S. Bureau of Land Management. Drilled unused artesian well in Navajo sandstone, diameter 6 inches, depth 156 feet. Highest water level 100.0 below lsd, Oct. 18, 1946; lowest 101.33 below lsd, Oct. 15, 1947. Records available: 1946-54. Oct. 13, 101.07.

Sage Plain

(D-34-24)25aad-1. State application 16754. C. A. Frost. Drilled unused artesian well in Dakota sandstone, diameter 6 inches, depth 225 feet. Highest water level 171.90 below lsd, Oct. 18, 1946; lowest 176.93 below lsd, Nov. 10, 1950. Records available: 1946-51, 1953-54. Oct. 13, 175.94.

(D-34-26)4dad-1. State claim 8249. State Land Board. Drilled unused water-table well in Dakota sandstone, diameter 6 inches, depth 100 feet. Highest water level 41.63 below lsd, Apr. 9, 1949; lowest 45.41 below lsd, Oct. 30, 1953. Records available: 1946-51, 1953-54. Oct. 13, 45.29.

(D-36-22)27ddb-1. M. F. Lyman. Drilled unused water-table well in alluvium, diameter 5 inches, depth 30 feet, cased to 20. Highest water level 12.49 below lsd, Jan. 19, 1951; lowest 23.90 below lsd, Jan. 2, 1944. Records available: 1942-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	17.85	Mar. 26	17.48	June 11	16.57	Aug. 27	16.54
8	17.57	Apr. 2	17.52	18	16.77	Sept. 3	17.55
15	17.64	9	17.30	25	16.60	10	17.55
22	17.66	16	17.60	July 2	16.67	17	17.57
29	17.65	23	17.30	9	16.85	24	17.75
Feb. 5	17.55	29	17.12	16	16.75	Nov. 4	18.29
12	17.33	May 7	17.11	23	16.93	11	18.28
19	17.63	14	17.15	30	16.94	18	18.29
26	17.09	21	16.79	Aug. 6	17.08	Dec. 17	17.32
Mar. 5	17.57	28	16.60	13	17.20	24	17.65
12	17.20	June 4	16.59	20	17.20	31	17.60
19	17.41						

(D-36-22)27ddb-2. M. F. Lyman. Drilled unused artesian well in alluvium, diameter 5 inches, depth 150 feet, cased to 34. Highest water level 49.03 below lsd, Feb. 8, 1953; lowest 54.90 below lsd, Sept. 25, 1946. Records available: 1942-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	49.83	49.70	49.47	49.96	49.77	49.36	49.70	49.58	49.75	49.56	49.47	.....
2	49.85	49.77	49.71	50.02	49.87	49.52	49.71	49.50	49.70	.....	49.44	.....
3	49.85	49.68	49.82	49.94	49.90	49.56	49.83	49.47	49.70	.....	49.46	.....
4	49.97	49.64	49.81	49.86	49.83	49.41	49.86	49.53	49.67	.....	49.71	.....
5	50.04	49.99	50.05	49.91	49.75	49.26	49.86	49.54	49.74	.....	49.71	49.81
6	49.90	50.00	50.05	49.78	49.79	49.47	49.78	49.57	49.81	.....	49.60	49.64
7	49.64	50.05	49.98	49.93	49.56	49.56	49.72	49.56	49.69	.....	49.53	49.43
8	49.59	50.06	49.97	49.90	49.60	49.38	49.75	49.64	49.74	.....	49.59	49.64
9	49.59	49.72	49.75	49.83	49.59	49.37	49.67	49.66	49.74	.....	49.67	49.66
10	49.89	49.62	49.45	49.87	49.57	49.51	49.70	49.63	49.72	.....	49.73	49.22
11	49.66	49.73	49.19	49.97	49.57	49.56	49.72	49.65	49.73	.....	49.75	49.57
12	49.57	49.85	49.44	50.05	49.59	49.55	49.70	49.58	49.67	.....	49.56	49.65
13	49.57	49.70	49.76	49.92	49.58	49.47	49.74	49.63	49.72	.....	49.53	49.37
14	49.68	49.55	49.79	49.74	49.54	49.47	49.71	49.70	49.55	49.75	49.56	49.23
15	49.64	49.70	49.83	49.93	49.57	49.50	.....	49.69	49.48	49.72	49.46	49.24
16	49.71	49.95	49.70	50.15	49.53	49.51	49.72	49.71	49.52	49.69	49.34	49.43
17	49.50	49.70	49.27	50.01	49.55	49.47	49.82	49.56	49.57	49.64	49.63	49.62
18	49.51	49.47	49.61	49.74	49.62	49.59	49.74	49.56	.....	49.65	49.75	49.68
19	49.30	49.85	49.64	49.74	49.55	49.61	49.71	49.59	.....	49.58	49.70	49.78
20	49.33	49.87	49.67	49.75	49.53	49.56	49.66	49.56	.....	49.57	.....	49.66
21	49.95	49.94	49.65	49.74	49.45	49.62	49.61	49.53	.....	49.62	.....	49.55
22	49.89	49.95	49.60	49.79	49.38	49.68	49.66	49.60	.....	49.56	.....	49.34
23	49.71	50.02	49.41	49.73	49.53	49.69	49.70	49.69	.....	49.40	.....	49.37
24	49.65	49.80	49.52	49.77	49.66	49.61	49.73	49.57	.....	49.11	.....	49.25
25	49.55	49.75	49.69	49.67	49.34	49.52	49.78	49.53	.....	49.40	.....	49.19
26	49.86	49.43	49.94	49.76	49.31	49.64	49.78	49.55	.....	49.51	49.57	49.17
27	.....	49.75	49.97	49.71	49.38	49.66	49.71	49.72	49.63	49.63	.....	49.15
28	.....	49.77	49.65	49.52	49.42	49.68	49.69	49.86	.....	49.62	.....	49.53
29	49.64		49.58	49.53	49.30	49.68	49.64	49.82	49.40	49.60	.....	49.28
30	49.68		49.54	49.37	49.27	49.53	49.65	49.81	49.54	49.56	.....	49.32
31	49.77		49.90		49.54		49.67	49.70		49.50		49.22

Sanpete County

Central Sevier Valley

(For other wells in this valley see Garfield, Piute, and Sevier Counties.)

(C-19-1)23bcc-1. State claim 1457. C. H. Beal. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 186 feet, cased to 186, perforations 50-186. Land-surface datum is 5,500 feet above msl. Highest water level 29.52 below lsd, Dec. 6, 1945; lowest 37.58 below lsd, Sept. 5, 1935. Records available: 1935-54. Mar. 26, 31.48; Nov. 30, 32.49.

(D-20-1)20aaa-1. State claim 6356. Federal Land Bank. Dug domestic stock water-table well in alluvium, diameter 4 feet, depth 66 feet. Highest water level 28.49 below lsd, Dec. 13, 1948; lowest 48.52 below lsd, Apr. 22, 1936. Records available: 1935-54. Mar. 26, 33.44; Nov. 30, 34.51.

Sanpete Valley

(D-15-3)8cda-3. State claim 13671. William Prestwich. Jetted stock artesian well in alluvium, diameter 1½ inches, depth 75 feet. Land-surface datum is 5,510.72 feet above msl. Highest water level 3.84 above lsd, Mar. 27, 1954; lowest 1.25 above lsd, Oct. 14, 1939. Records available: 1937-54. Mar. 27, +3.84; Nov. 30, +3.42.

(D-15-4)4dda-1. State claim 3606. Twin Creek Irrigation Co. Drilled irrigation artesian well in alluvium, diameter 12 inches, depth 245 feet, perforations 18-240. Land-surface datum is 5,820.05 feet above msl. Highest water level 4.82 below lsd, Aug. 11, 1942; lowest 31.31 below lsd, Mar. 2, 1936. Records available: 1935-54. Mar. 27, 14.10.

(D-16-3)14dca-1. State claim 65. Chris Larsen. Drilled unused water-table well in alluvium, diameter 10 inches, depth 275 feet. Highest water level 10.58 below lsd, July 23, 1948; lowest 14.51 below lsd, Oct. 14, 1939. Records available: 1938-54. Mar. 27, 11.59.

(D-16-3)15aca-1. State claim 8492. Federal Land Bank. Jetted stock water-table well in alluvium, diameter 3 inches, depth 70 feet, cased to 70. Highest water level 15.26 below lsd, Nov. 29, 1954; lowest 38.96 below lsd, Feb. 7, 1940. Records available: 1937-54. Mar. 27, 26.09; Nov. 29, 15.26.

(D-16-3)32ddc-2. George L. Beal. Jetted unused artesian well in alluvium, diameter 1½ inches, depth 145 feet, cased to 130. Land-surface datum is 5,461.5 feet above msl. Highest water level 27.9 above lsd, Aug. 19, 1952; lowest 3.57 below lsd, June 18, 1936. Records available: 1935-54.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.7	15.8	15.4	15.1	14.3	15.8	15.6	13.1	11.5	14.1	13.5	12.9
2	17.2	15.9	15.6	....	....	15.9	15.4	12.5	12.1	14.2	13.4	12.8
3	16.7	16.1	15.5	....	....	16.2	14.9	12.2	12.6	14.1	13.5	12.8
4	16.6	15.8	15.5	15.2	14.5	16.3	14.9	11.6	12.9	14.0	13.4	12.8
5	16.4	15.7	15.4	15.2	14.6	16.2	14.5	12.1	13.4	14.0	13.4	12.7
6	16.6	15.7	15.6	15.0	14.8	15.8	14.1	13.1	13.6	14.1	13.5	13.0
7	16.6	15.5	15.7	14.8	14.8	16.2	14.2	13.0	13.7	13.9	13.6	12.9
8	17.1	15.5	15.6	15.1	14.6	16.3	15.6	12.3	13.8	13.9	13.5	12.7
9	16.9	15.5	....	15.4	14.6	16.4	14.4	11.6	14.1	13.9	12.8	12.7
10	16.8	15.7	15.4	15.1	14.5	16.4	15.0	11.3	14.2	13.9	12.7	12.6
11	16.4	15.7	15.2	15.0	14.4	16.4	14.9	12.1	14.2	13.8	12.7	12.5
12	16.5	15.6	15.2	14.8	14.4	16.7	14.5	12.4	14.2	14.0	13.3	12.6
13	16.4	15.7	15.3	15.0	14.6	16.5	13.9	13.1	14.1	13.8	13.1	12.6
14	16.7	15.8	15.2	14.8	14.6	16.3	14.1	12.6	14.1	13.8	13.2	12.7
15	16.7	15.5	15.1	14.8	14.6	16.4	14.1	12.6	14.3	13.8	13.3	12.6
16	16.8	15.6	15.4	14.8	14.7	15.1	14.2	13.3	....	13.8	13.3	12.8
17	16.7	15.8	15.1	15.0	14.4	15.9	13.2	12.7	....	14.0	13.2	12.8
18	16.8	15.7	15.2	14.9	14.9	16.2	13.2	12.1	....	13.8	13.3	12.5
19	16.8	15.6	15.1	....	15.1	16.4	13.4	12.7	....	13.8	13.2	12.5
20	17.1	15.6	15.0	14.6	15.0	16.6	13.8	13.1	14.2	13.6	13.1	12.5
21	....	15.7	15.1	14.7	14.9	16.4	13.3	13.6	14.4	13.9	13.1	12.5
22	....	15.5	15.0	14.7	14.8	15.6	12.9	13.8	14.3	13.8	13.2	12.5
23	....	15.6	15.1	14.8	14.9	15.6	13.2	14.2	14.2	13.7	13.3	12.6
24	....	15.5	15.0	14.8	14.9	15.4	13.2	14.4	14.1	13.5	13.1	12.6
25	16.0	15.7	15.0	14.6	15.5	15.3	....	14.4	14.0	13.4	13.0	12.6
26	....	15.8	15.1	14.6	15.4	14.1	....	14.6	14.2	13.5	13.1	12.4
27	....	15.4	15.1	14.5	15.5	14.1	13.5	14.5	14.1	13.6	13.0	12.9
28	....	15.4	15.3	14.4	15.6	14.6	12.8	13.2	14.3	13.5	12.9	12.5
29	16.0		15.2	14.5	15.8	15.1	12.3	13.4	14.2	13.5	12.9	12.8
30	15.9		15.1	14.5	15.9	15.4	11.8	11.9	....	....	12.8	12.7
31	15.9		15.1		15.8		12.3	12.0		13.6		12.4

(D-17-3)9cbd-1. State claims 4446 and 8260. S. E. Christensen. Drilled irrigation artesian well in alluvium, diameter 10 inches, depth 285 feet, cased to 276, perforations 80-240. Land-surface datum is 5,518.8 feet above msl. Highest water level 12.49 below lsd, Aug. 10, 1942; lowest 51.87 below lsd, Apr. 24, 1936. Records available: 1935-54. Mar. 26, 31.26; Nov. 30, 35.35.

(D-18-2)1da. L. H. Hougaard. Drilled unused artesian well in alluvium, diameter 12 inches, depth 205 feet, cased to 205. Land-surface datum is 5,554.9 feet above msl. Highest water level 58.04 below lsd, July 23, 1937; lowest 81.60 below lsd, Apr. 23, 1936. Records available: 1935-54. Mar. 26, 76.55; Nov. 30, 78.33.

(D-19-2)17aad-1. State claim 13462. W. G. Frischknecht. Jetted stock artesian well in alluvium, diameter 2 inches, depth 107 feet, cased to 107. Highest water level 0.23 above lsd, Dec. 6, 1945; lowest 8.72 below lsd, Nov. 30, 1954. Records available: 1935-54. Mar. 26, 6.20; Nov. 30, 8.72.

Sevier County

Central Sevier Valley

(For other wells in this valley see Garfield, Piute, and Sanpete Counties.)

(C-21-1)27aad-1. State claim 8407. E. A. Thorsen. Driven domestic stock artesian well in alluvium, diameter 3 inches, depth 211 feet. Land-surface datum is 5,129.6 feet above msl. Highest water level 1.87 below lsd, Dec. 6, 1945; lowest 5.70 below lsd, Dec. 1, 1954. Records available: 1935-54. Mar. 26, 5.34; Dec. 1, 5.70.

(C-23-2)15bdd-3. State claim 1989. Sevier School District. Jetted unused artesian well in alluvium, diameter 3 inches, depth 167 feet, cased to 167. Land-surface datum is 5,233.5 feet above msl. Highest water level 9.25 above lsd, Dec. 7, 1942; lowest 4.55 above lsd, Apr. 22, 1936. Records available: 1936-54. Mar. 26, +6.9.

(C-23-2)19dab-1. State claim 8447. Wm. Hallows. Jetted unused artesian well in alluvium, diameter 2 inches, depth 310 feet, cased to 310. Highest water level 30.3 above lsd, Aug. 10, 1942; lowest 8.0 above lsd, Sept. 6, 1935. Records available: 1935-54. Recording gage removed Oct. 6, 1954.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.5	22.5	21.8	21.1	20.1	20.1	20.1	20.3	19.8	19.5	....	....
2	23.4	22.4	21.8	21.0	20.1	20.1	20.1	20.1	19.7	19.4	....	....
3	23.5	22.3	21.8	21.1	20.1	20.4	20.0	20.1	....	19.3	....	....
4	23.1	22.3	....	21.1	20.2	20.2	20.0	20.0	....	19.2	....	....
5	23.2	22.2	....	21.1	20.2	20.3	20.1	20.2	19.9	19.2	....	....
6	23.1	22.1	....	21.1	20.3	20.0	20.0	20.2	19.8	19.3	....	....
7	23.1	22.2	21.7	20.7	20.3	20.2	20.2	20.2	19.8	....	....	....
8	23.2	....	21.7	21.0	20.4	20.3	20.1	20.2	19.6	....	....	....
9	23.0	....	21.7	20.9	20.5	20.3	20.2	20.1	19.7	....	....	....
10	23.1	....	21.7	20.8	20.4	20.1	20.2	19.8	20.1	....	....	....
11	23.1	....	21.5	20.9	20.3	20.1	20.3	19.9	19.7	....	....	....
12	23.1	....	21.3	20.7	20.5	20.1	20.1	20.1	19.8	....	....	....
13	23.1	....	21.3	20.8	20.4	20.1	20.0	20.1	19.6	....	....	....
14	23.1	....	21.4	20.7	20.5	20.0	20.0	20.1	19.6	....	....	....
15	23.1	....	21.4	20.8	20.4	20.1	20.2	20.1	19.9	....	....	....
16	23.0	....	21.5	20.6	20.3	20.1	20.1	20.1	19.8	....	....	....
17	23.2	....	21.3	20.8	20.1	20.1	20.2	20.0	19.8	....	....	....
18	23.0	....	21.4	20.9	20.2	20.0	20.1	20.0	19.7	....	....	....
19	23.0	....	21.3	20.7	20.3	20.1	20.1	20.1	19.7	....	....	....
20	22.7	....	21.3	20.7	20.4	20.2	20.2	20.1	19.5	....	....	....
21	22.7	22.1	21.2	20.7	20.4	20.1	20.4	20.1	19.6	....	....	....
22	22.7	22.0	21.1	20.7	20.1	20.1	20.2	20.0	19.6	....	....	....
23	22.7	21.9	21.1	20.6	20.1	20.1	20.4	19.8	19.5	....	....	....
24	22.9	22.1	21.0	20.7	20.1	20.2	20.2	20.0	19.4	....	....	....
25	22.7	22.1	20.9	20.6	20.5	20.1	20.2	20.0	19.1	....	....	....
26	22.5	22.1	21.1	20.5	20.4	19.9	19.9	20.0	19.4	....	....	....
27	22.4	22.0	21.3	20.6	20.2	20.0	20.0	19.9	19.4	....	....	....
28	22.5	21.8	21.4	20.6	20.2	19.9	20.1	19.8	19.6	....	....	....
29	22.5		21.3	20.4	20.4	19.9	20.4	19.8	19.4	....	....	....
30	22.4		21.2	20.4	20.2	20.0	20.3	19.8	19.5	....	....	....
31	22.6		21.0		20.1		20.2	19.8		....		....

(C-23-2)26cdb-1. State claim 323. N. C. Johnson. Jetted stock artesian well in alluvium, diameter 4 inches, depth 48 feet, cased to 48. Land-surface datum is 5,249.9 feet above msl. Highest water level 8.5 above lsd, Dec. 8, 1952; lowest 2.80 above lsd, Aug. 22, 1939. Records available: 1935-54. Mar. 26, +5.4; Dec. 1, +5.7.

(C-25-4)2db. R. W. Pinney. Drilled unused water-table well in alluvium, diameter 3 inches, depth 89 feet, cased to 89. Highest water level 44.86 below lsd, July 21, 1948; lowest 53.63 below lsd, Apr. 7, 1952. Records available: 1939-53. No measurement made in 1954.

Grass Valley

(C-26-1)25acc-1. State claim 3159. A. R. Brown. Jetted stock artesian well in alluvium, diameter 2 inches, depth 127 feet, cased to 50. Land-surface datum is 6,862.9 feet above msl. Highest water level 18.5 above lsd, Apr. 18. 1939; lowest 11.6 above lsd, Aug. 9, 1942. Records available: 1935-54. Mar. 25, +16.8; Dec. 1, +16.4.

Summit County

Rhodes Valley

(D-1-6)19dad-1. State claim 3699. A. W. Frazier. Dug unused water-table well in alluvium, diameter 60 to 8 inches, depth 35 feet. Highest water level 1.87 below lsd, June 22, 1939; lowest 18.30 below lsd, Apr. 3, 1953. Records available: 1938-54. Apr. 19, 18.07; Dec. 8, 15.30.

(D-2-6)5dbb. Burton Peterson. Dug unused water-table well in alluvium, diameter 8 inches depth 10 feet. Highest water level 2.28 below lsd, June 4, 1941; lowest 8.72 below lsd, Mar. 9, 1942. Records available: 1938-54. Apr. 19, 8.13; Dec. 8, 7.87.

Tooele County

Rush Valley

(C-5-5)2bcb-1. Alma Young. Dug stock domestic water-table well in alluvium, diameter 5 feet, depth 34 feet. Highest water level 23.11 below lsd, Apr. 10, 1952; lowest 26.95 below lsd, Sept. 13, 1940. Records available: 1935-54. Apr. 6, 23.51; Dec. 10, 24.00.

(C-8-5)31aad-1. D. J. Fredrickson. Drilled unused artesian well in alluvium, diameter 14 inches. Highest water level 18.18 below lsd, May 13, 1941; lowest 20.58 below lsd, Dec. 20, 1948. Records available: 1941-54. Dec. 10, 19.15.

(C-9-5)6bca-1. State claim 8285. Vernon Irrigation Co. Drilled unused artesian well in alluvium, diameter 15 inches, depth 75 feet, cased to 60. Highest water level 15.66 below lsd, Feb. 18, 1939; lowest 20.18 below lsd, Oct. 20, 1942. Records available: 1936-54. Dec. 10, 17.10.

Tooele Valley

(C-2-4)1bcc-1. Jesse Long. Dug unused water-table well in alluvium, diameter 4 feet, depth 50 feet, cased to 50. Highest water level 31.74 below lsd, Dec. 15, 1940; lowest 36.99 below lsd, Feb. 24, 1941. Records available: 1940-54. Mar. 23, 35.32; Dec. 10, 36.05.

(C-2-4)16aad-2. State claim 14209. Utah Wool Pulling Co. Jetted unused artesian well in alluvium, diameter 4 inches, depth 300 feet, cased to 300. Land-surface datum is 4,261.8 feet above msl. Highest water level 5.13 below lsd, Dec. 28, 1949; lowest 7.07 below lsd, Oct. 1, 1940. Records available: 1940-54. Mar. 23, 6.06.

(C-2-4)33add-1. State claim 899. Ida Clegg. Drilled unused artesian well in alluvium, diameter 6 inches, depth 165 feet, cased to 160, perforations 60-100. Land-surface datum is 4,417.92 feet above msl. Highest water level 30.16 below lsd, Apr. 9, 1950; lowest 46.90 below lsd, Oct. 9, 1939. Records available: 1937-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	32.82	.....	32.28	32.90	34.05	34.76	35.12	35.48	35.63	35.26	34.92
2	33.15	32.81	.....	32.26	32.99	34.01	34.81	35.11	35.49	35.62	35.27	34.89
3	33.10	32.79	.....	32.25	32.94	34.12	34.85	35.14	35.48	35.58	35.28	34.87
4	33.20	32.78	.....	32.22	32.95	34.13	34.82	35.16	35.43	35.57	35.32	34.87
5	33.17	32.76	.....	32.23	32.96	34.16	34.80	35.18	35.42	35.59	35.31	34.71

(C-2-4)33add-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	33.14	32.79	32.42	32.24	32.99	33.89	34.80	35.18	35.43	35.64	35.27	34.67
7	33.07	32.79	32.43	32.27	32.99	34.12	34.85	35.16	35.40	35.60	35.28	34.60
8	33.09	32.76	32.38	32.21	32.99	34.12	34.90	35.17	35.48	35.63	35.29	34.61
9	33.07	32.69	32.33	32.24	33.01	34.15	34.79	35.17	35.50	35.56	35.29	34.59
10	33.04	32.66	32.29	32.27	33.06	34.22	34.81	35.18	35.49	35.48	35.30	34.57
11	32.97	32.67	32.33	32.28	33.08	34.31	34.77	35.18	35.48	35.44	35.28	34.48
12	32.93	32.61	32.38	32.26	33.07	34.28	34.73	35.19	35.42	35.44	35.36	34.46
13	32.94	32.61	32.43	32.23	33.10	34.26	34.84	35.26	35.43	35.45	35.25	34.38
14	32.92	32.61	32.48	32.21	33.17	34.24	34.87	35.28	35.46	35.51	35.17	34.41
15	32.91	32.67	32.42	32.26	33.23	34.28	34.95	35.28	35.47	35.50	35.09	34.34
16	32.90	32.65	32.35	32.29	33.27	34.30	34.97	35.28	35.50	35.46	35.10	34.41
17	32.84	32.60	32.28	32.23	33.39	34.40	35.00	35.33	35.51	35.42	35.14	34.41
18	32.87	32.59	32.40	32.19	33.52	34.45	35.01	35.37	35.54	35.42	35.13	34.41
19	32.83	32.67	32.36	32.21	33.57	34.44	34.99	35.40	35.63	35.40	35.10	34.51
20	32.86	32.63	32.33	32.24	33.81	34.41	35.02	35.41	35.64	35.39	35.09	34.47
21	32.93	32.58	32.32	32.25	33.86	34.50	35.06	35.45	35.66	35.36	35.17	34.44
22	32.87	32.64	32.32	32.23	.....	34.56	35.11	35.48	35.61	35.35	35.17	34.42
23	32.76	32.63	32.24	32.20	33.79	34.57	35.06	35.38	35.65	35.30	35.15	34.39
24	32.77	32.55	32.24	32.28	33.75	34.59	35.04	35.31	35.66	35.28	35.04	34.36
25	32.81	32.54	32.32	32.36	33.72	34.61	35.01	35.35	35.65	35.32	35.02	34.36
26	32.82	32.47	32.35	32.46	33.79	34.64	35.05	35.35	35.60	35.34	35.04	.....
27	32.83	32.59	32.31	32.52	33.89	34.62	35.02	35.38	35.60	35.34	35.00	.....
28	32.81	32.53	32.25	32.57	33.90	34.64	34.99	35.42	35.57	35.32	35.00	.....
29	32.79		32.22	32.77	33.84	34.69	35.03	35.47	35.63	35.31	34.88	.....
30	32.83		32.25	32.77	33.84	34.70	35.06	35.43	35.64	35.29	34.92	.....
31	32.82		32.31		33.87		35.11	35.45		35.28		.....

(C-2-5)5acc-3. A. Searle. Jetted unused artesian well in alluvium, diameter 3 inches, depth 153 feet. Highest water level 0.19 below lsd, Apr. 10, 1952; lowest 1.42 below lsd, Oct. 4, 1940. Records available: 1940-42, 1944-53. No measurement made in 1954.

(C-2-5)25aab-1. State of Utah. Jetted stock artesian well in alluvium, diameter 2 inches, depth 300 feet. Highest water level 12.2 above lsd, Apr. 10, 1952; lowest 9.2 above lsd, Dec. 22, 1952. Records available: 1935-47, 1949-53. No measurement made in 1954.

(C-2-5)36caa-1. State claim 13692. J. A. and S. W. Smith. Drilled unused artesian well in alluvium, diameter 6 inches, depth 145 feet. Land-surface datum is 4,318.8 feet above msl. Highest water level 30.35 below lsd, Mar. 21, 1950; lowest 33.49 below lsd, Aug. 10, 1939. Records available: 1937-54. Mar. 23, 31.20; Dec. 10, 32.78.

(C-2-6)36bac-1. State application 12189. J. R. Clark. Drilled unused artesian well in alluvium, diameter 6 inches, depth 302 feet, cased to 302. Land-surface datum is 4,321.5 feet above msl. Highest water level 19.07 below lsd, Dec. 22, 1952; lowest 23.65 below lsd, Dec. 10, 1954. Records available: 1940-54. Mar. 23, 20.98; Dec. 10, 23.65.

(C-2-6)36cdd-1. E. C. Walk. Drilled unused artesian well in alluvium, diameter 6 inches, depth 176 feet, cased to 166. Land-surface datum is 4,373.7 feet above msl. Highest water level 72.82 below lsd, June 11, 1952; lowest 82.18 below lsd, Dec. 4, 1954. Records available: 1937, 1940-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	78.78	78.84	78.87	79.06	79.22	79.45	79.96	80.88	.....	.....	.....	82.17
2	78.81	78.85	78.90	79.06	79.18	79.46	80.00	80.89	.....	.....	.....	82.17
3	78.80	78.84	78.90	79.06	79.16	79.49	80.02	80.91	.....	.....	.....	82.15
4	78.83	78.84	78.92	79.05	79.15	79.48	80.04	80.93	.....	.....	82.10	82.18
5	78.81	78.84	78.93	.....	79.15	79.47	80.06	80.96	.....	.....	82.10	82.15
6	78.80	78.85	78.94	79.12	79.16	79.50	80.14	80.97	.....	.....	82.10	82.16
7	78.79	78.85	78.93	79.12	79.18	79.50	80.17	.....	.....	.....	82.10	82.17
8	78.80	78.84	78.96	79.14	79.21	79.53	80.19	81.00	.....	.....	82.12	82.16
9	78.82	78.82	78.95	79.15	79.25	79.56	.....	81.01	.....	.....	82.12	82.15
10	78.81	78.82	78.92	79.15	79.29	79.57	.....	81.03	.....	.....	82.12	82.16
11	78.80	78.82	78.99	79.14	79.31	79.58	.....	81.04	.....	.....	.....	82.16
12	78.79	78.74	79.01	79.15	79.32	.....	.....	81.06	.....	.....	.....	82.14
13	78.81	78.74	78.99	79.14	79.34	.....	80.36	81.09	.....	.....	.....	82.14
14	78.80	78.79	78.96	79.16	79.35	79.68	80.39	.....	.....	.....	82.13	82.13
15	78.80	78.83	78.95	79.19	79.35	79.68	80.42	.....	.....	.....	82.14	82.13

(C-2-6)36cdd-1--Continued.

Day	Jan.	Feb	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	78.81	78.82	78.95	79.17	79.36	79.72	80.46	.....	.....	.....	82.16	82.14
17	78.77	78.81	78.97	79.16	79.37	79.76	80.50	.....	.....	.....	82.16	82.15
18	78.77	78.82	78.98	79.16	79.37	79.78	80.53	.....	.....	.....	82.15	82.15
19	78.75	78.85	78.96	79.18	79.35	79.79	80.57	.....	.....	.....	82.15	82.14
20	78.75	78.83	78.96	79.20	79.34	79.83	80.60	.....	.....	.....	82.16	82.15
21	78.77	78.82	78.97	79.19	79.33	79.84	80.61	.....	.....	.....	82.16	82.14
22	78.74	78.81	79.01	79.21	79.33	79.86	80.64	.....	.....	.....	82.16	82.13
23	78.72	78.81	78.98	79.22	79.32	79.88	80.66	80.80	.....	.....	82.17	82.13
24	78.71	78.81	79.01	79.23	79.28	.....	80.67	.....	.....	.....	82.16	82.13
25	78.75	78.83	79.04	79.24	79.27	.....	80.70	.....	.....	.....	82.14	82.13
26	78.78	78.86	79.03	79.22	79.30	79.96	80.73	.....	.....	.....	82.15	82.14
27	78.79	78.81	79.00	79.21	79.35	.....	80.79	.....	.....	.....	82.15	82.14
28	78.80	.....	79.01	79.25	79.37	79.97	80.77	.....	.....	.....	82.14	82.14
29	78.81		79.03	79.22	79.35	79.95	80.79	.....	.....	.....	82.14	82.13
30	78.83		79.05	79.19	.....	79.91	80.83	.....	.....	.....	82.17	82.13
31	78.82		79.04		.....		80.86	.....		.....		82.14

(C-3-5)6dda-1. - State application 9952. Federal Land Bank. Jetted unused water-table well in alluvium, diameter 3 inches, depth 120 feet, cased to 120, perforations 110-120. Land-surface datum is 4,362.4 feet above msl. Highest water level 50.32 below lsd, May 15, 1949; lowest 56.82 below lsd, Feb. 24, 1941. Records available: 1940-54. Mar. 23, 53.70; Dec. 10, 56.52.

Uintah County

Uinta Basin

(For other wells in this basin see Duchesne County.)

U(B-1-1)2caa-2. Ralph Redfoot. Drilled unused water-table well in alluvium, diameter 8 inches, depth 50 feet, cased to 50. Highest water level 5.70 below lsd, June 29, 1937; lowest 34.42 below lsd, Oct. 23, 1946. Records available: 1936-52, 1954. Oct. 11, 24.11.

U(D-1-1)23abb-1. Albert Daniels. Drilled domestic artesian well in alluvium, diameter 5 inches, depth 250 feet, cased to 75. Highest water level 10.80 below lsd, Aug. 2, 1942; lowest 19.11 below lsd, Oct. 8, 1942. Records available: 1935-46, 1949-54. Oct. 11, 18.28.

(D-4-21)12acc-1. Lonzo McCarrel. Dug unused water-table well in alluvium, diameter 4 feet, depth 16 feet. Land-surface datum is 5,256.7 feet above msl. Highest water level 1.43 below lsd, July 6, 1950; lowest 15.54 below lsd, Apr. 30, 1948. Records available: 1939-54. Oct. 12, 11.65.

(D-4-21)16bba-1. Wm. Schaefermeyer. Dug unused water-table well in alluvium, diameter 6 inches, depth 25 feet. Land-surface datum is 5,529.5 feet above msl. Highest water level 8.62 below lsd, July 6, 1950; lowest 20.42 below lsd, Feb. 3, 1949. Records available: 1948-54. Oct. 12, 17.68.

(D-4-21)23dbb-2. State application 16752. Ella Preas. Drilled unused water-table well in alluvium, diameter 4 inches, depth 18 feet. Land-surface datum is 5,319.1 feet above msl. Highest water level 7.48 below lsd, June 7, 1948; lowest 10.44 below lsd, Jan. 16, 1953. Records available: 1948-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	10.35	Mar. 19	10.13	June 21	8.48	Oct. 6	9.41
10	10.37	29	10.15	30	8.48	15	9.57
28	10.31	Apr. 13	9.86	July 9	8.50	Nov. 1	9.74
Feb. 6	10.35	22	9.94	26	8.65	9	9.81
12	10.28	May 4	9.68	Aug. 6	8.73	18	9.86
18	10.26	June 1	9.39	12	8.83	26	9.89
26	10.25	9	8.77	23	8.95	Dec. 2	9.90
Mar. 5	10.21	11	8.72	Sept. 16	9.15	17	9.96
12	10.16						

(D-4-22)32dcd-1. Standard Oil of California. Drilled unused water-table well in alluvium, diameter 6 inches, depth 56 feet. Land-surface datum is 5,097.55 feet above msl. Highest water level 1.53 below lsd, Oct. 28, 1952, Oct. 27, 1953; lowest 3.83 below lsd, Apr. 6, 1949. Records available: 1948-54. Oct. 12, 1.77.

(D-5-21)2dcb-1. State application 18686. George C. Davis. Drilled stock water-table well in alluvium, diameter 6 inches, depth 50 feet. Land-surface datum is 5,410.4 feet above msl. Highest water level 4.74 below lsd, June 7, 1948; lowest 13.58 below lsd, Feb. 5, 1951. Records available: 1948-52, 1954. Oct. 12, 11.77.

Utah County

Cedar Valley

(C-6-2)29cac-1. Marsh Williams. Drilled unused artesian well in alluvium, diameter 4 inches. Land-surface datum is 4,876.3 feet above msl. Highest water level 6.4 above lsd, Dec. 31, 1952; lowest 3.42 above lsd, Mar. 24, 1944. Records available: 1943-50, 1952, 1954. Dec. 9, +3.9.

Goshen Valley

(C-10-1)2aad-1. State claim 5206. Albert Morgan. Jetted unused artesian well in alluvium, diameter 2 inches, depth 84 feet, cased to 84. Highest water level 7.31 below lsd, Nov. 25, 1941; lowest 13.48 below lsd, Aug. 26, 1938. Records available: 1938-54. Apr. 5, 12.86; Nov. 29, 12.85.

Utah Lake Valley - North Utah Basin

(D-5-1)14adb-1. State claim 8371. American Fork Irrigation Co. Drilled unused artesian well in alluvium, diameter 14 to 10 inches, depth 350 feet, cased to 350, perforations 230-240, 259-346. Land-surface datum is 4,648.42 feet above msl. Highest water level 45.02 below lsd, July 5, 1952; lowest 65.76 below lsd, May 20, 1941. Records available: 1937-53. No measurement made in 1954.

(D-5-1)20aba-1. State claim 6860. Jacob G. Cox. Jetted irrigation artesian well in alluvium, diameter 3 inches, depth 292 feet, cased to 292. Land-surface datum is 4,522.1 feet above msl. Highest water level 60.4 above lsd, Apr. 7, 1953; lowest 35.4 above lsd, Sept. 25, 1935. Records available: 1935-54. Nov. 9, +39.1.

(D-5-1)20aba-2. State claim 6861. Jacob G. Cox. Jetted unused artesian well in alluvium, diameter 2½ to 2 inches, depth 154 feet, cased to 152. Land-surface datum is 4,522.0 feet above msl. Highest water level 37.3 above lsd, Apr. 3, 1953; lowest 9.55 above lsd, Sept. 25, 1935. Records available: 1935-54.

Daily noon water level above lsd from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	29.8	....	32.1	21.3	....	12.9	13.5	12.7	17.6	20.8	26.0
2	....	30.0	31.9	32.2	21.5	....	12.8	13.4	12.6	17.6	20.8	26.1
3	....	29.9	31.9	....	20.9	13.6	12.9	12.3	13.6	16.9	20.6	26.1
4	....	29.8	31.8	....	22.3	13.4	12.7	....	13.5	....	20.7	26.2
5	....	....	31.3	....	21.9	13.3	12.1	....	13.4	....	20.9	26.1
6	....	....	31.4	....	21.8	....	12.2	....	13.7	....	20.8	26.2
7	....	29.8	31.6	31.5	21.6	....	12.2	....	14.0	17.2	21.4	26.1
8	30.3	29.7	31.5	31.5	20.6	....	12.2	....	....	17.0	21.0	26.3
9	30.3	29.9	31.6	31.4	19.5	....	11.6	13.0	....	17.2	21.9	26.4
10	....	30.6	31.7	31.3	18.3	13.2	11.5	13.0	....	16.7	22.0	....
11	....	30.6	31.6	30.8	16.9	14.3	11.7	....	....	17.2	22.4	....
12	....	30.9	31.6	30.5	16.6	....	11.5	....	....	18.0	22.5	....
13	....	31.0	31.6	29.9	15.0	14.3	10.8	....	....	....	22.5	....
14	....	31.0	31.5	29.7	14.8	14.1	11.7	....	....	....	23.1	....
15	30.4	31.2	31.6	29.7	14.5	14.1	11.9	....	....	....	23.4	....
16	30.3	31.6	31.8	29.5	14.4	14.0	12.1	12.3	....	....	23.3	....
17	30.2	31.7	31.7	29.2	13.9	13.8	11.7	12.6	....	19.2	23.4	....
18	30.3	31.7	31.7	27.4	13.8	14.4	11.9	12.7	....	19.0	23.6	....
19	30.6	....	31.7	27.2	13.5	....	12.5	12.8	....	....	23.9	....
20	30.5	....	31.7	25.4	13.8	13.4	12.4	13.4	....	....	24.1	....
21	30.5	....	31.8	25.8	13.0	13.4	12.5	12.5	....	....	24.4	....
22	30.8	....	31.9	24.4	13.3	13.5	12.6	12.1	....	....	24.4	....
23	30.7	....	32.0	22.8	14.1	12.9	12.9	11.9	13.6	....	24.3	....
24	30.7	....	32.0	23.6	14.3	12.4	13.2	12.2	14.6	19.1	24.6	....
25	30.3	32.3	32.1	23.3	14.1	12.3	13.2	12.1	15.8	19.1	25.2	....
26	....	32.3	31.8	22.9	13.8	11.8	13.2	12.1	16.4	19.3	25.5	....
27	....	32.0	....	22.5	13.7	11.8	14.4	12.6	....	20.0	25.6	....
28	....	31.8	....	20.9	13.4	12.5	14.5	12.1	....	20.1	25.6	....
29	....		....	20.9	13.3	12.3	14.6	12.4	....	20.3	25.7	....
30	....		....	21.2	....	12.8	14.2	12.8	17.4	20.7	25.7	....
31	29.9		....		....		13.7	12.8		21.0		....

(D-5-1)23dab-3. State claim 17054. City of American Fork. Drilled unused artesian well in alluvium, diameter 3 inches, depth 265 feet, cased to 265. Land-surface datum is 4,566.0 feet above msl. Highest water level 32.6 above lsd, Apr. 22, 1953; lowest 12.8 above lsd, Mar. 17, 1941. Records available: 1940-54. Mar. 24, +20.0.

(D-6-2)10add-1. State claim 3123. City of Orem. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 101 feet, cased to 101. Land-surface datum is 4,780 feet above msl. Highest water level 36.42 below lsd, Dec. 1, 1953; lowest 53.80 below lsd, Feb. 28, 1940. Records available: 1940-54. Mar. 24, 41.01.

(D-6-2)28bad-1. State claim 2087. Henry Williamson. Jetted irrigation artesian well in alluvium, diameter 4 inches, depth 110 feet, cased to 110. Land-surface datum is 4,516.8 feet above msl. Highest water level 17.2 above lsd, Dec. 18. 1945; lowest 7.35 above lsd, Dec. 14, 1935. Records available: 1935-53. No measurement made in 1954.

South Utah Basin

(D-8-1)13aaa-1. State claim 14076. R. G. Francis. Jetted irrigation artesian well in alluvium, diameter 4 to 2 inches, depth 358 feet, cased to 358. Land-surface datum is 4,498.56 feet above msl. Highest water level 18.6 above lsd, Dec. 17, 1946; lowest 8.8 above lsd, Aug. 8, 1936. Records available: 1936-51, 1953. No measurement made in 1954.

(D-8-2)4cba-2. State claim 10844. Mary G. Barney. Jetted irrigation well in alluvium, diameter 2 inches, depth 330 feet. Land-surface datum is 4,501.09 feet above msl. Highest water level 38.1 above lsd, Dec. 16, 1952; lowest 23.3 above lsd, Aug. 25, 1938. Records available: 1937-54. Mar. 24, +37.4; Dec. 29, +35.1.

(D-8-3)4cad-1. State application 11830. Springville Canning Co. Jetted industrial artesian well in alluvium, diameter 4 inches, depth 231 feet. Highest water level 36.0 above lsd, Dec. 11, 1952; lowest 16.7 above lsd, Aug. 31, 1935. Records available: 1935-54. Mar. 24, +25.6; Dec. 29, +22.3.

(D-9-1)1cbc-2. State claim 8344. Drought Relief Administration. Drilled unused artesian well in alluvium, diameter 8 inches. Highest water level 0.56 below lsd, Apr. 9, 1952; lowest 3.10 below lsd, Jan. 21, 1941. Records available: 1940-54. Mar. 24, 2.10; Dec. 29, 2.44.

(D-9-2)5ddc-2. State claim 1139. Payson City Corp. Jetted unused artesian well in alluvium, diameter 3 inches, depth 170 feet, cased to 170. Land-surface datum is 4,577 feet above msl. Highest water level 20.2 above lsd, Aug. 22, 1943; lowest 6.55 above lsd, July 31, 1935. Records available: 1935-54. Mar. 24, +14.4; Dec. 29, +14.7.

Wasatch County

Heber Valley

(D-2-5)20cc. Lee Brothers. Dug domestic stock water-table well in alluvium, diameter 24 inches, depth 29 feet. Land-surface datum is 6,021.2 feet above msl. Highest water level 18.90 below lsd, Apr. 16, 1952; lowest 29.00 below lsd, Dec. 16, 1952. Records available: 1936-54. Apr. 19, 26.59; Dec. 8, 26.58.

(D-3-5)29cac-1. Miles Clyde. Dug domestic water-table well in alluvium, diameter 4 feet, depth 15 feet. Highest water level 0.80 below lsd, June 24, 1949; lowest 10.32 below lsd, Mar. 9, 1942. Records available: 1936-54. Apr. 19, 10.32; Dec. 8, 8.42.

Washington County

Escalante Valley
(For other wells in this valley see Beaver, Iron, and Millard Counties.)

(C-37-16)6ccc-1. State application a2298. LeRoy Adams. Drilled irrigation well in alluvium, diameter 14 inches, depth 200 feet, cased to 200. Land-surface datum is 5,285.2 feet above msl. Highest water level 76.60 below lsd, May 19, 1952; lowest 105.34 below lsd, Oct. 14, 1951. Records available: 1945, 1947-54. Mar. 17, 94.03; Dec. 8, 98.67.

(C-37-17)12bdc-1. Charles Sides. Drilled irrigation artesian well in alluvium, diameter 14 inches. Land-surface datum is 5,300 feet above msl. Highest water level 17.50 below lsd, May 8, 1952; lowest 37.85 below lsd, Oct. 14, 1951. Records available: 1941-54. Mar. 18, 34.07; Dec. 8, 34.50.

(C-37-17)14adc-1. John C. Bosshardt. Dug stock water-table well in alluvium, diameter 4 feet, depth 60 feet. Highest water level 31.64 below lsd, Mar. 21, 1947; lowest 47.25 below lsd, Oct. 16, 1951. Records available: 1941-54. Dec. 8, 45.78.

Virgin River Valley

(C-38-12)20bba-1. State application 16635. E. G. Graff. Drilled irrigation artesian well in alluvium, diameter 12 inches, depth 220 feet. Highest water level 40.26 below lsd, Mar. 27, 1950; lowest 46.99 below lsd, Mar. 23, 1954. Records available: 1947-54. Mar. 23, 46.99.

(C-41-13)7dba-1. State application 17859. Clair Sterling. Drilled unused artesian well in alluvium, diameter 12 inches, depth 98 feet. Highest water level 0.14 below lsd, June 2, 1952; lowest 8.29 below lsd, Dec. 7, 1951. Records available: 1947-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.36	5.95	4.47	3.82	4.24	3.27	2.59	2.60	3.76	2.99	....	3.21
2	6.45	5.90	4.50	3.99	3.62	3.35	2.73	2.70	3.85	2.97	....	3.22
3	6.52	5.86	4.69	4.23	3.85	3.52	2.35	2.85	3.85	3.23	....	3.21
4	6.56	5.82	4.82	3.40	3.55	2.77	....	2.37	3.93	3.38	....	....
5	6.58	5.81	4.49	4.01	3.84	3.31	....	2.55	4.10	....	....	....
6	6.62	5.83	4.50	4.26	3.86	2.76	....	....	3.96	....	....	....
7	6.42	5.92	4.76	4.33	3.97	2.80	....	....	3.87	....	....	....
8	6.10	5.75	4.10	4.57	4.00	2.37	....	....	3.63	....	....	....
9	6.26	5.67	4.70	4.14	4.05	2.50	....	....	3.74	....	....	....
10	6.43	5.84	4.60	4.30	4.41	2.56	....	2.49	3.70	....	....	....
11	6.52	5.85	4.61	4.58	4.06	3.01	....	2.63	3.75	3.83	3.84	....
12	6.58	5.84	4.72	4.76	4.02	2.77	....	2.75	3.23	4.16	3.75	....
13	6.65	5.88	4.90	4.84	4.15	2.88	....	2.92	3.04	4.06	3.44	....
14	6.72	5.71	4.20	4.55	3.07	2.70	....	3.06	3.00	....	3.35	....
15	6.78	5.40	4.67	4.47	3.58	2.77	....	3.05	3.23	....	3.43	....
16	6.85	5.63	4.85	4.59	3.63	2.97	....	2.97	3.30	....	3.50	....
17	6.90	5.97	4.94	4.64	3.69	2.82	....	3.12	3.43	....	3.57	....
18	6.96	4.88	5.03	4.71	3.77	2.83	2.10	3.17	3.54	....	3.65	....
19	6.85	5.51	4.78	4.60	3.89	3.01	....	2.91	3.60	....	3.71	....
20	6.21	4.00	4.85	4.76	3.28	3.17	2.47	2.88	4.22	....	3.07	....
21	6.27	3.00	4.50	4.83	3.71	3.32	2.49	3.00	3.58	....	2.94	....
22	5.92	3.47	4.32	4.90	3.49	2.25	2.73	3.17	2.50	....	3.10	....
23	5.71	3.76	4.28	5.03	3.51	2.78	2.66	3.28	3.00	....	3.20	....
24	5.67	4.00	2.77	4.47	3.59	2.31	2.33	3.40	2.93	....	3.24	....
25	5.47	3.98	2.68	4.31	2.71	2.72	2.69	3.46	3.05	....	3.24	....
26	5.50	4.07	....	3.87	3.40	2.50	2.54	3.25	3.18	....	2.90	....
27	5.62	4.37	....	4.59	3.75	3.12	2.29	3.23	3.32	....	2.44	....
28	5.63	4.37	....	4.83	3.45	2.87	1.82	3.40	3.20	....	2.93	....
29	5.51		....	4.30	3.37	2.71	....	3.43	3.45	....	3.04	....
30	6.15		3.60	4.35	3.32	2.59	....	3.55	3.24	....	3.23	....
31	5.87		3.68		3.05		....	3.66		....		....

(C-42-11)3ac. Drought Relief Administration. Drilled domestic stock water-table well in alluvium, diameter 6 to 5 inches, depth 62 feet, cased to 62, perforations 40-62. Highest water level 17.09 below lsd, Dec. 6, 1937; lowest 19.12 below lsd, Mar. 24, 1940. Records available: 1934, 1936-53. No measurement made in 1954.

(C-42-16)22cba-1. State application 18001. Clyde Graff. Drilled irrigation artesian well in alluvium, diameter 16 inches, depth 92 feet. Highest water level 20.08 below lsd, Mar. 28, 1950; lowest 21.76 below lsd, Dec. 7, 1950. Records available: 1947-54. Mar. 23, 21.52.

(C-42-16)24bba-1. State application 20557. Bryon Thornton. Drilled industrial artesian well in alluvium, diameter 4 inches, depth 185 feet. Highest water level 24.68 below lsd, Mar. 25, 1951; lowest 35.07 below lsd, Dec. 7, 1951. Records available: 1949-54. Mar. 23, 25.93; Dec. 3. 26.32.

Wayne County

Fremont Valley

(D-28-4)36cdb-1. V. A. Lee. Drilled unused water-table well in alluvium, diameter 6 inches, depth 112 feet, cased to 112. Highest water level 8.14 below lsd, June 8, 1937; lowest 15.02 below lsd, Dec. 1, 1954. Records available: 1936-54. Mar. 25, 13.85; Dec. 1, 15.02.

(D-29-4)6bbd-1. State claim 19179. Reed Maxfield. Drilled domestic artesian well in alluvium, diameter 6 inches, depth 92 feet, cased to 92. Highest water level 15.47 below lsd, Dec. 10, 1951; lowest 20.33 below lsd, Mar. 16, 1953. Records available: 1948-54. Mar. 25, 18.62; Dec. 1, 16.68.

(D-29-4)15cbd. W. P. Coleman. Drilled stock artesian well in alluvium, diameter 3 inches, depth 192 feet, cased to 100. Highest water level 1.45 above lsd, Dec. 5, 1944; lowest 22.22 below lsd, Sept. 29, 1936. Records available: 1936-54. Mar. 25, 4.48; Dec. 1, 9.20.

Weber County

East Shore area
(For other wells in this area see Box Elder and Davis Counties.)

(B-5-2)4aaa-2. State claim 5523. Florian Prevedel. Jetted domestic artesian well in alluvium, diameter $1\frac{1}{4}$ inches, depth 263 feet. Land-surface datum is 4,258.8 feet above msl. Highest water level 7.45 above lsd, Apr. 28, 1953; lowest dry July 15, Oct. 8, 1954. Records available: 1944-54. Mar. 5, 4.95; Apr. 13, 4.75; July 15, dry; Oct. 8, dry.

(B-5-2)4cdd-1. State application 11889. Donas Ward. Jetted domestic stock artesian well in alluvium, diameter 3 inches, depth 640 feet, perforations 622-640. Land-surface datum is 4,259 feet above msl. Highest water level 42.3 above lsd, May 26, 1953; lowest 28.8 above lsd, Aug. 8, 1945. Records available: 1936-54. Mar. 5, +38.3; Apr. 13, +35.2; July 15, +31.3; Oct. 13, +29.8.

(B-5-3)13ddc-1. State claim 1298. J. D. Hooper. Jetted domestic artesian well in alluvium, diameter 2 to $1\frac{1}{4}$ inches, depth 615 feet, cased to 615. Land-surface datum is 4,242.02 feet above msl. Highest water level 40.0 above lsd, May 26, 1953; lowest 26.7 above lsd, July 2, 1948. Records available: 1937-54. Mar. 5, +33.7; Apr. 16, +35.7; July 15, +30.2; Oct. 14, +30.9.

(B-6-1)21add-1. State claim 8389. Drought Relief Administration. Drilled unused artesian well in alluvium, diameter 12 to 10 inches, depth 270 feet, cased to 210, perforations 126-157, 170-210. Land-surface datum is 4,346.7 feet above msl. Highest water level 42.47 below lsd, May 26, 1953; lowest 49.69 below lsd, Oct. 5, 1954. Records available: 1938-54. Mar. 3, 44.67; Apr. 9, 44.62; July 13, 47.41; Oct. 5, 49.69.

(B-6-1)29abb-1. State application 13003. Becker Products Co. Drilled unused artesian well in alluvium, diameter 10 to 8 inches, depth 464 feet, cased to 464. Land-surface datum is 4,292 feet above msl. Highest water level 23.9 above lsd, Mar. 15, 1954; lowest 9.3 above lsd, Sept. 16, 1948. Records available: 1943-54.

Daily noon water level above lsd from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.7	22.9	22.9	22.8	22.3	21.6	20.7	17.5	15.7	15.4	17.4	17.9
2	22.7	22.9	22.8	22.8	22.5	21.5	20.0	17.3	15.6	15.7	17.3	18.0
3	22.7	22.9	22.8	23.2	22.8	21.6	19.8	17.1	15.5	15.8	17.4	18.0
4	22.7	22.9	22.9	22.8	22.8	21.6	19.6	17.2	15.5	16.0	17.3	18.0
5	22.7	22.8	22.9	22.8	22.8	21.5	19.4	17.1	15.5	16.0	17.2	17.9
6	22.7	22.8	23.0	22.8	22.8	21.4	19.3	17.1	15.5	16.2	17.3	18.0
7	22.7	22.8	23.0	22.7	22.8	21.5	19.2	17.0	15.5	16.3	17.3	18.0
8	22.8	22.8	22.9	22.8	22.8	21.7	19.2	17.0	15.4	16.4	17.3	18.0
9	22.8	22.9	23.0	22.8	22.8	21.7	19.1	17.0	15.4	16.5	17.3	18.0
10	22.8	23.0	23.0	22.7	22.3	21.6	18.9	16.8	15.3	17.5	17.4	18.0
11	22.8	23.0	23.0	22.7	22.4	21.6	18.8	16.8	15.5	16.7	17.5	18.0
12	22.8	23.0	23.8	22.7	22.4	21.6	18.7	16.7	15.3	16.8	17.5	18.0
13	22.8	23.0	23.8	22.9	22.3	21.5	18.6	16.6	15.7	16.7	17.5	18.1
14	22.8	23.0	23.8	23.1	22.4	21.5	18.4	16.7	15.5	16.7	17.5	18.1
15	22.9	23.0	23.9	22.9	22.3	21.5	18.3	16.7	15.5	16.7	17.6	18.1
16	22.9	22.9	23.5	22.8	22.3	21.5	18.3	16.5	15.4	16.9	17.6	18.1
17	22.9	23.0	23.2	23.0	22.3	21.5	18.2	16.4	15.2	16.9	17.5	18.1
18	22.9	23.0	23.0	23.2	22.0	21.5	18.2	16.4	15.2	16.9	17.6	18.1
19	22.9	22.8	22.9	22.9	21.6	21.1	18.1	16.5	15.1	17.0	17.6	18.1
20	22.9	22.8	23.0	22.7	21.3	21.0	18.1	16.3	15.0	17.0	17.7	18.1
21	22.9	22.9	22.9	22.6	21.5	20.8	18.0	16.2	14.8	17.0	17.6	18.1
22	23.0	22.8	22.9	22.4	21.7	20.6	18.0	16.1	14.7	17.0	17.6	18.2
23	23.0	22.9	23.0	22.7	21.6	20.5	17.9	16.1	14.8	17.2	17.7	18.2
24	23.0	22.9	23.4	22.7	21.5	20.2	17.9	16.2	14.6	17.2	17.7	18.2
25	23.0	22.9	23.0	22.7	21.5	20.3	17.8	16.0	14.7	17.1	17.7	18.2
26	23.0	22.9	22.8	22.7	21.5	20.0	17.6	16.0	14.7	17.1	17.7	18.2
27	23.0	22.9	22.8	22.8	21.5	20.0	17.6	15.8	14.7	17.2	17.8	18.2
28	22.9	22.9	22.8	22.8	21.5	20.1	18.0	15.7	14.7	17.2	17.8	18.2
29	22.9		22.8	22.7	21.6	20.4	17.8	15.7	14.9	17.3	17.8	18.2
30	22.9		22.8	22.6	21.6	20.5	17.6	15.6	15.3	17.3	17.9	18.2
31	22.9		22.8		21.5		17.6	15.7		17.4		18.2

(B-6-1)30cca-1. State claim 1030. California Packing Corp. Drilled unused artesian well in alluvium, diameter 10 inches, depth 756 feet, cased to 756, perforations 224-250, 526-535. Land-surface datum is 4,317.12 feet above msl. Highest water level 26.90 below lsd, June 8, 1953; lowest 33.62 below lsd, Oct. 8-9, 1954. Records available: 1943-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.95	28.85	28.70	28.68	28.83	29.92	30.76	32.32	33.23	33.53	33.18	32.62
2	28.96	28.84	28.71	28.68	28.90	29.93	30.80	32.33	33.26	33.52	33.12	32.61
3	28.97	28.82	28.71	28.63	28.90	29.93	30.90	32.32	33.23	33.56	33.12	32.53
4	28.98	28.82	28.73	28.60	28.88	29.89	31.02	32.33	33.27	33.58	33.14	32.43
5	28.98	28.83	28.75	28.59	28.90	29.92	31.04	32.47	33.28	33.61	33.12	32.47
6	28.93	28.84	28.73	28.59	28.94	30.00	31.03	32.63	33.33	33.61	33.08	32.45
7	28.88	28.86	28.75	28.61	28.98	30.05	31.00	32.68	33.33	33.60	33.04	32.28
8	28.91	28.87	28.66	28.58	28.99	30.01	31.02	32.74	33.36	33.62	33.04	32.30
9	28.92	28.79	28.54	28.58	29.02	29.98	31.07	32.78	33.36	33.62	33.03	32.22
10	28.94	28.76	28.50	28.65	29.03	30.02	.....	32.82	33.34	33.61	33.03	32.13
11	28.85	28.77	28.50	28.63	29.07	30.05	.....	32.85	33.31	33.61	32.98	32.19
12	28.80	28.73	28.55	28.59	29.08	30.01	.....	32.89	33.33	33.60	32.92	32.18
13	28.81	28.70	28.62	28.62	29.22	30.04	.....	32.90	33.37	33.57	32.91	32.09
14	28.80	28.73	28.63	28.62	29.34	30.26	.....	32.99	33.34	33.61	32.85	32.10
15	28.80	28.77	28.64	28.68	29.40	30.24	.....	32.97	33.30	33.56	32.79	31.99
16	28.82	28.85	28.65	28.76	29.48	30.20	31.80	32.98	33.35	33.52	32.73	31.96
17	28.75	28.84	28.59	28.74	29.52	30.20	31.91	32.95	33.36	33.47	32.78	31.91
18	28.78	28.78	28.67	28.70	29.56	30.25	31.99	33.02	33.44	33.47	32.78	31.87
19	28.74	28.87	28.65	28.73	29.60	30.25	32.02	33.02	33.44	33.42	32.76	31.84
20	28.79	28.85	28.62	28.76	29.64	30.34	32.03	33.03	33.49	33.42	32.74	31.79
21	28.86	28.83	28.63	28.79	29.67	30.48	32.00	33.06	33.50	33.39	32.73	31.76
22	28.83	28.83	28.65	28.84	29.71	30.49	32.07	33.10	33.45	33.36	32.74	31.72
23	28.80	28.77	28.57	28.83	29.74	30.52	32.08	33.11	33.48	33.28	32.72	31.70
24	28.75	28.71	28.57	28.86	29.78	30.53	.....	33.05	33.52	33.25	32.71	31.63
25	28.70	28.69	28.62	28.87	29.70	30.60	.....	33.05	33.55	33.27	32.65	31.60
26	28.73	28.58	28.68	28.92	29.74	30.65	.....	33.01	33.55	33.30	32.65	31.60
27	28.75	28.72	28.66	28.87	29.81	30.71	.....	33.08	33.48	33.30	32.60	31.62
28	28.75	28.69	28.62	28.84	29.82	30.75	.....	33.11	33.46	33.26	32.61	31.65
29	28.74		28.60	28.86	29.79	30.75	.....	33.16	33.52	33.35	32.55	31.58
30	28.79		28.61	28.77	29.85	30.73	32.30	33.17	33.53	33.22	32.57	.....
31	28.79		28.69		29.91		32.29	33.18		33.20		.....

(B-6-2)11dad-1. State claim 5613. Jerome Wheeler. Jetted stock artesian well in alluvium, diameter 2 inches, depth 285 feet, cased to 285. Land-surface datum is 4,241.62 feet above msl. Highest water level 27.4 above lsd, Feb. 26, Mar. 26, May 26, 1953; lowest 17.0 above lsd, Dec. 3, 1954. Records available: 1937-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4	+26.7	June 2	+25.5	Sept. 8	+20.2	Nov. 9	+19.0
Apr. 13	+26.4	July 13	+25.3	Oct. 12	+17.2	Dec. 3	+17.0
May 5	+26.4	Aug. 9	+24.6				

(B-6-3)26bbb-1. State claim 7505. Mrs. F. G. Kelly. Jetted domestic stock artesian well in alluvium, diameter 2 inches, depth 512 feet, cased to 512. Land-surface datum is 4,219.3 feet above msl. Highest water level 33.5 above lsd, May 1, 1940; lowest 24.1 above lsd, Jan. 2, 1952 Records available: 1935-54. Mar. 4, +27.8; Apr. 13, +25.9; July 14, +26.3; Oct. 13, +25.3.

(B-7-1)33baa-5. State claim 16832. J. P. Spackman. Jetted irrigation artesian well in alluvium, diameter 4 inches, depth 126 feet, cased to 126. Highest water level 36.4 above lsd, July 28, 1952; lowest 5.0 above lsd, Aug. 4, 1943. Records available: 1943-54. Mar. 2, +21.5; Apr. 9, +19.2; July 12, +8.4; Oct. 5, +16.8.

(B-7-2)32aca-1. State application 15170. Dean Baker. Jetted stock artesian well in alluvium, diameter 2 inches, depth 630 feet, cased to 630. Highest water level 39.9 above lsd, May 27, 1953; lowest 27.2 above lsd, July 12, 1945. Records available: 1945-54. Mar. 4, +35.1; Apr. 13, +37.3; July 14, +35.8; Oct. 12, +35.7.

(B-7-2)36cdd-1. State application 14082. J. D. Brown. Jetted domestic stock artesian well in alluvium, diameter 2 inches, depth 617 feet, cased to 617. Highest water level 41.0 above lsd, Dec. 11, 1943, Apr. 7, 1947; lowest 24.9 above lsd, Aug. 6, 1943. Records available: 1943-54.

Mar. 3	+36.5	July 13	+25.7	Sept. 8	+26.0	Nov. 9	+32.7
Apr. 9	+36.3	Aug. 9	+30.1	Oct. 5	+35.2	Dec. 3	+32.2
June 2	+29.7						

Ogden Valley

(A-6-1)11dc-1. U. S. Bureau of Reclamation. Drilled unused artesian well in alluvium, diameter 10 inches, depth 152 feet, cased to 152. Highest water level 4.27 below lsd, June 7, 1945; lowest 43.11 below lsd, Nov. 24, 1935. Records available: 1935-54. Recording gage removed Feb. 23, 1954.

Daily noon water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	37.52	Jan. 13	37.82	Feb. 1	37.90	Feb. 13	37.77
2	37.63	14	37.83	2	37.89	14	37.75
3	37.65	15	37.85	3	37.88	15	37.72
4	37.66	16	37.86	4	37.87	16	37.67
5	37.68	17	37.87	5	37.86	17	37.60
6	37.69	18	37.89	6	37.85	18	37.49
7	37.71	19	37.89	7	37.84	19	37.36
8	37.73	20	37.90	8	37.83	20	37.23
9	37.75	21	37.91	9	37.82	21	37.13
10	37.77	22	37.91	10	37.80	22	37.11
11	37.79	23	37.91	11	37.79	23	37.10
12	37.82	24	37.92	12	37.78		

(A-6-1)12aa-1. City of Ogden. Drilled unused artesian well in alluvium, diameter 8 inches, depth 108 feet, cased to 108. Land-surface datum is 4,880 feet above msl. Highest water level 10.08 above lsd, May 21, 1938; lowest 14.36 below lsd, Oct. 6, 1934. Records available: 1932-54.

Daily noon water level above and below lsd from recorder graph*

Day	Jan.	Feb.	Mar.	May	June	Aug.	Sept.	Oct.	Nov.
1	....	-5.51	-3.79	+3.10	+5.18	....	-3.84	....	-4.52
2	....	5.52	3.79	3.38	5.17	....	3.89	....	4.51
3	....	5.52	3.73	3.64	5.17	....	3.91	....	4.52
4	....	5.54	3.70	3.83	5.20	....	3.97	....	4.37
5	....	5.55	3.69	3.92	4.89	....	4.05	....	4.24
6	....	5.58	3.61	4.07	4.61	....	4.14	....	4.12
7	....	5.61	3.67	4.07	4.62	....	4.17	....	4.04
8	....	5.62	3.51	4.12	4.61	....	4.24	....	3.98
9	....	5.61	-3.35	4.19	5.01	....	4.31	....	3.93
10	....	5.60	....	4.28	5.28	....	4.33	....	3.88
11	....	5.61	....	4.36	5.37	....	4.38	....	3.80
12	-4.97	5.60	....	4.43	5.42	....	4.45	....	3.68
13	5.04	5.56	....	4.50	5.41	....	4.54	....	3.66
14	5.07	5.25	....	4.51	5.32	....	4.56	....	3.58
15	5.13	5.15	....	4.53	5.37	....	4.63	....	3.49
16	5.18	5.05	....	4.55	5.23	....	4.69	....	3.46
17	5.18	4.99	....	4.53	+5.17	....	4.75	....	3.43
18	5.23	4.87	....	4.52	....	-3.06	4.83	....	3.37
19	5.25	4.92	....	4.50	....	3.08	4.88	....	3.33
20	5.30	4.86	....	4.47	....	3.14	4.98	....	3.46
21	5.32	4.83	....	4.46	....	3.23	5.03	....	3.55
22	-5.31	4.78	....	4.77	....	3.29	5.05	....	3.59
23	....	4.63	....	4.99	....	3.35	-5.14	....	3.59
24	....	4.43	....	5.11	....	3.37	....	....	-3.61
25	....	4.31	....	5.26	....	3.44	....	....	....
26	....	4.14	....	5.23	....	3.49	....	....	....
27	....	4.08	....	5.18	....	3.56	....	....	....
28	....	-3.92	....	5.19	....	3.66	....	....	....
29	....		....	5.22	....	3.69	....	-4.39	....
30	....		....	5.19	....	3.71	....	-4.43	....
31	....		....	+5.17		-3.77		-4.47	

*No record for April, July, and December.

WASHINGTON

By Glen D. Holmberg

Scope of Water-Level Program

The observation-well program in Washington was continued in 1954 in cooperation with the State Department of Conservation and Development, Water Resources Division. Included in this report are measurements of 1 lake and 113 wells, 3 of which are included for the first time. Figure 27 shows the location of observation wells in the State. Several wells, not listed in the report, were measured periodically in connection with investigations of the ground-water resources of the Seattle metropolitan area in King County, Tacoma-Central Pierce County area, Lewis County, Whitman County, the Columbia Basin, and other areas.

The following reports on the ground-water resources of Washington were released to the open file in 1954:

Investigation of the rise in level of Soap Lake at Soap Lake, Wash.

Preliminary investigation of ground water in the East Sound area, Orcas Island, San Juan County, Wash.

Geohydrologic evaluation of streamflow records in the Yakima River basin, Washington.

Geology and ground-water resources of Kitsap County, Wash.

Precipitation

The Cascade Range divides the State into eastern and western parts having distinctly different climatic conditions. East of the Cascades precipitation is generally low to moderate. Annual precipitation ranges from 7 to 15 inches, except along the eastern border and in the southeastern corner, where it ranges from 20 to 25 inches and 20 to 40 inches, respectively. In western Washington, average annual precipitation for most of the central part of the area ranges from 40 to 60 inches. Along the west slope of the Cascades and also along the Pacific Coast, average annual precipitation at many places is as much as 100 inches.

The first of the following tables shows monthly distribution of precipitation at three representative stations. The normal precipitation is shown in comparison with the precipitation for 1954. Records of the Olympia station are representative of western Washington; the records of the Ellensburg and the Spokane stations are representative of eastern Washington. The second table shows precipitation for the year ending December 31, 1954, at 10 representative stations; and also the ratio, in percent, of the 1954 precipitation to the normal annual precipitation for each of those stations. Precipitation data were obtained from the U. S. Weather Bureau.

Monthly precipitation at three selected stations

Month	Olympia		Ellensburg		Spokane	
	Normal (inches)	1954 (inches)	Normal (inches)	1954 (inches)	Normal (inches)	1954 (inches)
January	6.69	11.96	1.20	2.37	1.72	4.90
February	6.16	8.40	.84	.40	1.46	1.19
March	4.50	3.13	.56	.28	1.34	.83
April	2.34	4.07	.42	T	.99	.53
May	1.66	1.63	.49	.47	1.04	.78
June	1.28	3.36	.70	.43	1.17	.75
July	.72	.82	.14	.17	.36	.85
August	.66	1.74	.22	.26	.49	1.25
September	1.80	1.89	.47	.98	.93	1.55
October	4.50	3.38	.67	.23	1.33	.77
November	6.77	7.87	1.35	.71	1.88	1.42
December	8.66	6.99	1.47	.25	2.21	1.44
Annual	45.74	55.24	8.53	6.55	14.92	16.26
Percent of normal		120.77		76.79		108.98

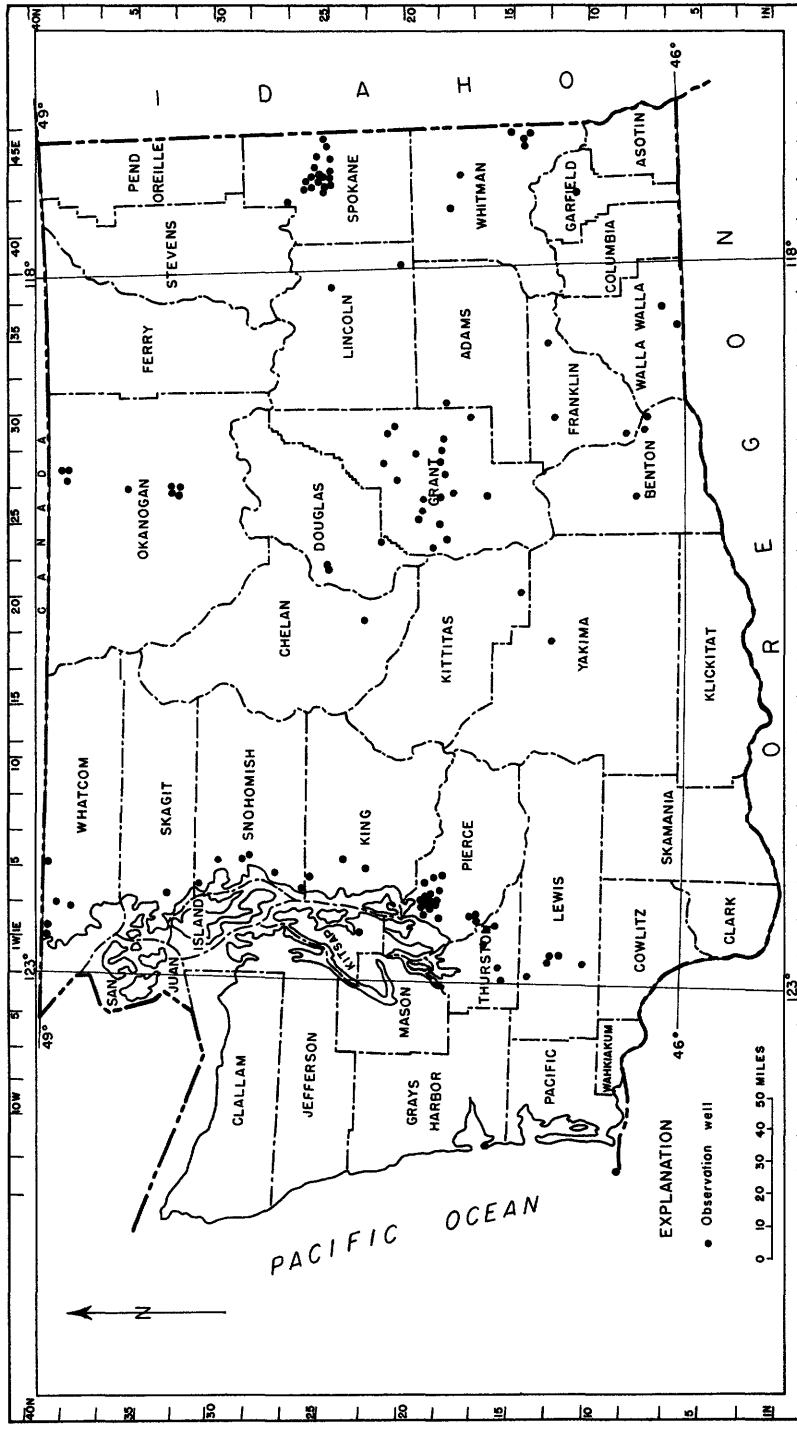


Figure 27.--Location of observation wells in Washington, 1954.

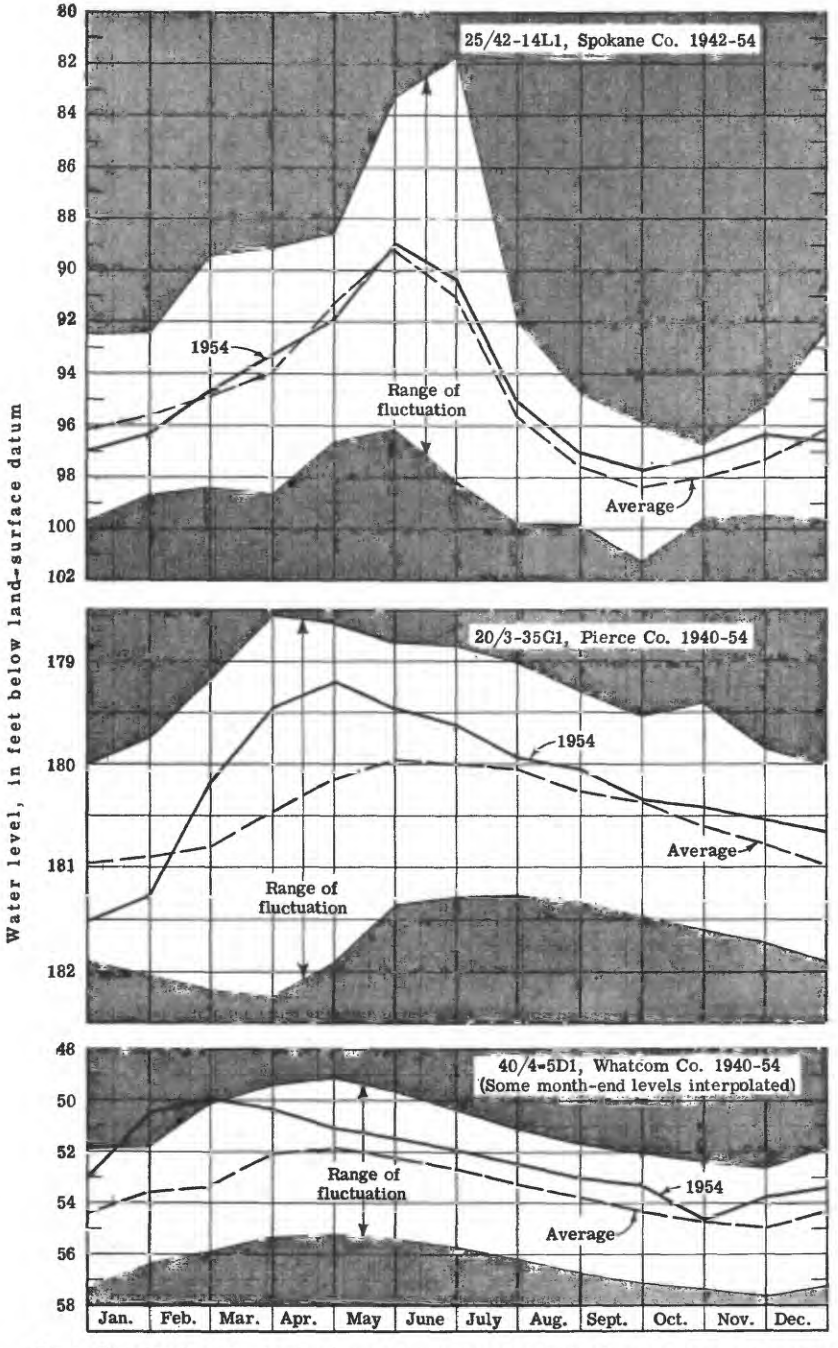


Figure 28. --Month-end water levels compared to range of fluctuations and average for period of record in wells in Spokane, Pierce, and Whatcom Counties, Wash.

Annual precipitation at ten selected stations

Province	Station and County	Annual normal (inches)	1954	
			(inches)	Percent of normal
North Coast Ranges	Port Angeles, Clallam	27.36	35.59	130.08
	Aberdeen, Grays Harbor	82.96	91.24	109.98
Puget-Willamette Trough	Olga, San Juan	28.98	30.73	106.04
	Seattle, King	31.92	38.19	119.64
	Vancouver, Clark	37.32	42.12	112.86
Columbia Plateau	Waterville, Douglas	11.23	9.98	88.87
	Kennewick, Benton	8.26	6.44	77.96
	Walla Walla, Walla Walla	15.07	13.00	86.26
Okanogan Highlands	Lakeside, Chelan	10.85	7.73	71.24
	Republic, Ferry	14.26	16.95	118.86

Interpretation of Water-Level Fluctuations

Many aquifers east of the Cascades are never full but maintain a position of equilibrium between recharge and discharge. The water table generally is at a considerable depth, at places being several hundred feet below the land surface. Precipitation available for recharge is rarely rejected; recharge occurs during winter and spring months when precipitation is greatest, and evaporation and transpiration demands are least. For these reasons during a wet cycle, which may continue for a number of years, the water table will show a general rise on which is superimposed the annual fluctuations. During a period of several dry years, of course, the converse is true, and there will be a general decline extending over the period.

Many of the aquifers west of the Cascades are filled to overflowing every year. The water table, which is near the surface, generally reaches a maximum early in the rainy season; continued rainfall holds it at that level. The annual range of fluctuation in these aquifers is much greater than the range caused by cycles of wet and dry years.

Although the preceding paragraphs describe the general ground-water conditions in eastern and western Washington, respectively, it should be pointed out that there are numerous exceptions to the general conditions. Some aquifers in eastern Washington, especially in the large valleys, are shallow and respond rapidly to precipitation.

Water levels in most wells in the western part of the State were generally near normal or above normal during 1954. Water levels in the northeastern part were normal or slightly below early in 1954, or slightly above during the last half of the year. Water levels in central and southeastern Washington were generally below normal because of below-normal precipitation. The greatest deviation was recorded in well 23/19-4E2 at Cashmere in which water levels were below normal, except in January and February, with record lows in April and December. Figure 28 shows hydrographs of three wells with the 1954 month-end water levels compared to the average and range of fluctuation for the period of record.

In general, water levels in those parts of the Columbia Basin project receiving irrigation water, or immediately adjacent to irrigated areas, continued the pronounced rise which started with the application of irrigation water in 1952. However, the rise has generally slowed with each successive irrigation season, and water levels in a few wells have already stabilized within the range of seasonal fluctuation.

Water levels in selected wells, 1954

County and well no.	Average yearly		Alltime		1954		Lowest 1954	
	Highest	Lowest	Highest	Lowest	Highest	Lowest	Above + below - 1953 lowest	Above + below - average yearly lowest
Adams 19/31-19B1	184.10	184.27	183.97	187.00	184.00	184.11	+.06	+.16
Benton 9/27-19G1	14.36	16.45	11.47	17.83	14.85	17.77	-.93	-1.32

Water levels in selected wells, 1954--Continued.

County and well no.	Average yearly		Alltime		1954		Lowest 1954	
	Highest	Lowest	Highest	Lowest	Highest	Lowest	Above + below - 1953 lowest	Above + below - average yearly lowest
Chelan								
23/19-4E2	15.13	18.76	12.58	19.22	15.91	19.03	-.16	-.27
Franklin								
9/29-25D1	29.83	33.52	27.97	38.17	27.97	30.90	+3.39	+2.62
Grant								
19/26-34D1	92.90	93.68	92.20	94.57	93.36	94.57	-.74	-.89
19/27-16N1	65.89	67.68	64.77	70.65	64.96	67.19	+3.46	+.49
21/28-34A1	58.89	76.64	31.99	96.91	31.99	61.87	+.14	+4.77
Kitsap								
23/1-2C2	48.05	53.52	43.20	60.32	45.24	52.41	+1.24	+1.11
Lincoln								
25/37-14M1	11.69	18.03	2.90	22.91	6.87	16.78	-2.56	+1.25
Okanogan								
34/26-28A1	30.87	32.62	28.86	33.38	30.77	32.40	+.50	+.22
40/27-28G1	14.86	18.20	13.35	18.61	14.79	18.39	+.11	-.19
Pierce								
19/4-7A1	14.25	35.61	11.03	36.90	11.03	35.52	+.68	+.09
20/3-35G1	179.26	181.31	178.57	182.27	179.21	181.46	+.04	-.29
Spokane								
25/42-14L1	88.82	97.91	81.73	101.24	87.86	97.85	+.93	+.06
25/45-16C1	95.97	105.03	84.56	114.53	95.21	103.45	-.01	+3.17
Whatcom								
40/1-4J1	66.59	70.44	64.92	75.23	66.54	72.03	-1.59	-1.93
Whitman								
14/45-11N1	3.79	7.03	2.39	9.48	3.28	6.30	+.73	+.60

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. For example, in the well number 25/43-15P1, the part before the hyphen indicates township and range (T. 25 N., R. 43 E.) north and east of the Willamette baseline and meridian. Because all townships in Washington are north of the Willamette baseline the letter N, indicating north, is omitted. The letter E is omitted for those ranges east of the Willamette meridian, but W is included when the range lies west of the Willamette meridian. The first digit after the hyphen indicates the section (sec. 15); the letter (P) gives the 40-acre subdivision of the section as shown in the diagram. The last digit (1) is the serial number of the well in that particular 40-acre tract. Thus, the first well recorded in the $SE\frac{1}{4}SW\frac{1}{4}$ sec. 15, T. 25 N., R. 43 E., would have the number 25/43-15P1, and the second would have the number 25/43-15P2.

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

Acknowledgments

Measurements for Tacoma city wells are furnished by the Tacoma Water Department.

Well Descriptions and Water-Level Measurements

(Water levels are in feet below land-surface datum unless otherwise indicated.)

Adams County

19/31-19B1. Barbara Dormaier. Drilled unused water-table well in Yakima basalt, diameter 6 inches, depth 218 feet. Land-surface datum is about 1,454 feet above msl. Highest water level 183.97 below lsd, July 18, 1947; lowest 187.00 below lsd, Mar. 22, 1939. Records available: 1939-54. Mar. 24, 184.09; May 25, 184.00; Aug. 5, 184.06; Oct. 1, 184.02; Nov. 23, 184.11.

Benton County

8/29-1D1. Garber Dairy. Kennewick. Dug domestic and stock water-table well in gravel, diameter 4 feet, depth 75 feet, lined with concrete to 75. Land-surface datum is about 402 feet above msl. Highest water level 61.87 below lsd, Aug. 10, 1948; lowest 67.78 below lsd, Mar. 9, 1949, Apr. 6, 1950, Apr. 20, 1952. Records available: 1948-54. Feb. 27, 66.07; Apr. 22, 65.01; June 26, 63.12; Sept. 2, 62.66; Oct. 20, 63.06; Dec. 16, 66.33.

8/30-9E1. E. Dague. Dug and drilled domestic water-table well in sand and gravel, diameter 8 inches, depth 33 feet, cased to 33. Land-surface datum is about 350 feet above msl. Highest water level 18.22 below lsd, Oct. 5, 1950; lowest 25.67 below lsd, Feb. 17, 1953. Records available: 1948-54. Feb. 27, 23.33; Apr. 22, 22.66; June 26, 22.17; Sept. 2, 25.43, pumping; Oct. 20, 22.03; Dec. 16, 23.42.

9/27-19G1. Harold Egbert. Kiona. Dug domestic water-table well in gravel, diameter 4 feet, depth 27 feet, lined with concrete to 27. Land-surface datum is about 502 feet above msl. Highest water level 11.47 below lsd, June 30, 1950; lowest 17.83 below lsd, June 13, 1952. Records available: 1940-54. Feb. 28, 17.77; Apr. 22, 20.31, pumping; June 26, 14.85; Sept. 2, 16.34; Oct. 20, 16.11; Dec. 16, 16.04.

Chelan County

23/19-4E2. City of Cashmere. Sunset Ave. and Paton St. Dug public-supply water-table well in sand and gravel, diameter 6 feet, depth 24 feet, lined with concrete. Land-surface datum is about 784 feet above msl. Highest water level 12.58 below lsd, Apr. 7, 1951; lowest 19.22 below lsd, Nov. 30, 1948. Records available: 1945-54.

Daily water level from nonrecording gage

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.86	16.80	16.15	17.27	16.68	16.40	16.45	16.81	17.49	18.00	18.43	18.60
2	17.85	16.97	16.17	17.31	16.66	16.49	16.39	16.82	17.40	18.02	18.43	18.62
3	17.85	17.10	16.19	17.29	16.64	16.51	16.35	16.84	17.52	18.10	18.47	18.64
4	17.84	17.15	16.24	.....	16.60	16.47	16.32	16.85	17.60	18.10	18.50	18.66
5	17.80	17.22	16.29	16.97	16.51	16.54	16.32	16.80	17.62	18.09	18.50	18.68
6	17.75	17.30	16.31	16.85	16.49	16.60	16.30	16.74	17.64	18.06	18.50	18.70
7	17.73	17.37	16.37	16.74	16.45	a16.63	16.22	16.77	17.65	18.04	18.49	18.71
8	17.74	17.38	16.39	16.70	16.39	16.52	16.25	16.80	17.69	18.02	18.49	18.72
9	17.74	17.44	16.41	16.67	16.35	16.48	16.30	16.81	17.75	18.01	18.50	18.75
10	17.77	17.50	16.39	16.61	16.15	16.52	16.32	16.76	17.79	18.00	18.51	18.76
11	17.75	17.58	16.42	16.56	16.10	16.53	16.33	16.76	17.79	18.00	18.50	18.77
12	17.74	17.64	16.49	16.47	16.07	16.48	16.35	16.80	17.78	17.98	18.48	18.80
13	17.75	17.72	16.55	16.35	16.14	16.45	16.40	16.76	17.78	18.00	18.47	18.83
14	17.75	17.76	16.57	16.34	16.19	16.43	16.45	16.72	17.78	18.05	18.46	18.85
15	17.73	17.78	16.60	16.35	16.14	16.49	16.49	16.74	17.78	18.09	18.46	18.88
16	16.68	17.80	16.63	16.27	16.10	16.43	16.54	16.70	17.75	18.12	18.42	18.90
17	16.65	17.83	16.67	16.27	16.07	16.45	16.57	16.68	17.70	18.15	18.43	18.94
18	16.63	17.80	16.70	16.22	16.07	16.43	16.55	16.65	17.76	18.17	18.45	18.97
19	16.62	17.78	16.75	16.30	16.06	16.50	16.58	16.69	17.82	18.19	18.47	19.00
20	16.54	17.68	16.82	16.34	16.16	16.55	16.54	16.67	17.88	18.21	18.48	19.02
21	16.50	17.50	16.87	16.39	16.26	16.58	16.48	16.70	17.91	18.24	18.50	19.03
22	16.45	17.00	16.93	16.47	16.22	16.54	16.59	16.80	17.92	18.25	18.50	19.02
23	16.30	16.95	16.97	16.47	16.20	16.48	16.64	16.90	17.92	18.29	18.52	19.02
24	16.18	16.75	17.01	.....	16.20	16.44	16.60	17.08	17.93	18.31	18.55	19.01
25	16.14	16.44	17.05	.....	16.27	16.57	16.58	17.10	17.92	18.31	18.56	19.00
26	16.00	16.30	17.07	16.48	16.36	16.54	16.53	17.20	17.92	18.32	18.56	19.00
27	15.91	16.25	17.09	16.55	16.40	16.52	16.60	17.24	17.91	18.35	18.55	18.98
28	15.92	16.17	.....	16.60	16.47	16.50	16.62	17.31	17.96	18.37	18.55	18.98
29	15.94		17.18	16.66	16.45	16.50	16.70	17.36	17.97	18.38	.....	18.96
30	16.35		17.24	16.68	16.41	16.45	16.77	17.41	17.98	18.40	18.58	18.98
31	16.54		17.24		16.40		16.80	17.47		18.42		19.03

a Pumping.

Douglas County

23/23-36H1. Palisades Irrigation District. Dug unused water-table well in gravel, diameter 40 to 72 inches, depth 152 feet, lined with concrete to 152. Land-surface datum is about 1,035 feet above msl. Highest water level 138.54 below lsd, June 21, 1953; lowest 141.84 below lsd, Aug. 30, 1954. Records available: 1943, 1953-54. June 24, 141.13; Aug. 30, 141.84; Oct. 25, 141.71.

25/22-21J1. City of Waterville well 2. Drilled unused water-table well in basalt, diameter 10 inches, depth 591 feet, cased to 536, perforations 30 to 45. Land-surface datum is about 2,620 feet above msl. Highest water level 23.11 below lsd, Apr. 19, 1954; lowest 32.65 below lsd, Aug. 30, 1954. Records available: 1954. Apr. 19, 23.11; June 23, 27.40; Aug. 30, 32.65; Oct. 25, 27.03; Dec. 20, 25.91.

25/22-22C1. City of Waterville. Dug sump and gallery in basalt. Land-surface datum is about 2,605 feet above msl. Highest water level 2.20 below lsd, Feb. 24, 1954; lowest 16.67 below lsd, July 22, 1947. Records available: 1945-54. Feb. 24, 2.20; Apr. 19, 3.61; June 23, 9.58, pumping; Aug. 30, 7.88. Measurement discontinued.

Franklin County

9/29-25D1. E. T. Lindar. Rd. 36 and Court St. Dug unused water-table well in terrace gravel of the Columbia River, diameter 5 feet, depth 45 feet, lined with concrete to 45. Land-surface datum is about 369 feet above msl. Highest water level 27.97 below lsd, Oct. 20, 1954; lowest 38.17 below lsd, Apr. 7, 1942. Records available: 1940-54. Feb. 27, 30.90; Apr. 22, 30.65; Oct. 20, 27.97; Dec. 16, 29.74.

13/30-26G2. M. M. Poe. Dug stock water-table well in glacial outwash gravel, diameter 6 feet, depth 35 feet, cribbed with wood to 35. Land-surface datum is about 674 feet above msl. Highest water level 26.65 below lsd, Feb. 2, 1951; lowest 30.61 below lsd, Oct. 24, 1952. Records available: 1940-54. Jan. 22, 28.49; Mar. 24, 28.26; May 25, 30.21; Aug. 5, 33.03, nearby well being pumped; Oct. 1, 30.37; Nov. 23, 26.72.

13/34-4G1. City of Kahlotus. State Highway 11B and Kahlotus Lind Rd. Dug public-supply water-table well in gravel deposit in Washtucna Coulee, diameter 4 feet, depth 53 feet, lined with concrete to 53. Land-surface datum is about 900 feet above msl. Highest water level 41.09 below lsd, Feb. 25, 1953; lowest 52.48 below lsd, Oct. 27, 1948. Records available: 1938-54. Jan. 22, 43.54; Mar. 22, 43.10; May 17, 45.07; July 29, 47.07; Nov. 9, 47.62, pumping.

Garfield County

12/42-34Q1. W. E. Greatorex. Dug domestic water-table well in alluvial deposit in Pataha Creek valley, diameter 4 feet, depth 25 feet. Land-surface datum is about 2,050 feet above msl. Highest water level 20.59 below lsd, Apr. 3, 1951; lowest 25.02 below lsd, Oct. 23, 1948. Records available: 1946-54. Oct. 21, 22.93; Dec. 17, 22.19.

Grant County

17/26-34D2. James P. Needham. Drilled unused water-table well in basalt, diameter 6 inches, depth 161 feet. Land-surface datum is about 1,085 feet above msl. Highest water level 149.88 below lsd, Nov. 22, 1954; lowest 154.45 below lsd, Oct. 3, 1949. Records available: 1949-54. Jan. 23, 150.20; Mar. 19, 150.03; May 24, 150.08; Aug. 4, 150.00; Sept. 29, 149.96; Nov. 22, 149.88.

18/30-34M1. Andrew and Adeline Cruden. Drilled unused water-table well in basalt, diameter 6 inches, depth 147 feet. Land-surface datum is about 1,175 feet above msl. Highest water level 83.17 below lsd, Dec. 18, 1954; lowest 108.70 below lsd, Oct. 29, 1947. Records available: 1943-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	101.82	Apr. 23	98.89	Aug. 5	91.74	Oct. 22	86.56
Feb. 17	100.98	May 25	97.47	26	90.27	Nov. 23	84.41
Mar. 24	99.89	June 22	95.80	Sept. 30	88.16	Dec. 18	83.17

19/23-34R1. John Kuder. Drilled unused water-table well in basalt, diameter 6 inches, depth 243 feet. Land-surface datum is about 1,302 feet above msl. Highest water level 221.93 below lsd, Dec. 18, 1951; lowest 223.46 below lsd, Aug. 19, 1952. Records available: 1949-54. Jan. 21, 222.45; Feb. 15, 222.20; Mar. 16, 222.40; May 24, 222.46; Aug. 4, 222.50; Sept. 29, 222.57; Nov. 18, 222.45.

19/24-24M1. G. W. Saager. Drilled unused water-table well in basalt, diameter 5 inches, depth 175 feet. Land-surface datum is about 1,216 feet above msl. Highest water level 97.56 below lsd, Dec. 21, 1954; lowest 141.02 below lsd, June 29, 1951. Records available: 1949-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15	108.10	June 24	107.24	Sept. 23	102.09	Nov. 17	98.86
Mar. 16	107.91	Aug. 4	104.87	Oct. 19	99.99	Dec. 21	97.56
Apr. 19	108.15	25	103.34				

19/26-9C1. Big Bend Land Co. Drilled unused water-table well in basalt, diameter 8 inches, depth 429 feet. Land-surface datum is about 1,241 feet above msl. Highest water level 164.51 below lsd, Dec. 20, 1954; lowest 183.41 below lsd, Sept. 18.1950. Records available: 1949-54.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	166.20	165.79	165.35	165.17	165.33	165.68	166.47	167.10	.....	166.23	165.12
2	.....	166.18	165.78	165.31	165.14	165.33	165.70	166.47	167.07	.....	166.19	165.07
3	.....	166.17	165.72	165.27	165.10	165.23	165.78	166.47	167.07	.....	166.17	164.99
4	.....	166.15	165.72	165.26	165.09	165.26	165.78	166.52	167.10	.....	.....	164.95
5	.....	166.13	165.67	165.23	165.10	165.33	165.77	166.59	167.10	.....	166.09	164.90
6	.....	166.11	165.62	165.30	165.11	165.36	165.77	166.62	167.09	.....	166.02	164.83
7	.....	166.07	165.66	165.32	165.10	165.36	165.81	166.67	167.08	.....	165.98	164.89
8	.....	166.01	165.57	165.19	165.08	165.35	165.80	166.69	167.10	.....	165.94	164.86
9	.....	165.91	165.47	165.24	165.08	165.35	165.82	166.69	167.08	.....	165.93	164.77
10	.....	165.92	165.58	165.30	165.15	165.40	165.84	166.70	167.01	.....	165.93	164.82
11	.....	165.89	165.67	165.27	165.13	165.43	165.84	166.76	167.04	.....	165.91	164.82
12	.....	165.72	165.74	165.19	165.14	165.41	165.85	166.78	167.08	.....	165.78	164.68
13	.....	165.75	165.68	165.16	165.14	165.44	165.93	166.80	167.10	.....	165.82	164.68
14	.....	165.86	165.62	165.19	165.14	165.47	165.97	166.81	167.06	.....	165.69	164.60
15	166.50	165.95	165.50	165.24	165.13	165.44	165.99	166.82	.....	.....	165.60	164.69
16	166.48	165.89	165.40	165.21	165.15	165.54	165.99	166.85	.....	.....	165.63	164.75
17	166.38	165.79	165.46	165.17	165.15	165.57	165.99	166.91	.....	.....	165.69	164.71
18	166.38	165.89	165.56	165.15	165.14	165.59	166.04	166.95	.....	.....	165.63	164.62
19	166.42	165.91	165.50	165.13	165.13	165.57	166.05	166.96	.....	166.51	165.55	.....
20	166.42	165.87	165.47	165.17	165.13	165.56	166.08	166.97	.....	166.60	165.54	.....
21	166.36	165.82	165.48	165.14	165.17	165.59	.....	166.97	.....	166.54	165.52	.....
22	166.34	165.94	165.48	165.09	165.19	165.58	166.27	166.97	167.05	166.55	165.43	.....
23	166.33	165.87	165.41	.....	165.16	165.59	166.24	167.00	167.13	.....	165.42	.....
24	166.31	165.77	165.40	.....	165.11	165.61	166.24	167.02	167.12	.....	165.38	.....
25	166.29	165.72	165.48	.....	165.11	165.63	166.29	167.02	167.08	.....	165.27	.....
26	166.26	165.75	165.47	.....	165.16	165.59	166.32	167.02	167.05	.....	165.21	.....
27	166.23	165.83	165.43	.....	165.25	165.61	166.36	167.08	167.01	166.39	165.19	.....
28	166.22	165.73	165.47	165.07	165.24	165.69	166.39	167.11	167.06	166.35	165.21	.....
29	166.22		165.42	165.42	165.15	165.76	166.40	167.11	167.09	166.35	165.14	.....
30	166.21		165.40	165.14	165.22	165.75	166.40	167.08	.....	166.33	165.11	.....
31	166.21		165.37		165.28		166.45	167.11		166.28		.....

19/26-34D1. E. B. Cole. Drilled stock water-table well in sand, diameter 6 inches, depth 96 feet, cased to 96. Land-surface datum is about 1,172 feet above msl. Highest water level 92.20 below lsd, Dec. 20, 1939; lowest 94.57 below lsd, Aug. 25, 1954. Records available: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	93.36	Apr. 19	93.54	Aug. 6	a94.91	Oct. 21	93.65
Feb. 18	93.77	May 24	93.50	25	94.57	Nov. 17	93.80
Mar. 16	93.52	June 24	93.47				

a Pumping.

19/27-16N1. John H. Dills, Jr. Dug irrigation water-table well in glacial outwash gravel, diameter 6 feet, depth 77 feet, lined with concrete to 77. Land-surface datum is about 1,094 feet above msl. Highest water level 64.77 below lsd, Apr. 11, 1952; lowest 70.65 below lsd, June 23, 1953. Records available: 1942-54.

Jan. 21	65.22	Apr. 21	65.11	Aug. 6	a68.24	Nov. 17	65.67
Feb. 18	65.11	May 27	65.65	Sept. 23	65.94	Dec. 20	67.19
Mar. 18	64.96	June 25	a69.27	Oct. 19	65.98		

a Pumping.

19/28-15L1. Mattson & Reisner. Dug irrigation and domestic water-table well in gravel, size 4 by 4 feet, depth 63 feet, cribbed with wood to 63. Land-surface datum is about 1,104 feet above msl. Highest water level 56.68 below lsd, Feb. 11, 1950; lowest 62.00 below lsd, Sept. 8, 1939. Records available: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	59.90	Apr. 23	58.59	Aug. 2	58.08	Oct. 29	57.79
Feb. 16	59.63	May 28	60.30	25	57.73	Nov. 25	57.90
Mar. 23	59.21	June 25	60.49	Oct. 5	57.63	Dec. 21	58.24

19/28-25L1. Bill Hattori. Drilled unused water-table well in basalt, diameter 12 inches, depth 500 feet. Land-surface datum is about 1,192 feet above msl. Highest water level 68.19 below lsd, Oct. 27, 1954; lowest 180.30 below lsd, Sept. 19, 1950. Records available: 1949-54.

Jan. 24	82.48	Apr. 21	80.12	Aug. 2	73.82	Oct. 27	68.19
Feb. 18	82.77	May 25	78.49	26	72.15	Nov. 19	68.68
Mar. 23	81.40	June 22	76.80	Oct. 5	68.96	Dec. 21	68.84

19/29-34D1. Fred Radach. Drilled unused water-table well in basalt, diameter 4 inches, depth 250 feet. Land-surface datum about 1,254 feet above msl. Highest water level 16.03 below lsd, Aug. 27, 1953; lowest 204.40 below lsd, May 7, 1951. Records available: 1949-54.

Jan. 24	24.80	Apr. 21	28.31	Aug. 2	17.20	Oct. 27	19.58
Feb. 18	26.90	May 25	23.34	27	16.37	Nov. 19	21.82
Mar. 23	27.52	June 22	20.96	Oct. 5	18.77	Dec. 21	23.84

20/23-28J1. George Weber. Drilled domestic and stock water-table well in basalt, diameter 6 inches, depth 446 feet. Land-surface datum is about 1,380 feet above msl. Highest water level 229.04 below lsd, Mar. 15, 1950; lowest 270.78 below lsd, Nov. 22, 1954. Records available: 1949-54. Oct. 27, 420.28, pumping; Nov. 22, 270.78.

20/25-7L1. William Ragless. Drilled unused water-table well in basalt, diameter 14 inches, depth 432 feet, cased to 40. Land-surface datum is about 1,246 feet above msl. Highest water level 65.84 below lsd, Nov. 18, Dec. 20, 1954; lowest 192.25 below lsd, July 2, 1950. Records available: 1949-54.

Jan. 20	112.83	Apr. 23	104.62	Aug. 25	80.41	Nov. 18	65.84
Feb. 18	110.67	May 27	101.49	Sept. 23	73.73	Dec. 20	65.84
Mar. 18	108.90	July 22	91.85	Oct. 21	67.61		

20/25-15Q1. W. E. Hardy. Drilled unused water-table well in sand, diameter 5 inches, depth 175 feet. Land-surface datum is about 1,219 feet above msl. Highest water level 96.48 below lsd, Dec. 20, 1954; lowest 151.54 below lsd, Sept. 1, 1951. Records available: 1949-54.

Jan. 15	115.14	Apr. 21	113.79	July 22	109.51	Oct. 21	101.23
Feb. 15	114.65	May 21	113.16	Aug. 24	106.30	Nov. 18	98.88
Mar. 18	114.23	June 18	111.95	Sept. 23	104.03	Dec. 20	96.48

20/26-18R1. D. J. Law. Drilled unused water-table well in basalt, diameter 6 inches, depth 178 feet. Land-surface datum is about 1,246 feet above msl. Highest water level 114.55 below lsd, Oct. 20, 1954; lowest 163.09 below lsd, Oct. 18, 1950, Feb. 19, 1952. Records available: 1939-54.

Mar. 18	120.72	June 18	117.70	Sept. 22	114.59	Nov. 18	114.93
Apr. 20	120.98	July 22	116.64	Oct. 20	114.55	Dec. 20	115.48
May 21	120.09	Aug. 24	115.28				

21/28-34A1. Ted Grant. Formerly Ethel A. Bunnell. Drilled unused water-table well in basalt, diameter 12 inches, depth 118 feet. Land-surface datum is 1,256.69 feet above msl. Highest water level 31.99 below lsd, Aug. 24, 1954; lowest 96.91 below lsd, Sept. 11, 1946. Records available: 1939-54.

Jan. 19	53.27	Apr. 20	61.87	July 20	33.35	Oct. 20	36.19
Feb. 16	57.38	May 20	43.54	Aug. 24	31.99	Nov. 16	40.22
Mar. 17	59.74	June 18	39.66	Sept. 20	33.93	Dec. 19	46.49

22/27-30P1. L. G. and E. B. Fretwell. Drilled irrigation water-table well in basalt, diameter 10 inches, depth 304 feet. Land-surface datum is about 1,154 feet above msl. Highest water level 35.25 below lsd, Oct. 20, 1954; lowest 52.41 below lsd, Oct. 29, 1947. Records available: 1939-54.

Jan. 19	41.13	Apr. 20	a88.95	July 21	a93.12	Oct. 20	35.25
Feb. 16	40.18	May 21	a93.10	Aug. 24	a69.91	Nov. 16	36.44
Mar. 17	40.76	June 24	a95.78	Sept. 22	a73.08	Dec. 19	38.31

a Pumping.

22/28-6R1. Charles A. Kennedy. Dug domestic and irrigation water-table well in glacial outwash gravel, diameter 36 inches, depth 177 feet. Land-surface datum is about 1,282 feet above msl. Highest water level 150.82 below lsd, Aug. 13, 1948; lowest 177.00 below lsd, Mar. 15, 1939. Records available: 1939-53. Measurement discontinued.

22/29-1Q1. Town of Wilson Creek. Dug and drilled public-supply water-table well, diameter 4 feet, depth 260 feet. Land-surface datum is about 1,282 feet above msl. Highest water level 37.86 below lsd, Mar. 7, 1954; lowest 56.91 below lsd, Dec. 31, 1954. Records available: 1952-54.

Daily mean water level from recorder graph, 1952*

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	42.85	43.05	44.45	46.80	48.83	50.71	51.92
2	.....	42.82	43.08	44.53	46.87	48.89	50.77	51.96
3	.....	42.79	43.12	44.59	46.94	48.95	50.82	52.00
4	.....	42.77	43.16	44.67	47.03	49.04	50.87	52.03
5	.....	42.73	43.20	44.74	47.10	49.10	50.93	52.06
6	.....	42.70	43.25	44.81	47.17	49.16	50.98	52.09
7	.....	42.68	43.29	44.88	47.24	49.21	51.03	52.13
8	.....	42.66	43.35	44.96	47.31	49.26	51.08	52.19
9	.....	42.63	43.39	45.05	47.37	49.30	51.11	52.23
10	.....	42.62	43.42	45.12	47.45	49.36	51.14	52.27
11	.....	42.61	43.46	45.20	47.51	49.42	51.16	52.30
12	43.47	42.61	43.48	45.27	47.57	49.49	51.18	.....
13	43.41	42.60	43.51	45.34	47.64	49.54	51.20	52.36
14	43.39	42.61	43.52	45.42	47.69	49.61	51.22	52.40
15	43.32	42.63	43.54	45.49	47.75	49.67	51.28	52.43
16	43.27	42.65	43.56	45.57	47.81	49.73	51.30	52.46
17	43.22	42.66	43.60	45.66	47.87	49.79	51.34	52.50
18	43.17	42.68	43.64	45.72	47.94	49.85	51.38	52.52
19	43.13	42.71	43.68	45.99	48.01	49.91	51.41	52.56
20	43.11	42.74	43.74	45.99	48.08	49.98	51.45	52.58
21	43.10	42.76	43.78	45.97	48.15	50.03	51.50	52.61
22	43.10	42.78	43.82	46.06	48.22	50.10	51.54	52.65
23	43.08	42.81	43.88	46.14	48.30	50.16	51.59	52.67
24	43.06	42.83	43.94	46.21	48.37	50.22	51.63	52.69
25	43.05	42.85	44.01	46.29	48.45	50.30	51.67	52.71
26	43.04	42.87	44.06	46.37	48.51	50.37	51.72	52.73
27	43.01	42.91	44.11	46.44	48.56	50.42	51.77	52.75
28	42.98	42.94	44.18	46.51	48.62	50.48	51.81	52.76
29	42.95	42.97	44.24	46.58	48.69	.....	51.84	52.78
30	42.92	43.02	44.30	46.65	48.77	53.58	51.88	52.80
31	42.88		44.37	46.73		53.64		52.83

*No record for January, February, March, and April.

Daily mean water level from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	53.08	53.46	54.34	54.14	51.83	50.98	52.11	53.66	54.99	55.48	.....
2	52.96	53.06	53.46	54.36	53.92	51.77	51.00	52.15	53.72	55.05	55.53	.....
3	52.98	53.05	53.46	54.37	53.82	51.70	51.02	52.21	53.71	55.08	55.55	.....
4	52.99	53.05	53.47	54.38	53.72	51.63	51.05	52.27	53.82	55.12	55.55	.....
5	53.00	53.05	53.51	54.39	53.69	51.57	51.08	52.32	53.87	55.14	55.56	.....
6	53.00	53.06	53.54	54.41	53.54	51.52	51.11	52.37	53.92	55.17	55.58	.....
7	53.01	53.07	53.56	54.42	53.46	51.46	51.13	52.42	53.98	55.20	55.60	.....
8	53.02	53.10	53.59	54.44	53.37	51.41	51.16	52.49	54.04	55.22	55.61	.....
9	53.05	53.13	53.61	54.46	53.30	51.36	51.21	52.54	54.09	55.27	55.62	.....
10	53.07	53.16	53.63	54.47	53.22	51.31	51.24	52.59	54.14	55.30	55.63	.....
11	53.08	53.20	53.67	54.48	53.14	51.25	51.27	52.64	54.19	55.33	55.64	.....
12	53.08	53.23	53.71	54.49	53.05	51.20	51.29	52.69	54.24	55.32	55.65	.....
13	53.10	53.26	53.75	54.51	52.96	51.16	51.32	52.75	54.28	55.32	55.67	.....
14	53.11	53.28	53.77	54.52	52.87	51.11	51.36	52.80	54.33	55.31	55.67	.....
15	53.11	53.30	53.80	54.54	52.81	51.07	51.40	52.84	54.39	55.31	55.69	.....
16	53.11	53.33	53.83	54.54	53.75	51.03	51.44	52.89	54.45	55.30	55.70	.....
17	53.11	53.35	53.86	54.56	52.69	51.01	51.47	52.95	54.51	55.29	55.73	.....
18	53.11	53.38	53.89	54.57	52.63	50.98	51.51	53.00	54.55	55.28	55.75	.....
19	53.12	53.38	53.91	54.58	52.58	50.97	51.55	53.04	54.59	55.28	.....	.....
20	53.13	53.39	53.95	54.59	52.53	50.97	51.58	53.09	54.63	55.28	.....	.....
21	53.13	53.40	53.99	54.59	52.49	50.96	51.63	53.15	54.67	55.30	.....	.....
22	53.13	53.41	54.04	54.60	52.44	50.96	51.68	53.21	54.71	55.30	.....	.....
23	53.13	53.43	54.07	54.61	52.38	50.96	51.74	53.26	54.75	55.32	.....	.....
24	53.12	.....	54.09	54.61	52.34	50.96	51.78	53.31	54.79	55.34	.....	.....
25	53.11	53.44	54.13	54.57	52.30	50.95	51.82	53.36	54.79	55.37	.....	.....

22/29-1Q1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	53.11	53.45	54.17	54.52	52.25	50.95	51.86	53.38	.....	55.38	.....	.....
27	53.11	53.46	54.19	54.45	52.18	50.95	51.90	53.43	.....	55.40	.....	.....
28	53.10	53.46	54.22	54.37	52.10	50.95	51.94	53.48	.....	55.42	.....	.....
29	53.09		54.26	54.26	52.02	50.94	51.97	53.52	54.96	55.43	.....	.....
30	53.08		54.28	54.15	51.96	50.96	52.01	53.57	.....	55.45	.....	.....
31	53.08		54.31		51.90		52.06	53.61		55.47		.....

Daily mean water level from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	55.52	42.75	42.39	44.19	45.18	47.16	49.63	51.65	53.36	55.15	56.27
2	.....	55.48	41.05	42.49	44.21	45.22	47.20	49.70	51.70	53.42	55.19	56.29
3	.....	55.46	39.75	42.60	44.23	45.23	47.29	49.78	51.75	53.49	55.24	56.31
4	.....	55.44	38.87	42.68	44.26	45.27	47.37	49.85	51.81	53.57	55.28	56.35
5	.....	55.42	38.30	42.78	44.28	45.31	47.46	49.92	51.86	53.63	55.32	56.37
6	.....	55.40	37.98	42.90	44.31	45.34	47.55	50.00	51.91	53.69	55.36	56.40
7	.....	55.39	37.86	43.00	44.32	45.38	47.63	50.08	51.98	53.76	55.40	56.43
8	.....	55.37	37.87	43.08	44.33	45.42	.....	50.15	52.05	53.84	55.44	56.46
9	.....	55.35	37.99	43.20	44.35	45.47	47.81	50.23	52.11	53.90	55.48	56.48
10	.....	55.33	38.22	43.31	44.37	45.52	47.90	50.33	52.17	53.95	55.52	56.52
11	.....	55.30	38.50	43.36	44.39	45.57	47.99	50.40	52.25	54.01	55.56	56.56
12	.....	55.27	38.80	43.39	44.41	45.62	48.08	50.48	52.31	54.08	55.60	56.57
13	.....	55.25	39.09	43.43	44.42	45.68	48.18	50.54	52.39	54.16	55.63	56.59
14	.....	55.26	39.41	43.50	44.43	45.76	48.27	50.62	54.45	54.22	55.67	56.61
15	.....	55.27	39.60	43.55	44.46	45.81	48.35	50.68	52.50	54.27	55.69	56.64
16	.....	55.27	39.86	43.59	44.47	.....	48.43	50.75	52.56	54.32	.....	56.68
17	.....	55.27	40.09	43.64	44.50	.....	48.51	50.82	52.61	54.37	55.77	56.71
18	.....	55.28	40.35	43.71	44.52	45.81	48.59	50.87	52.67	54.42	55.80	56.72
19	.....	55.30	40.56	43.78	44.57	46.11	48.65	50.92	52.72	54.47	55.84	56.74
20	55.62	55.32	40.75	43.85	.....	46.18	.....	50.98	.....	54.54	55.88	56.75
21	55.60	55.34	.....	43.90	44.71	46.26	48.82	51.05	52.82	54.59	55.92	56.76
22	55.60	55.39	.....	.....	44.87	46.34	48.89	51.10	52.85	54.64	55.94	56.78
23	55.61	55.41	41.24	.....	44.91	46.41	48.98	51.15	52.91	54.71	55.98	56.79
24	55.61	55.18	41.00	43.98	44.94	46.50	49.07	51.21	52.97	54.75	56.03	56.81
25	55.60	53.84	41.66	44.01	44.98	46.57	49.13	51.27	53.03	54.80	56.07	56.84
26	55.60	50.94	41.65	44.05	45.02	46.66	49.21	51.32	53.08	54.87	56.10	56.86
27	55.59	48.09	41.85	44.78	45.06	46.76	49.28	51.38	53.13	54.91	56.15	56.88
28	55.58	45.10	41.95	44.12	45.08	46.85	49.37	51.44	53.18	54.96	56.13	56.88
29	55.57		42.06	44.14	45.10	46.93	49.43	51.50	53.24	55.00	56.20	56.89
30	55.55		42.16	44.17	45.12	47.06	49.49	51.55	53.29	55.04	56.24	56.90
31	55.53		42.27		45.16		49.57	51.60		55.09		56.91

22/30-18M1. Chris Larsen. Dug unused water-table well in sand and gravel, diameter 24 inches, depth 20 feet, lined with concrete to 20. Land-surface datum is about 1,346 feet above msl. Highest water level 15.68 below lsd, Apr. 5, 1951; lowest 18.00 below lsd, Mar. 18, 1939. Records available: 1939-54. Jan. 19, 17.24; Mar. 17, 17.18; May 20, 17.20; July 20, 17.25; Sept. 20, 17.21; Nov. 16, 17.27.

Grays Harbor County

16/11W-18N4. City of Westport. Drilled observation water-table well in coarse sand and pea gravel, diameter 4 inches, depth 48 feet, cased to 48. Land-surface datum is 13.00 feet above msl. Highest water level 3.61 below lsd, Feb. 15, 1952; lowest 9.91 below lsd, Oct. 18, 1954. Records available: 1949-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	4.31	Apr. 23	5.71	Aug. 9	9.01	Oct. 18	9.91
Feb. 17	4.21	June 1	6.81	Sept. 20	9.71	Nov. 8	9.41
Mar. 18	4.91	July 1	7.61				

King County

21/5-6P1. U. S. Geol. Survey. Driven observation well in sand, diameter 1½ inches, depth 16 feet, cased to 14, screen 14-16. Land-surface datum is about 50 feet above msl. Highest water level 2.66 below lsd, Jan. 29, 1954; lowest 8.83 below lsd, Nov. 7, 1952. Records available: 1952-54.

21/5-6P1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	2.66	Apr. 19	4.07	July 21	6.43	Oct. 21	7.50
Feb. 23	2.90	May 20	5.26	Aug. 23	7.41	Nov. 22	5.78
Mar. 29	4.62	June 22	5.46	Sept. 20	7.32	Dec. 21	5.33

24/5-4D1. City of Bellevue. Drilled unused artesian well in sand and gravel, diameter 12 to 8 inches, depth 610 feet, cased to 600, perforations 205-230, 545-600. Land-surface datum is about 58 feet above msl. Highest water level 5.24 below lsd, Mar. 19, 1946; lowest 19.60 below lsd, Aug. 27, 1951. Records available: 1944, 1946, 1951-54.

Jan. 29	8.69	Apr. 19	8.15	July 21	8.09	Oct. 21	8.27
Feb. 23	8.48	May 20	8.07	Aug. 23	8.14	Nov. 22	8.29
Mar. 29	8.23	June 22	7.93	Sept. 20	8.22	Dec. 21	8.19

26/4-10D1. U. S. Geol. Survey. Driven observation water-table well in sand, diameter 1½ inches, depth 13 feet, cased to 11, screen 11-13. Land-surface datum is about 100 feet above msl. Highest water level 1.80 below lsd, Feb. 23, 1954; lowest 11.39 below lsd, Nov. 7, 1952. Records available: 1952-54.

Jan. 29	3.02	Apr. 19	8.57	July 21	8.78	Oct. 21	10.49
Feb. 23	1.80	May 20	5.17	Aug. 23	9.51	Nov. 29	10.25
Mar. 29	2.11	June 22	7.18	Sept. 20	9.95	Dec. 21	9.86

Kitsap County

23/1-2C2. W. A. Hiersch. Dug domestic water-table well in fluvioglacial sand, diameter 36 inches, depth 61 feet, cased to 60. Land-surface datum is about 280 feet above msl. Highest water level 43.20 below lsd, June 10, 1951; lowest 60.32 below lsd, Mar. 26, 1945. Records available: 1932-54.

Feb. 6	52.41	Apr. 25	45.93	June 30	45.77	Sept. 28	48.46
Mar. 18	47.49	May 3	45.24	July 27	46.69	Nov. 1	49.15
27	49.33	June 1	45.34	Sept. 8	47.74	Dec. 1	50.26

Kittitas County

20/15-25Q1. Mr. Ackerlund. Dug domestic water-table well in alluvium of flood plain along Yakima River, diameter 5 feet, depth 10 feet, cribbed with wood to 10. Land-surface datum is about 1,905 feet above msl. Highest water level 3.18 below lsd, Mar. 12, 1949; lowest 9.20 below lsd, Dec. 15, 1954. Records available: 1946-54. Feb. 28, 4.70; Apr. 19, 7.67; June 23, 6.42; Sept. 3, 8.08; Oct. 26, 9.05; Dec. 15, 9.20.

Lewis County

11/1W-5H1. Mrs. Joseph Sommer. Dug domestic and stock water-table well in sand, diameter 4 feet, depth 46 feet. Land-surface datum is about 345 feet above msl. Highest water level 32.59 below lsd, Dec. 6, 1950; lowest 44.50 below lsd, Oct. 22, 1943. Records available: 1942-54.

Mar. 19	38.50	June 30	37.81	Sept. 29	39.80	Nov. 29	39.73
Apr. 28	37.89	July 30	38.49	Oct. 29	40.01	Dec. 29	35.71
June 3	37.49	Sept. 8	39.40				

13/1W-9E1. S. A. Connolly. Dug domestic water-table well in sand and gravel, diameter 27 inches, depth 29 feet, lined with concrete to 29. Land-surface datum is about 575 feet above msl. Highest water level 12.00 below lsd, Feb. 17, 1954; lowest 24.89 below lsd, Dec. 5, 1952. Records available: 1952-54.

Jan. 14	12.65	Apr. 20	12.90	July 27	16.64	Nov. 11	19.59
Feb. 17	12.00	May 19	14.45	Sept. 9	18.47	Dec. 15	15.24
Mar. 24	12.57	June 30	15.34	Oct. 6	19.43		

13/1W-28P1. R. L. Wade. Drilled domestic and irrigation artesian well in sand, diameter 6 inches, depth 135 feet, cased to 135. Land-surface datum is about 375 feet above msl. Highest water level 37.85 above lsd, Nov. 10, 1954; lowest 32.25 above lsd, Aug. 27, 1953. Records available: 1953-1954.

Jan. 15	+36.50	Apr. 21	+36.50	June 30	+37.00	Oct. 12	+37.60
Feb. 17	+37.00	May 21	+36.25	July 27	+36.85	Nov. 10	+37.85
Mar. 24	+37.00	26	+36.50	Sept. 10	+37.10	Dec. 14	+37.80

13/2W-36P1. John A. Peterson. Drilled irrigation water-table well in sand and gravel, diameter 6 inches, depth 136 feet, perforations 60-80, 95-107, 115-123. Land-surface datum is about 470 feet above msl. Highest water level 22.93 below lsd, Feb. 18, Apr. 22, 1954; lowest 30.42 below lsd, Aug. 26, 1953. Records available: 1953-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	23.03	Apr. 22	22.93	July 27	26.85	Nov. 11	27.79
Feb. 18	22.93	May 19	25.15	Sept. 9	27.68	Dec. 14	24.55
Mar. 24	23.00	June 30	25.96	Oct. 6	28.00		

14/2W-17K2. Oscar Keto. Drilled unused water-table well in sand, diameter 6 inches, depth 80 feet. Land-surface datum is about 175 feet above msl. Highest water level 6.34 below lsd, Feb. 19, 1954; lowest 13.30 below lsd, Aug. 26, 1953. Records available: 1953-54.

Daily mean water level from recorder graph

Jan. 13	6.83	Oct. 25	12.35	Dec. 4	9.67	Dec. 18	8.90
Feb. 19	6.34	26	12.36	5	9.69	19	8.96
Mar. 23	8.10	27	12.37	6	9.66	20	9.02
Apr. 23	8.56	28	12.39	7	9.61	21	9.08
May 19	10.26	29	12.41	8	9.52	22	9.13
June 26	10.75	30	12.43	9	9.44	23	9.13
July 28	11.78	31	12.45	10	9.40	24	9.07
Aug. 26	12.78	Nov. 1	12.46	11	9.38	25	8.93
Sept. 8	12.72	2	12.49	12	9.35	26	8.85
Oct. 12	12.84	3	12.52	13	9.29	27	8.85
21	12.55	11	11.60	14	9.17	28	8.78
22	12.47	Dec. 1	9.49	15	9.01	29	8.63
23	12.42	2	9.57	16	8.90	30	8.41
24	12.37	3	9.61	17	8.88	31	8.18

Lincoln County

21/38-24G2. Clifford Daweritz. Sprague. Driven unused water-table well in gravel, diameter 1½ inches, depth 22 feet, cased to 22. Land-surface datum is about 1,890 feet above msl. Highest water level 5.59 below lsd, Apr. 7, 1950; lowest 19.07 below lsd, Nov. 2, 1947. Records available: 1946-53. No measurement made in 1954.

25/37-14M1. Charles Straub, Sr. Dug unused water-table well in basalt, diameter 4 feet, depth 27 feet, cribbed with brick to 27. Land-surface datum is about 2,400 feet above msl. Highest water level 2.90 below lsd, Apr. 16, 1952; lowest 22.91 below lsd, Nov. 1, 1947. Records available: 1941-54. Feb. 24, 6.87; May 20, 12.97; June 24, 14.22; Aug. 31, 15.19; Oct. 24, 15.92; Dec. 20, 16.78.

Okanogan County

34/26-26Q1. City of Omak well 1. First Ave. North and East First St. Dug public-supply water-table well in stream gravel of Okanogan River, diameter 12 feet, depth 30 feet, lined with concrete. Land-surface datum is about 850 feet above msl. Highest water level 5.10 below lsd, May 16, 1949; lowest 20.59 below lsd, Oct. 28, 1948. Records available: 1939-54.

Jan. 3	13.71	Apr. 11	13.76	July 12	9.89	Oct. 3	13.19
10	13.77	18	13.75	18	11.39	10	13.25
17	13.75	25	13.61	25	11.88	17	13.25
31	13.77	May 2	13.65	Aug. 3	13.03	24	13.45
Feb. 7	13.43	9	11.85	8	13.06	Nov. 7	13.31
14	13.41	16	10.15	15	13.15	14	13.28
21	13.53	24	7.95	22	12.35	21	12.57
28	13.58	31	8.65	29	12.65	28	9.38
Mar. 7	13.65	June 6	8.57	Sept. 5	13.05	Dec. 5	7.92
14	13.70	13	8.50	12	13.25	12	10.06
21	13.75	20	6.37	19	13.10	19	10.22
28	13.85	27	8.75	26	13.12	26	10.30
Apr. 4	13.77	July 5	8.65				

34/26-28A1. Charles Byrd. Dug irrigation water-table well in terrace gravel deposit, diameter 36 inches, depth 43 feet, lined with concrete to 43. Land-surface datum is about 1,300 feet above msl. Highest water level 28.86 below lsd, June 26, 1950; lowest 33.38 below lsd, May 9, 1940. Records available: 1939-54. Feb. 24, 31.77; Apr. 19, 32.15; June 23, 32.40; Oct. 25, 30.77; Dec. 20, 31.48.

34/26-28P1. Samuel Peterson. Dug irrigation water-table well in terrace gravel deposit, size 4 by 4 feet, depth 21 feet, cribbed with wood to 21. Land-surface datum is about 1,270 feet above msl. Highest water level 9.51 below lsd, Aug. 20, 1951; lowest 17.15 below lsd, Dec. 30, 1940. Records available: 1939-53. Measurement discontinued.

34/26-35R1. City of Omak well 4. South end East Fourth St. Dug public-supply water-table well in coarse alluvial deposit of Okanogan River, diameter 14 feet, depth 37 feet, lined with concrete. Land-surface datum is about 850 feet above msl. Highest water level 17.95 below lsd, June 16, 1948; lowest 28.28 below lsd, Sept. 27, 1947. Records available: 1944-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	27.56	May 16	27.25	Aug. 3	26.36	Oct. 17	26.56
Mar. 7	27.59	24	25.55	8	26.48	24	26.60
14	27.30	31	25.35	15	26.50	Nov. 7	26.57
21	27.15	June 6	25.07	22	26.55	14	26.57
28	27.25	13	24.93	29	26.58	21	26.55
Apr. 4	27.26	20	24.75	Sept. 5	26.54	28	26.53
11	27.25	27	24.66	12	26.51	Dec. 5	26.58
18	27.35	July 5	24.85	19	26.54	12	26.54
25	27.33	11	25.37	26	26.54	19	26.51
May 2	27.27	18	25.75	Oct. 3	26.55	26	26.53
9	27.29	25	26.15	10	26.57		

36/26-13K1. Victor Lesamiz. Dug unused water-table well in fluvioglacial deposit, diameter 6 inches, depth 49 feet, cased to 49. Land-surface datum is about 1,050 feet above msl. Highest water level 0.15 above lsd, Mar. 11, 1949; lowest 35.30 below lsd, Aug. 14, 1942. Records available: 1942-54. Feb. 24, 6.32; Apr. 19, 19.81; June 23, 19.62; Aug. 30, 19.47; Oct. 25, 19.39; Dec. 20, 19.80.

40/27-21K1. City of Oroville. Dug stock water-table well in sand and gravel, diameter 4 feet, depth 21 feet, lined with concrete to 21. Land-surface datum is about 930 feet above msl. Highest water level 15.40 below lsd, June 18, 1951; lowest 20.28 below lsd, Apr. 19, 1953, May 2, 1954. Records available: 1947-54.

Jan. 3	19.00	Apr. 18	20.18	July 11	17.23	Oct. 10	17.11
10	19.06	25	20.00	18	17.07	17	17.43
17	19.08	May 2	20.28	25	16.89	24	17.70
31	19.40	9	19.65	Aug. 1	16.82	31	17.99
Feb. 7	19.43	16	19.65	8	16.79	Nov. 7	18.17
14	19.48	23	19.33	22	16.45	14	18.36
21	19.44	30	18.85	29	16.34	21	18.50
28	19.54	June 6	18.37	Sept. 5	16.33	28	18.66
Mar. 7	19.65	13	18.17	12	16.32	Dec. 5	18.70
21	19.82	20	17.90	19	16.27	12	18.85
28	19.92	27	17.76	26	16.46	19	19.03
Apr. 4	20.02	July 4	17.52	Oct. 3	16.87	26	19.15
11	20.09						

40/27-27N1. Williams-Zosel Lumber Co. Dug industrial water-table well in alluvial deposit of Okanogan River, diameter 36 inches, depth 12 feet, lined with concrete to 12. Land-surface datum is about 920 feet above msl. Highest water level 3.65 below lsd, June 19, 1950; lowest 9.58 below lsd, Mar. 2, 1948. Records available: 1946-54.

Jan. 3	8.30	Apr. 18	7.90	July 18	6.51	Oct. 17	7.41
10	7.64	25	7.94	25	6.79	24	7.60
17	8.26	May 2	8.02	Aug. 1	6.87	25	7.57
31	8.02	9	8.05	8	6.98	31	7.44
Feb. 7	7.80	16	7.70	22	7.10	Nov. 7	7.40
14	7.72	23	7.62	29	7.00	14	7.30
21	7.80	30	6.42	Sept. 5	7.11	21	7.35
28	8.10	June 6	6.47	12	7.26	28	7.30
Mar. 7	8.19	13	6.31	17	7.20	Dec. 5	7.35
21	8.21	20	6.40	26	7.11	12	7.30
28	8.05	27	6.29	Oct. 3	7.27	19	7.28
Apr. 4	7.79	July 4	6.02	10	7.16	26	7.33
11	7.78	11	6.18				

40/27-28G1. City of Oroville well 1. Dug public-supply water-table well in alluvial deposit of Okanogan River, diameter 4 feet, depth 26 feet, lined with concrete to 26. Land-surface datum is about 930 feet above msl. Highest water level 13.35 below lsd, June 19, 1950; lowest 18.61 below lsd, Mar. 15, 1948. Records available: 1939-54.

40/27-28G1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	17.95	Apr. 11	18.31	July 11	14.86	Oct. 3	16.91
10	17.92	18	18.37	18	15.29	10	17.04
17	17.99	25	18.39	25	15.60	24	17.24
24	17.91	May 2	18.39	Aug. 1	16.02	31	17.35
31	17.88	9	18.26	8	16.39	Nov. 7	17.42
Feb. 7	17.88	16	17.33	15	16.68	14	17.39
14	17.92	23	16.80	22	16.66	21	17.39
21	17.89	30	15.41	29	16.63	28	17.13
28	17.98	June 6	15.25	Sept. 5	16.61	Dec. 5	17.26
Mar. 7	18.09	13	15.22	12	16.68	12	17.30
21	18.21	20	15.20	19	16.75	19	17.41
28	18.28	27	15.13	26	16.73	26	17.49
Apr. 7	18.29	July 4	14.79				

Pierce County

17/2-16Q4. James Gonia. Near McKenna. Drilled domestic artesian well in sand, diameter 6 inches, depth 115 feet. Land-surface datum is about 315 feet above msl. Highest water level 4.08 below lsd, Mar. 29, 1951; lowest 11.34 below lsd, Feb. 28, 1952. Records available: 1943-54.

Mar. 19	4.11	June 28	5.70	Sept. 29	6.75	Nov. 29	7.47
Apr. 28	4.70	July 30	6.81	Oct. 29	7.19	Dec. 29	6.84
June 3	6.66	Sept. 8	6.65				

17/2-16Q5. Roy Gonia. Drilled domestic and stock water-table well, diameter 6 inches, depth 96 feet. Land-surface datum is about 320 feet above msl. Highest water level 22.04 below lsd, Mar. 29, 1951; lowest 30.24 below lsd, Nov. 24, 1953. Records available: 1950-54.

Mar. 19	25.61	June 3	26.27	Sept. 8	27.96	Oct. 29	29.58
Apr. 28	a34.90	28	27.11	29	24.10	Nov. 29	29.23

a Pumping.

18/2-34N1. Frank Betchard. Roy. Dug domestic water-table well in sand and gravel, diameter 36 inches, depth 15 feet, lined with concrete to 15. Land-surface datum is about 310 feet above msl. Highest water level 3.38 below lsd, Dec. 6, 1950; lowest 12.47 below lsd, Nov. 6, 1952. Records available: 1945-54.

Mar. 19	4.39	June 28	6.92	Sept. 29	9.17	Nov. 29	8.04
Apr. 28	5.37	July 30	7.62	Oct. 29	9.86	Dec. 29	6.59
June 3	6.51	Sept. 8	8.59				

19/2-10F1. Lakewood Water District. Gravelly Lake Rd. and Lake City Rd. Drilled unused water-table well in gravel, diameter 12 inches, depth 174 feet. Land-surface datum is 262.64 feet above msl. Records available: 1940-52. Measurement discontinued.

19/3-3Q1. D. Stuart. Lakeview-Puyallup Highway and Portland Ave. Dug unused water-table well in gravel, diameter 4 feet, depth 158 feet, lined with concrete to 158. Land-surface datum is about 408 feet above msl. Highest water level 146.18 below lsd, June 13, 1951; lowest 156.80 below lsd, Dec. 29, 1944. Records available: 1940-54.

Mar. 18	155.34	June 27	151.95	Sept. 7	150.39	Nov. 1	151.06
Apr. 28	150.46	July 30	150.22	28	150.90	Dec. 1	151.64
June 1	150.43						

19/4-7A1. Ada Lilja. Lakeview Puyallup Highway and Woodland Rd. Dug unused water-table well in cemented gravel, diameter 4 feet, depth 37 feet. Land-surface datum is about 423 feet above msl. Highest water level 11.03 below lsd, Jan. 25, 1954; lowest 36.90 below lsd, Nov. 4, 1943. Records available: 1940-54.

Jan. 4	17.69	Apr. 5	20.28	July 5	30.96	Oct. 4	34.90
12	12.56	12	19.88	13	31.86	13	35.09
18	13.43	19	20.30	19	32.16	19	35.20
25	11.03	27	21.14	26	32.84	25	35.35
Feb. 1	13.08	May 3	22.33	Aug. 2	33.15	Nov. 1	35.43
8	15.14	10	19.65	9	33.67	9	35.52
16	15.17	17	24.47	16	33.75	16	35.52
22	15.30	24	25.64	24	34.01	22	34.29
Mar. 3	15.77	31	26.52	30	34.17	29	32.60
8	16.30	June 7	27.36	Sept. 7	34.36	Dec. 6	29.66
15	16.15	17	28.76	13	34.47	13	29.09
22	18.26	22	29.38	20	34.64	20	27.52
29	19.34	29	30.18	27	34.74	28	25.94

20/2-13H1. City of Tacoma well 4-A. South 38th St. and South Tacoma Way. Drilled public-supply water-table well in sand and gravel, diameter 38 to 26 inches, depth 204 feet. Land-surface datum is 244.80 feet above msl. Highest water level 10.58 below lsd, Feb. 8, 1938; lowest 19.99 below lsd, Jan. 4, 1954. Records available: 1930, 1932, 1934-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	19.99	May 7	16.58	Aug. 6	18.27	Nov. 18	17.57
Feb. 4	17.66	July 1	19.33	Sept. 3	17.79	Dec. 18	17.37
Apr. 4	16.31	26	18.25	Oct. 11	17.59		

20/2-13J1. City of Tacoma well 6-A. South 45th St. (extended) and South Tacoma Way. Drilled public-supply water-table well in gravel, diameter 38 to 26 inches, depth 179 feet. Land-surface datum is 266.39 feet above msl. Highest water level 31.28 below lsd, Apr. 10, 1950; lowest 41.69 below lsd, Jan. 4, 1954. Records available: 1939-54.

Jan. 4	41.69	May 7	36.97	Aug. 6	38.97	Oct. 8	38.29
Feb. 4	38.07	June 29	40.28	17	39.01	Nov. 18	38.04
Mar. 9	37.69	July 26	38.87	Sept. 3	38.47	Dec. 19	38.21
Apr. 4	36.93						

20/3-18C1. City of Tacoma T-10. Drilled observation water-table well in sand and gravel, diameter 12 inches, depth 185 feet, cased to 185, perforations 152-175. Land-surface datum is 321.64 feet above msl. Highest water level 89.16 below lsd, June 9, 1952; lowest 95.54 below lsd, Feb. 18, 1953. Records available: 1952-54.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	95.38	94.37	94.08	93.29	93.17	95.25	.....	94.26	.....	93.73	.....	.....
2	95.18	94.28	93.91	93.14	93.07	94.96	.....	94.37	94.22	93.77	.....	.....
3	95.41	94.25	93.90	.....	93.05	94.88	.....	.....	94.20	93.87	.....	.....
4	95.47	94.16	93.93	.....	93.08	94.98	.....	.....	94.18	93.80	93.82	.....
5	95.31	94.22	93.84	.....	93.14	94.99	.....	.....	94.19	93.73	93.72	.....
6	95.13	94.17	93.86	.....	92.98	94.95	.....	94.30	94.13	.....	93.77	.....
7	95.22	94.23	93.77	.....	92.89	.....	.....	94.25	94.17	.....	93.68	.....
8	95.36	94.20	93.54	93.15	.....	c96.60	94.64	94.28	94.09	94.00	93.73	.....
9	95.27	94.40	93.53	93.37	.....	d96.20	94.55	94.28	94.02	93.87	93.83	.....
10	95.18	94.05	93.75	93.33	.....	d95.63	94.59	94.24	94.01	93.76	93.87	.....
11	95.12	93.80	93.88	93.12	.....	d95.37	94.69	94.27	94.15	d93.86	93.72	.....
12	95.03	93.67	93.91	93.05	.....	95.25	94.65	94.22	94.10	93.93	93.93	.....
13	94.79	93.89	93.79	93.14	.....	95.25	94.53	94.22	.....	94.03	93.68	.....
14	94.66	94.10	93.60	c94.78	.....	95.08	94.55	94.30	93.95	93.94	93.62	.....
15	94.99	94.02	93.32	d93.88	.....	95.03	94.55	94.32	93.97	93.76	.....	.....
16	.....	93.91	93.48	d93.58	.....	.....	94.45	94.32	93.94	93.79	93.93	.....
17	.....	93.82	93.54	93.43	.....	.....	94.45	94.24	93.99	93.94	93.88	.....
18	.....	d94.15	93.51	93.35	.....	d95.57	94.44	94.14	93.98	.....	c94.32	.....
19	.....	93.93	93.41	93.36	.....	d95.30	94.45	94.18	93.99	93.92	c95.58	.....
20	94.83	c94.61	93.47	d93.37	.....	95.27	94.45	94.22	93.97	93.88	d95.49	.....
21	94.67	c94.73	93.52	d93.29	.....	95.18	94.52	94.27	93.89	93.89	d94.59	93.83
22	94.70	d95.88	93.45	93.15	.....	95.13	94.43	94.20	94.00	94.02	d94.49	93.75
23	94.56	d94.61	93.28	93.16	.....	95.10	94.35	94.19	94.04	94.05	94.31	93.58
24	94.68	d94.52	93.42	93.10	.....	94.97	94.37	.....	.....	93.92	94.18	93.79
25	94.55	94.21	93.51	93.13	.....	94.84	94.39	.....	93.81	93.91	94.22	93.82
26	94.67	94.27	93.47	93.09	.....	94.93	94.42	.....	93.83	93.87	94.11	93.98
27	94.54	94.23	93.42	93.09	.....	95.03	94.40	.....	93.78	93.83	.....	.....
28	94.70	94.12	93.41	.....	95.28	94.99	94.32	.....	93.83	93.90	.....	93.82
29	94.59		93.32	.....	95.22	.....	94.33	.....	93.78	93.81	.....	93.79
30	94.59		93.34	93.19	95.27	.....	94.36	.....	93.77	.....	.....	.....
31	94.56		93.33		95.22		94.31	.....		.....		.....

c Nearby well being pumped.
d Nearby well pumped recently.

20/3-18D1. City of Tacoma well 2-A. South 35th and Lawrence Sts. Drilled public-supply well in sand and gravel, diameter 38 to 26 inches, depth 161 feet. Land-surface datum is 244.01 feet above msl. Highest water level 19.62 below lsd, Feb. 8, 1938; lowest 41.15 below lsd, Feb. 5, 1954. Records available: 1930, 1934, 1937-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	23.35	Apr. 3	19.69	July 26	32.18	Oct. 11	30.92
Feb. 5	41.15	May 7	28.37	Aug. 6	33.43	Nov. 18	32.25
Mar. 9	23.92	July 1	31.70	Sept. 3	33.37	Dec. 20	19.83

20/3-19P1. City of Tacoma well 1-A. South 64th St. and Clement Ave. Drilled public-supply water-table well in sand and gravel, diameter 38 to 26 inches, depth 305 feet. Land-surface datum is 260.99 feet above msl. Highest water level 25.00 below lsd, Aug. 7, 1937; lowest 34.81 below lsd, July 30, 1941. Records available: 1930, 1932, 1934-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	32.68	May 7	32.04	July 26	33.14	Oct. 8	33.48
Feb. 4	31.98	June 14	33.25	Aug. 6	33.31	Nov. 18	33.24
Mar. 9	31.30	29	33.18	Sept. 3	32.45	Dec. 19	32.38
Apr. 3	31.50						

20/3-19P4. City of Tacoma well 11. South 62d St. and Clement Ave. Drilled observation water-table well in sand and gravel, diameter 14 to 12 inches, depth 240 feet. Land-surface datum is 263.98 feet above msl. Highest water level 30.65 below lsd, Feb. 8, 1938; lowest 36.76 below lsd, Sept. 3, 1953. Records available: 1908-9, 1925-31, 1937-40, 1945-54.

Jan. 4	35.49	Apr. 3	34.25	July 26	35.92	Nov. 18	35.99
Feb. 4	34.75	May 7	34.80	Aug. 6	36.05	Dec. 19	35.18
Mar. 9	34.07	June 29	35.95	Oct. 8	36.25		

20/3-30C2. City of Tacoma well 5. South 64th St. and Clement Ave. Drilled observation water-table well in sand and gravel, diameter 12 to 10 inches, depth 244 feet. Land-surface datum is 267.38 feet above msl. Highest water level 33.72 below lsd, Mar. 31, 1938; lowest 41.22 below lsd, Oct. 31, 1949. Records available: 1908-9, 1925-31, 1937-54.

Jan. 4	38.76	Mar. 25	37.64	May 27	39.74	Aug. 6	39.37
Feb. 1	37.74	Apr. 1	37.64	June 29	39.27	Oct. 8	39.72
4	37.52	3	37.62	30	39.12	Nov. 3	39.27
Mar. 2	37.45	29	37.86	July 26	39.25	18	39.32
9	37.37	May 7	38.13	27	39.28	Dec. 19	38.50

20/3-30C4. City of Tacoma well 8-A. South 66th St. and Clement Ave. Drilled public-supply water-table well in gravel, diameter 38 to 26 inches, depth 307 feet. Land-surface datum is 267.80 feet above msl. Highest water level 33.50 below lsd, Mar. 31, 1947; lowest 40.94 below lsd, June 27, 1952. Records available: 1932-54.

Jan. 4	38.46	May 7	37.91	Aug. 6	39.14	Oct. 18	39.06
Feb. 4	37.63	June 14	38.34	Sept. 3	39.10	Nov. 18	39.06
Mar. 9	37.07	29	38.98	Oct. 8	39.13	Dec. 17	38.52
Apr. 3	37.40	July 26	38.99				

20/3-30L5. City of Tacoma well 7-A. South 74th St. and Clement Ave. Drilled public-supply water-table well in gravel, diameter 38 to 26 inches, depth 307 feet. Land-surface datum is 255.68 feet above msl. Highest water level 18.85 below lsd, Mar. 9, 1951; lowest 27.41 below lsd, Nov. 3, 1942. Records available: 1939-54.

Jan. 4	22.26	May 7	21.72	July 26	22.98	Oct. 8	23.09
Feb. 4	21.15	June 14	23.04	Aug. 6	23.05	Nov. 18	23.03
Mar. 9	21.00	29	22.95	Sept. 3	23.02	Dec. 17	22.61
Apr. 3	21.50						

20/3-30N1. City of Tacoma well 3-A. South 78th St. (extended) and South Warner St. Drilled public-supply water-table well in gravel, diameter 38 to 26 inches, depth 313 feet. Land-surface datum is 271.63 feet above msl. Highest water level 36.00 below lsd, Apr. 24, 1935; lowest 43.10 below lsd, Nov. 22, 1932. Records available: 1931-54.

Jan. 4	39.53	May 7	38.97	July 26	41.62	Oct. 8	41.85
Feb. 4	38.35	June 14	41.25	Aug. 6	42.05	Nov. 18	41.78
Mar. 9	39.99	29	41.40	Sept. 3	41.66	Dec. 17	41.40
Apr. 3	39.89						

20/3-35G1. L. S. Broxson. East 84th St. and Waller Rd. Dug domestic water-table well in sand and gravel below Vashon till, diameter 27 inches, depth 185 feet, lined with concrete to 185. Land-surface datum is about 428 feet above msl. Highest water level 178.57 below lsd, Mar. 18, 1951; lowest 182.27 below lsd, Mar. 18, 1945. Records available: 1940-54.

Jan. 3	181.46	Mar. 7	179.68	Apr. 28	179.21	June 20	179.50
10	181.45	14	179.73	May 2	179.28	27	179.58
17	181.37	18	179.68	9	179.38	30	179.62
24	181.34	21	179.70	16	179.34	July 4	179.60
31	181.27	27	179.45	23	179.35	11	179.70
Feb. 7	181.00	Apr. 4	179.35	30	179.45	18	179.70
14	180.70	11	179.30	June 1	179.43	25	179.78
21	180.40	18	179.25	6	179.45	26	179.93
28	180.15	25	179.25	14	179.50	Aug. 1	179.80

20/3-35G1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 8	179.87	Sept. 19	180.13	Oct. 24	180.30	Nov. 28	180.53
15	179.93	26	180.16	31	180.37	Dec. 1	180.56
22	179.96	28	180.34	Nov. 1	180.41	5	180.56
29	180.04	Oct. 3	180.23	7	180.40	12	180.57
Sept. 5	180.08	10	180.23	14	180.43	19	180.62
7	180.30	17	180.28	22	180.50	26	180.65
12	180.17						

20/4-36H2. Frank Chervenka. Pioneer Way and Sumner-Orting Rd. Drilled irrigation water-table well, diameter 6 inches, depth 77 feet. Land-surface datum is about 82 feet above msl. Highest water level 3.73 below lsd, Dec. 8, 1950; lowest 8.79 below lsd, Oct. 13, 1939. Records available: 1938-54.

Mar. 18	5.10	June 30	6.45	Sept. 7	7.87	Nov. 1	7.55
Apr. 28	5.83	July 27	6.92	27	7.54	Dec. 26	6.50
June 1	6.37						

20/4-24F3. Standard Brands of California, Inc. Sumner. Drilled industrial artesian well in gravel, diameter 18 inches, depth 572 feet, cased to 562, perforations 462-508. Land-surface datum is about 61 feet above msl. Highest water level 2.41 above lsd, Dec. 27, 1946; lowest 4.08 below lsd, Sept. 28, 1954. Records available: 1937-47, 1953-54. Oct. 30, 1953, 3.44; Nov. 23, 1.65; Mar. 18, 1954, 2.17; Apr. 28, 0.76; June 1, 1.67; Sept. 7, 0.46; Sept. 28, 4.08.

American Lake. Staff gage installed Oct. 10, 1951 at west end of U. S. Army boathouse on south end of lake in NE¼NE¼ sec. 30. Highest water level 236.85 above msl, Mar. 26, 1951; lowest 228.00 above msl, Sept. 27, 1944. Records available: 1938-54.

Jan. 5	+231.44	Mar. 29	+233.81	June 28	+233.01	Sept. 27	+231.49
11	231.55	Apr. 5	233.90	July 6	232.84	Oct. 11	231.28
14	231.65	12	233.95	13	232.72	18	231.20
20	231.90	23	233.88	19	232.55	Nov. 1	231.08
25	232.19	29	233.81	27	232.35	8	231.07
Feb. 1	232.47	May 3	233.76	Aug. 2	232.18	15	231.14
8	232.60	10	233.70	9	231.99	22	231.30
15	232.87	17	233.62	16	231.83	29	231.38
24	233.25	24	233.48	25	231.75	Dec. 6	231.38
Mar. 2	233.42	June 1	233.43	30	231.73	13	231.48
9	233.62	7	233.32	Sept. 7	231.60	20	231.56
15	233.70	15	233.19	13	231.56	22	231.56
22	233.76	21	233.19	20	231.60	29	231.68

Skagit County

34/4-18D1. Michael Fortin. Jetted irrigation water-table well in sand and gravel, diameter 6 inches, depth 33 feet, cased to 33, perforations 25-33. Land-surface datum is 26.92 feet above msl. Highest water level 8.50 below lsd, June 27, 1950; lowest 17.23 below lsd, Nov. 7, 1952. Records available: 1949-54.

Feb. 17	11.14	June 2	10.22	Sept. 9	12.39	Oct. 27	13.77
Mar. 31	12.54	29	9.16	30	13.42	Dec. 30	12.13
May 5	12.92	July 29	9.00				

Snohomish County

27/4-30A2. Don Schaffer. State Highway No. 1 and 212th St. South Everett. Drilled unused water-table well in Pleistocene sand (pre-Vashon), diameter 5 inches, depth 180 feet. Land-surface datum is about 410 feet above msl. Highest water level 133.84 below lsd, Aug. 16, 1951; lowest 144.20 below lsd, May 18, 1945. Records available: 1945-54.

Feb. 17	136.59	June 2	134.58	Sept. 9	134.45	Nov. 30	134.96
Mar. 31	135.62	29	134.32	30	134.61	Dec. 30	134.61
May 5	134.92	July 29	134.45	Oct. 28	134.85		

28/4-13H1. Oscar Eberhard. Beverly Park. Mukilteo Rd. and State Highway No. 1. Dug domestic water-table well in sand and gravel interbedded in Vashon till, diameter 40 inches, depth 22 feet, lined with concrete to 22. Land-surface datum is about 530 feet above msl. Highest water level 2.94 below lsd, Feb. 17, 1954; lowest 10.61 below lsd, Nov. 7, 1952. Records available: 1945-54.

28/4-13H1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	2.94	June 2	6.38	Aug. 9	7.42	Oct. 28	7.50
Mar. 31	5.90	29	6.47	30	7.34	Dec. 30	3.13
May 5	6.16	July 29	7.35				

29/5-2F1. L. Falkner. Dug domestic water-table well in Pleistocene gravel (pre-Vashon), diameter 6 feet, depth 115 feet, lined with concrete to 115. Land-surface datum is about 275 feet above msl. Highest water level 109.54 below lsd, May 6, 1948; lowest 112.50 below lsd, Aug. 15, 1944. Records available: 1944-54.

Feb. 17	110.03	June 2	110.10	Sept. 7	110.54	Nov. 30	110.10
Mar. 31	109.89	29	110.22	30	109.68	Dec. 30	109.97
May 5	110.68	July 29	110.35	Oct. 27	110.82		

30/5-22A1. G. Torie. Dug domestic water-table well in Vashon outwash sand and gravel, diameter 36 inches, depth 42 feet, lined with concrete to 42. Land-surface datum is about 75 feet above msl. Highest water level 15.18 below lsd, Mar. 27, 1951; lowest 25.98 below lsd, Jan. 8, 1953. Records available: 1944-54.

Feb. 17	15.91	June 2	19.63	Sept. 9	22.72	Nov. 30	19.80
Mar. 31	16.46	29	19.91	30	22.17	Dec. 30	18.33
May 5	18.17	July 29	20.62	Oct. 27	22.51		

31/5-10J3. J. W. Monigar. Drilled domestic water-table well in Pleistocene sand (pre-Vashon), diameter 6 inches, depth 120 feet. Land-surface datum is about 75 feet above msl. Highest water level 21.85 below lsd, May 6, 1948; lowest 30.17 below lsd, Aug. 28, 1953. Records available: 1945-54.

Feb. 17	24.84	June 2	24.93	Sept. 9	26.98	Nov. 30	27.32
Mar. 31	24.27	29	25.68	30	27.56	Dec. 30	28.14
May 5	24.37	July 29	28.01	Oct. 27	28.21		

32/4-5Q1. Elmer Norgaard. Drilled unused water-table well in sub-till sand and gravel, diameter 6 inches, depth 149 feet. Land-surface datum is about 235 feet above msl. Highest water level 125.56 below lsd, May 5, 1954; lowest 133.93 below lsd, Nov. 18, 1949. Records available: 1946-54.

Feb. 17	126.74	June 2	127.42	Sept. 9	127.09	Nov. 30	127.72
Mar. 31	127.40	29	127.45	30	127.31	Dec. 30	126.25
May 5	125.56	July 29	127.23	Oct. 27	127.38		

Spokane County

25/42-13B1. Empire Cold Storage Co. Sinto Ave. and Oak St. Spokane. Dug industrial water-table well in fluvioglacial gravel, diameter 41 inches, depth 200 feet, lined with concrete to 200. Land-surface datum is 1,883.37 feet above msl. Highest water level 179.17 below lsd, June 13, 1950; lowest 193.42 below lsd, Nov. 4, 1946. Records available: 1930-54. Feb. 26, 187.29, pumping; Apr. 20, 185.43, pumping; June 24, 182.94, pumping; Oct. 22, 190.23, pumping; Dec. 19, 189.26, pumping.

25/42-14L1. Riverside Park Cemetery Association. Dug irrigation water-table well in fluvioglacial outwash gravel, diameter 6 feet, depth 110 feet, lined with concrete to 82, perforations 82-100. Land-surface datum is about 1,787 feet above msl. Highest water level 81.73 below lsd, June 7, 1948; lowest 101.24 below lsd, Sept. 20, 1942. Records available: 1941-54.

Jan. 2	96.76	Mar. 17	93.30	June 16	89.04	Sept. 24	97.56
7	96.62	23	93.13	24	90.06	28	97.73
12	96.48	30	93.27	26	90.34	Oct. 6	97.85
16	96.41	Apr. 6	93.53	28	90.21	9	97.84
21	96.38	12	93.46	July 8	92.03	13	97.55
25	96.34	19	92.92	13	92.71	16	97.47
28	96.28	20	92.86	19	93.47	22	97.30
Feb. 2	96.17	27	92.06	27	93.71	Nov. 4	96.79
6	96.10	28	91.91	29	95.01	10	96.55
11	95.99	May 6	91.20	Aug. 3	95.56	15	96.37
16	95.84	11	90.99	14	96.93	27	96.36
20	95.50	25	88.62	23	96.85	29	96.35
26	94.62	29	87.88	31	97.00	Dec. 6	96.24
Mar. 6	93.77	June 5	87.86	Sept. 16	97.65	24	96.36
12	93.66	9	88.04	20	97.58	29	96.55

25/43-11G3. City of Spokane well 3. At upriver pump station. Dug public-supply water-table well in fluvioglacial gravel, diameter 24 to 29 feet, depth 41 feet, lined with concrete to 41. Land-surface datum is 1,902.11 feet above msl. Highest water level 9.31 below lsd, May 31, 1948; lowest 30.11 below lsd, Sept. 2, 1946. Records available: 1938-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	25.09	Apr. 12	20.92	July 12	25.48	Oct. 11	25.63
11	25.12	19	18.32	19	26.63	18	26.33
18	25.07	20	17.53	26	27.72	22	25.41
25	24.83	26	16.84	Aug. 2	28.08	25	25.48
Feb. 1	24.86	May 3	17.40	9	28.28	Nov. 1	25.43
8	24.65	10	16.91	16	27.53	8	25.12
15	24.14	17	14.72	23	27.80	15	25.30
22	22.59	24	13.12	30	28.23	22	25.55
26	21.04	31	15.42	31	27.78	29	25.31
Mar. 1	21.08	June 7	17.33	Sept. 6	27.73	Dec. 6	24.53
8	22.36	14	18.66	13	28.29	13	25.28
15	21.26	21	19.47	20	26.90	19	25.98
22	22.06	24	19.70	27	27.80	20	26.03
29	23.04	28	20.59	Oct. 4	27.33	27	26.70
Apr. 5	23.30	July 5	25.75				

25/43-11G6. City of Spokane gage well 1. At upriver pump station. Dug observation water-table well in fluvioglacial gravel, diameter 30 inches, depth 64 feet, lined with concrete to 64. Land-surface datum is 1,934.31 feet above msl. Highest water level 39.07 below lsd, Dec. 26, 1933; lowest 60.87 below lsd, July 9, 1931. Records available: 1926-54. Feb. 26, 51.27; Apr. 20, 48.94; June 24, 50.74; Aug. 31, 58.37; Oct. 22, 55.33; Dec. 19, 56.61.

25/43-11K1. City of Spokane gage well 2. Airport St. and Rutter Ave. Dug observation water-table well in fluvioglacial gravel, diameter 36 to 18 inches, depth 70 feet, lined with concrete to 70. Land-surface datum is 1,945.37 feet above msl. Highest water level 51.53 below lsd, Dec. 27, 1933; lowest 70.33 below lsd, Dec. 20, 1930. Records available: 1929-54. Feb. 26, 62.69; Oct. 22, 66.66; Dec. 19, 68.72.

25/43-14K1. Ohio Match Co. Broadway and Yardley Sts. Spokane. Dug unused water-table well in fluvioglacial gravel, diameter 41 inches, depth 83 feet, lined with concrete to 83. Land-surface datum is 1,927.40 feet above msl. Highest water level 35.17 below lsd, May 25, 1948; lowest 50.67 below lsd, Jan. 29, 1931. Records available: 1920, 1928-54. Feb. 26, 43.97; Apr. 20, 41.32; June 24, 41.12; Aug. 31, 47.82; Oct. 22, 48.07.

25/43-17D1. New Method Laundry. Mission Ave. and Pearl St. Spokane. Dug industrial water-table well in fluvioglacial gravel, diameter 30 inches, depth 63 feet, cribbed with brick to 63. Land-surface datum is 1,909.22 feet above msl. Highest water level 40.42 below lsd, May 25, 1948; lowest 51.22 below lsd, Feb. 7, 1931. Records available: 1928-54. Oct. 22, 49.04.

25/44-2B1. Trentwood irrigation district. Dug public-supply water-table well in fluvioglacial gravel, diameter 6 feet, depth 127 feet, lined with concrete to 127. Land-surface datum is 2,035.30 feet above msl. Highest water level 86.05 below lsd, June 13, 1950; lowest 109.73 below lsd, Dec. 23, 1930. Records available: 1928-54. Apr. 20, 95.89, pumping; Dec. 15, 98.41.

25/44-19D1. Edgecliff Sanitarium. U. S. Highway 10 and Park Rd. Dug public-supply water-table well in fluvioglacial gravel, diameter 60 to 29 inches, depth 88 feet. Land-surface datum is 1,969.57 feet above msl. Highest water level 67.97 below lsd, June 13, 1950; lowest 82.82 below lsd, Dec. 8, 1931. Records available: 1920, 1928-54. Aug. 31, 79.15; Oct. 22, 80.24, pumping; Dec. 18, 78.67.

25/44-23D1. E. E. Gooding. U. S. Highway 10 and Evergreen Rd. Dug irrigation water-table well in fluvioglacial gravel, diameter 48 to 18 inches, depth 97 feet, lined with concrete to 97. Land-surface datum is 2,016.74 feet above msl. Highest water level 77.85 below lsd, Apr. 8, 1950; lowest 95.40 below lsd, Dec. 8, 1931. Records available: 1931-54. Feb. 26, 86.30; Apr. 20, 85.82; Aug. 31, 88.90; Oct. 22, 88.80; Dec. 18, 89.27.

25/45-10C1. Mrs. George Clark. Dug unused water-table well in fluvioglacial gravel, diameter 36 inches, depth 67 feet, lined with terra cotta tile. Land-surface datum is 2,019.54 feet above msl. Highest water level 45.12 below lsd, June 29, 1950; lowest 68.73 below lsd, Sept. 20, 1930. Records available: 1928-54. Feb. 25, 58.38; Apr. 20, 56.24; Aug. 31, 58.85; Oct. 22, 61.08; Dec. 18, 61.41.

25/45-16C1. Inland Empire Paper Co. Dug domestic and irrigation water-table well in fluvioglacial gravel, diameter 8 feet, depth 129 feet. Land-surface datum is 2,055.89 feet above msl. Highest water level 84.56 below lsd, June 17, 1953; lowest 114.53 below lsd, Dec. 8, 1931. Records available: 1920, 1929-54. Feb. 25, 101.56; Apr. 20, 98.39; June 24, 95.21; Aug. 31, 101.64; Oct. 22, 103.45; Dec. 18, 103.30.

26/43-7Q1. C. E. Marr. Dug unused water-table well in fluvioglacial gravel, diameter 6 feet, depth 87 feet, cribbed with brick to 87. Land-surface datum is about 1,795 feet above msl. Highest water level 74.35 below lsd, July 28, 1949; lowest 79.63 below lsd, Apr. 7, 1948. Records available: 1942-53. No measurement made in 1954.

26/43-16D1. Permanente Metals Corp. test well. Drilled observation water-table well in fluvioglacial gravel, diameter 8 inches, depth 247 feet. Land-surface datum is about 1,937 feet above msl. Highest water level 155.40 below lsd, May 19, 1948; lowest 163.02 below lsd, Nov. 11, 1953. Records available: 1943-54. Nearby well pumping at time of measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	162.47	Apr. 28	162.48	July 21	161.71	Oct. 13	162.27
13	162.46	May 5	162.40	28	161.66	20	162.40
Feb. 10	162.54	12	162.42	Aug. 4	161.75	27	162.50
17	162.53	19	162.35	11	161.71	Nov. 3	162.15
24	162.33	26	162.31	18	161.85	10	162.26
Mar. 3	162.24	June 2	162.20	25	161.92	17	162.47
10	162.28	9	162.90	Sept. 1	162.01	24	162.37
17	162.34	16	161.91	8	162.10	Dec. 1	162.25
24	162.24	23	161.85	15	162.18	8	162.13
31	162.12	30	161.72	22	162.22	15	162.70
Apr. 7	162.00	July 7	161.76	29	162.21	22	162.40
14	162.50	14	161.41	Oct. 6	162.50	29	162.13
21	162.43						

26/43-19A1. Country Homes Estates. Holland and Ivanhoe Rds. Dug public-supply and irrigation water-table well in fluvioglacial gravel, diameter 6½ feet, depth 161 feet, lined with concrete to 161. Land-surface datum is 1,935.91 feet above msl. Highest water level 133.72 below lsd, Mar. 15, 1934; lowest 138.50 below lsd, Jan. 29, 1931. Records available: 1930-54. Apr. 20, 137.42, pumping; June 24, 137.51, pumping; Oct. 22, 137.02.

26/43-34P1. Great Northern Railway Co. Hillyard. Dug railroad water-table well in fluvioglacial gravel, diameter 6 to 10 feet, depth 240 feet, cribbed with brick to 164 and steel casing to 240. Land-surface datum is 2,035.98 feet above msl. Highest water level 163.12 below lsd, May 15, 1928; lowest 179.85 below lsd, Oct. 5, 1945. Records available: 1928-51, 1953. Measurement discontinued.

26/44-32R1. Hutton Settlement. Dug institutional and irrigation water-table well in fluvioglacial gravel, diameter 6 to 4 feet, depth 113 feet. Land-surface datum is 2,002.08 feet above msl. Highest water level 87.47 below lsd, June 13, 1950; lowest 104.60 below lsd, Dec. 12, 1947. Records available: 1928-54. Oct. 22, 100.55; Dec. 15, 98.92.

27/42-8H1. Mr. Hall. Dug irrigation water-table well in sand, size 48 to 27 inches, depth 30 feet, lined with concrete to 18, cased 18-30, perforations 20-30. Land-surface datum is about 2,120 feet above msl. Highest water level 5.03 below lsd, June 3, 1952; lowest 16.86 below lsd, Oct. 5, 1947. Records available: 1947-54. Feb. 26, 12.05; Apr. 20, 12.85; June 24, 12.90; Aug. 31, 13.90; Oct. 22, 13.80; Dec. 19, 14.10.

Thurston County

16/2-17D1. Roy C. Hansen. Dug unused water-table well in till, size 4 by 4 feet, depth 45 feet. Land-surface datum is about 465 feet above msl. Highest water level 14.27 below lsd, Mar. 19, 1954; lowest 42.32 below lsd, Nov. 7, 1952. Records available: 1951-54. Mar. 19, 14.27; Apr. 28, 17.69; June 3, 24.02; June 28, 28.58; Sept. 29, 37.58.

16/1W-19G1. Town of Tenino. Garfield and Sheridan Sts. Dug unused water-table well in fluvioglacial gravel, diameter 12 inches, depth 42 feet. Land-surface datum is about 138 feet above msl. Highest water level 3.27 below lsd, Dec. 6, 1950; lowest 13.67 below lsd, Nov. 6, 1952. Records available: 1941-54.

Mar. 19	6.06	June 28	8.02	Sept. 28	10.21	Nov. 29	5.43
Apr. 28	6.89	July 30	9.12	Oct. 29	9.70	Dec. 29	5.53
June 3	8.13	Sept. 8	10.13				

16/3W-29N1. Charles F. Norrie. Drilled unused water-table well in gravel, diameter 6 inches, depth 56 feet. Land-surface datum is about 138 feet above msl. Highest water level 33.26 below lsd, Mar. 1, 1949; lowest 40.95 below lsd, Sept. 6, 1949. Records available: 1947-53. Measurement discontinued.

17/1-14A1. W. R. Simcox. Drilled domestic water-table well in gravel and clay, diameter 4 inches, depth 110 feet. Land-surface datum is about 320 feet above msl. Highest water level 76.80 below lsd, Mar. 19, 1954; lowest 98.11 below lsd, Dec. 29, 1954. Records available: 1951-54. Mar. 19, 76.80; Apr. 28, 86.48; June 3, 90.51; June 28, 89.88; July 30, 94.76; Dec. 29, 98.11.

17/1W-4C2. W. R. Rowe. Drilled domestic water-table well in sand and gravel, diameter 8 inches, depth 36 feet, cased to 36. Land-surface datum is about 200 feet above msl. Highest water level 17.72 below lsd, Mar. 29, 1951; lowest 34.42 below lsd, Sept. 8, 1954. Records available: 1942-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 19	20.16	June 3	22.78	July 30	24.01	Nov. 29	28.19
Apr. 28	21.40	28	23.57	Sept. 8	34.42	Dec. 29	31.99

17/2-19M2. Town of Yelm. Northern Pacific Railway tracks and State Highway 5-1. Drilled unused water-table well in glacial sand and gravel, diameter 8 inches, depth 97 feet, cased to 97. Land-surface datum is about 350 feet above msl. Highest water level 20.93 below lsd, Jan. 25, 1954; lowest 32.86 below lsd, Dec. 5, 1952. Records available: 1951-54.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	21.22	21.51	23.33	24.60	26.87	28.30	29.63	30.49	30.98	31.36	30.34
2	.....	21.26	21.58	23.38	24.68	26.91	28.34	29.67	30.51	30.99	31.38	30.31
3	.....	.....	21.67	23.44	24.75	26.97	28.38	29.71	30.53	31.01	31.39	30.29
4	.....	.....	21.76	23.46	24.82	27.03	28.43	29.75	30.55	31.02	31.40	30.27
5	.....	.....	21.85	23.48	24.89	27.10	28.48	29.79	30.56	31.04	31.41	30.25
6	.....	.....	21.93	23.51	24.97	27.17	28.52	29.83	30.58	31.05	31.42	30.24
7	.....	.....	22.01	23.52	25.04	27.22	28.57	29.87	30.59	31.07	31.43	30.22
8	.....	.....	22.07	23.52	25.12	27.27	28.62	29.91	30.61	31.09	31.44	30.18
9	.....	.....	22.12	23.56	25.20	27.33	28.67	29.95	30.62	31.11	31.44	30.16
10	.....	.....	22.18	23.58	25.28	27.39	29.71	29.99	30.64	31.12	31.45	30.14
11	.....	.....	22.23	23.60	25.35	27.45	29.75	30.03	30.66	31.13	31.45	30.11
12	.....	.....	22.29	23.62	25.42	27.51	29.79	30.07	30.68	31.14	31.46	30.08
13	.....	.....	22.34	23.64	25.49	27.56	29.84	30.10	30.70	31.15	31.45	30.05
14	.....	.....	22.37	23.67	25.57	27.61	29.89	30.13	30.71	31.16	31.44	30.00
15	.....	.....	22.40	23.69	25.65	27.65	29.93	30.16	30.73	31.17	31.42	29.95
16	.....	.....	22.44	23.73	25.73	27.66	29.97	30.19	30.75	31.18	31.40	29.87
17	.....	21.87	22.50	23.77	25.81	27.67	30.00	30.21	30.76	31.20	31.35	29.79
18	.....	21.91	22.56	23.82	25.89	27.69	29.04	30.24	30.78	31.21	31.27	29.74
19	21.70	21.89	22.60	23.86	25.97	27.73	29.08	30.26	30.80	31.23	31.17	29.71
20	21.76	21.82	22.66	23.92	26.05	27.76	29.13	30.28	30.81	31.24	31.04	29.68
21	21.79	21.68	22.72	23.97	26.13	27.80	29.17	30.30	30.83	31.24	30.91	29.66
22	21.58	21.47	22.78	24.02	26.21	27.85	29.21	30.32	30.85	31.24	30.82	29.63
23	21.23	21.28	22.83	24.08	26.29	27.90	29.25	30.34	30.86	31.25	30.76	29.59
24	21.00	21.21	22.89	24.14	26.37	27.95	29.29	30.36	30.88	31.25	30.72	29.53
25	20.93	21.22	22.96	24.20	26.44	28.00	29.35	30.39	30.90	31.27	30.68	29.43
26	20.94	21.27	23.02	24.26	26.51	28.06	29.38	30.41	30.91	31.28	30.62	29.31
27	20.99	21.35	23.06	24.32	26.57	28.11	29.42	30.42	30.93	31.29	30.54	29.20
28	21.04	21.43	23.11	24.39	26.63	28.17	29.46	30.43	30.94	31.31	30.46	29.12
29	21.14		23.16	24.46	26.69	28.21	29.50	30.45	30.95	31.32	30.41	29.05
30	21.18		23.22	24.53	26.75	28.26	29.54	30.46	30.96	31.34	30.37	28.97
31	.....		23.28		26.81		29.59	.....		31.35		28.85

Walla Walla County

6/35-16B1. Claude Winn. Dug and drilled irrigation water-table well in alluvial gravel, diameter 48 to 8 inches, depth 74 feet. Land-surface datum is 730.81 feet above msl. Highest water level 0.64 below lsd, Jan. 15, 1937; lowest 9.28 below lsd, July 7, 1949. Records available: 1933, 1935-51, 1953-54. Feb. 27, 4.05; Apr. 21, 4.75; June 26, 3.91; Sept. 2, 4.69; Oct. 21, 3.37; Dec. 17, 4.11.

7/36-20N1. Marcus Whitman Hotel Association. North Second Ave. and Rose St. Walla Walla. Drilled unused artesian well in basalt, diameter 18 to 12 inches, depth 700 feet, perforations 86-106, 170-230. Land-surface datum is about 940 feet above msl. Highest water level 74.99 below lsd, May 26-27, 1948; lowest 84.28 below lsd, Sept. 6, 1952. Records available: 1948-49, 1952-54.

7/36-20N1--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	80.45	81.04	80.60	80.71	80.39	80.09	.....	.....	.....	.....	82.00	81.73
2	80.29	80.88	80.53	80.62	80.32	80.22	.....	.....	.....	.....	82.21	81.63
3	80.59	80.72	80.47	80.67	80.23	80.00	.....	.....	83.24	.....	82.32	81.49
4	80.68	80.58	80.49	80.63	80.33	80.15	.....	.....	83.14	.....	82.31	81.54
5	80.65	80.59	80.35	80.73	80.53	80.27	.....	.....	83.03	.....	82.20	81.42
6	80.49	80.54	80.35	80.97	80.56	80.17	.....	.....	82.83	.....	82.17	81.39
7	80.67	80.54	80.38	80.79	80.53	80.05	.....	.....	82.89	.....	82.12	81.58
8	80.87	80.36	80.21	80.72	80.60	79.96	.....	.....	82.96	.....	82.12	81.50
9	80.94	80.28	80.08	80.92	80.71	80.02	.....	.....	.....	.....	82.22	81.37
10	80.94	80.36	80.33	80.91	80.80	80.02	.....	.....	.....	.....	82.30	81.62
11	80.85	80.31	80.59	80.66	80.73	80.06	.....	.....	.....	.....	82.13	81.68
12	80.69	80.29	80.82	80.52	80.63	79.96	.....	.....	.....	.....	82.28	81.43
13	80.55	80.28	80.73	80.51	80.48	79.95	.....	.....	.....	.....	82.18	81.44
14	80.41	80.44	80.57	80.59	80.42	79.90	.....	.....	.....	.....	81.97	81.42
15	80.64	80.50	80.25	80.60	80.52	79.77	.....	.....	.....	.....	81.92	81.55
16	80.65	80.35	80.31	80.43	80.67	79.88	.....	.....	.....	.....	82.29	81.80
17	80.63	80.39	80.49	80.31	80.81	79.87	.....	.....	.....	.....	82.37	.....
18	80.75	80.72	80.62	80.26	80.75	79.90	.....	.....	.....	.....	82.27	81.74
19	81.00	80.59	80.47	80.36	80.89	79.91	.....	.....	.....	.....	82.18	81.60
20	80.99	80.49	80.50	80.22	80.84	79.90	.....	.....	.....	.....	82.21	81.53
21	80.79	80.73	80.60	80.07	80.82	80.02	.....	.....	.....	.....	82.09	81.45
22	80.72	80.77	80.57	80.01	80.68	80.15	.....	.....	.....	82.48	81.94	81.41
23	80.76	80.54	80.33	80.02	80.42	80.37	.....	.....	.....	82.54	81.98	81.22
24	80.84	80.50	80.47	80.07	80.33	80.48	.....	.....	.....	82.47	81.87	81.39
25	80.90	80.36	80.69	80.06	80.28	80.41	.....	.....	.....	82.43	81.77	81.50
26	81.08	80.57	80.71	80.06	80.19	80.55	.....	.....	.....	82.45	81.73	81.80
27	81.02	80.61	80.62	80.04	80.27	80.72	.....	.....	.....	82.32	81.77	81.80
28	81.20	80.44	80.72	80.23	80.10	80.65	.....	.....	.....	82.37	81.74	81.58
29	81.24		80.67	80.23	79.92	.....	.....	.....	.....	82.32	81.63	81.48
30	81.23		80.72	.....	80.09	.....	.....	.....	.....	82.27	81.65	81.29
31	81.18		80.70		80.09		.....	.....		82.23		81.45

Whatcom County

39/2-25R1. J. W. Elsbree. Smith and Meridian Rds. Dug domestic water-table well in sand and gravel, diameter 24 inches, depth 57 feet, lined with concrete to 57. Land-surface datum is about 165 feet above msl. Highest water level 54.06 below lsd, Apr. 20, 1950; lowest 58.60 below lsd, Aug. 14, 1947. Records available: 1946-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	55.74	June 29	58.16	Sept. 30	57.07	Nov. 30	56.78
Mar. 31	55.86	July 29	57.61	Oct. 27	56.94	Dec. 30	56.52
June 2	58.19	Sept. 9	55.74				

40/1-4J1. City of Blaine. Drilled public-supply water-table well in fluvioglacial sand and gravel, diameter 12 inches, depth 746 feet. Land-surface datum is about 175 feet above msl. Highest water level 64.92 below lsd, May 11, 1940; lowest 75.23 below lsd, July 3, 1946. Records available: 1938-54.

Feb. 17	66.81	May 6	66.54	Sept. 30	71.64	Nov. 30	68.62
Mar. 31	66.79	June 2	68.02	Oct. 27	72.03	Dec. 30	67.69

40/3-19M1. U. S. Geol. Survey. State Highway 1A and 1B. Driven observation water-table well in sand, diameter 1½ inches, depth 22 feet, cased to 20, screen 20-22. Land-surface datum is about 90 feet above msl. Highest water level 14.90 below lsd, May 5, 1954; lowest 19.23 below lsd, Nov. 7, 1952. Records available: 1952-54.

Feb. 17	14.95	June 2	16.50	Sept. 9	18.22	Nov. 30	17.93
Mar. 31	15.05	29	16.99	30	18.50	Dec. 30	17.47
May 5	14.90	July 29	17.46	Oct. 27	18.75		

40/4-5D1. John C. Loreen. Van Buren and Hoverstick Rds. Dug domestic and stock water-table well in gravel, size 20 by 30 inches, depth 61 feet, lined with concrete to 61. Land-surface datum is about 170 feet above msl. Highest water level 48.86 below lsd, Apr. 7, 1951; lowest dry, Jan. 10, Oct. 4, 1944, Jan. 1, 1953. Records available: 1940-54.

Jan. 9	51.58	May 5	51.13	Sept. 9	53.36	Nov. 1	54.41
Feb. 17	50.71	June 2	51.50	30	53.82	30	53.76
Mar. 28	50.25	29	51.90	Oct. 27	54.43	Dec. 30	53.40
31	50.53	July 29	52.46				

41/1-31Q1. City of Blaine. Twelfth and G Sts. Drilled unused artesian well in fluvio-glacial gravel, diameter 12 inches, depth 247 feet. Land-surface datum is about 52 feet above msl. Highest water level 22.50 above lsd, Apr. 17, 1947; lowest 13.50 above lsd, May 17, 1945. Records available: 1939-42, 1944-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 16	+20.50	June 2	+20.50	Sept. 9	+18.25	Nov. 30	+18.75
Mar. 31	+21.75	29	+21.00	30	+19.50	Dec. 30	+20.00
May 6	+20.50	July 29	+18.75	Oct. 27	+22.25		

Whitman County

14/45-4N1. Emory Crawford. Drilled domestic and stock artesian well in basalt, diameter 6 inches, depth 100 feet. Land-surface datum is 2,381.96 feet above msl. Highest water level 36.82 below lsd, Mar. 7, 1935; lowest 58.71 below lsd, Aug. 3, 1954. Records available: 1934-54.

Jan. 19	57.64	Apr. 22	57.49	July 7	58.31	Sept. 28	58.37
Feb. 17	57.31	May 18	57.81	Aug. 3	58.71	Nov. 10	58.52
Mar. 22	57.61	June 8	57.47	Sept. 3	58.51	Dec. 7	58.39

14/45-5B1. Washington State College well 1. Drilled institutional artesian well in basalt, diameter 4 inches, depth 145 feet. Land-surface datum is 2,363.04 feet above msl. Highest water level 22.02 below lsd, Mar. 15, 1935; lowest 41.23 below lsd, Aug. 23, 1953. Records available: 1935-54.

Jan. 19	c40.44	June 8	c41.44	Sept. 3	41.20	Nov. 10	c42.68
Feb. 17	c40.00	July 7	c42.70	28	41.06	Dec. 7	41.13
May 18	d40.64	Aug. 3	c42.85				

c Nearby well being pumped.
d Nearby well pumped recently.

14/45-11N1. U. S. Geol. Survey. Driven observation water-table well in gravel, diameter 1½ inches, depth 15 feet. Land-surface datum is about 2,523 feet above msl. Highest water level 2.39 below lsd, Apr. 21, 1937; lowest 9.48 below lsd, Oct. 3, 1940. Records available: 1934-54

Jan. 19	4.66	Apr. 22	3.67	July 7	5.09	Nov. 10	5.94
Feb. 17	3.50	May 18	4.12	Aug. 3	6.08	Dec. 6	5.66
Mar. 22	3.28	June 8	4.34	Sept. 28	6.30		

15/46-20K1. J. D. Carson. Dug unused water-table well in Palouse formation, diameter 30 inches, depth 15 feet, cribbed with brick to 15. Land-surface datum is about 2,579 feet above msl. Highest water level 3.43 below lsd, Apr. 7, 1950; lowest 8.40 below lsd, Jan. 3, 1937. Records available: 1934-37, 1939, 1942-54.

Jan. 19	5.76	Apr. 22	4.60	July 7	6.08	Nov. 10	7.18
Feb. 17	4.47	May 18	5.37	Aug. 3	6.50	Dec. 8	7.18
Mar. 22	4.17	June 8	5.46	Sept. 29	6.85		

18/41-1B1. Inland Empire Milling Co. Park and Front Sts. St. John. Drilled unused artesian well in basalt, diameter 6 inches, depth 84 feet. Land-surface datum is about 2,100 feet above msl. Highest water level 2.01 below lsd, Dec. 9, 1952; lowest 7.04 below lsd, Aug. 15, 1952. Records available: 1945-54.

Jan. 19	2.39	June 18	2.37	Sept. 3	2.38	Nov. 14	2.37
Mar. 22	2.36	July 16	2.40	Oct. 7	2.37	Dec. 8	2.37
Apr. 22	2.39	Aug. 2	3.23				

18/43-35P1. G. H. Noe. Drilled unused water-table well in basalt, diameter 6 inches, depth 132 feet. Land-surface datum is about 2,320 feet above msl. Highest water level 5.10 below lsd, Mar. 20, 1949; lowest 16.23 below lsd, Oct. 7, 1945. Records available: 1940-54.

Jan. 19	11.12	June 18	10.98	Sept. 3	12.45	Nov. 14	12.26
Mar. 22	10.15	July 16	11.60	Oct. 7	12.57	Dec. 8	12.15
Apr. 22	9.50	Aug. 2	12.00				

Yakima County

12/18-1R1. U. S. Geol. Survey. Driven observation water-table well in gravel, diameter 1½ inches, depth 9 feet, cased to 7, screen 7-9. Land-surface datum is about 995 feet above msl. Highest water level 2.30 below lsd, Feb. 28, 1954; lowest 5.72 below lsd, July 26, 1954. Records available: 1952-54.

12/18-1R1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	4.60	May 26	2.43	Sept. 3	2.70	Nov. 24	3.14
Feb. 28	2.30	June 27	2.81	14	3.84	Dec. 16	4.27
Apr. 22	5.06	July 26	5.72	Oct. 18	4.48		

WYOMING

By D. A. Morris

Scope of Water-Level Program

The observation-well program in Wyoming was continued in 1954 in cooperation with the State Engineer and the city of Cheyenne. Measurements of water levels were made in 107 wells. In addition to the water-level measurements given in this report, many measurements of water levels were made during project studies and have been or will be published in the project reports. Figures 29-33 show the location of observation wells.

Interpretation of Water-Level Fluctuations

Water levels fluctuate in response to precipitation, surface runoff in streams, the amount of water used in irrigated areas, the amount pumped from wells, and the amount of ground water withdrawn by plants. Water levels in surficial deposits of Quaternary age throughout most of the State declined during 1954, the greatest decline being in the Pine Bluffs area, southeastern Laramie County, and in the Wheatland Flats area, central Platte County. Water levels in the alluvium along stream valleys were generally lower than in 1953, the average being 1 foot lower. In irrigated areas along the streams, the use of water for irrigation causes an appreciable fluctuation of water levels. Water levels begin to rise in the spring and continue to rise until irrigation is discontinued in the fall, reaching their peak level about the end of September. In 1954, water levels in the alluvium along the North and South Platte Rivers and their tributaries in southeastern Wyoming were from about 1 to 2.5 feet lower than in 1953. Water levels in the alluvium of the main stem and tributaries of the Big Horn, Green, and Belle Fourche Rivers declined slightly during the year, generally less than 0.5 foot. This decline of water levels correlates with the streamflow for the year. Streamflow throughout the State generally was below normal, the greatest deficiency being in the Platte River drainage basin. Locally, along the lower reaches of Muddy Creek, Lodgepole Creek, and Chevington Draw in the vicinity of Pine Bluffs, Laramie County, heavy pumping of ground water for irrigation has caused the water table to lower 10 to 20 feet below the 1940-41 level. Most of this decline occurred during 1954. In surficial deposits of Quaternary age above the valley alluvium and remote from areas of development, water levels generally have declined less than 0.5 foot during 1954. Water levels in these materials in the upland areas remote from the heavy pumping near Pine Bluffs dropped about 0.4 foot but were still at a somewhat higher stage than during the early 1940's. Water levels in the terrace deposits of the Wheatland Flats area, Platte County, declined about 6.5 feet during 1954, reaching a stage 8.5 feet lower than in 1948 when measurements were first made. This decline is primarily due to lack of recharge caused by deficiency of available surface water for irrigation during 1953 and 1954.

Water levels in deposits of Tertiary age that supply water to most of the stock and domestic wells in the State were about the same as in 1953, except in local areas of heavy pumping. Water levels in the Ogallala formation of Tertiary age in the Cheyenne municipal well field continued to decline in 1954. The average lowering of water levels was about 6 feet, the largest occurring in the part of the well field that was brought into production at the end of 1952. The amount of ground water withdrawn was about 1,700 million gallons, about 120 million gallons more than in 1953. Water levels in rocks of Tertiary age in an area south of Cheyenne, outside the city well field, generally have declined more than 100 feet during the past 12 years.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first segment of a well number indicates the township, the second the range, and the third the section. The lowercase letters, a, b, c, and d, after the section number indicate the location of the well within the section; the first letter denotes the 160-acre tract; the second the 40-acre tract; and the third the 10-acre tract. When more than one well is in the smallest significant tract, consecutive numbers beginning with 1 are added as suffixes. The diagram on page 156 is a graphical illustration of this method of well numbering within a section of 640 acres. Well numbers preceded by the capital letters A, B, C, and D designate wells in the northeast, northwest, southwest, and southeast quadrants, respectively, of the Wind River meridian and baseline system. Well numbers not preceded by a capital letter designate wells in the sixth principal meridian and baseline system.

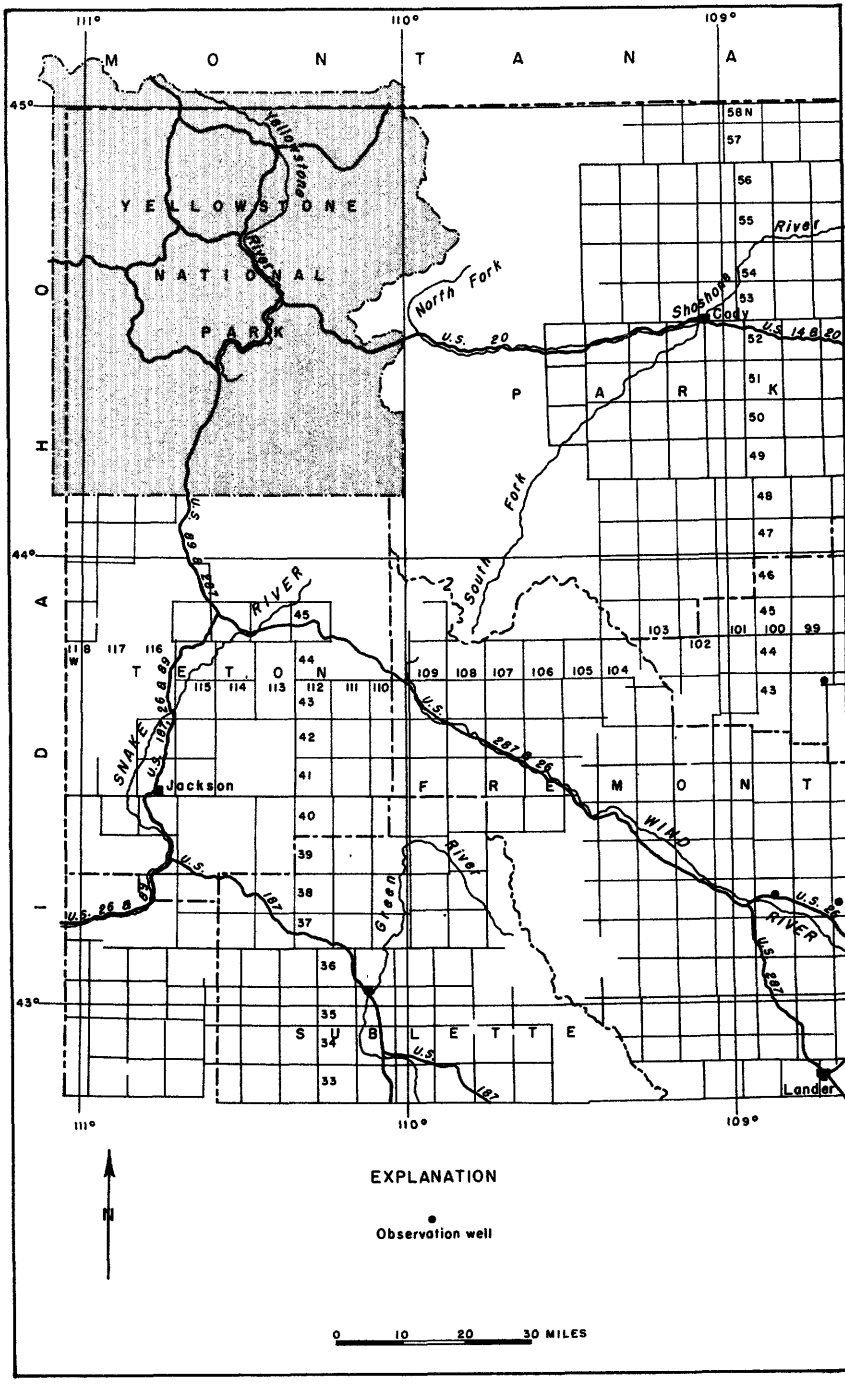


Figure 29. --Location of observation wells in northwestern Wyoming, 1954.

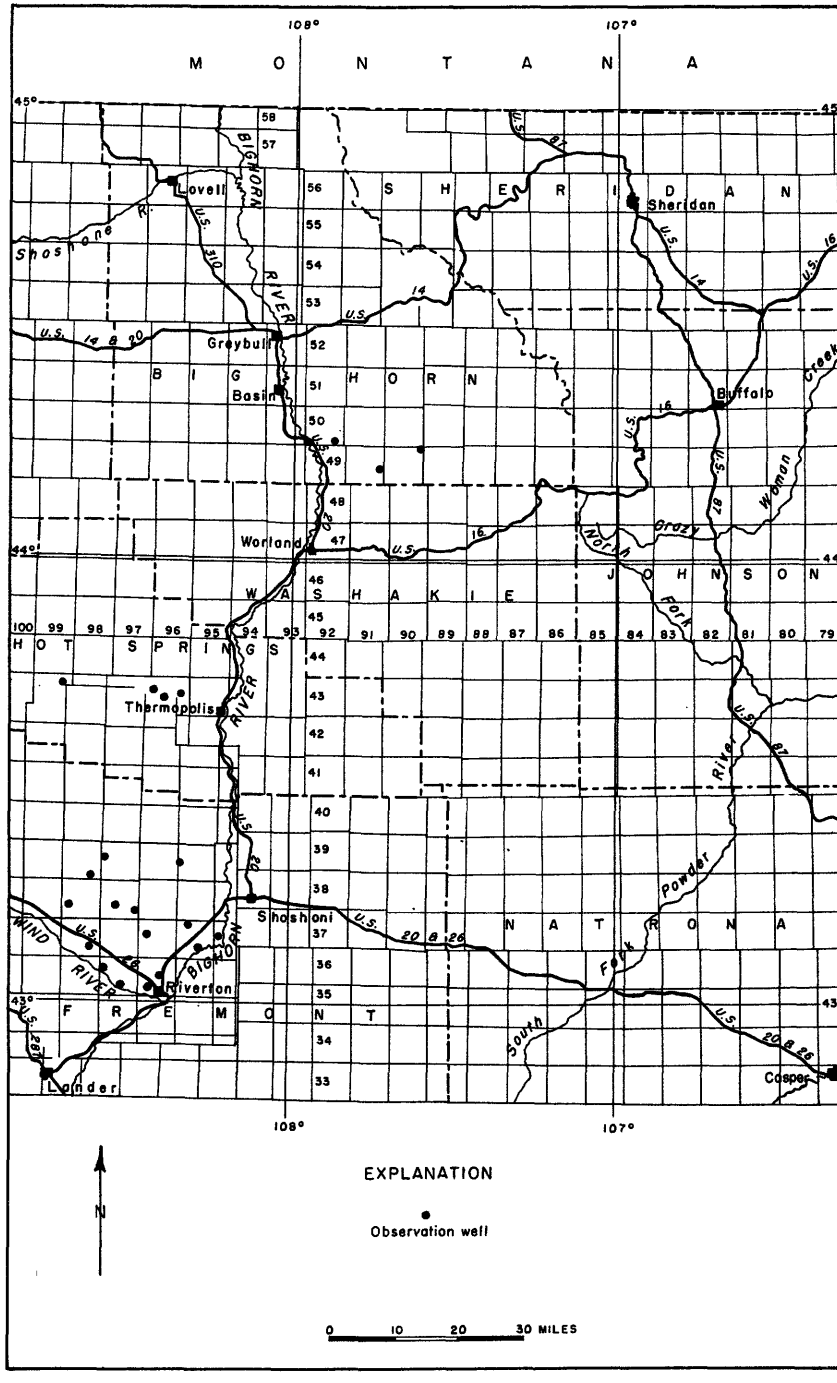


Figure 30. --Location of observation wells in north-central Wyoming, 1954.

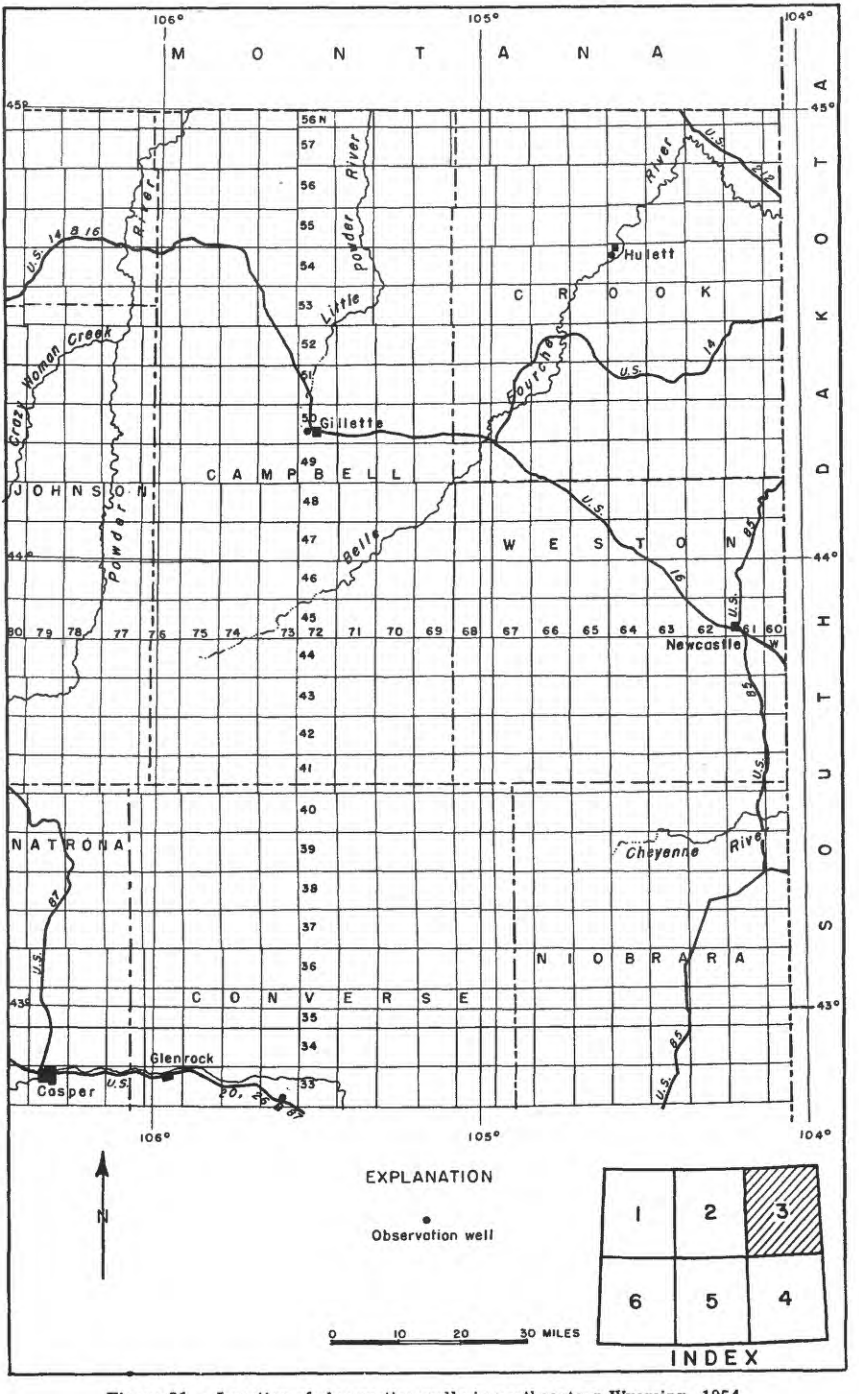


Figure 31. --Location of observation wells in northeastern Wyoming, 1954.

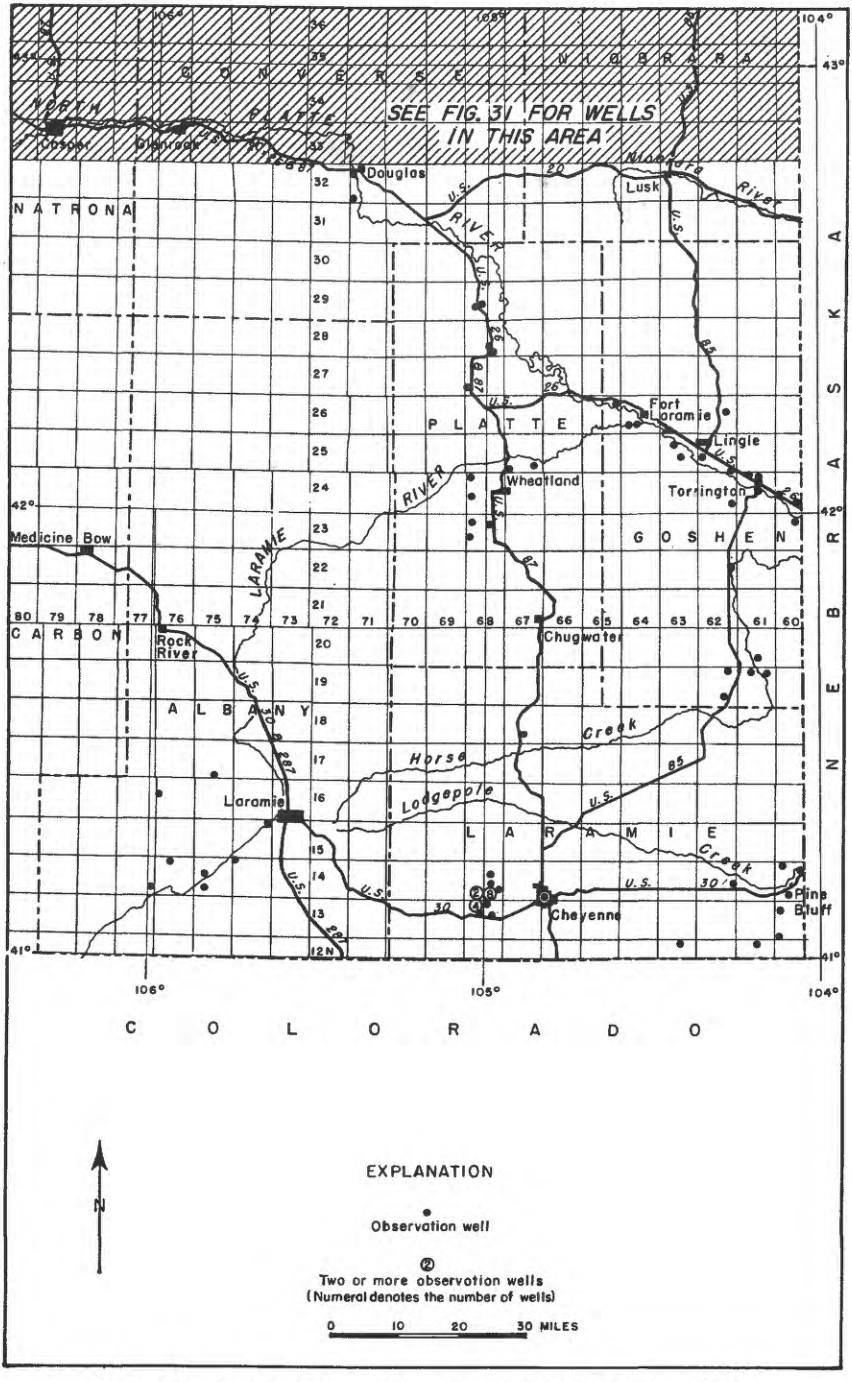


Figure 32. --Location of observation wells in southeastern Wyoming, 1954.

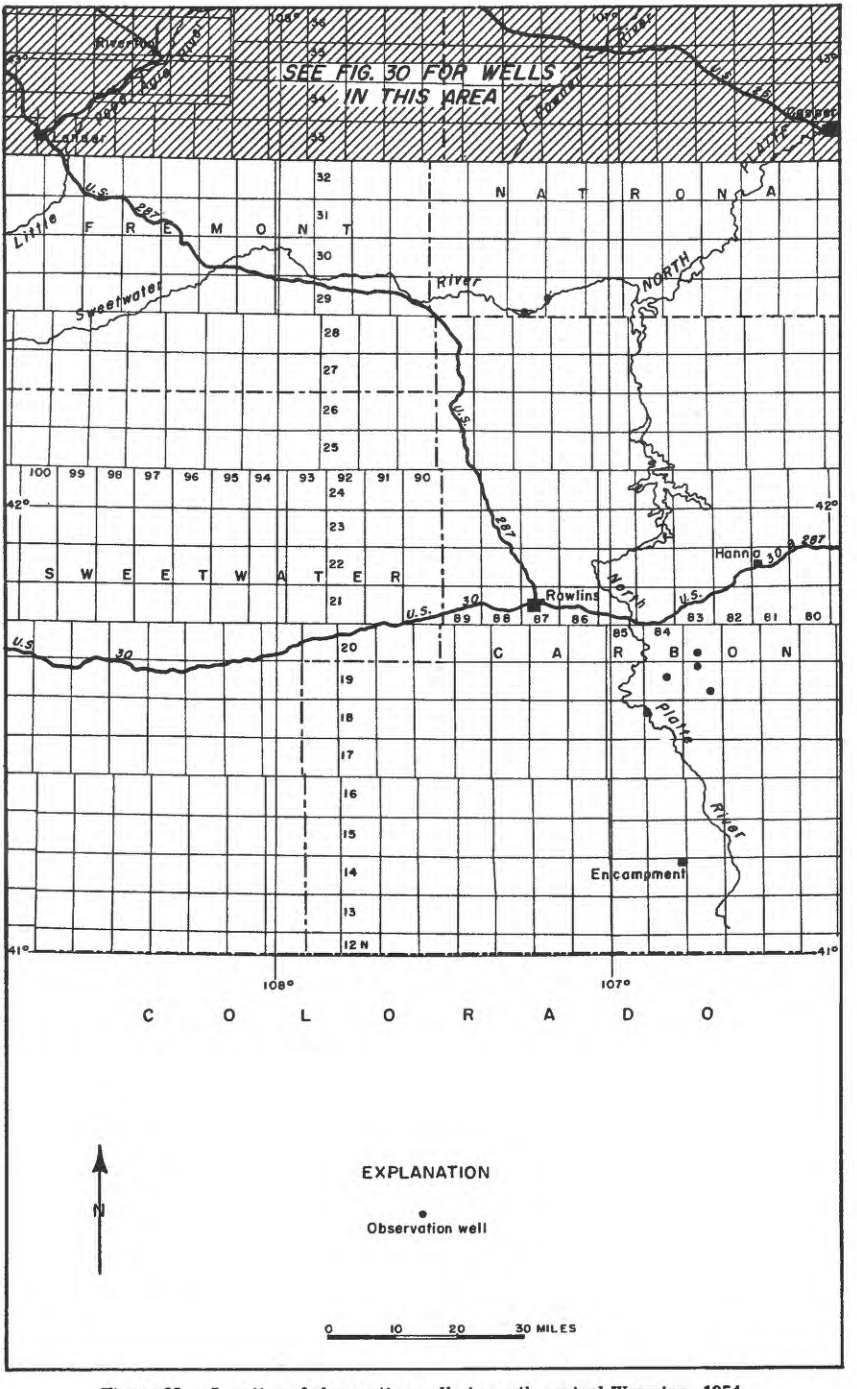
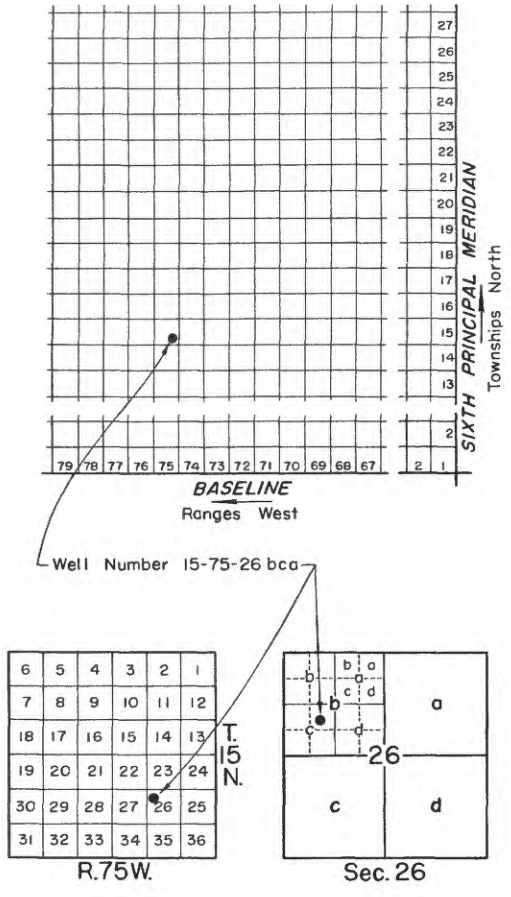


Figure 33. --Location of observation wells in south-central Wyoming, 1954.



Well Descriptions and Water-Level Measurements

(Water levels are in feet below land-surface datum unless otherwise indicated.)

Albany County

14-74-6dac. Monolith Portland Midwest Co. Drilled unused water-table well in gravel of alluvium, diameter 4 inches, depth 54 feet. Land-surface datum is 7,151.4 feet above msl. Highest water level 3.72 below lsd, May 24, 1951; lowest 6.39 below lsd, Sept. 23, 1952. Records available: 1948-54. May 25, 5.47; Sept. 27, 6.27.

14-75-17aac. Ray Moeller. Dug domestic and stock water-table well in gravel of terrace deposits, diameter 4 feet, depth 8 feet, cribbed with concrete to 8. Land-surface datum is 7,275 feet above msl. Highest water level 2.90 below lsd, July 8, 1949; lowest 7.55 below lsd, Sept. 27, 1954. Records available: 1948-54. May 25, 6.69; Sept. 27, 7.55.

14-75-29adb. Oda Mason. Dug unused water-table well in alluvium, diameter 5 feet, depth 10 feet, cribbed with wood to 8. Highest water level 1.61 below lsd, May 24, 1951; lowest 5.64 below lsd, Nov. 15, 1949. Records available: 1948-54. May 25, 3.71; Sept. 27, 5.06.

14-76-4aab. John A. Conners. Drilled unused water-table well in gravel of terrace deposits, diameter 6 inches, depth 12 feet. Highest water level 3.48 below lsd, June 21, 1949; lowest 6.92 below lsd, Sept. 27, 1954. Records available: 1948-54. May 25, 5.52; Sept. 27, 6.92.

14-77-25dcd. Mr. Embree. Drilled stock water-table well in gravel of terrace deposits, diameter 8 inches, depth 75 feet. Land-surface datum is 7,417.1 feet above msl. Highest water level 24.92 below lsd, Sept. 21, 1951; lowest 33.55 below lsd, May 25, 1954. Records available: 1948-54. May 25, 33.55; Sept. 27, 27.00.

15-74-1aaa. Maurice Laycock. Dug stock water-table well in alluvium, diameter 24 inches, depth 11 feet, cribbed with brick. Land-surface datum is 7,079.5 feet above msl. Highest water level 2.61 below lsd, Mar. 27, 1950; lowest 8.85 below lsd, Sept. 27, 1954. Records available: 1948-54. May 25, 6.21; Sept. 27, 8.85.

16-76-18dbb. Dr. Markley. Drilled unused water-table well in alluvium, diameter 6 inches, reported depth 15 feet. Land-surface datum is 7,329.4 feet above msl. Highest water level 0.00 below lsd, July 8, 1949, May 24, July 23, 1951; lowest 6.82 below lsd, Sept. 27, 1954. Records available: 1948-54. May 21, 4.65; Sept. 27, 6.82.

17-75-34cdd. Ralph May. Dug unused water-table well in alluvium, diameter 4 feet, depth 10 feet, cribbed with wood to 10. Highest water level 0.87 below lsd, June 21, 1949; lowest 6.50 below lsd, Sept. 27, 1954. Records available: 1948-54. May 21, 4.18; Sept. 27, 6.50.

Big Horn County

49-90-1daa1. Owner unknown. Dug unused water-table well in sand and gravel of alluvium, diameter 4 feet, depth 14 feet, cribbed with rock to 14. Land-surface datum is 4,456.4 feet above msl. Highest water level 3.00 below lsd, June 29, 1949; lowest 9.43 below lsd, Apr. 3, 1952. Records available: 1947-54. May 19, 6.64; Sept. 22, 8.27.

49-91-24bba. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter 3/4 inch, depth 11 feet, screen 10-11. Land-surface datum is 4,110.8 feet above msl. Highest water level 7.32 below lsd, June 26, 1951; lowest dry at 11.00, May 29, July 31, 1951. Records available: 1951-54. May 19, 8.90; Sept. 22, 9.07.

50-92-31bba1. Manderson Hotel (Johnson). Drilled unused artesian well in Fort Union formation, diameter 5 inches, depth 48 feet. Land-surface datum is 3,893.2 feet above msl. Highest water level 8.68 below lsd, July 26, 1948; lowest 21.85 below lsd, May 19, 1954. Records available: 1947-54. May 19, 21.85; Sept. 22, 21.47.

50-92-35adc. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter 3/4 inch, depth 22 feet, screen 21-22. Land-surface datum is 3,970.8 feet above msl. Highest water level 12.63 below lsd, July 31, 1951; lowest 17.59 below lsd, Apr. 27, 1951. Records available: 1951-54. May 19, 17.11; Sept. 22, 14.02.

Campbell County

50-72-20add. State of Wyoming. Drilled observation artesian well in sandstone of Wasatch formation, diameter 3 inches, depth 320 feet, cased to 180. Land-surface datum is 4,567.14 feet above msl. Highest water level 76.21 below lsd, Sept. 4, 1951; lowest 79.54 below lsd, July 21, 1953. Records available: 1949-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	78.70	May 12	78.59	Aug. 10	78.66	Nov. 15	78.71
Mar. 8	78.47	June 7	78.63	Sept. 7	78.69	Dec. 13	78.65
Apr. 26	78.64	July 6	78.78	Oct. 12	78.78		

Carbon County

18-84-7dad. H. G. Carpening. Dug domestic water-table well in sand and gravel of alluvium, diameter 6 feet, depth 12 feet, cribbed with wood to 12. Highest water level 6.47 below lsd, June 25, 1951; lowest 10.27 below lsd, Sept. 27, 1954. Records available: 1950-54. May 21, 8.80; Sept. 27, 10.27.

19-83-4dda. A. L. Welton. Drilled domestic water-table well in sand and gravel of alluvium, diameter 8 inches, depth 17 feet, cased to 17. Highest water level 3.91 below lsd, May 23, 1951; lowest 9.50 below lsd, Sept. 27, 1954. Records available: 1950-54. May 21, 6.96; Sept. 27, 9.50.

19-83-26cad. R. Welton. Dug stock water-table well in sand and gravel of alluvium, diameter 6 feet, depth 10 feet, cribbed with wood to 10. Highest water level 0.23 below lsd, July 31, 1951; lowest 4.27 below lsd, Sept. 27, 1954. Records available: 1950-54. May 21, 0.00, field flooded; Sept. 27, 4.27.

19-84-15dbd. Rocky Mountain Sheep Co. Drilled unused water-table well in sand of North Park formation, diameter 4 inches, reported depth 600 feet. Highest water level 114.98 below lsd, Mar. 25, 1953; lowest 116.23 below lsd, Nov. 17, 1950. Records available: 1950-54. May 21, 115.11; Sept. 27, 115.01.

20-83-28bab. State of Wyoming. Drilled unused water-table well in sand of North Park formation, diameter 3 inches, depth 33 feet. Highest water level 16.16 below lsd, Sept. 3, 1953; lowest 18.35 below lsd, Aug. 1, 1950. Records available: 1950-54. May 21, 17.36; Sept. 27, 17.51.

Converse County

32-71-7dcd. Town of Douglas. Drilled unused water-table well in sand and gravel of alluvium, diameter 12 inches, depth 51 feet. Highest water level 6.96 below lsd, Mar. 13, 1952; lowest 18.85 below lsd, Sept. 23, 1954. Records available: 1950-52, 1954. May 26, 14.12; Sept. 23, 18.85.

32-71-31aaa. Mrs. Sallie Edwards. Drilled domestic water-table well in siltstone of White River group, diameter 6 inches, depth 84 feet, cased to 84. Highest water level 13.34 below lsd, Feb. 9, 1951; lowest 20.32 below lsd, July 10, 1950. Records available: 1950-54. May 18, 13.50; Sept. 20, 13.62.

33-73-27abc. U. S. Geol. Survey. Drilled observation water-table well in silt of slope wash, diameter 3/4 inch, depth 14 feet. Highest water level 2.73 below lsd, Apr. 4, 1952; lowest 7.91 below lsd, Sept. 20, 1954. Records available: 1950-54. May 26, 6.06; Sept. 20, 7.91.

Crook County

54-64-7bcc. Charles Martin. Dug observation water-table well in alluvium, diameter 5 feet, depth 20 feet. Highest water level 13.50 below lsd, Apr. 7, 1949; lowest 16.13 below lsd, Mar. 25, 1946. Records available: 1942-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	15.26	Apr. 20	15.02	July 28	15.21	Oct. 22	15.02
Feb. 25	15.03	May 20	15.11	Aug. 24	15.12	Nov. 26	14.82
Mar. 22	15.05	June 24	14.87	Sept. 30	15.16	Dec. 23	14.77

Fremont County

A-1-3-7ad3. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter 3/4 inch, depth 29, screen 28-29. Land-surface datum is 5,163.5 feet above msl. Highest water level 8.29 below lsd, Aug. 30, 1952; lowest 21.23 below lsd, May 14, 1952. Records available: 1951-54. May 20, 19.84; Sept. 23, 10.67.

A-1-3-27bb. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter 3/4 inch, depth 25 feet, screen 24-25. Land-surface datum is 5,080.7 feet above msl. Highest water level 3.14 below lsd, Sept. 26, 1953; lowest 6.49 below lsd, May 14, 1952. Records available: 1951-54. May 20, 5.02; Sept. 23, 3.78.

A-1-4-15dd3. U. S. Geol. Survey. Jetted unused water-table well in terrace deposits, diameter 3/4 inch, depth 26 feet, screen 25-26. Land-surface datum is 4,957.9 feet above msl. Highest water level 3.72 below lsd, July 30, 1951; lowest 6.00 below lsd, Jan. 28, 1952. Records available: 1951-54. May 20, 4.84; Sept. 23, 4.35.

A-1-4-29bd2. City of Riverton. Drilled unused artesian well in sandstone of Wind River formation, diameter 12 inches, depth 578 feet, cased to 578. Land-surface datum is 5,184.6 feet above msl. Highest water level 170.50 below lsd, Mar. 27, 1950; lowest 203.97 below lsd, Oct. 28, 1949. Records available: 1949-54. May 20, 180.28; Sept. 23, 186.00.

A-2-2-23bd. Leha Bechert. Drilled unused water-table well in Wind River formation, diameter 6 inches, depth 47 feet. Land-surface datum is 5,384.6 feet above msl. Highest water level 18.72 below lsd, Oct. 1, 1951; lowest 24.97 below lsd, Apr. 23, 1953. Records available: 1951-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 30, 1951	21.51	Aug. 27, 1951	19.07	Jan. 29, 1952	20.23	Apr. 23, 1953	24.97
Apr. 28	22.24	Oct. 1	18.72	Feb. 29	20.61	Sept. 26	22.09
June 1	21.85	26	18.94	Mar. 28	21.08	May 20, 1954	24.41
26	21.11	Nov. 28	19.18	May 14	22.29	Sept. 23	22.11
July 31	19.92	Dec. 27	19.63	Aug. 30	21.93		

A-2-4-17da. U. S. Bureau of Reclamation. Drilled unused water-table well in alluvium, diameter 3 inches, depth 8 feet, perforations 0-8. Land-surface datum is 5,262.0 feet above msl. Highest water level 1.97 below lsd, Aug. 27, 1951; lowest 5.18 below lsd, Feb. 29, 1952. Records available: 1951-54. May 20, 3.10; Sept. 23, 3.22.

A-2-5-5aa3. U. S. Bureau of Reclamation. Drilled unused water-table well in alluvium, diameter 3 inches, depth 29 feet, perforations 0-29. Land-surface datum is 4,916.0 feet above msl. Highest water level 1.64 below lsd, Sept. 23, 1954; lowest 8.88 below lsd, Aug. 29, 1952. Records available: 1951-54. May 20, 4.27; Sept. 23, 1.64.

A-2-5-28ca. U. S. Geol. Survey. Jetted unused water-table well in terrace deposits, diameter 3/4 inch, depth 18 feet, screen 17-18. Land-surface datum is 4,860.1 feet above msl. Highest water level 1.79 below lsd, Aug. 29, 1952; lowest 14.27 below lsd, Apr. 24, 1953. Records available: 1951-54. May 20, 13.64; Sept. 23, 2.78.

A-2-6-18da. U. S. Geol. Survey. Jetted unused water-table well in terrace deposits, diameter 3/4 inch, depth 22 feet, screen 21-22. Land-surface datum is 4,814.6 feet above msl. Highest water level 6.11 below lsd, Sept. 26, 1953; lowest 15.74 below lsd, Apr. 28, 1951. Records available: 1951-54. May 20, 14.03, water in adjacent ditch; Sept. 23, 7.47.

A-3-2-20cd. Joe Eiseman. Drilled unused water-table well in alluvium, diameter 8 inches, depth 48 feet. Land-surface datum is 5,348.8 feet above msl. Highest water level 16.49 below lsd, Aug. 26, 1949; lowest 26.31 below lsd, Apr. 30, 1950. Records available: 1948-54. May 20, 25.17; Sept. 23, 17.98.

A-3-3-21ad2. H. W. Roland. Drilled unused artesian well in sandstone of Wind River formation, diameter 6 inches, depth 425 feet, cased to 403. Land-surface datum is 5,272.8 feet above msl. Highest water level 146.29 below lsd, Dec. 1, 1950; lowest 150.48 below lsd, Sept. 23, 1954. Records available: 1948-54. May 20, 149.44; Sept. 23, 150.48.

A-3-3-25bb. U. S. Bureau of Reclamation. Drilled unused water-table well in alluvium, diameter 3 inches, depth 28 feet, perforations 0-28. Land-surface datum is 5,150.8 feet above msl. Highest water level 9.04 below lsd, Sept. 23, 1954; lowest 13.67 below lsd, Apr. 24, 1953. Records available: 1951-54. May 20, 13.36; Sept. 23, 9.04.

A-4-2-35cc. U. S. Bureau of Reclamation. Drilled unused water-table well in alluvium, diameter 3 inches, depth 20 feet, perforations 0-20. Land-surface datum is 5,393.7 feet above msl. Highest water level 5.95 below lsd, Oct. 1, 1951; lowest 13.20 below lsd, Apr. 28, 1951. Records available: 1951-54. May 20, 8.00; Sept. 23, 7.97.

A-4-3-18cb. U. S. Bureau of Reclamation. Drilled unused water-table well in alluvium, diameter 3 inches, depth 27 feet, perforations 0-27. Land-surface datum is 5,340.0 feet above msl. Highest water level 4.47 below lsd, Aug. 27, 1951; lowest 22.16 below lsd, Nov. 27, 1951. Records available: 1951-54. May 20, 4.94, ditch nearby; Sept. 23, 6.55.

A-4-5-18dc. U. S. Bureau of Indian Affairs. Drilled unused artesian well in sandstone of Wind River formation, diameter 5 inches, depth 168 feet. Land-surface datum is 4,935.8 feet above msl. Highest water level 69.43 below lsd, Apr. 24, 1953; lowest 80.15 below lsd, Sept. 26, 1953. Records available: 1947-54. May 20, 79.17, 20 feet distant from lake. Measurement discontinued.

B-3-1-15dc. T. P. Haslin. Dug unused water-table well in alluvium, diameter 36 inches, depth 17 feet, cased to 17. Land-surface datum is 5,490.29 feet above msl. Highest water level 5.76 below lsd, July 31, 1951; lowest 15.48 below lsd, Feb. 28, 1952. Records available; 1949-54. May 20, 15.20; Sept. 23, 7.50.

Goshen County

19-61-2ccd. City of Lagrange. Drilled unused water-table well in sand and gravel of alluvium, diameter 4 inches, depth 30 feet. Land-surface datum is 4,577.2 feet above msl. Highest water level 13.77 below lsd, Apr. 1, 1949; lowest 19.90 below lsd, Mar. 23, 1951. Records available: 1943, 1949-54. June 9, 15.20; Sept. 20, 19.07.

19-61-4cdd. Hugh Stemler. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 33 feet, cased to 33. Land-surface datum is 4,557.3 feet above msl. Highest water level 4.07 below lsd, June 4, 1949; lowest 9.03 below lsd, Mar. 23, 1951. Records available: 1943, 1948-54. June 9, 6.62; Sept. 20, 24.22, nearby well being pumped.

19-62-2add. Edward Krohn. Drilled unused water-table well in siltstone of Brule formation, diameter 4 inches, depth 92 feet. Land-surface datum is 4,683.6 feet above msl. Highest water level 57.23 below lsd, Mar. 28, 1952; lowest 58.58 below lsd, May 3, 1943. Records available: 1943, 1949-54. June 9, 57.57; Sept. 20, 57.84.

19-62-26dba. F. E. Jones. Drilled stock water-table well in siltstone of Brule formation, diameter 5 inches, depth 42 feet. Highest water level 22.54 below lsd, Apr. 1, 1949; lowest 28.61 below lsd, Jan. 30, 1952. Records available: 1948-54. June 9, 26.95; Sept. 20, 27.97.

20-61-27ddc. Curtis Templin. Drilled unused water-table well in gravel of alluvium, diameter 6 inches, depth 86 feet. Land-surface datum is 4,527.9 feet above msl. Highest water level 28.57 below lsd, July 27, 1943; lowest 31.55 below lsd, Mar. 13, 1953. Records available: 1943, 1949-54. June 9, 31.50.

22-62-13bbb. Samuel Garrett. Drilled unused artesian well in sandstone of Lance formation, diameter 5 inches, depth 148 feet. Highest water level 31.03 below lsd, Aug. 30, 1949; lowest 44.47 below lsd, Nov. 29, 1949. Records available: 1948-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 1, 1948	43.29	Nov. 29, 1949	44.47	Nov. 29, 1950	43.77	Oct. 16, 1951	42.94
29	43.20	Dec. 29	43.36	Jan. 17, 1951	42.98	Nov. 19	43.07
Apr. 1, 1949	42.73	Feb. 1, 1950	43.73	Feb. 20	43.49	Jan. 30, 1952	42.87
May 3	42.74	Mar. 29	43.07	Mar. 23	42.84	Mar. 28	42.38
June 4	42.74	May 30	42.59	Apr. 17	42.70	May 17	42.31
July 6	42.65	June 21	43.07	May 22	42.46	Sept. 25	43.21
27	42.80	July 21	42.84	June 19	42.64	Mar. 13, 1953	42.86
Aug. 30	31.03	Aug. 29	43.69	July 17	42.65	Sept. 10	43.43
Sept. 29	32.37	Sept. 26	43.09	Aug. 21	42.85	June 9, 1954	42.96
Oct. 31	43.30	Oct. 31	43.18	Sept. 19	43.08	Sept. 20	43.60

23-60-10aad. French Ditch Irrigation Co. Drilled irrigation water-table well in sand and gravel of alluvium, diameter 24 inches, depth 50 feet. Land-surface datum is 4,030.8 feet above msl. Highest water level 5.94 below lsd, Sept. 27, 1950; lowest 8.14 below lsd, June 9, 1954. Records available: 1950-54.

Sept. 27, 1950	5.94	Mar. 23, 1951	7.94	Oct. 16, 1951	6.86	May 19, 1952	6.95
Oct. 31	7.71	Apr. 17	7.88	Nov. 16	7.29	Sept. 22	6.78
Nov. 29	7.84	May 22	7.17	Jan. 28, 1952	7.76	Mar. 13, 1953	7.74
Jan. 17, 1951	7.80	June 19	6.81	Mar. 31	7.73	June 9, 1954	8.14
Feb. 20	7.77	Aug. 21	6.13				

24-60-19bad. Frank Graham. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 32 feet. Land-surface datum is 4,071.2 feet above msl. Highest water level 10.19 below lsd, July 21, 1950; lowest 14.82 below lsd, Feb. 20, 1951. Records available: 1948-54. June 9, 13.88; Sept. 20, 12.06.

24-60-27cdd. Edgar Ginter. Drilled domestic and stock water-table well in sandstone of Chadron formation, diameter 6 inches, depth 73 feet, cased to 35. Land-surface datum is 4,185.1 feet above msl. Highest water level 7.90 below lsd, Sept. 22, 1952; lowest 23.30 below lsd, June 9, 1954. Records available: 1948-54. June 9, 23.30; Sept. 20, 20.50.

24-61-5cbb. University of Wyoming. Drilled irrigation water-table well in sand and gravel of alluvium, diameter 18 inches, depth 93 feet. Land-surface datum is 4,124.4 feet above msl. Highest water level 18.23 below lsd, Sept. 26, 1952; lowest 24.32 below lsd, Apr. 17, 1951. Records available: 1948-53. Measurement discontinued.

24-61-5cbc. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of alluvium, diameter 1 inch, depth 26 feet, cased to 26. Highest water level 19.34 below lsd, Sept. 26, 1952; lowest 24.29 below lsd, Mar. 28, 1952. Records available: 1951-54.

24-61-5cbc--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 17, 1951	20.14	Mar. 28, 1952	24.29	Mar. 13, 1953	23.93	June 9, 1954	23.39
Nov. 19	22.27	Sept. 26	19.34	Sept. 9	20.78	Sept. 20	21.62
Jan. 29, 1952	23.93						

24-61-10cdc. St. Joseph's Orphanage. Dug irrigation water-table well in sand and gravel of alluvium, diameter 7 feet, depth 36 feet, cribbed with concrete. Land-surface datum is 4,098.1 feet above msl. Highest water level 18.45 below lsd, Sept. 25, 1952; lowest 21.10 below lsd, June 9, 1954. Records available: 1948-54. June 9, 21.10; Sept. 20, 19.79.

24-61-15cdb. Yellowstone Potato Co. Drilled industrial water-table well in sand and gravel of alluvium, diameter 18 to 14 inches, depth 38 feet. Land-surface datum is 4,083.7 feet above msl. Highest water level 8.18 below lsd, Oct. 17, 1951; lowest 14.60 below lsd, Nov. 29, 1950. Records available: 1948-54. June 9, 11.37; Sept. 20, 10.14.

24-62-25ccb. U. S. Geol. Survey. Driven observation water-table well in silt, diameter 1/2 inch, depth 14 feet, cased to 14. Land-surface datum is 4,151.5 feet above msl. Highest water level 2.87 below lsd, Sept. 13, 1949; lowest 11.26 below lsd, May 22, 1951. Records available: 1949-54.

Apr. 28, 1949	9.30	Oct. 4, 1949	4.34	July 20, 1950	6.62	July 18, 1951	8.13
May 12	9.38	21	5.37	Aug. 7	6.21	Aug. 20	6.20
17	9.39	Nov. 21	6.67	30	j4.98	Sept. 20	5.24
26	8.24	Dec. 27	7.83	Sept. 15	5.22	Oct. 16	6.50
31	9.59	Feb. 2, 1950	8.81	22	3.61	Nov. 20	7.71
June 3	9.56	22	9.24	Oct. 30	6.89	Jan. 30, 1952	9.54
9	5.84	Mar. 22	9.72	Nov. 30	7.97	Mar. 28	10.31
16	5.99	May 5	10.21	Jan. 15, 1951	9.20	May 17	10.38
July 5	3.27	15	10.29	Feb. 19	9.97	Sept. 19	j1.32
12	4.62	19	10.35	Mar. 22	10.50	Mar. 13, 1953	8.85
26	6.10	31	8.46	Apr. 17	10.92	Sept. 9	5.70
Aug. 9	5.49	June 12	8.16	May 22	11.26	June 8, 1954	11.02
27	4.16	26	4.60	June 19	8.35	Sept. 20	9.07
Sept. 13	2.87	July 10	5.62				

j Water in adjacent canal.

25-62-19aac. Lester C. Stroud. Drilled irrigation water-table well in gravel of alluvium, diameter 18 inches, depth 83 feet, cased to 83. Land-surface datum is 4,172.4 feet above msl. Highest water level 18.07 below lsd, Sept. 26, 1952; lowest 25.48 below lsd, May 22, 1951. Records available: 1948-53. No measurement made in 1954.

25-62-36cad. W. W. Weckwerth. Driven irrigation water-table well in sand and gravel of alluvium, diameter 1 1/2 inches, depth 10 feet. Land-surface datum is 4,116.3 feet above msl. Highest water level 2.77 below lsd, Sept. 26, 1952; lowest 7.74 below lsd, Apr. 17, 1951. Records available: 1948-53. No measurement made in 1954.

25-63-9ccb. Emery Bright. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 61 feet. Land-surface datum is 4,196.8 feet above msl. Highest water level 16.34 below lsd, Sept. 26, 1952; lowest 23.82 below lsd, May 30, 1950. Records available: 1943, 1948-54. June 9, 22.43; Sept. 20, 20.63.

25-63-22aab. Greenwald Estate. Drilled irrigation water-table well in sand and gravel of alluvium, diameter 18 inches, depth 60 feet. Land-surface datum is 4,177.2 feet above msl. Highest water level 13.96 below lsd, Sept. 26, 1952; lowest 20.65 below lsd, Apr. 17, 1951. Records available: 1948-53. No measurement made in 1954.

26-62-14bba. Arthur Damrow. Drilled irrigation water-table well in gravel of alluvium, diameter 18 inches, depth 62 feet, cased to 62. Highest water level 12.09 below lsd, Sept. 26, 1952, Sept. 9, 1953; lowest 13.63 below lsd, Dec. 8, 1948. Records available: 1948-54. June 9, 12.19; Sept. 20, 12.26.

26-63-32dac. Joseph Spikner. Drilled irrigation water-table well in gravel of alluvium. diameter 18 inches, depth 80 feet, cased to 80. Land-surface datum is 4,204.6 feet above msl. Highest water level 17.97 below lsd, Sept. 26, 1952; lowest 24.64 below lsd, Apr. 17, 1951. Records available: 1948-54. June 9, 23.48; Sept. 20, 20.91.

26-64-28bbb. National Park Service. Drilled domestic water-table well in gravel of alluvium, diameter 18 inches, depth 29 feet, cased to 29. Highest water level 13.99 below lsd, June 21, 1952; lowest 17.10 below lsd, Nov. 29, 1949. Records available: 1948-54.

26-64-28bbb--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	16.48	Apr. 20	16.61	July 20	14.99	Sept. 21	15.69
Feb. 20	16.56	May 20	15.00	Aug. 24	15.37	Dec. 20	15.86
Mar. 20	16.60	June 19	15.42				

26-64-29ada. National Park Service. Dug observation water-table well in sand and gravel of alluvium, diameter 36 inches, depth 43 feet, cribbed with rock. Highest water level 16.12 below lsd, July 10, 1947; lowest 19.17 below lsd, Feb. 20, 1954. Records available: 1942-43, 1946-54.

Jan. 20	18.70	Apr. 20	18.76	July 20	17.84	Sept. 21	18.25
Feb. 20	19.17	May 20	18.32	Aug. 24	18.07	Dec. 20	18.18
Mar. 20	18.66	June 19	18.07				

26-65-11baa. U. S. Bureau of Reclamation. Drilled domestic water-table well in gravel of alluvium, diameter 6 inches, depth 28 feet. Land-surface datum is 4,270.8 feet above msl. Highest water level 12.19 below lsd, July 21, 1950; lowest 20.17 below lsd, Jan. 29, 1952. Records available: 1948-54. June 9, 17.93; Sept. 20, 17.47.

Hot Springs County

43-96-7ccc. U. S. Geol. Survey. Jetted unused water-table well in terrace deposits, diameter 3/4 inch, depth 12 feet, screen 11-12. Land-surface datum is 4,921.9 feet above msl. Highest water level 2.44 below lsd, June 29, 1951; lowest 11.02 below lsd, Sept. 22, 1954. Records available: 1951-54. Sept. 22, 11.02.

43-96-14bda. Leonard Thorton. Drilled unused artesian well, diameter 6 inches, depth 44 feet. Land-surface datum is 4,698.6 feet above msl. Highest water level 15.53 below lsd, July 30, 1947; lowest 28.65 below lsd, Mar. 29, 1950. Records available: 1946-54. May 19, 25.44; Sept. 22, 27.59.

A-8-4-10dcc. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter 3/4 inch, depth 15 feet, screen 14-15. Land-surface datum is 4,780.2 feet above msl. Highest water level 9.23 below lsd, May 31, 1951; lowest 12.23 below lsd, Sept. 22, 1954. Records available: 1951-54. May 19, 11.04; Sept. 22, 12.23.

A-9-1-36ccc. D. B. Whetstone. Drilled unused water-table well in alluvium, diameter 28 inches, depth 21 feet, cased to 21. Land-surface datum is 5,764.6 feet above msl. Highest water level 6.30 below lsd, May 13, 1947; lowest 8.75 below lsd, Sept. 22, 1954. Records available: 1946-54. May 19, 7.29; Sept. 22, 8.75.

A-9-2-35aab. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter 3/4 inch, depth 13 feet, screen 12-13. Land-surface datum is 5,384.2 feet above msl. Highest water level 3.86 below lsd, June 29, 1951; lowest 10.93 below lsd, Apr. 1, 1953. Records available: 1951-54. May 19, 9.99. Measurement discontinued.

Laramie County

12-61-3abb. H. E. Anderson. Drilled irrigation water-table well in gravel of terrace deposits, diameter 24 inches, depth 110 feet, cased to 110. Highest water level 31.08 below lsd, Dec. 4, 1950; lowest 35.20 below lsd, Apr. 3, 1953. Records available: 1945-54. June 1, 31.65; Sept. 16, 31.80.

12-63-3baa. Roy L. Gasurant. Dug unused water-table well in siltstone of Brule formation, diameter 8 feet, depth 49 feet, cribbed partly with wood. Land-surface datum is 5,411.6 feet above msl. Highest water level 40.31 below lsd, May 31, 1950; lowest 47.92 below lsd, Aug. 28, 1942. Records available: 1942-54. June 1, 43.81; Sept. 16, 43.80.

13-60-8cbb. Herbert Campbell. Drilled irrigation water-table well in siltstone of Brule formation, diameter 20 inches, depth 78 feet. Land-surface datum is 5,126.4 feet above msl. Highest water level 25.88 below lsd, Apr. 1, 1952; lowest 51.05 below lsd, Oct. 8, 1954. Records available: 1940-54. June 1, 35.12; Sept. 16, 43.72; Oct. 8, 51.05.

13-60-31aa. W. T. Young, Jr. Drilled irrigation water-table well in siltstone of Brule formation, diameter 20 inches, depth 100 feet. Land-surface datum is 5,184.8 feet above msl. Highest water level 35.56 below lsd, May 21, 1942; lowest 43.62 below lsd, Aug. 2, 1949. Records available: 1940-54. June 1, 37.19; Sept. 16, 41.95.

13-68-3bba. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 10 to 8 inches, depth 187 feet, cased to 181. Land-surface datum is 6,555.5 feet above msl. Highest water level 77.59 below lsd, June 27, 1945; lowest 111.95 below lsd, Sept. 24, 1954. Records available: 1944-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	105.85	Mar. 27	102.97	Sept. 24	111.95	Dec. 2	109.94
Feb. 26	103.22	June 5	107.55	Oct. 29	111.65	29	109.97

13-68-4aad. City of Cheyenne. Drilled unused water-table well in sand and gravel of Ogallala formation, diameter 10 to 8 inches, depth 202 feet, cased to 202. Land-surface datum is 6,569.1 feet above msl. Highest water level 71.79 below lsd, May 29, 1944; lowest 112.94 below lsd, Dec. 29, 1954. Records available: 1944-54.

Jan. 29	97.70	May 6	102.08	Aug. 28	109.09	Dec. 9	112.68
Mar. 6	100.18	28	100.42	Sept. 24	110.00	29	112.94
27	99.65	July 1	104.98				

13-68-4acd. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 10 to 8 inches, depth 255 feet, cased to 248. Land-surface datum is 6,596.0 feet above msl. Highest water level 98.23 below lsd, May 23, 1945; lowest 128.60 below lsd, Oct. 29, 1954. Records available: 1944-54.

Feb. 7	123.75	Mar. 27	121.91	July 1	125.80	Dec. 2	128.45
26	123.36	May 28	124.45	Oct. 29	128.60	29	127.80

13-68-4cbd. City of Cheyenne. Drilled municipal water-table well in gravel of Ogallala formation, diameter 12 inches, depth 230 feet. Land-surface datum is 6,673.81 feet above msl. Highest water level 169.28 below lsd, Feb. 26, 1946; lowest 205.98 below lsd, Aug. 28, 1954. Records available: 1945-48, 1950-54. Feb. 7, 195.82; Mar. 6, 196.58; May 6, 197.85; May 28, 196.68; Aug. 28, 205.98; Sept. 24, 201.76; Dec. 8, 203.43.

13-68-4dcc. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 10 to 8 inches, depth 200 feet, cased to 184. Land-surface datum is 6,623.8 feet above msl. Highest water level 117.70 below lsd, Mar. 23, 1945; lowest 143.80 below lsd, Dec. 8, 1954. Records available: 1944-48, 1950-54.

Feb. 7	139.40	May 6	139.50	July 6	141.76	Sept. 24	143.59
Mar. 6	142.29	June 5	140.90	Aug. 28	142.22	Dec. 8	143.80

13-68-14cbd. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 10 inches, depth 210 feet. Land-surface datum is 6,560.8 feet above msl. Highest water level 41.89 below lsd, Sept. 17, 1945; lowest 59.84 below lsd, July 30, 1954. Records available: 1945-54.

Jan. 29	55.85	May 6	57.15	July 30	59.84	Dec. 3	59.05
Feb. 26	54.84	June 5	57.88	Oct. 29	59.29	29	59.10
Mar. 27	56.96	July 6	59.05				

13-68-16dbd. City of Cheyenne. Drilled observation water-table well in gravel of Ogallala formation, diameter 10 to 8 inches, depth 300 feet. Land-surface datum is 6,641.9 feet above msl. Highest water level 104.16 below lsd, Nov. 30, 1949; lowest 124.75 below lsd, Sept. 29, 1954. Records available: 1949-54.

Jan. 29	118.05	May 6	119.24	July 30	120.45	Dec. 3	121.85
Feb. 26	117.46	June 5	119.53	Sept. 29	124.75	29	122.08
Mar. 27	118.54	July 1	120.21	Oct. 29	121.74		

14-60-5bcc. C. C. Gross. Drilled irrigation water-table well in siltstone of Brule formation, diameter 20 inches, depth 100 feet. Highest water level 23.83 below lsd, June 16, 1949; lowest 36.44 below lsd, Sept. 4, 1950. Records available: 1943-54. June 1, 33.34; Sept. 16, 35.60.

14-60-11bcc1. M. L. Larson. Drilled irrigation water-table well in sand and gravel of alluvium, diameter 24 inches, reported depth 60 feet, cased to 60. Highest water level 8.47 below lsd, Oct. 29, 1945; lowest 26.65 below lsd, May 31, 1950. Records available: 1943-54. Sept. 16, 18.90.

14-60-28bb. Herbert Campbell. Drilled irrigation water-table well in siltstone of Brule formation, diameter 20 inches, depth 96 feet. Land-surface datum is 5,092.4 feet above msl. Highest water level 20.08 below lsd, June 10, 1943; lowest 34.60 below lsd, Sept. 16, 1954. Records available: 1940-54. Sept. 16, 34.60.

14-62-24ad. Union Pacific Railroad Co. Dug industrial water-table well in siltstone of Brule formation, diameter 16 feet, depth 36 feet, cribbed with rock to 36. Land-surface datum is 5,285.2 feet above msl. Highest water level 27.80 below lsd, July 20, 1942; lowest 32.34 below lsd, Oct. 9, 1950. Records available: 1940-54. June 1, 31.26; Sept. 16, 31.95.

14-66-31bdd. City of Cheyenne. Drilled observation water-table well in sand and gravel of Ogallala formation, diameter 12 inches, depth 258 feet. Land-surface datum is 6,089 feet above msl. Highest water level 9.23 below lsd, Oct. 29, 1954; lowest 13.76 below lsd, Nov. 27, 1943. Records available: 1942-45, 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	12.14	May 6	12.19	Aug. 5	9.48	Oct. 29	9.23
Mar. 6	12.07	28	12.07	Sept. 2	9.39	Dec. 9	12.37
29	12.39	July 1	9.83	29	9.33	29	12.48

14-68-14cba. City of Cheyenne. Drilled observation water-table well in sand and gravel of alluvium, diameter 12 inches, depth 188 feet. Land-surface datum is 6,300 feet above msl. Highest water level 7.09 below lsd, Feb. 26, 1944; lowest 13.61 below lsd, Dec. 29, 1954. Records available: 1941-48, 1950-54.

Jan. 29	9.89	May 6	9.65	July 30	10.43	Oct. 29	12.71
Mar. 6	9.79	28	9.62	Aug. 28	12.12	Dec. 3	13.38
27	9.73	July 1	10.37	Sept. 29	12.64	29	13.61

14-68-23ddc. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 10 inches, depth 248 feet. Land-surface datum is 6,389.2 feet above msl. Highest water level 23.63 below lsd, Sept. 4, 1941; lowest 71.69 below lsd, Sept. 2, 1954. Records available: 1940-47, 1949-54.

Jan. 29	64.85	May 28	68.95	Sept. 29	69.74	Dec. 3	68.56
Feb. 26	64.35	July 1	67.68	Oct. 29	68.92	29	68.41
May 6	63.79	Sept. 2	71.69				

14-68-25dda. City of Cheyenne. Drilled municipal water-table well in gravel of Ogallala formation, diameter 12 inches, depth 368 feet. Land-surface datum is 6,376.4 feet above msl. Highest water level 32.10 below lsd, Jan. 28, 1946; lowest 53.58 below lsd, Sept. 1, 1952. Records available: 1941-54.

Jan. 29	44.50	May 6	44.93	Aug. 5	50.36	Dec. 3	52.58
Mar. 6	49.05	June 5	48.80	Sept. 29	48.84	29	49.44
Apr. 2	46.13	July 1	46.47				

14-68-26cbc1. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 10 inches, depth 220 feet. Land-surface datum is 6,438.0 feet above msl. Highest water level 10.58 below lsd, Mar. 11, 1940; lowest 49.94 below lsd, Dec. 29, 1954. Records available: 1940-54.

Jan. 29	44.13	May 6	44.91	Sept. 2	47.99	Oct. 29	48.21
Mar. 6	44.47	June 5	45.99	24	49.01	Dec. 29	49.94
27	43.92	30	47.39				

14-68-27dcc. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 10 inches, depth 250 feet. Land-surface datum is 6,482.9 feet above msl. Highest water level 29.81 below lsd, Nov. 11, 1940; lowest 74.70 below lsd, Dec. 9, 1954. Records available: 1940, 1942-54. Feb. 7, 66.75; Mar. 6, 64.10; Apr. 2, 66.59; May 28, 67.22; July 1, 68.13; Aug. 28, 69.89; Dec. 9, 74.70.

14-68-33abc. City of Cheyenne. Drilled municipal water-table well in gravel of Ogallala formation, diameter 10 inches, depth 230 feet. Land-surface datum is 6,569.8 feet above msl. Highest water level 120.16 below lsd, Feb. 11, 1950; lowest 150.25 below lsd, Aug. 28, 1954. Records available: 1947-54.

Jan. 29	141.82	May 6	143.00	Aug. 28	150.25	Oct. 29	146.50
Feb. 26	143.06	28	142.89	Sept. 24	146.58	Dec. 9	149.55
Mar. 27	141.87	July 1	143.64				

14-68-33dcc. City of Cheyenne. Drilled municipal water-table well in gravel of Ogallala formation, diameter 10 inches, depth 225 feet. Land-surface datum is 6,634.00 feet above msl. Highest water level 139.34 below lsd, Apr. 28, 1947; lowest 176.76 below lsd, Dec. 8, 1954. Records available: 1945-48, 1950-54. Feb. 7, 167.25; Feb. 26, 167.50; Mar. 27, 166.98; May 28, 168.85; Dec. 8, 176.76.

14-68-34aab. City of Cheyenne. Drilled municipal water-table well in gravel of Ogallala formation, diameter 10 inches, depth 233 feet. Land-surface datum is 6,469.1 feet above msl. Highest water level 19.79 below lsd, Nov. 14, 1940; lowest 63.17 below lsd, Dec. 9, 1954. Records available: 1940, 1942-54. Feb. 7, 56.65; Mar. 6, 59.32; Apr. 2, 56.96; May 28, 57.52; July 1, 58.52; Aug. 28, 60.40; Dec. 9, 63.17.

14-68-34ddd. City of Cheyenne. Drilled municipal water-table well in gravel of Ogallala formation, diameter 10 inches, depth 230 feet, cased to 224. Land-surface datum is 6,542.0 feet above msl. Highest water level 84.64 below lsd, Apr. 1, 1950; lowest 119.46 below lsd, Dec. 2, 1954. Records available: 1944-48, 1950-54. Jan. 29, 111.05; Feb. 26, 107.10; Mar. 27, 107.82; May 28, 114.35; Dec. 2, 119.46.

14-68-35cac. City of Cheyenne. Drilled municipal water-table well in gravel of Ogallala formation, diameter 12 inches, depth 235 feet. Land-surface datum is 6,516.8 feet above msl. Highest water level 74.18 below lsd, Sept. 24, 1945; lowest 108.70 below lsd, Sept. 24, 1954. Records available: 1945-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	96.06	May 6	102.89	Aug. 5	106.28	Dec. 9	103.73
Feb. 26	93.85	July 6	103.82	Sept. 24	108.70	29	107.42
Mar. 27	95.10						

14-68-36acc. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 10 inches, depth 188 feet, cased to 188. Land-surface datum is 6,409.1 feet above msl. Highest water level 17.54 below lsd, Oct. 16, 1941; lowest 43.59 below lsd, Sept. 23, 1952. Records available: 1941-54.

Jan. 29	37.72	May 6	38.80	Aug. 5	41.59	Oct. 29	41.64
Feb. 26	37.14	June 5	42.72	Sept. 24	42.54	Dec. 29	40.49
Mar. 27	38.87	July 1	39.62				

14-68-36adb. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 12 inches, depth 152 feet. Land-surface datum is 6,365.5 feet above msl. Highest water level 8.58 below lsd, May 20, 1942; lowest 36.20 below lsd, Oct. 29, 1954. Records available: 1941-54.

Jan. 29	30.49	May 6	32.00	July 30	35.25	Oct. 29	36.20
Feb. 26	30.88	July 1	33.62	Sept. 24	35.45	Dec. 29	34.52
Mar. 27	33.03						

14-68-36bca. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 12 inches, depth 214 feet, cased to 193. Land-surface datum is 6,428.0 feet above msl. Highest water level 10.86 below lsd, June 10, 1941; lowest 62.04 below lsd, Aug. 29, 1952. Records available: 1941-54.

Jan. 29	40.25	Mar. 27	41.20	July 1	44.86	Oct. 29	49.11
Feb. 26	39.26	May 6	41.98	Aug. 5	45.69	Dec. 29	45.79

18-67-28cac. Ernest Nimmo. Dug domestic water-table well in gravel of alluvium, diameter 6 feet, depth 50 feet, cribbed with rock. Highest water level 4.69 below lsd, Apr. 4, 1952; lowest 12.66 below lsd, May 18, 1954. Records available: 1949-54. May 18, 12.66; Aug. 6, 10.62; Sept. 20, 11.25; Nov. 10, 12.25.

Natrona County

29-86-19cc. James Grieves (Dumbell Ranch). Drilled stock water-table well in alluvium, diameter 6 inches, depth 20 feet. Highest water level 5.89 below lsd, Sept. 15, 1949; lowest 9.77 below lsd, Mar. 20, 1954. Records available: 1942-43, 1946-54.

Jan. 6	9.24	Apr. 19	9.53	July 13	7.66	Oct. 15	8.99
Feb. 10	9.49	May 5	9.33	Aug. 16	6.40	Nov. 9	9.23
Mar. 20	9.77	June 2	6.61	Sept. 13	8.20	Dec. 14	9.44

29-87-33ca. State of Wyoming. Drilled observation water-table well in alluvium, diameter 2 inches, depth 9 feet, cased to 9. Highest water level 3.00 below lsd, June 21, 1950; lowest 9.19 below lsd, July 13, 1954. Records available: 1942-43, 1946-54.

29-87-33ca--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	6.39	Apr. 19	6.23	July 13	9.19	Oct. 15	6.70
Feb. 10	6.31	May 5	6.22	Aug. 16	6.54	Nov. 9	6.66
Mar. 21	6.26	June 2	5.94	Sept. 13	6.64	Dec. 14	6.59

Platte County

23-68-7bcb. G. H. Rhoades. Dug unused water-table well in gravel of terrace deposits, diameter 4 feet, depth 11 feet, cribbed with wood to 11. Highest water level 2.85 below lsd, Mar. 19, 1953; lowest 6.57 below lsd, Sept. 4, 1953. Records available: 1948-54. May 18, 6.25.

23-68-10ddd. School District. Drilled unused water-table well in gravel of terrace deposits, diameter 5 inches, depth 31 feet. Highest water level 11.03 below lsd, July 22, 1952; lowest 22.42 below lsd, Nov. 10, 1954. Records available: 1948-54. May 18, 20.17; Aug. 6, 21.34; Sept. 24, 22.13; Nov. 10, 22.42.

23-68-19aba. L. L. Bowen. Dug and driven unused water-table well in gravel of terrace deposits, diameter 4 feet, depth 15 feet, cribbed with rock and steel. Highest water level 5.24 below lsd, June 23, 1952; lowest 14.34 below lsd, Aug. 6, 1954. Records available: 1948-54.

Aug. 24, 1948	7.61	Mar. 27, 1951	8.86	July 22, 1952	7.70	May 21, 1953	8.77
Oct. 13	7.34	May 22	8.26	Aug. 25	7.34	July 14	8.57
Dec. 7	7.68	July 24	7.43	Sept. 25	7.77	Sept. 4	9.01
Mar. 3, 1949	8.34	Sept. 20	7.67	Oct. 20	7.22	Nov. 3	9.41
Apr. 28	8.65	Nov. 19	7.67	Dec. 3	7.62	May 18, 1954	10.53
Aug. 15, 1950	7.35	Jan. 24, 1952	8.34	Jan. 23, 1953	7.89	Aug. 6	14.34
Sept. 19	7.54	Apr. 4	8.42	Mar. 3	8.53	Sept. 24	13.70
Nov. 14	8.09	May 26	7.47	19	7.99	Nov. 10	13.30
Jan. 23, 1951	8.55	June 23	5.24	Apr. 28	8.35		

24-68-6abb. Verne Cook. Dug unused water-table well in gravel of terrace deposits, diameter 36 inches, depth 3 feet, cribbed with galvanized steel to 3. Highest water level 0.76 below lsd, July 24, 1951; lowest dry at 8.50, Sept. 24, Nov. 10, 1954. Records available: 1948-54. May 18, 5.88; Aug. 6, 6.53; Sept. 24, dry at 8.50; Nov. 10, dry at 8.50.

24-68-11cdd. A. F. Bowen. Dug unused water-table well in sand and gravel of terrace deposits, diameter 36 inches, depth 16 feet, cribbed with rock. Highest water level 0.90 below lsd, July 22, 1949; lowest 4.20 below lsd, Sept. 4, 1953. Records available: 1948-53. Measurement discontinued.

24-68-19dcc. Homer Cochran. Drilled stock water-table well in sand and gravel of terrace deposits, diameter 6 inches, depth 16 feet. Highest water level 1.35 below lsd, July 24, 1950; lowest 17.27 below lsd, Nov. 10, 1954. Records available: 1948-54. May 18, 17.20, pumping; Aug. 6, 14.93; Sept. 24, 15.82; Nov. 10, 17.27.

25-67-27ccc. Lester Cobb. Drilled stock water-table well in undivided sediments of Tertiary age, diameter 6 inches, depth 150 feet. Highest water level 73.51 below lsd, Jan. 23, 1953; lowest 90.77 below lsd, Sept. 20, 1951. Records available: 1948-54. May 18, 77.75, pumping; Aug. 6, 78.74; Sept. 24, 79.68; Nov. 10, 81.16.

25-67-31ccc. E. T. Hall. Dug and drilled domestic water-table well in gravel of terrace deposits, diameter 36 inches, depth 28 feet, cribbed with concrete. Highest water level 9.70 below lsd, June 23, 1952; lowest 24.23 below lsd, Aug. 6, 1954. Records available: 1948-54. May 18, 21.73; Aug. 6, 24.23; Sept. 24, 24.17; Nov. 10, 23.42.

27-68-30acc. M. L. Coleman. Drilled irrigation water-table well in sand and gravel of alluvium, diameter 4 inches, depth 22 feet, cased to 17. Highest water level 6.22 below lsd, June 23, 1952; lowest 10.47 below lsd, Sept. 20, 1954. Records available: 1948-54. May 18, 9.88; Aug. 6, 10.39; Sept. 20, 10.47; Nov. 10, 10.17.

28-68-27abb. D. W. Brown. Drilled unused water-table well in sandstone of Brule formation, diameter 6 inches, depth 58 feet, cased to 12. Highest water level 22.64 below lsd, Mar. 27, 1951; lowest 31.18 below lsd, Sept. 16, 1949. Records available: 1949-54. May 18, 28.30; Aug. 6, 28.23; Sept. 20, 30.45; Nov. 10, 29.57.

28-68-27abc. D. W. Brown. Dug domestic and irrigation water-table well in gravel of alluvium, size 4 by 5 feet, depth 12 feet, cribbed with wood and rock. Highest water level 3.05 below lsd, Nov. 16, 1949; lowest 8.76 below lsd, Sept. 16, 1949. Records available: 1949-54. May 18, 3.50; Nov. 10, 3.62.

29-68-21bbb. Clark Coleman. Drilled stock water-table well in sandstone of Brule formation, diameter 6 inches, depth 94 feet, cased to 45. Highest water level 26.45 below lsd, May 26, 1952; lowest 38.55 below lsd, Nov. 10, 1954. Records available: 1948-54. May 18, 31.74; Aug. 6, 35.35; Sept. 20, 38.20; Nov. 10, 38.55.

29-68-21dad. Hauf Bros. Drilled domestic water-table well in sand and gravel of alluvium, diameter 6 inches, depth 58 feet, cased to 15. Highest water level 5.94 below lsd, Oct. 27, 1949; lowest 11.89 below lsd, Mar. 28, 1950. Records available: 1948-54. May 18, 9.12; Aug. 6, 9.08; Sept. 20, 9.09; Nov. 10, 9.27.

Sublette County

35-111-8db. Robert Albert. Dug observation water-table well in alluvium, size 10 by 10 feet to 14 feet, diameter 4 by 4 feet to 32 feet, depth 32 feet, cribbed with concrete to 32. Highest water level 20.92 below lsd, July 23, 1952; lowest 29.78 below lsd, May 12, 1945. Records available: 1942-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	28.22	Apr. 20	29.35	July 14	24.38	Nov. 15	26.80
Feb. 10	28.66	May 11	29.06	Oct. 15	25.80	Dec. 15	27.83
Mar. 23	29.10	June 11	26.97				

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