Water Levels and Artesian Pressures in Observation Wells in the United States 1953

Part 5. Northwestern States

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

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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 personnel of the Water Resources Division under the direction of:

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WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS IN THE UNITED STATES IN 1953

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 1953.

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

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, evapotranspiration 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 approximately 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 immediately preceding 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 United States 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.

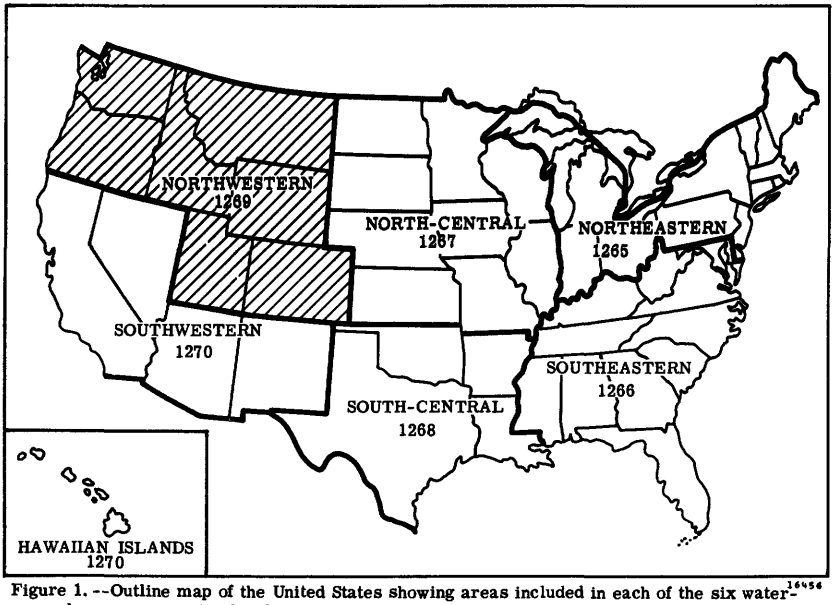


Figure 1. --Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1953. The shaded area indicates the States included in this volume. 16456

Penn Livingston had general charge of the nationwide observation-well program; Verda M. Dougherty assembled and edited the reports.

COLORADO

By V. M. Burtis

Scope of Water-Level Program

The observation-well program in Colorado was continued in 1953 in cooperation with the Colorado Water Conservation Board and the Colorado Agricultural Experiment Station. In 1953, measurements were made in 245 wells, 4 of which were equipped with recording gages. Water levels in 141 wells were measured by W. E. Code of the Agricultural Experiment Station. (See figs. 2-9.)

Precipitation

Precipitation in Colorado was slightly above normal in May, July, August, and November but was below normal during the remainder of the year. The weighted average precipitation in Colorado during the year was 14.15 inches which is 3.12 inches below normal. The drought continued in southeastern Colorado, although there were local heavy storms during July and August.

Interpretation of Water-Level Fluctuations

Water levels remained about normal in the South Platte, Arkansas, and San Luis Valleys and in the High Plains. Water levels continued to decline at a serious rate in the heavily pumped valleys tributary to the South Platte. There were local declines of several feet in Beaver, Bijou, Kiowa, and Boxelder Valleys.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first letter in a well number gives the quadrant of the meridian and base-line 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 sixth principal meridian and fortieth parallel base-line system. The first numeral of a well number indicates the township, the second the range, and the third the section. The lowercase letters a, b, c, and d following the section number locate the well within the section. The first letter denotes the quarter section, the second letter the quarter-quarter section, and the third letter the quarter-quarter-quarter section.

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 29.49 below lsd, Oct. 23, 1953. Records available: 1940-53. Apr. 16, 26.50; Oct. 23, 29.49.

C-1-60-17dcc. Carl Sanden. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 87 feet. Land-surface datum is 4,830.6 feet above msl. Highest water level 25.09 below lsd, Nov. 19, 1942; lowest 39.40 below lsd, Oct. 16, 1952. Records available: 1942-53. Apr. 16, 33.25; Oct. 23, 37.49.

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, 1941-53. Apr. 16, 31.67; Oct. 23, 35.77.

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 47.08 below lsd, Oct. 30, 1946. Records available: 1946-52. No measurement made in 1953.

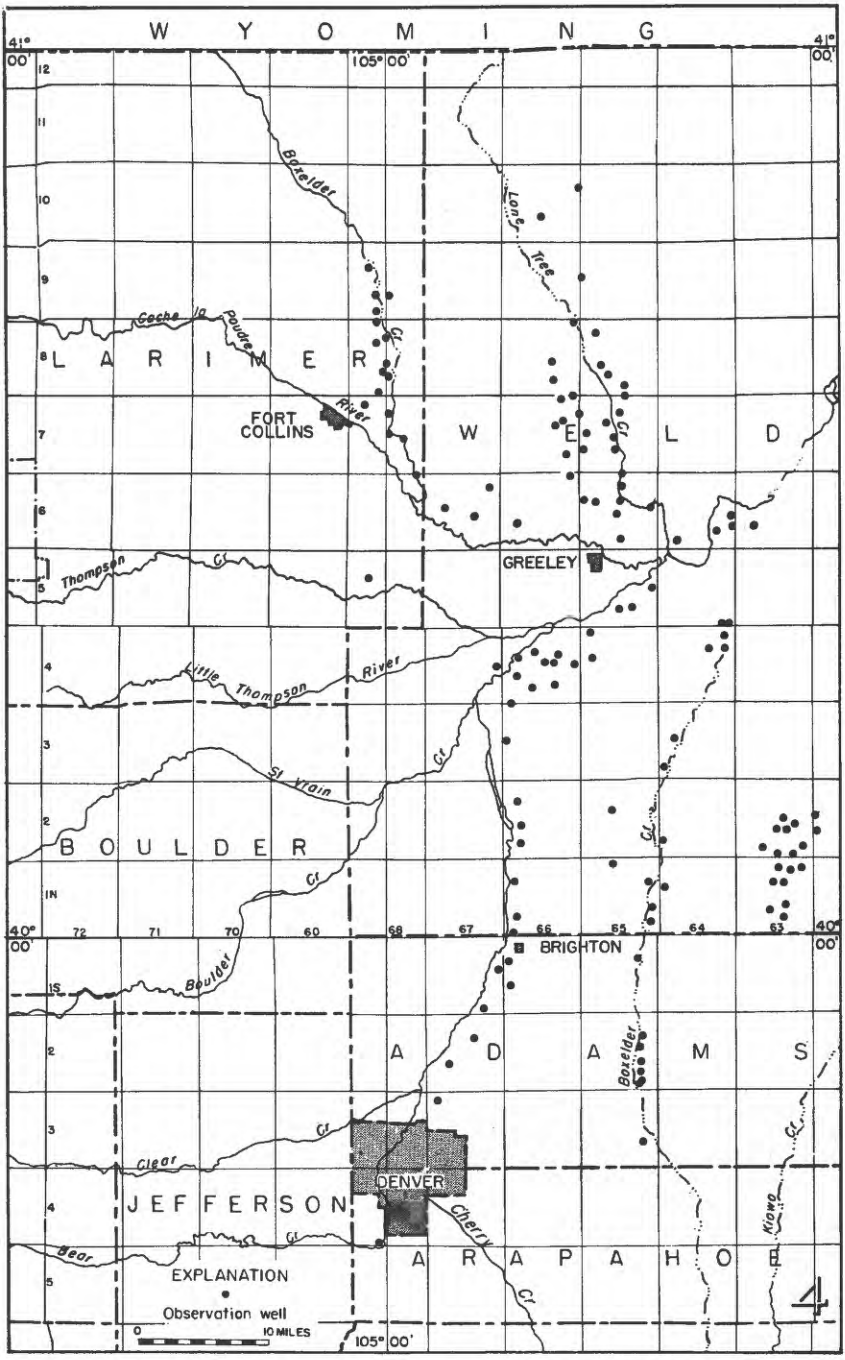


Figure 2. --Location of observation wells in Adams, Arapahoe, Larimer, and Weld Counties, Colo., 1953.

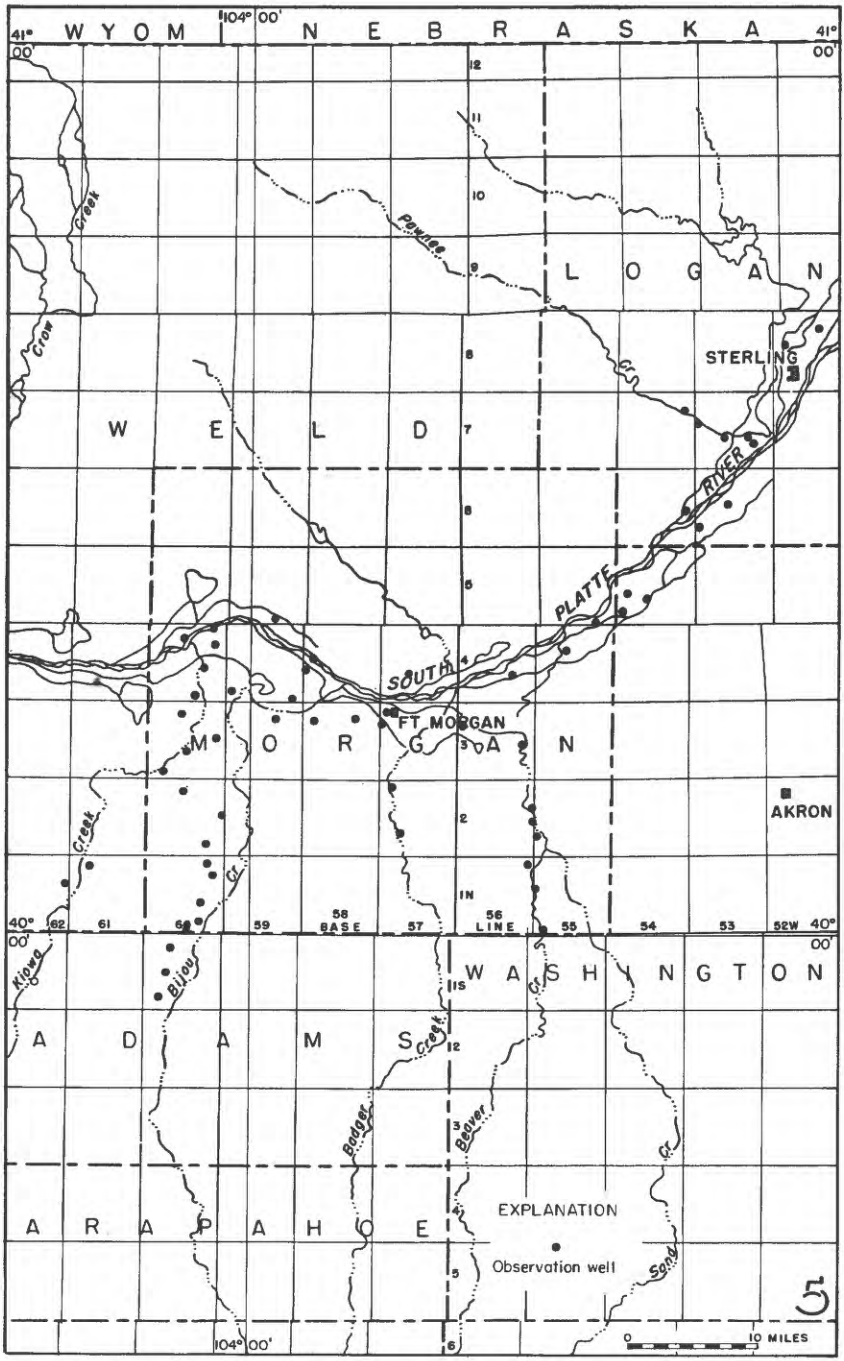


Figure 3. --Location of observation wells in Adams, Logan, Morgan, and Washington Counties, Colo., 1953.

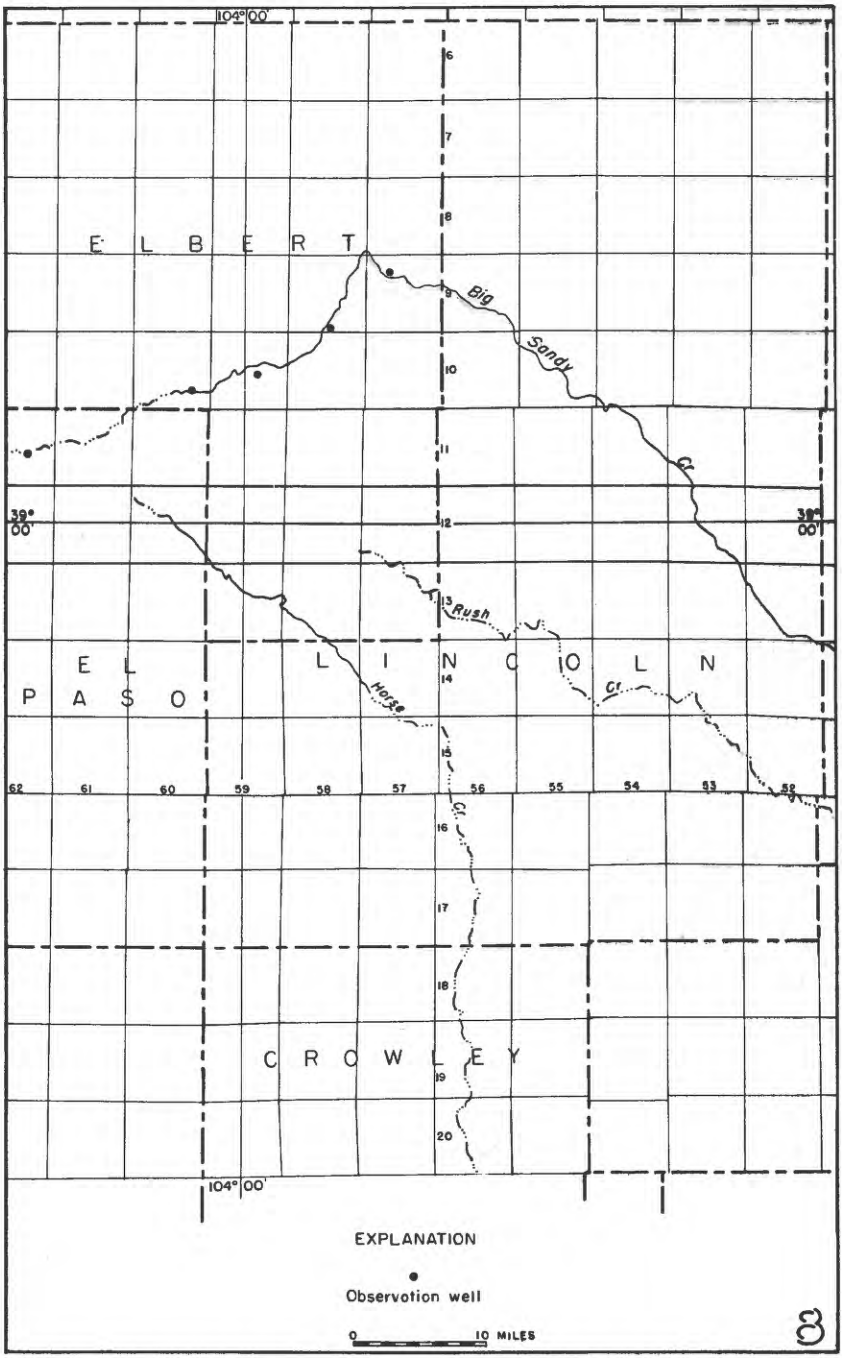


Figure 4. --Location of observation wells in Elbert and El Paso Counties, Colo., 1953.

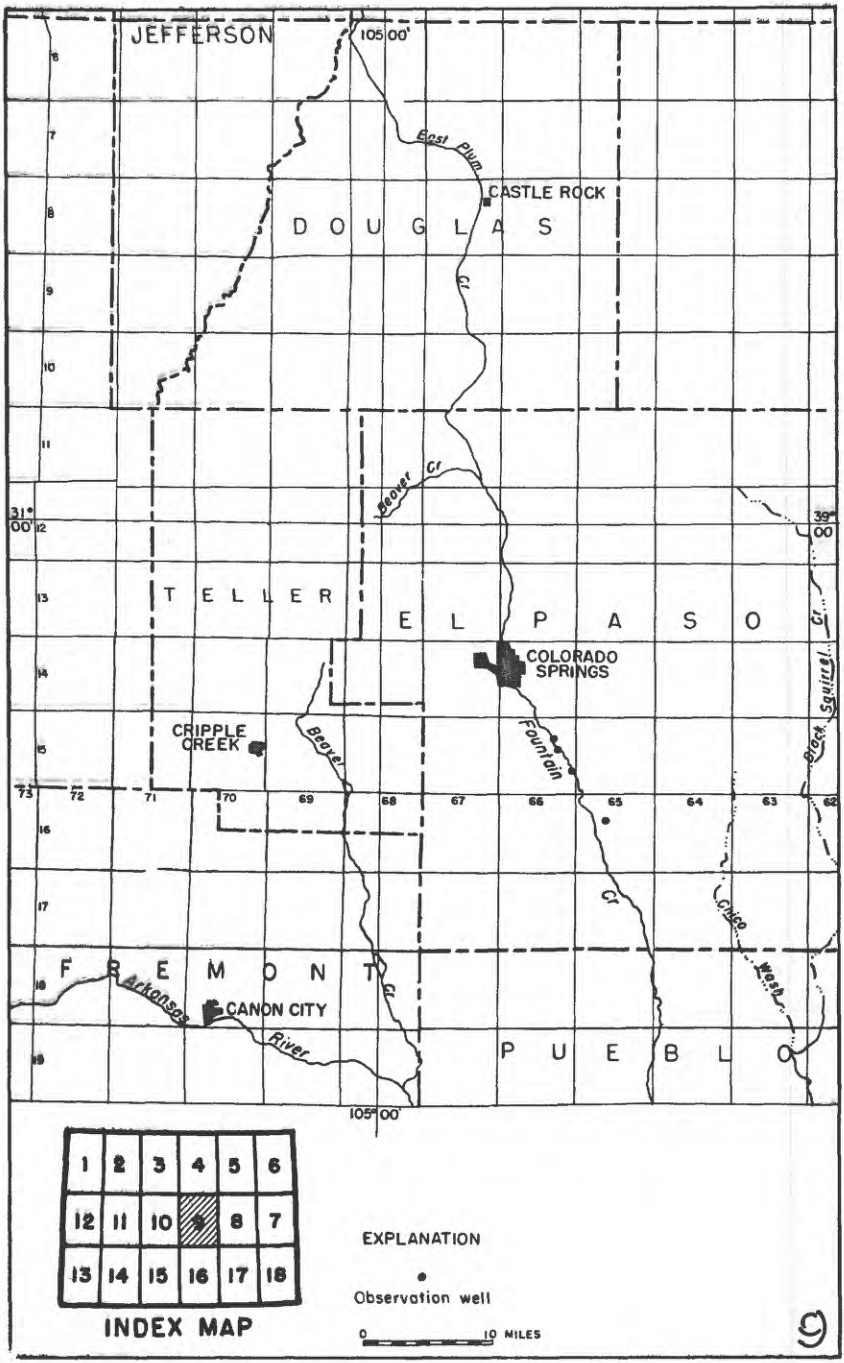


Figure 5.--Location of observation wells in El Paso County, Colo., 1953.

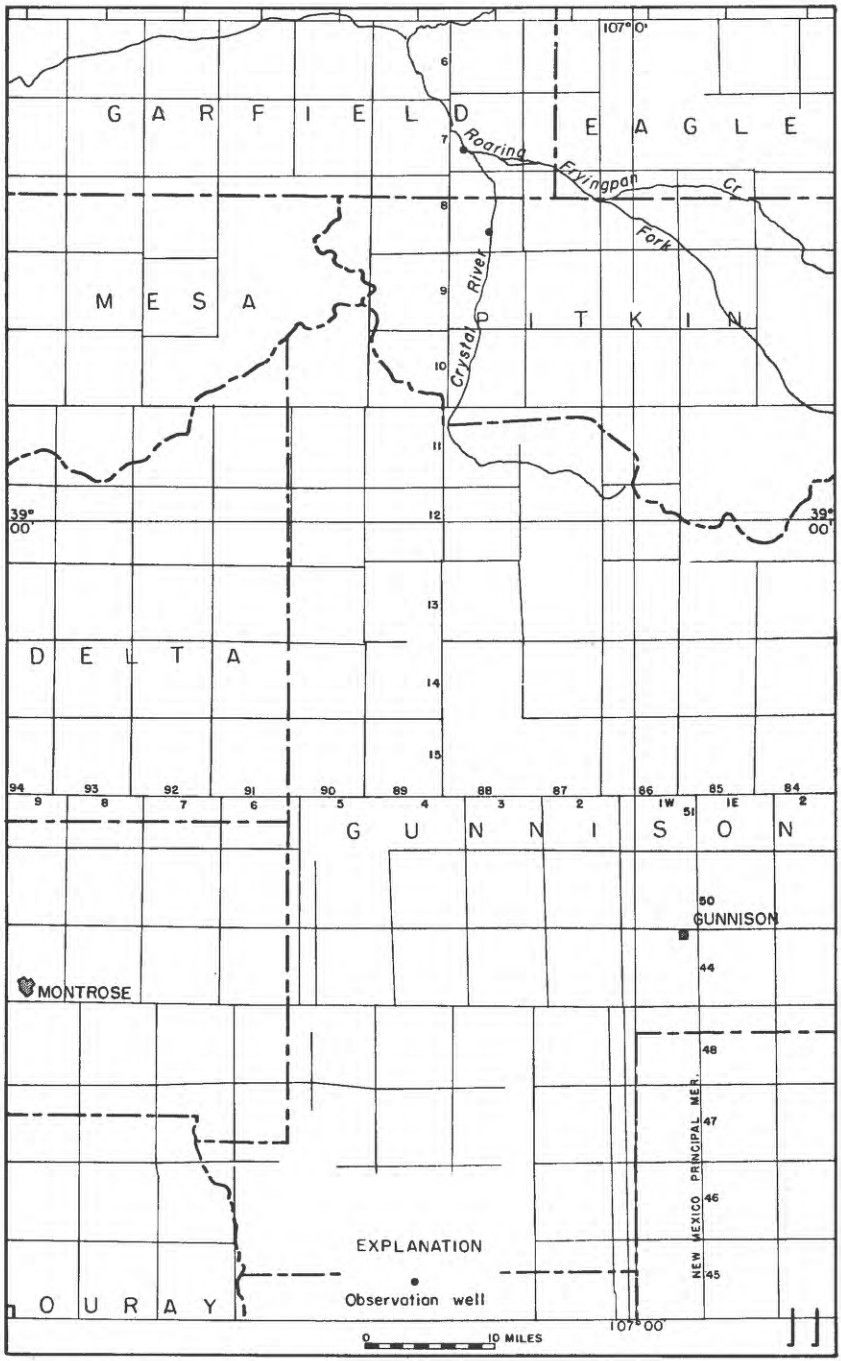


Figure 6. --Location of observation wells in Garfield and Pitkin Counties, Colo., 1953.

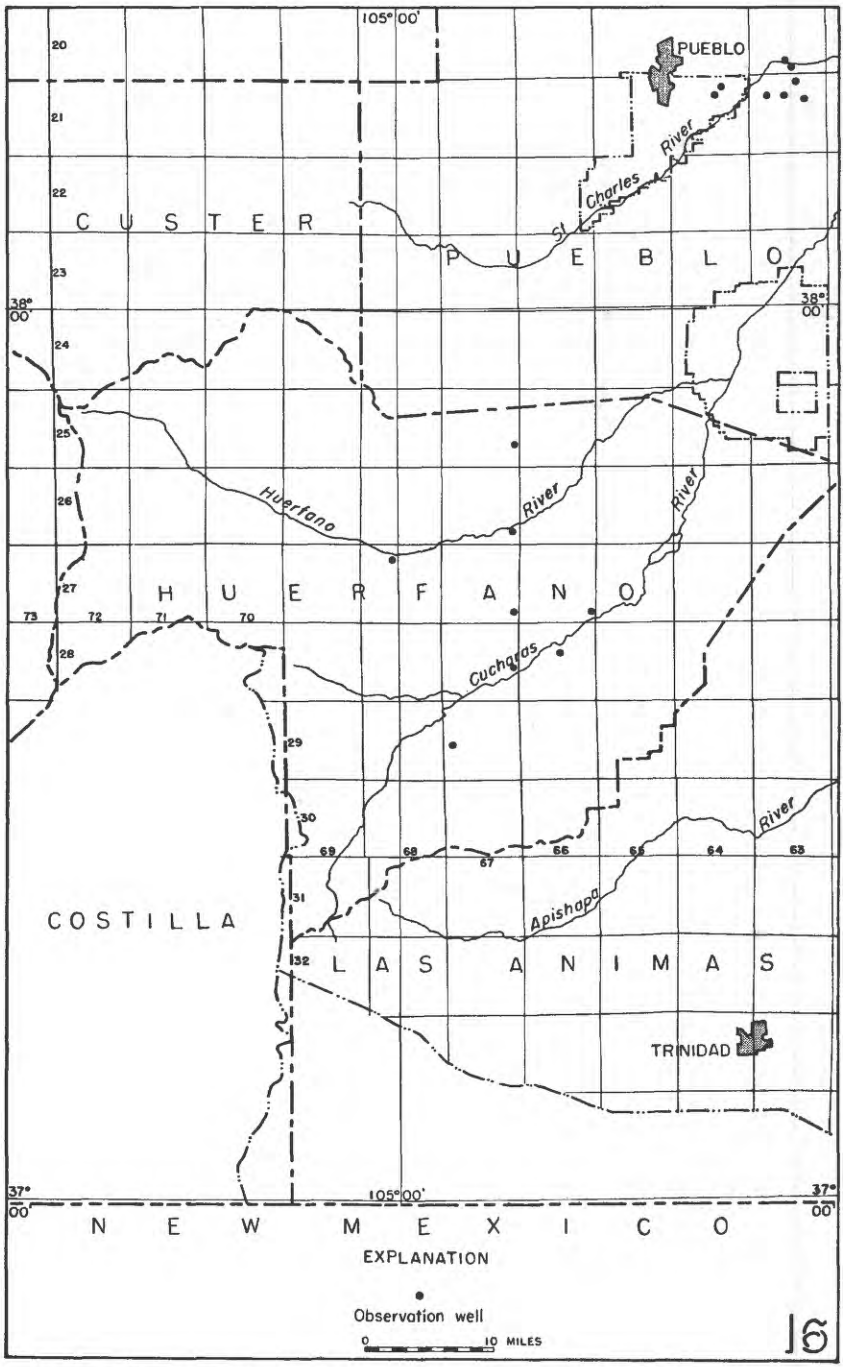


Figure 7. --Location of observation wells in Huerfano and Pueblo Countiss, Colo., 1953.

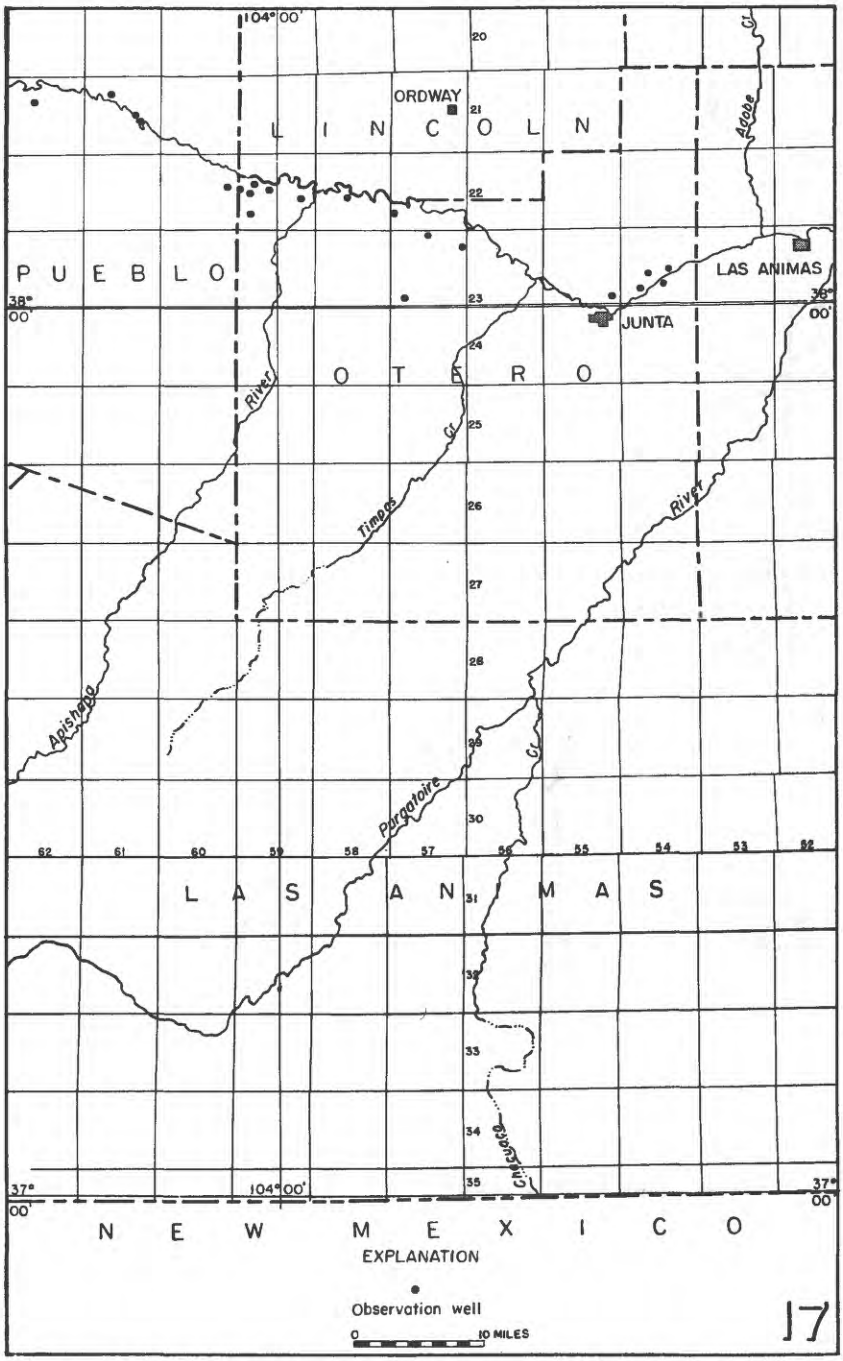


Figure 8. --Location of observation wells in Otero and Pueblo Counties, Colo., 1953.

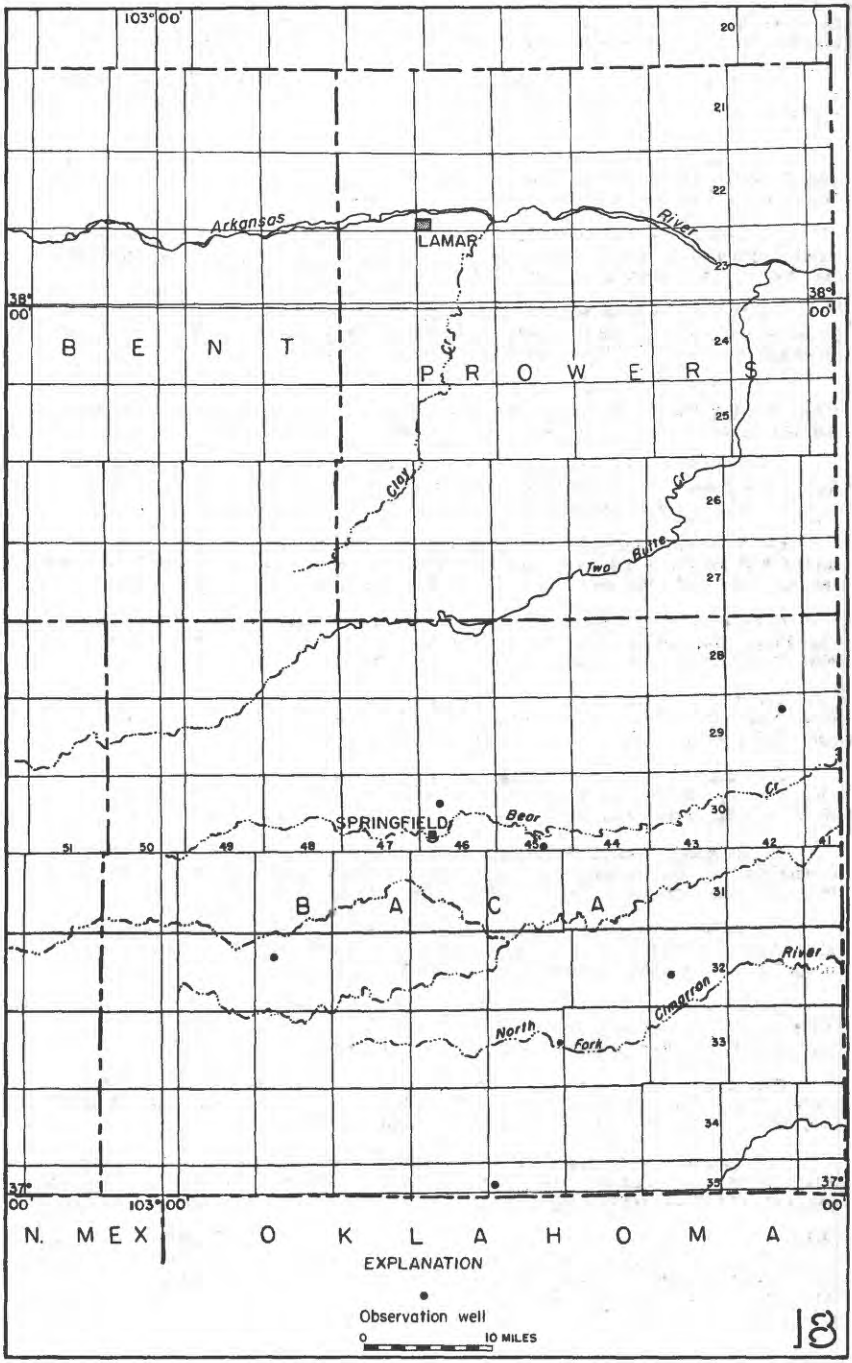


Figure 9.--Location of observation wells in Baca County, Colo., 1953.

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 45.52 below lsd, Nov. 6, 1952. Records available: 1946, 1948-49, 1951-52. No measurement made in 1953.

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 17.70 below lsd, Nov. 18, 1953. Records available: 1947-53. Mar. 26, 16.93; Nov. 18, 17.70.

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: 1929-53. Mar. 26, 19.95; Nov. 18, 18.41.

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 34.82 below lsd, May 1, 1951. Records available: 1941-53. Mar. 26, 32.17; Nov. 18, 30.59.

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: 1929-53. Mar. 26, 22.45; Nov. 18, 20.80.

C-1-67-35cda. L. A. Ernst. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 36 feet. Highest water level 17.00 below lsd, Oct. 28, 1947; lowest 23.40 below lsd, May 8, 1941. Records available: 1941-53. Mar. 26, 20.94. Measurement discontinued.

C-2-60-19bcc. Oscar Helgeson. Dug unused water-table well in alluvium, diameter 10 feet, depth 20 feet. Highest water level 14.50 below lsd, Sept. 4, 1930; lowest 18.93 below lsd, Feb. 7, 1949. Records available: 1930, 1940-50. Measurement discontinued.

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 30.44 below lsd, Nov. 18, 1953. Records available: 1938-53. Mar. 26, 29.49; Nov. 18, 30.44.

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 17.32 below lsd, Nov. 18, 1953. Records available: 1933-53. Mar. 26, 15.98; Nov. 18, 17.32.

C-2-65-23dab. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 58 feet. Highest water level 13.78 below lsd, Apr. 21. 1949; lowest 23.97 below lsd, Nov. 18, 1953. Records available: 1933-53. Mar. 26, 18.85; Nov. 18, 23.97.

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 27.65 below lsd, Nov. 18, 1953. Records available: 1934, 1941-53. Mar. 26, 23.44; Nov. 18, 27.65.

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 26.82 below lsd, Nov. 18, 1953. Records available: 1933-53. Mar. 26, 21.00; Nov. 18, 26.82.

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 21.50 below lsd, Nov. 6, 1952. Records available: 1933-53. Mar. 26, 19.10.

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 30.09 below lsd, May 1, 1951. Records available: 1937-53. Nov. 18, 26.88.

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 25.90 below lsd, Nov. 28, 1950, Nov. 18, 1953. Records available: 1936-53. Nov. 18, 25.90.

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 25.44 below lsd, Nov. 18, 1953. Records available: 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 29, 1949	16.07	Nov. 28, 1950	18.46	Dec. 3, 1951	20.14	Mar. 26, 1953	22.63
Apr. 12, 1950	16.53	May 1, 1951	18.72	Apr. 17, 1952	20.38	Nov. 18	25.44

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 26.85 below lsd, Nov. 18, 1953. Records available: 1941-53. Mar. 26, 23.25; Nov. 18, 26.85.

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. Mar. 26, 18.76; Nov. 18, 19.03.

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 12.33 below lsd, Mar. 17, 1953. Records available: 1942-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	7.88	Apr. 30	11.50	July 29	9.75	Oct. 20	11.38
Feb. 19	12.07	May 19	10.78	Aug. 18	10.16	Dec. 4	12.29
Mar. 17	12.33	June 23	9.43	Sept. 15	10.64	17	11.95

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: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1952	23.70	July 10, 1952	23.73	Jan. 20, 1953	23.60	June 25, 1953	23.33
Feb. 15	23.28	Aug. 11	23.64	Feb. 27	23.59	July 23	23.40
Mar. 14	23.25	Sept. 16	24.02	Mar. 21	23.50	Aug. 20	23.70
Apr. 18	22.95	Oct. 17	23.77	Apr. 23	23.58	Sept. 30	24.07
May 24	22.65	Nov. 20	23.89	May 21	22.77	Oct. 21	24.17
June 20	23.03	Dec. 30	23.60				

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 4,186.4 feet above msl. Highest water level 86.32 below lsd, Mar. 20, 1953; lowest 88.28 below lsd, Sept. 7, 1947. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	86.52	May 21	86.55	July 23	86.44	Sept. 30	86.40
Mar. 20	86.32	June 25	86.41	Aug. 20	86.52	Oct. 21	86.50
Apr. 23	86.50						

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: 1947-52.

Jan. 20	10.50	Apr. 22	10.27	July 23	10.98	Sept. 30	11.73
Feb. 23	10.29	May 21	10.34	Aug. 20	10.97	Oct. 21	11.88
Mar. 21	10.23	June 25	11.14				

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: 1947-53.

Jan. 20	84.93	Apr. 23	84.68	July 23	84.59	Sept. 30	84.82
Feb. 23	84.78	May 21	84.58	Aug. 20	84.60	Oct. 21	84.56
Mar. 20	84.35	June 25	84.28				

C-32-48-8cbb. S. D. Huff. Drilled unused water-table well in Dakota sandstone, diameter 6 inches, depth 247 feet. Land-surface datum is 4,798.5 feet above msl. Highest water level 191.14 below lsd, Mar. 20, 1953; lowest 194.32 below lsd, Aug. 7, 1947. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	191.68	Apr. 23	191.87	July 23	191.42	Sept. 30	191.62
Feb. 23	191.71	May 20	191.25	Aug. 19	191.36	Oct. 22	191.51
Mar. 20	191.14	June 24	191.17				

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 75.33 below lsd, Mar. 20, 1953; lowest 80.09 below lsd, Dec. 21, 1947. Records available: 1947-53.

Jan. 20	75.69	Apr. 23	75.53	July 23	75.40	Sept. 30	75.46
Feb. 23	75.58	May 21	75.55	Aug. 20	75.45	Oct. 21	75.43
Mar. 20	75.33	June 25	75.35				

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: 1947-53.

Jan. 20	168.58	Apr. 23	168.72	July 23	168.72	Sept. 30	169.09
Feb. 23	168.72	May 21	168.77	Aug. 20	168.96	Oct. 21	168.86
Mar. 20	168.30	June 24	168.50				

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 7.48 below lsd, Sept. 29, 1953. Records available: 1945-53.

Jan. 2	6.60	Mar. 18	5.88	June 23	6.48	Sept. 29	7.45
16	6.46	Apr. 21	6.07	July 21	6.78	Oct. 20	7.28
Feb. 18	6.32	May 19	5.82	Aug. 18	7.24		

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 16.27 below lsd, July 12, 1950. Records available: 1945-53. Jan. 2, 14.03; Jan. 16, 13.93; Feb. 18, 13.74; Mar. 18, 13.69; Apr. 21, 13.58; May 19, 13.57.

C-10-59-22ab. William Groff. Drilled irrigation water-table well in alluvium, diameter 24 to 16 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 14.65 below lsd, July 21, 1953. Records available: 1945-53.

Jan. 2	12.50	Mar. 18	12.23	May 19	11.99	July 21	c14.65
16	12.45	Apr. 21	12.08	June 23	12.90	Oct. 20	14.24
Feb. 18	12.30						

c Nearby well being pumped.

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: 1945-53.

Jan. 2	24.88	Mar. 18	24.47	May 19	24.35	July 21	25.13
16	24.79	Apr. 21	24.40	June 23	24.78	Aug. 18	24.92
Feb. 18	24.59						

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: 1945-53.

Jan. 2	7.97	Mar. 18	7.78	June 23	8.18	Sept. 29	8.01
16	7.88	Apr. 21	7.72	July 21	8.37	Oct. 20	8.31
Feb. 18	7.83	May 19	7.65	Aug. 18	8.21		

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 39.99 below lsd, Nov. 11 1953. Records available: 1944-53. Mar. 17, 39.76; Nov. 11, 39.99.

C-15-66-14abd-2. T. L. Bender. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 53 feet. Highest water level 23.50 below lsd, Apr. 5, 1950; lowest 25.69 below lsd, Nov. 11, 1953. Records available: 1948-53. Nov. 11, 25.69.

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 32.72 below lsd, Nov. 11, 1953. Records available: 1944-53. Mar. 17, 31.65; Nov. 11, 32.72.

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. No measurement made in 1953.

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; lowest 37.51 below lsd, Nov. 11, 1953. Records available: 1953. Mar. 17, 36.01; Nov. 11, 37.51.

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: 1942-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	34.61	Apr. 19	35.02	July 11	28.49	Oct. 18	31.04
Feb. 17	34.82	May 13	32.62	Aug. 17	28.72	Nov. 20	33.47
Mar. 19	34.91	June 19	27.63	Sept. 13	29.74	Dec. 9	34.07

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 17.70 below lsd, Sept. 29, 1953. Records available: 1951-53.

Jan. 19	16.18	Apr. 21	16.46	July 21	16.80	Sept. 29	17.70
Feb. 18	16.25	May 19	16.12	Aug. 18	17.07	Oct. 22	17.64
Mar. 18	16.34	June 23	16.49				

C-26-67-25cad. Eugene Ellis. Drilled stock water-table well in alluvium, diameter 7 inches, depth 22 feet. Highest water level 6.94 below lsd, Aug. 19, 1953; lowest 9.53 below lsd, Sept. 12, Oct. 16, 1951. Records available: 1950-53.

Jan. 19	8.23	Apr. 21	7.63	July 22	7.20	Oct. 1	9.48
Feb. 20	8.15	May 20	7.89	Aug. 19	6.94	22	8.80
Mar. 18	8.15	June 24	7.08				

C-27-66-36acc. Charles Corsentino. Drilled unused water-table well in alluvium, diameter 6 inches, depth 22 feet. Highest water level 13.53 below lsd, Aug. 12, 1952; lowest 19.33 below lsd, Feb. 14, 1952. Records available: 1950-53. Measurement discontinued.

Jan. 19	17.20	Apr. 22	16.28	July 22	17.43	Oct. 1	17.13
Feb. 20	17.49	May 20	16.29	Aug. 19	17.84	22	16.47
Mar. 19	17.35	June 24	16.90				

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 47.38 below lsd, Oct. 1, 1953. Records available: 1950-53.

Jan. 19	46.53	Apr. 21	46.94	July 22	47.27	Oct. 1	47.38
Feb. 20	46.82	May 20	47.30	Aug. 19	47.26	23	47.10
Mar. 19	46.84	June 24	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: 1950-53.

Jan. 6	17.74	Apr. 8	18.69	July 24	14.13	Oct. 7	20.87
23	17.59	23	17.60	Aug. 6	14.90	Nov. 3	21.53
Feb. 10	19.27	May 5	16.32	26	17.14	19	21.90
26	19.65	21	14.75	Sept. 11	19.65	Dec. 9	21.65
Mar. 10	19.43	June 12	11.32	24	19.80	31	20.70
25	19.98						

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: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	24.79	Apr. 22	25.08	July 22	21.74	Oct. 1	25.12
Feb. 20	24.79	May 20	24.95	Aug. 19	11.22	22	25.00
Mar. 19	24.82	June 24	25.21				

C-28-67-24dac. 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 110.63 below lsd, Feb. 14, 1952. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16, 1952	110.57	July 8, 1952	109.08	Jan. 19, 1953	108.23	June 24, 1953	108.56
Feb. 14	110.63	Aug. 12	107.42	Feb. 20	108.85	July 22	109.59
Mar. 13	110.57	Sept. 18	106.56	Mar. 19	109.15	Aug. 19	110.05
Apr. 16	110.54	Oct. 16	106.73	Apr. 22	109.38	Oct. 1	110.33
May 22	110.28	Nov. 19	107.28	May 20	109.05	23	110.55
June 19	109.79	Dec. 29	107.84				

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 35.76 below lsd, Nov. 19, 1952. Records available: 1951-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	35.42	Apr. 22	35.43	July 22	35.53	Oct. 1	35.08
Feb. 20	35.22	May 20	35.24	Aug. 19	35.64	23	35.05
Mar. 19	35.03	June 24	35.28				

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: 1941-53. Mar. 25, 10.49; Nov. 17, 8.64.

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: 1941-53. Apr. 22, 11.33; Nov. 24, 11.29.

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 28.62 below lsd, Apr. 23, 1953. Records available: 1950-53. Apr. 23, 28.62; Nov. 27, 28.45.

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 7.60 below lsd, May 21, 1938. Records available: 1929-30, 1932-53. Apr. 24, 5.93; Nov. 27, 6.26.

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, 1932-53. Apr. 22, 5.84; Nov. 24, 5.10.

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: 1941-53. Apr. 22, 6.79; Nov. 24, 6.54.

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 32.05 below lsd, Nov. 27, 1953. Records available: 1943-53. Apr. 24, 31.47; Nov. 27, 32.05.

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 24.11 below lsd, Nov. 27, 1953. Records available: 1929, 1932-53. Apr. 24, 21.38; Nov. 27, 24.11.

B-8-68-16aa. R. E. Nutter. Drilled irrigation water-table well in alluvium, diameter 12 inches. Highest water level 15.30 below lsd, Sept. 18, 1929; lowest 28.42 below lsd, Dec. 9, 1952. Records available: 1929-30, 1932-52. Measurement discontinued.

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 32.84 below lsd, Nov. 27, 1953. Records available: 1952-53. May 5, 1952, 29.42; Dec. 9, 1952, 30.45; Apr. 24, 1953, 29.32; Nov. 27, 32.84.

B-8-68-22cbb1. J. E. Swansen. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 38 feet. Highest water level 12.60 below lsd, May 1, 1950; lowest 15.93 below lsd, Nov. 27, 1953. Records available: 1929-30, 1932-53. Apr. 24, 13.22; Nov. 27, 15.93.

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 15.68 below lsd, Nov. 27, 1953. Records available: 1929-53. Apr. 24, 13.79; Nov. 27, 15.68.

B-8-88-28aab. 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. Apr. 24, 10.58; Nov. 27, 13.49.

B-8-88-33ccc. F. C. Kluver. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 33 feet. Highest water level 11.80 below lsd, Sept. 18, 1929; lowest 15.88 below lsd, Oct. 5, 1934. Records available: 1929-30, 1932-53. Apr. 23, 14.78; Nov. 27, 15.45.

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 53.10 below lsd, May 1, 1941. Records available: 1939-53. Apr. 24, 44.99; Nov. 27, 46.14.

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: 1949-53. Apr. 24, 27.00; Nov. 27, 24.08.

B-9-88-28bbb. 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 24.71 below lsd, May 1, 1941. Records available: 1938-53. Nov. 27, 23.80.

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, 1935-53. Apr. 24, 33.06; Nov. 27, 31.56.

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: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 22, 1947	22.80	July 12, 1948	22.25	May 31, 1949	24.50	Oct. 20, 1950	22.22
Sept. 12	22.10	Aug. 6	21.79	July 8	22.97	Dec. 7	23.37
Oct. 6	22.10	Sept. 10	21.15	Aug. 10	22.18	Feb. 8, 1951	23.35
Nov. 4	22.52	Oct. 7	20.82	Oct. 19	21.84	Apr. 3	23.93
Dec. 10	22.58	Nov. 1	21.63	Dec. 1	22.85	Oct. 31	22.65
Jan. 2, 1948	23.32	Dec. 6	22.36	Feb. 7, 1950	23.05	Apr. 9, 1952	24.99
Feb. 6	23.64	Mar. 3, 1949	23.40	Apr. 12	23.74	Oct. 20	22.05
Mar. 8	23.74	Apr. 8	23.68	May 26	22.54	Apr. 22, 1953	23.88
Apr. 16	23.70	May 4	23.77	Aug. 4	21.67	Oct. 21	22.25
June 7	22.71						

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: 1947-53.

Aug. 21, 1947	12.20	Sept. 10, 1948	11.97	May 31, 1949	12.57	Oct. 20, 1950	12.73
Oct. 6	12.48	Oct. 7	12.00	July 8	11.47	Dec. 7	13.55
Nov. 4	12.74	Nov. 1	12.77	Aug. 10	11.76	Feb. 8, 1951	13.73
Dec. 10	13.08	Dec. 6	13.27	Oct. 19	12.40	Apr. 3	13.83
Jan. 2, 1948	13.07	Jan. 20, 1949	12.94	Dec. 1	13.26	Oct. 31	13.52
Feb. 6	12.69	Feb. 8	13.09	Feb. 7, 1950	13.58	Apr. 9, 1952	13.45
Mar. 8	12.57	Mar. 3	13.35	Apr. 12	13.36	Oct. 20	12.48
Apr. 16	12.83	Apr. 8	13.33	May 26	12.55	Apr. 22, 1953	13.20
June 7	11.51	May 4	12.38	Aug. 4	12.19	Oct. 21	12.71
Aug. 6	13.27						

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 14.17 below lsd, Apr. 25, 1953. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 19, 1947	9.70	July 12, 1948	10.55	July 8, 1949	10.33	Dec. 7, 1950	13.44
Oct. 6	11.47	Aug. 2	11.20	Aug. 10	10.44	Feb. 8, 1951	13.90
Nov. 4	12.45	Sept. 10	11.55	Oct. 19	11.49	Apr. 10	13.28
Dec. 10	11.52	Oct. 7	11.20	Dec. 1	12.89	Nov. 6	13.50
Jan. 2, 1948	13.35	Nov. 1	11.90	Feb. 7, 1950	13.63	Apr. 10, 1952	14.10
Feb. 6	13.40	Dec. 6	12.98	Apr. 13	13.13	Oct. 6	12.68
Mar. 8	12.83	Apr. 8, 1949	14.00	May 26	11.39	Apr. 25, 1953	14.17
Apr. 16	12.40	May 4	12.10	Aug. 4	11.05	Oct. 21	13.14
June 7	11.09	June 6	11.16	Oct. 18	12.57		

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 21.52 below lsd, Sept. 10, 1948. Records available: 1947-53.

Dec. 11, 1947	16.53	Apr. 7, 1949	17.28	Feb. 7, 1950	16.80	Apr. 3, 1951	17.77
May 5, 1948	16.75	May 4	17.10	Apr. 12	17.27	Oct. 31	18.68
Sept. 10	21.52	31	17.08	May 26	18.87	Apr. 9, 1952	17.95
Nov. 1	18.32	July 8	16.79	Oct. 18	19.97	Oct. 20	21.34
Dec. 6	18.04	Oct. 13	17.71	Dec. 2	18.88	Apr. 25, 1953	18.13
Feb. 8, 1949	17.90	Dec. 1	17.58	Feb. 8, 1951	18.09	Oct. 22	21.02
Mar. 2	17.77						

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 17.15 below lsd, Aug. 28, 1947. Records available: 1943-53. Apr. 25, 14.59; Oct. 22, 14.24.

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: 1940-53. Apr. 25, 30.60; Oct. 22, 28.30.

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 8.45 below lsd, Oct. 8, 1948, Aug. 10, 1949; lowest 10.62 below lsd, Apr. 3, 1951. Records available: 1928-29, 1935, 1940-53. Apr. 25, 10.19; Oct. 22, 9.23.

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: 1950-53. Apr. 25, 12.83; Oct. 22, 14.05.

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 5.84 below lsd, Apr. 10, 1952. Records available: 1929-30, 1935, 1940-53. Apr. 22, 5.45; Oct. 22, 5.53.

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: 1940-53. Apr. 22, 19.53; Oct. 22, 17.05.

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 49.23 below lsd, Oct. 20, 1953. Records available: 1940-53. Apr. 8, 44.78; Oct. 20, 49.23.

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: 1940-53. Apr. 8, 48.50; Nov. 30, 40.67.

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 48.87 below lsd, Oct. 20, 1953. Records available: 1940-53. Apr. 8, 44.09; Oct. 20, 48.87.

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: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 30, 1948	42.55	Feb. 7, 1949	42.60	Dec. 1, 1949	45.17	Feb. 9, 1951	45.84
May 14	42.40	Mar. 8	45.27	Feb. 6, 1950	44.31	Apr. 3	45.74
June 2	42.61	Apr. 11	43.54	Apr. 6	44.11	Oct. 30	46.98
Sept. 1	43.66	May 3	43.26	May 31	44.83	Apr. 1, 1952	45.80
Oct. 7	43.88	July 4	43.69	Aug. 17	45.85	Oct. 3	47.95
Nov. 2	43.57	Aug. 4	43.89	Oct. 16	46.16	Apr. 8, 1953	47.75
Dec. 8	44.82	Oct. 11	44.66	Dec. 4	46.14	Oct. 20	49.72

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 48.34 below lsd, Oct. 24, 1952. Records available: 1947-53.

July 17, 1947	37.74	Apr. 13, 1948	36.47	Apr. 14, 1949	38.69	Dec. 14, 1950	42.25
Aug. 26	38.80	June 4	39.41	June 6	38.70	Feb. 6, 1951	41.37
Oct. 3	38.80	Sept. 8	41.89	Aug. 3	39.39	Apr. 12	40.98
Nov. 4	37.80	Oct. 4	40.13	Oct. 12	42.14	Oct. 29	42.77
Dec. 4	37.12	Nov. 4	39.97	Dec. 12	39.74	Apr. 4, 1952	41.73
Jan. 8, 1948	36.90	Dec. 6	39.29	Feb. 1, 1950	39.18	Oct. 24	48.34
Feb. 3	36.74	Jan. 14, 1949	38.84	Apr. 10	39.08	Apr. 16, 1953	43.87
Mar. 3	38.54	Feb. 14	37.73	Aug. 2	41.32	Oct. 23	46.46

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 49.17 below lsd, Oct. 23, 1953. Records available: 1946-53. Apr. 16, 41.25; Oct. 23, 49.17.

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 23.40 below lsd, Oct. 21, 1952. Records available: 1942-53. Apr. 16, 20.07; Oct. 23, 22.35.

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, June 22, 1953; lowest 34.81 below lsd, Oct. 14, 15, 1953. Records available: 1953.

Daily lowest water level from recorder graph

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	33.07	33.61	34.06	34.35	34.74	34.75	34.70
2	.....	33.07	33.63	34.06	34.38	34.77	34.75	34.70
3	.....	33.04	33.68	34.10	34.38	34.77	34.75	34.70
4	.....	33.10	33.71	34.14	34.42	34.75	34.75	34.70
5	.....	33.12	33.73	34.18	34.46	34.74	34.75	34.67
6	.....	33.07	33.75	34.21	34.46	34.74	34.74	34.67
7	.....	33.10	33.79	34.23	34.48	34.73	34.75	34.67
8	.....	33.16	33.83	34.24	34.48	34.73	34.74	34.67
9	.....	33.21	33.84	34.25	34.53	34.74	34.74	34.67
10	.....	33.25	33.87	34.28	34.54	34.76	34.74	34.66
11	.....	33.28	33.87	34.32	34.57	34.77	34.74	34.65
12	.....	33.32	33.92	34.35	34.59	34.79	34.74	34.65
13	.....	33.37	33.92	34.39	34.59	34.81	34.74	34.65
14	.....	33.39	33.92	34.42	34.60	34.81	34.74	34.65
15	.....	33.40	33.94	34.44	34.61	34.80	34.74	34.64
16	.....	33.40	33.95	34.46	34.65	34.77	34.73	34.64
17	.....	33.40	33.95	34.45	34.66	34.77	34.73	34.64
18	.....	33.36	33.95	34.36	34.66	34.77	34.72	34.64
19	.....	33.43	33.96	34.33	34.66	34.77	34.72	34.63
20	.....	33.38	34.00	34.31	34.66	34.77	34.72	34.62
21	.....	33.30	34.05	34.31	34.67	34.76	34.72	34.63
22	32.61	33.27	34.09	34.31	34.70	34.76	34.72	34.63
23	32.64	33.26	34.11	34.30	34.76	34.76	34.72	34.63
24	32.75	33.29	34.13	34.30	34.80	34.76	34.72	34.62
25	32.83	33.37	34.15	34.30	34.80	34.76	34.72	34.62
26	32.92	33.44	34.16	34.30	34.75	34.76	34.70	34.62
27	32.94	33.49	34.16	34.30	34.77	34.75	34.70	34.60
28	32.94	33.49	34.21	34.30	34.77	34.75	34.70	34.60
29	32.95	33.49	34.19	34.33	34.76	34.75	34.70	34.60
30	33.02	33.55	34.15	34.33	34.75	34.75	34.70	34.60
31	33.04		34.09	34.33		34.75		34.60

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 27.22 below lsd, Oct. 23, 1953. Records available: 1947-53. Apr. 16, 23.46; Oct. 23, 27.22.

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 33.79 below lsd, Aug. 2, 1950. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 8, 1947	27.03	Nov. 4, 1948	26.52	July 11, 1949	29.58	Dec. 14, 1950	28.99
Nov. 4	26.06	Dec. 6	26.40	Oct. 17	28.79	Feb. 6, 1951	28.57
Dec. 3	25.83	Jan. 14, 1949	26.52	Dec. 12	27.98	Apr. 12	28.46
Jan. 8, 1948	25.63	Feb. 7	26.71	Feb. 3, 1950	27.67	Oct. 29	29.80
Feb. 3	25.69	Mar. 15	26.83	Apr. 10	27.46	Apr. 4, 1952	28.63
Mar. 3	25.66	Apr. 14	26.89	May 22	29.10	Oct. 16	31.35
Apr. 13	25.80	May 4	27.00	Aug. 2	33.79	Apr. 16, 1953	29.72
June 30	28.06	June 17	26.63	Oct. 17	30.51	Oct. 23	30.90
Oct. 4	27.78						

B-2-55-30bc-1. 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 30.94 below lsd, Oct. 20, 1953. Records available: 1944-53. Apr. 8, 27.55; Oct. 20, 30.94.

B-2-56-13aa-2. 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: 1949-53. Apr. 8, 12.14; Oct. 20, 15.79.

B-2-56-24dd-2. 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 26.04 below lsd, Oct. 20, 1953. Records available: 1949-53. Apr. 8, 23.73; Oct. 20, 26.04.

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 31.04 below lsd, Oct. 23, 1953. Records available: 1947-53.

June 9, 1947	21.71	May 17, 1948	22.25	June 17, 1949	22.41	Dec. 14, 1950	24.60
Oct. 1	23.06	June 1	21.90	July 12	23.50	Feb. 6, 1951	24.18
Nov. 3	22.17	Sept. 10	24.02	Aug. 3	26.19	Apr. 18	23.90
Dec. 2	21.85	Oct. 1	24.25	Oct. 17	23.69	Oct. 23	26.60
Jan. 5, 1948	21.68	Nov. 4	23.10	Dec. 12	22.45	Apr. 7, 1952	24.78
Feb. 5	21.60	Dec. 2	22.71	Feb. 2, 1950	22.18	Nov. 20	23.90
Mar. 3	21.53	Mar. 15, 1949	22.17	Apr. 7	21.99	Apr. 15, 1953	26.57
Apr. 13	20.40	Apr. 13	21.94	May 25	22.99	Oct. 23	31.04

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 59.05 below lsd, Oct. 23, 1953. Records available: 1947-53.

July 14, 1947	46.21	June 1, 1948	45.82	June 17, 1949	45.95	Oct. 16, 1950	50.60
Aug. 18	47.18	July 2	46.65	Juiy 12	49.06	Dec. 14	49.95
Oct. 1	48.00	Aug. 9	48.81	Aug. 3	49.98	Feb. 6, 1951	49.03
Nov. 3	45.87	Sept. 9	47.75	Oct. 17	48.69	Apr. 18	48.73
Dec. 2	45.28	Oct. 1	47.57	Dec. 12	47.75	Oct. 23	52.95
Jan. 5, 1948	45.04	Nov. 4	46.78	Feb. 2, 1950	47.04	Apr. 7, 1952	42.12
Feb. 5	44.99	Dec. 2	46.44	Apr. 7	46.59	Oct. 21	57.65
Mar. 3	44.75	Mar. 15, 1949	45.66	May 25	48.48	Apr. 15, 1953	53.76
Apr. 13	44.54	May 3	45.97	Aug. 1	51.19	Oct. 23	59.05
May 17	44.75						

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 62.44 below lsd, Oct. 21, 1952. Records available: 1944-53. Apr. 16, 59.82; Oct. 23, 61.55.

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 62.14 below lsd, Oct. 23, 1953. Records available: 1940-53. Apr. 16, 56.75; Oct. 23, 62.14.

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 76.70 below lsd, Oct. 23, 1953. Records available: 1940-53. Apr. 16, 70.55; Oct. 23, 76.70.

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 32.35 below lsd, May 7, 1941. Records available: 1940-51, 1953. Apr. 24, 28.59; Oct. 20, 29.96.

B-3-56-24bb. Charles Henry. Dug and drilled irrigation water-table well in alluvium, diameter 14 inches, depth 54 feet. Land-surface datum is 4,254.3 feet above msl. Highest water level 4.50 below lsd, Dec. 5, 1949; lowest 9.09 below lsd, Oct. 3, 1952. Records available: 1928-30, 1932-53. Apr. 8, 5.60. Measurement discontinued.

B-3-57-6dc. 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 48.19 below lsd, Sept. 1, 1951. Records available: 1940-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	46.14	46.04	46.30	46.68	47.05	.....	47.71	47.90	47.99	.....	47.51	.....
2	46.13	46.05	46.30	46.70	47.06	.....	47.76	47.90	48.03	.....	47.48	.....
3	46.12	46.06	46.31	46.70	47.05	47.64	47.78	47.90	47.97	.....	47.44	.....
4	46.10	46.08	46.32	46.72	47.05	47.68	47.80	47.84	47.98	.....	47.40	.....
5	46.10	46.08	46.34	46.73	47.10	47.67	47.82	47.85	48.00	.....	47.36	.....
6	.....	46.09	46.35	46.76	47.14	47.60	47.65	47.69	48.02	.....	47.33	.....
7	.....	46.10	46.36	46.76	47.19	47.58	47.86	47.90	48.02	.....	.....	.....
8	.....	46.11	46.36	46.77	47.20	47.55	47.90	47.90	48.02	.....	.....	.....
9	.....	46.14	46.39	46.76	47.26	47.60	47.92	47.90	48.05	.....	.....	.....
10	.....	46.13	46.39	46.76	47.27	47.60	47.97	47.90	48.04	.....	.....	.....
11	.....	46.12	46.40	46.77	47.30	47.60	48.00	47.90	48.06	.....	.....	.....
12	.....	46.13	46.40	46.78	47.30	47.69	48.00	47.90	48.09	.....	.....	.....
13	.....	46.14	46.42	46.78	47.29	47.70	48.01	47.97	48.10	.....	.....	46.92
14	.....	46.15	46.44	46.79	47.30	.....	48.03	48.00	48.12	48.05	.....	46.92
15	.....	46.17	46.45	46.80	47.37	47.67	48.07	48.03	.....	48.03	.....	46.92
16	.....	46.18	46.45	46.80	47.37	47.70	48.06	48.02	.....	48.03	.....	46.92
17	.....	46.18	46.48	46.78	47.35	47.70	48.04	48.00	.....	48.01	46.92	46.92
18	.....	46.17	46.47	.....	47.30	47.69	47.98	47.94	.....	48.00	.....	46.91
19	45.96	46.18	46.47	.....	47.30	47.69	47.96	47.90	.....	47.97	.....	46.92
20	45.97	46.20	46.52	.....	47.30	47.70	47.98	47.90	.....	47.95	.....	46.92
21	45.97	46.22	46.52	.....	.....	47.73	48.00	47.92	....	47.87	46.92	46.92
22	45.96	46.22	46.53	.....	.....	47.73	48.00	47.92	.....	47.83	.....	.....
23	45.96	46.23	46.58	.....	47.45	47.75	48.07	47.91	.....	47.79	.....	.....
24	45.98	46.23	46.56	46.98	47.45	47.77	48.09	47.83	48.15	47.75	46.92	.....
25	45.98	46.24	46.60	47.00	47.45	47.79	48.11	47.83	48.18	47.72	.....	46.92
26	45.99	46.25	46.62	47.00	47.55	47.78	48.13	47.85	48.18	47.67	.....	46.94
27	45.99	46.28	46.68	47.04	47.58	47.70	48.10	47.91	48.17	47.65	.....	46.94
28	45.99	46.28	46.67	47.08	47.54	47.68	48.05	47.91	48.12	47.62	.....	46.95
29	46.00		46.70	47.08	47.51	47.70	48.06	47.91	48.12	47.58	.....	46.95
30	46.00		46.70	47.03	47.55	47.70	47.98	47.93	.....	47.55	.....	46.94
31	46.03		46.69		.....		47.90	47.97		47.52		46.95

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 53.58 below lsd, Aug. 3, 1949. Records available. 1939-53. Apr. 24, 49.87; Oct. 23, 53.25.

B-3-57-30bb. Hanna & Gelroth. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 121 feet. Land-surface datum is 4,345.5 feet above msl. Highest water level 10.60 below lsd, Oct. 24, 1949; lowest 18.51 below lsd, Nov. 6, 1941. Records available: 1940-51. Measurement discontinued.

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 56.28 below lsd, May 1, 1941. Records available: 1940-53. Apr. 20, 52.67; Oct. 27, 53.07.

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 60.18 below lsd, Oct. 21, 1952. Records available: 1939-53. Apr. 15, 57.00; Oct. 27, 58.93.

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: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 9, 1947	31.22	June 1, 1948	30.35	Apr. 14, 1949	28.18	Aug. 3, 1950	36.45
Aug. 18	32.25	July 14	33.08	May 2	29.50	Oct. 12	29.00
Oct. 1	26.50	Aug. 11	31.29	June 6	28.79	Dec. 9	27.70
Nov. 3	25.89	Sept. 8	29.02	July 13	29.37	Feb. 6, 1951	28.43
Dec. 2	26.37	Oct. 1	29.26	Aug. 3	29.61	Apr. 4	29.72
Jan. 6, 1948	26.86	Nov. 3	27.01	Oct. 14	25.63	Oct. 29	27.00
Feb. 3	27.15	Dec. 3	26.95	Dec. 9	26.25	Apr. 4, 1952	28.50
Mar. 2	27.57	Jan. 13, 1949	27.28	Feb. 2, 1950	27.00	Oct. 21	27.85
Apr. 13	28.00	Feb. 11	27.67	Apr. 10	27.86	Apr. 20, 1953	29.04
May 13	29.10	Mar. 11	28.81	May 24	32.03	Oct. 26	30.09

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 64.15 below lsd, Apr. 4, 1951; lowest 71.60 below lsd, Oct. 9, 1952. Records available: 1948-53. Apr. 16, 66.85; Oct. 26, 71.36.

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 63.54 below lsd, Oct. 23, 1953. Records available: 1946-53. Apr. 16, 60.47; Oct. 23, 63.54.

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 53.79 below lsd, Apr. 30, 1947; lowest 64.02 below lsd, Oct. 26, 1953. Records available: 1936-53. Apr. 16, 58.82; Oct. 26, 64.02.

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 45.80 below lsd, Oct. 26, 1953. Records available: 1940-53. Apr. 20, 44.45; Oct. 26, 45.80.

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 19.22 below lsd, Nov. 28, 1940. Records available: 1930, 1932-53. Apr. 22, 17.59; Oct. 22, 17.92.

B-4-55-18cc. H. Baumgardner. Dug and drilled irrigation water-table well in alluvium, diameter 14 inches, depth 80 feet. Land-surface datum is 4,194.9 feet above msl. Highest water level 17.53 below lsd, Oct. 19, 1949; lowest 21.78 below lsd, May 6, 1941. Records available: 1939-50. Measurement discontinued.

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 17.99 below lsd, Oct. 6, 1947; lowest 21.05 below lsd, Apr. 22, 1953. Records available: 1933-35, 1941-53. Apr. 22, 21.05; Oct. 22, 19.71.

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.

May 31, 1947	27.98	June 1, 1948	26.21	May 3, 1949	27.97	Oct. 16, 1950	29.60
July 11	26.02	Aug. 9	25.22	June 14	27.31	Dec. 16	28.91
Aug. 18	24.53	Sept. 9	25.38	July 13	25.91	Feb. 6, 1951	29.02
Oct. 1	23.92	Oct. 1	25.55	Aug. 3	25.34	Apr. 4	29.46
Nov. 3	24.15	Nov. 5	25.95	Oct. 20	23.62	Oct. 24	29.49
Dec. 2	24.70	Dec. 2	26.35	Dec. 15	24.57	Apr. 7, 1952	29.00
Jan. 5, 1948	25.45	Jan. 13, 1949	26.80	Feb. 2, 1950	25.00	Oct. 9	29.41
Feb. 4	26.04	Feb. 8	27.06	Apr. 7	26.94	Apr. 20, 1953	28.13
Mar. 2	26.36	Mar. 15	27.45	May 24	27.61	Oct. 27	30.50
May 13	26.61	Apr. 6	27.74	Aug. 2	27.22		

B-4-58-18dc. Angelo Covelli. Drilled water-table well in alluvium, diameter $1\frac{1}{4}$ inchee, depth 60 feet. Highest water level 39.23 below lsd, Oct. 12, 1949, lowest 42.52 below lsd, Oct. 27, 1953. Records available: 1949-53.

June 3, 1949	40.50	Feb. 2, 1950	40.35	Dec. 15, 1950	40.90	Apr. 7, 1952	41.52
July 13	39.86	Apr. 11	40.79	Feb. 3, 1951	41.30	Oct. 9	41.11
Aug. 2	39.69	May 24	40.53	Apr. 4	41.62	Apr. 15, 1953	41.53
Oct. 12	39.23	Aug. 1	40.56	Oct. 23	40.78	Oct. 27	42.52
Dec. 8	39.78	Oct. 12	41.20				

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 51.84 below lsd, Oct. 27, 1953. Records available: 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 13, 1949	49.50	Apr. 11, 1950	47.49	Apr. 4, 1951	49.65	Oct. 9, 1952	50.90
Oct. 12	47.52	Oct. 12	50.66	Oct. 23	49.50	Apr. 15, 1953	49.82
Dec. 8	47.48	Dec. 15	49.22	Apr. 7, 1952	49.45	Oct. 27	51.84
Feb. 2, 1950	47.79	Feb. 3, 1951	49.25				

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: 1947-53.

July 10, 1947	73.95	July 7, 1948	74.86	Apr. 6, 1949	75.39	Dec. 9, 1950	78.64
Sept. 29	76.80	Sept. 8	77.73	May 4	75.33	Feb. 7, 1951	77.86
Nov. 4	76.17	Oct. 4	77.41	June 16	75.15	Apr. 4	77.15
Dec. 8	75.47	Nov. 5	76.78	Oct. 14	77.33	Oct. 30	80.48
Jan. 5, 1948	76.22	Dec. 6	76.39	Dec. 12	76.65	Apr. 4, 1952	78.06
Feb. 3	74.97	Jan. 14, 1949	75.95	Feb. 3, 1950	76.09	Oct. 9	85.10
Mar. 2	74.40	Feb. 14	75.71	Apr. 11	75.64	Apr. 16, 1953	79.60
May 13	74.45	Mar. 11	75.72	May 24	75.76	Oct. 26	87.10
June 3	74.76						

B-4-59-36cc1. Dr. Firest. Irrigation water-table well in alluvium. Highest water level 64.94 below lsd, Nov. 3, 1947; lowest 70.26 below lsd, Oct. 21, 1952. Records available: 1947-53.

Sept. 29, 1947	66.10	June 1, 1948	65.59	Mar. 11, 1949	65.89	Feb. 3, 1951	67.02
Nov. 3	64.94	July 6	65.91	Apr. 18	66.03	Apr. 4	68.28
Dec. 4	65.20	Aug. 11	66.63	June 17	65.85	Oct. 23	67.20
Jan. 6, 1948	65.43	Oct. 1	65.59	Dec. 8	65.00	Apr. 7, 1952	66.80
Feb. 3	65.42	Nov. 3	65.31	Feb. 2, 1950	65.69	Oct. 21	70.26
Mar. 2	65.83	Dec. 3	65.11	Apr. 11	67.50	Apr. 15, 1953	67.43
Apr. 15	65.77	Jan. 13, 1949	65.34	Dec. 9	67.15	Oct. 27	69.28
May 13	66.55	Feb. 11	65.61				

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: 1947-53.

Sept. 15, 1947	7.50	July 7, 1948	8.01	June 14, 1949	5.89	Oct. 17, 1950	8.52
Oct. 9	7.18	Aug. 12	7.77	July 13	6.50	Dec. 15	9.18
Nov. 3	7.77	Sept. 9	7.91	Aug. 1	7.50	Feb. 3, 1951	9.24
Dec. 6	8.33	Oct. 1	7.69	Oct. 14	8.09	Apr. 4	9.74
Jan. 5, 1948	8.44	Nov. 5	8.39	Dec. 8	8.72	Oct. 30	8.65
Feb. 4	8.45	Dec. 6	8.84	Feb. 3, 1950	9.23	Apr. 7, 1952	9.27
Mar. 2	8.15	Feb. 11, 1949	9.09	Apr. 10	9.42	Oct. 9	7.55
Apr. 15	8.52	Mar. 11	9.20	May 24	8.76	Apr. 20, 1953	9.20
May 13	7.90	Apr. 6	8.98	Aug. 3	7.87	Oct. 27	8.49
June 3	7.76	May 4	9.02				

B-4-60-9ab1. Racchio and 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: 1947-53.

Sept. 15, 1947	8.70	Aug. 11, 1948	7.73	June 14, 1949	7.86	Oct. 17, 1950	10.12
Oct. 9	9.65	Sept. 9	7.39	July 13	7.89	Dec. 15	10.99
Nov. 3	9.94	Oct. 1	9.35	Aug. 1	7.30	Feb. 3, 1951	11.45
Dec. 6	10.20	Nov. 5	9.84	Oct. 14	7.94	Apr. 4	11.67
Jan. 6, 1948	10.36	Dec. 6	10.32	Dec. 8	8.10	Oct. 30	10.93
Feb. 4	10.60	Jan. 13, 1949	10.34	Feb. 3, 1950	10.76	Apr. 7, 1952	10.57
Mar. 2	10.52	Feb. 11	10.74	Apr. 10	11.09	Oct. 9	10.45
Apr. 15	11.70	Mar. 11	10.60	May 24	8.85	Apr. 20, 1953	11.26
June 3	7.30	Apr. 6	9.91	Aug. 3	8.20	Oct. 27	10.68
July 7	6.63	May 4	10.05				

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 75.20 below lsd, Oct. 26, 1953. Records available: 1947-53.

B-4-60-12cc1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 3, 1947	68.80	June 3, 1948	70.10	Feb. 14, 1949	69.50	Dec. 9, 1950	70.71
Nov. 4	67.91	July 7	69.67	Mar. 11	69.97	Feb. 3, 1951	71.09
Dec. 8	68.19	Aug. 11	70.63	Apr. 6	69.29	Apr. 4	71.55
Jan. 5, 1948	68.49	Sept. 8	69.43	May 4	70.61	Oct. 30	70.70
Feb. 4	68.78	Oct. 4	68.77	June 16	70.28	Apr. 4, 1952	71.52
Mar. 2	69.02	Nov. 5	68.59	Dec. 12	70.22	Oct. 9	72.45
Apr. 15	69.50	Dec. 6	68.69	Feb. 3, 1950	69.49	Apr. 16, 1953	71.95
May 13	69.60	Jan. 13, 1949	69.16	Apr. 11	69.82	Oct. 26	75.20

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 86.45 below lsd, Oct. 9, 1952. Records available: 1947-53.

Oct. 3, 1947	78.64	Nov. 5, 1948	77.12	Oct. 14, 1949	79.76	Feb. 3, 1951	76.16
Nov. 4	75.77	Dec. 6	75.57	Dec. 12	75.69	Apr. 4	75.32
Dec. 8	74.69	Jan. 14, 1949	74.75	Feb. 3, 1950	74.67	Oct. 30	81.65
Jan. 6, 1948	73.56	Feb. 14	74.29	Apr. 11	74.22	Apr. 4, 1952	76.50
Feb. 4	73.92	Mar. 11	74.41	Aug. 1	85.59	Oct. 9	86.45
Mar. 2	73.61	Apr. 6	74.19	Oct. 12	81.90	Apr. 16, 1953	76.49
Apr. 15	72.65	June 16	75.26	Dec. 9	77.95	Oct. 26	84.36

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. 26, 1946; lowest 81.26 below lsd, Oct. 26, 1953. Records available: 1946-50, 1953. Apr. 16, 72.49; Oct. 26, 81.26.

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 20.60 below lsd, Nov. 8, 1940. Records available: 1935-40, 1943-53. Apr. 25, 18.72; Oct. 22, 17.61.

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: 1947-53.

Sept. 10, 1947	7.35	July 7, 1948	11.84	June 14, 1949	13.99	Oct. 17, 1950	8.94
Oct. 10	9.10	Aug. 12	8.76	July 13	10.69	Dec. 15	11.19
Nov. 3	9.91	Sept. 9	7.16	Aug. 1	9.68	Feb. 3, 1951	12.64
Dec. 6	11.92	Oct. 1	7.52	Oct. 14	9.85	Apr. 4	14.09
Jan. 5, 1948	12.73	Nov. 5	9.57	Dec. 8	12.05	Oct. 30	9.79
Feb. 4	13.45	Dec. 3	11.21	Feb. 3, 1950	13.54	Apr. 7, 1952	14.20
Mar. 2	14.06	Feb. 11, 1949	13.64	Apr. 10	14.91	Oct. 9	8.95
Apr. 18	14.85	Mar. 11	13.56	May 24	13.68	Apr. 20, 1953	15.17
May 13	14.80	Apr. 6	13.98	Aug. 3	8.08	Oct. 27	9.90
June 3	12.94	May 4	14.33				

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 28.06 below lsd, Nov. 10, 1953. Records available: 1953. Mar. 18, 27.60; Nov. 10, 28.06.

C-22-58-21bd. C. Meyer. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 56 feet. Highest water level 26.25 below lsd, Aug. 1, 1928; lowest 34.33 below lsd, Dec. 10, 1940. Records available: 1928-31, 1933-53. Mar. 18, 32.00; Nov. 10, 32.78.

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 21.29 below lsd, Mar. 28, 1951. Records available: 1951-53. Mar. 28, 1951, 21.29; Nov. 14, 1951, 19.96; Apr. 11, 1952, 20.95; Nov. 18, 1952, 19.80; Nov. 10, 1953, 20.10.

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 15.98 below lsd, May 5, 1935. Records available: 1930, 1933-51, 1953. Mar. 18, 14.71.

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 22.05 below lsd Apr. 10, 1940. Records available: 1929-31, 1933-53. Mar. 18, 20.50; Nov. 11, 19.71.

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 19.89 below lsd, Mar. 28, 1951. Records available: 1951-53. Mar. 28, 1951, 19.89; Nov. 13, 19.78; Apr. 12, 1952, 19.40; Nov. 18, 19.20; Mar. 17, 1953, 18.54; Nov. 10, 19.76.

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. No measurement made in 1953.

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. Mar. 17, 15.30; Nov. 10, 18.22.

C-21-61-23bbb-2. 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, 1951-53. Mar. 17, 16.13; Nov. 10, 17.03.

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, 1935-53. Mar. 17, 11.62; Nov. 10, 12.27.

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 8.34 below lsd, Nov. 10, 1953. Records available: 1952-53. Nov. 18, 1952, 8.19; Mar. 17, 1953, 8.10; Nov. 10, 8.34.

C-21-62-9cd-2. Bert Potestio. Drilled irrigation water-table well in alluvium. Highest water level 13.98 below lsd, Nov. 6, 1947; lowest 17.77 below lsd, Nov. 11, 1953. Records available: 1946-53. Nov. 11, 17.77.

C-21-63-3da. F. R. Allen. Drilled irrigation water-table well in alluvium, diameter 36 inches, depth 26 feet. Records available: 1953. Nov. 11, 16.63.

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 33.04 below lsd, Apr. 16, 1947. Records available: 1931, 1941-53. Mar. 17, 32.18; Nov. 11, 32.75.

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, 1952; lowest 27.39 below lsd, Mar. 17, 1953. Records available: 1952-53. Apr. 11, 1952, 25.95; Nov. 19, 26.52; Mar. 17, 1953, 27.39.

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 22.50 below lsd, Mar. 17, 1953. Records available: 1944-53. Mar. 17, 22.50; Nov. 11, 22.40.

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: 1934-53. Mar. 17, 18.05; Nov. 11, 19.13.

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 12.95 below lsd, Nov. 11, 1953. Records available: 1941-53. Mar. 17, 11.75; Nov. 11, 12.95.

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 18.72 below lsd, Oct. 22, 1953. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 28, 1947	11.80	Aug. 6, 1948	10.85	May 4, 1949	12.07	Dec. 7, 1950	17.25
Oct. 6	14.83	Sept. 10	13.99	June 6	11.25	Feb. 8, 1951	16.27
Nov. 4	12.40	Oct. 7	16.25	Oct. 19	15.31	Apr. 3	14.54
Dec. 10	12.89	Nov. 1	15.95	Dec. 1	15.66	Oct. 31	17.25
Jan. 2, 1948	13.96	Dec. 6	15.86	Feb. 7, 1950	13.25	Apr. 9, 1952	12.69
Feb. 6	12.55	Jan. 20, 1949	15.43	Apr. 12	14.05	Oct. 20	17.84
Mar. 8	12.30	Feb. 8	15.19	May 31	13.92	Apr. 25, 1953	11.58
Apr. 16	12.64	Mar. 3	14.94	Oct. 18	17.67	Oct. 22	18.72
July 12	10.15	Apr. 8	12.39				

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 26.00 below lsd, Dec. 10 1940. Records available: 1938-53. Mar. 18, 23.59; Nov. 11, 23.30.

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 24.20 below lsd, Apr. 10, 1940. Records available: 1934, 1937-53. Nov. 10, 21.79.

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 15.08 below lsd, Dec. 10, 1940. Records available: 1929-31, 1933-53. Mar. 18, 13.58; Nov. 11, 14.80.

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 33.36 below lsd, Nov. 11, 1953. Records available: 1952-53. Apr. 11, 1952, 33.31; Nov. 19, 1952, 32.38; Mar. 18, 1953, 33.15; Nov. 11, 1953, 33.36.

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 36.72 below lsd, Nov. 11, 1953. Records available: 1951, 1953. Nov. 14, 1951, 32.23; Nov. 11, 1953, 36.72.

C-23-54-22ba. Henry Wunch. Drilled irrigation water-table well in alluvium, diameter 24 inches. Records available: 1952. Nov. 19, 1952, 25.27. No measurement made in 1953.

C-23-54-27bd1. Chas. E. Sabin. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 49 feet. Highest water level 14.39 below lsd, Nov. 14, 1951; lowest 14.98 below lsd, Nov. 11, 1953. Records available:1951, 1953. Nov. 14, 1951, 14.39; Nov. 11, 1953, 14.98.

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 26.72 below lsd, Nov. 11, 1953. Records available: 1952-53. Apr. 11. 1952, 23.66; Mar. 18, 1953, 25.10; Nov. 11, 1953, 26.72.

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 19.21 below lsd, Nov. 19, 1952. Records available: 1951-53. Nov. 14, 1951, 17.36; Nov. 19, 1952, 19.21; Mar. 18, 1953, 17.84.

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 24.86 below lsd, Nov. 10, 1953. Records available: 1951-53. Mar. 28, 1951, 22.27; Nov. 13, 24.25; Apr. 11, 1952, 23.19; Nov. 18, 22.20; Mar. 18, 1953, 22.74; Nov. 10, 24.86.

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 12.23 below lsd, Nov. 10, 1953. Records available: 1944-53. Mar. 18, 11.40; Nov. 10, 12.23.

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 12.99 below lsd, Nov. 10, 1953. Records available: 1944-53. Mar. 18, 9.86; Nov. 10, 12.99.

Pitkin County

C-8-88-27bc. R. O. Sewell. Dug domestic water-table well in alluvium, depth 37 feet. Highest water level 8.21 below lsd, June 19, 1953; lowest dry, Jan. 13, 1950, Apr. 10, 1951, Mar. 18, 1952, Jan. 17, Feb. 14, Feb. 17, Mar. 16, 1953. Records available: 1942-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	31.98	Apr. 15	27.59	July 11	15.44	Oct. 18	22.97
Feb. 14	(f)	May 13	29.16	Aug. 17	19.33	Nov. 19	31.37
Mar. 16	(f)	June 19	8.21	Sept. 10	24.72	Dec. 9	29.09

f Dry.

B-1-63-2ccc--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	59.25	58.81	59.02	.....	.....	67.21	67.90	66.97	66.15
2	.....	.....	.....	59.25	58.80	59.08	.....	.....	67.33	67.94	66.93	66.14
3	.....	.....	.....	59.21	58.80	59.25	62.80	.....	67.32	67.93	66.90	66.11
4	.....	.....	.....	59.19	58.79	59.63	63.00	.....	67.35	67.86	66.89	66.06
5	.....	.....	.....	59.16	58.75	59.59	63.20	.....	67.46	67.80	66.84	66.03
6	.....	.....	.....	59.12	58.92	59.84	63.33	.....	67.51	67.75	66.80	66.02
7	.....	.....	.....	59.17	59.07	59.78	63.50	.....	67.59	67.71	66.80	65.97
8	.....	.....	.....	59.14	59.17	60.00	63.63	.....	67.64	67.67	66.80	65.96
9	.....	.....	.....	59.13	59.29	60.14	63.75	.....	67.69	67.61	66.77	65.95
10	.....	.....	.....	59.11	59.30	60.10	63.85	.....	67.71	67.60	66.74	65.90
11	.....	.....	.....	59.07	59.17	60.07	63.90	66.43	67.79	67.57	66.70	65.89
12	.....	.....	.....	59.07	59.07	60.28	63.90	66.51	67.88	67.53	66.67	65.85
13	.....	.....	.....	59.03	59.01	60.48	64.05	66.60	67.90	67.49	66.63	65.82
14	.....	.....	.....	59.05	.....	60.47	64.21	66.69	67.90	67.45	66.61	65.80
15	.....	.....	.....	59.06	.....	60.43	64.38	66.77	67.89	67.43	66.60	65.76
16	.....	.....	.....	58.99	.....	60.65	64.53	66.82	67.90	67.39	66.57	65.76
17	.....	.....	.....	59.00	58.84	60.75	64.69	66.89	67.99	67.38	66.56	65.72
18	.....	.....	.....	59.01	58.81	60.68	64.80	66.95	68.01	67.36	66.54	65.68
19	60.68	.....	.....	59.01	59.07	60.93	64.90	67.00	68.02	67.33	66.51	65.65
20	60.70	.....	.....	58.92	59.34	61.07	64.97	67.09	68.00	67.30	66.46	65.62
21	60.70	.....	.....	58.91	59.38	61.00	65.10	67.19	67.90	67.27	66.45	65.57
22	60.70	.....	59.38	.....	59.30	60.74	65.21	67.23	67.89	67.25	66.43	65.57
23	60.80	.....	59.39	.....	59.39	60.71	65.32	67.23	67.97	67.20	66.38	65.57
24	60.78	.....	59.37	.....	59.40	.....	65.45	67.21	68.05	67.17	66.37	65.52
25	60.81	.....	59.33	.....	59.49	.....	65.55	67.19	68.10	67.15	.....	65.49
26	60.86	.....	59.33	58.80	59.57	.....	65.66	67.10	68.15	67.13	66.31	65.47
27	60.84	.....	59.30	58.79	59.40	.....	65.75	67.02	68.15	67.10	66.29	65.42
28	60.90	.....	59.28	58.79	59.25	.....	.....	.....	68.13	67.08	66.25	65.37
29	.....		59.22	58.76	59.14	.....	.....	67.11	68.05	67.03	66.23	65.35
30	.....		59.25	58.77	59.09	.....	.....	67.12	67.99	67.00	66.20	65.35
31	.....		59.25		59.03		.....	67.11		66.99		65.32

B-1-63-2dd. H. Scheid. Drilled domestic water-table well in alluvium, diameter 8 inches, depth 53 feet. Land-surface datum is 4,831.5 feet above msl. Highest water level 38.15 below lsd, Oct. 13, 1950; lowest 50.27 below lsd, May 15, 1942. Records available: 1942-51. Measurement discontinued.

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 60.36 below lsd, May 14, 1942. Records available: 1942-53. Apr. 20, 49.96; Oct. 26, 59.77.

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 63.08 below lsd, May 14, 1942. Records available: 1942-53. Apr. 20, 54.26; Oct. 26, 62.05.

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 97.22 below lsd, Nov. 4, 1941. Records available: 1940-53. Apr. 20, 84.71; Oct. 26, 92.66.

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 90.39 below lsd, May 16, 1949; lowest 105.10 below lsd, May 15, 1942. Records available: 1942-53. Apr. 20, 95.02; Oct. 26, 100.50.

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: 1942-53. Apr. 20, 78.30; Oct. 26, 78.80.

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 19.10 below lsd, Dec. 5, 1940. Records available: 1940-53. Mar. 26, 16.41; Nov. 18, 19.60.

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 18.67 below lsd, Nov. 8, 1940. Records available: 1940-53. Apr. 25, 15.55; Oct. 22, 15.64.

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 14.17 below lsd, Apr. 3, 1951. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 26, 1947	12.90	Sept. 10, 1948	11.73	June 6, 1949	10.36	Oct. 20, 1950	11.84
Oct. 6	10.58	Oct. 7	10.52	July 8	11.05	Dec. 7	12.39
Nov. 3	11.40	Nov. 1	11.25	Aug. 4	10.70	Feb. 8, 1951	13.44
Dec. 9	11.77	Dec. 6	11.80	Oct. 19	10.75	Apr. 3	14.17
Jan. 2, 1948	11.92	Jan. 20, 1949	12.67	Dec. 1	11.15	Oct. 31	11.65
Feb. 4	12.83	Feb. 8	12.99	Feb. 7, 1950	11.37	Apr. 10, 1952	14.10
Mar. 8	12.85	Mar. 8	13.22	Apr. 12	13.05	Oct. 20	11.07
Apr. 16	13.73	Apr. 8	13.31	May 31	11.69	Apr. 25, 1953	13.68
June 7	11.99	May 3	13.22	Aug. 4	11.88	Oct. 22	12.10
July 12	11.15						

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 21.00 below lsd, Aug. 21, 1947. Records available: 1947-53.

Aug. 21, 1947	21.00	Sept. 10, 1948	17.13	May 3, 1949	17.05	Dec. 7, 1950	18.77
Nov. 3	15.70	Oct. 7	16.24	Aug. 4	16.20	Feb. 8, 1951	17.19
Dec. 9	16.35	Nov. 1	16.23	Oct. 14	14.55	Apr. 3	17.90
Jan. 2, 1948	16.62	Dec. 6	16.56	Dec. 1	15.59	Oct. 31	16.80
Feb. 4	16.69	Jan. 19, 1949	16.74	Feb. 6, 1950	15.85	Apr. 9, 1952	17.55
Mar. 8	16.79	Feb. 8	16.67	Apr. 6	16.98	Oct. 20	16.70
Apr. 16	17.10	Mar. 8	16.78	May 26	18.49	Apr. 25, 1953	17.42
July 12	15.69	Apr. 8	16.99	Oct. 18	16.82	Oct. 22	17.79

C-1-55-21bd1. A. Blake. Irrigation water-table well in alluvium, depth 41 feet. Highest water level 11.93 below lsd, Dec. 31, 1947; lowest 13.77 below lsd, Oct. 20, 1953. Records available: 1947-53.

Aug. 14, 1947	12.20	Aug. 2, 1948	12.21	July 4, 1949	11.97	Oct. 16, 1950	12.82
Oct. 29	11.98	Sept. 1	12.42	Aug. 4	12.25	Dec. 4	12.59
Dec. 9	11.83	Oct. 7	12.42	Oct. 11	12.39	Feb. 9, 1951	12.36
31	11.93	Nov. 2	12.23	Dec. 1	12.24	Oct. 30	13.22
Feb. 3, 1948	11.84	Dec. 8	12.28	Feb. 6, 1950	12.19	Apr. 1, 1952	12.70
Mar. 8	11.98	Mar. 8, 1949	12.12	Apr. 6	12.11	Oct. 3	13.58
Apr. 14	11.89	Apr. 11	11.95	May 31	12.71	Apr. 8, 1953	12.90
July 5	12.33	May 30	12.50	Aug. 7	12.83	Oct. 20	13.77

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. June 9, 15.53; Nov. 17, 16.93.

B-1-62-13adl. 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 23.07 below lsd, Sept. 19, 1947. Records available: 1947-53.

Sept. 19, 1947	23.07	Sept. 14, 1948	20.53	July 12, 1949	19.32	Dec. 10, 1950	20.02
Oct. 8	22.23	Oct. 4	20.47	Aug. 2	19.68	Feb. 7, 1951	19.78
Nov. 5	21.65	Nov. 3	20.34	Oct. 17	20.14	Apr. 18	19.55
Dec. 4	21.44	Dec. 7	20.34	Dec. 7	18.65	Oct. 29	19.19
Jan. 8, 1948	21.32	Jan. 15, 1949	20.28	Feb. 1, 1950	19.50	Apr. 3, 1952	18.92
Mar. 11	20.98	Feb. 14	20.28	Apr. 10	19.48	Oct. 16	18.29
Apr. 12	20.46	Mar. 15	20.22	Aug. 3	20.88	Oct. 26, 1953	21.37
Aug. 4	20.94	June 16	19.59	Oct. 14	20.43		

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 68.15 below lsd, Sept. 26, 27, 1953. Records available: 1944-53.

B-1-65-4bb1. Paul Dawkins. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 19.62 feet. Highest water level 19.62 below lsd, Nov. 18, 1953; lowest 21.09 below lsd, Oct. 9, 1953. Records available: 1953. Oct. 9, 21.09; Nov. 18, 19.62.

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: 1940-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.69	18.70	18.65	18.67	18.66	19.28	21.52	23.18	23.27	22.28	21.87	21.77
2	.....	18.68	18.67	18.66	18.69	.....	21.82	23.23	23.10	22.20	21.85	21.77
3	.....	18.68	18.70	18.66	18.70	.....	21.91	23.29	22.92	22.12	21.84	21.75
4	.....	18.68	18.70	18.66	18.70	.....	21.96	23.29	22.79	22.09	21.85	21.74
5	.....	18.66	18.68	18.66	18.69	.....	22.02	23.13	22.65	22.03	21.84	21.78
6	.....	18.69	18.68	18.63	18.68	.....	21.98	23.07	22.52	22.01	21.82	21.78
7	.....	18.69	18.70	18.67	18.63	21.00	21.98	23.17	22.48	22.00	21.88	21.76
8	.....	18.68	18.70	18.67	18.61	21.00	22.04	23.34	22.43	21.98	21.88	21.79
9	.....	18.70	18.68	18.67	18.62	20.48	22.13	23.38	22.40	21.96	21.85	21.79
10	.....	18.70	18.67	18.67	18.65	20.52	22.23	23.39	22.37	21.94	21.82	21.75
11	.....	18.70	18.65	18.68	18.66	20.73	22.35	23.49	22.32	21.94	21.81	21.76
12	.....	18.69	18.65	18.68	18.68	20.80	22.52	23.60	22.30	21.93	21.80	21.75
13	.....	18.67	18.63	18.66	18.68	20.80	22.63	23.65	22.30	21.92	21.80	21.76
14	.....	18.68	18.67	18.69	18.63	20.75	22.70	23.71	22.29	21.92	21.80	21.76
15	.....	18.69	18.67	18.69	18.62	20.90	22.70	23.78	22.29	21.91	21.81	21.77
16	.....	18.69	18.66	18.66	18.67	21.08	22.74	23.89	22.29	21.90	21.80	21.78
17	.....	18.69	18.66	18.67	18.67	21.22	22.64	24.00	24.00	21.91	21.79	21.77
18	.....	18.66	18.66	18.70	18.67	21.38	22.46	24.05	22.29	21.91	21.78	21.73
19	18.70	18.65	18.64	18.70	18.66	21.50	22.06	24.11	22.30	21.90	21.79	21.73
20	18.70	.....	18.61	18.69	18.63	21.50	21.93	24.16	22.30	21.90	21.78	21.72
21	18.70	.....	18.66	18.65	18.63	21.50	22.24	24.22	22.31	21.90	.....	21.75
22	18.70	18.69	18.67	18.64	18.64	21.27	22.63	24.28	22.30	21.90	21.78	21.78
23	18.69	18.69	18.69	18.62	18.66	21.50	22.80	24.26	22.30	21.90	21.79	21.78
24	18.70	18.69	18.69	18.65	18.64	21.51	22.95	24.00	22.28	21.89	21.81	21.74
25	18.69	18.69	18.68	18.67	18.66	21.30	23.06	23.98	22.28	21.89	21.81	21.72
26	18.68	18.66	18.66	18.67	18.68	21.00	23.06	24.12	22.29	21.88	21.78	21.72
27	18.69	18.66	18.66	18.63	18.67	20.87	23.20	24.12	22.30	21.87	21.77	21.72
28	18.69	18.66	18.65	18.62	18.64	20.72	23.20	23.92	22.30	21.88	21.78	21.71
29	18.65		18.63	18.62	18.63	20.74	22.93	23.82	22.31	21.86	21.78	21.73
30	18.68		18.65	18.62	18.68	21.10	22.75	23.69	22.31	21.84	21.78	21.75
31	18.69		18.66		18.70		23.02	23.46		21.87		21.73

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 21.21 below lsd, Nov. 18, 1953. Records available: 1940-53. Mar. 26, 18.88; Nov. 18, 21.21.

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 37.55 below lsd. Nov. 18, 1953. Records available: 1940-53. Mar. 26, 34.99; Nov. 18, 37.55.

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. Mar. 25, 19.22.

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: 1929-53. Mar. 25, 17.03; Nov. 18, 12.70.

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: 1929-53. Mar. 25, 19.05; Nov. 18, 18.74.

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 14.05 below lsd, Oct. 26, 1953. Records available: 1947-53.

B-2-62-6cb1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 6, 1947	11.98	Sept. 13, 1948	13.08	June 6, 1949	10.92	Dec. 10, 1950	12.02
Dec. 8	11.95	Oct. 5	13.12	Oct. 18	11.09	Feb. 7, 1951	11.68
Jan. 9, 1948	11.80	Nov. 4	12.90	Dec. 9	10.48	Apr. 18	11.54
Feb. 2	11.80	Dec. 7	12.44	Feb. 1, 1950	10.68	Oct. 24	12.36
Mar. 11	11.96	Jan. 15, 1949	12.37	Apr. 5	10.72	Apr. 3, 1952	11.77
Apr. 12	11.92	Feb. 15	12.73	May 23	10.48	Oct. 16	13.25
June 5	11.79	Mar. 14	12.19	Aug. 3	11.94	Apr. 20, 1953	12.37
July 1	12.29	Apr. 15	11.99	Oct. 13	12.04	Oct. 26	14.05
Aug. 5	12.97	May 9	11.94				

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 28.41 below lsd, Oct. 26, 1953. Records available: 1936-43, 1945-53. Apr. 20, 26.50; Oct. 26, 28.41.

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 40.62 below lsd, Oct. 16, 1952. Records available: 1947-53. Apr. 20, 37.88; Oct. 26, 40.57.

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 28.48 below lsd, Oct. 5, 1948. Records available: 1941-53. Apr. 20, 21.96; Oct. 26, 25.34.

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 42.08 below lsd, Oct. 26, 1953. Records available: 1942-53. Apr. 20, 33.96; Oct. 26, 42.08.

B-2-63-22dc. John Zimbleman. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 100 feet. Land-surface datum is 4,784.7 feet above msl. Highest water level 22.84 below lsd, June 2, 1933; lowest 43.53 below lsd, Oct. 5, 1948. Records available: 1933-34, 1936, 1939-51. Measurement discontinued.

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 54.18 below lsd, Oct. 26, 1953. Records available: 1944-53. Apr. 20, 48.30; Oct. 26, 54.18.

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 48.57 below lsd, Oct. 26, 1953. Records available: 1942-53. Apr. 20, 41.36; Oct. 26, 48.57.

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 25.79 below lsd, Dec. 9, 1949; lowest 32.85 below lsd, Apr. 27, 1944. Records available: 1934-53. Apr. 20, 30.76; Oct. 26, 30.91.

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, 41.95 below lsd, Oct. 26, 1939; lowest 65.43 below lsd, Oct. 26, 1953. Records available: 1938-53. Apr. 20, 55.63; Oct. 26, 65.43.

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 55.40 below lsd, Oct. 26, 1939. Records available: 1934-53. Apr. 20, 47.65; Oct. 26, 53.02.

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 56.01 below lsd, Sept. 3, 1943. Records available: 1937-53. Apr. 20, 48.28; Oct. 26, 52.28.

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 12.46 below lsd, Nov. 18, 1953. Records available: 1940-53. Mar. 26, 11.84; Nov. 18, 12.46.

B-2-65-16bc. Herman Thomason. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 81 feet. Records available: 1953. Nov. 18, 35.01.

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: 1929-53. Mar. 25, 13.36; Nov. 24, 10.65.

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: 1929-53. Mar. 25, 15.14; Nov. 24, 12.08.

B-2-66-29cc. S. J. Rhode. Dug irrigation water-table well in alluvium, diameter 8 feet. Highest water level 15.28 below lsd, Oct. 27, 1947; lowest 21.20 below lsd, May 8, 1941. Records available: 1935-53. Mar. 25, 19.74; Nov. 24, 16.70.

B-3-64-17cc. E. D. Seldin. Drilled irrigation water-table well in alluvium, diameter 30 inches, depth 60 feet. Highest water level 5.30 below lsd, Apr. 29, 1947; lowest 12.51 below lsd, Dec. 5, 1940. Records available: 1940-53. Mar. 26, 8.64; Nov. 18, 11.42.

B-3-64-30ccc. Mrs. Maud C. Hanson. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 57 feet. Highest water level 5.14 below lsd, Apr. 17, 1952; lowest 9.38 below lsd, Nov. 18, 1953. Records available: 1940-53. Mar. 26, 7.20; Nov. 18, 9.38.

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: 1947-53. Mar. 25, 18.04; Nov. 24, 15.15.

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 33.09 below lsd, Apr. 20, 1953. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 18, 1947	22.45	July 1, 1948	23.94	May 2, 1949	32.22	Oct. 17, 1950	23.92
Oct. 9	21.60	Sept. 9	23.75	June 1	29.76	Dec. 15	27.14
Nov. 6	23.73	Oct. 5	23.13	July 4	25.75	Feb. 9, 1951	30.74
Dec. 6	26.22	Nov. 5	23.92	Aug. 1	24.97	Apr. 20	32.17
Jan. 7, 1948	28.64	Dec. 7	26.50	Oct. 14	21.65	Oct. 30	25.75
Feb. 3	30.22	Jan. 16, 1949	29.20	Dec. 8	26.62	Apr. 3, 1952	26.72
Mar. 2	30.30	Feb. 15	30.78	Feb. 2, 1950	30.27	Oct. 9	22.14
Apr. 15	32.17	Mar. 11	31.97	Apr. 5	30.78	Apr. 20, 1953	33.09
June 5	29.32	Apr. 18	32.87	May 24	28.84	Oct. 27	25.87

B-4-64-1ccc-2. Alice St. John. Drilled irrigation water-table well in alluvium, diameter 18 inches. Highest water level 7.50 below lsd, Nov. 9, 1949; lowest 9.11 below lsd, Nov. 17, 1953. Records available: 1949-53. Mar. 25, 8.65; Nov. 17, 9.11.

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 13.07 below lsd, Nov. 13, 1941. Records available: 1940-53. Mar. 25, 8.56; Nov. 17, 10.84.

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: 1940-53. Mar. 25, 15.12; Nov. 17, 17.13.

B-4-65-6da-2. 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 16.55 below lsd, Apr. 4, 1951. Records available: 1949-53. Mar. 25, 14.81; Nov. 17, 12.37.

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 13.56 below lsd, Apr. 17, 1935. Records available: 1929-53. Mar. 25, 10.14; Nov. 17, 10.05.

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 26.47 below lsd, Apr. 4, 1951. Records available: 1945-53. Mar. 25, 26.42; Nov. 17, 24.54.

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 19.00 below lsd, Apr. 4, 1951. Records available: 1951-53. Apr. 4, 1951, 19.00; Dec. 5, 16.00; Apr. 16, 1952, 17.38; Nov. 5, 16.44; Mar. 25, 1953, 17.63; Nov. 17, 17.01.

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. Mar. 25, 20.82; Nov. 17, 18.04.

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 29.45 below lsd, Apr. 4, 1951. Records available: 1939-53. Mar. 25, 28.13; Nov. 17, 24.86.

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 5.54 below lsd, Nov. 8, 1949; lowest 13.72 below lsd, Apr. 4, 1951. Records available: 1941-53. Mar. 25, 11.85; Nov. 17, 9.47.

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: 1942-53. Mar. 25, 7.76; Nov. 17, 6.71.

B-4-66-19ddd-2. 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 21.78 below lsd, Apr. 4, 1951. Records available: 1950-53. Mar. 25, 21.52; Nov. 24, 18.57.

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. Mar. 25, 5.93; Nov. 24, 7.38.

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 25.78 below lsd, May 8, 1941. Records available: 1941-53. Mar. 25, 23.98; Nov. 24, 22.32.

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 21.23 below lsd, Apr. 4, 1951. Records available: 1942-53. Nov. 24, 18.85.

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: 1941-53. Mar. 25, 8.07; Nov. 17, 4.55.

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: 1940-53. Nov. 17, 5.96.

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 8.15 below lsd, Mar. 25, 1953. Records available: 1952-53. Nov. 5, 1952, 6.34; Mar. 25, 1953, 8.15; Nov. 17, 7.20.

B-5-65-13ddc. F. A. Plumb. Dug and drilled irrigation water-table well in alluvium, diameter 14 inches, depth 45 feet. Highest water level 7.41 below lsd, Oct. 4, 1943; lowest 22.80 below lsd, Nov. 11, 1941. Records available: 1938-50. Measurement discontinued.

B-5-65-26bcc. George Alles, Sr. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 45 feet. Highest water level 5.04 below lsd, Oct. 14, 1935; lowest 11.03 below lsd, Apr. 11, 1950. Records available: 1928-53. Mar. 25, 10.50; Nov. 17, 6.70.

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: 1941-53. Mar. 25, 14.55; Nov. 17, 11.40.

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 16.88 below lsd, Nov. 25, 1953. Records available: 1932-53. Apr. 22, 14.53; Nov. 25, 16.88.

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: 1932-53. Apr. 22, 10.63; Nov. 25, 10.40.

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 19.07 below lsd, Nov. 25, 1953. Records available: 1949-53. Apr. 22, 16.14; Nov. 25, 19.07.

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 11.02 below lsd, Dec. 23, 1940. Records available: 1938-53. Apr. 22, 8.72; Nov. 25, 9.50.

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 30.11 below lsd, Apr. 25, 1941. Records available: 1941-53. Apr. 22, 26.42; Nov. 25, 28.41.

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: 1940-53. Apr. 22, 7.90; Nov. 25, 9.45.

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, 1947-53. Apr. 22, 8.05; Nov. 25, 9.56.

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 13.17 below lsd, Apr. 22, 1953. Records available: 1953. Apr. 22, 13.17; Nov. 25, 13.03

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, 1947-53. Apr. 22, 11.04; Nov. 25, 11.23.

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: 1932-53. Apr. 22, 27.11; Nov. 25, 29.34.

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: 1938-53. Apr. 22, 29.62; Nov. 25, 30.53.

B-6-65-21aab. H. N. Bickling. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 64 feet. Highest water level 5.32 below lsd, July 9, 1929; lowest 16.07 below lsd, Apr. 25, 1941. Records available: 1929-52. Measurement discontinued.

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 17.32 below lsd, Apr. 15, 1942. Records available: 1941-53. Apr. 22, 14.06; Nov. 25, 13.79.

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 33.32 below lsd, Nov. 25, 1953. Records available: 1952-53. Nov. 13, 1952, 32.33; Apr. 22, 1953, 29.65; Nov. 25, 33.32.

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: 1941-53. Apr. 22, 15.06; Nov. 24, 14.40.

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: 1941-53. Apr. 22, 6.75; Nov. 24, 7.80.

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, 1941-53. Apr. 22, 6.80; Nov. 24, 8.89.

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, 1947-53. Apr. 22, 35.60; Nov. 25, 38.20.

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, 1947-53. Apr. 22, 12.10; Nov. 25, 14.35.

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, 1950-53. Apr. 22, 5.64; Nov. 25, 5.64.

B-7-65-18cbd. 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 35.35 below lsd, Apr. 15, 1942: Records available: 1929-32, 1935, 1942-48, 1950-53. Apr. 22, 25.50; Nov. 25, 31.90.

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, 1947-53. Apr. 22, 7.58; Nov. 25, 7.66.

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, 1947-53. Apr. 22, 15.20; Nov. 25, 15.90.

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, 1950-53. Apr. 22, 20.25; Nov. 25, 23.36.

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, 1947-53. Apr. 22, 15.08; Nov. 25, 14.88.

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, 1947-53. Apr. 22, 25.40; Nov. 25, 27.65.

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: 1929-53. Apr. 22, 14.70; Nov. 25, 15.38.

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: 1942-53. Apr. 22, 14.31; Nov. 25, 14.54.

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: 1935-53. Apr. 22, 29.60; Nov. 25, 31.94.

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 23.10 below lsd, Nov. 13, 1952. Records available: 1941-53. Apr. 22, 22.21; Nov. 25, 22.42.

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, 1947-53. Apr. 22, 11.90; Nov. 25, 13.95.

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, 1947-53. Apr. 22, 11.16; Nov. 25, 12.46.

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: 1929-53. Apr. 22, 5.18; Nov. 25, 5.14.

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: 1928-53. Apr. 22, 5.51; Nov. 25, 6.15.

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 22.28 below lsd, Nov. 30, 1951. Records available: 1931, 1940-53. Apr. 22, 20.31; Nov. 25, 21.99.

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 21.98 below lsd, Nov. 25, 1953. Records available: 1929-53. Apr. 22, 21.54; Nov. 25, 21.98.

B-8-66-26cbb-2. 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. Apr. 22, 25.72; Nov. 25, 24.75.

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 25.48 below lsd, Apr. 22, 1953. Records available: 1953. Apr. 22, 25.48; Nov. 25, 24.52.

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 1953.

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. Apr. 22, 24.00.

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. Apr. 22, 44.37.

IDAHO

By J. W. Stewart, H. G. Sisco, and R. F. Ragsdale

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 Ada and Canyon Counties were made in collaboration with the Nampa-Meridian Irrigation District; in the Rathdrum Valley, Kootenai County, in collaboration with the Washington Water Power Company and the Idaho Department of Fish and Game; in the Snake River Plain in collaboration with the United States Bureau of Reclamation and the Atomic Energy Commission. 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. A study of the artesian ground-water conditions in the Bruneau-Grandview area was begun in cooperation with the State agency, and a special ground-water investigation in the Boise Valley of Ada and Canyon Counties was begun as a noncooperative Federal project. At the end of the year measurements were being made in 95 observation wells in 16 of the 44 counties in Idaho. Ten recording gages and two nonrecording gages were operated throughout the year. (See figs. 10-13.)

The following mimeographed reports containing well records and water-level measurements were released to the open file in 1953: Records of wells, ground-water levels, and ground-water withdrawals in the lower Goose Creek basin, Cassia County, Idaho, by R. W. Mower; Records of wells and ground-water levels in eastern Jerome County, Idaho, by R. W. Mower; Records of wells in western Jefferson County, Idaho, by J. T. Barraclough; Records of wells and water-level fluctuations in western Bingham County, Idaho, by Eugene Shuter.

Interpretation of Water-Level Fluctuations

Observation wells in the Boise Valley of Ada and Canyon Counties are in a heavily irrigated area of approximately 350 square miles. A principal source of ground-water recharge in the valley is seepage losses from the large quantity of surface water that is diverted for irrigation. The effects of local precipitation on water-level fluctuations in the valley are largely masked by the effects of recharge by seepage losses from irrigation. In addition, local complications in water-level fluctuations are introduced by drainage canals and pumped drainage wells. Water levels in 3 of 9 wells in the valley, for which long-term records are available, reached new high levels in 1953 during the latter part of the irrigation season. Eight of the wells showed rises during the year ranging from 0.05 foot to 3 feet, in contrast to 1952 when 7 wells showed small net declines. The net rise of water levels in wells is attributed partly to above-normal precipitation in the area during 1953. Figure 14 shows the long-term water-level records for wells 4N 1W-36da1 and 3N 2W-25aa1 in the Boise Valley. Well 7N 2E-34ca1, in Boise County, fluctuated within its normal range and the year-end water level was 0.2 foot above that of 1952. This well in a mountain valley area represents the natural ground-water storage available to maintain the dry-season flow of local streams. There was no appreciable change in the water level in well 3N 41E-6cb1, in Bonneville County, near the edge of an extensive irrigated area in the eastern Snake River Plain. A hydrograph of the water level in this well is shown in figure 15. Wells in the Raft River valley, Cassia County, ranged slightly below normal and did not show appreciable net changes in storage, despite increased use of ground water for irrigation development. Irrigation withdrawals in 1953 were estimated to be about 26,000 acre-feet, an increase of 13 percent over 1952. In the Rathdrum Valley of Kootenai County, water levels were slightly below normal at the end of the year. In the northeastern part of the Rathdrum Valley, water levels in wells are influenced by underground seepage from Pend Oreille Lake and attain their highest water levels in late spring when the stage of the lake is at its maximum. Wells in the southwestern part are sufficiently distant from the lake so that their water levels are influenced chiefly by regional factors in ground-water recharge in the area. Figure 16 shows the long-term water-level record for well 53N 4W-24bb1, approximately 10 miles southwest of Pend Oreille Lake. The water level in the well declined about 4 feet during the year, and the net rise since 1941, the start of a wet cycle, was about 16 feet. Latah County well 39N 5W-7dd1, a nonflowing artesian well in the Moscow Basin, had a net decline of about 4.5 feet, continuing the declining trend observed in previous years. In well 39N 5W-10ac1, a shallow water-table well east of the Moscow Basin, the water level increased about 0.5 foot, probably as a result of above-normal precipitation in the area. In the Malad Valley of Oneida County, 2 of 21 observed wells reached record high levels,

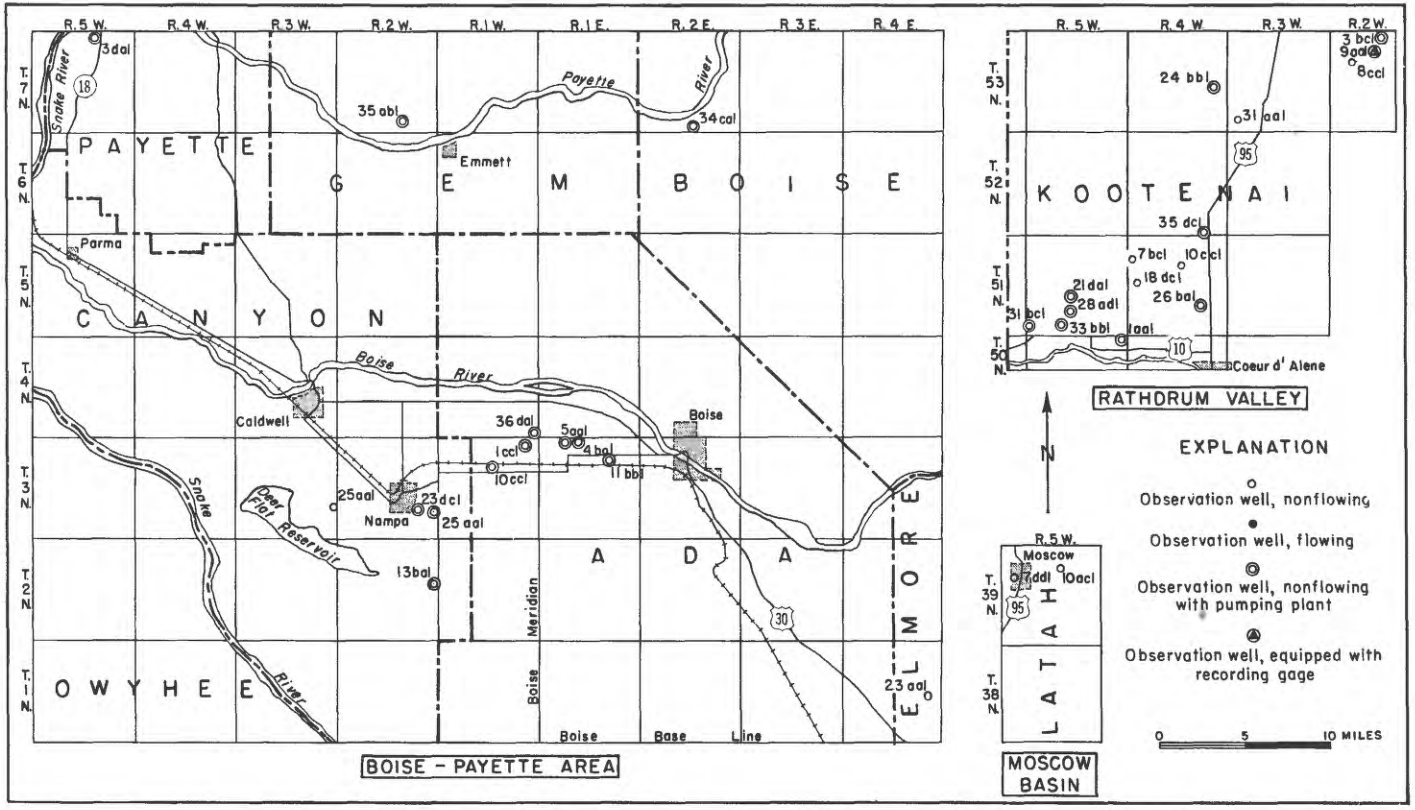


Figure 10. --Location of observation wells in Boise-Payette area, Rathdrum Valley, and Moscow Basin, Idaho, 1953.

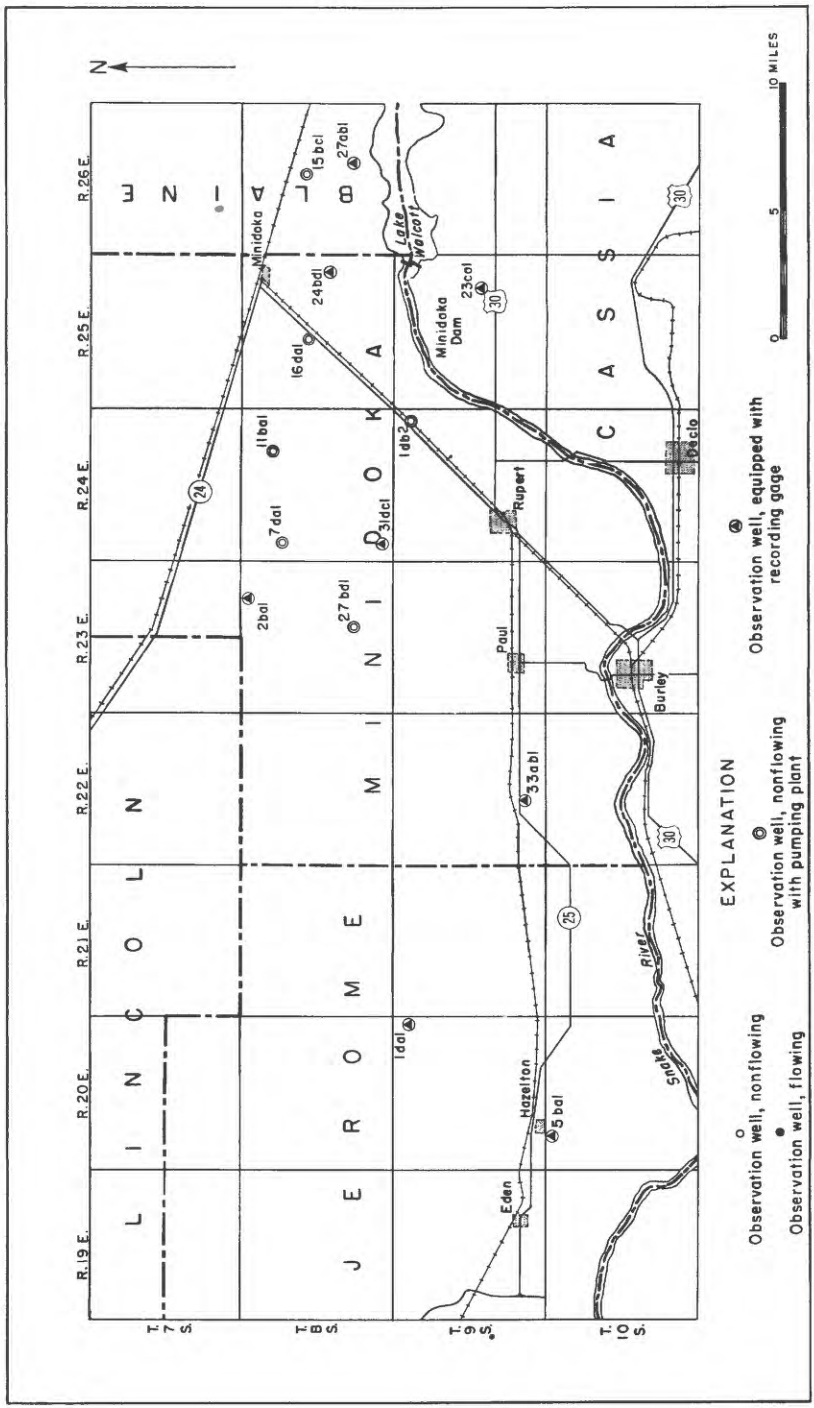


Figure 11. --Location of observation wells in western Snake River Plain, Idaho, 1953.

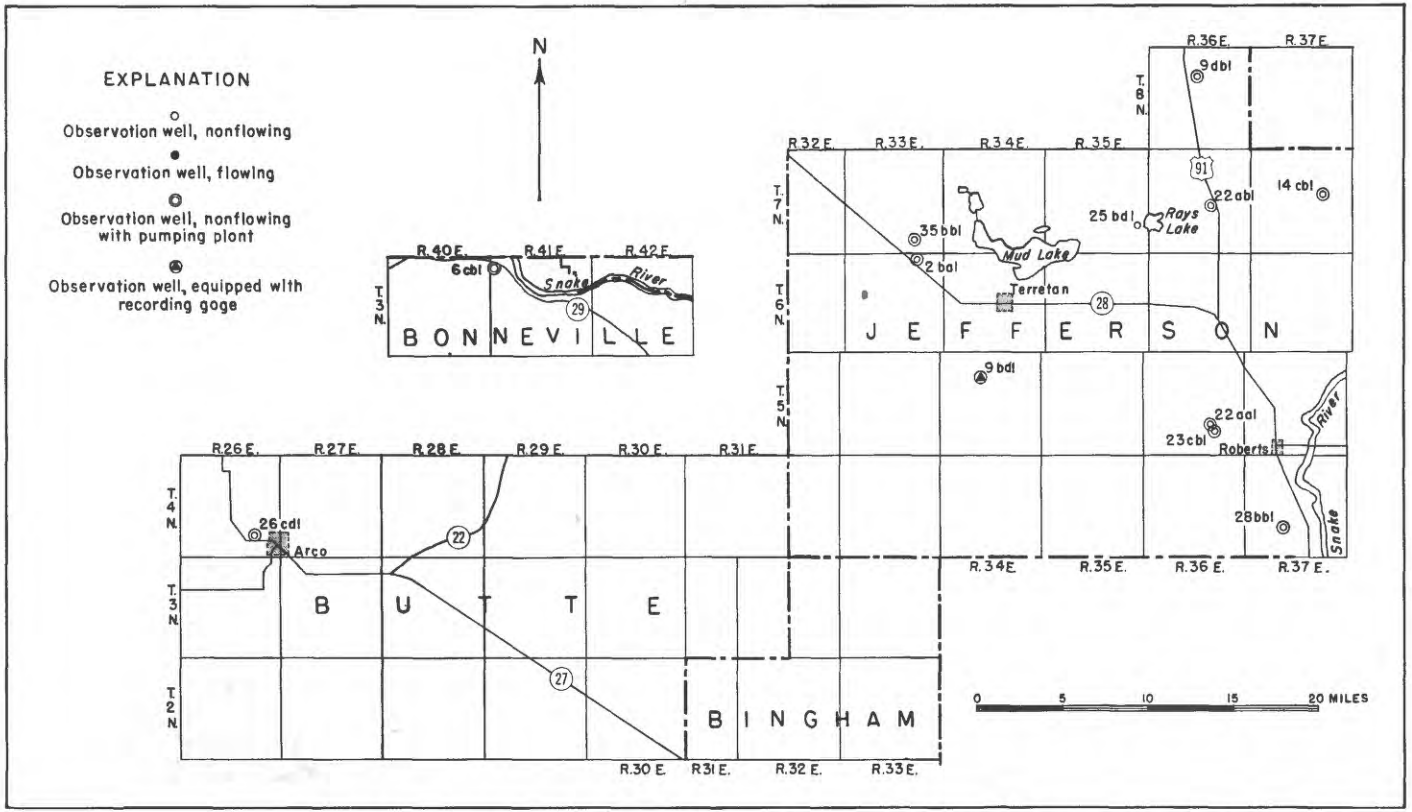


Figure 12. --Location of observation wells in eastern Snake River Plain, Idaho, 1953.

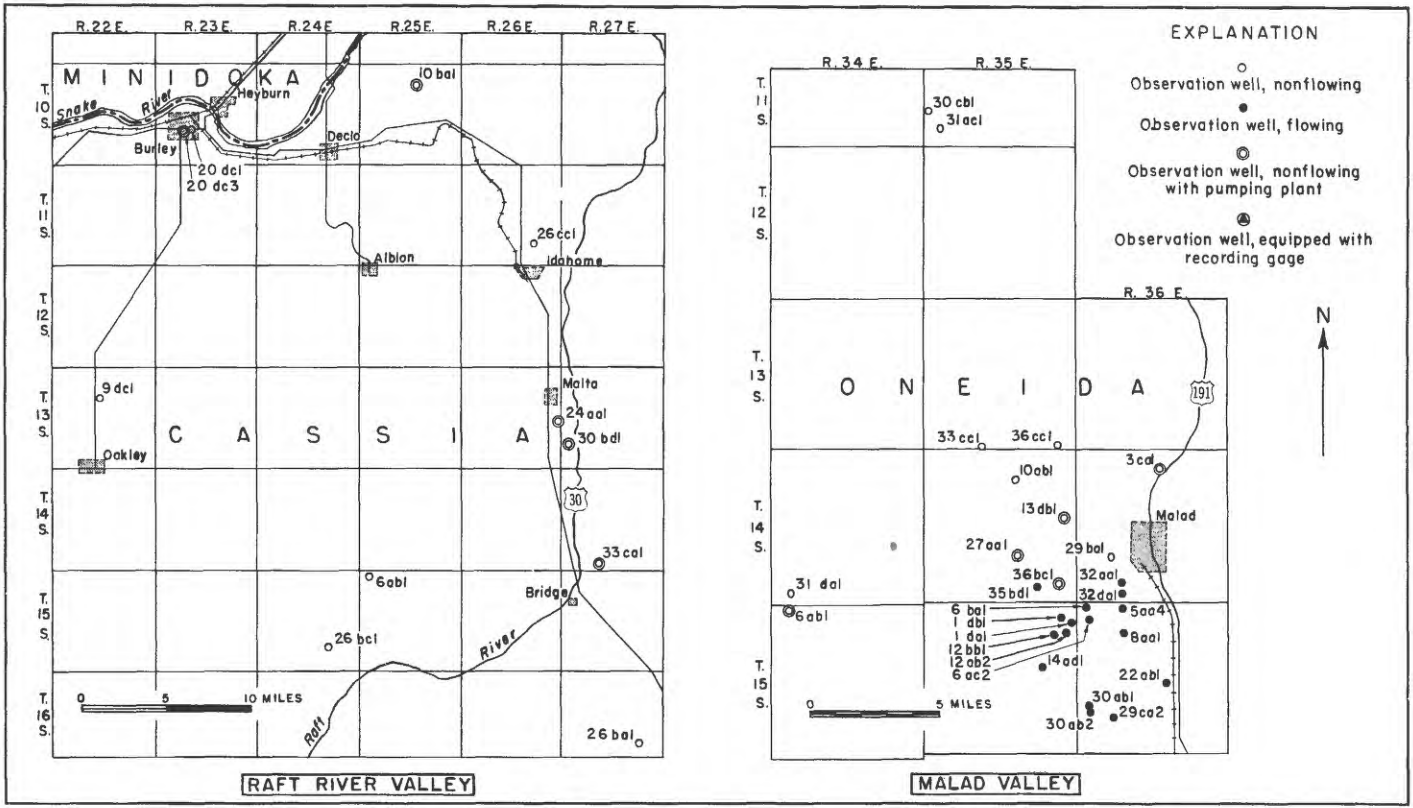


Figure 13. --Location of observation wells in Raft River Valley, Cassia County, and Malad Valley, Oneida County, Idaho, 1953.

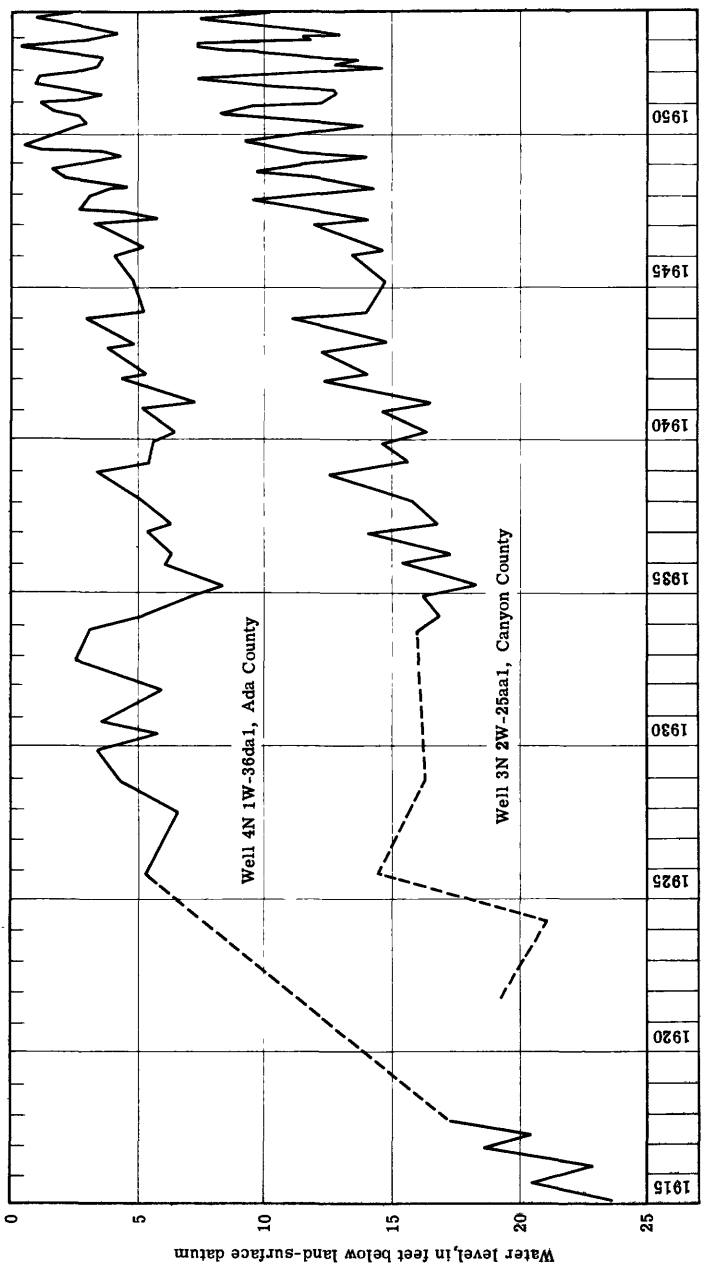


Figure 14.--Water levels in wells 4N 1W-36da1 and 3N 2W-25aa1 in Boise Valley, Ada and Canyon Counties, Idaho, 1915-53.

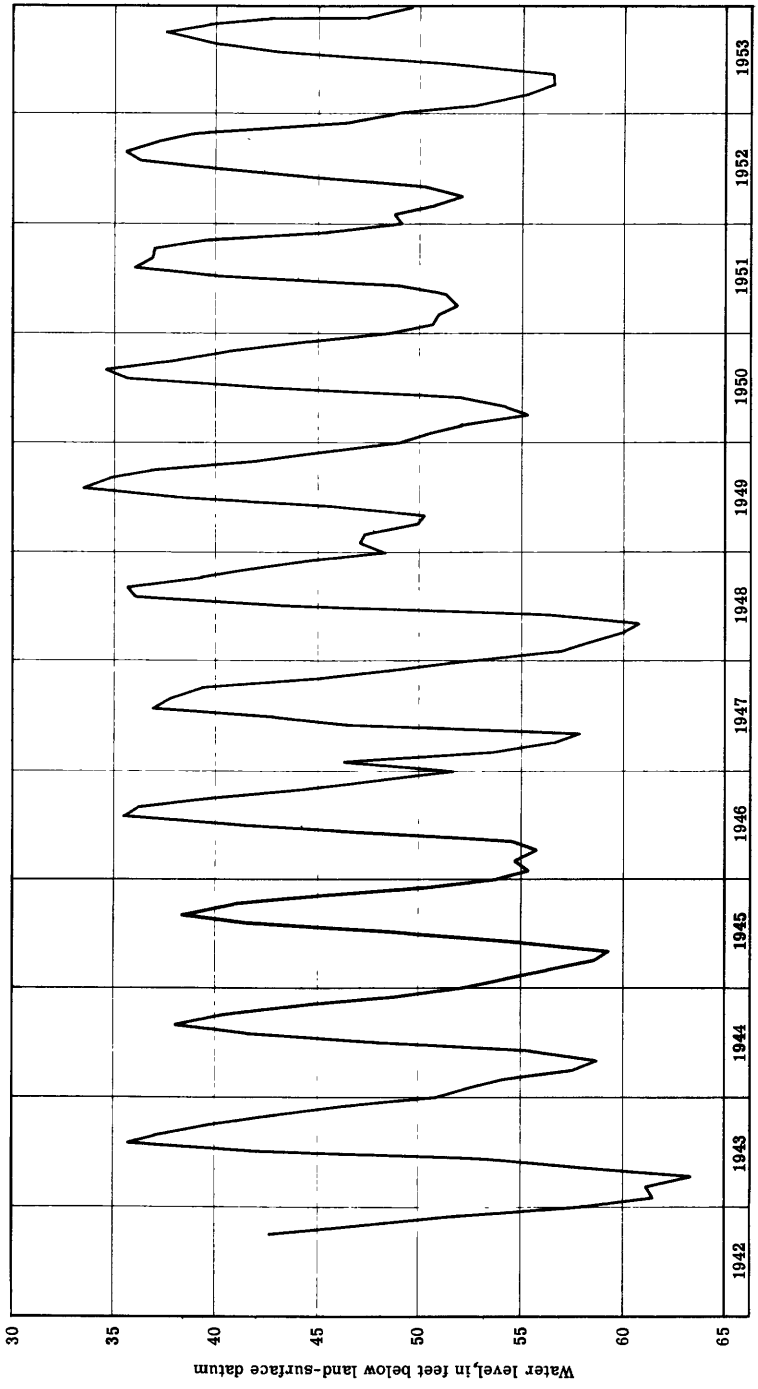


Figure 15. --Water level in well 3N 41E-6cb1, Bonneville County, Idaho, 1942-53.

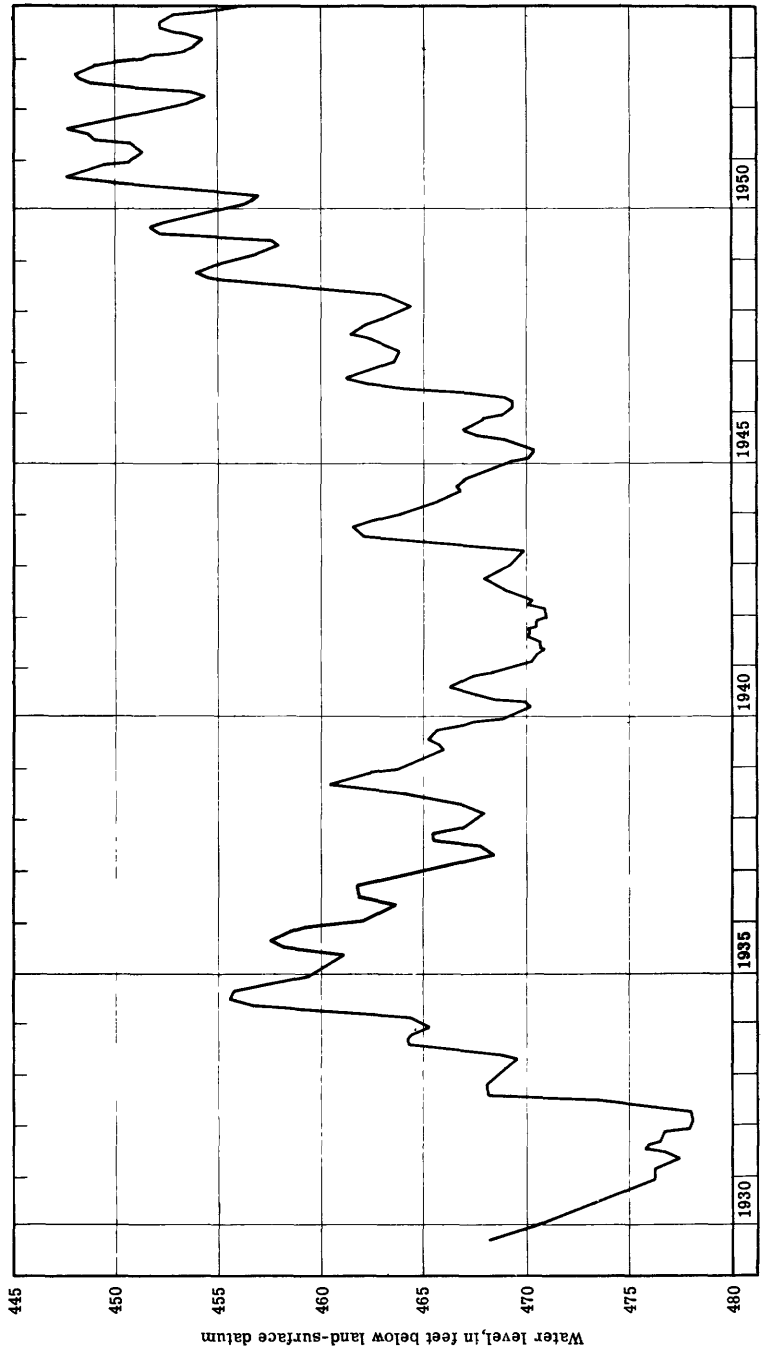


Figure 16.--Water level in well 53N 4W-24bb1, Kootenai County, Idaho, 1930-53.

and in one well a new record low was established. In 11 of the wells water levels were 0.6 foot to 7.4 feet above the 1952 year-end levels; in other wells water levels were 0.1 foot to 6.1 feet below the 1952 year-end levels. Precipitation in the Malad Valley was below normal in 1953 and below that of 1952. Differences between wells in net changes of water levels and in departures from average are partly a result of local pumpage and discharge by flowing wells. The wells in this area characteristically reach their highest levels during the period February to April. Water levels in well 5N 34E-9bd1 in Jefferson County fluctuate in response to changes in barometric pressure as well as to other factors. Although the barometric efficiency of the well is about 60 percent, the water levels reported have not been adjusted for the effects of barometric pressure. Water-level fluctuations in 1953 in most observation wells with 6 or more years of record are summarized in the following table:

Changes in water levels in observation wells and precipitation in Idaho, 1953

Water levels, in feet			Precipitation, in inches, at nearest U. S. Weather Bureau Station			
County and well number	Net change	Departure from average	Station	Total precipitation	Departure from normal	Net departure from 1952 total
Ada:						
4N 1W-36da1	+0.05	+2.87	Meridian	14.12	+2.44	
3N 1W- 1cc1	+1.40	+1.30				
10cc1	+1.71	+1.09				
3N 1E- 4ba1	+1.0	+9.02	Nampa	11.09	+3.65	+3.65
5aa1	-.80	-.68	Boise Airport	13.80	+.66	+4.58
11bb1	+3.02	+3.14				
Boise:						
7N 2E-34ca1	+.20	+1.23	Emmett	17.71	+8.20	+7.23
Bonneville:						
3N 41E-6cb1	-.10	-2.39	Ririe	closed		
Canyon:						
3N 3W-25aa1	+.70	+.47	Caldwell	14.12	+3.91	+5.00
3N 2W-23dc1	+.33	+.76	Nampa	11.09	+3.65	+3.65
25aa1	+.80	+1.55				
Cassia:						
13S 26E-24aa1	-.08	-1.05				
16S 27E-26ba1	-1.50	-2.22				
Jefferson:						
7N 35E-25bd1	+.75	-.17	Hamer	4.66	-3.14	-4.43
Kootenai:						
53N 4W-24bb1	-4.10	+10.20				
53N 2W- 3bc1		+1.36	Coeur d'Alene RS	24.19	-.16	+7.72
9aa1		+1.04	Coeur d'Alene CAA	closed		
51N 5W-33bb1	-2.7	+5.83				
50N 5W- 1aa1	-3.6	+8.37				
Latah:						
39N 5W- 7dd1	-4.48	-17.21	Moscow	24.86	+3.16	+10.12
10ac1	+.46	-.80				
Oneida:						
14S 35E-10ab1	-.10	-.02				
13db1	+.63	-2.48				
27aa1	-6.14	-3.68				
35bd1	+1 50	-7.35				
36bc1	-1.85	-1.14				
14S 36E- 3ca1	+6.95	+2.92				
29ba1	+1.51	-.78				
32aa1	-.40	-1.49				
32da1	+.70	-.10				
15S 35E- 1da1	+1.70	-3.94				
1db1	-2.9	-2.68				
12ab2	-2.4	-1.60	Malad	10.58	-4.43	-.40
12bb1	-2.3	-5.44	Malad Airport	8.81	+1.82	-1.82
14ad1	-.6	+.81				

Changes in water levels in observation wells and precipitation in Idaho, 1953--Cont.

Water levels, in feet			Precipitation, in inches, at nearest U. S. Weather Bureau Station			
County and well number	Net change	Departure from average	Station	Total precipitation	Departure from normal	Net departure from 1952 total
Oneida--Cont.						
15S 36E- 5aa4	±.0	-.22				
6ac2	+1.7	+1.31				
6ba1	-4.9	-3.11				
8aa1	+7.4	+6.34				
29ca2	+2.9	-.18				
30ab1	+1.6	-1.33				
30ab2	+1.4	+.09				
Payette:						
7N 5W- 3da1	+.3	+.67	Payette	13.30	+2.43	+.68

Water levels, in feet, in observation wells in Idaho, 1953

County and well number	Length of record (years)	Highest		Lowest		Extreme observed range	Year-end water level 1953			
		Water level	Date	Water level	Date		Water level	Date	Above or below 1952	Above lowest level %
Ada:										
4N 1W-36da1	a31	0.28	9- 5-52	23.7	2- 9-15	23.4	2.36	12-23-53	+0.05	91
3N 1W- 1cc1	b23	5.74	8-31-50	18.7	4-14-15	13.0	8.06	12-23-53	+1.40	82
10cc1	b35	1.30	9-22-49	11.0	Dec. 1913	9.7	2.98	12-23-53	+1.71	83
3N 1E- 4ba1	a25	8.10	8-26-53	27.6	11-26-26	19.5	8.1	8-26-53	+1.0	100
5aa1	21	5.0	8-30-49	21.3	3-23-35	16.3	13.0	12-22-53	-0.80	51
11bb1	30	3.72	9- 5-52	42.4	3-31-24	16.2	6.28	12-23-53	+3.02	84
Boise:										
7N 2E-34ca1	11	31.6	5-12-43	42.4	7-26-50 8- 9-50	10.8	37.1	12-30-53	+0.20	49
Bonneville:										
3N 41E-6cb1	b14	33.5	7-30-49	63.4	3-27-43	29.9	49.4	12-13-53	-0.10	47
Canyon:										
3N 3W-25aa1	21	5.91	8-21-53	13.83	6-19-53	7.9	10.27	12-23-53	+0.70	45
3N 2W-23dc1	b28	16.64	9- 5-52 10-12-52	28.8	11-18-29	12.2	19.49	12-23-53	+0.33	76
25aa1	b25	7.3	9-18-53	21.0	4-21-24	13.7	11.1	12-23-53	+0.80	72
Cassia:										
13S 26E-24aa1	13	2.07	5-19-49	8.64	11- 7-49	6.57	6.18	12- 2-53	-0.08	37
16S 27E-26ba1	a17	10.41	8-28-51	36.4	4-22-50 3-21-53 5-19-53	26.0	20.56	12- 2-53	-1.50	61
Jefferson:										
7N 35E-25bd1	a20	2.80	12-10-31	12.67	7-18-50	9.87	7.13	12-17-53	+0.75	56
Kootenai:										
53N 4W-24bb1	25	447.6	8-21-50 7-16-51 7-23-51	478.1	1-15-32	30.5	455.4	12-28-53	-4.10	74
53N 2W- 3bc1	11	202	5-26-49	228	11-14-44	26				
9aa1	11	228	6- 8-48	252	1- 2-44 10-30-44	24	242.8	12-31-53	-0.7	41
51N 5W-33bb1	26	134.1	6-29-50	166.6	2-11-32	32.5	146.2	12-17-53	-2.7	63
50N 5W- 1aa1	25	176.1	9- 1-50	212.3	12- 8-31	36.2	187.6	12-17-53	-3.6	68
Latah:										
39N 5W- 7dd1	a11	50.10	4-19-38	77.35	8-23-53	27.25	76.67	10-23-53	-4.48	1
10ac1	a14	5.97	3-21-49	17.61	2- 1-37	11.64	14.91	10-23-53	+0.46	23

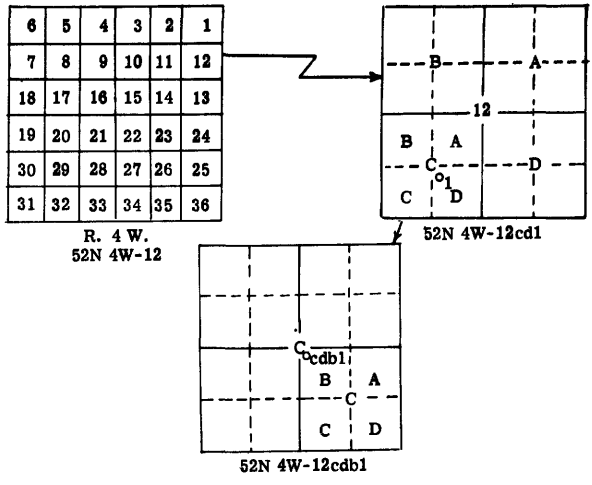
Water levels, in feet, in observation wells in Idaho, 1953--Cont.

County and well number	Length of record (years)	Highest		Lowest		Extreme observed range	Year-end water level 1953			
		Water level	Date	Water level	Date		Water level	Date	Above or below 1952	Above lowest level %
Oneida:										
14S 35E-10ab1	12	115.4	5- 4-48	124.6	10-13-47	9.2	118.3	4-26-53	-0.10	68
13db1	11	66.07	4-26-53	76.34	10-21-44	10.27	73.17	11- 5-53	+0.63	31
27aa1	11	52.65	4- 9-47	60.19	11- 5-53	7.54	60.19	11- 5-53	-6.14	00
35bd1	11	+29.0	2-25-46	+10.50	9- 7-50	18.5	+14.6	11- 5-53	+1.50	22
36bc1	11	15.69	4- 1-47	22.49	9-27-49	6.80	19.31	11- 5-53	-1.85	47
14S 36E- 3ca1	a13	59.15	10-16-32	74.22	9-14-51	15.07	67.26	11- 5-53	+6.95	47
29ba1	12	22.42	5- 5-52	33.40	9- 7-50	10.99	28.42	11- 5-53	+1.51	64
32aa1	11	+7.6	5- 2-44 2-25-46	-0.8	10-24-48	8.4	+2.5	11- 4-53	-0.40	39
32da1	13	+4.7	5- 6-52	-1.3	9-27-49	6.0	+1.2	11- 4-53	+0.70	42
15S 35E- 1da1	10	+33.1	5- 3-44	+16.9	9- 7-50	16.2	+22.7	11- 4-53	+1.70	36
1db1	11	+25.9	5- 3-44	+8.6	9- 7-50	17.3	+17.3	11- 4-53	-2.9	50
12ab2	11	+25.8	5- 6-52	+13.0	5- 5-48	12.8	+17.5	11- 4-53	-2.4	35
12bb1	11	+14.5	4- 1-47	+0.1	9- 7-50	14.4	+3.0	11- 4-53	-2.3	20
14ad1	11	+7.1	5- 6-52	+1.9	5- 3-44	5.2	+6.5	11- 4-53	-0.6	88
15S 36E- 5aa4	b12	+17.0	2-28-51	+7.9	9-27-49	9.1	+12.9	11- 4-53	±0.0	55
6ac2	11	+17.0	2-28-51	+7.0	9-27-49	10.0	+13.6	4-26-53	+1.7	66
6ba1	11	+23.1	5- 4-44 4-26-53	+8.0	9- 7-50	15.1	+13.0	11- 4-53	-4.9	33
8aa1	11	+24.0	3-20-52	+11.8	6-29-43	12.2	+23.0	11- 4-53	+7.4	92
29ca2	11	+14.7	5- 6-52	+3.2	9- 7-50	11.5	+10.7	11- 5-53	+2.9	65
30ab1	11	+14.9	5- 3-44	+8.8	9- 7-50	6.1	+11.7	11- 5-53	+1.6	48
30ab2	11	+13.2	5- 6-52	+9.0	9- 7-50	4.2	+11.1	11- 5-53	+1.4	50
Payette:										
7N 5W- 3da1	13	31.0	9-12-49 10- 7-49	43.3	4-27-49 5- 3-49	12.3	37.6	12-28-53	+0.3	46

a Discontinuous record.
b Intermittent record.

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 in which the well is situated. The lowercase letters following 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 third the 10-acre tract in which the well occurs. The letters are assigned in a counterclockwise direction, beginning in the northeast quarter. Thus well 52N 4W-1cd1 is in the SE¼SW¼ sec. 12, T. 52 N., R., 4 W. The numeral following the third segment of the well number is the serial number of the well within the tract.



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. Formerly Richard Foster. 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, 1927-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	2.84	Apr. 19	4.70	July 20	2.52	Oct. 23	1.13
Feb. 19	3.27	May 22	3.50	Aug. 21	1.53	Nov. 20	2.11
Mar. 19	4.19	June 19	3.33	Sept. 18	1.02	Dec. 23	2.36

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). 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, 1938-53.

Jan. 19	9.80	Apr. 19	10.86	Aug. 21	6.39	Oct. 23	7.52
Feb. 19	9.68	May 22	8.90	Sept. 17	6.50	Nov. 20	9.36
Mar. 4	10.00	June 19	8.05	18	6.46	Dec. 23	8.06
19	10.77	July 20	7.43	Oct. 20	7.47		

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, 1927-53.

Jan. 19	4.79	Apr. 19	4.45	July 20	1.61	Oct. 23	3.03
Feb. 19	4.65	May 22	2.78	Aug. 21	2.12	Nov. 20	4.05
Mar. 19	4.78	June 19	3.64	Sept. 18	1.94	Dec. 23	2.98

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. Mar. 9, 17.6; Aug. 26, 8.1.

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). Highest water level 5.0 below lsd, Aug. 30, 1949; lowest 21.3 below lsd, Mar. 23, 1935. Records available: 1933-53. Water level influenced by local irrigation.

Jan. 5	12.9	Apr. 14	16.0	July 15	11.7	Oct. 6	7.6
14	13.2	21	15.5	21	10.9	13	7.9
21	13.4	28	15.5	28	11.3	20	8.6
27	13.6	May 5	15.3	Aug. 4	10.4	28	9.4
Feb. 3	13.7	12	14.0	11	10.2	Nov. 3	9.8
10	13.9	19	13.6	19	10.3	10	10.2
17	13.9	26	13.2	25	8.2	17	10.7
24	14.2	June 2	13.2	Sept. 1	8.9	24	12.2
Mar. 3	14.5	9	13.6	8	9.0	Dec. 1	13.2
11	14.7	16	13.6	15	6.6	8	12.9
24	15.2	23	13.6	22	7.6	15	13.0
31	15.5	30	13.4	29	7.6	22	13.0
Apr. 7	15.5	July 7	11.1				

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 3.72 below lsd, Sept. 5, 1952; lowest 19.9 below lsd, Mar. 31, 1924. Records available: 1924-53.

Jan. 19	8.70	Apr. 19	10.59	July 20	4.41	Oct. 23	5.96
Feb. 19	9.69	May 22	6.58	Aug. 21	4.42	Nov. 20	8.07
Mar. 19	10.56	June 19	7.48	Sept. 18	4.11	Dec. 23	6.28

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 is 1929, Pacific Northwest Supplementary Adjustment of 1947. Water level reflects regional storage. Highest water level 168.5 below lsd, Mar. 19, 1953; lowest 177.3 below lsd, Feb. 26, 1949. Records available: 1948-53. Mar. 19, 168.5; July 28, 172.6; Sept. 25, 168.7.

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: 1951-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	127.4	127.5	127.2	127.8	127.8	127.4	127.5	127.3	126.5	126.2	126.1	.....
2	127.6	127.5	127.6	127.9	128.0	127.4	127.5	127.3	126.5	126.5	126.1	.....
3	127.5	127.5	127.9	127.8	128.0	127.5	127.4	127.2	126.7	126.5	126.1	.....
4	127.3	127.5	127.9	127.8	127.9	127.4	127.5	127.4	126.6	126.4	126.1	126.1
5	127.1	127.5	127.8	127.7	127.8	127.3	127.5	127.3	126.5	126.3	125.8	126.6
6	127.0	127.6	127.8	127.5	127.6	127.3	127.5	127.2	126.5	126.3	126.0	126.4
7	127.2	127.4	127.9	127.5	127.5	127.2	127.5	127.2	.....	126.3	126.4	126.3
8	127.5	127.4	127.8	127.5	127.6	127.4	127.5	127.3	126.4	126.3	126.3	.....
9	127.5	127.7	127.6	127.9	127.7	127.3	127.5	127.2	126.5	126.2	126.2	126.6
10	127.5	127.7	127.5	127.7	127.8	127.4	127.5	127.2	126.5	126.1	126.0	126.4
11	127.3	127.6	127.8	127.8	127.7	127.4	127.5	127.2	126.5	126.2	126.2	126.7
12	127.3	127.7	127.7	127.7	127.7	127.3	127.5	127.1	126.4	126.2	126.0	126.7
13	127.2	127.5	127.7	127.6	127.7	127.5	127.4	127.1	126.4	126.2	126.1	126.7
14	127.3	127.4	127.9	127.6	127.5	127.3	127.4	127.1	126.4	126.2	126.1	126.6
15	.....	127.6	127.7	127.9	127.5	127.3	127.5	127.0	126.3	126.2	126.3	126.5
16	127.4	127.7	127.7	127.6	127.6	127.2	127.6	126.9	126.3	126.2	126.0	126.6
17	127.2	127.3	127.8	127.5	127.7	127.3	127.5	127.0	126.3	126.1	126.0	126.6
18	127.3	127.5	127.8	127.9	127.7	127.2	127.5	127.0	126.5	126.0	.....	126.6
19	127.5	127.7	127.5	127.9	127.5	127.3	127.5	126.9	126.4	126.2	.....	126.6
20	127.2	127.7	127.5	127.7	127.5	127.5	127.5	126.8	126.4	126.2	.....	126.6
21	127.6	127.8	127.7	127.7	127.4	127.5	127.6	126.8	126.3	126.2	.....	126.7
22	.....	.....	127.7	127.7	127.7	127.4	127.5	126.9	126.4	126.2	.....	.....
23	127.6	.....	127.9	127.7	127.3	127.4	127.5	126.7	126.5	126.0	.....	.....
24	127.5	.....	127.8	127.8	127.4	127.5	127.3	126.5	126.5	126.0	.....	.....
25	127.3	.....	127.7	127.8	127.5	127.4	127.4	126.7	126.2	126.2	.....	.....
26	127.5	127.7	127.9	127.7	127.5	127.4	127.5	126.6	126.3	126.2	.....	126.6
27	127.7	127.7	127.8	127.5	127.5	127.5	127.5	126.6	126.2	126.2	.....	126.7
28	127.6	127.5	127.6	127.4	127.3	127.3	127.4	126.6	126.3	126.2	.....	126.5
29	127.5		127.7	127.7	127.3	127.4	127.3	126.5	126.4	126.0	.....	126.7
30	127.5		127.8	127.6	127.5	127.4	127.3	126.6	126.3	126.2	.....	.....
31	127.7		127.8		127.4		127.3	126.6		126.2		126.7

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: 1943-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	35.3	Apr. 8	33.4	July 8	38.0	Oct. 7	39.2
14	35.1	15	33.7	15	38.7	14	38.4
21	35.0	22	34.1	22	38.7	21	38.3
28	34.8	29	34.8	29	38.5	28	38.7
Feb. 4	34.3	May 6	36.5	Aug. 5	38.4	Nov. 4	38.0
11	34.3	13	36.5	12	38.9	11	37.7
18	34.8	20	35.6	19	39.4	18	37.6
25	33.5	27	35.8	26	39.6	25	37.7
Mar. 4	34.8	June 3	35.8	Sept. 2	40.3	Dec. 2	37.3
11	35.2	10	35.7	9	39.7	9	37.1
18	33.6	17	35.8	16	39.4	16	37.0
25	33.4	24	37.0	23	39.1	23	37.1
26	33.6	July 1	37.8	30	38.4	30	37.1
Apr. 1	33.8						

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, 1942-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	49.5	Apr. 5	56.6	June 27	45.1	Sept. 19	37.4
24	51.3	11	56.7	July 6	42.9	Oct. 18	39.8
31	51.9	18	57.0	11	42.4	25	40.9
Feb. 9	52.6	26	56.9	19	41.3	31	41.7
14	53.7	May 3	56.5	25	40.5	Nov. 8	42.8
22	53.8	10	56.5	Aug. 1	39.3	21	44.5
28	54.3	16	55.5	8	38.9	28	45.4
Mar. 7	55.1	23	54.1	15	38.1	Dec. 13	47.6
15	55.6	June 7	51.6	22	37.5	19	48.3
21	56.1	14	50.1	29	37.2	28	49.4
28	56.4	20	48.1				

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: 1949-53.

Jan. 6	38.79	May 13	39.76	July 6	38.23	Aug. 24	37.74
Feb. 14	38.99	18	39.80	16	38.05	Sept. 11	38.04
Mar. 20	39.52	25	39.64	20	38.02	14	38.10
Apr. 6	39.35	June 3	39.48	28	37.95	21	38.15
13	39.49	13	39.41	Aug. 3	37.82	Oct. 7	38.27
21	39.65	16	39.18	10	37.84	Nov. 24	38.76
29	39.61	22	38.61	17	37.81	Dec. 16	38.95
May 4	39.84	29	38.45				

Canyon County

3N 3W-25aa1. Charles Imberg. Drilled unused water-table well, diameter 6 inches, reported depth 145 feet. Land-surface datum is 2,461.8 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 5.91 below lsd, Aug. 21, 1953; lowest 13.83 below lsd, June 19, 1953. Records available: 1933-53.

Feb. 19	10.90	May 22	12.23	July 20	10.15	Oct. 23	11.62
Mar. 19	12.16	June 19	13.83	Aug. 21	5.91	Dec. 23	10.27
Apr. 19	12.52						

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 16.64 below lsd, Sept. 5, Oct. 12, 1952; lowest 28.8 below lsd, Nov. 18, 1929. Records available: 1921, 1925, 1928-53.

Jan. 19	20.30	Apr. 19	21.82	July 20	19.12	Oct. 23	17.17
Feb. 19	21.30	May 22	19.53	Aug. 21	17.94	Nov. 20	18.66
Mar. 19	21.55	June 19	19.17	Sept. 18	16.92	Dec. 23	19.49

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 7.3 below lsd, Sept. 18, 1953; lowest 21.0 below lsd, Apr. 21, 1924. Records available: 1921, 1924-25, 1928, 1933-53.

Jan. 19	11.8	Apr. 19	12.9	July 20	9.6	Oct. 23	7.8
Feb. 19	11.5	May 22	11.2	Aug. 21	8.2	Nov. 20	9.7
Mar. 19	13.0	June 19	10.9	Sept. 18	7.3	Dec. 23	11.1

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: 1948-53.

Jan. 19	50.33	May 22	49.48	Sept. 18	49.35	Nov. 20	52.21
Feb. 19	54.76	June 19	49.22	Oct. 23	50.54	Dec. 23	51.33
Mar. 19	54.35	Aug. 21	48.78				

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 123.7 below lsd, Apr. 24, 25, May 2-4, 1953. Records available: 1951-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	120.6	121.7	122.3	123.4	123.5	122.7	121.5	119.4	117.9	117.4	117.7	118.9
2	120.8	121.7	122.5	123.5	123.7	122.7	121.5	119.4	117.9	117.5	117.8	119.0
3	120.8	121.8	122.7	123.5	123.7	122.7	121.3	119.3	117.9	117.7	117.8	119.0
4	120.8	121.8	122.9	123.5	123.7	122.7	121.3	119.3	117.9	117.6	117.8	118.9
5	120.6	121.8	122.8	123.4	123.6	122.6	121.3	119.2	117.9	117.5	117.6	119.2
6	120.5	121.9	122.9	123.3	123.5	122.6	121.3	119.1	117.8	117.5	117.8	119.1
7	120.6	121.9	123.0	123.3	123.4	122.5	121.2	119.1	117.8	117.5	118.1	119.2
8	120.9	121.7	122.9	123.3	123.3	122.6	121.1	119.1	117.8	117.5	118.1	119.5
9	120.9	122.0	122.8	123.5	123.3	122.5	121.1	119.0	117.8	117.5	118.1	119.5
10	121.0	122.1	122.9	123.5	123.4	122.6	121.0	119.0	117.7	117.4	118.0	119.4
11	120.9	122.1	122.9	123.5	123.4	122.8	120.9	119.0	117.7	117.4	118.1	119.6
12	120.9	122.2	122.9	123.5	123.4	122.5	120.8	118.9	117.7	117.5	118.1	119.7
13	120.9	122.1	122.9	123.5	123.3	122.6	120.7	118.9	117.6	117.5	118.1	119.8
14	120.9	122.2	123.0	123.5	123.2	122.4	120.6	118.8	117.5	117.5	118.1	119.7
15	121.2	122.2	122.9	123.6	123.1	122.4	120.6	118.7	117.5	117.5	118.3	119.8
16	121.2	122.3	122.9	123.4	123.1	122.4	120.5	118.7	117.4	117.5	118.2	119.8
17	121.1	122.3	123.0	123.4	123.2	122.3	120.5	118.6	117.5	117.4	118.2	119.9
18	121.1	122.2	123.0	123.6	123.2	122.1	120.4	118.6	117.6	117.3	118.3	119.9
19	121.3	122.3	122.9	123.3	123.0	122.1	120.3	118.5	117.5	117.4	118.5	119.9
20	121.2	122.5	122.9	123.6	123.0	122.1	120.2	118.4	117.5	117.4	118.4	119.9
21	121.4	122.6	123.0	123.5	123.0	122.1	120.2	118.4	117.4	117.5	118.5	120.1
22	121.5	122.5	123.1	123.5	123.1	122.0	120.1	118.4	117.5	117.5	118.5	120.3
23	121.5	122.5	123.3	123.6	122.9	121.9	120.0	118.2	117.6	117.4	118.6	120.3
24	121.5	122.5	123.2	123.7	122.9	121.9	119.9	118.1	117.6	117.4	118.7	120.3
25	121.4	122.6	123.2	123.7	122.9	121.8	119.9	118.1	117.4	117.6	118.8	120.4
26	121.5	122.6	123.3	123.6	122.9	121.7	119.8	118.1	117.5	117.6	118.8	120.3
27	121.7	122.6	123.3	123.4	122.9	121.7	119.8	118.1	117.4	117.7	118.8	120.3
28	121.7	122.4	123.2	123.4	122.7	121.5	119.7	118.0	117.4	117.6	119.0	120.3
29	.....		123.3	123.4	122.7	121.6	119.6	117.9	117.5	117.6	119.0	120.4
30	121.7		123.3	123.4	122.8	121.5	119.5	117.9	117.4	117.7	118.8	120.6
31	121.8		123.4		122.7		119.5	117.9		117.8		120.5

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. Jan. 2, 13.4; Feb. 1, 14.0; Mar. 2, 14.0; Apr. 1, 15.9; May 1, 16.7.

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. Jan. 2, 189; Feb. 1, 189; Mar. 2, 189; Apr. 1, 189; May 1, 189.

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, 1948-53. Jan. 15, 158.3; Mar. 21, 161.0; May 18, 160.5; July 29, 158.9; Sept. 27, 154.6; Dec. 2, 157.9.

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 29.12 below lsd, Dec. 2, 1953; lowest 32.22 below lsd, Sept. 25, 1948. Records available: 1928, 1948-53. Jan. 15, 29.86; Mar. 21, 29.83; May 18, 30.13; July 29, 29.64; Sept. 27, 29.36; Dec. 2, 29.12.

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 81.33 below lsd, June 10, 1949. Records available: 1948-53. Jan. 15, 67.45; Mar. 22, 71.49; May 14, 75.18; July 29, 70.74; Sept. 27, 73.14; Dec. 2, 73.21.

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 8.64 below lsd, Nov. 7, 1949. Records available: 1941-53. Jan. 15, 5.78; Mar. 21, 5.37; May 18, 3.56; July 29, 4.60; Sept. 27, 5.48; Dec. 2, 6.18.

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 7.87 below lsd, July 1, 1948. Records available: 1947-53. Jan. 15, 5.07; Mar 21, 5.00; May 18, 4.48; July 29, 12.43, pumping; Sept. 27, 13.74, pumping; Dec. 2, 5.83.

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 21.60 below lsd, Sept. 10, 1948. Records available: 1948-53. Jan. 15, 20.72; Mar. 21, 15.68; May 19, 15.50; July 29, 16.63; Sept. 27, 18.00; Dec. 2, 19.27.

15S 24E-26bc1. Wallace Taylor. Unused water-table well in alluvial gravel of Quaternary age, size 36 by 48 inches, depth 36 feet. Land-surface datum is 5,327.4 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 27.65 below lsd, June 27, 1951; lowest dry at 36 below lsd, Nov. 7, 1949. Records available: 1948-53. Jan. 15, 34.30. Measurement discontinued.

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 back-fill 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 31.09 below lsd, Mar. 21, 1950. Records available: 1948-53. Jan. 15, 28.75; Mar. 21, 29.99, May 19, 27.71; July 29, 14.61; Sept. 27, 17.87; Dec. 2, 26.53.

16S 27E-26ba1. Cook. Dug stock water-table well in alluvium of Quaternary age, diameter 60 to 24 inches, depth 36 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 below lsd, Apr. 22, 1950; Mar. 21, May 19, 1953. Records available: 1936, 1938-53. Jan. 15, 29.08; Jan. 28, 31.79; Mar. 21, dry; May 19, dry; July 29, 14.76; Sept. 27, 12.90; Dec. 2, 20.56.

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, perforated and gravel packed 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. No measurement made in 1953.

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 80.5 below lsd, May 3, 1949. Records available: 1941-42, 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	75.0	Apr. 14	78.9	July 21	79.8	Oct. 20	75.5
13	75.2	30	79.7	28	79.5	27	75.4
27	75.6	May 5	79.9	Aug. 4	79.3	Nov. 3	75.0
Feb. 10	76.1	12	80.1	11	79.1	10	74.6
17	76.5	19	80.0	18	78.8	17	74.1
24	76.7	26	79.6	Sept. 8	77.8	24	73.5
Mar. 3	77.1	June 9	80.2	15	77.5	Dec. 1	73.2
17	77.8	23	80.1	22	77.1	8	72.7
19	77.8	30	79.7	29	76.5	15	73.3
24	77.9	July 7	79.5	Oct. 6	76.2	22	74.5
Apr. 7	78.6	14	80.0	13	75.8		

Jefferson County

8N 36E-9db1. E. Motel. Formerly W. A. Rausch. 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 51.13 below lsd, June 27, 1950. Records available: 1929, 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	48.96	May 20	49.09	Aug. 12	49.60	Nov. 24	50.17
Mar. 11	49.56	June 18	49.05	Sept. 11	49.17	Dec. 17	49.35
Apr. 22	49.92	July 15	49.08				

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 4,784.2 feet above msl datum of 1948 (preliminary). Highest water level 16.37 below lsd, Sept. 10, 1953; lowest 36.14 below lsd, Feb. 12, 1950. Records available: 1949-53.

Feb. 17	25.96	May 20	25.60	Aug. 12	16.94	Nov. 23	19.09
Mar. 11	26.87	June 17	23.12	Sept. 10	16.37	Dec. 16	21.19
Apr. 22	28.08	July 15	20.48				

7N 35E-25bd1. Owsley Canal Co. Drilled observation water-table well in Snake River basalt, diameter 6 inches, depth 10 feet. Land-surface datum is 4,787.8 feet above msl (preliminary). Highest water level 2.80 below lsd, Dec. 10, 1931; lowest 12.67 below lsd, July 18, 1950. Records available: 1931-43, 1945, 1948-53. Measurement discontinued.

Feb. 17	5.94	May 20	5.61	Aug. 12	(f)	Nov. 24	6.90
Mar. 11	5.67	June 17	4.52	Sept. 11	9.30	Dec. 17	7.13
Apr. 22	4.93	July 15	7.00				

f Dry. (Not a new low. Well caved.)

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, 1949-53. Feb. 17, 12.23; Mar. 11, 12.38; June 18, 12.69; Aug. 12, 13.15; Nov. 24, 12.65; Dec. 17, 12.62.

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 levl 70.3 below lsd, June 30, 1922; lowest 75.91 below lsd, July 18, 1951. Records available: 1922, 1929, 1949-53. Apr. 22, 74.60; May 20, 74.66; June 18, 74.13; July 15, 74.35; Aug. 12, 74.57; Sept. 11, 74.56; Nov. 24, 74.22.

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 196.43 below lsd, Oct. 2, 1953; lowest 202.93 below lsd, Dec. 16, 1953. Records available: 1949-53.

Feb. 17	a200.37	June 17	197.35	Aug. 12	196.98	Oct. 2	196.43
Apr. 1	197.10	24	197.31	Sept. 10	196.65	Dec. 16	202.93
May 20	196.95	July 15	197.04				

a Pumping.

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. Recording gage reinstalled Apr. 8, 1953. Highest water level 253.7 below lsd, Jan. 17, 1951; lowest 258.1 below lsd, July 27, 1952. Records available: 1950-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	255.1	255.8	256.6	257.0	256.8	256.3	255.5	254.6
2	.....	.....	.....	h254.6	255.3	255.8	256.6	257.1	256.9	256.4	255.5	254.5
3	.....	.....	.....	.....	255.4	255.8	256.5	257.0	256.9	256.5	255.5	254.4
4	.....	.....	.....	.....	255.4	255.8	256.5	257.0	256.9	256.4	255.3	.....
5	.....	.....	.....	.....	255.3	.....	256.7	257.0	256.9	256.3	255.1	.....
6	.....	.....	.....	.....	255.2	255.8	256.7	257.0	256.9	256.2	255.5	.....
7	.....	.....	.....	.....	255.1	255.8	256.7	257.1	256.9	256.3	255.5	.....
8	.....	.....	.....	254.4	255.1	255.8	256.7	257.1	256.9	256.3	255.4	.....
9	.....	.....	.....	254.6	255.2	255.9	256.8	257.0	256.9	256.2	255.3	.....
10	.....	.....	.....	254.5	255.3	256.1	256.8	.....	256.9	256.0	255.3	.....

5N 34E-9bd1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	.....	.....	254.6	255.3	256.1	256.8	.....	256.9	256.1	255.2	.....
12	.....	.....	.....	254.5	255.3	256.1	256.8	257.1	256.8	256.0	255.2	.....
13	.....	.....	.....	254.5	255.3	256.2	256.8	257.1	256.8	256.1	255.1	.....
14	.....	.....	.....	254.5	255.3	256.1	256.8	257.1	256.7	256.0	255.1	.....
15	.....	.....	.....	254.5	255.3	256.1	256.8	257.1	256.7	256.0	.....	.....
16	.....	.....	.....	254.5	255.3	256.1	256.9	257.1	256.6	256.0	254.9	.....
17	.....	h254.0	.....	254.6	255.5	256.1	256.8	257.1	256.6	255.9	254.9	254.5
18	.....	.....	h254.3	254.9	255.5	256.1	256.9	257.1	256.7	255.7	255.0	254.5
19	.....	.....	.....	254.9	255.3	256.2	256.8	257.0	256.6	255.9	255.0	254.4
20	.....	.....	.....	254.9	255.4	256.3	256.8	256.9	256.7	255.7	254.9	254.3
21	.....	.....	.....	254.8	255.3	256.4	256.9	257.0	256.6	255.9	254.9	254.4
22	.....	.....	.....	254.9	255.6	256.4	256.9	257.0	256.6	255.8	254.7	254.5
23	.....	.....	.....	254.9	255.4	256.3	256.9	256.9	256.6	255.7	254.9	254.5
24	.....	.....	.....	255.0	255.5	256.5	256.8	256.8	256.6	255.6	254.9	254.5
25	.....	.....	.....	255.0	255.6	256.4	256.9	256.9	256.5	255.8	254.9	254.5
26	.....	.....	.....	254.9	255.6	256.4	257.0	256.9	256.5	255.8	254.8	254.2
27	.....	.....	.....	254.8	255.6	256.5	257.0	256.9	256.3	255.7	254.7	254.3
28	.....	.....	.....	254.8	255.6	256.4	257.0	256.8	256.3	255.6	254.9	254.1
29	.....		.....	254.9	255.6	256.5	257.0	256.8	256.5	255.5	254.9	254.2
30	.....		.....	254.8	255.7	256.5	257.0	256.9	256.4	255.6	254.5	.....
31	.....		.....		255.6		257.0	256.9		255.6		.....

h Tape measurement.

5N 36E-22aa1. O. W. Robeson. 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; lowest 209.20 below lsd, Apr. 1, 1953. Records available: 1929, 1949-53. Feb. 17, 205.44; Mar. 14, 205.85; Apr. 1, 209.20.

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, 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	11.86	Apr. 22	14.07	July 16	5.40	Nov. 23	7.91
Mar. 14	13.17	May 21	12.77	Aug. 13	5.04	Dec. 17	9.79
Apr. 1	14.18	June 18	11.79	Sept. 11	4.63		

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. Apr. 1, 234.10; June 18, 229.03; Sept. 11, 217.60.

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 12.3, 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: 1950-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	347.6	347.7	346.6	345.0	343.8	342.6	342.0	342.8	343.7
2	.....	.....	.....	347.7	347.9	346.6	345.0	343.8	342.6	342.3	342.9	343.7
3	.....	.....	.....	347.8	347.9	346.6	344.9	343.7	342.6	342.3	342.9	343.7
4	.....	.....	.....	347.7	347.9	346.5	344.9	343.8	342.6	342.3	342.9	343.7
5	.....	.....	.....	347.7	347.8	346.4	344.9	343.7	342.5	342.2	342.8	343.9
6	.....	.....	.....	347.7	347.7	346.3	344.9	343.6	342.5	342.2	342.9	343.8
7	.....	.....	.....	.....	347.7	346.3	344.8	343.6	342.5	342.3	342.9	343.8
8	.....	.....	.....	.....	347.6	346.2	344.7	343.6	342.5	342.3	342.9	344.0
9	.....	.....	.....	.....	347.6	346.2	344.7	343.5	342.5	342.3	342.9	344.0
10	.....	.....	.....	.....	347.7	346.1	344.7	343.5	342.5	.....	.....	344.0
11	.....	.....	.....	.....	347.7	346.1	344.7	343.5	342.5	.....	.....	.....
12	.....	.....	.....	.....	347.6	346.0	344.6	343.4	342.4	.....	.....	.....
13	.....	.....	.....	.....	347.5	346.0	344.5	343.4	342.5	342.3	343.0	.....
14	.....	.....	.....	.....	347.5	345.9	344.5	343.3	342.4	342.3	343.0	.....
15	.....	.....	.....	.....	347.4	345.9	344.4	343.3	342.3	342.4	343.1	.....

9S 20E-1da1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	.....	.....	.....	.....	347.4	345.8	344.5	343.2	342.3	342.4	343.0	.....
17	.....	.....	.....	.....	347.4	345.8	344.4	343.2	342.3	342.4	343.1	.....
18	.....	.....	.....	.....	347.3	345.6	344.4	343.1	342.3	342.3	343.2	.....
19	.....	.....	.....	.....	347.2	345.6	344.3	343.1	342.3	342.5	343.2	.....
20	.....	.....	.....	.....	347.2	345.6	344.3	343.0	342.3	342.4	343.2	.....
21	.....	.....	.....	.....	347.2	345.6	344.3	343.0	342.2	342.5	343.3	.....
22	345.5	.....	.....	347.8	347.1	345.5	344.3	343.0	342.3	342.5	343.3	.....
23	.....	.....	347.1	347.8	346.9	345.5	344.2	342.8	342.3	342.5	343.5	.....
24	.....	.....	.....	347.8	347.0	345.5	344.1	342.8	342.3	342.5	343.5	.....
25	.....	346.4	.....	347.8	346.9	345.4	344.1	342.8	342.2	342.7	343.6	.....
26	.....	346.5	.....	347.8	347.0	345.3	344.1	342.7	342.1	342.7	343.5	.....
27	.....	.....	347.2	347.7	346.9	345.3	344.1	342.7	342.1	342.7	343.6	.....
26	.....	.....	347.1	347.7	346.7	345.1	344.0	342.6	342.1	342.7	343.7	.....
29	.....		347.5	347.6	346.8	345.1	343.9	342.6	342.1	342.7	343.7	.....
30	.....		347.7	347.6	346.7	345.0	343.9	342.6	342.0	342.8	343.5	.....
31	.....		347.7		346.7		343.9	342.6		342.9		.....

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, 1949-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	245.5	246.7	247.1	248.4	248.9	247.2	244.9	243.3	241.8	241.3	242.7	243.8
2	245.7	246.7	247.3	248.5	249.1	247.1	244.9	243.2	241.8	241.4	242.7	243.8
3	245.8	246.7	247.5	248.5	249.1	247.1	244.7	243.2	241.9	241.7	242.8	243.8
4	245.8	246.7	247.7	248.6	249.2	247.1	244.7	243.2	241.9	241.7	242.8	243.7
5	245.6	246.8	247.7	248.5	249.2	247.0	244.7	243.1	241.9	241.6	242.6	244.1
6	245.4	246.8	247.8	248.5	248.9	246.8	244.7	243.1	241.9	241.6	242.6	244.1
7	245.4	246.9	247.9	248.4	248.7	246.6	244.7	243.0	241.9	241.6	243.0	244.1
8	245.6	246.6	247.9	248.4	248.7	246.6	244.6	243.0	241.9	241.6	243.1	244.3
9	245.7	246.9	247.8	248.6	248.6	246.5	244.6	242.9	241.9	241.6	243.1	244.4
10	245.9	247.0	247.7	248.7	248.7	246.5	244.5	242.9	241.9	241.5	243.1	244.3
11	245.8	247.0	247.8	248.7	248.7	246.5	244.5	242.9	241.9	241.5	243.1	244.5
12	245.8	247.1	247.8	248.7	248.6	246.4	244.5	242.9	241.9	241.5	243.1	244.6
13	245.7	247.1	247.8	248.7	248.6	246.4	244.3	242.7	241.8	241.6	243.0	244.8
14	245.7	247.1	248.0	248.9	248.4	246.2	244.2	242.7	241.8	241.7	243.0	244.8
15	246.0	247.1	247.9	249.0	248.3	246.1	244.2	242.6	241.7	241.7	243.2	244.7
16	246.1	247.2	247.9	248.8	248.3	246.0	244.2	242.5	241.6	241.8	243.1	244.8
17	246.0	247.2	248.0	248.9	248.3	245.9	244.2	242.5	241.5	241.8	243.1	244.8
18	246.0	247.0	248.1	249.1	248.3	245.7	244.1	242.5	241.6	241.7	243.3	244.9
19	246.1	247.2	247.9	249.1	248.1	245.6	244.1	242.4	241.6	241.9	243.4	244.9
20	246.1	247.3	247.7	249.1	248.0	245.7	244.0	242.3	241.6	241.9	243.3	244.9
21	246.2	247.4	247.9	249.1	247.9	245.7	244.0	242.2	241.5	242.1	243.4	244.9
22	246.4	247.4	248.0	249.1	248.0	245.6	244.0	242.2	241.5	242.2	243.4	245.1
23	246.5	247.4	248.2	249.1	247.8	245.5	243.9	242.1	241.6	242.1	243.5	245.3
24	246.5	247.4	248.2	249.1	247.7	245.4	243.7	241.9	241.7	242.1	243.7	245.3
25	246.3	247.5	248.1	249.1	247.7	245.3	243.6	241.9	241.5	242.3	243.8	245.4
26	246.5	247.5	248.3	249.0	247.6	245.2	243.6	241.9	241.5	242.4	243.7	245.3
27	246.7	247.5	248.3	248.9	247.7	245.2	243.6	241.9	241.4	242.5	243.7	245.3
28	246.6	247.4	248.2	248.8	247.5	245.0	243.6	241.9	241.3	242.5	243.9	245.2
29	246.6		248.2	248.8	247.3	245.0	243.5	241.8	241.4	242.5	244.0	245.3
30	246.6		248.3	248.8	247.3	244.9	243.4	241.8	241.4	242.6	243.8	245.4
31	246.7		248.4		247.2		243.3	241.8		242.7		245.5

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: 1929-53.

53N 4W-24bb1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	452.0	Apr. 13	454.2	July 13	452.5	Oct. 5	452.3
19	452.7	20	454.2	20	452.4	12	452.4
26	453.0	27	454.2	27	452.3	19	452.7
Feb. 2	453.3	May 4	454.3	Aug. 3	452.2	26	452.8
9	453.5	11	454.3	10	452.2	Nov. 2	453.0
16	453.6	18	454.1	17	452.1	8	453.3
23	453.7	25	454.0	24	452.1	23	453.8
Mar. 2	453.7	June 1	453.9	31	452.2	30	454.2
9	453.7	8	453.5	Sept. 7	452.2	Dec. 8	454.5
16	453.8	15	453.4	14	452.2	14	454.7
23	453.9	22	453.2	21	452.2	22	455.3
30	454.0	29	452.9	28	452.3	28	455.4
Apr. 6	454.1	July 6	452.7				

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. Feb. 20, 351.7; Apr. 23, 351.8; Apr. 28, 351.9; June 17, 350.4.

53N 2W-3bc1. Idaho Department of Fish and Game. Formerly U. S. Navy. 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: 1943-53.

Jan. 4	223	Feb. 20	222	Apr. 6	224	May 4	222
11	223	Mar. 2	223	13	224	11	222
18	223	9	223	20	224	18	220
25	223	16	223	23	223	25	220
Feb. 2	223	23	223	27	224	June 17	a214
9	223	30	223	28	222	Aug. 25	a212
16	223						

a Pumping.

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 394.7 below lsd, Apr. 23, 28, 1953. Records available: 1950-53. Feb. 20, 393.7; Apr. 23, 394.7; Apr. 28, 394.7; June 17, 389.5.

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: 1943-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	242.2	242.3	242.7	243.0	242.4	238.7	232.7	231.6	231.2	232.1	237.1	241.6
2	242.3	242.3	242.7	243.0	242.2	238.5	232.6	231.6	231.2	232.3	237.3	241.7
3	242.3	242.2	242.7	243.0	242.1	238.3	232.6	231.6	231.2	232.4	237.5	241.8
4	242.3	242.1	242.8	243.1	241.9	238.1	232.5	231.6	231.2	232.5	237.7	241.8
5	242.4	242.1	242.8	243.1	241.8	237.8	232.5	231.6	231.1	232.6	238.0	241.9
6	242.5	242.1	242.9	243.1	241.7	237.5	232.4	231.5	231.1	232.7	238.2	241.9
7	242.5	242.1	242.9	243.1	241.6	237.1	232.4	231.5	231.1	232.8	238.5	241.9
8	242.5	242.0	242.9	243.1	241.5	236.7	232.3	231.5	231.1	232.9	238.7	242.0
9	242.5	242.0	243.0	243.1	241.4	236.3	232.3	231.5	231.1	233.0	238.9	242.1
10	242.5	242.0	243.0	243.1	241.2	235.9	232.2	231.5	231.1	233.1	239.0	242.1
11	242.5	242.1	243.0	243.1	241.1	235.5	232.2	231.5	231.1	233.2	239.3	242.1
12	242.5	242.1	243.0	243.1	240.9	235.2	232.2	231.4	231.1	233.4	239.5	242.1
13	242.5	242.1	243.0	243.2	240.7	234.9	232.1	231.4	231.1	233.5	239.7	242.2
14	242.4	242.1	243.0	243.2	240.6	234.7	232.1	231.4	231.1	233.6	239.9	242.2
15	242.4	242.1	243.0	243.2	240.5	234.4	232.1	231.4	231.1	233.9	240.1	242.3
16	242.4	242.2	243.1	243.2	240.4	234.2	232.1	231.3	231.1	234.0	240.2	242.3
17	242.4	242.2	243.1	243.2	240.3	234.0	232.1	231.3	231.1	234.2	240.4	242.4
18	242.4	242.3	243.1	243.2	240.2	233.8	232.0	231.3	231.1	234.3	240.5	242.4
19	242.4	242.3	243.1	243.3	240.1	233.6	232.0	231.3	231.1	234.5	240.6	242.4
20	242.3	242.4	243.1	243.3	239.9	233.6	232.0	231.3	231.2	234.6	240.7	242.4

53N 2W-9aa1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	242.3	242.4	243.0	243.3	239.7	233.5	232.0	231.3	231.1	234.8	240.8	242.5
22	242.3	242.4	243.0	243.3	239.6	233.3	232.0	231.3	231.2	235.0	240.9	242.5
23	242.3	242.5	243.0	243.3	239.5	233.3	232.0	231.3	231.2	235.2	241.0	242.5
24	242.3	242.5	243.0	243.2	239.5	233.2	231.9	231.3	231.3	235.4	241.1	242.5
25	242.3	242.6	243.0	243.2	239.4	233.2	231.9	231.2	231.3	235.7	241.1	242.5
26	242.3	242.6	243.0	243.1	239.3	233.1	231.8	231.2	231.4	235.9	241.2	242.5
27	242.3	242.6	243.0	243.0	239.3	233.0	231.8	231.2	231.5	236.1	241.3	242.6
28	242.3	242.7	243.0	242.9	239.2	232.9	231.7	231.2	231.7	236.4	241.4	242.7
29	242.3		243.0	242.8	239.1	232.8	231.7	231.2	231.9	236.6	241.5	242.7
30	242.3		243.0	242.6	239.0	232.8	231.6	231.2	232.0	236.9	241.6	242.8
31	242.3		243.0		238.9		231.6	231.2		237.0		242.8

52N 4W-35dc1. Elvin Wood. Formerly J. H. Dye. 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: 1948-53. Feb. 20, 297.0; Apr. 23, 297.6; Apr. 28, 297.8; June 17, 301.8; Aug. 25, 297.4; Oct. 25, 297.9; Dec. 17, 295.8.

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. Feb. 19, 159.9; Apr. 23, 163.5; June 17, 158.3.

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 147.7 below lsd, May 26, 1948. Records available: 1948-53. Feb. 19, 145.1; Apr. 23, 145.6; Apr. 28, 145.6; June 17, 143.3; Aug. 25, 143.9; Oct. 25, 145.4; Dec. 17, 147.5.

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, 1948-53. Feb. 19, 119.3; Apr. 23, 119.9; Apr. 28, 120.2; June 17, 115.6; Aug. 24, 119.4; Oct. 25, 121.6; Dec. 17, 122.1.

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: 1928-53. Feb. 19, 144.4, pumping; Apr. 23, 144.0; Apr. 28, 143.9; June 17, 141.0; Aug. 25, 142.7; Oct. 25, 144.3; Dec. 17, 146.2.

51N 4W -7bc1. Ralph Preuninger. Drilled unused water-table well in fluvioglacial gravel and sand of Pleistocene age, diamter 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, 1948-53. Feb. 20, 257.7; Apr. 23, 258.4; Apr. 28, 258.5; June 17, 257.2.

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, 1948-53. Feb. 20, 276.5; Apr. 23, 276.1; Apr. 28, 277.2; June 17, 276.1; Aug. 25, 275.1; Oct. 25, 276.0; Dec. 17, 278.0.

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 below lsd, Nov. 28, 1941. Records available: 1941, 1948-53. Feb. 20, 252.3; Apr. 23, 252.9; Apr. 28, 252.9; June 17, 249.7.

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 datum 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, 1948-53. Feb. 20, 260.9, pumping; Apr. 23, 255.7; Apr. 28, 255.8; June 17, 255.0; Aug. 25, 253.0; Oct. 25, 253.8; Dec. 17, 255.8.

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: 1929-53. Feb. 20, 186.2, pumped recently; Apr. 23, 186.7, pumped recently; Apr. 28, 186.9, pumped recently; June 17, 185.4, pumped recently; Aug. 25, 182.9; Oct. 25, 185.1, pumped recently; Dec. 17, 187.6, pumped recently.

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 77.35 below lsd, Aug. 23, 1953. Records available: 1937-40, 1947-53. Feb. 18, 72.14; Apr. 25, 72.46; May 1, 72.41; June 19, 70.35; Aug. 23, 77.35; Oct. 23, 76.67.

39N 5W-10ac1. U. S. Geol. Survey. Driven observation water-table well in alluvial sand and gravel of Quaternary age, diameter $1\frac{1}{2}$ 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, 1947-53. Feb. 18, 12.19; Apr. 25, 10.67; May 1, 11.11; June 19, 12.60; Aug. 23, 13.92; Oct. 23, 14.91.

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 from 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 July 17-19, 1951. Records available: 1950-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	198.7	198.6	198.1	198.4	198.6	.....	199.8	200.7	.....	.....	198.5	197.9
2	198.9	198.5	198.1	198.5	198.8	.....	199.8	200.7	.....	.....	198.5	197.9
3	198.9	198.5	198.4	198.5	198.8	.....	199.8	200.6	.....	.....	198.5	197.9
4	198.7	198.5	198.5	198.5	.....	.....	199.9	200.7	.....	.....	198.3	197.6
5	198.5	198.5	198.5	198.4	.....	.....	200.0	200.7	.....	.....	198.1	.....
6	198.3	198.5	198.6	198.3	.....	.....	200.0	200.7	.....	.....	198.5	.....
7	198.5	198.4	198.7	198.4	.....	.....	200.0	200.7	.....	.....	.....	.....
8	.....	198.3	198.6	198.3	.....	.....	200.1	200.7	.....	.....	.....	.....
9	.....	198.5	198.5	198.5	.....	.....	200.1	200.7	.....	.....	.....	.....
10	.....	198.7	198.4	198.5	.....	.....	200.2	200.7	200.3	.....	.....	198.0
11	.....	198.6	198.2	198.5	.....	.....	200.3	.....	.....	.....	.....	198.1
12	.....	198.7	198.4	198.5	.....	.....	200.2	.....	.....	199.1	.....	198.1
13	.....	198.5	198.3	198.4	.....	.....	200.2	200.7	.....	199.2	198.1	198.2
14	.....	198.4	198.5	198.6	.....	.....	200.2	.....	.....	199.2	198.0	198.1
15	.....	.....	198.4	198.6	.....	.....	200.3	.....	.....	199.1	198.1	198.1
16	.....	.....	198.4	198.4	.....	.....	200.4	.....	.....	199.1	198.0	198.1
17	.....	.....	198.4	198.5	.....	.....	200.4	.....	.....	199.0	197.9	198.1
18	.....	.....	198.4	198.7	.....	199.0	200.4	.....	.....	198.8	198.0	198.1
19	.....	.....	198.3	.....	.....	.....	200.4	.....	.....	198.8	198.1	198.0
20	.....	.....	198.1	.....	.....	.....	200.5	.....	.....	198.8	198.0	197.9
21	.....	.....	198.2	.....	.....	.....	200.6	.....	.....	198.8	198.1	198.0
22	198.6	.....	198.3	198.5	.....	.....	200.5	.....	.....	198.8	198.0	.....
23	198.7	.....	198.5	198.5	.....	.....	200.5	.....	.....	198.7	197.9	.....
24	198.7	.....	198.6	198.6	.....	.....	200.5	.....	.....	198.6	198.1	.....
25	198.5	.....	198.3	198.6	.....	199.6	200.5	.....	.....	198.7	198.2	.....
26	198.5	198.6	198.5	198.5	.....	.....	200.6	.....	.....	198.7	198.1	.....
27	198.7	198.5	198.5	198.3	.....	.....	200.7	.....	.....	198.7	198.1	.....
28	198.7	198.4	198.4	198.3	.....	.....	200.6	.....	.....	198.6	198.2	.....
29	198.6		198.4	198.4	.....	199.6	200.6	.....	.....	198.6	198.2	.....
30	198.5		198.4	198.4	.....	199.7	200.6	.....	.....	198.6	197.9	.....
31	198.7		198.5		.....		200.7	.....		198.6		.....

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 176.2 below lsd, Dec. 20, 1950; lowest 185.6 below lsd, June 29, 1951. Records available: 1948-53. Mar. 19, 177.2; Apr. 3, 177.7; May 13, 181.9; Sept. 26, 178.1; Dec. 1, 176.7

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 166.0 below lsd, Mar. 19, 1953; lowest 169.2 below lsd, June 16, 1952. Records available: 1948-53. Mar. 19, 166.0; Apr. 3, 166.5; May 13, 166.6; Sept. 25, 167.0; Dec. 1, 165.6.

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: 1948-53. Mar. 19, 162.5; Apr. 3, 162.6; May 13, 162.7, pumping; July 28, 163.0; Sept. 25, 162.3, pumping; Oct. 28, 161.8; Dec. 1, 162.0.

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: 1950-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	142.3	142.5	142.3	143.1	143.2	142.4	142.6	142.1	141.2	140.8	140.6	141.1
2	142.4	142.5	142.5	143.2	143.4	142.5	142.6	142.0	141.1	141.1	140.7	141.1
3	142.5	142.5	142.9	143.1	143.4	142.5	142.5	141.9	141.2	141.2	140.7	141.1
4	142.4	142.5	142.9	143.1	143.4	142.3	142.6	142.0	141.2	141.1	140.6	141.0
5	142.1	142.5	142.9	143.0	143.3	142.3	142.6	141.9	141.1	140.9	140.5	141.3
6	141.9	142.6	142.9	142.9	.....	142.3	142.6	141.9	141.1	140.8	140.8	141.2
7	141.9	142.5	143.0	142.9	143.0	142.2	142.5	141.9	141.0	140.8	141.1	141.2
8	142.3	142.2	142.9	142.9	143.0	.....	142.6	141.9	141.0	140.8	141.1	141.5
9	142.4	142.7	142.7	143.2	143.0	.....	142.6	141.8	141.0	140.8	141.1	141.4
10	142.5	142.8	142.6	143.1	143.1	142.5	142.5	141.8	141.0	140.7	141.0	141.3
11	142.3	142.7	142.8	143.2	143.0	142.5	142.6	141.8	141.0	140.7	141.1	141.6
12	142.2	142.9	142.7	143.2	143.0	142.4	142.5	141.7	140.9	140.7	140.7	141.6
13	142.2	142.7	142.8	143.1	142.9	142.5	142.5	141.7	140.9	140.7	140.7	141.7
14	142.0	142.7	143.0	143.3	142.9	.....	142.4	141.6	140.8	140.7	140.7	141.6
15	142.5	142.7	142.9	143.3	142.8	.....	142.5	141.6	140.8	140.7	140.9	141.6
16	142.4	142.9	142.7	143.1	142.9	.....	142.5	141.5	140.7	140.8	140.8	141.6
17	142.2	142.7	143.0	143.0	143.0	.....	142.5	141.4	140.8	140.7	140.8	141.6
18	142.2	142.5	143.0	143.3	143.1	142.4	142.4	141.5	140.9	140.5	140.9	141.6
19	142.4	142.7	142.7	143.3	142.9	142.5	142.4	141.5	140.9	140.7	141.0	141.5
20	142.1	142.8	142.7	143.2	142.9	142.6	142.3	141.4	140.9	140.6	140.9	141.6
21	142.4	142.8	142.8	143.2	142.8	142.7	142.4	141.3	140.7	140.7	141.0	141.7
22	142.6	142.9	142.9	143.1	143.0	142.7	142.3	141.4	140.8	140.7	140.9	141.9
23	142.6	142.9	143.1	143.2	142.7	142.6	142.3	141.2	140.9	140.6	141.0	141.9
24	142.5	142.9	143.0	143.3	142.5	142.7	142.1	141.1	140.9	140.5	141.2	141.9
25	142.3	142.9	143.0	143.3	142.7	142.6	142.2	141.2	140.7	140.7	141.2	141.9
26	142.4	142.8	143.1	143.1	143.7	142.5	142.3	141.2	140.8	140.8	141.2	141.7
27	142.7	142.7	143.1	143.0	142.7	142.6	142.2	141.2	140.7	.....	141.2	141.8
28	142.6	142.5	142.8	143.0	142.5	142.5	142.2	141.1	140.7	140.7	141.3	141.5
29	.....		142.9	143.0	142.5	142.5	142.1	141.1	140.9	140.6	141.3	141.7
30	142.5		143.0	143.0	142.6	.....	142.1	141.1	140.8	140.7	141.0	141.9
31	142.6		143.1		142.5		142.1	141.1		140.8		141.9

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: 1949-53. Jan. 14, 148.8; Mar. 19, 148.9; Aug. 4, 151.0; Dec. 1, 148.4.

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: 1950-53.

8S 25E-24bd1--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	134.4	134.4	134.2	.....	.....	134.2	134.2	134.1	133.8	133.7	133.6	133.7
2	134.6	134.4	134.2	.....	.....	134.2	134.2	134.1	133.8	133.8	133.6	133.7
3	134.6	134.4	134.4	.....	.....	134.2	134.2	134.1	133.9	.....	133.6	133.7
4	134.6	134.3	134.5	.....	.....	134.2	134.2	134.1	133.9	.....	133.6	133.6
5	134.4	134.3	134.5	.....	.....	134.2	134.2	134.1	133.9	.....	133.5	133.7
6	134.3	134.3	134.5	.....	.....	134.2	134.2	134.1	133.9	.....	133.5	133.7
7	134.3	134.4	134.5	.....	134.3	134.1	134.2	134.1	133.9	133.8	133.7	133.7
8	134.4	134.2	134.5	.....	134.3	134.1	134.2	134.1	133.9	133.8	133.7	133.8
9	134.4	134.4	134.4	.....	134.3	134.1	134.2	134.1	133.9	133.8	133.7	.....
10	134.5	134.5	134.3	.....	134.4	134.1	134.2	134.0	133.9	133.8	133.7	.....
11	134.4	134.4	134.3	.....	134.4	134.1	134.2	134.0	133.9	133.8	133.7	.....
12	134.4	134.5	134.3	.....	134.4	134.1	134.2	134.0	133.9	133.8	133.6	.....
13	134.3	134.4	134.3	.....	134.3	134.2	134.2	134.0	133.9	133.8	133.6	.....
14	134.2	134.4	134.4	.....	134.3	134.1	134.2	134.0	133.8	133.7	133.6	.....
15	134.4	134.4	134.4	.....	134.2	134.1	134.1	134.0	133.8	133.7	133.6	133.9
16	134.4	134.4	134.4	.....	134.2	134.1	134.1	134.0	133.7	133.7	133.6	133.9
17	134.3	134.4	134.4	.....	134.2	134.1	.....	134.0	133.7	133.7	133.5	133.9
18	134.3	134.3	134.4	.....	134.3	134.1	.....	133.9	133.8	133.6	133.6	133.9
19	134.3	134.4	134.3	.....	134.3	134.0	.....	134.0	133.8	133.6	133.6	133.9
20	134.3	134.5	134.2	.....	134.2	134.1	.....	133.9	133.8	133.6	133.6	133.9
21	134.3	134.5	134.3	.....	134.2	134.2	.....	133.9	133.8	133.6	133.6	134.0
22	134.4	134.5	134.3	.....	134.3	134.2	134.2	133.9	133.8	133.7	133.6	134.0
23	134.4	134.4	134.5	.....	134.2	134.2	134.2	133.9	133.9	133.6	133.6	134.1
24	134.4	134.4	134.5	.....	134.2	134.2	134.1	133.8	133.9	133.5	133.6	134.1
25	134.3	134.5	134.4	.....	134.2	134.2	134.1	133.8	.....	133.6	133.8	134.1
26	134.3	134.5	134.5	.....	134.2	134.2	134.1	133.8	.....	133.6	133.7	134.0
27	134.5	134.4	134.5	.....	134.3	134.2	134.1	133.8	.....	133.7	133.7	134.0
28	134.5	134.3	134.4	.....	134.2	134.2	134.1	133.8	.....	133.7	133.8	133.9
29	.....		134.3	.....	134.2	134.2	134.1	133.8	.....	133.6	133.8	133.9
30	.....		134.3	.....	134.2	134.2	134.1	133.8	133.7	133.6	133.7	134.0
31	134.4		.....		134.2		134.1	133.8		133.6		134.0

9S 22E-33ab1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 12 inches, depth 257 feet, stove-pipe 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 222.8 below lsd, Nov. 30, Dec. 4, 6, 1953; lowest 225.7 below lsd, Sept. 7, 1950. Records available: 1944, 1947, 1950-53.

Daily noon water level from recorder graph

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

9S 22E-33ab1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	223.4	223.2	223.2	223.3	223.5	223.9	224.3	224.2	224.0	223.6	223.1	.....
27	223.2	223.1	223.2	223.2	223.6	224.0	224.3	224.2	223.9	223.6	223.1	.....
28	223.3	222.8	222.9	223.2	223.3	223.8	224.3	224.1	223.9	223.6	223.2	.....
29	223.4		223.0	223.3	223.3	223.9	224.3	224.1	224.0	223.5	223.2	.....
30	223.3		223.1	223.2	223.5	224.0	224.2	224.2	223.9	223.5	222.8	.....
31	223.3		223.2		223.4		224.3	224.2		223.5		.....

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: 1947-53. Jan. 14, 67.18; Mar. 19, 68.78; May 13, 67.41; July 28, 59.36; Sept. 25, 57.07; Dec. 1, 65.50.

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: 1947-53. Apr. 26, 26.45.

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: 1947-53. Apr. 26, 33.92

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: 1946-53. Apr. 26, 293.5.

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: 1946-53. Apr. 26, 80.78.

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: 1947-53. Apr. 26, 372.6.

14S 35E-10ab1. John W. Leavitt. Drilled irrigation water-table well in delta beds, 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, 1943-53. Apr. 26, 118.3.

14S 35E-13db1. Progressive Pump Co. Drilled irrigation water-table well in delta beds, 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 76.34 below lsd, Oct. 21, 1944. Records available: 1943-53. Apr. 26, 66.07; Nov. 5, 73.17.

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 60.19 below lsd, Nov. 5, 1953. Records available: 1943-53. Apr. 26, 54.19; Nov. 5, 60.19.

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: 1943-53. Apr. 26, +21.8; Nov. 5, +14.6.

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: 1943-53. Apr. 26, 16.78; Nov. 5, 19.31.

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, 1943-53. Apr. 25, 67.07; Nov. 5, 67.26.

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 33.40 below lsd, Sept. 7, 1950. Records available: 1931, 1943-53. Apr. 26, 24.10; Nov. 5, 28.42.

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 0.8 below lsd, Oct. 24, 1948. Records available: 1943-53. Apr. 26, +7.5; Nov. 4, +2.5.

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 1.3 below lsd, Sept. 27, 1949. Records available: 1931-32, 1943-53. Apr. 25, +3.2; Nov. 4, +1.2.

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: 1947-53. Apr. 26, 27.10.

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, 1947-53. Apr. 26, +30.4; Nov. 4, +22.7.

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: 1943-53. Apr. 26, +22.4; Nov. 4, +17.3.

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 25.8 above lsd, May 6, 1952; lowest 13.0 above lsd, May 5, 1948. Records available: 1931-32, 1943-53. Apr. 26, +24.0; Nov. 4, +17.5.

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: 1943-53. Apr. 26, +8.7; Nov. 4, +3.0.

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: 1943-53. Apr. 26, +6.8; Nov. 4, +6.5.

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 7.9 above lsd, Sept. 27, 1949. Records available: 1931-32, 1943-45, 1947-53. Apr. 26, +13.6, Nov. 4, +12.9.

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 7.0 above lsd, Sept. 27, 1949. Records available: 1943-53. Apr. 26, +13.6.

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 6.0 above lsd, Sept. 7, 1950. Records available: 1943-53. Apr. 26, +23.1; Nov. 4, +13.0.

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: 1943-53. Apr. 26, +15.2; Nov. 4, +23.0.

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, 1947-53. Apr. 25, +23.2; Nov. 4, +15.5.

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: 1943-53. Apr. 26, +14.4; Nov. 5, +10.7.

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 8.8 above lsd, Sept. 7, 1950. Records available: 1943-53. Apr. 25, +12.5; Nov. 5, +11.7.

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: 1943-53. Apr. 26, +12.2; Nov. 5, +11.1.

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: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	38.2	Apr. 6	41.5	July 6	40.1	Oct. 5	32.9
12	38.4	13	41.7	13	39.9	11	33.1
19	38.7	20	41.9	20	39.0	19	33.1
26	38.9	27	42.1	27	38.5	26	33.8
Feb. 2	39.2	May 4	41.9	Aug. 3	37.5	Nov. 2	33.9
9	39.6	11	41.8	10	37.1	9	34.5
16	39.9	18	41.5	17	36.4	16	35.3
23	40.1	25	41.1	24	35.7	23	34.5
Mar. 2	40.5	June 1	40.8	31	34.9	30	35.9
9	40.8	8	40.7	Sept. 7	34.2	Dec. 7	36.4
15	40.8	15	40.7	14	33.7	14	37.1
19	41.1	22	40.5	21	33.5	21	37.2
23	41.1	29	40.5	28	33.2	28	37.6
30	41.4						

MONTANA

By Frank A. Swenson

Scope of Water-Level Program

The observation-well program in Montana was continued in 1953 in connection with ground-water studies being made as part of the program for development of the Missouri River basin. Measurements of water levels in 22 wells are included in this report. Figure 17 shows the location of the wells. Measurements of the water levels in many other wells in the State are presented in the reports on the project studies.

Interpretation of Water-Level Fluctuations

The year of 1953 was characterized by extremes in water-level fluctuations. In 10 of the 22 wells the water level reached the highest stage during the period of record and in 7 it reached the lowest. In general the high stages of water level were attained in midsummer as a result of heavier than normal precipitation. In some of the wells the high stage was somewhat delayed, possibly because time was required for the recharge to reach the aquifer tapped by these wells. The lowest stages of water level were recorded in the winter or early spring as a result of an abnormally dry fall in 1952.

Well-Numbering System

Wells are numbered in accordance with the United States 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 base line system. Thus, the number A1-10-27ad indicates that the well so designated is in the $SE\frac{1}{4}NE\frac{1}{4}$ sec. 27, T. 1 N., R. 10 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: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	27.72	May 1	28.10	Aug. 12	6.80	Nov. 19	22.52
Mar. 1	28.74	30	22.03	Sept. 16	14.93	Dec. 16	24.72
26	26.62	July 7	2.09	Oct. 17	18.68		

Carter County

D-9-60-19cc. Alzada Gospel Church. Drilled unused well, diameter 6 inches, depth 26 feet, steel casing. Highest water level 18.34 below lsd, July 14, 1953; lowest 21.33 below lsd, Oct. 14, 1948. Records available: 1947-53. Mar. 26, 18.70; June 19, 20.02; July 14, 18.34; Nov. 9, 19.92; Dec. 8, 19.90.

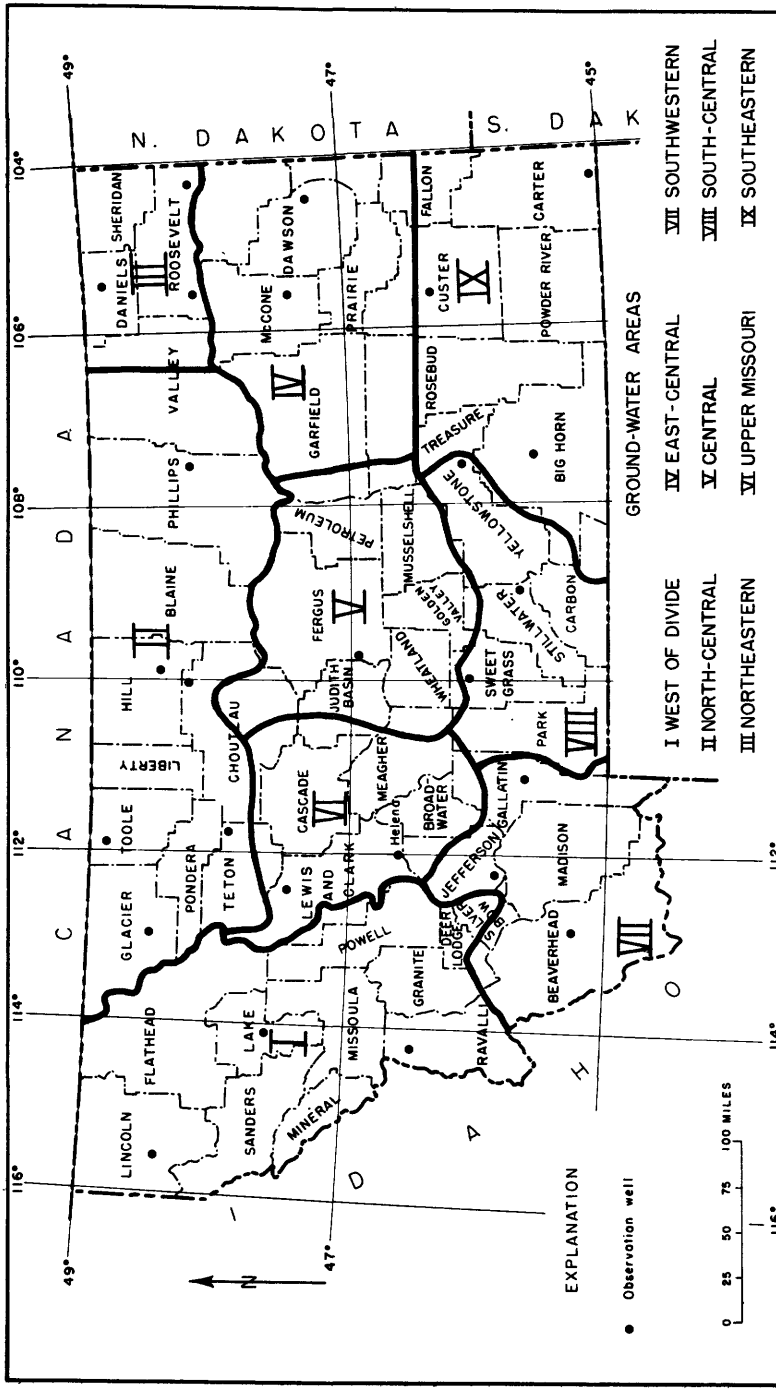


Figure 17.--Location of observation wells in Montana, 1953.

Chouteau County

A-29-13-21aa2. U. S. Geol. Survey. Unused well in deposits of Pleistocene age, diameter 2 inches, depth 210 feet, steel casing to 167 feet. Highest water level 15.78 below lsd, May 17, 1949; lowest 17.48 below lsd, Mar. 25, 1953. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 25	17.48	Apr. 17	16.87	Aug. 7	17.11	Sept. 5	16.89
Apr. 4	16.88	July 21	17.28	12	16.79	Nov. 11	17.26

Custer County

A-7-47-13dd. Owner unknown. Drilled unused well in Fort Union formation, diameter 4 inches, depth 46 feet, steel casing. Highest water level 38.16 below lsd, Oct. 9, 1952; lowest 43.10 below lsd, June 6, 1947. Records available: 1947-53.

Jan. 15	40.70	Apr. 13	41.40	July 16	40.86	Oct. 6	39.07
Feb. 10	40.98	May 19	41.43	Aug. 10	39.94	Nov. 9	39.00
Mar. 27	41.57	July 7	41.22	Sept. 10	39.26	Dec. 9	39.60

Daniels County

A-35-47-12cd. State of Montana. Dug unused well, diameter 4 feet, depth 31 feet, wood and stone cribbing. Highest water level 13.20 below lsd, July 28, 1953; lowest 15.66 below lsd, Feb. 21, 1948. Records available: 1947-53. Apr. 22, 14.30; May 25, 13.74; July 28, 13.20; Aug. 25, 14.04; Oct. 7, 14.06; Oct. 20, 14.00; Nov. 24, 14.05.

Dawson County

A-18-56-25cb. Mrs. Bud Stevenson. Dug unused well in terrace deposits, diameter 30 inches, depth 28 feet, concrete cribbing. Highest water level 22.63 below lsd, Sept. 15, 1952; lowest 25.39 below lsd, Feb. 25, 1953. Records available: 1947-53.

Jan. 27	25.09	Apr. 29	25.29	Aug. 31	24.81	Nov. 17	25.14
Feb. 25	25.39	June 16	25.11	Oct. 13	25.02	Dec. 30	25.18
Mar. 27	25.14						

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 35.59 below lsd, Apr. 30, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 31, 1950	34.95	Aug. 30, 1951	34.70	July 1, 1952	34.30	Apr. 30, 1953	35.59
Nov. 29	35.33	Oct. 3	34.78	Aug. 1	34.36	May 27	35.02
Dec. 28	35.52	Nov. 2	34.88	28	34.31	June 30	34.78
Feb. 1, 1951	34.72	Dec. 1	34.83	Oct. 1	34.35	July 31	34.64
28	34.85	Jan. 2, 1952	34.88	30	34.40	Sept. 1	34.48
Mar. 30	34.80	Feb. 1	34.90	Dec. 30	34.71	29	34.44
May 1	34.80	28	34.84	Jan. 30, 1953	34.81	Oct. 29	34.13
June 1	34.86	Apr. 1	33.37	Feb. 27	34.88	Dec. 1	34.19
30	34.83	30	33.15	Mar. 31	35.24	30	34.47
Aug. 1	34.76	May 31	34.27				

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; lowest 2.96 below lsd, Oct. 1, 1953. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	0.18	Apr. 15	0.74	July 24	1.55	Oct. 16	2.74
Feb. 2	1.28	29	.03	Aug. 5	1.14	Nov. 10	2.66
27	1.75	June 22	1.64	Oct. 1	2.96	Dec. 8	2.58

Hill County

A-32-15-17dd. U. S. Geol. Survey. Drilled unused well in deposits of Pleistocene age, diameter 2 inches, depth 180 feet, steel casing to 152. Highest water level 42.14 below lsd, Aug. 4, 1953; lowest 52.56 below lsd, June 18, 1947. Records available: 1947-53. Mar. 25, 42.56; July 19, 42.16; Aug. 4, 42.14; Aug. 15, 42.14; Sept. 2, 42.16; Nov. 11, 42.21.

Jefferson County

B-1-4-8cd. Joe Merrick. Drilled unused well, diameter 4 inches, depth 9 feet, steel casing. Highest water level 1.88 below lsd, Oct. 5, 1953; lowest 6.00 below lsd, June 23, 1947. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	3.02	Apr. 27	3.60	July 9	3.35	Nov. 16	2.46
Feb. 24	3.19	May 26	3.36	Oct. 5	1.88	Dec. 17	2.55
Mar. 23	3.21						

Lewis and Clark County

B-20-6-8da. Owner unknown. Dug unused well, diameter 24 inches, depth 13 feet, masonry cribbing. Highest water level 6.85 below lsd, June 9, 1953; lowest 11.49 below lsd, Jan. 15, 1948. Records available: 1947-53.

Jan. 15	10.61	Feb. 25	10.59	June 9	6.85	Nov. 9	10.57
Feb. 2	10.60	Mar. 30	10.83	Aug. 3	7.18	Dec. 7	10.51

Lincoln County

B-31-31-32db. Owner unknown. Dug unused well, diameter 4 feet, depth 15 feet, masonry cribbing. Highest water level 5.02 below lsd, June 2, 1948; lowest 13.23 below lsd, Dec. 9, 1952. Records available: 1947-53.

Jan. 20	10.18	Apr. 14	8.32	July 7	8.18	Oct. 9	11.50
Feb. 19	8.87	May 19	8.08	Aug. 5	9.30	Nov. 9	12.34
Mar. 19	8.55	June 11	7.38	Sept. 8	10.75	Dec. 15	11.05

McCone County

A-19-48-10db. Eldridge. Drilled domestic well, diameter 12 incnes, depth 36 feet, wood stave casing. Highest water level 26.86 below lsd, Oct. 4, 1947; lowest 30.51 below lsd, May 29, 1950. Records available: 1947-53.

Jan. 28	28.44	Apr. 29	28.25	Sept. 1	27.86	Dec. 11	27.88
Feb. 26	28.52	June 25	27.22	Oct. 14	28.12	30	27.94
Mar. 25	28.45	July 25	27.79	Nov. 17	27.66		

Phillips County

A-31-34-8ca. W. D. Miller. Drilled unused well, diameter 5 inches, depth 15 feet, steel casing. Highest water level 2.65 below lsd, Aug. 19, 1948; lowest 6.90 below lsd, Mar. 11, 1953. Records available: 1947-53. Jan. 26, 6.58; Mar. 11, 6.90; May 21, 5.57; Aug. 18, 4.22; Oct. 16, 4.82; Dec. 4, 5.31.

Ravalli County

B-7-20-18ab. Owner unknown. Dug unused well, diameter 30 inches, depth 18 feet, woo stave casing. Highest water level 2.75 below lsd, May 3, 1952; lowest 13.42 below lsd, Jan. 20, 1953. Records available: 1947-53.

Jan. 20	13.42	Apr. 28	4.65	June 10	4.70	Oct. 3	10.20
Feb. 24	11.06	May 19	3.83	July 28	6.70	27	9.54
Mar. 31	8.61	28	4.83	Aug. 31	9.72	Dec. 2	9.88

Roosevelt County

A-28-49-35ca. Owner unknown. Drilled unused well, diameter 4 inches, depth 49 feet, steel casing. Highest water level 14.70 below lsd, May 1, 1947; lowest 28.88 below lsd, Oct. 8, 1946. Records available: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	18.68	Apr. 21	17.45	July 27	17.39	Nov. 10	17.12
Feb. 25	18.69	May 21	16.74	Aug. 10	17.37	Dec. 16	17.09
Mar. 27	18.57	June 16	17.67	Oct. 21	17.40		

A-28-57-28dd. Abandoned school. Drilled unused well in Fort Union formation, diameter 5 inches, depth 29 feet, steel casing. Highest water level 23.92 below lsd, Dec. 26, 1953; lowest 27.52 below lsd, Apr. 25, 1946. Records available: 1946-53.

Jan. 8	24.89	Mar. 27	25.11	June 16	25.06	Nov. 10	24.43
Feb. 28	24.92	Apr. 14	25.14	July 27	24.32	Dec. 26	23.92
Mar. 9	24.92	May 20	25.04	Oct. 20	24.22		

Stillwater County

D-2-23-29ba. Alvin Southworth. Drilled domestic well, diameter 6 inches, depth 24 feet, steel casing. Highest water level 2.73 below lsd, Sept. 23, 1949; lowest 12.23 below lsd, May 24, 1950. Records available: 1947-53.

Jan. 20	9.26	Apr. 17	11.59	June 15	9.90	Aug. 8	3.95
Feb. 18	10.16	May 18	11.03	July 21	6.55	Oct. 15	4.68
Mar. 20	10.87						

Sweet Grass County

A-4-14-14ba. Spike Van Cleave. Dug well in valley fill, diameter 30 inches, depth 16 feet, cribbed with stone. Measurement discontinued Aug. 6, 1951; reestablished with new measuring point Dec. 30, 1952. Highest water level 4.73 below lsd, June 11, 1947; lowest 14.67 below lsd, Mar. 24, 1953. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 30, 1952	14.06	Mar. 24, 1953	14.67	July 3, 1953	6.66	Oct. 27, 1953	9.78
Jan. 22, 1953	14.42	Apr. 28	10.23	Aug. 14	11.76	Dec. 1	12.97
Feb. 25	14.55	May 26	5.75	Sept. 28	10.10		

Teton County

B-25-1-15ab. Don Meech. Dug domestic and stock well in alluvium, diameter 8 feet, depth 23 feet, concrete casing. Highest water level 5.90 below lsd, June 26, 1953; lowest 17.53 below lsd, Apr. 3, 1952. Records available: 1947-53. Jan. 7, 14.94; Feb. 8, 14.73, Feb. 25, 14.77; Mar. 6, 14.82; May 7, 14.55; June 26, 5.90; Aug. 24, 14.08. Measurement discontinued.

Toole County

B-36-2-8cc. Cloyd Hannon. Dug domestic and stock well, diameter 4 1/3 feet, depth 17 feet, wood cribbing. Highest water level 1.43 below lsd, June 6, 1953; lowest 10.53 below lsd, Feb. 13, 1950. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	8.60	Apr. 9	3.52	June 6	1.43	Oct. 22	6.93
Feb. 8	8.82	May 7	3.28	Aug. 24	4.68	Dec. 2	7.16

Yellowstone County

A-4-33-1aa. Cross Service Station. Drilled domestic well in irrigated alluvium, diameter 8 inches, depth 30 feet, steel casing. Highest water level 7.20 below lsd, Nov. 11, 1953; lowest 11.83 below lsd, May 16, 1949. Records available: 1947-53.

Jan. 10	9.96	Apr. 23	10.90	Sept. 9	9.48	Nov. 11	7.20
Mar. 7	10.60	June 29	9.03	Oct. 5	9.60	Dec. 11	10.03
Apr. 4	10.66						

OREGON

By Stuart G. Brown

Scope of Water-Level Program

The observation-well program in Oregon was continued in 1953 in cooperation with the State Engineer. Measurements were made in 93 wells; measurements were discontinued in 2 wells; 6 nonrecording gages were in operation during the year. Figures 18, 19, and 20 show the location of observation wells in western, central, and eastern Oregon, respectively.

Precipitation

Precipitation for the State as a whole was 112 percent of the 50-year average at the 17 stations for which it was computed. Values ranged from 90 percent at Harney Experimental Station at Burns to 131 percent of normal at LaGrande. West of the Cascades the highest precipitation was 130 percent of normal at Grants Pass,and the lowest was 92 percent at Falls City. East of the Cascades the highest and lowest precipitation were those reported above for the State as a whole at LaGrande and the Harney Experimental Station. West of the Cascades precipitation was 108 percent of the 50-year average, while east of the Cascades it was 115 percent of the 50-year average. Snowfall was slightly above normal.

Interpretation of Water-Level Fluctuations

September-end water levels in the Willamette Valley subprovince in 1953 were on an average 0.58 foot above those for 1952. In the Deschutes River subprovince well 14/15-15Q1 in the Prineville area and outside the area of heavy withdrawals from the artesian aquifer was 3 feet lower in September 1953 than in September 1952. Well 14/16-32N1 in the area of heavy pumpage at Prineville was 4.82 feet higher in October 1953 than in September 1952. Water level in well 14/16-19H1, drawing its water from the shallower unconfined zone, was substantially at the same level in October 1953 as in September 1952. Well 15/16-5D1, which also draws from the shallow unconfined zone, was 0.59 foot lower in October 1953 than in September 1952. In the Fort Rock area of the Summer Lake subprovince there was a general rise of about 0.35 foot in the water levels of wells with water-table aquifers; however, one well, 28/14-23D1, showed a water-level drop of 0.74 foot. Artesian wells in that area showed an average general rise of 0.41 foot; well 27/15-4G1 rose 0.73 foot. In the Chewaucan River valley, September-end water levels were 0.66 foot higher in October 1953 than in September 1952. Well 29/23-3J1 in the Alkali Lake area was 0.13 foot lower than it was in September 1952. Water levels in three of the four wells in the northern part of the Owyhee subprovince were on the average 0.62 foot higher in October 1953 than in September 1952, although well 18/47-17D1 showed a drop of 1.99 feet at year's end. In the southern part of the Owyhee subprovince the net change was 0.27 foot down from the level of September 1952. In the Burns area of the Harney Basin subprovince water levels at the year's end were 0.18 foot higher than in September 1952. In the Warner Valley area of the Harney Basin subprovince,the levels of the water table fell on an average of 1.58 foot, while artesian wells fell 0.28 foot from the levels of September 1952. Water levels in the Walla Walla subprovince at the year-end were on an average 0.49 foot lower than in September 1952. In well 6N/35-36H1 the yearly high occurred in May and was 4.81 feet lower than the high of 1952, which occurred in June. Observation wells in the Grand Ronde subprovince are located in both the Powder River and Grande Ronde valleys. In the Baker area of Powder River valley, September-end water levels were on the average 0.48 foot lower than those of 1952. The highest water level of the year occurred in January 1953 and was only 0.05 foot lower than the highest level of 1952 which occurred in March. In the Grande Ronde valley September-end water levels were on the average 0.57 foot above the levels of September 1952.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The part preceding the hyphen indicates township and range; the one or two digits immediately following the hyphen indicate the section; the letter following indicates the 40-acre

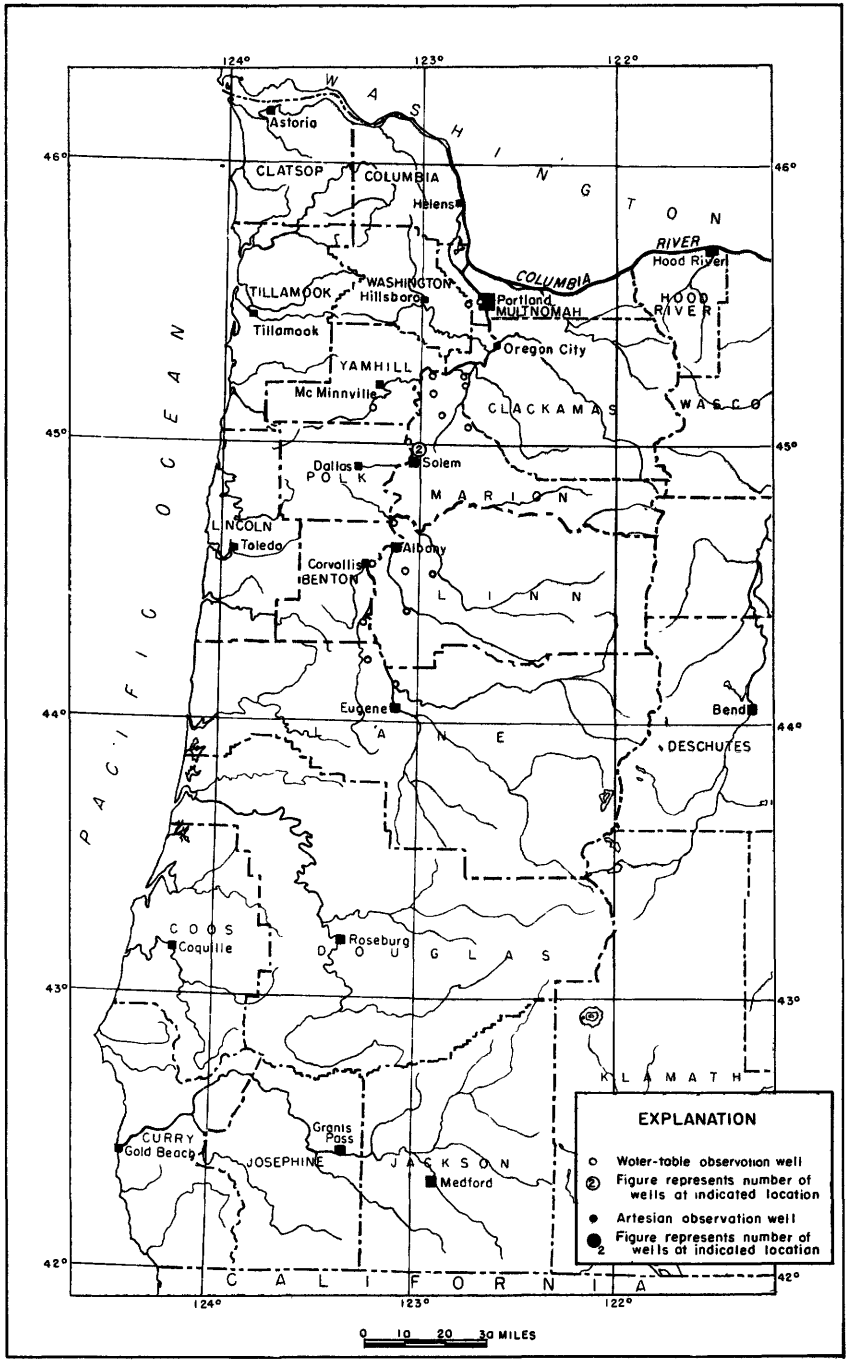


Figure 18. --Location of observation wells in western Oregon, 1953.

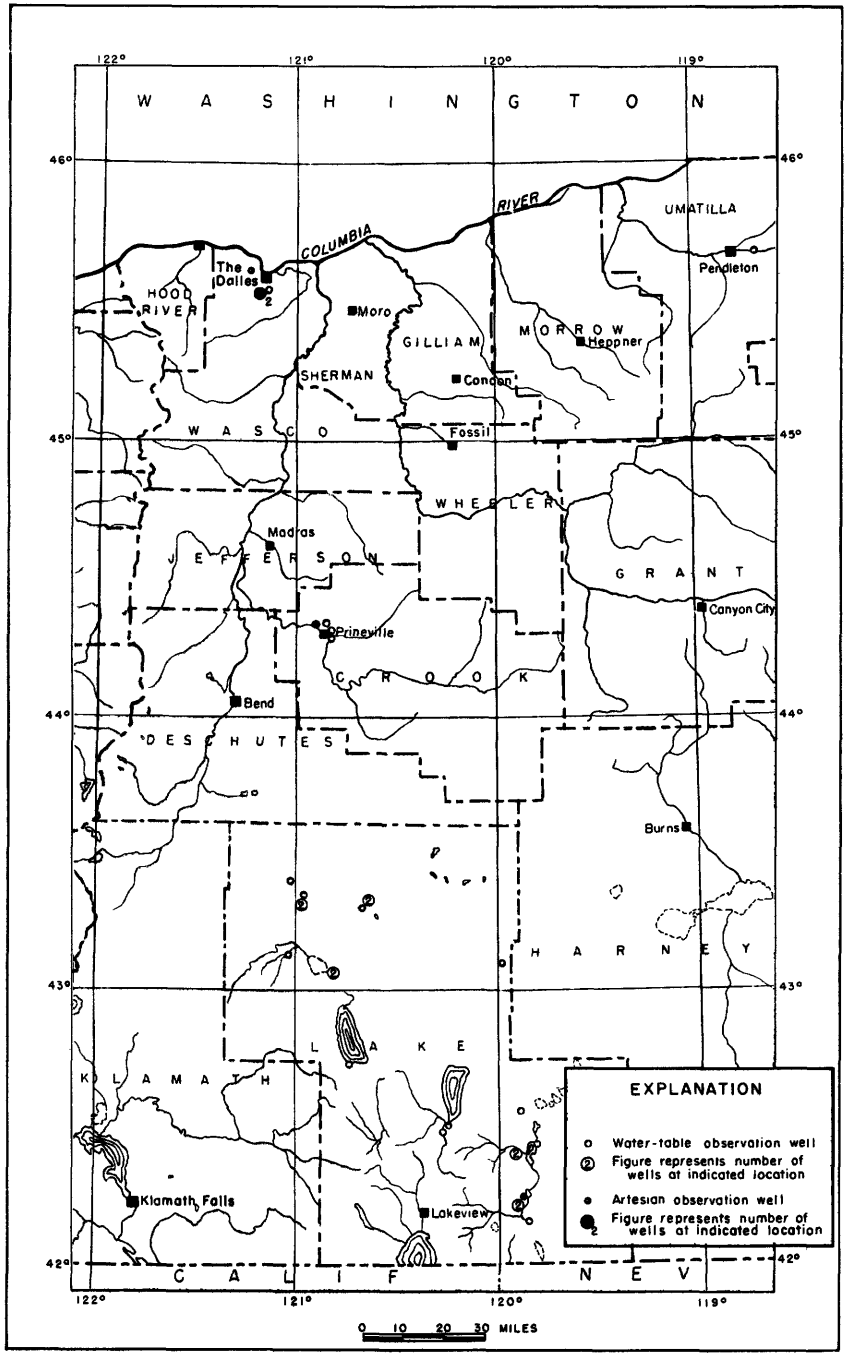


Figure 19. --Location of observation wells in central Oregon, 1953.

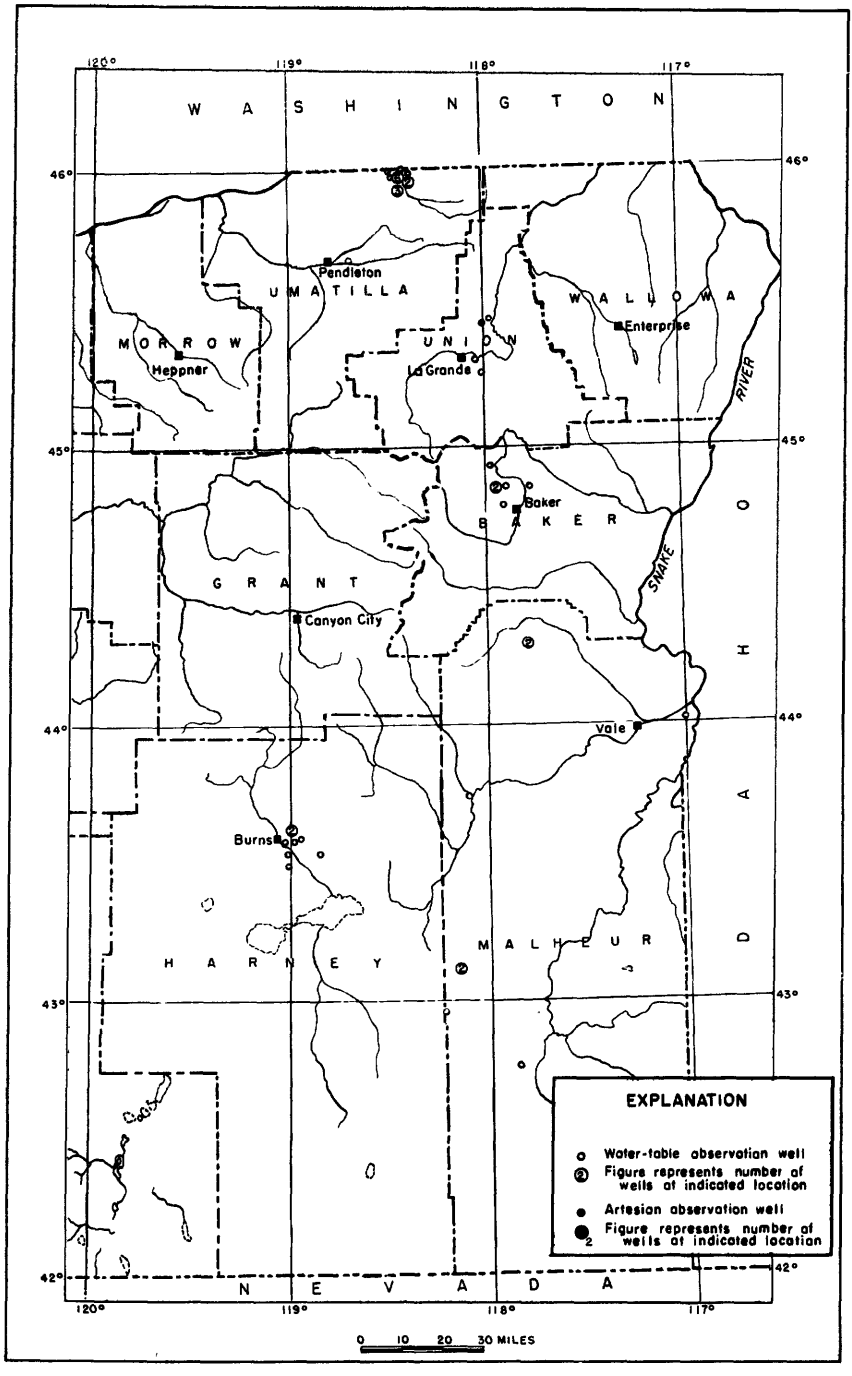
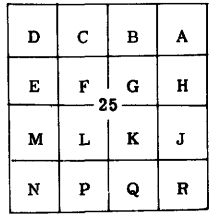


Figure 20. --Location of observation wells in eastern Oregon, 1953.

subdivision of the section, as shown in the accompanying 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 base line and meridian. If no letter appears after the township, the township lies south of the base line, 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

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 to 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, 1938-53. Mar. 26, 3.66; Aug. 5, 4.79; Oct. 13, 6.87.

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, perforated 12-inch steel casing 7 to 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, 1938-53. Mar. 26, 3.05; Aug. 5, 4.69; Oct. 13, 3.88.

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 4.95 below lsd, Sept. 11, 1950. Records available: 1949-53.

Daily water level from nonrecording gage

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.14	2.58	2.52	2.85	3.40	2.84	3.63	4.55	3.85	....	....	....
2	3.14	2.50	2.63	2.89	3.41	2.49	3.66	4.56	3.85	3.82	....	....
3	3.14	2.40	2.73	2.99	3.43	2.59	3.69	4.60	3.82	....	....	....
4	3.13	2.35	2.75	3.01	3.44	2.69	3.74	4.62	3.80	....	....	2.42
5	3.11	2.32	2.74	3.03	3.46	2.78	3.79	4.65	3.79	....	....	....
6	3.08	2.40	2.73	3.05	3.48	2.50	3.80	4.69	3.77	....	3.15	....
7	3.06	2.85	2.72	3.08	3.50	2.80	3.81	4.71	3.75	....	....	....
8	2.00	2.95	2.70	3.10	3.52	2.25	3.82	4.74	3.74	....	....	....
9	1.25	2.80	2.70	3.09	3.55	2.36	3.83	4.77	3.75	3.69	....	....
10	1.50	2.48	2.75	3.08	3.58	2.41	3.84	4.79	3.76	....	....	....
11	1.60	2.52	2.80	3.07	3.60	2.59	3.85	4.82	3.77	....	....	2.55
12	1.78	2.59	2.82	3.14	3.62	2.70	3.85	4.85	3.78	....	....	....
13	1.80	2.60	2.84	3.14	3.64	2.80	3.87	4.88	3.79	....	3.10	....
14	1.60	2.61	2.86	3.13	3.68	2.85	3.89	4.90	3.80	....	....	....
15	1.61	2.62	2.84	3.12	3.69	2.89	4.00	4.91	3.81	....	....	....
16	2.04	2.65	2.89	3.12	3.70	2.95	4.19	4.97	3.81	3.58	....	....
17	2.08	2.67	2.92	3.13	3.72	3.00	4.20	3.00	3.82	....	....	....
18	1.95	2.68	2.95	3.14	3.67	3.17	4.22	3.45	3.82	....	....	1.94
19	1.90	2.69	2.90	3.15	3.62	3.22	4.24	3.49	3.82	....	....	....
20	1.82	2.70	2.88	3.15	3.55	3.28	4.27	3.54	3.83	....	2.95	....
21	2.05	2.78	2.42	3.18	3.50	3.35	4.30	3.60	3.84	....	....	....
22	2.25	2.75	2.45	3.22	3.45	3.40	4.33	3.63	3.85	....	....	....
23	2.28	2.78	2.32	3.28	3.40	3.43	4.35	3.70	3.85	3.28	....	....
24	2.28	2.79	2.38	3.30	3.25	3.44	4.37	3.72	3.84	....	....	....
25	2.34	2.75	2.52	3.30	3.15	3.49	4.38	3.74	3.84	....	....	2.60
26	2.45	2.70	2.60	3.32	3.09	3.55	4.39	3.77	3.83	....	....	....
27	2.50	2.60	2.68	3.35	3.09	3.57	4.40	3.80	3.83	....	2.31	....
28	2.54	2.58	2.72	3.37	3.09	3.58	4.41	3.82	3.84	....	....	....
29	2.56		2.80	3.38	2.69	3.59	4.42	3.83	3.84	....	....	....
30	2.58		2.85	3.39	2.54	3.60	4.44	3.84	3.82	3.20	....	....
31	2.58		2.89		2.35		4.46	3.85		....		....

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, 1938-53. Mar. 26, 0.98; Aug. 5, 4.81; Oct. 13, 5.92.

8/40-23A1. Baker County. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ 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, 1949-53. Mar. 26, 2.72; Aug. 5, 3.84; Oct. 13, 4.13.

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: 1949-53. Mar. 26, 8.76; Aug. 5, 7.51; Oct. 13, 10.59.

Benton County

14/5W-10R1. Chris Lindseth. Driven unused water-table well in alluvium, diameter $1\frac{1}{4}$ 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, 1938-53. June 2, 12.31; Dec. 22, 5.69.

Crook 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: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 9	+66.5	Apr. 14	+69.5	July 13	+71.0	Oct. 15	+66.5
15	67.5	May 15	71.5	20	70.5	16	66.5
26	67.5	18	71.5	Aug. 19	63.5	Nov. 8	67.5
Mar. 4	67.5	21	68.0	25	64.5	16	67.5
12	68.5	27	73.5	Sept. 21	64.5	18	67.5
31	68.5	June 1	64.5	28	65.5	Dec. 14	67.5
Apr. 1	68.5	25	72.5	Oct. 6	64.5	26	67.5
6	68.5	July 7	65.0				

14/16-19H1. Floyd Bailey. Drilled domestic water-table well in sandy lacustrine sediments of Pleistocene age, diameter 6 inches, depth 47 feet. Land-surface datum is about 2,970 feet above msl. Highest water level 2.74 below lsd, Aug. 26, 1949; lowest 17.51 below lsd, Mar. 19, 1948. Records available: 1944, 1947-53. Mar. 31, 15.72; July 13, 6.23; Oct. 16, 4.55.

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: 1944-53. Mar. 31, 6.21; July 13, 13.58; Oct. 16, 8.95.

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 8.11 below lsd, Oct. 16, 1953. Records available: 1943, 1947-53. Mar. 31, 7.06; Oct. 16, 6.11.

Harney County

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: 1936-53. Mar. 29, 9.23; July 16, 9.19; Oct. 14, 11.67.

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, 1938-53. Mar. 29, 3.70; July 16, 4.86; Oct. 14, 8.01.

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, 1938-53. Mar. 29, 3.50; July 16, 4.85; Oct. 14, 8.81.

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 to 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, 1936-53. Mar. 29, 5.28; July 16, 5.02; Oct. 14, 7.33.

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 to 13. Land-surface datum is 4,134.02 feet above msl. Highest water level 0.80 below lsd, May 17, 1953; lowest 7.90 below lsd, Feb. 12, 1950. Records available: 1936, 1938-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	6.94	Mar. 22	4.66	June 7	0.98	Aug. 23	5.53
11	6.28	28	4.56	14	1.15	28	5.67
18	5.62	29	4.56	21	1.61	Sept. 6	5.98
25	5.24	Apr. 5	4.44	28	1.68	13	6.19
28	5.25	12	3.14	July 5	2.07	20	6.34
Feb. 1	5.24	19	2.38	12	2.50	27	6.50
8	4.93	26	1.35	16	2.80	26	6.51
15	4.83	28	1.25	19	3.11	Oct. 4	6.62
22	4.79	May 3	1.20	26	3.64	11	6.72
26	4.82	10	1.20	28	3.79	14	6.76
Mar. 1	4.77	17	.80	Aug. 2	4.27	18	6.82
8	4.76	24	1.01	9	4.78	25	6.88
15	4.74	28	1.04	16	5.18	28	6.90

23/32-7L1. Harney Branch Experiment Station. Drilled 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: 1929-53. Mar. 29, 6.09; July 16, 6.32; Oct. 14, 5.70.

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: 1928-53. Mar. 29, 3.63; July 16, 2.56; Oct. 14, 5.41.

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 to 19. Land-surface datum is 4,130.77 feet above msl. Highest water level 6.48 below lsd, June 21, 1952; lowest 14.41 below lsd, May 17, 1940. Records available: 1936, 1938-53. Mar. 29, 7.60; July 16, 6.93; Oct. 14, 8.32.

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 to 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, 1938-53. Mar. 29, 6.41; July 16, 7.13; Oct. 14, 8.78.

Lake County

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, 1938-53. Apr. 1, 49.17; July 18, 46.55; Oct. 16, 46.36.

26/15-22B2. U. S. Soil Conservation Service. Drilled unused well in lacustrine sediments, diameter 12 inches, depth 63 feet. Land-surface datum is about 4,313 feet above msl. Highest water level 24.36 below lsd, Oct. 16, 1953; lowest 28.07 below lsd, Feb. 18, 1950. Records available: 1940-41, 1948-53. Apr. 1, 25.32; July 18, 25.03; Oct. 16, 24.36.

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 38.71 below lsd, Sept. 4, 1932; lowest 43.12 below lsd, Oct. 6, 1940. Records available: 1932, 1935-36, 1938-53. Apr. 1, 39.64; Oct. 16, 39.16.

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 39.62 below lsd, Sept. 4, 1932; lowest 43.62 below lsd, Oct. 9, 1947. Records available: 1932, 1935-36, 1938-53. Apr. 1, 41.04; July 18, 41.24.

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 25.13 below lsd, May 25, 1941; lowest 28.28 below lsd, Aug. 5, 1948. Records available: 1938, 1940-44, 1946-53. Apr. 1, 26.62; July 18, 26.38; Oct. 16, 26.23.

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: 1940-53. Apr. 1, 25.19; July 18, 25.09; Oct. 16, 25.12.

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: 1938-53. Apr. 1, 26.00; July 18, 24.54; Oct. 16, 24.57.

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: 1949-53. Apr. 1, 14.50; July 18, 6.85; Oct. 16, 10.20.

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 7.65 below lsd, Oct. 16, 1953; lowest 10.01 below lsd, Feb. 17, 1950. Records available: 1949-53. Apr. 15, 8.03; Oct. 16, 7.65.

29/16-9D2. Sid Harris. Drilled stock water well in sand, diameter 8 inches, depth 55 feet. Land-surface datum is about 4,302 feet above msl. Highest water level 0.90 below lsd, June 18, 1952; lowest 14.00 below lsd, July 12, 1950. Records available: 1949-53. Apr. 1, 5.53; Oct. 16, 4.85.

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, 1947-53. Apr. 1, 19.08; July 18, 19.06; Oct. 15, 19.11.

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: 1948-53. Apr. 1, 23.85; July 19, 15.00; Oct. 16, 21.06.

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, 1950-53. Apr. 1, 24.79, pumping; July 19, 19.44; Oct. 16, 20.18.

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: 1949-53. Apr. 1, 7.53; July 20, 7.63; Oct. 15, 7.89.

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: 1938-53. Apr. 1, 11.36; July 18, 11.08; Oct. 16, 11.32.

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: 1948-53. Apr. 1, 18.39; July 20, 18.58; Oct. 15, 23.46.

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, 1948-53. Apr. 1, 11.94; July 20, 11.83; Oct. 15, 15.84.

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: 1948-53. Apr. 1, 2.15; July 20, 1.98; Oct. 15, 2.53.

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 0.00, Apr. 16, June 19, Sept. 5, 1952, Apr. 1, 1953; lowest 0.64 below lsd, Nov. 13, 1949. Records available: 1948-53. Apr. 1, 0.00; July 20, +0.02; Oct. 15, 0.01.

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 18.76 below lsd, Feb. 13, 1950. Records available: 1948-52. Apr. 1, 18.55; July 20, 15.96; Oct. 15, 16.07.

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 16.64 below lsd, Feb. 13, 1950. Records available: 1948-53. Apr. 1, 16.43; July 20, 13.30; Oct. 15, 13.86.

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 1.49 below lsd, June 19, 1952; lowest 6.21 below lsd, Nov. 13, 1949. Records available: 1948-53. Apr. 1, 3.93; July 20, 1.92; Oct. 15, 5.74.

Lane County

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, 1938-53. June 2, 5.97; Oct. 8, 10.47; Dec. 22, 3.36.

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, 1938-53. June 2, 9.96; Oct. 8, 12.47; Dec. 22, 6.74.

Linn County

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, 1938-53. June 2, 19.30; Oct. 8, 23.33; Dec. 22, 11.50.

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 7.76 below lsd, Dec. 21, 1929; lowest 26.03 below lsd, Aug. 19, 1935. Records available: 1929-30, 1935-36, 1938-53. June 2, 17.75; Dec. 22, 8.55.

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: 1941-53. June 2, 6.56; Oct. 8, 10.02; Dec. 22, 3.99.

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. June 2, 3.28.

13/3W-34N1. Keeney School, District 51. Driven unused water-table well in alluvium, diameter 1¼ inches, depth 12 fset, 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, 1950-53. June 2, 2.35; Oct. 8, 6.71; Dec. 22, 2.02.

Malheur County

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 24.30 below lsd, Sept. 9, 1952. Records available: 1950-53. Mar. 27, 21.05; Aug. 4, 23.16; Oct. 13, 23.64.

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 38.29 below lsd, Aug. 14, 1951. Records available: 1950-53. Mar. 27, 36.07; Aug. 4, 62.08, pumping; Oct. 13, 37.98.

18/47-17D1. Earl Weaver. Drilled domestic water 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 11.09 below lsd, Mar. 27, 1953. Records available: 1950-53. Mar. 27, 11.09; Aug. 5, 8.31; Oct. 13, 8.90.

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 11.14 below lsd, Feb. 12, 1950. Records available: 1945-53. Mar. 27, 10.68; Aug. 4, 6.23; Oct. 14, 5.02.

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 level 3.30 below lsd, Apr. 17, 1952; lowest 14.14 below lsd, Oct. 28, 1950. Records available: 1950-53. Mar. 28, 7.52; July 17, 8.38; Oct. 14, 10.93.

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 55.29 below lsd, Mar. 28, 1953; lowest 57.73 below lsd, Aug. 15, 1951. Records available: 1950-53. Mar. 28, 55.29; July 17, 55.49; Oct. 14, 55.52.

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: 1950-53. Mar. 28, 85.36; July 17, 85.69; Oct. 14, 85.60.

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 235.22 below lsd, Dec. 30, 1952; lowest 237.55 below lsd, July 17, 1953. Records available: 1950-53. Mar. 28, 235.95; July 17, 237.55; Oct. 14, 235.31.

Marion County

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, 1938-53. June 3, 3.10; Oct. 7, 16.90; Dec. 21, 0.99.

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: 1945-53. June 3, 52.55; Oct. 7, 53.18; Dec. 21, 53.50.

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, 1938-53. June 3, 10.94; Oct. 7, 14.54; Dec. 21, 9.00.

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, 1938-53. June 3, 8.06; Oct. 7, 17.04; Dec. 21, 0.96.

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 and 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: 1930, 1935-36, 1938-53. June 3, 17.66; Oct. 7, 24.20; Dec. 21, 15.80.

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, 1938-53. June 3, 21.50; Oct. 7, 27.33; Dec. 21, 18.06.

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, 1938-53. June 3, 2.76; Oct. 7, 11.42; Dec. 21, 0.34.

7/3W-11D2. F. G. Kurtz. Drilled public-supply water-table well in sand and gravel, diameter 8 inches, depth 67 feet, perforated 45-50 and 60-67. Land surface datum is about 140 feet above msl. Highest water level 10.07 below lsd, Mar. 26, 1951; lowest 19.35 below lsd, Sept. 10, Dec. 23, 1952. Records available: 1947-53. June 3, 13.42; Oct. 7, 18.00.

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 12.56 below lsd, Mar. 11, 1948; lowest 19.50 below lsd, Dec. 23, 1952. Records available: 1947-53. June 3, 14.74; Oct. 7, 18.36.

7/3W-11H7. Sam James. 1415 Candlewood Drive, North Salem. Driven domestic water-table well in sand and gravel, diameter 2 inches, depth 27 feet. Land-surface datum is 138.11 feet above msl. Highest water level 6.15 below lsd, Mar. 11, 1948; lowest 11.79 below lsd, Nov. 25, 1949. Records available: 1948-52. Measurement discontinued.

Multnomah County

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: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	31.11	May 4	a35.59	July 31	a31.33	Nov. 2	30.73
30	28.14	June 1	27.49	Aug. 31	a32.84	Dec. 2	30.24
Mar. 2	29.03	30	a28.42	Oct. 2	30.43	31	29.18
Apr. 2	28.07						

a Pumping.

Umatilla County

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. Mar. 26, 6.47; Aug. 6, 6.05; Oct. 12, 5.90.

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: 1933-53.

Jan. 10	26.82	Apr. 23	22.30	Aug. 1	25.52	Oct. 31	26.16
Feb. 9	22.37	May 27	22.77	31	24.76	Dec. 5	25.26
Apr. 2	23.15	June 27	24.53	Sept. 3	24.59	30	26.26

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: 1933-53.

Jan. 10	18.99	Apr. 23	18.32	Aug. 1	13.32	Oct. 31	17.38
Feb. 9	18.09	May 27	16.15	31	14.67	Dec. 5	18.46
Apr. 12	18.85	June 27	15.09	Sept. 3	15.14	30	19.91

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, Mar. 7, 1952, Jan. 10, Apr. 2, Dec. 5, 30, 1953. Records available: 1933-53.

Jan. 10	(f)	Apr. 23	36.63	Aug. 1	15.84	Dec. 5	(f)
Feb. 9	37.24	May 27	22.96	31	17.74	30	(f)
Apr. 2	(f)	June 27	17.39	Sept. 3	19.20		

f Dry.

6N/34-13R1. M. O. Beauchamp. Dug domestic water-table well in alluvium, diameter 18 inches, depth 11 feet, cribbed with concrete tile. Land-surface datum is 646.87 feet above msl. Highest water level 3.47 below lsd, Aug. 8, 1933; lowest 9.88 below lsd, Sept. 26, 1952. Records available: 1933-53. Measurement discontinued.

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: 1933-53.

Jan. 10	8.90	Apr. 23	10.16	Aug. 1	8.25	Dec. 5	9.35
Feb. 9	9.45	May 29	8.51	Sept. 3	9.25	30	9.30
Apr. 2	9.16	June 27	8.62	Oct. 31	8.94		

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 11.60 below lsd, Aug. 21, 1950. Records available: 1933-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	4.89	Apr. 23	a22.40	Aug. 1	a20.34	Oct. 31	7.96
Feb. 9	6.20	May 27	5.54	31	a21.24	Dec. 5	4.67
Apr. 2	6.99	June 27	7.47	Sept. 3	11.17	30	4.52

a Pumping.

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 22.18 below lsd, Aug. 7, 1951; lowest dry, Aug. 31, Sept. 3, 1953. Records available: 1933-53.

Jan. 10	34.60	Apr. 23	35.25	Aug. 1	35.89	Oct. 31	35.97
Feb. 10	33.70	May 27	32.14	31	(f)	Dec. 5	31.40
Apr. 2	35.74	June 27	32.78	Sept. 3	(f)	30	31.94

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: 1933-53.

Jan. 10	11.39	Apr. 23	10.04	Aug. 1	13.76	Dec. 5	10.65
Feb. 9	9.74	May 27	9.97	Sept. 3	13.93	30	10.50
Apr. 2	10.11	June 27	14.84	Oct. 31	12.20		

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: 1933-53.

Jan. 10	18.81	Apr. 23	23.00	Aug. 1	15.29	Oct. 31	18.47
Feb. 9	21.09	May 28	15.57	31	13.91	Dec. 5	22.94
Apr. 2	22.27	June 27	14.84	Sept. 3	15.19	30	23.86

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: 1933-53.

Jan. 10	12.99	Apr. 23	12.85	Aug. 1	9.4	Dec. 5	11.05
Feb. 9	13.39	May 27	10.64	Sept. 3	10.5	30	12.73
Apr. 2	14.00	June 27	9.74	Oct. 31	10.13		

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: 1933–53.

Jan. 10	22.49	Apr. 23	21.35	Aug. 1	22.85	Dec. 5	17.16
Feb. 9	23.87	May 27	15.14	Sept. 3	18.94	30	20.55
Apr. 2	23.35	June 27	9.83	Oct. 31	9.82		

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: 1933-53.

Jan. 10	22.58	Apr. 23	33.73	Aug. 1	24.84	Oct. 31	25.91
Feb. 9	25.89	May 27	20.14	31	26.76	Dec. 5	21.31
Apr. 2	36.19	June 27	16.35	Sept. 3	27.08	30	18.55

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: 1933-53.

Jan. 10	50.24	Apr. 23	46.40	Aug. 1	39.10	Oct. 31	40.65
Feb. 9	51.23	May 27	29.86	31	35.00	Dec. 5	47.86
Apr. 2	49.60	June 27	24.24	Sept. 3	35.00	30	50.76

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: 1933-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	31.69	Apr. 23	20.39	Aug. 1	32.62	Oct. 31	31.74
Feb. 9	19.15	May 27	19.97	31	31.34	Dec. 5	29.40
Apr. 2	20.81	June 27	23.95	Sept. 3	33.63	30	27.46

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: 1933-53.

Jan. 2	32.84	Apr. 16	24.96	June 27	19.53	Oct. 4	24.36
5	33.15	20	25.28	29	19.03	8	24.69
7	33.25	22	25.01	July 1	17.90	12	23.84
9	33.36	23	24.62	5	17.08	17	24.32
10	33.21	26	23.21	9	18.04	21	25.87
11	33.04	28	22.07	13	18.14	29	27.79
13	32.64	May 2	21.26	19	18.92	31	28.23
15	32.31	5	21.33	28	19.82	Nov. 4	29.13
17	32.97	8	21.05	Aug. 1	20.56	9	30.04
20	33.62	12	20.40	3	20.94	15	30.89
23	33.10	16	18.33	8	21.24	23	30.12
25	32.66	19	16.08	12	22.26	26	30.16
28	29.25	25	16.27	19	24.91	28	30.28
Feb. 1	26.78	27	17.47	29	25.19	Dec. 2	29.88
5	25.75	28	18.47	31	23.90	5	29.59
9	24.5	June 4	21.14	Sept. 3	24.45	9	29.81
10	24.24	7	20.92	5	23.94	13	30.10
17	24.06	11	19.67	8	24.98	18	29.96
22	24.92	13	19.94	16	27.11	22	29.42
26	25.57	18	20.01	22	26.50	26	28.57
Apr. 2	25.47	21	19.81	25	25.55	28	28.53
8	24.69	26	19.61	28	24.73	30	28.76
14	24.86						

Union County

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 above lsd, Dec. 30, 1951; lowest 53 above lsd, Aug. 13, 1951. Records available: 1950-53. Mar. 26, +104; Aug. 5, +102; Oct. 13, +100.

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: 1940-53. Mar. 26, 14.05; Aug. 5, 12.49; Oct. 13, 13.18.

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 to 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, 1938-53. Mar. 26, 5.13; Aug. 5, 6.64; Oct. 13, 6.60.

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 to 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, 1938-53. Mar. 26, 7.14; Aug. 5, 7.98; Oct. 13, 9.02.

Wasco County

1N/13-32G1. Milton Martin. Drilled irrigation artesian water-table well in basalt, diameter 8 inches, depth 338 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 24.5 above lsd, Aug. 18, 1951. Records available: 1946-53. Apr. 1, +186.5; Oct. 12, +126.5.

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 57.8 above lsd, Mar. 16, 1951; lowest 29.7 above lsd, May 5, 1947. Records available: 1947-51, 1953. Oct. 12, +44.8.

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, 1948; lowest 255 below lsd, Oct. 12, 1953. Records available: 1947-53. Apr. 1, 244; Oct. 12, 255.

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 104.93 below lsd, Mar. 16, 1951; lowest 151.54 below lsd, Aug. 6, 1953. Records available: 1947-53. Apr. 1, 111.80; Aug. 6, 151.54; Oct. 12, 118.30.

Washington County

1/1W-21R1. Elinore Shively. Drilled domestic and stock artesian 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: 1948-53. June 2, 129.23; Dec. 3, 116.30.

Yamhill County

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, 1938-53. June 3, 14.07; Oct. 7, 26.73.

UTAH

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

Scope of Water-Level Program

The observation-well program in Utah, begun in 1935, was continued during 1953 in cooperation with the State Engineer. Investigations were continued and expanded in the principal irrigation districts of southern Utah, namely, the Beryl-Enterprise and Milford districts of Escalante Valley, Cedar City Valley, Pavant Valley, Sevier Desert, and Beaver Valley. A detailed ground-water study of the East Shore area in connection with the Weber Basin project was begun in March 1953 in cooperation with the Bureau of Reclamation. The field investigation of the geology and ground-water occurrence of Ogden Valley was essentially completed during the year as a part of a cooperative program with the Utah Water and Power Board. The geologic and geophysical phases of a comprehensive ground-water study of the eastern part of the Dugway Proving Ground in Tooele County were completed, and plans were formulated for the test-drilling program to follow. As part of a "consumptive-use" study being conducted in the Milford-Minersville district, Beaver County, the contract drilling of 16 new observation wells was completed in December, comprising a combined total footage drilled of 2,195 feet. A preliminary investigation of the ground-water occurrence in southeastern Utah was begun, including the measuring of several "bedrock" wells which have some of the highest artesian pressure heads thus far reported in the State. During 1953 a total of 2,696 measurements were made in 874 selected observation wells scattered through 42 ground-water areas of the State. In addition, recording gages were maintained in 39 wells. The records of 277 of these observation wells, including 27 recording gages, are given in this report. The records for the other observation 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. In addition, some records of water-level measurements are included in special project reports that are published separately.

A report entitled "Geology of the recharge area, Weber County, Utah," by J. H. Feth, was prepared in cooperation with the Bureau of Reclamation, and is in open file in the district office of the Survey, 503 Federal Building, Salt Lake City. Two ground-water papers, entitled "Geologic interpretations based on recent test drilling in Ogden Valley, Utah," and "Ground water developed from bedrock aquifers in Utah," by B. E. Lofgren, were presented at the annual meetings of the Utah Academy of Science, Arts, and Letters and are being printed in abstract form in the Proceedings of the Academy. A tabular report of discharge measurements of flowing artesian wells in the East Shore area was prepared, and is in open file in the district office of the Survey. A report entitled "Lake Bonneville: Geology of northern Utah Valley, Utah," by C. B. Hunt, H. E. Thomas, and H. D. Varnes, U. S. Geological Survey Professional Paper 257-A, includes a section on ground water.

Precipitation

In general, the weather in Utah during 1953 was relatively warm and dry. A few unusual storms and an extended cold period in May interrupted the predominantly fair weather. Below-normal precipitation during the year was detrimental to rangelands and dry farms, but most irrigated crops were adequately supplied from surface reservoirs and from wells. The winter, ending in February 1953, was one of the mildest and driest of record and resulted in below-normal spring runoff. The mild, dry winter and cold spring were followed by the warmest summer in 13 years. Autumn, also, was unusually warm and one of the driest since 1891. Numerous summer showers and thunderstorms augmented the total precipitation considerably. According to records of the U. S. Weather Bureau, the State average of 10.79 inches for the year was 2.39 inches below normal for the period of record. The warm, dry weather during the irrigation season, especially in the southern part of the State, was responsible for heavy pumping in many of the principal ground-water districts, and resulted in a general decline in ground-water levels.

Pumpage

Of the more than 31,000 operating wells in Utah, approximately one-half are flowing artesian wells and the other half are pumped for irrigation, municipal, or domestic use. It is estimated that at least 80 percent of the total pumpage from these wells is concentrated in 4 principal irrigation districts in southern Utah, namely: Milford, Beryl-Enterprise, Cedar City, and Parowan districts. More than 116,000 acre-feet of water was pumped from the 414 operating irrigation wells in these 4 districts, and pumping lifts ranged from about 50 to 150 feet. The number of wells and pumpage in acre-feet for the pumping districts are shown in the following table:

Estimated pumpage from wells for irrigation in four pumping districts

Irrigation district	Number of pumped irrigation wells	1953 pumpage (acre-feet)
Milford	134	41,200
Beryl-Enterprise	161	47,500
Cedar City	66	16,100
Parowan	53	11,200
Totals	414	116,000

The progressive increase in the use of ground water for irrigation in the Milford and Beryl-Enterprise districts during the past 10 years is shown in figure 21.

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 extended drought that has prevailed and to the accelerated use of ground water for irrigation. In the northern part of the State, water levels fluctuate considerably from year to year, but in most observation wells the water levels have not declined 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 levels 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 each of the hydrographs selected to represent conditions in northern Utah, water levels remained relatively constant or rose slightly during the period of record. Although there has been some increase in ground-water use in recent years, recharge from precipitation has been sufficient to more than offset this use. The water level in well (A-2-1)19dbc-1 in the city of Bountiful declined since 1951 largely as a result of the pumping of several new wells in the immediate vicinity. The hydrographs of 3 wells in this group, (B-5-2)4cdd-1, (A-2-1)19dbc-1, and (D-2-1)4dbd-4, show alternately the effects of deficient precipitation during the year of 1951 and the abnormally high spring runoff of 1952. Wells (A-12-1)29bdd-1 and (C-2-4)33add-1, in Cache Valley and Tooele Valley, respectively, are situated in the middle of large ground-water basins, far removed from the direct effects of recharging mountain streams. The water levels in these two wells rose steadily until 1948 and declined slightly during the period from 1948 to 1953, inclusive. The water level in the Willard well (B-8-2)23cdb-1, reached an alltime high in December 1945 and declined very slightly from January 1946 through 1953. At the end of 1953, however, the water level in this well was still more than 7 feet higher than it was at the beginning of record in January 1936.

In four of the five wells whose hydrographs are shown in figures 24 and 25, the water levels at the end of 1953 were higher than they were at the beginning of their respective records. The water level in well (C-29-10)6ddc-1, however, situated in the middle of the Milford pumping district, declined continuously from 1941 through 1953, and a net decline amounting to about 4 feet is indicated for the entire period of record from 1932 through 1953. The water levels in 3 wells in this group, namely (D-5-1)14adb-1 in American Fork; (C-21-5)21aba-1, near Flowell; and (D-16-3)32ddc-2 near Ephraim show the effects of spring runoff of nearby mountain streams, especially 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 17 years, and the net rise during this period amounted to about 15 feet. All four of these wells record the changes of water level in a relatively small, steeply inclined ground-water basin. On the other hand, well (C-29-10)6ddc-1, near Milford, is in the midst 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. (See figs. 24 and 25.)

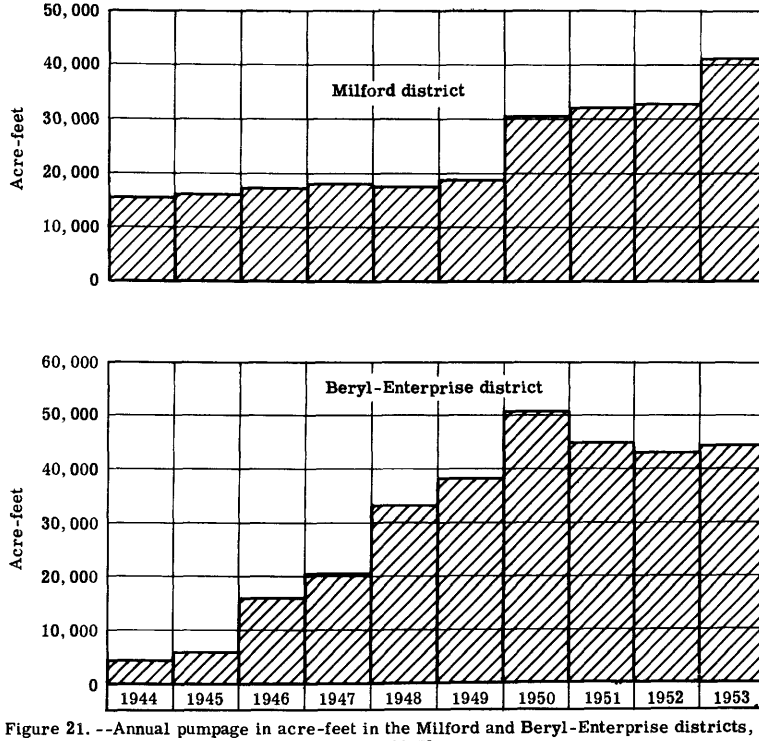


Figure 21. --Annual pumpage in acre-feet in the Milford and Beryl-Enterprise districts, Utah, 1944-53.

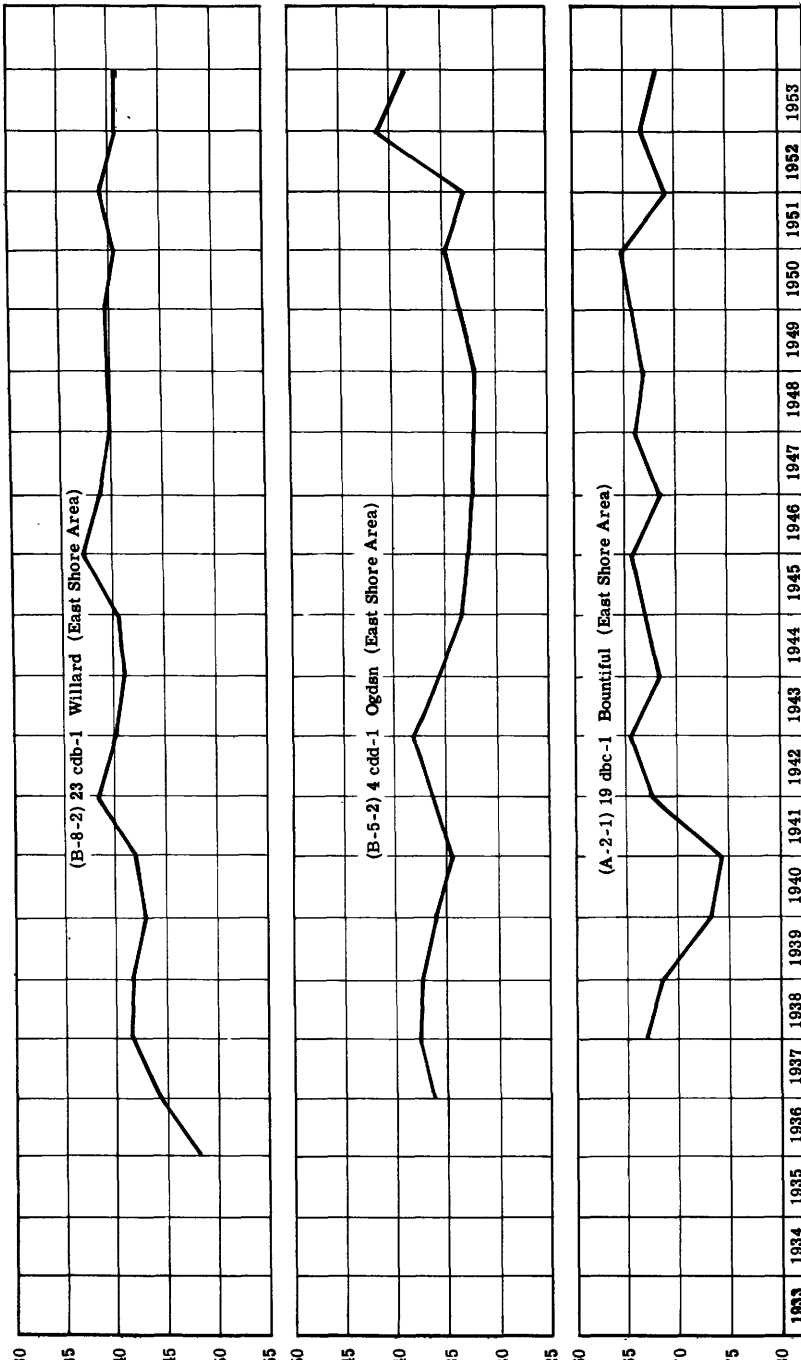


Figure 22.--Water levels in wells (B-8-2)23cdb-1, (B-5-2)4cdd-1, and (A-2-1)19dbc-1 in northern Utah.

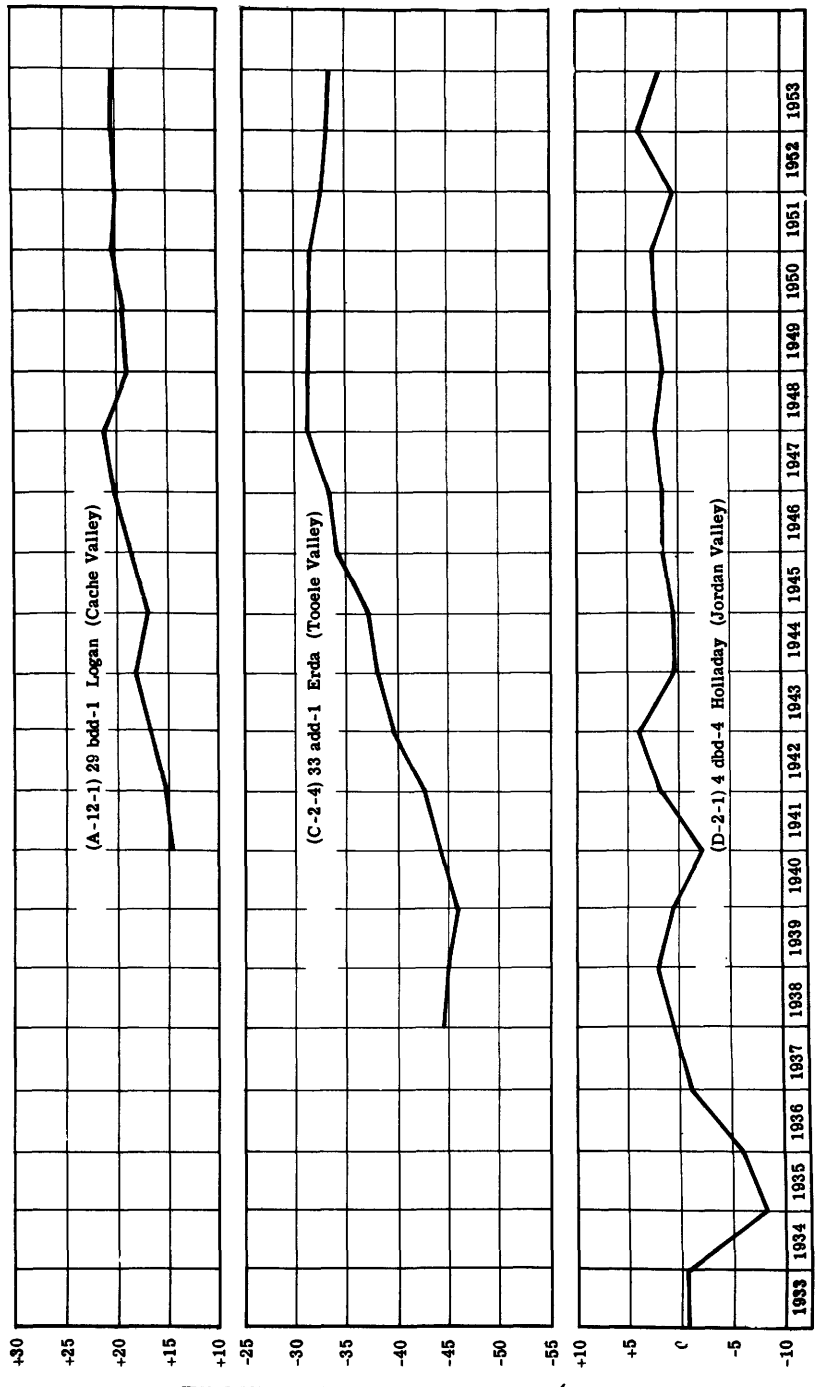


Figure 23.--Water levels in wells (A-12-1)29bdd-1, (C-2-4)33add-1, and (D-2-1)4dbd-4 in northern Utah.

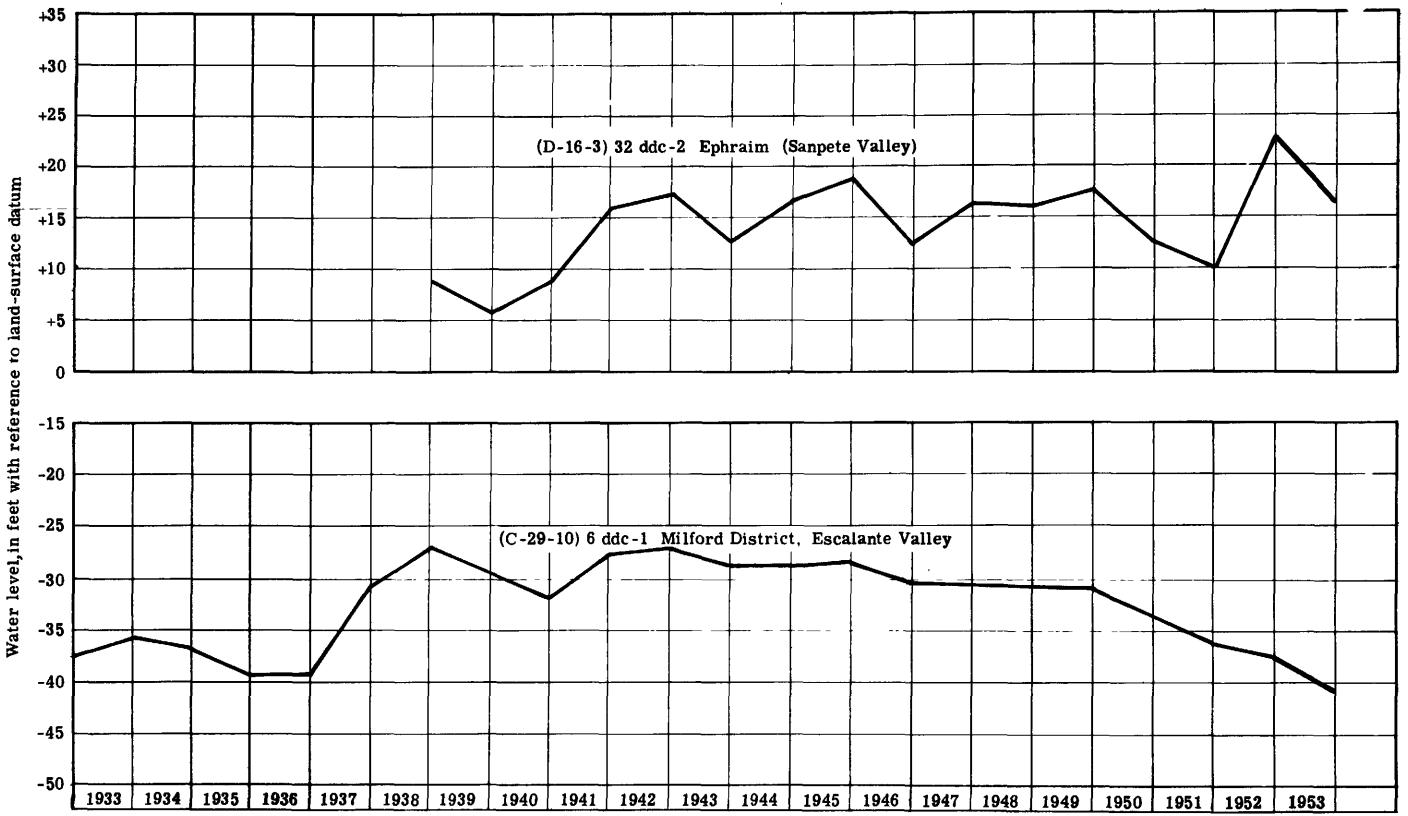


Figure 24. --Water levels in wells (D-16-3)32ddc-2 and (C-29-10)6ddc-1 in northern Utah.

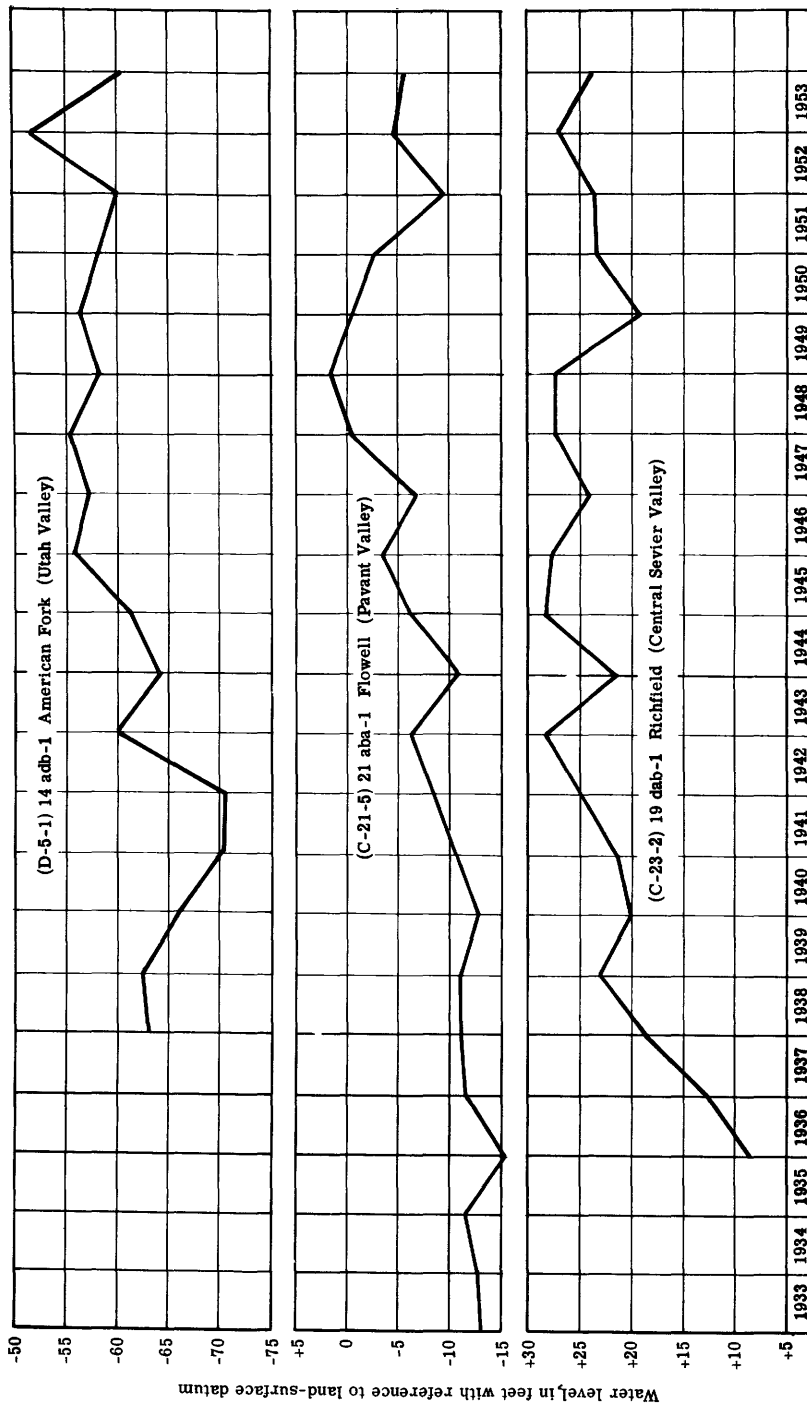


Figure 25.--Water levels in wells (D-5-1)14adb-1, (C-21-5) 21 aba-1, and (C-23-2) 19 dab-1 in central Utah.

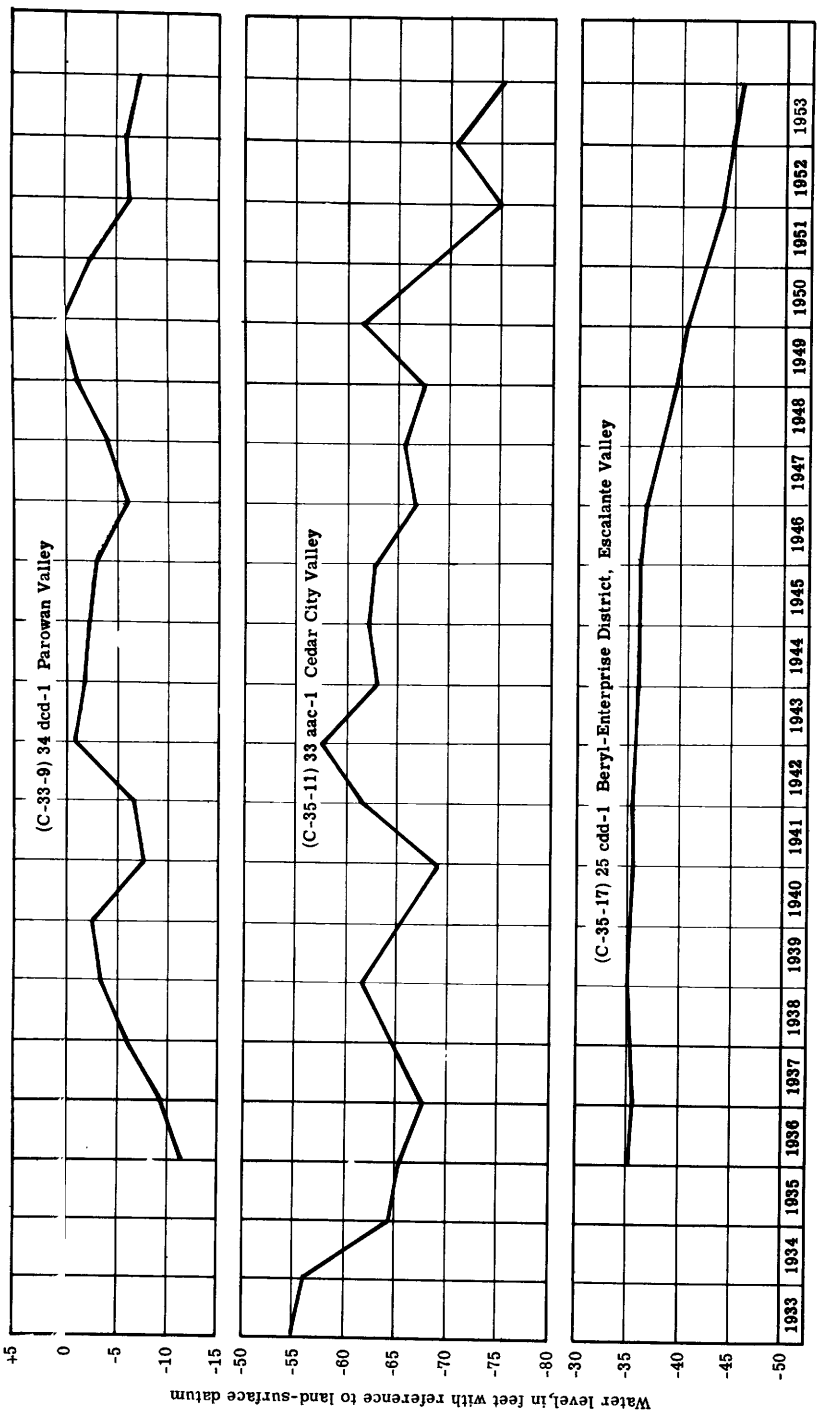


Figure 26.--Water levels in wells (C-33-9)34dcd-1, (C-35-11)33aac-1, and (C-35-17)25cdd-1 in central Utah.

The water levels in well (C-35-11)33aac-1 in Cedar City Valley and in well (C-35-17)25cdd-1 in the Beryl-Enterprise district (figure 26) declined during their respective periods of records. The net decline in well (C-35-11)33aac-1 amounted to about 21 feet from January 1933 to December 1953, and the net decline in well (C-35-17)25cdd-1 amounted to about 11 feet from January 1936 to December 1953. The water levels in other wells in both valleys are reported to be at record-low stages because of intense drought conditions, especially in the southwest part of the State. The hydrograph of well (C-35-11)33aac-1 can be correlated with the runoff from Coal Creek. This stream is one of the principal sources of ground-water recharge to this valley, and it is believed that a few years of normal precipitation in this area could result in the underground reservoir being refilled to near-capacity levels. 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, situated 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 irrigation. Parowan Valley, as suggested by the hydrograph of well (C-33-9)34dcd-1, has not suffered from the deficiency of precipitation of recent years as have many of the other valleys. Although many new wells have been drilled recently in this district, recharge from streams entering the valley replenishes the underground reservoir every few years, and a large tract of waterlogged waste land is created in the valley trough. As the irrigation season progresses, the water levels in wells situated within the district are affected more and more by pumping. However, the ground-water levels are now higher than in the earlier years of record.

Acknowledgments

Water-level records from several observation wells in Salt Lake Valley were furnished through informal cooperation with the Salt Lake City Corporation. Records of 151 observation wells, including 11 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 system 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, and includes one of these letters, the number of the township, and the number of the range. Thus, in the number of well (C-26-10)32cad-1 in Beaver County, the portion within parentheses indicates that the well is in T. 26 S., R. 10 W. The number following 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-26-10)32cad-1 represents well number 1 in the $SE\frac{1}{4}NE\frac{1}{4}SW\frac{1}{4}$ sec. 32, T. 26 S., R. 10 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 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 preceding 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: 1935-53. Mar. 11, 20.25; Dec. 4, 24.49.

(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 25.84 below lsd, Feb. 4, 1936. Records available: 1935-53. Mar. 11, 25.07; Apr. 10, 20.90; May 13, 13.80; Dec. 8, 25.51.

(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. 16, 1951. Records available: 1950-53. Mar. 11, 16.03; Dec. 8, 19.70.

(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: 1936-53. Mar. 11, +11.6; Dec. 8, +11.0.

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. Mar. 21, 11.84; Dec. 10, 14.64.

(C-28-10)8cdd-1. J. R. Murdock. Drilled 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 5.56 below lsd, Oct. 13, 1953. Records available: 1940-53. May 16, 2.22; May 13, 2.07; Aug. 20, 4.60; Sept. 11, 4.92; Oct. 13, 5.56; Dec. 9, 3.85.

(C-26-10)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 14.32 below lsd, Oct. 14, 1953. Records available: 1950-53. Mar. 16, 10.52; May 11, 10.87; June 18, 11.71; Aug. 20, 13.38; Sept. 11, 13.51; Oct. 14, 14.32; Dec. 9, 12.84.

(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 14.58 below lsd, July 15, 1952. Records available: 1936-53. Mar. 17, 7.03; May 6, 25.70, pumping; June 16, 25.70, pumping; July 13, 28.00, pumping; July 15, 14.58; Oct. 8, 13.00; Dec. 9, 10.57.

(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 42.64 below lsd, Aug. 28, 1953. Records available: 1950-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	.....	35.18	.....	42.18	.....	18.65	17.18
2	12.60	.....	.....	.....	.....	.....	.....	.....	42.19	.....	18.61	17.16
3	12.60	.....	.....	.....	19.44	.....	36.30	.....	.....	.....	18.55	17.13
4	12.59	.....	.....	.....	19.48	.....	37.15	.....	.....	.....	18.48	17.11
5	12.53	.....	.....	.....	19.28	31.72	37.68	.....	.....	.....	18.37	17.02
6	12.49	.....	.....	.....	19.29	32.35	37.94	.....	41.39	.....	18.32	.....
7	12.49	.....	.....	12.28	19.37	32.20	38.22	.....	40.15	.....	18.30	.....
8	12.51	.....	.....	13.47	19.59	31.90	38.52	.....	40.03	24.39	18.24	.....
9	.....	.....	.....	.....	19.84	.....	39.26	.....	40.01	23.92	18.20	16.97
10	.....	.....	11.52	.....	19.23	.....	.....	.....	40.06	23.38	18.13	16.93
11	.....	.....	11.83	.....	19.50	.....	.....	.....	40.75	22.82	18.08	.....
12	.....	.....	11.83	.....	.....	.....	.....	.....	41.09	22.46	18.01	.....
13	.....	.....	11.83	.....	22.75	.....	38.92	.....	40.82	22.10	17.96	.....
14	.....	.....	11.83	.....	23.65	33.45	38.83	.....	40.80	21.84	17.93	16.89
15	.....	.....	11.83	.....	24.31	.....	39.18	.....	41.31	21.63	17.91	16.85
16	.....	.....	11.82	15.41	24.73	34.70	38.67	.....	41.54	21.46	17.86	16.83
17	.....	.....	11.77	15.52	24.26	35.05	37.78	.....	41.56	21.18	.....	.....
18	.....	.....	11.77	15.72	24.12	35.36	37.90	.....	.....	20.87	.....	.....
19	.....	.....	11.73	15.88	24.46	35.95	37.80	39.88	.....	20.61	17.58	.....
20	.....	.....	11.69	16.05	25.37	35.29	37.42	40.33	.....	20.45	17.51	.....
21	.....	.....	11.69	16.30	25.26	35.60	37.80	40.68	39.09	20.20	.....	16.61
22	.....	.....	11.70	16.50	25.44	34.99	38.34	40.52	39.48	19.98	.....	16.61
23	.....	.....	11.70	16.71	25.00	35.07	.....	41.03	39.40	19.78	.....	16.61
24	.....	.....	11.69	17.04	25.07	.....	39.80	41.55	39.43	19.61	.....	16.58
25	.....	.....	.....	17.76	25.08	35.70	40.39	41.89	39.47	19.45	.....	16.56
26	.....	.....	.....	17.85	25.35	35.65	40.20	42.03	39.22	19.32	.....	16.52
27	.....	.....	.....	18.86	25.70	35.21	38.96	42.48	38.11	19.20	.....	16.45
28	.....	.....	.....	19.68	26.35	35.50	40.27	42.64	.....	19.06	.....	16.44
29	.....		.....	19.42	.....	34.00	40.61	42.21	.....	18.93	17.30	16.44
30	.....		.....	19.75	.....	34.34	40.92	41.99	.....	18.85	17.27	16.43
31	.....		.....		.....		.....	42.04		18.75		16.42

(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 36.00 below lsd, Sept. 11, 1953. Records available: 1938-42, 1950-53. Recording gage removed June 13, 1953.

Daily noon water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	23.87	Mar. 11	22.60	May 13	25.10	June 1	27.00
2	23.86	12	22.59	14	25.21	2	27.18
3	23.85	13	22.59	15	25.61	5	28.11
4	23.82	14	22.62	16	25.88	6	28.30
5	23.83	15	22.61	20	26.73	7	28.40
6	23.76	16	22.59	22	26.83	8	28.65
7	23.75	17	22.57	23	26.91	9	29.16
8	23.77	Apr. 1	22.71	24	27.08	10	28.77
17	23.64	16	22.99	25	27.20	11	29.10
18	23.62	May 2	24.57	26	27.44	12	29.02
19	23.61	6	24.80	27	27.63	13	28.69
20	23.58	9	24.86	28	27.65	July 20	h34.27
21	23.59	10	24.85	29	27.55	Sept. 11	h36.00
22	23.58	11	24.89	30	27.11	Oct. 8	h32.97
23	23.56	12	24.93	31	27.04	Dec. 9	h28.75
Mar. 10	22.62						

h Tape measurement.

(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 38.86 below lsd, Dec. 9, 1953. Records available: 1941-53. Mar. 18, 33.44; Dec. 9, 33.86.

(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 11.30 below lsd, Oct. 23, 1953. Records available: 1938-45; 1950-53. Mar. 17, 7.47; July 14, 21.30, pumping; Aug. 27, 22.00, pumping; Oct. 23, 11.30; Dec. 9, 9.25.

(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 25.74 below lsd, Oct. 8, 1953. Records available: 1938-53.

Jan. 31	14.23	Apr. 1	13.15	July 15	a32.50	Dec. 1	20.02
Mar. 10	13.47	May 1	14.70	Oct. 8	25.74	8	19.67
18	12.98	June 9	a30.50				

a Pumping.

(C-29-10)6ddc-1. State claim 13116. Wilford Thompson. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 73 feet, cased to 73. Land-surface datum is 5,033.0 feet above msl. Highest water level 25.72 below lsd, Nov. 11, 1938; lowest 40.99 below lsd, July 31, 1936. Records available: 1932-53. May 17, 34.90; May 8, 36.92. Measurement discontinued.

(C-29-10)6ddc-2. 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. Records available: 1953. Mar. 16, 34.10; June 12, 50.50, pumping; July 18, 51.00, pumping; Sept. 11, 45.37; Oct. 9, 44.58; Dec. 9, 40.53.

(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 32.85 below lsd, Oct. 14, 1953. Records available: 1935-53. Mar. 18, 24.02; May 7, 40.40, pumping; Oct. 14, 32.85; Dec. 8, 29.50.

(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 35.60 below lsd, Dec. 7, 1951. Records available: 1941-46, 1948-53. Mar. 18, 34.84; Dec. 9, 35.32.

(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 22.79 below lsd, Oct. 13, 1953. Records available: 1937-53. Mar. 17, 20.26; May 11, 36.80, pumping; June 11, 36.90, pumping; July 18, 38.20, pumping; Sept. 2, 39.20, pumping; Oct. 13, 22.79; Dec. 9, 22.35.

(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 45.54 below lsd, Oct. 9, 1953. Records available: 1947-53. Mar. 17, 39.26; June 12, 68.00, pumping; July 23, 67.60, pumping; Sept. 2, 67.50, pumping; Oct. 9, 45.54; Dec. 8, 43.80.

(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 30.62 below lsd, Oct. 13, 1953. Records available: 1935-53. Mar. 17, 26.85; June 15, 29.28; Aug. 21, 29.67; Oct. 13, 30.62; Dec. 9, 28.20.

(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: 1935-53. Mar. 17, 26.24; July 15, 26.48; Nov. 11, 26.80.

(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. Oct. 28, 45.78.

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: 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	31.00	Apr. 22	34.30	July 28	34.28	Oct. 26	31.81
Feb. 24	32.41	May 25	33.26	Aug. 25	33.33	Dec. 8	33.53
Mar. 24	33.36	June 24	34.70	Sept. 29	31.82		

(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 27.18 below lsd, June 14, 1946; lowest 50.44 below lsd, Oct. 29, 1935. Records available: 1935-51.

Jan. 21	40.78	Apr. 22	41.08	July 27	32.34	Oct. 26	38.81
Feb. 24	40.86	May 25	38.41	Aug. 25	35.53	Dec. 8	40.64
Mar. 24	41.43	June 24	28.39	Sept. 28	37.95		

(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, 1951-53.

Jan. 21	+30.0	Apr. 22	+30.0	July 27	+29.7	Oct. 26	+32.2
Feb. 24	+30.6	May 25	+31.4	Aug. 25	+32.8	Dec. 8	+30.7
Mar. 24	+29.6	June 24	+37.5	Sept. 28	+32.4		

(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, concrete-lined 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: 1935-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.13	40.99	41.40	41.99	42.26	42.25	38.20	32.84	30.42	31.07	35.04	e34.00
2	40.17	41.01	41.40	42.00	42.27	42.22	37.96	32.70	30.37	31.21	35.14	e33.94
3	40.21	41.03	41.41	42.03	42.29	42.19	37.62	32.72	30.33	31.38	35.24	e33.88
4	40.24	41.04	41.44	42.04	42.30	42.13	37.43	32.68	30.30	31.41	35.35	e33.82
5	40.27	41.06	41.45	42.04	42.32	42.06	37.33	32.40	30.26	31.50	35.43	e33.76

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	40.31	41.07	41.46	42.06	42.33	42.01	37.25	32.23	30.23	31.51	35.51	e33.72
7	40.35	41.09	41.48	42.07	42.36	41.98	37.17	32.05	30.18	31.63	35.62	e33.67
8	40.37	41.11	41.50	42.07	42.36	41.93	37.02	31.78	30.15	31.78	35.76	e33.62
9	40.42	41.13	41.51	42.08	42.35	41.90	36.78	31.71	30.10	31.93	35.70	e33.89
10	40.45	41.14	41.53	42.10	42.35	41.87	36.58	31.58	30.04	32.04	35.62	e34.16
11	40.48	41.16	41.54	42.12	42.37	41.85	36.26	31.50	30.00	32.24	35.52	e34.43
12	40.52	41.17	41.55	42.13	42.37	41.73	36.05	31.32	29.96	32.44	35.42	e34.70
13	40.54	41.18	41.56	42.14	42.32	41.56	35.87	31.22	29.92	32.51	35.32	e34.97
14	40.57	41.20	41.57	42.14	42.27	41.45	35.78	31.14	29.86	32.76	35.23	e35.24
15	40.62	41.22	41.59	42.15	42.24	41.34	35.62	30.97	29.82	32.95	35.14	e35.51
16	40.65	41.23	41.62	42.15	42.22	41.17	35.43	30.89	29.77	33.13	35.05	e35.78
17	40.68	41.24	41.64	42.16	42.22	41.01	35.32	30.92	29.73	33.25	34.95	e36.05
18	40.71	41.26	41.65	42.17	42.22	40.84	35.12	30.78	29.88	33.26	34.88	e36.32
19	40.74	41.27	41.66	42.17	42.23	40.55	34.96	30.76	30.06	33.35	34.78	e36.59
20	40.75	41.29	41.67	42.18	42.23	40.41	34.80	30.75	30.25	33.46	34.75	e36.86
21	40.82	41.30	41.68	42.19	42.23	40.34	34.69	30.74	30.50	33.58	e34.68	e37.13
22	40.83	41.31	41.74	42.19	42.23	40.13	34.52	30.72	30.73	33.71	e34.61	e37.40
23	40.85	41.33	41.79	42.19	42.24	39.97	34.31	30.71	30.97	33.82	e34.54	e37.67
24	40.87	41.34	41.84	42.20	42.24	39.85	33.98	30.71	31.08	33.95	e34.48	e37.94
25	40.88	41.35	41.85	42.21	42.24	39.67	33.90	30.68	31.05	34.08	e34.42	e38.21
26	40.90	41.36	41.86	42.22	42.24	39.45	33.84	30.64	31.20	34.23	e34.36	e38.48
27	40.92	41.38	41.87	42.23	42.24	39.35	33.79	30.60	31.19	34.49	e34.30	e38.75
28	40.93	.....	41.88	42.23	42.24	39.15	33.75	30.56	31.00	34.60	e34.24	e39.02
29	40.94		41.90	42.25	42.24	38.57	33.55	30.52	31.16	34.70	e34.18	e39.29
30	40.96		41.90	42.25	42.24	38.35	33.34	30.48	31.34	34.82	e34.11	e39.56
31	40.97		41.98		42.24		33.13	30.44		34.93		e39.83

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: 1936-53. Mar. 31, 115.08; Nov. 5, 113.09.

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: 1935-53. Mar. 31, 60.42; Nov. 5, 64.07.

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, 1938-53. Nov. 5, 8.98.

(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: 1936-53. Nov. 5, 42.76.

(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, 1944-53. Nov. 5, 97.19.

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 118.27 below lsd, Nov. 5, 1953; lowest 120.66 below lsd, Oct. 23, 1944. Records available: 1939-53. Nov. 5, 118.27.

(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, 1939-53.

(B-11-18)23bb--Continued.

Daily noon water level from recorder graph*

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
1	17.73	18.05	17.36	16.73	16.78	17.52	18.25	18.63
2	17.78	18.03	17.38	16.72	16.81	17.55	18.26	18.64
3	17.83	18.02	17.39	16.70	16.85	17.58	18.28	.....
4	17.87	18.01	17.34	16.67	16.88	17.62	18.30	.....
5	17.90	18.00	17.28	16.64	16.91	17.64	18.32	.....
6	17.93	18.00	17.24	16.63	16.94	17.68	18.33	.....
7	17.96	17.98	17.23	16.63	16.96	17.71	18.34	.....
8	17.99	17.92	17.23	16.62	16.98	17.73	18.35	.....
9	18.01	17.87	17.24	16.60	17.01	17.76	18.36	.....
10	18.03	17.84	17.25	16.59	17.03	17.79	18.38	.....
11	18.05	17.82	17.27	16.56	17.06	17.82	18.39	.....
12	18.06	17.78	17.28	16.47	17.06	17.85	18.40	.....
13	18.08	17.77	17.29	16.35	17.09	17.87	18.41	.....
14	18.09	17.77	17.27	16.31	17.11	17.90	18.42	.....
15	18.12	17.78	17.27	16.22	17.10	17.92	18.43	.....
16	18.12	17.79	17.27	16.10	17.11	17.95	18.45	.....
17	18.13	17.78	17.22	16.13	17.12	17.97	18.46	.....
18	18.14	17.54	17.19	16.21	17.12	17.99	18.47	.....
19	18.09	17.37	17.18	16.24	17.11	18.02	18.47	.....
20	18.05	17.22	17.15	16.30	17.11	18.05	18.50	.....
21	18.04	17.17	17.15	16.35	17.16	18.06	18.51	.....
22	18.02	17.16	17.14	16.40	17.20	18.08	18.52	.....
23	18.01	17.17	17.02	16.45	17.24	18.10	18.53	.....
24	18.02	17.19	16.85	16.50	17.28	18.12	18.55	.....
25	18.03	17.22	16.84	16.54	17.31	18.14	18.55	.....
26	18.02	17.24	16.82	16.58	17.34	18.16	18.56	.....
27	18.03	17.27	16.82	16.62	17.37	18.18	18.57	.....
28	18.03	17.29	16.81	16.66	17.40	18.20	18.59	.....
29	18.04	17.32	16.79	16.69	17.43	18.22	18.60	.....
30	18.05	17.34	16.75	16.72	17.46	18.23	18.61	.....
31		17.34		16.75	17.49		18.62	

* No record for January, February, March, and December.

(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 30.42 below lsd, Oct. 23, 1948. Records available: 1948-53. Mar. 31, 23.40; Nov. 5, 25.06.

Park Valley

(B-12-14)2aa. Albert Hirschie. Dug unused water-table well in alluvium, diameter 4 feet, depth 16 feet, rock lined. Highest water level 7.18 below lsd, Nov. 1, 1951; lowest 11.75 below lsd, Sept. 29, 1939. Records available: 1936, 1938-53. Nov. 5, 9.71.

(B-13-14)25cb. J. Henry Kunzler. Dug domestic water-table well in alluvium, diameter 4 feet, depth 28 feet, rock lined. Highest water level 9.30 below lsd, Aug. 6, 1942; lowest 16.26 below lsd, Oct. 9, 1940. Records available: 1936, 1938-53. Mar. 31, 16.15; Nov. 5, 14.60.

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 24.15 below lsd, Oct. 22, 1948. Records available: 1948-53. Nov. 5, 22.30.

(B-14-15)3ddd-1. State claim 19482. Morris A. Smith. Dug domestic water-table well in alluvium, diameter 4 feet, depth 56 feet, rock lined. Highest water level 28.80 below lsd, May 28, 1952; lowest 51.70 below lsd, Oct. 9, 1940. Records available: 1935-36, 1938-53. Nov. 5, 49.89.

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: 1936-53. Mar. 30, 10.53.

(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: 1936-53. Mar. 30, +1.4.

(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: 1940-53.

Daily noon water level above lsd from recorder graph*

Day	Jan.	Feb.	Mar.	May	June	July	Aug.	Nov.
1	19.7	19.1	18.9	....	17.5	....	18.9	....
2	19.7	19.2	18.9	....	17.5	....	18.9	....
3	19.6	19.2	18.7	....	17.5	....	18.9	....
4	19.6	19.0	18.7	....	17.7	17.8	19.0	19.3
5	19.7	....	18.8	....	17.6	17.9	19.1	....
6	19.7	....	18.8	....	17.5	17.9	19.2	....
7	19.5	....	18.7	....	17.5	18.0	19.0	....
8	19.6	19.1	18.8	....	17.5	17.9	....	....
9	19.6	19.1	18.9	....	17.5	17.9	....	....
10	19.5	19.0	18.8	....	17.7	17.9	....	....
11	19.5	19.0	18.7	....	17.7	17.8	....	....
12	19.6	19.0	18.8	....	17.9	18.0	....	....
13	19.5	19.0	18.8	....	17.9	17.9	....	....
14	19.4	18.9	18.7	....	17.7	18.0	....	....
15	19.4	19.0	18.6	....	17.8	18.1	....	....
16	19.5	19.0	18.6	....	17.9	18.3	....	....
17	19.3	18.9	18.8	....	17.9	18.4	....	....
18	19.3	18.9	....	....	17.9	18.5	....	....
19	19.4	....	....	17.8	17.8	18.6	....	....
20	19.3	....	....	17.6	17.7	18.7	....	....
21	19.1	....	....	17.7	17.7	18.7	....	....
22	....	....	....	17.5	17.6	....	....	....
23	....	....	....	17.5	17.7	....	....	....
24	....	....	....	17.5	17.7	....	....	....
25	19.4	....	....	17.5	....	....	....	....
26	19.5	....	....	17.6	....	....	....	....
27	19.3	....	....	17.6	....	....	....	....
28	19.1	....	....	17.7	....	18.8	....	....
29	19.2		....	17.6	....	18.8	....	....
30	19.3		....	17.5	....	19.1	....	....
31	19.1		18.2	17.5		19.0	....	

* No record for April, September, October, and December.

(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, 1949-53. Mar. 30, +38.1.

(A-13-1)29bdb-1. State claim 1682. J. C. Cannell. Jetted stock artesian well in alluvium, diameter 2 inches, depth 106 feet, cased to 106. Highest water level 9.9 above lsd, Aug. 14, 1936; lowest 5.40 below lsd, Feb. 20, 1942. Records available: 1936-53. Mar. 30, 2.35.

(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: 1938-53. Mar. 30, +6.6.

(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: 1935-53. Mar. 30, 14.00.

(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: 1936-53. Mar. 30, +22.2.

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 10.0 above lsd, Dec. 13, 1948. Records available: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	+12.3	Apr. 29	+12.7	Aug. 6	+14.0	Oct. 30	+11.0
Mar. 3	+12.1	May 26	+14.6	Sept. 9	+12.1	Dec. 11	+10.1
30	+12.0	July 2	+15.4	Oct. 7	+11.3		

(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 1953.

(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 13.16 below lsd, Apr. 4, 1946. Records available: 1939, 1945-53.

Jan. 23	9.17	Apr. 29	8.17	Aug. 6	7.94	Oct. 30	10.65
Mar. 3	9.01	May 26	5.32	28	10.77	Dec. 11	11.44
30	8.98	July 2	6.21	Oct. 7	10.48		

(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 20.86 below lsd, Aug. 28, 1953; lowest 37.15 below lsd, Mar.10, 1941. Records available: 1937-53.

Jan. 23	27.62	Apr. 29	28.40	Aug. 6	21.02	Oct. 30	24.45
Mar. 3	29.94	May 27	26.05	28	20.86	Dec. 11	26.54
30	28.88	July 2	22.01	Oct. 7	22.53		

(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. 16, 1940. Records available: 1938-53.

Daily noon water level above lsd from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.8	23.8	23.9	24.0	24.6	27.3	24.8	22.7	19.6	22.0	21.9	21.1
2	23.7	23.8	23.8	24.0	24.7	26.6	25.7	23.3	19.8	21.9	22.1	21.0
3	23.6	23.8	23.8	24.1	24.8	27.2	24.6	23.6	20.0	22.1	22.0	21.1
4	23.6	23.9	23.8	23.5	24.9	27.4	24.0	24.3	20.1	22.2	21.7	21.1
5	23.7	23.9	24.0	23.2	25.1	26.6	24.4	24.1	20.2	22.3	22.3	20.9
6	23.8	23.8	24.0	22.5	25.3	26.6	24.1	22.2	20.1	22.1	21.7	21.0
7	23.7	23.8	24.0	22.4	25.5	25.6	22.7	22.6	21.2	22.3	21.5	21.1
8	23.7	23.9	24.1	22.4	25.3	25.9	23.6	22.8	21.7	22.4	21.6	21.0
9	23.7	23.9	24.1	22.4	24.9	26.3	23.9	23.3	21.2	21.7	21.8	21.0
10	23.6	23.8	24.4	22.3	24.8	26.2	23.8	22.1	21.2	22.2	21.9	21.0
11	23.7	23.8	24.3	22.3	25.3	25.9	24.6	23.3	21.6	21.9	22.3	20.9
12	23.7	23.8	24.4	22.3	25.5	25.9	23.8	23.3	20.5	21.9	22.4	20.8
13	23.8	23.8	24.1	22.4	25.6	24.9	24.1	22.3	21.2	21.8	22.4	20.9
14	23.8	23.8	24.0	22.4	25.8	24.9	23.7	21.6	22.1	22.0	22.4	20.8
15	23.7	23.8	24.2	22.8	25.1	25.7	24.2	22.4	22.2	22.2	22.2	20.8
16	23.7	23.8	24.3	23.8	25.4	25.9	23.6	22.4	21.5	22.0	22.0	20.7
17	23.6	23.9	24.2	23.8	25.3	26.7	23.3	22.4	22.2	22.1	21.6	20.7
18	23.7	23.8	24.3	23.6	25.4	25.8	21.3	22.3	22.4	21.7	21.4	20.8
19	23.7	23.8	24.4	23.9	25.6	25.2	21.6	22.5	22.2	21.9	21.4	20.7
20	23.7	23.8	24.2	24.1	25.2	23.5	22.4	22.4	21.0	21.8	21.4	20.8
21	23.7	23.7	24.0	24.1	25.9	23.8	21.6	22.1	22.0	21.6	21.2	20.8
22	23.8	23.8	24.0	24.2	26.2	23.8	22.2	20.1	22.0	21.8	21.3	20.7
23	23.8	23.8	24.0	24.4	26.3	23.5	22.4	19.6	21.4	21.5	21.6	20.8
24	23.7	23.8	24.2	24.4	25.8	24.5	21.4	19.9	22.4	21.2	21.3	20.8
25	23.8	23.8	24.4	24.3	26.4	25.0	22.4	19.6	22.2	21.4	21.4	20.7

(A-2-1)18abd--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	23.8	23.8	24.3	24.5	26.9	26.4	21.8	20.3	22.5	21.4	21.5	20.8
27	23.8	23.8	24.3	24.5	26.9	26.8	23.4	20.8	22.3	21.6	21.1	20.9
28	23.8	24.0	23.7	24.4	27.1	26.5	23.5	20.3	21.8	21.7	21.2	20.9
29	23.9		24.1	24.4	26.5	26.3	23.4	19.6	22.4	21.9	21.0	20.9
30	23.9		23.9	24.3	26.8	24.6	22.6	19.0	22.6	21.9	21.0	20.7
31	23.8		23.9		27.3		23.0	19.4		21.9		20.8

(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: 1937-53. Jan. 23, 67.30; Mar. 2, 67.12; Mar. 30, 66.36; Apr. 29, 65.39; Oct. 7, 66.78; Nov. 3, 67.61; Dec. 15, 68.62.

(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 40.2 above lsd, Aug. 4, 7, 22, 1946. Records available: 1945-53.

Daily noon water level above lsd from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	47.0	....	....	47.5	49.4	47.0	....	....	45.6	45.3	45.4
2	....	47.0	....	....	47.6	49.4	....	....	....	45.7	45.4	45.1
3	....	47.1	46.8	....	47.7	49.2	47.0	....	....	45.4	45.5	45.0
4	....	47.0	46.8	....	47.6	49.5	46.9	....	....	45.4	45.2	45.3
5	....	46.9	46.5	....	47.7	49.5	46.9	....	....	45.4	45.4	44.9
6	....	47.1	46.5	....	47.9	49.5	....	....	....	45.6	45.5	44.7
7	....	47.0	46.5	....	47.8	49.6	....	....	....	45.6	45.3	44.9
8	....	46.9	46.5	....	48.0	49.8	....	....	....	45.7	45.1	45.0
9	....	47.0	46.6	....	47.9	50.0	....	....	....	44.9	45.4	44.7
10	....	47.1	46.7	....	47.5	50.0	....	....	....	44.7	45.5	44.8
11	....	47.0	46.8	....	47.5	....	....	....	....	44.3	45.4	45.1
12	....	47.0	....	....	48.0	....	46.4	....	....	44.1	45.5	44.7
13	....	47.0	....	....	48.0	48.5	46.5	....	....	44.1	45.7	44.7
14	47.1	46.9	....	....	48.0	....	....	....	....	44.0	45.5	44.8
15	47.1	46.9	....	....	48.2	48.0	....	....	....	44.1	45.5	45.0
16	47.2	47.0	....	....	48.0	....	....	....	....	44.1	45.8	44.7
17	47.1	47.0	....	....	47.8	....	....	....	....	44.1	45.6	44.7
18	46.8	47.1	....	....	47.6	48.8	47.0	....	45.9	44.0	45.6	44.9
19	46.9	....	....	47.1	48.0	48.8	....	46.9	45.9	44.3	45.6	44.7
20	47.0	....	....	47.2	48.1	49.1	....	....	45.9	44.2	45.7	44.5
21	46.8	....	....	47.3	48.5	....	....	....	....	44.5	45.5	44.5
22	46.7	....	....	47.3	48.8	48.7	....	....	45.8	44.4	45.4	44.7
23	46.9	....	....	46.5	48.9	49.3	....	....	45.5	44.6	45.6	44.4
24	46.8	....	....	46.5	49.0	48.4	....	....	45.2	45.1	45.6	44.3
25	46.7	....	....	46.4	49.2	47.9	....	46.4	45.3	45.0	45.4	44.5
26	47.0	....	....	47.1	49.4	48.2	....	....	45.3	45.1	45.4	44.3
27	47.0	....	....	47.2	49.5	47.9	....	....	45.1	45.3	45.4	44.5
28	46.9	....	....	47.2	49.6	....	....	45.5	45.2	45.1	45.4	44.4
29	46.8		....	47.2	49.4	....	....	....	45.4	45.0	45.1	44.6
30	47.0		....	47.3	49.4	....	....	....	45.4	45.3	45.4	44.4
31	46.9		....		49.4		....	....		45.3		44.3

(B-2-1)24bad-5. State claim 11382. George Mann. Jetted unused artesian well in alluvium, diameter 2 inches. Land-surface datum is 4,250.6 feet above msl. Highest water level 32.9 above lsd, Apr. 5-7, 13, 15-16, 1950; lowest 16.1 above lsd, July 23, 1946. Records available: 1946-53. Recording gage removed July 18, 1953. Measurement discontinued.

Daily noon water level above lsd from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
1	28.4	29.0	30.2	30.5	29.7	31.4	20.1
2	28.3	29.1	30.0	30.4	29.8	31.1	19.9
3	28.4	29.4	29.8	30.5	29.9	30.8	20.6
4	28.3	29.3	29.9	30.4	29.9	30.5	20.1
5	28.6	29.2	30.0	30.1	30.4	29.4	19.8
6	28.7	29.5	30.1	29.9	30.2	29.8	19.4
7	28.6	29.6	30.1	29.6	30.2	29.8	18.7
8	28.4	30.1	30.1	29.9	29.9	29.9	18.4
9	28.6	29.9	30.1	29.7	30.1	29.8	19.2
10	28.6	29.8	30.3	29.6	30.0	28.6	19.3

(B-2-1)24bad-5--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
11	28.6	29.6	30.4	29.6	29.9	26.5	21.0
12	28.7	29.6	30.5	29.9	29.9	25.6	21.5
13	28.8	29.5	30.5	29.9	29.9	26.1	21.5
14	28.9	29.7	30.1	30.1	28.6	26.3	21.3
15	28.9	29.7	30.3	30.1	29.9	26.3	20.1
16	28.5	29.5	30.2	30.3	28.3	26.4	20.9
17	28.4	30.0	30.5	30.4	28.6	25.4	21.4
18	28.4	30.1	30.4	30.2	28.9	25.6	....
19	28.2	30.0	30.5	30.2	29.0	24.7	....
20	28.7	....	30.7	30.3	29.4	25.0	....
21	28.5	....	30.3	30.4	30.2	24.8	....
22	28.3	29.8	30.2	30.2	30.6	25.0	....
23	28.7	29.9	30.1	30.1	31.1	23.0	....
24	28.7	30.0	30.2	30.0	30.8	22.7	....
25	28.9	30.0	30.5	29.0	31.1	23.4	....
26	29.1	30.0	30.5	28.2	31.3	22.5	....
27	29.0	30.1	30.6	28.1	31.4	22.4	....
28	28.9	30.1	30.5	28.9	31.4	21.9	....
29	28.9		30.5	29.1	31.3	21.7	....
30	29.0		30.4	29.6	31.4	21.0	....
31	28.9		30.4		31.6		....

* No record for August, September, October, November, and December.

(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 10.89 below lsd, May 21, 1936. Records available: 1936, 1946-52. No measurement made in 1953.

(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 38.55 above lsd, Aug. 3, 1939. Records available: 1936-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	+48.0	Apr. 29	+48.1	Aug. 7	+45.1	Nov. 3	+44.9
Mar. 3	+47.6	May 26	+47.7	28	+43.5	Dec. 15	+45.2
30	+47.7	July 3	+45.6	Oct. 7	+45.5		

(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 22.98 below lsd, Mar. 16, 1936. Records available: 1936-53.

Jan. 23	14.46	Apr. 29	14.66	Aug. 6	12.26	Nov. 3	16.73
Mar. 3	15.32	May 27	13.64	28	13.96	Dec. 11	16.50
30	15.01	July 2	12.78	Oct. 7	15.16		

(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 1953.

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: 1935-53.

Jan. 23	12.43	Apr. 29	12.36	Aug. 6	12.70	Oct. 30	12.81
Mar. 3	12.51	May 26	12.40	28	12.61	Dec. 11	12.80
30	12.47	July 2	12.18	Oct. 7	12.89		

(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 1953.

(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; lowest 18.2 above lsd, June 25, 1936. Records available: 1935-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	+36.5	May 26	+37.7	Aug. 27	+34.8	Oct. 29	+34.1
Mar. 2	+37.1	July 2	+36.7	Oct. 6	+32.9	Dec. 10	+35.1
27	+37.3	Aug. 4	+35.5				

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, 1951-53. Oct. 26, 16.73.

U(C-1-2)15bbc-1. State claim 2152. R. M. Clark. Driven domestic and stock artesian well in alluvium, diameter $\frac{3}{4}$ 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: 1935-53. Oct. 26, +12.9.

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: 1939-53. Oct. 26, 8.91.

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: 1939-53. Oct. 26, 8.15.

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 1953.

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: 1939-53. Oct. 26, +3.24.

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 102.48 below lsd, Oct. 26, 1953. Records available: 1936, 1939-40, 1942-53. Oct. 26, 102.48.

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: 1936-53. Oct. 26, 118.07.

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 183.65 below lsd, Dec. 8, 1953. Records available: 1947-53. Mar. 15, 170.72; Dec. 8, 183.65.

(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: 1946-53.

Jan. 16	29.27	Mar. 20	29.60	Apr. 13	29.50	May 5	29.68
Mar. 13	29.70	27	31.80	20	30.80	Dec. 8	31.88
15	29.30	Apr. 3	29.68	27	28.50		

(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 10.54 below lsd, Mar. 25, 1951. Records available: 1938-53. Mar. 15, 6.09; Dec. 8, 7.85.

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: 1937-53. Mar. 16, 49.15.

(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: 1935-53. Mar. 16, 16.67; Dec. 10, 17.01.

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, 1946-53. Oct. 30, 12.73.

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: 1946-53. Jan. 30, 21.05; Feb. 21, 20.89; Mar. 30, 20.58; Apr. 22, 20.37; May 29, 20.34; June 26, 21.53; July 31, 21.50.

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 38.68 below lsd, Jan. 30, 1953. Records available: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	38.68	Mar. 31	37.92	May 31	36.68	Aug. 5	36.32
Feb. 26	3'..80	Apr. 22	37.94	June 23	36.58	Sept. 22	37.61

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 1953.

(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: 1938-53. Mar. 12, 22.19; Dec. 7, 22.22.

(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: 1937-53.

Jan. 3	53.17	Apr. 10	54.83	July 3	77.47	Oct. 5	80.89
Feb. 7	51.36	May 7	64.45	Aug. 1	80.02	Nov. 2	69.20
Mar. 5	50.49	June 5	74.78	Sept. 2	80.50	Dec. 3	61.87
13	50.39						

(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: 1937-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	14.79	Apr. 10	18.24	Aug. 1	29.48	Nov. 2	21.63
Feb. 7	13.98	May 7	24.06	Sept. 2	25.33	Dec. 3	18.39
Mar. 5	13.65	June 5	28.26	Oct. 5	25.11	7	17.99
13	13.47	July 3	28.26				

(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 10.54 below lsd, Dec. 3, 1953. Records available: 1937-53.

Jan. 3	8.57	Apr. 10	8.45	Aug. 1	6.97	Nov. 2	10.36
Feb. 7	8.73	May 7	8.58	Sept. 2	9.79	Dec. 3	10.54
Mar. 5	8.77	June 5	8.71	Oct. 5	9.84	7	10.39
13	8.75	July 3	8.82				

(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 33.40 below lsd, Nov. 2, 27, Dec. 3, 1953. Records available: 1939-53.

Jan. 3	29.40	Apr. 10	27.80	July 7	32.13	Nov. 2	33.40
Feb. 7	29.00	28	30.62	Aug. 28	32.72	27	33.40
Mar. 5	26.38	May 7	29.22	Sept. 28	32.57	Dec. 3	33.40
13	27.51	26	32.66	Oct. 25	33.66	7	33.27
26	27.56						

(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. 15, 1943; lowest 40.60 below lsd, Aug. 23, 1951. Records available: 1931-53. Mar. 13, 31.55; June 22, 52.50, pumping; Dec. 7, 38.18.

(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 54.54 below lsd, Nov. 2, 1953. Records available: 1931-53.

Jan. 3	45.05	Apr. 10	43.13	June 23	a61.50	Oct. 5	a64.10
Feb. 7	44.16	May 7	48.20	July 3	a61.82	Nov. 2	54.54
Mar. 5	43.66	June 5	a60.03	Aug. 1	a63.18	Dec. 3	52.38
13	43.46	15	a61.30	Sept. 2	a63.56	7	52.07

a Pumping.

(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: 1930-53.

Jan. 3	26.64	Apr. 10	28.25	Aug. 1	41.72	Nov. 2	38.75
Feb. 7	25.65	May 7	30.66	Sept. 2	44.82	Dec. 3	33.11
Mar. 5	25.34	June 5	40.92	Oct. 5	45.12	7	32.62
13	25.19	July 3	41.31				

(C-35-11)33aac-1. State claim 5126. Cottonwood Pump & 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: 1930-53.

Jan. 3	69.03	Apr. 10	68.93	Aug. 1	a92.60	Nov. 2	79.14
Feb. 7	67.46	June 17	a87.40	Sept. 2	a93.00	Dec. 3	76.76
Mar. 5	66.59	July 3	a88.03	Oct. 5	80.91	7	75.88

(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 18.62 below lsd, Dec. 7, 1953. Records available: 1936-53. Mar. 13, 17.00; Dec. 7, 18.62.

(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: 1935-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	57.10	Apr. 10	55.86	Aug. 1	66.92	Nov. 2	66.92
Feb. 7	55.32	May 7	59.52	Sept. 2	67.83	Dec. 3	66.03
Mar. 5	54.50	June 5	60.08	Oct. 5	67.73	7	64.15
13	54.13	July 3	61.07				

(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: 1936-53.

Jan. 3	17.68	Mar. 13	16.22	June 18	a46.40	Dec. 3	19.90
Feb. 7	16.80	Apr. 10	20.75	Nov. 2	23.60	7	22.35
Mar. 5	16.36						

a Pumping.

(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: 1940-53. Mar. 14, 2.44; Dec. 7, 3.04.

(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: 1938-53. Mar. 14, 8.82; Dec. 7, 10.07.

(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: 1937-53. Mar. 14, 66.71; Dec. 7, 68.74.

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. Apr. 9, 27.53.

(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 1953.

(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. Mar. 18, 15.60; Dec. 5, 15.50.

(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. Mar. 18, 85.21; Dec. 5, 85.68.

(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. Dec. 5, 25.50.

(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. Dec. 6, 13.87.

(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: 1937-53. Mar. 18, 7.97; Oct. 7, 8.32; Dec. 5, 8.46.

(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 13.30 below lsd, Oct. 8, 1952. Records available: 1935-53. Mar. 18, 11.65; Oct. 7, 12.86; Dec. 5, 12.70.

(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 12.88 below lsd, Dec. 5, 1953. Records available: 1949-53. Mar. 19, 11.59; July 10, 55.50, pumping; Aug. 20, 61.60, pumping; Dec. 5, 12.88.

(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 18.32 below lsd, Oct. 13, 1951. Records available: 1939-45, 1948-53. Mar. 18, 15.69; Dec. 6, 17.27.

(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 17.85 below lsd, Dec. 5, 1953. Records available: 1937-45, 1949-51, 1953. Mar. 19, 16.66; Dec. 5, 17.85.

(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. Mar. 20, 11.18; Dec. 6, 13.90.

(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: 1936-53. Mar. 19, 13.45; July 10, 43.30, pumping; Dec. 6, 15.06.

(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 15.36 below lsd, Dec. 6, 1953. Records available: 1936-53. Mar. 19, 14.32; Dec. 6, 15.36.

(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, 1949-53. Mar. 18, 14.92; July 10, 45.60, pumping; Aug. 25, 47.10, pumping; Dec. 6, 16.70.

(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 27.15 below lsd, Aug. 8, 1950. Records available: 1949-53. Mar. 19, 25.02; Dec. 6, 26.50.

(C-35-15)28bdc-1. State application 15593. E. J. Graff. Drilled irrigation water-table well in alluvium, diameter 14inches, depth 180 feet, cased to 180. Highest water level 31.30 below lsd, June 12, 1950; lowest 41.77 below lsd, Dec. 6, 1953. Records available: 1949-53. Mar. 19, 40.76; Dec. 6, 41.77.

(C-35-16)6ccc-2. 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 28.92 below lsd, Dec. 5, 1953. Records available: 1937-39, 1949-53. Mar. 19, 26.15; Dec. 5, 28.92.

(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 26.40 below lsd, Dec. 5, 1953. Records available: 1948-53. Dec. 5, 26.40.

(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. Mar. 19, 24.10; Dec. 5, 26.26.

(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 28.20 below lsd, Oct. 7, 1953. Records available: 1947, 1949-53. Mar. 19, 24.72; Oct. 7, 28.20; Dec. 6, 26.60.

(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, 1949-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30.54	.....	.....	29.90	30.64	.....	32.96	33.68	34.17	34.32	33.28	32.79
2	30.54	.....	.....	29.90	30.67	.....	32.92	33.69	34.23	34.32	33.27	32.74
3	30.54	.....	.....	29.90	30.68	.....	33.02	33.60	34.27	34.31	33.25	32.70
4	30.52	.....	.....	29.89	30.73	.....	32.93	33.53	34.30	34.29	33.24	32.66
5	30.50	.....	.....	29.96	30.78	.....	32.98	33.47	34.31	34.29	33.20	32.62
6	30.49	.....	.....	30.02	30.77	.....	32.96	33.47	34.31	34.27	33.19	.....
7	30.49	.....	.....	30.07	30.74	.....	33.01	33.47	34.25	34.27	33.17	.....
8	30.49	.....	.....	30.05	30.84	.....	33.05	33.47	34.25	34.27	33.17	.....
9	30.49	.....	.....	30.08	30.92	.....	32.98	33.49	34.25	34.27	33.14	.....
10	30.47	.....	.....	30.13	30.92	.....	32.97	33.62	34.20	34.26	33.13	.....
11	30.46	.....	.....	30.21	30.92	.....	33.01	33.60	34.30	.....	33.12	.....
12	30.45	.....	.....	30.25	30.93	.....	33.07	33.63	34.35	.....	33.07	.....
13	30.45	.....	.....	30.30	30.92	.....	32.99	.....	34.43	.....	33.06	.....
14	30.44	.....	.....	30.35	30.99	.....	33.07	.....	34.44	.....	33.04	.....
15	30.44	.....	.....	30.38	31.06	.....	33.13	.....	34.38	.....	33.03	.....
16	30.44	.....	.....	30.42	31.12	.....	33.18	.....	34.46	.....	33.01	.....
17	30.44	.....	.....	30.46	31.15	.....	33.19	.....	34.50	.....	32.99	.....
18	30.43	.....	29.96	30.49	31.21	.....	33.30	33.90	34.47	.....	32.99	.....
19	30.38	.....	29.95	30.50	31.27	.....	33.32	33.87	34.39	.....	32.99	.....
20	30.37	.....	29.95	30.54	31.26	32.72	33.30	33.94	34.38	.....	32.98	.....
21	30.36	.....	29.95	30.63	31.31	32.68	33.34	34.08	34.36	.....	32.97	.....
22	30.36	.....	29.95	30.67	.....	32.72	33.42	34.13	34.33	.....	32.97	.....
23	30.36	.....	29.95	30.63	.....	32.76	33.47	34.14	34.33	.....	32.95	.....
24	.....	.....	29.95	30.68	.....	32.84	33.44	34.18	34.38	.....	32.94	.....
25	.....	.....	29.93	30.73	.....	32.86	33.45	34.22	34.38	.....	32.94	.....
26	.....	.....	29.93	30.78	.....	32.90	33.45	34.20	34.40	.....	32.93	.....
27	.....	.....	29.92	30.80	.....	32.95	33.53	34.22	34.40	.....	32.92	.....
28	.....	.....	29.90	30.69	.....	32.92	33.48	34.18	34.37	.....	32.92	.....
29	.....		29.90	30.77	.....	32.92	33.57	34.13	34.33	33.28	32.87	.....
30	.....		29.90	30.69	.....	32.94	33.64	34.08	34.32	33.29	32.85	.....
31	.....		29.90		.....		33.64	34.12		33.28		.....

(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 37.58 below lsd, Oct. 7, 1953. Records available: 1948-53. Mar. 19, 33.47; July 9, 49.00, pumping; Aug. 18, 49.00, pumping; Oct. 7, 37.58; Dec. 5, 36.45.

(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 47.67 below lsd, Oct. 7, 1953. Records available: 1948-53. Mar. 19, 42.40; June 22, 58.70, pumping; Aug. 17, 60.40, pumping; Oct. 7, 47.67; Dec. 6, 45.32.

(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 50.87 below lsd, Oct. 7, 1953. Records available: 1949-53. Mar. 19, 49.62; Oct. 7, 50.87; Dec. 5, 50.58.

(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 41.53 below lsd, Sept. 29, 1953. Records available: 1937-42, 1949-53.

(C-35-17)13bdc-1--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	35.34	34.87	.....	.....	34.92	37.35	38.74	41.01	41.24	41.38	39.91	37.80
2	35.37	34.89	.....	.....	35.04	37.30	38.86	41.08	41.08	41.20	38.96	37.77
3	35.29	34.90	.....	.....	35.10	37.40	39.03	40.97	40.98	41.05	38.80	37.74
4	35.24	34.83	.....	.....	35.11	37.37	39.20	40.82	40.99	40.90	38.76	37.70
5	35.17	34.82	.....	.....	35.15	37.47	39.35	40.88	40.93	40.78	38.70	37.74
6	35.13	34.83	.....	.....	35.18	37.49	39.49	41.04	40.85	40.65	38.67	37.75
7	35.21	34.83	.....	.....	35.22	37.55	39.62	41.08	40.76	40.55	38.65	37.70
8	35.28	34.70	.....	.....	35.25	37.60	39.77	41.24	40.69	40.45	38.60	37.72
9	35.22	34.80	.....	.....	35.30	37.73	39.82	41.34	40.70	40.35	38.56	37.68
10	35.18	34.88	.....	34.71	35.40	37.94	39.97	41.28	40.65	40.26	38.51	37.64
11	35.13	34.82	.....	34.65	35.47	38.15	40.04	41.35	40.60	40.17	38.48	37.65
12	35.12	34.80	.....	34.73	35.47	38.17	40.10	41.30	40.57	40.10	38.42	37.61
13	35.08	34.77	.....	34.72	35.50	38.12	40.15	41.25	40.55	40.03	38.39	37.60
14	35.10	34.77	.....	34.68	35.52	38.17	40.20	41.13	40.54	39.95	38.35	37.57
15	35.19	34.69	.....	34.73	35.52	38.25	40.21	41.10	40.54	39.89	38.33	37.54
16	35.17	34.77	.....	34.73	35.55	38.23	40.25	41.02	40.52	39.82	38.28	37.53
17	35.04	34.75	.....	34.67	35.60	38.05	40.20	40.94	40.50	39.75	38.23	37.50
18	35.06	34.61	.....	34.70	35.64	38.05	40.07	41.17	40.62	39.68	38.20	37.46
19	35.05	34.68	34.50	34.83	35.68	37.97	40.13	41.07	40.82	39.62	38.18	37.45
20	35.02	.....	.....	34.84	35.85	37.94	40.13	41.03	40.89	39.57	38.12	37.42
21	35.07	.....	.....	34.88	36.05	37.94	40.21	41.04	40.88	39.51	38.12	37.40
22	35.10	.....	.....	34.90	36.30	37.98	40.22	40.94	40.98	39.45	38.08	37.40
23	35.06	.....	.....	34.95	36.51	38.05	40.37	40.90	41.13	39.43	38.05	37.38
24	35.00	.....	.....	34.95	36.68	38.17	40.47	40.93	41.26	39.38	38.03	37.36
25	34.96	.....	.....	34.97	36.71	38.37	40.48	41.10	41.37	39.32	38.00	37.33
26	34.97	.....	.....	34.97	36.82	38.41	40.57	41.27	41.43	39.28	37.95	37.31
27	35.03	.....	.....	34.95	36.97	38.42	40.67	41.19	41.48	39.23	37.93	37.26
28	34.97	.....	.....	34.90	37.11	38.51	40.78	41.20	41.49	39.18	37.91	37.26
29	34.92		.....	34.90	37.16	38.58	40.85	41.33	41.53	39.13	37.88	37.24
30	34.90		.....	34.90	37.28	38.67	40.89	41.35	41.45	39.08	37.82	37.25
31	34.97		.....		37.25		40.88	41.29		39.05		37.26

(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 57.92 below lsd, Oct. 7, 1953. Records available: 1949-53. Mar. 19, 56.65; July 8, 69.00, pumping; Aug. 19, 66.50, pumping; Oct. 7, 57.92; Dec. 5, 57.90.

(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 59.06 below lsd, Oct. 7, 1953. Records available: 1948-53. Mar. 19, 55.64; June 22, 76.50, pumping; June 30, 77.30, pumping; Aug. 17, 78.80, pumping; Oct. 7, 59.06; Dec. 6, 58.29.

(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. Mar. 19, 106.94; Dec. 6, 109.78.

(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 leve 75.30 below lsd, Mar. 12, 1948; lowest 88.82 below lsd, Aug. 26, 1951. Records available: 1947-53. Mar. 19, 84.84; July 8, 159.00, pumping; July 10, 159.00, pumping; Aug. 25, 160.50, pumping; Dec. 6, 87.76.

(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 43.70 below lsd, Oct. 7, 1953. Records available: 1947-53. Mar. 19, 41.00; June 29, 76.70, pumping; Aug. 25, 77.60, pumping; Oct. 7, 43.70; Dec. 5, 43.20.

(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. Mar. 19, 54.69; July 1, 70.30, pumping; Aug. 12, 70.30, pumping; Dec. 6, 57.56.

(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: 1948-53. Mar. 20, 58.23; June 29, 73.00, pumping; Aug. 12, 74.20, pumping; Oct. 7, 68.97; Dec. 6, 64.14.

(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 91.52 below lsd, Dec. 6, 1953. Records available: 1945-53. Mar. 20, 87.72; July 7, 102.20, pumping; Dec. 6, 91.52.

(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 136.50 below lsd, Dec. 6, 1953. Records available: 1945-53. June 22, 135.07; Dec. 6, 136.50.

(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 100.28 below lsd, Dec. 6, 1953. Records available: 1945-53. Mar. 20, 96.58; July 7, 138.20, pumping; Dec. 6, 100.28.

(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 128.90 below lsd, Oct. 14, 1951. Records available: 1947-53. Mar. 20, 121.14; June 22, 143.90, pumping; July 1, 144.80, pumping; Aug. 13, 146.60, pumping; Dec. 6, 126.68.

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: 1939-53. Mar. 11, 48.15; Dec. 8, 48.37.

(C-33-8)28bbb-1. State claim 15133. Tom Abbott. Drilled stock and 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: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	11.17	Apr. 26	14.20	July 26	12.13	Oct. 25	12.02
Feb. 22	11.11	May 31	13.05	Aug. 30	11.12	Nov. 29	11.85
Mar. 12	11.34	June 28	12.29	Sept. 27	12.10	Dec. 8	11.94
29	11.88						

(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: 1935-53.

Jan. 25	21.64	Apr. 26	c43.00	July 26	c65.35	Oct. 25	42.21
Feb. 22	20.94	May 31	c53.20	Aug. 30	57.34	Nov. 29	28.65
Mar. 12	20.12	June 28	c64.82	Sept. 27	47.54	Dec. 8	27.68
29	20.86						

c Nearby well pumping.

(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 51.77 below lsd, Dec. 8, 1953. Records available: 1933-53. Mar. 12, 44.69; June 25, 73.00, pumping; Aug. 7, 75.50, pumping; Sept. 16, 73.90, pumping; Dec. 8, 51.77.

(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: 1935-53.

Jan. 25	19.45	Apr. 26	20.00	July 26	21.23	Oct. 25	22.36
Feb. 22	19.64	May 31	20.28	Aug. 30	21.95	Nov. 29	22.18
Mar. 12	19.66	June 28	20.72	Sept. 27	21.58	Dec. 8	22.40
29	19.85						

(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: 1938-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	18.66	Apr. 26	19.18	July 26	19.16	Oct. 25	18.26
Feb. 22	18.79	May 31	19.20	Aug. 30	19.18	Nov. 29	19.83
Mar. 12	18.82	June 28	19.34	Sept. 27	19.67	Dec. 8	20.04
29	18.80						

(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 69.20 below lsd, Oct. 25, 1953. Records available: 1937-53.

Jan. 25	59.35	Apr. 26	a70.60	July 26	a73.07	Oct. 25	69.20
Feb. 22	58.64	May 31	a72.80	Aug. 30	a72.10	Nov. 29	67.76
Mar. 12	57.92	June 28	a72.96	Sept. 27	a70.95	Dec. 8	67.37
29	57.83						

a Pumping.

(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 58.50 below lsd, July 30, 1952. Records available: 1948-53. Mar. 12, 54.01; Dec. 8, 56.72.

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 48.59 below lsd, Dec. 16, 1953; lowest 62.16 below lsd, June 2, 1936. Records available: 1935-53. Mar. 10, 50.33; Dec. 16, 48.59.

(D-11-1)9bb-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: 1935-53. Mar. 10, +11.6.

(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 25.88 below lsd, Mar. 10, 1953; lowest 34.71 below lsd, Oct. 31, 1951. Records available: 1949-53. Mar. 10, 25.88.

(D-13-1)6cbc-1. State claim 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: 1935-53. Mar. 10, 18.73; Dec. 16, 20.12.

(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. Mar. 10, 24.10.

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, 19.49. Records available: 1938-53. Oct. 19, 19.31.

(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 3.98 below lsd, Nov. 18, 1938. Records available: 1938-53. May 4, 3.00.

(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, 1950-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.95	17.38	18.43	18.44	18.87	22.77	.....	.....	.....	14.57	15.54	16.16
2	16.00	17.42	18.46	18.22	18.83	22.86	.....	.....	.....	14.63	15.55	16.20
3	16.05	17.46	18.51	18.28	18.80	22.93	.....	.....	.....	14.68	15.55	16.23
4	16.10	17.50	18.54	18.35	18.76	23.04	.....	.....	.....	14.73	15.56	16.28
5	16.15	17.54	18.58	18.41	18.78	23.28	.....	.....	.....	14.78	15.56	16.32
6	16.19	17.58	18.61	18.48	18.81	23.75	.....	.....	.....	14.84	15.58	16.36
7	16.24	17.61	18.65	18.55	18.83	24.36	.....	.....	.....	14.90	15.60	16.41
8	16.29	17.65	18.68	18.62	18.85	25.20	.....	.....	.....	14.96	15.61	16.44
9	16.34	17.70	18.72	18.70	18.97	25.68	.....	.....	.....	15.01	15.62	16.49
10	16.38	17.73	18.75	18.76	19.14	25.75	.....	.....	.....	15.06	15.63	16.53
11	16.42	17.77	18.78	18.83	19.27	.....	.....	.....	.....	15.10	15.64	16.58
12	16.47	17.81	18.81	18.88	19.37	.....	.....	.....	.....	15.15	15.65	16.62
13	16.52	17.85	18.85	18.93	19.45	.....	.....	.....	.....	15.19	15.67	16.66
14	16.56	17.88	18.87	18.65	19.50	.....	.....	.....	.....	15.23	15.69	16.70
15	16.61	17.92	18.90	18.42	19.55	.....	.....	.....	.....	15.27	15.71	16.74
16	16.65	17.96	18.93	18.50	19.64	.....	.....	.....	.....	15.31	15.72	16.79
17	16.70	18.00	18.97	18.63	19.70	.....	.....	.....	.....	15.34	15.73	16.83
18	16.74	18.04	18.99	18.74	19.76	.....	.....	.....	.....	15.38	15.74	16.88
19	16.78	18.07	19.04	18.83	19.84	.....	.....	.....	.....	15.43	15.76	16.91
20	16.82	18.10	19.07	18.90	19.94	.....	.....	.....	.....	15.46	15.78	16.97
21	16.87	18.14	19.09	18.96	20.09	.....	.....	.....	.....	15.49	15.81	17.00
22	16.92	18.18	19.10	19.02	20.21	.....	.....	.....	14.15	15.50	15.84	17.05
23	16.96	18.22	19.06	19.06	20.51	.....	.....	.....	14.11	15.53	15.87	17.09
24	17.03	18.25	19.04	19.08	21.11	.....	.....	.....	14.13	15.55	15.90	17.13
25	17.07	18.29	19.02	19.07	21.62	.....	.....	.....	14.18	15.57	15.93	17.18
26	17.12	18.33	19.00	19.05	21.95	.....	.....	.....	14.25	15.58	15.96	17.22
27	17.16	18.36	18.97	19.02	22.09	.....	.....	.....	14.31	15.58	16.01	17.26
28	17.21	18.40	18.96	18.96	22.20	.....	.....	.....	14.38	15.58	16.05	17.30
29	17.24		18.92	18.92	22.36	.....	.....	.....	14.45	15.57	16.08	17.35
30	17.29		18.84	18.89	22.41	.....	.....	.....	14.52	15.57	16.12	17.39
31	17.33		18.75		22.55		.....	.....		15.56		17.42

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. Mar. 21, 16.85.

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: 1936-53. Mar. 10, 5.72; Dec. 3, 5.15.

(C-20-5)13dad-1. C. H. Day. Drilled unused artesian well in alluvium, diameter 5 inches, depth 175 feet. Highest water level 34.88 below lsd, Dec. 3, 1953; lowest 47.73 below lsd, Mar. 25, 1941. Records available: 1937-53. Mar. 10, 35.69; Dec. 3, 34.88.

(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: 1936-53. Mar. 10, +12.8; Dec. 3, +14.5.

(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, 1950-53. Mar. 11, 3.63; Dec. 3, 4.03.

(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: 1929-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.40	3.74	2.95	6.90	12.34	13.58	15.13	15.72	16.30	15.70	10.51	6.66
2	4.44	3.78	3.03	8.60	12.46	14.30	15.31	15.12	16.28	15.72	10.47	6.62
3	4.54	3.79	3.13	9.00	12.41	14.34	15.41	15.26	16.14	15.65	10.40	6.58
4	4.46	3.74	3.08	9.23	12.31	14.38	15.32	15.50	16.80	15.45	10.32	6.50
5	4.34	3.72	3.00	9.36	12.32	14.54	14.70	16.08	16.81	15.40	10.24	6.63
6	4.28	3.70	2.98	9.46	12.39	14.53	15.33	16.08	15.91	15.50	10.27	6.50
7	4.30	3.67	2.99	9.73	12.37	14.47	15.48	16.02	15.86	15.54	10.15	6.41
8	4.37	3.45	2.97	9.80	12.41	14.56	15.52	15.26	15.87	15.64	9.88	6.68
9	4.30	3.58	2.86	9.99	12.50	14.64	15.68	15.80	15.89	15.70	9.75	6.41
10	4.28	3.65	2.89	10.04	12.50	14.68	15.08	15.68	16.08	15.67	9.69	6.28
11	4.19	3.58	2.94	10.16	12.63	14.67	15.24	15.90	16.11	15.52	9.64	6.36
12	4.15	3.56	2.84	10.26	12.66	14.83	15.66	15.90	16.12	15.44	9.38	6.30
13	....	3.55	2.84	10.44	12.74	14.10	.....	16.13	16.00	15.38	7.96	6.28
14	4.11	3.54	2.85	10.71	12.75	14.00	.....	16.02	15.86	15.36	7.90	6.08
15	4.26	3.54	2.83	11.04	12.79	14.04	.....	16.22	15.87	14.38	7.87	6.04
16	4.20	3.54	2.82	11.04	12.82	14.00	.....	15.84	15.87	13.64	7.78	6.03
17	4.08	3.49	3.16	11.28	12.89	14.02	15.38	15.64	16.14	13.31	7.64	6.01
18	4.07	3.38	3.17	11.46	12.77	14.01	.....	15.80	16.22	12.82	7.63	5.97
19	4.06	3.40	3.14	11.36	12.90	14.10	15.43	15.45	16.18	12.46	7.59	5.94
20	4.00	3.42	3.26	11.43	13.12	14.78	15.90	15.58	15.95	12.12	7.34	5.88
21	4.04	3.44	3.29	11.61	13.16	14.26	15.12	15.60	15.96	11.86	7.42	5.87
22	4.08	3.33	3.34	11.74	13.31	14.22	15.84	15.84	15.98	11.60	7.37	....
23	4.03	3.28	3.36	11.90	13.28	14.90	.....	15.57	15.88	11.49	7.36	....
24	3.96	3.28	3.37	12.00	13.41	.....	.....	16.00	15.88	12.37	7.28	....
25	3.88	3.23	3.35	12.06	13.45	.....	15.70	16.32	15.90	11.30	7.11	....
26	3.88	3.20	3.53	12.14	13.42	.....	15.76	16.44	16.02	11.19	7.36	....
27	3.97	3.14	3.62	12.24	13.43	.....	15.66	16.50	15.92	11.08	7.22	....
28	3.87	3.03	4.19	12.27	13.38	.....	15.42	16.66	16.00	10.00	7.07	....
29	3.82		4.22	12.28	13.40	14.32	16.02	15.78	15.82	9.70	6.91	....
30	3.82		4.35	12.30	13.52	15.00	16.12	15.74	15.70	9.65	6.67	....
31	3.84		4.46		13.57		15.70	16.00		10.53		....

(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: 1942-53. Mar. 11, 31.06; Dec. 3, 34.85.

(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: 1943-53. Mar. 11, 34.94; Dec. 3, 35.35.

(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: 1943-53. Mar. 11, 54.10; Dec. 3, 57.80.

(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: 1943-53. Mar. 11, 25.29; Dec. 4, 25.60.

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: 1935-53. Mar. 26, 119.45; Dec. 2, 119.35.

(C-15-7)17dad-1. I. H. Losee. Jetted unused artesian well in alluvium, diameter 1½ inches, depth 235 feet. Highest water level 3.42 above lsd, Mar. 24, 1937; lowest 2.0 above lsd, Dec. 2, 1953. Records available: 1937-51, 1953. Mar. 25, +3.0; Dec. 2, +2.0.

(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 10.00 above lsd, Apr. 2, 1952; lowest 6.00 above lsd, Dec. 11, 1940. Records available: 1935-53. Mar. 25, +9.0; July 17, +8.7; Aug. 13, +8.3; Nov. 10, +8.3; Dec. 2, +9.0.

(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: 1945-53. Mar. 25, +5.5; Dec. 2, +5.3.

(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 3.40 above lsd, Dec. 2, 1953; lowest 2.0 below lsd, Jan.19, 1945. Records available: 1942-53. Mar. 25, +3.03; Dec. 2, +3.40.

(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 5.2 above lsd, Mar. 25, 1953. Records available: 1936-53. Mar. 25, +5.2; Dec. 2, +5.7.

(C-18-7)5aaa-2. State claim 7624. S. A. Webb. Jetted domestic 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: 1935-53. Mar. 25, +4.1, Dec. 2, +4.9.

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. No measurement made in 1953.

(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, 1951-53. Oct. 5, 72.63.

(C-23-19)9cbd-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, 1950-53. Oct. 20, 12.30.

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, 1942-53. Apr. 3, 16.75; Dec. 9, 16.81.

(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: 1939-53. Apr. 3, 18.65; Dec. 9, 20.25.

(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: 1936-53. Apr. 3, 20.55; Dec. 9, 17.55.

(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 3.70 below lsd, Apr. 4, 1940. Records available: 1937-53. Apr. 3, 3.09; Dec. 9, 2.65.

(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: 1940-53. Apr. 3, 10.94; Dec. 9, 11.52.

(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: 1936-53. Dec. 9, 1.49.

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. Mar. 16, +3.22; Dec. 10, +3.93.

Upper Sevier Valley
(For other wells in this valley see Garfield County.)

(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: 1935-53. Mar. 16, 23.87; Dec. 10, 20.92.

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: 1937-53. Nov. 3, 13.70.

(A-13-5)21ad. State claim 8222. Drought Relief Administration. Drilled 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, 1950-53. Nov. 3, 5.36.

(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: 1936-53. Nov. 3, +6.81.

(A-14-5)21bda. 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. Nov. 3, 15.77.

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 31.45 below lsd, Nov. 3, 1953. Records available: 1948-53. Nov. 3, 31.45.

(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. Records available: 1946-53. Nov. 3, 16.28.

(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 10.47 below lsd, Nov. 3, 1953. Records available: 1937-53. Nov. 3, 10.47.

(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: 1936-53. Nov. 3, 9.41.

(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 1953.

(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. Nov. 3, 7.70.

(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: 1936-53. Nov. 3, 8.81.

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 14.2 above lsd, Jan. 4, 1952; lowest 10.94 above lsd, Mar. 20, 1933. Records available: 1931-33, 1941-53. Apr. 20, +13.8.

(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, 1935-53. Apr. 20, +17.6; Sept. 21, +16.2; Dec. 7, +22.3.

(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, 1934-53. Apr. 20, +13.4; Sept. 21, +17.2; Dec. 7, +15.5.

(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: 1931-53. Apr. 20, 21.42; Dec. 7, 20.88.

(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: 1931-53. Apr. 20, 7.51; Dec. 1, 1.07.

(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: 1934-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	133.83	132.98	132.50	132.41	132.53	133.57	134.84	136.25	.....	136.71	137.00
2	.....	133.81	133.17	132.57	132.49	132.52	133.58	134.88	136.38	135.82	136.73	136.98
3	.....	.....	133.28	132.51	132.46	132.66	133.58	134.92	136.36	135.86	136.74	137.00
4	.....	133.70	133.28	132.48	132.43	132.63	133.67	134.98	136.36	135.87	136.70	137.03
5	.....	133.71	133.16	132.42	132.35	132.67	133.75	135.06	136.36	135.88	136.67	137.16
6	.....	133.75	133.15	132.30	132.21	132.60	133.77	135.07	136.35	135.90	136.81	137.03
7	.....	133.65	133.15	132.27	132.20	132.67	133.80	135.14	.....	135.90	136.90	137.07
8	135.18	133.43	133.02	132.44	132.22	132.70	133.80	135.12	.....	135.92	136.88	137.16
9	135.07	133.62	132.97	132.52	132.31	132.73	133.93	135.14	136.45	135.97	136.83	137.19
10	135.04	133.60	132.90	132.38	132.37	132.84	134.00	135.20	136.43	135.95	136.80	137.12
11	135.05	133.50	133.17	132.46	132.38	132.87	134.00	135.25	136.40	135.97	136.85	137.22
12	135.05	133.50	133.01	132.45	132.34	132.89	134.01	135.29	136.46	135.98	136.80	137.19
13	134.80	133.46	133.04	132.48	132.28	132.89	134.05	135.28	136.48	136.01	136.82	.....
14	134.94	133.95	133.08	132.56	132.24	132.83	134.09	135.32	136.51	136.00	136.82	137.13
15	134.87	133.51	132.96	132.50	132.27	132.88	134.10	135.32	136.50	135.99	136.87	137.14
16	134.75	133.51	132.92	132.25	132.32	133.00	134.19	135.33	136.50	135.98	136.78	137.00
17	134.58	133.51	133.05	132.43	132.42	133.05	134.22	135.40	.....	136.08	136.86	.....
18	.....	133.31	132.72	132.60	132.44	133.01	134.27	135.43	.....	136.17	136.89	137.06
19	.....	.....	132.75	132.51	132.39	133.08	134.31	.....	.....	136.09	136.92	137.04
20	.....	133.35	132.79	132.46	132.48	133.21	134.36	135.44	136.58	136.10	136.95	.....
21	134.15	133.42	132.82	132.42	132.40	133.22	134.42	135.50	136.58	136.10	136.91	.....
22	134.32	133.20	132.85	132.42	132.39	133.22	134.46	135.57	136.58	136.12	136.84	.....
23	134.26	133.19	132.71	.....	132.30	133.35	134.46	135.53	136.60	136.19	136.94	137.10
24	134.20	133.22	132.67	132.46	132.52	133.29	134.47	135.54	136.62	136.22	137.05	.....
25	134.05	133.29	132.68	132.46	132.50	133.33	134.58	135.61	136.69	136.13	136.95	.....
26	134.05	133.27	132.70	132.36	132.52	133.44	134.66	135.64	136.67	136.16	136.96	.....
27	134.07	133.20	132.70	132.27	132.48	133.44	134.67	135.60	.....	136.13	137.00	.....
28	133.97	132.95	132.52	132.28	132.55	133.40	134.68	135.64	136.70	136.24	137.04	.....
29	133.96		132.47	132.34	132.55	133.48	134.73	135.68	136.67	136.23	137.04	.....
30	133.96		132.61	132.31	132.58	133.48	134.75	135.72	136.73	136.25	136.86	136.73
31	133.97		132.61		132.56		134.82	135.73		.....		.....

(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: 1934-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.48	57.23	57.46	57.19	56.04	55.68	56.21	56.03	55.97	56.02	56.03	56.44
2	56.50	.....	57.43	57.13	56.06	55.70	56.21	56.01	55.97	56.03	56.05	56.45
3	56.53	.....	57.43	57.03	56.07	55.72	56.21	56.00	55.97	56.03	56.06	56.47
4	56.55	.....	57.42	57.00	56.06	55.75	56.21	55.99	55.96	56.02	56.05	56.47
5	56.59	.....	57.38	56.90	56.09	55.78	56.21	55.99	55.96	56.00	56.04	56.47
6	56.62	.....	57.37	56.85	56.09	55.80	56.16	55.99	55.97	56.02	56.06	56.50
7	56.62	.....	57.32	56.82	56.09	55.83	56.16	55.99	55.97	56.02	56.08	56.50
8	56.63	57.23	57.30	56.69	56.12	55.85	56.16	55.99	55.97	56.01	56.10	56.52
9	56.57	57.22	57.29	57.57	56.09	55.88	56.16	55.98	55.97	55.99	56.11	56.54
10	56.59	57.24	57.27	57.54	56.10	55.90	56.16	55.98	55.97	56.00	56.12	56.54
11	56.60	57.26	57.28	57.46	56.09	55.93	56.15	55.98	55.97	56.01	56.12	56.53
12	56.72	57.30	57.28	57.47	56.05	55.98	56.11	55.98	55.97	56.01	56.15	56.53
13	56.76	57.32	57.28	57.41	55.99	56.01	56.10	55.98	55.97	56.01	56.16	56.53
14	56.77	57.33	57.28	57.40	55.93	56.03	56.07	55.98	55.96	56.00	56.19	56.53
15	56.81	57.36	57.28	57.36	55.88	.....	56.06	56.01	55.96	55.98	56.25	56.55
16	56.82	57.38	57.30	57.34	55.80	.....	56.06	56.00	55.96	56.00	56.25	56.56
17	56.86	57.39	57.30	57.31	55.70	.....	56.06	56.00	55.95	55.99	56.25	56.56
18	56.88	57.41	57.31	57.30	55.65	.....	56.05	56.00	55.96	55.99	56.25	56.56
19	56.89	57.42	57.30	57.29	55.58	.....	56.06	55.99	.....	55.99	56.29	56.57
20	56.92	57.43	57.30	57.26	55.57	.....	56.06	55.99	55.99	55.97	56.30	56.60
21	56.94	57.45	57.29	57.21	55.56	56.16	56.05	55.99	55.99	.....	56.34	.....
22	56.95	57.46	57.26	57.17	55.55	.....	56.05	55.98	55.99	.....	56.35	.....
23	56.95	57.46	57.25	57.14	55.53	.....	56.05	55.98	55.99	.....	56.35	.....
24	56.96	57.47	57.23	57.13	55.50	56.15	56.05	55.99	55.99	.....	56.36	.....
25	57.02	57.48	57.23	57.01	.....	.....	56.06	55.99	55.99	55.97	56.38	.....
26	57.05	57.48	57.23	57.07	.....	.....	56.06	55.99	56.00	55.97	56.39	.....
27	57.05	57.48	57.23	57.06	.....	56.20	56.05	55.99	56.02	55.99	56.40	56.60
28	57.04	57.47	57.23	57.06	.....	56.20	56.04	55.98	56.02	55.99	56.42	56.60
29	57.08		57.23	57.06	.....	56.21	56.04	55.98	56.02	56.00	56.44	56.61
30	57.09		57.22	57.06	.....	56.21	56.03	55.97	56.02	55.99	56.44	56.62
31	57.11		57.22		55.63		56.03	55.96		56.02		56.62

(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: 1931-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	+2.67	May 4	-0.28	July 28	-1.83	Oct. 31	-2.42
Feb. 25	-1.75	26	-.33	Aug. 26	-1.20	Nov. 30	+1.75
Mar. 26	-.67	June 26	-.67	Sept. 30	-1.83	Dec. 30	+1.30

San Juan County

San Juan River area - Moab-Spanish Valley
(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. Oct. 30, 19.19.

(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 279.24 below lsd, Oct. 12, 1951; lowest 284.75 below lsd, Oct. 6, 1949. Records available: 1946-51. No measurement made in 1953.

(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: 1946-53. Oct. 30, 30.75.

(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: 1946-53. Oct. 31, 101.22.

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. Oct. 30, 176.14.

(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. Oct. 30, 45.41.

(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: 1942-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	17.74	Mar. 27	17.80	June 12	17.06	Sept. 4	17.20
9	17.71	Apr. 3	18.07	19	16.58	11	17.45
16	17.77	10	17.35	26	16.58	18	17.20
23	17.34	17	17.22	July 3	16.40	25	17.60
30	17.40	24	17.64	10	16.69	28	17.61
Feb. 6	17.43	28	16.95	17	16.70	Oct. 2	17.66
13	17.34	May 1	17.42	24	15.26	9	17.71
20	17.67	8	16.95	29	16.76	16	17.76
27	17.47	15	17.00	Aug. 7	16.85	30	18.04
Mar. 6	17.76	22	17.05	14	16.79	Nov. 6	17.99
13	17.42	29	16.97	21	17.06	13	18.10
20	17.22	June 5	16.80	28	17.10	28	18.09

(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: 1942-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	49.60	49.78	49.18	.....	49.72	49.83	49.79	.....	49.71	49.63	.....	49.47
2	49.89	49.71	49.24	49.62	49.90	49.67	49.73	.....	49.67	49.52	.....	49.34
3	49.91	49.79	.....	49.72	.....	49.73	49.73	.....	49.71	49.70	49.80	49.46
4	49.79	49.60	.....	49.62	.....	49.68	49.89	49.78	49.81	49.75	49.78	49.34
5	49.50	49.52	49.77	49.63	.....	49.73	49.90	49.77	49.81	49.74	49.48	.....
6	.....	49.54	49.78	49.33	.....	49.68	49.96	49.78	49.82	49.68	49.70	49.84
7	.....	49.71	49.94	.....	49.84	.....	49.90	49.85	49.91	49.70	49.98	49.48
8	.....	49.03	49.93	.....	49.68	.....	49.93	49.84	49.91	49.74	50.13	49.68
9	.....	.....	49.78	49.72	49.75	.....	49.97	.....	49.88	49.74	50.08	49.88
10	49.70	.....	49.64	49.50	49.74	.....	50.15	.....	49.88	49.65	49.94	.....
11	.....	49.64	49.73	49.58	49.73	.....	50.08	.....	49.92	49.42	.....	49.30
12	.....	49.53	49.71	49.73	49.75	50.10	50.06	.....	49.92	49.48	.....	49.87
13	.....	49.54	49.55	49.73	49.84	50.02	50.08	.....	49.78	49.60	.....	49.95
14	.....	49.70	49.74	49.72	49.70	49.80	49.95	.....	49.78	.....	49.84	49.95
15	.....	49.56	49.68	.....	49.59	49.83	49.90	49.82	49.73	49.64	49.76	49.81
16	49.79	49.77	49.72	49.72	.....	49.90	49.88	49.74	49.66	49.60	49.76	49.87
17	.....	49.86	49.65	49.43	49.77	49.80	.....	49.78	49.60	49.62	.....	49.87
18	.....	49.30	49.68	49.82	49.71	49.65	.....	.....	49.68	49.52	.....	49.83
19	.....	49.19	49.59	49.96	49.83	49.64	.....	49.75	49.74	49.43	.....	49.83
20	49.60	49.52	49.28	49.91	49.65	49.79	.....	49.70	49.58	.....	.....	49.71
21	49.29	49.75	49.46	49.83	49.62	49.85	.....	49.78	49.70	.....	49.56	49.66
22	49.74	49.80	49.75	49.69	49.82	49.86	49.76	49.86	49.79	.....	49.78	49.90
23	49.79	49.56	49.87	49.73	49.96	49.83	49.73	.....	49.80	.....	49.78	50.07
24	49.85	49.47	49.95	49.75	49.84	49.72	49.66	.....	49.74	49.57	49.87	50.01
25	49.71	49.68	49.88	49.86	49.63	49.76	49.66	.....	49.67	49.62	.....	50.05
26	49.70	49.80	49.89	49.83	49.81	49.76	49.80	.....	49.66	49.80	.....	49.80
27	49.80	49.78	.....	49.64	49.83	49.78	49.81	.....	49.48	49.79	.....	49.49
28	49.83	49.36	49.59	49.30	49.86	49.77	49.72	.....	49.59	49.94	50.03	49.68
29	49.77		49.52	49.49	.....	49.85	49.68	.....	49.66	49.83	50.03	49.58
30	49.52		49.44	49.40	.....	49.93	49.73	.....	49.72	49.73	49.86	.....
31	49.84		49.62		.....		49.73	49.69		49.84		.....

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: 1935-53. Mar. 17, 30.33; Dec. 10, 29.77.

(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: 1935-53. Mar. 17, 34.53; Dec. 10, 32.85.

Sanpete Valley

(D-15-3)8cda-3. State claim 13671. William Prestwich. Jetted stock artesian well in alluvium, diameter $1\frac{1}{2}$ inches, depth 75 feet. Land-surface datum is 5,510.72 feet above msl. Highest water level 3.83 above lsd, Mar. 20, 1944; lowest 1.25 above lsd, Oct. 14, 1939. Records available: 1937-53. Mar. 18, +3.52; Dec. 11, +3.43.

(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: 1935-53. Mar. 18, 10.59.

(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: 1938-53. Mar. 18, 11.48; Dec. 11, 11.57.

(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 25.93 below lsd, Dec. 9, 1952; lowest 38.96 below lsd, Feb. 7, 1940. Records available: 1937-53. Mar. 18, 25.88; Dec. 11, 25.03.

(D-16-3)32ddc-2. George L. Beal. Jetted unused artesian well in alluvinm, diameter $1\frac{1}{2}$ 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: 1935-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	19.7	18.1	....	16.6	17.0	20.1	....	18.3	18.6	17.6	16.4
2	....	19.8	....	....	16.3	16.7	20.3	....	18.4	18.4	17.3	16.4
3	....	19.7	....	....	16.8	16.8	20.4	....	18.7	18.0	17.5	16.4
4	....	19.6	18.1	....	16.9	17.0	20.2	20.6	18.6	17.9	17.3	16.3
5	21.1	19.5	18.3	....	17.0	16.7	20.1	19.8	18.9	17.8	17.5	16.2
6	20.9	19.6	18.7	....	17.1	16.7	20.4	19.8	19.1	17.9	17.2	16.2
7	20.5	19.4	18.4	17.2	16.8	17.0	20.2	20.1	19.1	17.9	17.1	16.2
8	20.6	19.5	18.6	16.8	16.5	17.2	20.3	20.1	19.2	18.0	17.3	16.5
9	20.4	19.6	18.7	16.8	16.5	17.4	19.8	20.0	18.6	18.1	17.4	16.3
10	20.5	19.7	18.3	17.1	16.0	....	19.9	20.1	19.0	18.0	17.3	16.2
11	20.5	19.3	18.5	17.2	16.5	17.1	19.2	....	19.1	17.7	17.2	....
12	20.3	19.3	....	17.2	16.5	17.1	....	19.8	18.9	17.6	17.4	....
13	20.4	19.3	17.9	17.3	16.8	17.3	....	19.8	19.0	17.6	....	16.4
14	20.2	19.3	17.9	17.1	16.8	17.7	....	19.5	18.9	17.7	16.6	15.9
15	20.3	19.4	18.1	....	16.6	17.8	....	19.2	19.0	17.9	16.8	16.0
16	20.9	19.2	18.1	16.8	16.4	....	....	19.1	19.0	17.7	16.7	15.9
17	20.5	19.0	17.8	16.7	....	....	....	19.2	18.8	17.7	16.8	15.9
18	20.3	18.8	17.7	16.7	16.5	18.6	....	19.2	18.9	....	16.5	15.9
19	20.1	18.9	17.9	16.7	16.7	18.5	....	....	....	17.7	16.5	...
20	20.2	19.0	....	16.7	16.4	18.7	19.7	18.7	18.8	17.5	16.8	....
21	20.1	19.1	17.7	16.7	16.7	19.0	20.0	18.9	18.8	17.4	16.3	....
22	20.1	....	17.6	....	16.7	19.3	20.0	19.1	18.6	17.5	16.3	....
23	20.0	18.8	17.4	16.9	16.4	19.5	20.5	19.5	18.5	17.6	16.5	....
24	20.0	....	17.6	17.0	16.6	19.2	20.6	19.6	18.7	17.4	16.6	....
25	20.2	....	17.4	17.1	17.1	....	19.7	19.7	18.8	17 6	16.4	....

(D-16-3)32ddc-2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	20.0	....	17.5	17.1	16.7	....	19.6	19.3	18.6	17.5	16.5	....
27	19.9	18.6	17.8	17.0	16.8	19.7	....	19.5	18.6	17.7	16.4	....
28	19.6	18.6	17.8	16.3	16.8	19.8	19.2	19.4	18.1	17.6	16.3	....
29	19.8		....	16.6	16.7	20.0	....	18.4	18.4	17.8	16.2	....
30	19.6		17.2	16.5	16.8	20.0	....	18.5	18.5	17.6	16.5	....
31	19.8		....		....		....	18.9		17.5		....

(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: 1935-53. Mar. 17, 24.73; Dec. 11, 26.70.

(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: 1935-53. Mar. 17, 73.96; Dec. 11, 71.02.

(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 7.79 below lsd, Mar. 27, 1951. Records available: 1935-53. Mar. 17, 4.79; Dec. 10, 5.16.

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 5.65 below lsd, Apr. 7, 1952. Records available: 1935-53. Dec. 15, 4.40.

(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: 1936-53. Mar. 17, +6.8; Dec. 15, +7.5.

(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: 1935-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25.9	25.0	24.5	22.8	22.4	23.3	25.0	24.9	24.8	24.8	24.3	24.1
2	25.8	25.1	24.2	23.3	22.2	23.2	24.9	25.0	24.9	24.7	24.4	24.0
3	25.7	25.1	24.0	23.2	22.3	23.3	25.0	25.2	24.8	24.5	24.3	23.9
4	25.9	25.1	23.9	23.3	22.3	23.4	25.0	25.1	24.8	24.5	24.2	24.0
5	25.9	25.0	23.9	23.2	22.4	23.3	24.9	25.1	24.7	24.6	24.4	23.6
6	26.0	25.0	24.0	23.2	22.7	23.4	24.7	25.2	24.9	24.7	24.4	24.3
7	25.8	24.7	23.9	23.1	22.7	23.5	24.8	25.1	25.0	24.6	....	24.0
8	25.8	24.9	24.0	23.0	22.7	23.5	24.9	25.0	24.7	24.6	24.3	23.7
9	25.7	24.7	24.0	23.1	22.3	23.7	24.8	24.9	24.7	24.7	24.4	23.7
10	....	24.5	24.0	22.9	22.5	23.7	24.7	25.1	24.7	24.7	24.8	23.8
11	25.7	24.5	24.0	22.7	22.5	23.7	24.7	25.0	24.7	24.5	24.8	....
12	25.8	24.6	23.8	22.9	22.5	23.8	24.8	24.9	24.6	24.5	24.8	....
13	25.8	24.5	23.7	23.0	22.6	23.9	25.0	25.4	24.8	24.4	24.8	23.7
14	25.5	24.4	23.4	22.9	22.7	24.2	25.0	25.2	24.7	24.4	24.7	23.7
15	25.3	24.6	23.8	22.8	22.7	24.1	25.0	25.1	24.7	24.8	24.4	23.7
16	25.4	24.5	23.7	23.0	22.6	24.3	25.0	25.1	24.8	24.6	24.4	23.6
17	25.4	24.6	23.8	22.7	22.6	24.4	25.0	25.1	25.0	24.6	24.6	23.6
18	25.6	24.6	23.6	22.6	22.6	24.5	24.9	25.1	24.6	24.6	24.3	23.6
19	25.5	24.5	23.7	22.7	22.7	24.5	25.0	25.1	24.6	24.6	24.2	23.5
20	25.5	24.3	23.5	22.8	22.7	24.4	25.1	25.2	24.8	24.4	....	23.7
21	25.4	24.2	23.4	22.8	23.1	24.4	25.1	25.1	24.8	24.2	....	23.5
22	25.2	24.3	23.5	22.8	22.8	24.4	25.1	25.0	24.9	24.3	24.1	23.5
23	25.2	24.5	23.4	22.7	22.9	24.6	25.2	24.9	24.9	24.5	24.5	23.4
24	25.1	24.3	23.4	22.7	22.8	24.5	25.3	25.1	24.7	24.3	24.2	23.5
25	25.3	24.2	23.5	22.6	22.9	24.6	25.2	25.1	25.1	24.4	24.2	23.5

(C-23-2)19dab-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	25.5	24.1	23.7	22.8	22.9	24.7	25.0	24.8	25.0	24.5	24.2	....
27	25.2	24.3	23.5	22.8	22.9	24.5	25.1	24.8	24.7	24.3	24.1	23.5
28	25.1	24.4	23.5	22.6	23.0	24.8	25.1	25.0	24.9	24.4	24.1	23.4
29	25.2		23.5	22.5	22.9	24.8	25.1	24.9	24.6	24.5	24.1	23.4
30	25.2		23.2	22.5	22.9	24.9	25.1	24.9	24.7	24.3	24.3	23.3
31	25.0		23.1		23.2		25.1	24.9		24.3		23.4

(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: 1935-53. Mar. 16, +5.3; Dec. 15, +6.5.

(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. Mar. 17, 50.10; Dec. 15, 50.19.

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: 1935-53. Mar. 16, +17.0; Dec. 10, +17.7.

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: 1938-53. Apr. 3, 18.30; Dec. 9, 12.03.

(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: 1938-53. Apr. 3, 8.23; Dec. 9, 6.51.

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: 1935-53. Mar. 26, 23.70.

(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: 1941-53. Mar. 26, 18.70; Nov. 25, 19.11.

(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: 1936-53. Mar. 26, 17.09; Nov. 25, 17.15.

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: 1940-53. Apr. 22, 34.79; Dec. 11, 34.78.

(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: 1940-53. Apr. 22, 5.70; Dec. 11, 5.92.

(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: 1937-53.

Daily noon water level above lsd from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	33.48	33.04	32.61	32.56	32.96	33.84	34.77	34.82	35.09	35.04	34.68	33.98
2	33.51	33.03	32.73	32.59	33.04	33.89	34.85	34.75	35.07	35.08	34.65	33.97
3	33.48	33.02	32.80	32.57	33.04	33.95	34.83	34.77	35.09	35.12	34.63	33.94
4	33.46	33.02	32.80	32.54	33.04	33.95	34.83	34.82	35.09	35.07	34.60	33.85
5	33.38	33.00	32.78	32.58	33.03	33.96	34.83	34.83	35.05	35.08	34.51	33.97
6	33.30	32.99	32.77	32.54	33.00	33.98	34.82	34.80	35.04	35.06	34.54	33.89
7	33.35	32.94	32.79	32.57	32.97	33.97	34.87	34.85	34.98	35.07	34.63	33.85
8	33.40	32.83	32.74	32.53	33.00	34.04	35.00	34.83	35.04	35.07	34.60	33.92
9	33.40	32.90	32.69	32.65	33.08	34.03	35.06	34.79	35.06	35.06	34.57	33.72
10	33.39	32.95	32.65	32.59	33.11	34.14	35.08	34.75	35.06	35.03	34.51	33.61
11	33.33	32.95	32.71	32.63	33.12	34.22	35.03	34.86	35.03	34.98	34.50	33.64
12	33.31	32.92	32.66	32.64	33.12	34.20	35.03	34.88	35.05	34.99	34.47	33.62
13	33.28	32.92	32.68	32.61	33.14	34.28	35.03	34.89	35.05	34.99	34.45	33.61
14	33.24	32.88	32.71	32.66	33.11	34.22	35.03	34.89	35.07	35.01	34.45	33.56
15	33.36	32.89	32.68	32.68	33.11	34.23	35.11	34.89	35.07	34.97	34.48	33.52
16	33.32	32.89	32.64	32.59	33.16	34.29	35.13	34.87	35.05	34.97	34.43	33.49
17	33.23	32.89	32.66	32.56	33.24	34.25	35.13	34.88	35.04	34.96	34.43	33.47
18	33.22	32.85	32.63	32.66	33.27	34.38	35.14	35.02	35.08	34.86	34.40	33.44
19	33.23	32.79	32.56	32.64	33.21	34.40	35.15	35.11	35.06	34.84	34.43	33.41
20	33.22	32.82	32.53	32.59	33.23	34.44	35.10	35.09	35.02	34.97	34.43	33.38
21	33.23	32.86	32.57	32.58	33.17	34.49	35.08	35.08	35.01	35.01	34.36	33.36
22	33.26	32.83	32.61	32.58	33.28	34.51	35.04	35.14	34.95	35.03	34.30	33.38
23	33.27	32.77	32.64	32.58	33.41	34.60	35.02	35.13	35.02	35.00	34.29	33.34
24	33.25	32.78	32.60	32.61	33.46	34.68	34.89	35.07	35.01	34.99	34.28	33.32
25	33.15	32.82	32.57	32.79	33.46	34.70	34.90	35.11	34.98	35.04	34.21	33.24
26	33.17	32.81	32.61	32.78	33.52	34.68	34.89	35.14	34.99	35.04	34.17	33.24
27	33.23	32.77	32.61	32.74	33.56	34.74	34.84	35.14	35.02	35.00	34.14	33.22
28	33.17	32.70	32.54	32.80	33.58	34.69	34.86	35.14	35.04	34.99	34.10	33.22
29	33.15		32.53	32.88	33.63	34.70	34.84	35.13	35.05	34.92	34.10	33.25
30	33.07		32.57	32.88	33.86	34.70	34.85	35.14	35.06	34.83	33.97	33.22
31	33.10		32.60		33.83		34.88	35.06		34.78		33.20

(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. Mar. 31, 1.01; Dec. 11, 1.29.

(C-2-5)25aab-1. State of Utah. Jetted stock artesian well in alluvium, diameter 2 inches, depth 300 feet. Highest water level 12.20 above lsd, Apr. 10, 1952; lowest 9.2 above lsd, Dec. 22, 1952. Records available: 1935-47, 1949-53. Apr. 22, +11.4.

(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: 1937-53. Apr. 22, 31.28; Dec. 11, 31.76.

(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 23.15 below lsd, Aug. 5, 1940. Records available: 1940-53. Mar. 31, 19.70; Dec. 11, 20.97.

(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 81.23 below lsd, Nov. 23, 1940. Records available: 1937, 1940-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	77.05	76.86	76.97	77.26	.....	76.53	75.59	76.52	77.45	78.12	78.54	78.69
2	77.07	76.88	77.08	77.29	.....	76.53	75.59	76.57	77.46	78.18	78.54	78.71
3	77.04	76.90	77.15	77.30	.....	76.48	75.58	76.64	77.50	78.19	78.53	78.72
4	76.98	76.93	77.15	77.32	.....	76.41	75.59	76.68	77.52	78.21	78.56	78.70
5	76.93	76.98	77.14	77.32	.....	76.49	75.59	76.73	77.55	78.22	78.56	78.75

(C-2-6)36cdd-1-Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	76.95	76.96	77.15	77.31	77.19	76.28	75.57	76.77	77.58	78.22	78.56	78.72
7	77.00	76.92	77.16	77.34	77.11	76.12	75.58	76.81	.....	78.24	78.56	78.74
8	76.99	76.92	77.15	77.37	77.06	76.04	75.59	76.83	77.62	78.26	78.60	78.76
9	76.99	77.00	77.13	77.38	77.08	75.95	75.65	76.85	77.64	78.27	78.62	78.74
10	76.99	77.03	77.13	77.37	77.05	75.91	75.70	.....	77.67	78.26	78.64	78.73
11	76.97	77.03	77.18	77.40	77.04	75.85	75.70	76.94	77.68	78.29	78.65	78.75
12	76.99	77.06	77.15	77.41	76.97	75.80	75.72	76.98	77.70	78.31	78.64	78.74
13	76.94	77.05	77.20	77.42	76.96	75.78	75.75	76.99	77.72	78.32	78.65	78.75
14	76.96	77.06	77.21	77.44	76.93	75.75	75.79	77.03	77.72	78.31	78.66	78.74
15	77.02	77.09	77.20	77.44	76.92	75.79	75.84	77.04	77.74	78.33	78.67	78.76
16	76.98	77.11	77.19	77.43	76.92	75.78	75.87	77.06	77.75	78.34	78.61	78.76
17	76.93	77.07	77.25	77.44	76.93	75.73	75.89	77.10	77.79	78.35	78.64	78.77
18	76.96	77.06	77.22	.....	76.94	75.57	75.90	77.12	77.84	78.32	78.62	78.77
19	76.98	77.09	77.20	.....	76.88	75.54	75.94	77.14	77.84	.....	78.61	78.77
20	76.91	77.11	77.22	.....	76.89	75.53	75.94	77.15	.....	.....	78.58	78.77
21	76.96	77.14	77.23	.....	76.87	75.51	76.00	77.18	77.90	.....	78.60	78.78
22	76.96	77.04	77.24	.....	76.86	75.48	76.01	77.23	77.92	.....	78.59	78.80
23	76.92	77.04	77.27	.....	76.80	75.47	76.16	77.25	77.95	78.54	78.64	78.80
24	76.87	77.04	77.23	.....	76.85	75.51	76.10	.....	77.97	78.54	.....	78.80
25	76.83	77.06	77.24	.....	76.85	75.45	.....	.....	77.98	78.53	.....	78.81
26	76.84	77.05	77.24	.....	76.86	75.48	76.24	.....	78.00	78.56	.....	78.80
27	76.86	77.02	77.24	.....	76.84	75.52	76.31	.....	78.01	.....	.....	78.82
28	76.83	76.96	77.18	.....	76.79	75.50	76.34	.....	78.07	.....	.....	.....
29	76.81		77.21	.....	76.71	75.54	76.40	.....	78.08	.....	.....	.....
30	76.82		.....	.....	76.67	75.56	76.45	.....	78.10	.....	.....	.....
31	76.85		.....		76.60		76.50	77.42		.....		.....

(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: 1940-53. Mar. 31, 51.13; Dec. 11, 53.57.

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. No measurement made in 1953.

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, 1949-53. Oct. 26, 17.01.

(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: 1939-53. Oct. 27, 8.82.

(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: 1948-53. Oct. 27, 18.18.

(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: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	10.19	Mar. 25	10.24	May 25	9.08	Sept. 29	9.52
16	10.44	Apr. 1	10.21	June 8	9.04	Oct. 6	9.65
30	10.34	6	10.17	22	8.31	23	9.90
Feb. 7	10.31	16	10.12	July 8	8.24	Nov. 19	10.27
16	10.28	24	10.11	24	8.61	25	10.30
24	10.27	May 1	9.95	Aug. 3	8.77	Dec. 7	10.33
Mar. 4	10.27	8	9.80	17	9.01	19	10.34
9	10.27	15	9.01	Sept. 17	9.33	22	10.36
16	10.26						

(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; lowest 3.83 below lsd, Apr. 6, 1949. Records available: 1948-53. Oct. 27, 1.53.

(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. No measurement made in 1953.

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. No measurement made in 1953.

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: 1938-53. Mar. 24, 12.59; Dec. 2, 12.79.

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. Recording gage removed Sept. 30, 1954.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	46.88	46.89	47.04	48.54	50.62	52.82	53.85	54.30	55.75	.....	.....	h55.86
2	47.06	46.93	47.44	48.64	50.68	53.05	53.71	.....	55.83	.....	.....	.....
3	47.00	46.97	48.01	48.66	50.78	53.19	53.56	54.15	55.97	.....	.....	.....
4	46.90	46.88	47.91	48.64	50.76	53.13	53.55	54.25	56.00	.....	.....	.....
5	46.59	46.90	47.90	48.63	.....	53.25	53.67	54.40	56.05	.....	.....	.....
6	46.39	46.96	48.02	48.50	50.73	53.30	53.67	54.32	56.03	.....	.....	.....
7	46.59	47.07	47.95	48.57	50.68	53.28	53.58	54.60	55.90	.....	.....	.....
8	46.88	.....	47.81	48.52	50.74	53.42	53.51	54.64	55.87	.....	.....	.....
9	46.93	.....	47.73	48.95	50.86	53.55	53.53	54.63	55.92	.....	.....	.....
10	46.90	47.24	47.92	48.80	51.13	53.52	53.50	54.54	55.86	.....	.....	.....
11	46.77	47.19	47.86	48.96	51.16	53.90	53.25	54.70	55.90	.....	.....	.....
12	46.67	47.17	47.90	49.04	51.20	53.80	53.10	54.66	55.87	.....	.....	.....
13	46.61	47.19	48.12	49.00	51.28	53.90	53.16	54.70	55.81	.....	.....	.....
14	46.39	47.21	47.98	49.16	51.22	53.88	53.26	54.88	55.82	.....	.....	.....
15	46.84	47.17	48.00	49.34	51.21	54.16	53.34	54.88	55.85	.....	.....	.....
16	46.96	47.38	48.04	49.12	51.41	54.08	53.31	54.80	55.81	.....	.....	.....
17	46.70	47.36	48.04	49.12	51.61	54.33	.....	54.86	55.70	.....	.....	.....
18	46.67	48.03	48.06	49.58	51.77	.....	53.62	54.97	55.67	.....	.....	.....
19	46.72	48.14	47.92	.....	51.68	54.36	53.60	54.98	55.75	.....	.....	.....
20	46.72	47.40	47.85	49.60	.....	54.55	53.68	54.95	55.80	.....	.....	.....
21	46.65	47.60	48.05	49.69	51.52	54.60	53.90	55.00	55.71	.....	.....	.....
22	47.00	47.58	48.27	49.78	51.86	54.55	54.04	55.22	55.74	.....	.....	.....
23	47.00	47.31	48.40	49.88	51.75	54.54	54.02	55.23	56.00	.....	.....	.....
24	46.92	47.40	48.38	50.12	51.82	54.65	53.93	55.19	56.06	.....	.....	.....
25	46.72	47.61	48.21	50.22	52.04	54.50	54.09	.....	55.99	.....	.....	.....
26	46.78	47.68	.....	50.24	52.24	54.28	54.25	55.53	55.94	.....	.....	.....
27	47.06	47.60	48.44	50.16	52.40	54.40	54.29	55.55	55.80	.....	.....	.....
28	46.99	47.38	48.28	50.18	52.36	54.15	54.16	55.52	55.79	.....	.....	.....
29	46.89		48.21	50.12	52.52	54.16	54.11	55.30	55.84	.....	.....	.....
30	46.80		48.43	50.41	52.60	54.02	54.28	55.53	55.80	.....	.....	.....
31	47.07		48.56		52.59		54.35	55.51		.....		.....

h Tape measurement.

(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: 1935-53.

Daily noon water level above lsd from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	57.6	58.0	58.7	57.8	52.0	41.0	....	41.0	....	50.7	....
2	....	57.5	58.1	....	58.2	52.0	42.2	....	40.8	....	50.9	....
3	....	57.6	57.9	58.7	58.5	51.7	42.5	....	40.7	....	50.9	....
4	....	57.5	57.7	....	58.2	51.9	42.5	....	40.6	....	49.5	
5	....	57.5	57.2	59.5	....	51.8	42.8	45.0	40.0	....	50.3	....
6	....	57.5	57.7	60.3	58.8	51.6	43.0	45.2	39.5	43.0	50.5	....
7	....	57.5	58.3	60.4	58.8	51.5	43.0	45.4	39.7	44.0	50.4	....
8	57.0	57.5	58.1	60.2	58.5	51.8	43.6	45.0	....	44.6	49.2	....
9	56.9	57.4	58.4	60.2	58.0	52.0	44.2	45.2	....	45.0	49.0	....
10	57.0	....	58.3	60.1	58.0	52.0	44.8	45.8	....	45.2	49.2	....
11	57.4	57.7	58.1	59.9	58.4	....	44.9	45.4	....	45.3	50.8	....
12	57.5	57.8	57.9	59.9	58.0	....	44.0	....	....	45.8	50.8	....
13	57.5	57.5	57.2	59.5	58.0	....	42.7	45.0	....	46.0	50.9	....
14	57.3	57.5	57.9	59.5	58.4	....	....	45.0	....	46.0	50.8	....
15	57.1	57.5	57.1	59.2	57.9	....	....	45.0	....	46.0	51.0	....
16	56.7	57.7	57.7	59.5	57.8	....	....	45.2	....	46.0	51.0	....
17	....	....	57.8	59.5	58.0	....	....	45.6	....	46.0	51.0	....
18	....	58.0	57.4	59.5	58.2	....	....	45.8	....	46.2	51.0	....
19	....	58.2	57.9	59.7	58.4	....	....	45.8	....	46.7	51.0	....
20	57.4	58.3	57.0	60.3	57.5	....	....	45.9	....	46.2	50.8	....
21	57.5	58.1	57.7	59.8	57.4	....	....	46.0	....	46.7	51.0	....
22	57.3	58.0	57.7	59.0	57.0	....	....	45.8	....	48.8	51.0	....
23	57.4	58.2	57.1	59.0	57.0	....	....	42.8	....	48.9	51.0	....
24	57.3	58.1	57.5	59.2	53.8	....	....	42.7	....	48.8	51.0	....
25	57.4	58.1	57.8	59.4	51.8	....	....	41.8	....	49.0	....	....
26	57.7	58.3	57.6	59.2	52.0	....	42.0	41.7	....	49.0	....	....
27	....	58.3	58.1	59.2	51.8	....	43.6	41.0	....	49.0	....	....
28	....	58.3	58.5	59.0	50.8	....	43.8	41.0	....	49.0	....	....
29	....		....	59.0	49.0	....	....	....	....	49.0	51.3	....
30	....		58.9	58.8	50.0	....	....	....	....	49.0	....	....
31	....		59.0		51.8		....	41.0		49.0		....

(D-5-1)20aba-2. State claim 6861. Jacob G. Cox. Jetted unused artesian well in alluvium, diameter $2\frac{1}{2}$ 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: 1935-53.

Daily noon water level above lsd from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	36.1	36.7	37.1	32.0	21.3	14.5	17.5	14.9	17.2	28.5	30.3
2	....	36.0	36.7	37.2	32.2	20.9	14.9	16.6	14.7	17.6	29.6	30.0
3	....	36.1	36.7	37.3	32.3	19.9	15.1	15.6	14.6	16.8	28.5	30.1
4	....	36.0	36.6	37.1	32.2	19.5	15.1	16.5	14.2	18.0	28.6	29.9
5	....	36.2	36.7	37.1	32.7	18.9	15.2	19.0	14.0	18.1	28.8	....
6	....	36.5	36.6	36.7	30.4	17.7	16.0	18.5	14.3	19.5	28.8	....
7	....	36.6	36.5	36.6	29.2	18.7	16.2	18.6	14.1	19.8	29.1	....
8	34.0	36.4	36.7	36.6	28.9	20.0	16.2	19.0	14.0	20.5	29.1	....
9	34.1	36.5	36.7	36.5	28.4	20.0	15.4	18.5	14.3	21.0	29.2	....
10	34.1	36.6	36.9	36.6	28.2	19.9	14.7	17.8	14.4	20.7	29.5	....
11	34.0	36.7	36.4	36.9	28.2	18.8	15.5	17.0	14.5	20.8	29.6	....
12	34.2	36.7	36.8	36.5	28.3	18.4	15.7	16.3	14.5	21.3	29.6	....
13	34.3	36.9	36.9	36.5	28.0	18.3	16.2	16.2	14.6	21.5	29.8	....
14	34.7	36.7	36.8	36.3	27.4	17.6	16.4	16.3	15.2	22.6	29.9	....
15	34.7	36.7	37.0	35.8	27.3	17.1	16.0	15.3	15.4	22.7	29.8	....
16	34.9	36.8	36.8	35.8	26.0	17.3	15.8	15.4	15.3	24.0	29.9	....
17	35.9	37.0	37.0	35.4	25.9	17.5	16.0	16.0	15.4	23.9	30.0	....
18	35.9	36.7	36.9	35.6	24.3	17.6	16.3	16.9	15.7	24.7	29.8	....
19	36.1	36.9	37.1	35.6	23.9	16.7	16.2	17.0	16.2	24.9	29.7	....
20	36.9	36.9	37.0	35.5	24.4	15.8	16.6	16.2	16.3	25.1	....	....
21	36.7	36.7	37.0	35.3	24.7	15.6	15.8	16.3	16.2	25.5	....	....
22	35.2	36.9	37.1	35.0	24.2	15.9	15.5	15.9	15.7	25.8	....	....
23	36.6	36.7	36.9	34.9	25.7	15.6	15.5	16.3	15.6	26.1	....	....
24	36.5	36.8	37.0	34.3	24.9	14.4	16.1	14.6	15.5	26.2	....	....
25	36.6	36.9	36.9	32.8	23.3	14.6	16.4	14.8	15.8	26.4	30.0	....

(D-5-1)20aba-2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	36.6	36.9	37.2	29.9	22.6	15.0	18.2	15.0	15.8	26.7	29.9	....
27	36.7	36.9	37.1	29.2	21.9	14.9	19.2	15.0	16.5	27.3	30.0	....
28	36.7	36.7	37.1	29.8	21.1	14.9	19.7	15.4	16.5	27.5	30.1	....
29	36.3		36.9	30.3	21.2	15.0	17.8	15.7	16.7	27.7	30.0	....
30	36.6		36.9	31.0	21.9	14.3	17.8	15.2	17.0	28.0	30.1	....
31	36.2		37.2		21.4		....	15.3		28.1		....

(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: 1940-53. Apr. 22, +32.6; Dec. 1, +22.1.

(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: 1940-53. Apr. 21, 40.88; Dec. 1, 36.42.

(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. Dec. 8, +14.3.

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 4,498.5 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. Dec. 8, +15.5

(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: 1937-53. Apr. 21, +37.8.

(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: 1935-53. Apr. 21, +31.1; Dec. 8, +30.6.

(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: 1940-53. Apr. 21, 1.71; Dec. 8, 1.86.

(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: 1935-53. Apr. 21, +16.9.

Wasatch County

Heber Valley

(D-2-5)20cc. Lee Bros. 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: 1936-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	26.10	Apr. 21	26.50	Aug. 26	26.52	Nov. 21	26.44
Feb. 24	23.40	May 27	26.18	Sept. 23	27.00	Dec. 8	26.51
Mar. 19	26.23	June 26	26.36	Oct. 23	25.48	18	26.70
Apr. 3	26.27	July 21	26.80				

(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 10.82 below lsd, Mar. 9, 1942. Records available: 1936-53. Apr. 3, 10.15; Dec. 9, 6.95.

Washington County

Escalante Valley

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

(C-37-18)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, 1947-53. Mar. 20, 86.52; June 22, 114.00, pumping; July 1, 116.20, pumping; Aug. 14, 125.20, pumping; Oct. 7, 102.70; Dec. 6, 100.45.

(C-37-17)12bdc-1. (Formerly 12cbc-1.) Charles Sides. Drilled irrigation artssian 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. Rscords available: 1941-53. Mar. 20, 31.36; June 21, 36.40; July 2, 48.50, pumping; Aug. 14, 51.50, pumping; Dec. 6, 34.16.

(C-37-17)14adc-1. John C. Bosshardt. Dug stock water-tabls well in alluvium, diameter 4 feet, dspth 60 feet. Highest water level 31.84 bslow lsd, Mar. 21, 1947; lowest 47.25 below lsd, Oct. 16, 1951. Rscords available: 1941-53. Mar. 20, 41.68; Dec. 6, 46.00.

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 44.65 below lsd, Dec. 7, 1951. Records available: 1947-53. Mar. 14, 42.59.

(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: 1947-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	....	....	2.89	3.13	4.88	6.00	6.96	7.81	7.30	7.77
2	....	....	....	....	2.27	3.30	4.97	6.01	7.00	7.70	7.20	7.83
3	....	....	....	....	1.90	3.43	5.06	6.02	7.06	7.57	7.15	7.88
4	....	....	....	....	2.28	3.42	5.13	6.05	7.13	7.45	7.10	7.94
5	....	....	....	....	2.31	3.47	5.14	6.20	7.16	7.37	7.06	8.03
6	....	....	....	....	2.34	3.56	5.20	6.25	7.21	7.29	7.03	8.00
7	....	....	....	....	2.51	3.61	5.24	6.31	7.24	7.34	6.98	8.03
8	....	....	....	....	2.65	3.68	5.28	6.36	7.28	7.38	7.34	8.05
9	....	....	....	....	2.78	3.74	5.17	6.37	7.33	7.41	7.58	8.12
10	....	....	....	....	2.84	3.77	5.22	6.39	7.36	7.36	7.64	8.05
11	....	....	....	1.90	2.89	3.86	5.36	6.42	7.40	7.32	7.70	7.62
12	....	....	....	2.25	2.70	3.96	5.47	6.45	7.44	7.28	7.80	7.25
13	....	....	....	1.87	2.50	3.86	5.49	6.47	7.49	7.55	7.87	7.50
14	....	....	2.36	2.16	2.64	3.84	5.56	6.51	7.53	7.78	7.95	7.64
15	....	....	....	2.15	2.64	3.80	5.63	6.51	7.55	7.71	8.03	7.70
16	....	....	....	2.27	2.77	3.91	5.66	6.55	7.57	7.57	8.05	7.71
17	....	....	....	2.34	2.87	4.01	5.69	6.56	7.55	7.44	8.06	7.74
18	....	....	....	2.48	2.96	4.10	5.73	6.59	7.91	7.33	8.07	7.73
19	....	....	....	2.59	2.56	4.14	5.76	6.63	7.92	7.28	8.08	7.55
20	....	....	....	2.67	2.43	4.23	5.77	6.66	7.85	7.24	8.10	7.57
21	....	....	....	2.73	2.47	4.35	5.79	6.71	7.77	7.28	8.12	7.57
22	....	....	....	2.36	2.54	4.42	5.84	6.74	7.67	7.43	7.78	7.05
23	....	....	....	2.64	2.70	4.44	5.88	6.77	7.57	7.45	6.63	6.52
24	....	....	....	2.74	2.77	4.53	5.93	6.81	7.50	7.40	6.95	6.62
25	....	....	....	2.82	2.89	4.55	5.96	6.73	7.49	7.30	7.12	6.39
26	....	....	....	2.83	3.14	4.50	6.01	6.63	7.76	8.15	7.30	6.46
27	....	....	....	2.85	3.22	4.47	6.06	6.72	7.61	7.91	7.43	6.36
28	....	....	....	2.86	3.21	4.60	6.09	6.80	7.45	7.70	7.58	6.27
29	....		....	2.86	3.27	4.72	6.05	6.85	7.47	7.55	7.67	6.31
30	....		....	2.89	3.30	4.79	5.94	6.89	7.73	7.52	7.73	6.41
31	....		....		3.37		5.98	6.93		7.37		6.35

(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. Mar. 15, 19.04.

(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: 1947-53. Mar. 14, 21.36.

(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: 1949-53. Mar. 14, 24.83; Dec. 7, 30.64.

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 14.96 below lsd, Dec. 9, 1950. Records available: 1936-53. Mar. 16, 14.08; Dec. 15, 14.91.

(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: 1948-53. Mar. 16, 20.33; Dec. 15, 15.80.

(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: 1936-53. Mar. 16, 2.23.

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 0.02 below lsd, Oct. 10, 1948. Records available: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	+6.05	Mar. 27	+7.15	May 26	+6.95	Aug. 4	+3.11
Mar. 2	+7.25	Apr. 28	+7.45	July 1	+4.65	Dec. 10	+3.55

(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: 1936-53.

Jan. 23	+40.9	Apr. 28	+42.0	Aug. 4	+36.0	Oct. 29	+38.2
Mar. 2	+41.2	May 26	+42.3	27	+37.4	Dec. 10	+38.4
27	+42.2	July 1	+39.1	Oct. 1	+37.6		

(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: 1937-53.

Jan. 23	+38.1	Apr. 28	+39.7	Aug. 4	+37.0	Oct. 29	+36.8
Mar. 2	+39.1	May 26	+40.0	26	+34.2	Dec. 10	+35.9
27	+39.1	July 1	+36.8	Oct. 6	+35.4		

(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 49.62 below lsd, Sept. 7, 1948. Records available: 1938-53.

Jan. 22	43.96	Apr. 23	43.09	July 29	44.43	Oct. 27	46.00
Feb. 25	43.87	May 26	42.47	Aug. 25	45.79	Dec. 8	45.33
Mar. 25	43.49	June 25	42.57	Sept. 30	46.66		

(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 22.7 above lsd, Dec. 31, 1953; lowest 9.3 above lsd, Sept. 16, 1948. Records available: 1943-53.

Daily noon water level above lsd from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	21.0	21.4	21.5	21.8	19.8	....	19.5	19.2	21.4	21.4
2	....	....	20.5	21.5	21.4	22.0	19.6	....	19.5	19.1	21.5	21.4
3	....	19.4	20.6	21.4	21.5	22.1	19.7	....	19.5	19.1	21.5	21.5
4	....	19.4	20.8	21.4	21.5	22.2	19.8	....	19.5	19.0	21.6	21.6
5	....	19.4	21.0	21.4	21.8	21.8	20.1	20.0	19.4	18.8	21.7	21.6
6	....	19.4	20.9	21.4	21.4	22.0	20.2	20.0	19.5	19.0	21.7	21.8
7	....	19.4	20.8	21.3	21.4	21.9	19.8	19.8	19.5	19.0	21.7	22.1
8	....	19.4	20.9	21.4	21.4	21.9	19.7	19.4	19.8	19.1	21.7	22.1
9	....	19.1	21.0	21.3	21.4	21.9	19.6	20.8	19.9	18.7	21.8	22.2
10	....	18.5	21.1	21.2	21.3	22.4	19.9	20.5	19.7	18.9	21.9	22.4
11	....	19.2	21.0	20.7	21.4	22.4	20.2	21.7	19.8	18.9	22.0	22.3
12	....	19.0	21.2	21.0	21.4	22.4	20.4	21.2	19.9	18.5	22.1	22.3
13	....	19.1	21.1	21.4	21.4	22.3	20.6	21.8	19.9	18.8	22.1	22.3
14	....	19.2	20.7	21.4	21.6	22.3	20.2	22.2	19.8	19.4	22.1	22.3
15	....	18.7	21.0	21.4	21.6	22.0	19.9	22.0	19.8	19.6	22.2	22.4
16	....	18.9	21.1	21.6	21.5	22.1	19.8	21.8	19.6	19.7	22.2	22.5
17	....	19.2	21.1	21.6	21.4	22.1	19.7	20.8	19.6	20.0	22.1	22.5
18	....	19.3	21.1	21.4	21.6	22.1	19.2	20.8	19.4	20.1	22.2	22.5
19	....	....	21.3	21.4	21.5	22.1	19.2	20.8	19.3	20.4	22.2	22.5
20	....	....	21.1	21.4	21.3	21.7	19.2	20.7	19.4	20.5	22.3	22.5
21	....	....	21.2	21.4	21.5	21.7	19.1	20.7	19.5	20.5	22.3	22.5
22	....	....	21.2	21.4	21.5	21.8	19.1	20.2	19.2	20.6	22.3	22.5
23	....	....	21.2	21.4	....	22.0	18.6	20.2	19.1	20.6	22.3	22.5
24	....	....	21.4	21.4	....	21.1	18.6	20.0	19.1	20.7	21.8	22.6
25	....	....	21.4	21.4	21.7	20.6	18.6	19.7	19.0	20.9	21.6	22.6
26	....	18.9	21.4	21.6	....	20.4	18.5	19.7	19.1	21.0	21.4	22.6
27	....	20.9	21.4	21.5	....	20.1	18.4	19.6	19.2	21.0	21.0	22.6
28	....	21.2	21.5	21.5	....	20.2	18.4	19.6	19.2	21.0	21.0	22.6
29	....		21.4	21.5	....	20.0	....	19.7	19.2	21.1	21.3	22.6
30	....		21.3	21.5	....	20.4	....	19.9	19.2	21.2	21.4	22.6
31	....		21.4		....		....	20.0		21.3		22.7

(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 31.86 below lsd, Oct. 3, 1947. Records available: 1943-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	28.07	27.66	27.20	26.94	27.63	29.04	30.21	30.86	30.25	29.67
2	.....	.....	28.13	27.68	27.26	26.97	27.76	29.03	30.27	30.85	30.21	29.67
3	.....	.....	28.21	27.65	27.28	26.97	27.87	29.03	30.29	30.90	30.19	29.65
4	.....	.....	28.25	27.63	27.29	26.92	27.97	29.00	30.34	30.85	30.15	29.51
5	.....	.....	28.21	27.59	27.21	26.94	28.07	28.99	30.35	30.82	30.08	29.60
6	.....	.....	28.22	27.57	27.16	26.97	28.16	28.98	30.42	30.81	30.09	29.56
7	.....	.....	.....	27.56	27.10	26.92	28.20	29.02	30.47	30.86	30.12	29.45
8	.....	.....	.....	27.52	27.11	26.90	28.26	29.04	30.50	30.94	30.10	29.49
9	.....	.....	.....	27.56	27.12	26.91	28.38	29.07	30.58	30.91	30.00	29.48
10	.....	.....	.....	27.51	27.18	26.96	28.44	29.11	30.63	30.88	29.99	29.35
11	.....	.....	.....	27.53	27.20	26.97	28.45	29.27	30.68	30.84	29.94	29.40
12	.....	.....	28.08	27.53	27.20	26.97	28.49	29.31	30.70	30.91	29.93	29.37
13	.....	.....	.....	27.45	27.19	26.99	28.45	29.41	30.73	30.90	29.92	29.35
14	.....	.....	.....	27.49	27.15	26.98	28.51	29.49	30.74	30.91	29.96	29.20
15	.....	.....	.....	27.50	27.13	27.05	28.58	29.54	30.76	30.95	29.92	.....
16	.....	.....	.....	27.41	27.13	26.97	28.63	29.57	30.79	30.99	29.85	.....
17	.....	.....	.....	27.37	27.14	27.02	28.64	29.62	30.78	30.95	29.77	.....
18	.....	.....	.....	27.40	27.17	26.97	28.72	29.68	30.83	30.88	29.80	.....
19	.....	.....	27.93	27.35	27.09	27.00	28.81	29.83	30.81	30.79	29.89	.....
20	.....	.....	27.90	27.28	27.02	26.92	28.84	29.90	30.78	30.78	29.85	.....
21	.....	.....	27.89	27.28	26.97	26.94	28.88	29.97	30.72	30.77	29.89	29.10
22	.....	.....	27.88	27.28	27.03	26.95	28.89	30.06	30.70	30.77	29.81	.....
23	.....	.....	27.87	27.25	26.98	27.00	28.90	30.10	30.74	30.71	29.80	.....
24	.....	.....	27.84	27.28	26.93	27.09	28.92	30.06	30.75	30.54	29.81	.....
25	.....	.....	27.99	27.27	26.93	27.18	28.97	30.06	30.67	30.49	29.78	.....

(B-6-1)30cca-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	.....	.....	27.80	27.25	26.98	27.26	29.02	30.09	30.75	30.48	29.76	.....
27	....	28.21	27.79	27.15	26.97	27.38	29.02	30.12	30.81	30.44	29.77	.....
28	.....	28.13	27.72	27.15	26.92	27.45	29.06	30.11	30.84	30.41	29.81	28.95
29	.....		27.68	27.19	26.92	27.52	29.09	30.11	30.90	30.33	29.81	28.96
30	.....		27.70	27.16	26.92	27.55	29.07	30.17	30.90	30.31	29.66	29.01
31	.....		27.71		26.91		29.00	30.18		30.29		28.94

(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 18.0 above lsd, Oct. 29, 1947. Records available: 1937-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	+27.3	Apr. 23	+27.2	July 31	+25.8	Oct. 28	+25.2
Feb. 26	+27.4	May 26	+27.4	Aug. 26	+25.3	Dec. 9	+25.6
Mar. 26	+27.4	July 1	+27.0	Sept. 30	+24.4		

(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: 1935-53.

Jan. 23	+27.1	Apr. 26	+27.3	July 31	+27.6	Oct. 28	+27.7
Feb. 26	+24.7	May 27	+27.5	Aug. 26	+27.7	Dec. 9	+27.8
Mar. 26	+27.1	July 1	+28.2				

(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: 1943-53.

Jan. 21	+18.8	Apr. 22	+22.5	July 28	+24.4	Oct. 27	+31.5
Feb. 25	+17.0	May 25	+24.5	Aug. 25	+24.7	Dec. 8	+16.3
Mar. 24	+14.1	June 24	+22.7	Sept. 29	+31.3		

(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: 1945-53.

Jan. 22	+34.2	Apr. 23	+36.0	July 31	+35.4	Oct. 28	+32.9
Feb. 26	+33.9	May 27	+39.9	Aug. 26	+36.6	Dec. 9	+36.8
Mar. 26	+35.3	July 1	+38.1	Oct. 1	+37.1		

(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: 1943-53.

Jan. 22	+35.1	Apr. 22	+35.5	July 29	+31.2	Oct. 27	+36.9
Feb. 25	+34.3	May 26	+35.8	Aug. 25	+31.6	Dec. 8	+36.3
Mar. 25	+35.3	June 25	+32.1	Sept. 30	+32.9		

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: 1935-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.31	31.30	26.30	26.71	20.03	16.86	21.94	.....	.....	.....	.....	37.42
2	31.31	31.32	26.46	26.53	19.84	16.83	.....	.....	.....	.....	.....	37.45
3	31.31	31.32	26.60	26.36	19.70	16.81	.....	.....	.....	.....	34.84	37.48
4	31.30	31.33	26.72	26.20	19.61	16.85	.....	.....	.....	.....	34.89	37.51
5	31.30	31.33	26.82	26.06	19.52	16.97	.....	.....	.....	.....	34.96	37.53
6	31.29	31.33	26.90	25.93	19.41	17.09	.....	.....	.....	.....	35.03	37.56
7	31.29	31.04	26.97	25.76	19.25	17.21	.....	.....	.....	.....	35.12	37.58
8	31.29	30.50	27.03	25.62	19.00	17.30	.....	.....	.....	.....	35.22	37.59
9	31.29	30.24	27.07	25.50	18.73	17.38	.....	.....	.....	.....	35.22	37.61
10	31.28	30.00	27.10	25.37	18.54	17.47	.....	.....	.....	.....	35.45	37.63

(A-6-1)11dc-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	31.28	29.86	27.13	25.26	18.43	17.56	.....	.....	.....	.....	35.58	37.64
12	31.28	29.75	27.15	25.15	18.34	17.74	.....	.....	.....	.....	35.71	37.66
13	31.27	29.67	27.17	25.04	18.28	18.06	.....	.....	.....	.....	35.82	37.67
14	31.26	29.60	27.17	24.94	18.22	18.66	.....	.....	.....	.....	35.93	37.68
15	31.25	29.53	27.18	24.84	18.16	19.08	.....	.....	.....	.....	36.07	37.69
16	31.25	29.58	27.19	24.73	18.19	19.43	.....	.....	.....	.....	36.24	37.69
17	31.24	29.44	27.20	24.62	18.27	19.75	.....	.....	.....	.....	36.36	37.69
18	31.23	29.40	27.21	24.51	18.32	20.05	.....	.....	.....	.....	36.48	37.69
19	31.20	29.36	27.22	24.41	18.36	20.30	.....	.....	.....	.....	36.61	37.69
20	31.16	.....	27.23	24.30	18.22	20.54	.....	.....	.....	.....	36.72	37.69
21	31.11	21.85	27.23	24.18	17.77	20.72	.....	.....	.....	.....	36.82	37.69
22	31.11	22.35	27.23	24.02	17.54	20.88	.....	.....	.....	.....	36.92	37.68
23	31.14	23.43	27.23	23.75	17.41	21.01	.....	.....	.....	.....	37.00	37.67
24	31.16	24.29	27.23	23.74	17.31	21.13	.....	.....	.....	.....	37.08	37.66
25	31.18	24.97	27.23	23.74	17.21	21.25	.....	.....	.....	.....	37.16	37.65
26	31.21	25.43	27.22	23.71	17.14	21.37	.....	27.96	.....	.....	37.21	37.63
27	31.23	25.80	27.20	23.67	17.11	21.49	.....	.....	.....	.....	37.26	37.62
28	31.24	26.08	27.16	23.22	17.03	21.61	.....	.....	.....	.....	37.31	37.61
29	31.26		27.11	21.00	16.98	21.72	.....	.....	.....	.....	37.35	37.61
30	31.28		27.03	20.30	16.93	21.83	.....	.....	.....	.....	37.38	37.61
31	31.29		26.89		16.89		.....	.....		.....		37.61

(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: 1932-53.

Daily noon water level,above and below lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-4.49	-4.74	-2.86	-0.46	+5.22	+8.08	+6.36	....	-1.85	-3.67	....	....
2	4.55	4.69	2.91	.34	5.29	8.08	6.28	....	2.01	3.77	....	....
3	4.57	4.66	2.95	.17	5.39	8.06	6.18	....	2.06	3.87	....	....
4	4.62	4.58	2.96	-.02	5.46	7.97	6.05	....	2.16	3.88	-4.04	....
5	4.63	4.53	2.89	+.13	5.56	7.82	5.92	....	2.34	3.91	4.01	....
6	4.65	4.41	2.92	.36	5.79	7.85	5.78	....	2.36	3.91	4.07	....
7	4.73	4.26	2.92	.47	6.14	7.91	5.67	....	2.37	3.93	4.16	....
8	4.83	4.05	2.83	.58	6.44	7.91	5.57	....	2.38	3.94	4.14	....
9	4.87	3.99	2.72	.60	6.79	7.88	5.45	....	2.51	3.94	4.11	....
10	4.91	3.95	2.62	.83	6.72	7.75	5.30	....	2.58	3.93	4.08	....
11	4.95	3.85	2.59	.88	6.73	7.83	5.19	....	2.65	3.94	4.13	....
12	4.98	3.79	2.53	.98	6.74	7.64	5.07	....	2.70	4.01	4.12	....
13	5.01	3.72	2.42	1.10	6.75	7.47	4.95	....	2.78	4.09	4.13	....
14	5.02	3.67	2.45	1.21	6.85	7.33	4.86	....	2.84	4.12	4.15	....
15	5.15	3.58	2.40	1.24	6.98	7.31	4.81	....	2.87	4.11	4.24	....
16	5.19	3.59	2.39	1.33	6.99	7.32	4.71	....	2.88	4.16	4.26	....
17	5.20	3.54	2.37	1.56	7.07	....	4.51	....	2.95	4.15	4.21	....
18	5.15	....	2.28	1.59	7.30	....	4.33	....	3.08	4.17	4.22	....
19	4.93	....	2.16	1.65	7.46	7.28	4.16	....	3.14	....	4.22	....
20	4.74	....	2.07	1.82	7.81	7.19	....	....	3.16	....	4.22	....
21	4.72	....	2.06	1.96	7.93	7.17	....	....	3.19	....	4.23	....
22	4.88	2.75	2.05	2.16	7.84	7.16	....	....	3.22	....	4.25	....
23	4.95	2.94	2.02	2.42	7.84	7.17	....	....	3.31	....	....	....
24	4.98	3.02	1.92	2.56	7.88	7.07	....	....	3.32	....	....	....
25	4.96	3.07	1.72	2.88	7.88	7.00	....	....	3.35	....	....	....
26	4.96	3.08	1.61	3.30	7.92	6.94	....	....	3.40	....	....	....
27	4.98	3.02	1.44	3.87	7.93	6.92	....	....	3.44	....	....	....
28	4.92	2.97	1.23	4.30	8.04	6.77	....	-1.15	3.50	....	....	....
29	4.87		1.02	4.88	8.07	6.68	....	1.31	3.57	....	....	....
30	4.83		.86	5.17	8.13	6.53	....	1.41	3.65	....	....	....
31	4.84		.57		8.14		....	1.67		....		....

WASHINGTON

By Glen D. Holmberg

Scope of Water-Level Program

The observation-well program in Washington was continued in 1953 in cooperation with the State Department of Conservation and Development, Water Resources Division. Included in this report are measurements of one lake and 112 wells, 23 of which are included for the first time. Nine recording and eight nonrecording gages were operated during the year. Additional wells, not included in the report, were measured periodically in several areas in connection with investigations of the ground-water resources of counties or other areas. Investigational projects include the Seattle metropolitan area in King County, Tacoma-Central Pierce County area, Lewis County, Whitman County, and the Columbia Basin area. Ground-water investigations completed include those in the Sammamish Lake area of King County and the Ahtanum Valley area of Yakima County. Two reports, "Ground water in the lower Ahtanum Valley, Washington, and possible effects of increased withdrawal in that area", and "Ground water in the Yelm area, Thurston and Pierce Counties", were released to open file. Water-Supply Paper 1135, "Ground-water resources of Snohomish County, Washington," was published. (See fig. 27 for location of observation wells.)

Precipitation

The Cascade Range divides the State into eastern and western parts which have distinctly different climatic conditions. Annual precipitation in most of the eastern part of the State generally ranges from 7 to 15 inches except along the eastern border and in the southeastern corner. Average precipitation in these two areas 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 1953. Records of the Olympia station are representative of western Washington and 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, 1953, at 10 representative stations; and also the ratio, in percent, of the 1953 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)	1953 (inches)	Normal (inches)	1953 (inches)	Normal (inches)	1953 (inches)
January	6.69	19.84	1.20	3.01	1.72	4.56
February	6.16	5.12	.82	.43	1.46	1.07
March	4.50	3.55	.56	.22	1.34	1.77
April	2.34	2.58	.42	1.39	.99	1.48
May	1.66	2.72	.49	1.19	1.04	1.59
June	1.28	1.50	.70	.62	1.17	.81
July	.72	.27	.14	.01	.36	T
August	.66	1.63	.22	1.60	.49	1.36
September	1.80	2.68	.47	.07	.93	.50
October	4.50	6.85	.67	.15	1.33	.19
November	6.77	7.79	1.35	.84	1.88	2.00
December	8.66	9.42	1.47	1.21	2.21	1.90
Annual	45.74	63.95	8.51	10.74	14.92	17.23
Percent of normal		139.81		126.20		115.48

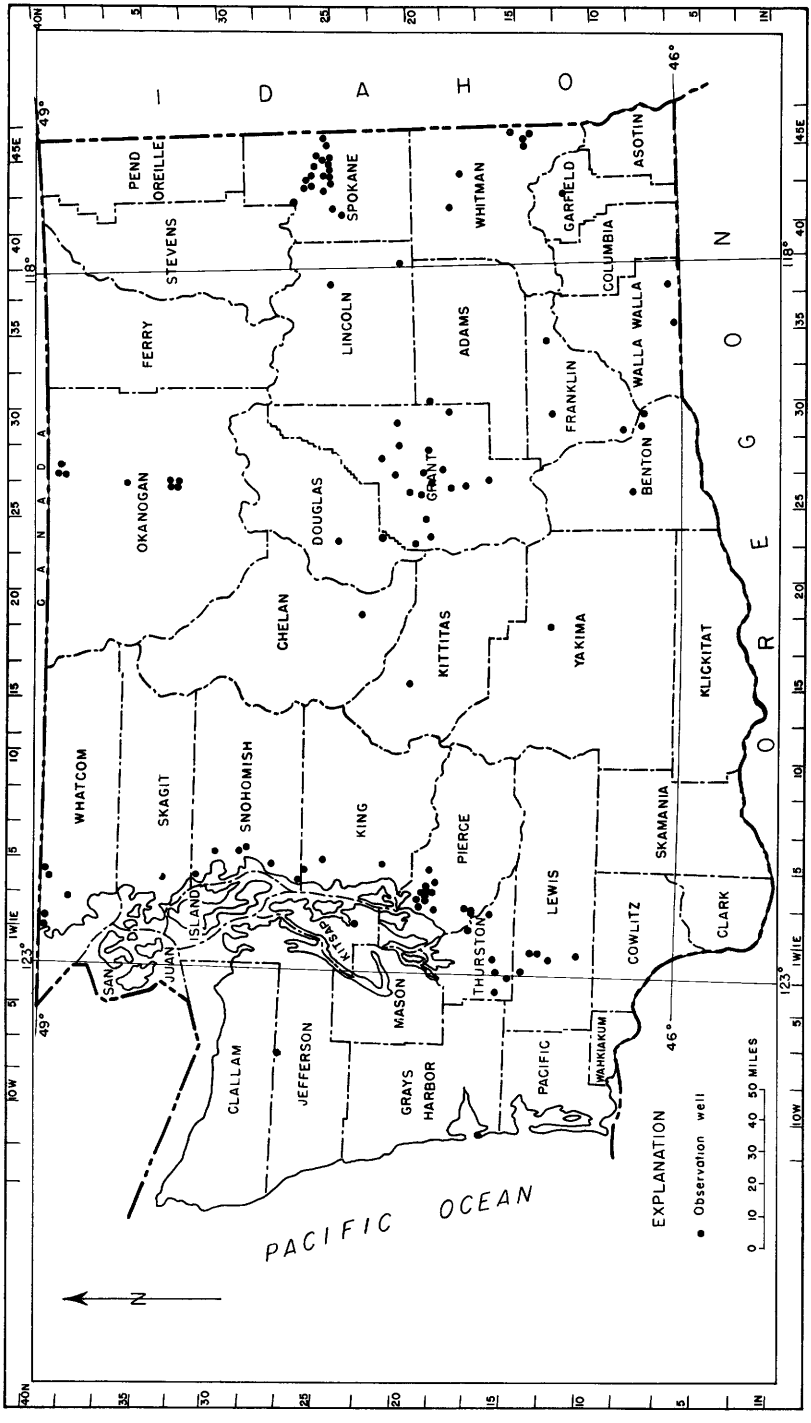


Figure 27.--Location of observation wells in Washington, 1953.

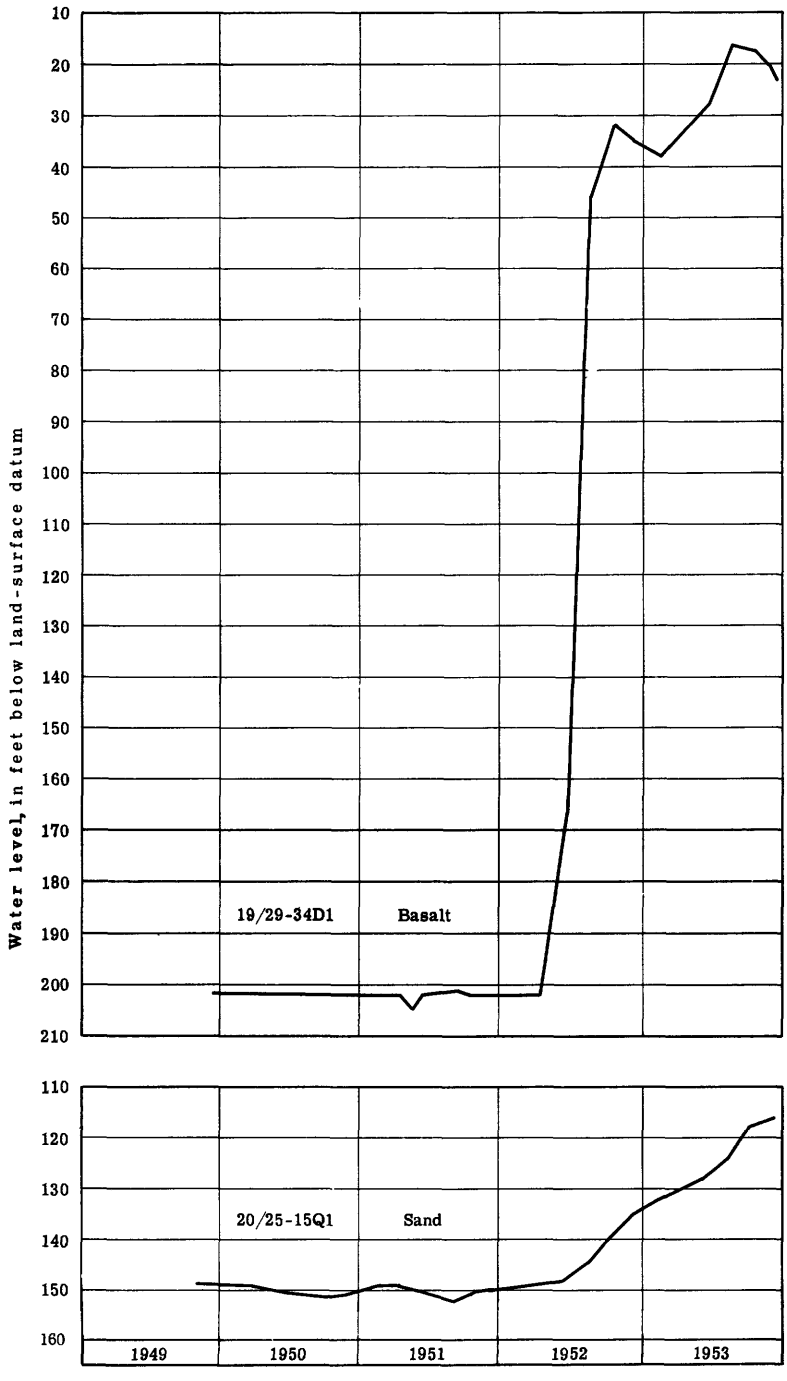


Figure 28. --Hydrographs of wells 19/29-34D1 and 20/25-15Q1 in the Columbia Basin project area showing the effect of recharge from irrigation, 1949-53.

Annual precipitation at ten selected stations

Province	Station and County	Annual normal (inches)	1953	
			(inches)	Percent of normal
North Coast Ranges	Port Angeles, Clallam	27.36	29.88	109.21
	Aberdeen, Grays Harbor	82.96	99.29	119.68
Puget-Willamette Trough	Olga, San Juan	28.98	35.52	122.57
	Seattle, King	34.28	41.34	120.59
	Vancouver, Clark	37.32	49.37	132.29
Columbia Plateau	Waterville, Douglas	11.23	10.52	93.68
	Kennewick, Benton	8.26	7.66	92.74
	Walla Walla, Walla Walla	15.07	17.85	118.45
Northern Rocky Mountains	Lakeside, Chelan	10.85	12.51	115.20
	Republic, Ferry	14.26	19.65	137.80

Interpretations of Water-Level Fluctuations

East of the Cascades precipitation is generally low to moderate; many aquifers are never full but maintain a position of equilibrium between recharge and discharge. The water table in much of the area 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.

In contrast, many of the aquifers west of the Cascades are relatively shallow; the water table is near the surface and they are filled to overflowing nearly every year. Continued heavy rainfall, after a certain point is reached, does not raise the water table any further. The water table generally reaches a maximum fairly early in the rainy season, continued rainfall holds it at that level without raising it materially. In these aquifers the annual range of fluctuation is much greater than the range due to cycles of wet and dry years.

Although the preceding two paragraphs describe the general ground-water conditions in eastern and western Washington, respectively, it should be pointed out that there are exceptions to these general conditions. Some aquifers in eastern Washington, especially in the large valleys, are shallow and respond quite rapidly to precipitation. On the other hand, some aquifers in western Washington are deeper artesian aquifers and respond much more slowly to precipitation.

Most water levels in the State were considerably below normal at the beginning of 1953 because of below-normal precipitation over the entire State during 1952. However, precipitation during January 1953 was more than twice the normal at most stations in the State and water levels in many wells began to recover rapidly. Precipitation for the remainder of the year was generally above normal, so that by the end of 1953, water levels of most wells were near or above normal, except in areas of large withdrawal.

The following examples show the water level trends in the major aquifers of the State. Well 20/3-30C2 in Tacoma is a drilled well, 244 feet deep, in sand and gravel. Water levels in this well were below average all year with new monthly minimums recorded in all months except June, October, November, and December. This well is representative of Tacoma public-supply wells. Owing to below-normal precipitation during 1952, the water level in well 30/5-22A1 in Snohomish County established a new low in January, and even though precipitation was above normal, the water level had not recovered to normal by the end of the year. The water level in well 23/1-2C2 in Kitsap County, representative of wells in glacial sand and gravel near Puget Sound, was above average during most of the year due to the above-normal precipitation. Well 23/19-4E2 in the town of Cashmere is representative of shallow wells in the river valleys on the eastern slopes of the Cascade Range. This is a dug well, 24 feet deep, in sand and gravel. The water level in this well rose considerably from the low of December 1952 but remained below normal until near the end of the year. Well 18/30-34M1 in the Columbia Basin project area of Grant County is 147 feet deep. It is characteristic of many wells in the central part of the State which obtain water from the extensive basaltic lava flows. The water level remained slightly below average during the entire year. Well 25/45-16C1 is dug 129 feet in the very permeable glacial gravels of the Spokane well. This well is representative of wells in the Spokane River valley. Water levels were average or slightly below throughout the year.

Water levels in those parts of the Columbia Basin project receiving irrigation water continued the very pronounced rise which started in 1952 when irrigation began. Significant rises in water level were observed in 25 observation wells in the Columbia Basin project. Of these, 17 showed rises of more than 20 feet directly attributable to the application of water. Figure 28 shows hydrographs of two wells, one in basalt and one in sand, showing the rising water level due to recharge from irrigation.

Water levels in selected wells, 1953

County and well number	Average yearly		All time		1953		Lowest 1953	
	Highest	Lowest	Highest	Lowest	Highest	Lowest	Above + below - 1953 lowest	Above + below - average yearly lowest
Adams								
19/31-19B1	184.21	184.43	183.97	187.00	184.01	184.17	+.13	+.26
Benton								
9/27-19G1	13.87	15.14	11.47	17.83	15.77	16.84	+.99	-1.70
Chelan								
23/19-4E2	14.35	18.39	12.58	19.22	15.72	18.87	-.12	-.48
Franklin								
9/29-25D1	31.69	36.15	28.03	38.17	29.97	34.29	+.85	+1.86
Grant								
19/26-34D1	92.44	92.80	92.20	94.25	93.42	93.83	-.13	-1.03
19/27-16N1	66.83	68.18	64.77	70.65	65.05	70.65	-4.95	-2.47
21/28-34A1	85.80	91.41	33.12	96.91	33.12	62.01	+17.05	+29.40
Kitsap								
23/1-2C2	50.87	54.64	43.20	60.32	49.92	53.65	-.84	+.99
Lincoln								
25/37-14M1	16.51	19.29	2.90	22.91	12.14	14.22	+.41	+5.07
Okanogan								
34/26-28A1	30.98	32.84	28.86	33.38	31.28	32.72	-1.02	-.06
40/27-28G1	14.93	18.02	13.35	18.61	15.02	18.50	-.37	-.48
Pierce								
19/4-7A1	17.47	35.71	13.30	36.90	15.68	36.20	-.03	-.49
20/3-35G1	179.31	181.17	178.57	182.27	180.75	181.50	-.33	-.33
Spokane								
25/42-14L1	89.78	97.98	81.73	101.24	90.21	98.78	-.66	-.80
25/45-16C1	96.74	106.62	84.56	114.53	84.56	103.44	-.26	+3.18
Whatcom								
40/1-4J1	66.65	68.86	64.92	75.23	66.75	70.10	+4.93	-1.24
Whitman								
14/45-11N1	4.30	7.76	2.39	9.48	2.90	6.90	-.30	+.86

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 preceding the hyphen indicates township and range (T. 25 N., R. 43 E.) north and east of the Willamette base line and meridian. (Because all townships in Washington are north of the Willamette base line the letter N, indicating north, is omitted; and because most of the State is east of the Willamette meridian 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 following the hyphen indicates the section (sec. 15) and the letter (P) give the 40-acre subdivision of the section as shown in the diagram. The last digit (1) is the serial 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 well would have the number 25/43-15P2.

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

Well Descriptions and Water-Level Measurements

(Water levels are 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: 1939-53. Feb. 25, 184.17; Apr. 29, 184.02; June 25, 184.06; Nov. 4, 184.01.

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. 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: 1948-53. Feb. 17, 68.24, pumping; Apr. 30, 67.19; Aug. 22, 65.55; Oct. 22, 65.27; Dec. 15, 64.84.

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 feet. 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: 1948-53. Feb. 17, 25.67; Apr. 30, 24.69; Aug. 22, 25.07, pumping; Oct. 22, 23.42; Dec. 15, 23.27.

9/27-19G1. Harold Egbert. Kiona. Dug domestic water-table well in gravel, diameter 4 feet, depth 27 feet, lined with concrete to 27 feet. 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: 1940-53. Feb. 17, 15.77; Apr. 30, 18.47, pumping; Aug. 22, 16.84; Oct. 22, 16.58; Dec. 15, 15.88.

Chelan County

23/19-4E2. City of Cashmere natatorium well. Near Sunset Ave. and Paton St., Cashmere. Dug public-supply water-table well in sand and gravel, diameter 6 feet, depth 24 feet, concrete lining to 24 feet. 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: 1945-53.

Daily water level from nonrecording gage

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.80	16.20	16.86	16.86	15.95	16.00	16.46	16.64	16.49	17.20	17.52	17.59
2	18.79	16.03	16.89	16.97	16.00	15.98	16.28	16.72	16.62	17.18	17.52	17.62
3	18.85	15.93	16.96	17.00	15.98	16.02	16.19	16.67	16.77	17.10	17.58	17.65
4	18.87	15.91	17.00	16.99	15.98	16.04	16.15	16.58	16.82	17.08	17.60	17.68
5	18.85	15.90	17.03	17.00	15.96	16.04	16.08	16.55	16.75	17.06	17.60	17.70
6	18.85	15.90	17.05	16.93	15.98	15.96	16.02	16.44	16.70	16.98	17.62	17.72
7	18.84	15.90	17.06	16.87	15.96	15.92	16.08	16.45	16.70	17.04	17.63	17.73
8	18.82	15.89	17.09	16.85	15.72	15.88	16.14	16.48	16.69	17.07	17.64	17.76
9	18.79	15.90	17.09	16.83	15.85	a16.25	16.21	16.54	16.78	17.07	17.64	17.80
10	18.19	15.94	17.13	16.78	15.94	16.07	16.20	16.58	16.89	17.05	17.62	17.69
11	18.16	15.99	17.15	16.78	16.14	16.00	16.18	16.69	16.95	17.04	17.60	17.72
12	18.10	16.04	17.17	16.77	16.24	15.94	16.16	16.70	16.85	17.03	17.59	17.70
13	18.00	16.09	17.18	16.77	16.29	15.85	16.14	16.72	16.80	17.01	17.58	17.60
14	17.87	16.18	17.22	16.81	16.32	15.83	16.14	16.84	16.77	17.02	17.51	17.58
15	17.87	16.22	17.25	16.80	16.38	15.78	16.16	16.82	16.98	17.06	17.54	17.60
16	17.84	16.24	17.30	16.82	16.43	15.84	16.18	16.67	16.92	17.10	17.54	17.61
17	17.80	16.29	17.33	16.78	16.55	15.86	.....	16.68	16.99	17.12	17.50	17.64
18	17.76	16.36	17.35	16.52	16.67	a16.85	.....	16.65	17.00	17.14	17.52	17.67
19	17.72	16.42	17.37	16.45	16.72	16.18	16.20	16.64	16.98	17.15	17.54	17.67
20	17.68	16.42	17.32	16.38	16.73	16.15	16.24	16.60	16.97	17.18	17.54	17.67
21	17.66	16.52	17.15	16.10	16.80	16.10	16.28	16.62	16.95	17.22	17.55	17.66
22	17.61	16.57	17.10	16.00	16.81	16.00	16.24	16.61	16.95	17.26	17.55	17.68
23	17.56	16.63	17.05	16.01	16.70	16.05	16.32	16.75	16.97	17.29	17.53	17.73
24	17.30	16.64	16.98	15.98	16.75	16.07	16.38	16.65	16.94	17.32	17.51	17.75
25	17.09	16.72	16.91	15.92	16.60	16.11	16.37	16.63	17.00	17.36	17.52	17.75
26	16.98	16.74	16.87	15.89	16.56	16.17	16.60	16.53	17.06	17.38	17.53	17.76
27	16.94	16.80	16.85	15.85	16.39	16.22	16.45	16.55	17.12	17.40	17.54	17.76
28	16.92	16.85	16.85	15.77	16.20	16.13	16.52	16.58	17.19	17.42	17.47	17.78
29	16.88		16.84	15.83	16.10	16.05	16.47	16.54	17.20	17.43	17.50	.....
30	16.80		16.84	15.88	16.04	a17.75	16.51	16.51	17.20	17.44	17.60	.....
31	16.50		16.83		16.02		16.56	16.48		17.48		.....

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 139.65 below lsd, Oct. 27, 1953. Records available: 1943, 1953. Apr. 27, 1943, 139.61; Apr. 27, 1953, 138.55; June 21, 138.54; Aug. 26, 139.59; Oct. 27, 139.65; Nov. 30, 139.36.

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 2.66 below lsd, Mar. 10, 1949; lowest 16.67 below lsd, July 22, 1947. Records available: 1945-53. Feb. 26, 3.52; May 1, 3.52; June 21, 3.92; Aug. 26, 9.75; Oct. 27, 6.67; Nov. 25, 5.17.

Franklin County

9/29-25D1. E. T. Lindar. Road 36 and Court St., about 2 miles northwest of Pasco. 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 28.03 below lsd, July 8, 1950; lowest 38.17 below lsd, Apr. 7, 1942. Records available: 1940-53. Feb. 25, 34.29; Apr. 30, 33.51; June 26, 30.70; Aug. 22, 29.97; Oct. 22, 30.05; Dec. 15, 30.70.

13/30-26G2. M. M. Poe. Mesa. 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: 1940-53. Feb. 25, 28.40; Apr. 30, 28.90; Aug. 11, 33.73, nearby well being pumped, Sept. 22, 30.22, nearby well being pumped; Dec. 2, 28.86.

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: 1938-53. Feb. 25, 41.09; Apr. 30, 42.11, pumping; Aug. 11, 45.27, pumping, Sept. 22, 45.70, pumping; Dec. 2, 43.97.

Garfield County

12/42-34Q1. W. E. Greatorex. Pataha. 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: 1946-53. Feb. 18, 21.78; Apr. 25, 21.88; June 19, 21.20; Aug. 23, 22.89; Oct. 23, 22.89.

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 150.24 below lsd, Dec. 1, 1953; lowest 154.45 below lsd, Oct. 3, 1949. Records available: 1949-53. Feb. 23, 150.52; Apr. 27, 150.31; June 24, 150.37; Aug. 7, 150.40; Sept. 25, 150.36; Dec. 1, 150.24.

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 102.31 below lsd, Aug. 15, 1943; lowest 108.70 below lsd, Oct. 29, 1947. Records available: 1943-53. Feb. 28, 104.14; Apr. 30, 103.40; June 26, 103.43; Aug. 11, 103.67; Sept. 22, 103.91; Dec. 2, 103.51; Dec. 16, 103.29.

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: 1949-53. Feb. 23, 222.85; Apr. 27, 222.34; June 24, 222.65; Aug. 25, 222.37; Sept. 25, 222.60; Oct. 28, 222.66; Dec. 1, 222.49.

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 107.83 below lsd, Dec. 18, 1953; lowest 141.02 below lsd, June 29, 1951. Records available: 1949-53.

19/24-24M1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 26, 1949	136.80	Aug. 8, 1950	137.27	June 29, 1951	141.02	Apr. 27, 1953	112.63
Nov. 2	137.08	Sept. 18	137.49	Aug. 29	139.56	June 23	111.54
Dec. 5	136.80	Oct. 16	137.32	Oct. 24	137.98	July 17	113.03
Jan. 10, 1950	137.67	Nov. 28	137.88	Dec. 18	137.58	Aug. 25	111.12
Mar. 15	136.99	Dec. 17	137.93	Apr. 12, 1952	139.64	Oct. 7	111.58
Apr. 27	136.90	Jan. 29, 1951	138.37	Aug. 19	139.65	28	111.07
June 2	137.29	Feb. 28	137.69	Oct. 25	121.87	Dec. 1	109.01
July 2	137.14	Apr. 7	137.41	Dec. 15	117.00	18	107.83

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 166.82 below lsd, June 23, 1953; lowest 183.41 below lsd, Sept. 18, 1950. Records available: 1949-53.

Nov. 3, 1949	181.13	Sept. 18, 1950	183.41	Aug. 29, 1951	178.86	Feb. 22, 1953	170.40
Dec. 7	178.34	Oct. 18	181.14	Oct. 27	176.62	Apr. 29	169.54
Jan. 12, 1950	176.65	Nov. 29	178.62	Dec. 18	173.89	June 23	166.82
Feb. 9	175.46	Dec. 20	177.52	Feb. 19, 1952	171.95	July 23	168.36
Mar. 14	173.29	Feb. 3, 1951	175.84	Apr. 11	171.00	Aug. 26	171.92
Apr. 26	173.80	Mar. 3	172.94	June 8	170.12	Oct. 7	172.95
June 3	173.23	Apr. 7	172.97	Aug. 23	174.87	Nov. 5	171.22
July 3	175.41	May 11	171.94	Oct. 22	176.15	30	169.89
Aug. 8	180.29	June 30	173.03	Dec. 13	172.99	Dec. 17	169.27

19/26-34D1. E. B. Cole. Drilled unused water-table well in sand, diameter 6 inches, depth 96 feet. Land-surface datum is about 1,172 feet above msl. Highest water level 92.20 below lsd, Dec. 20, 1939; lowest 94.25 below lsd, Sept. 18, 1950. Records available: 1939-53. June 23, 93.42; July 23, 93.46; Aug. 26, 93.83; Oct. 7, 93.73; Oct. 28, 93.63, Dec. 3, 93.43; Dec. 18, 94.55, 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: 1942-53.

	Water level		Water level		Water level		Water level
Feb. 22	65.05	July 22	a67.80	Oct. 7	65.72	Dec. 3	65.44
Apr. 29	a67.74	Aug. 26	a67.86	Nov. 5	a67.68	17	65.40
June 23	70.65						

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: 1939-53.

Feb. 27	57.76	July 28	a61.01	Sept. 29	58.70	Nov. 25	60.37
Apr. 29	a59.26	Aug. 18	a60.87	Nov. 4	b59.29	Dec. 17	61.01
June 25	a60.78						

a Pumping.
b Pumped recently.

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 82.00 below lsd, Nov. 5, 1953; lowest 180.30 below lsd, Sept. 19, 1950. Records available: 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 31, 1949	151.14	Oct. 19, 1950	165.30	Apr. 13, 1952	148.20	June 25, 1953	94.14
Dec. 8	147.35	Dec. 20	152.65	June 10	150.26	Aug. 5	89.22
Feb. 11, 1950	144.57	Jan. 31, 1951	148.65	Aug. 20	145.72	27	86.03
Mar. 16	143.70	Mar. 2	146.58	Oct. 22	106.05	Sept. 25	83.56
May 1	142.86	Apr. 6	145.34	Dec. 18	102.04	Nov. 5	82.00
June 3	149.86	May 7	148.60	Feb. 25, 1953	100.54	Dec. 1	82.61
July 3	162.57	June 27	169.39	Apr. 28	97.88	16	82.80
Sept. 19	180.30	Oct. 27	169.80				

19/29-34D1. Fred Radach. Drilled unused water-table well in basalt, diameter 4 inches, depth 250 feet. Land-surface datum is 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: 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 8, 1949	201.59	Oct. 17, 1950	201.72	Sept. 1, 1951	200.99	Apr. 28, 1953	37.63
Feb. 10, 1950	201.76	Nov. 27	201.75	Oct. 27	201.70	June 25	27.25
Mar. 17	201.70	Dec. 20	201.73	Apr. 15, 1952	201.72	Aug. 5	16.55
May 1	201.70	Jan. 31, 1951	201.73	June 10	166.44	27	16.03
June 3	201.75	Mar. 3	201.69	Aug. 22	45.72	Oct. 8	18.03
July 1	201.72	Apr. 8	201.73	Oct. 24	31.62	Nov. 6	20.32
Aug. 10	201.72	May 7	204.40	Dec. 18	35.09	Dec. 3	22.27
Sept. 19	201.68	June 29	201.71	Feb. 25, 1953	37.66	16	23.56

20/23-28J1. George Weber. Drilled domestic and stock water-table well in basalt, diameter 6 inches, depth 322 feet. Land-surface datum is about 1,380 feet above msl. Highest water level 229.04 below lsd, Mar. 15, 1950; lowest 245.90 below lsd, June 24, 1953. Records available: 1949-53. Feb. 27, 239.98; Apr. 29, 240.75; June 24, 245.90; Aug. 24, 242.59.

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 115.32 below lsd, Dec. 17, 1953; lowest 182.25 below lsd, July 2, 1950. Records available: 1949-53.

Nov. 4, 1949	190.19	Aug. 8, 1950	190.23	May 10, 1951	190.47	Aug. 16, 1952	161.36
Dec. 5	190.30	Sept. 18	190.21	June 30	190.24	Oct. 25	172.42
Jan. 10, 1950	190.42	Oct. 18	190.21	Sept. 1	190.19	Dec. 15	169.62
Feb. 9	190.27	Nov. 28	190.19	Oct. 24	191.38	Feb. 22, 1953	167.23
Mar. 15	190.23	Dec. 17	190.17	Dec. 18	190.58	Aug. 24	137.27
Apr. 27	190.23	Jan. 29, 1951	190.16	Feb. 19, 1952	190.16	Nov. 5	118.86
June 2	190.29	Mar. 4	190.74	Apr. 11	190.17	30	116.24
July 2	192.25	Apr. 8	190.17	June 8	190.28	Dec. 17	115.32

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 115.91 below lsd, Dec. 17, 1953; lowest 151.54 below lsd, Sept. 1, 1951. Records available: 1949-53.

Nov. 10, 1949	148.92	Sept. 18, 1950	150.74	June 30, 1951	149.64	Dec. 15, 1952	134.35
Dec. 5	148.85	Oct. 18	150.79	Sept. 1	151.54	Feb. 22, 1953	131.17
Jan. 10, 1950	148.57	Nov. 28	150.45	Oct. 24	150.60	Apr. 29	129.45
Feb. 9	148.68	Dec. 17	150.40	Dec. 18	149.22	June 24	127.69
Mar. 14	148.55	Jan. 30, 1951	149.93	Apr. 11, 1952	148.74	Aug. 26	123.28
Apr. 26	148.60	Mar. 4	148.78	June 8	147.91	Oct. 28	117.43
June 3	149.17	Apr. 8	148.53	Aug. 19	144.47	Nov. 30	116.01
July 3	149.44	May 11	149.07	Oct. 25	138.81	Dec. 17	115.91
Aug. 9	150.17						

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 118.35 below lsd, Aug. 26, 1953; lowest 163.09 below lsd, Oct. 18, 1950, Feb. 19, 1952. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 22	120.99	June 24	120.87	Aug. 26	118.35	Nov. 30	119.02
Apr. 29	122.42	Aug. 6	118.58	Nov. 5	118.52	Dec. 17	119.37

21/28-34A1. 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 33.12 below lsd, Aug. 20, 1953; lowest 96.91 below lsd, Sept. 11, 1946. Records available: 1939-53.

Feb. 24	61.39	Aug. 4	34.52	Sept. 25	35.53	Nov. 19	42.44
Apr. 28	62.01	20	33.12	Oct. 30	38.70	Dec. 16	47.80
June 22	44.44						

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 37.10 below lsd, Nov. 19, 1953; lowest 52.41 below lsd, Oct. 29, 1947. Records available: 1939-53.

Feb. 24	42.62	June 24	a52.90	Aug. 19	a37.94	Nov. 19	37.10
Apr. 28	44.60	July 28	a43.76	Oct. 27	37.12	Dec. 16	39.49

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 171.00 below lsd, Mar. 15, 1939. Records available: 1939-53. Apr. 28, 156.97; Aug. 19, 158.88; Sept. 29, 158.68; Oct. 27, 159.02; Nov. 19, 159.55.

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: 1939-53. Feb. 24, 17.08; Apr. 28, 17.17; June 22, 17.17; July 30, 17.18; Aug. 19, 17.18; Sept. 25, 17.17; Nov. 19, 17.16.

Grays Harbor County

16/11W-18N4. City of Westport. Drilled observation water-table well in coarse sand 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 8.81 below lsd, Oct. 15, 1952. Records available: 1949-53. Measurement by City Water Dept.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	6.01	Apr. 8	5.51	Aug. 10	8.11	Nov. 2	6.71
Mar. 2	4.31	July 12	7.51	Oct. 2	7.51	Dec. 2	5.61

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 3.50 below lsd, Dec. 7, 1953; lowest 8.83 below lsd, Nov. 7, 1952. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1952	5.37	Aug. 28, 1952	8.48	June 11, 1953	7.43	Sept. 16, 1953	8.24
Feb. 29	4.44	Nov. 7	8.83	July 29	6.19	Oct. 23	6.81
Apr. 30	5.13	Jan. 8, 1953	8.37	Aug. 29	7.97	Dec. 7	3.50
July 1	7.07	Mar. 26	4.70				

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, 1951-53.

Feb. 6, 1944	7.97	June 26, 1951	16.52	Jan. 7, 1952	12.81	Jan. 29, 1953	13.61
29	7.88	July 9	17.59	28	12.85	Apr. 6	13.51
Mar. 6	8.04	23	18.58	Feb. 28	11.92	May 25	14.82
13	8.09	Aug. 6	19.22	Mar. 31	11.81	June 11	15.46
July 8	8.45	27	19.60	Apr. 29	12.90	July 8	13.37
20	8.55	Sept. 10	18.07	May 28	15.41	29	12.15
Aug. 2	8.77	24	17.85	June 24	16.85	Aug. 28	11.11
Sept. 26	8.55	Oct. 8	16.12	Aug. 29	18.65	Sept. 15	10.89
Mar. 19, 1946	5.24	22	15.28	Sept. 29	18.93	Oct. 23	10.13
May 21, 1951	13.60	Nov. 5	14.83	Oct. 30	18.98	Dec. 7	9.33
28	13.62	26	14.03	Dec. 1	16.97	22	9.30
June 11	14.42	Dec. 17	13.35	31	15.75		

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 4.19 below lsd, Dec. 7, 1953; lowest 11.39 below lsd, Nov. 7, 1952. Records available: 1952-53.

Feb. 7, 1952	6.70	Aug. 28, 1952	10.59	June 11, 1953	6.60	Sept. 17, 1953	10.44
29	6.39	Nov. 7	11.39	July 29	7.79	Oct. 23	10.50
Apr. 30	6.38	Jan. 8, 1953	11.14	Aug. 28	10.11	Dec. 7	4.19
July 1	8.65	Mar. 26	9.54	Sept. 16	10.43	22	9.00

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: 1932-53.

23/1-2C2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	53.65	Mar. 21	51.83	Aug. 8	g51.55	Oct. 29	52.74
Feb. 12	53.58	July 6	49.92	Sept. 6	g52.50	Nov. 24	53.38

g Measurement by owner.

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 9.17 below lsd, Dec. 8. 1952. Records available: 1946-53. Feb. 27, 7.36; Apr. 22, 8.04; June 16, 6.69; Aug. 27, 6.46; Oct. 27, 8.51; Dec. 15, 7.50.

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: 1942-53.

Jan. 15	34.38	July 2	39.45	Aug. 31	40.12	Oct. 21	40.84
Apr. 8	40.89	28	41.56	Sept. 17	40.91	Nov. 24	34.90

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 14.01 below lsd, Dec. 16, 1953; lowest 24.89 below lsd, Dec. 5, 1952. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 14, 1952	23.62	Feb. 26, 1953	15.68	May 27, 1953	14.74	Sept. 23, 1953	20.18
Dec. 5	24.89	Mar. 19	15.27	June 23	15.04	Oct. 22	20.30
Jau. 8, 1953	19.72	Apr. 18	14.60	July 15	16.05	Nov. 20	17.48
22	17.80	29	14.69	Aug. 27	18.37	Dec. 16	14.01
Feb. 23	16.11						

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 37.00 above lsd, May 27, 1953; lowest 32.25 above lsd, Aug. 27, 1953. Records available: 1953.

Date	Water level	Dats	Water level	Date	Water level	Date	Water level
Jan. 23	+36.00	Apr. 8	+36.25	July 15	+34.20	Oct. 21	+35.00
Feb. 10	+35.50	29	+36.25	Aug. 27	+32.25	Nov. 20	+35.25
27	+36.00	May 27	+37.00	Sept. 24	+34.00	Dec. 16	+36.50
Mar. 19	+36.25	June 23	+36.75				

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 24.34 below lsd, Dec. 18, 1953; lowest 30.42 below lsd, Aug. 26, 1953. Records available: 1953.

Jan. 8	26.83	Mar. 19	24.42	June 24	25.90	Oct. 23	28.01
22	25.93	Apr. 10	24.53	July 16	27.19	Nov. 20	26.62
Feb. 13	25.00	30	24.91	Aug. 26	30.42	Dec. 18	24.34
25	24.86	May 29	24.88	Sept. 24	29.40		

14/2W-17K2. Oscar Ke to. 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 7.59 below lsd, Dec. 18, 1953; lowest 13.30 below lsd, Aug. 26, 1953. Records available: 1953.

Mar. 17	8.85	Apr. 28	9.18	Aug. 5	12.69	Oct. 23	12.19
31	8.38	June 15	10.36	26	13.30	Nov. 17	10.36
Apr. 14	8.93	July 1	10.96	Sept. 22	13.00	Dec. 18	7.59

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. Feb. 16, 7.48; Feb. 21, 8.45; Apr. 25, 10.75; June 19, 13.49; Aug. 23, 15.92; Oct. 23, 15.84; Dec. 16, 16.57.

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: 1941-53. Feb. 21, 12.36; Apr. 22, 12.14; June 16, 12.51; Aug. 26, 12.89; Oct. 26, 13.68; Dec. 18, 14.22.

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 to 30. 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: 1939-53.

Jan.	4	14.25	Apr.	12	14.11	July	6	8.97	Sept.	20	13.90
	11	14.31		19	14.08		12	10.90		27	13.95
	18	14.15		26	13.32		19	12.16	Oct.	4	13.55
	25	14.15	May	3	12.38		28	12.90		11	13.60
Feb.	1	13.94		10	10.20	Aug.	2	13.50		18	13.70
	8	13.99		17	6.85		9	13.45		25	13.63
	15	13.85		24	9.87		16	13.57	Nov.	1	13.50
Mar.	8	14.19		31	9.77		23	13.75		8	13.53
	15	14.21	June	7	9.52		30	13.78		15	13.55
	22	14.17		14	8.31	Sept.	6	13.83		22	13.60
	29	14.11		21	8.07		13	13.88		29	13.58
Apr.	5	14.08		28	8.16						

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: 1939-53. Feb. 26, 32.20; May 1, 32.72; June 21, 31.28; Aug. 26, 31.90; Oct. 26, 32.85; Dec. 19, 32.70.

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. Feb. 26, 14.07; May 1, 13.51; June 21, 12.93; Aug. 26, 11.88; Oct. 26, 13.06; Dec. 19, 13.93.

34/26-35R1. City of Omak well 4. South end East 4th St. Dug public-supply water-table well in coarse alluvial deposit of Okanogan River, diameter 14 feet, depth 37 feet, lined with concrete to 37. 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: 1944-53.

Jan.	4	27.71	Mar.	22	27.64	June	7	26.05	Aug.	23	27.05
	11	27.69		29	27.62		14	25.62		30	27.20
	18	27.65	Apr.	5	27.72		21	25.12	Sept.	6	27.32
	25	27.66		12	27.74		28	25.08		13	27.58
Feb.	1	27.55		19	27.77	July	6	25.12		20	27.60
	8	27.50		26	27.72		12	25.18		27	27.62
	16	27.52	May	3	27.48		19	25.22	Oct.	4	27.65
	22	27.56		10	26.92		27	26.30		11	27.66
Mar.	1	27.58		17	26.40	Aug.	2	26.60		18	27.65
	8	27.60		24	26.21		9	26.92		25	27.62
	15	27.62		31	26.42		16	27.03			

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: 1942-53. Feb. 26, 21.59; May 1, 21.44; June 21, 21.33; Aug. 26, 21.24; Oct. 26, 21.08; Dec. 19, 20.72.

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. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	18.94	Apr. 5	20.15	July 19	17.22	Oct. 11	16.90
11	18.99	12	20.24	26	17.38	18	16.92
18	19.18	19	20.28	Aug. 2	17.94	25	17.23
25	19.21	28	20.16	9	16.85	Nov. 1	17.54
Feb. 1	19.32	May 3	19.62	16	16.76	8	17.78
8	19.39	10	19.12	23	16.93	15	17.95
15	19.49	31	18.04	30	16.68	22	18.24
22	19.55	June 7	18.13	Sept. 6	16.73	29	18.34
Mar. 1	19.55	14	17.78	13	16.67	Dec. 6	18.17
8	19.82	21	17.82	20	17.08	13	18.35
15	19.63	28	17.45	27	16.62	20	18.78
22	20.01	July 5	17.38	Oct. 4	16.74	27	18.98
29	20.05	12	17.42				

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: 1946-53.

Jan. 4	8.06	Apr. 5	8.05	July 5	6.71	Oct. 4	7.46
11	7.81	12	7.92	12	7.23	11	7.54
18	7.82	19	8.08	19	6.97	18	7.59
25	7.75	26	7.95	26	7.29	25	7.59
Feb. 1	7.83	May 3	7.22	Aug. 2	7.30	Nov. 1	7.55
8	7.80	10	7.45	9	7.57	8	7.56
15	7.92	17	7.28	16	7.66	15	7.77
22	8.00	24	7.00	23	7.49	22	7.89
Mar. 1	8.10	31	6.69	30	7.39	29	7.93
8	8.23	June 7	6.66	Sept. 6	7.38	Dec. 6	7.74
15	8.12	14	6.36	13	7.58	13	7.74
22	8.08	21	6.37	20	7.52	20	7.92
29	7.94	28	6.61	27	7.55	27	8.30

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: 1939-53.

Jan. 4	18.19	Apr. 5	18.38	July 5	15.62	Oct. 4	17.41
11	18.15	12	18.40	12	15.91	11	17.50
18	18.10	19	18.50	19	16.27	18	17.55
25	18.04	26	18.29	26	16.59	25	17.65
Feb. 1	18.07	May 3	17.74	Aug. 2	16.94	Nov. 1	17.75
8	17.99	10	17.04	9	17.10	8	17.74
15	18.02	17	16.58	16	17.32	15	17.76
22	18.14	24	15.90	23	17.35	22	17.81
Mar. 1	18.26	31	15.59	30	17.18	29	17.83
8	18.34	June 7	15.41	Sept. 6	17.28	Dec. 6	17.85
15	18.38	14	15.17	13	17.40	13	17.85
22	18.40	21	15.02	20	17.43	20	17.99
29	18.38	28	15.32	27	17.55	27	17.99

Pierce County

17/2-16Q4. James Gonia. 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: 1943-53. Jan. 15, 9.04; Apr. 8, 5.90; July 2, 8.37; Aug. 31, 7.74; Sept. 17, 9.94; Oct. 21, 8.54; Nov. 24, 7.93.

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: 1950-53. Jan. 15, 28.87; Apr. 8, 24.41; July 2, 27.48; Sept. 17, 28.14; Oct. 21, 28.58; Nov. 24, 30.24.

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: 1945-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	10.51	July 2	6.46	Aug. 31	7.95	Oct. 21	10.06
Apr. 8	5.57	28	7.19	Sept. 17	8.73	Nov. 24	7.98

19/2-10F1. Lakewood Water District. Gravelly Lake Road and Lake City Road. Drilled unused water-table well in gravel, diameter 12 inches, depth 174 feet. Land-surface datum is 262.64 feet above msl. Records available: 1940-53. No measurement made in 1953.

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 feet. 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: 1940-53. Jan. 5, 154.80; Mar. 25, 153.93; May 12, 152.42; June 30, 152.71; Aug. 17, 153.10; Oct. 30, 154.65.

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 13.30 below lsd, Mar. 19, 1951; lowest 36.90 below lsd, Nov. 4, 1943. Records available: 1940-53.

Jan. 6	36.20	Apr. 6	20.77	July 6	28.80	Oct. 5	34.40
12	34.06	13	21.14	14	29.78	12	34.55
19	30.13	20	21.82	20	30.56	19	34.67
26	24.16	28	22.02	27	31.36	26	34.82
Feb. 2	16.81	May 4	22.36	Aug. 3	31.98	Nov. 2	34.62
9	15.69	11	23.12	10	32.58	10	34.70
18	18.05	18	23.58	18	32.92	16	34.64
24	18.70	26	24.57	24	33.15	23	33.97
Mar. 2	19.38	June 1	25.24	31	33.45	30	27.90
9	20.08	8	25.62	Sept. 7	34.02	Dec. 7	24.70
16	21.16	15	26.44	14	34.23	14	17.93
24	21.56	22	27.30	22	34.46	22	15.68
30	21.55	24	28.02	28	34.57	28	16.58

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 19.46 below lsd, Feb. 26, 1953. Records available: 1930, 1932, 1934-53. Measurements furnished by City Water Department.

Jan. 2	17.59	Apr. 1	18.01	June 24	17.67	Sept. 10	18.34
7	17.44	May 8	17.52	Aug. 10	18.98	Oct. 10	18.27
Feb. 26	19.46	June 2	18.24	Sept. 3	19.08		

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 40.69 below lsd, Feb. 25, 1953. Records available: 1939-53. Measurements furnished by City Water Department.

Jan. 2	36.18	Apr. 1	36.34	June 25	38.00	Oct. 10	39.74
3	37.95	May 8	37.89	Aug. 10	40.37	Nov. 12	38.96
Feb. 25	40.69	June 2	39.23	Sept. 3	39.96	Dec. 28	d43.54

d Nearby well pumped recently.

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 321.04 feet above msl. Highest water level 89.16 below lsd, June 9, 1952; lowest 95.54 below lsd, Feb. 18, 1953. Records available: 1952-53. Measurements furnished by City Water Department.

Daily mean water level from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	89.77	.....	.....	89.63	.....	91.86	91.96	92.07	91.88
2	.....	.....	.....	89.80	.....	.....	89.60	.....	91.76	91.94	92.00	92.06
3	.....	.....	.....	89.93	.....	89.36	89.50	.....	91.71	92.02	91.97	92.10
4	.....	.....	.....	89.84	.....	89.38	89.55	.....	91.82	91.99	.....	.....
5	.....	.....	.....	89.78	.....	89.31	89.63	.....	91.84	91.94	.....	92.04

20/3-18C1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	.....	.....	[illegible].86	.....	89.36	89.62	.....	91.85	91.91	91.98	91.85
7	.....	.....	.....	89.95	89.45	89.39	89.57	.....	91.82	.....	92.00	92.04
8	.....	.....	.....	89.77	89.66	89.33	89.54	.....	91.73	92.05	91.99	.....
9	.....	.....	.....	89.87	89.50	.....	89.54	.....	91.81	92.09	91.94	.....
10	.....	.....	.....	89.79	89.48	.....	89.58	.....	91.77	92.12	91.94	.....
11	.....	.....	.....	89.87	89.59	89.36	89.69	91.86	91.79	92.10	91.96	92.13
12	.....	.....	.....	89.80	89.56	89.42	89.81	91.78	91.85	92.07	91.86	.....
13	.....	.....	.....	89.80	89.82	89.39	89.83	91.81	91.87	92.07	91.79	.....
14	.....	.....	.....	89.99	89.68	89.41	89.78	90.84	91.75	92.25	91.86	92.20
15	.....	.....	.....	90.02	89.66	89.59	.....	91.84	91.74	92.00	92.07	92.21
16	.....	.....	.....	89.92	89.57	.....	.....	91.83	91.82	92.09	92.11	92.27
17	.....	.....	.....	89.86	89.58	.....	.....	91.82	91.80	92.07	92.12	92.20
18	.....	.....	.....	89.82	89.66	.....	.....	91.87	91.80	92.07	92.09	92.17
19	.....	.....	.....	90.02	89.54	89.39	89.86	91.83	91.79	92.04	91.99	92.27
20	.....	.....	90.10	90.01	89.58	89.39	.....	91.78	91.76	92.02	92.03	92.23
21	.....	.....	90.11	89.92	89.71	89.41	90.27	91.81	91.79	.....	92.03	92.27
22	.....	.....	89.96	89.99	89.69	89.39	90.26	91.86	91.77	92.01	92.01	92.34
23	.....	.....	89.79	89.90	89.64	89.38	90.22	91.82	.....	92.02	91.94	92.22
24	.....	.....	89.83	89.91	89.62	89.46	90.30	91.80	.....	92.10	91.93	92.18
25	.....	.....	89.89	89.93	89.67	89.47	90.34	91.88	.....	91.98	91.97	92.18
26	.....	.....	89.86	89.93	89.66	89.43	90.32	.....	91.88	92.02	91.96	92.08
27	.....	.....	89.63	89.85	.....	89.41	90.02	.....	91.94	92.03	91.95	92.14
28	.....	.....	89.75	90.00	.....	89.49	90.44	.....	91.89	91.99	.....	92.10
29	.....		89.71	89.82	.....	89.57	90.40	.....	92.01	91.97	91.92	92.03
30	.....		89.76	89.95	.....	89.62	90.42	91.86	92.04	92.03	91.80	92.22
31	.....		90.04		.....		90.47	91.86		92.04		92.18

Daily mean water level from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	92.28	c98.09	.....	94.24	.....	.....	93.93	94.16	.....	94.74	94.51	94.33
2	92.18	c98.19	.....	.....	.....	.....	93.88	94.17	94.77	94.80	94.58	94.23
3	92.27	d98.49	.....	94.15	.....	.....	93.92	94.25	94.67	94.68	94.47	94.07
4	92.03	.....	.....	94.13	.....	93.92	93.92	94.31	94.63	94.57	94.36	94.26
5	91.91	.....	.....	94.12	93.69	93.83	93.93	94.30	94.67	94.50	94.36	94.19
6	91.82	d96.41	.....	94.03	93.68	93.78	93.81	94.32	94.69	94.60	94.62	94.23
7	91.89	c96.32	.....	93.98	93.79	93.88	93.84	94.41	94.76	94.53	94.64	94.36
8	92.04	c98.63	.....	94.09	93.92	93.95	93.94	94.40	94.75	94.59	94.52	94.43
9	.....	d98.13	.....	94.14	93.97	93.97	93.93	94.43	94.70	94.49	94.55	.....
10	.....	d98.01	.....	94.09	93.96	.....	93.96	94.41	94.63	94.62	94.44	.....
11	.....	d98.01	.....	94.07	93.86	93.93	93.93	94.35	94.62	94.63	94.47	.....
12	.....	d95.68	94.66	93.94	93.71	93.96	93.88	94.43	94.74	94.52	94.47	.....
13	.....	d95.56	94.76	93.96	93.74	94.03	93.91	94.46	94.72	94.58	94.37	.....
14	92.88	95.38	94.00	94.17	93.80	93.93	93.96	94.44	94.62	94.58	94.43	.....
15	93.11	95.47	94.41	93.97	93.77	93.90	94.08	94.50	94.64	94.57	94.62	.....
16	92.96	95.38	94.45	93.82	93.82	93.92	94.00	94.54	94.60	94.58	94.46	.....
17	.....	95.34	94.60	94.00	93.82	93.92	93.92	94.55	94.74	94.43	94.60	.....
18	.....	95.49	94.35	93.98	93.67	93.88	94.02	94.57	94.72	94.58	94.50	.....
19	.....	95.38	94.26	93.94	.....	93.89	.....	94.54	.....	94.69	94.37	.....
20	.....	95.28	94.38	93.97	.....	93.96	.....	94.61	94.57	94.69	94.39	.....
21	.....	95.18	94.53	93.92	93.82	93.95	93.97	94.66	94.57	94.73	94.23	.....
22	d94.78	95.15	94.55	93.87	93.86	.....	94.04	94.64	94.70	94.52	94.29	.....
23	.....	95.07	.....	94.03	93.68	.....	94.03	94.59	94.77	94.40	94.48	.....
24	c96.82	95.02	94.38	93.91	93.82	.....	93.98	94.59	94.66	94.52	94.52	.....
25	c97.09	95.04	94.51	93.83	93.86	.....	94.08	94.60	94.63	94.57	94.42	.....
26	c97.57	94.94	94.37	93.72	93.78	.....	94.11	94.68	94.58	94.52	94.29	.....
27	.....	94.85	94.49	93.74	93.87	.....	94.14	94.72	94.51	94.44	94.39	.....
28	d95.48	94.78	94.35	93.91	.....	.....	94.08	94.68	94.68	94.44	94.42	.....
29	.....		95.31	.....	93.94	93.92	94.12	.....	94.57	94.52	94.32	.....
30	c97.28		95.23	.....	93.95	.....	94.18	.....	94.58	94.47	.....	.....
31	.....		.....		.....		.....	.....		.....		.....

d Nearby well being pumped.
c 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 1[illegible].62 below lsd, Feb. 8, 1938; lowest 35.98 below lsd, Jan. 31, 1947. Records available: 1930, 1934, 1937-53. Measurements furnished by City Water Department.

20/3-18D1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	31.38	May 8	30.44	June 25	32.41	Sept. 10	32.71
7	30.98	June 2	31.91	Aug. 10	32.73	Nov. 10	31.33
Feb. 25	31.05	18	c34.13	Sept. 3	32.72	Dec. 28	29.27
Apr. 1	30.60						

c Nearby well being pumped.

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, 1934-53. Measurements furnished by City Water Department.

Jan. 2	33.56	Apr. 1	32.87	June 24	33.30	Oct. 10	33.98
7	33.27	May 8	32.77	Aug. 10	33.87	Nov. 10	33.56
Feb. 26	32.26	June 2	33.49	Sept. 3	33.99	Dec. 28	33.04

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: 1908-09, 1925-31, 1937-40, 1945-53. Measurements furnished by City Water Department.

Jan. 2	36.33	June 24	36.11	Sept. 3	36.76	Nov. 10	36.35
Feb. 26	34.97	Aug. 10	36.67	10	36.75	Dec. 28	35.87
Apr. 1	35.64						

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: 1908-09, 1925-31, 1937-53. Measurements furnished by City Water Department.

Jan. 2	39.53	June 1	39.65	Sept. 1	39.96	Nov. 10	38.55
Feb. 26	38.55	24	39.63	3	39.95	Dec. 1	38.97
Mar. 2	38.53	29	39.24	10	39.92	28	d39.04
Apr. 1	38.62	July 31	39.88	Oct. 29	39.98	30	d39.80
May 4	38.68	Aug. 10	39.85				

d Nearby well pumped recently.

20/3-30C4. City of Tacoma well 8-A. South 66th 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: 1939-53. Measurements furnished by City Water Department.

Jan. 2	39.27	Apr. 1	38.52	June 24	39.15	Sept. 10	39.80
6	39.13	May 8	38.53	Aug. 10	39.70	Nov. 10	39.31
Feb. 26	38.21	26	38.30	Sept. 3	39.83	Dec. 28	38.77

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: 1939-53. Measurements furnished by City Water Department.

Jan. 2	23.46	Apr. 1	22.55	June 24	23.25	Sept. 10	23.65
3	23.34	May 7	22.64	Aug. 10	23.67	Nov. 10	23.40
Feb. 26	22.03	26	23.17	Sept. 3	23.78	Dec. 28	22.42

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 38.00 below lsd, Apr. 24, 1935; lowest 43.10 below lsd, Nov. 22, 1932. Records available: 1931-53. Measurements furnished by City Water Department.

Jan. 2	41.16	Mar. 31	39.71	June 24	40.25	Oct. 9	40.06
6	40.09	May 7	40.04	Aug. 10	40.96	Nov. 10	40.97
Feb. 26	41.16	June 2	40.61	Sept. 3	40.16	Dec. 28	39.65

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: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	181.10	Apr. 5	181.30	July 5	180.78	Oct. 4	181.08
11	181.13	12	181.19	12	180.75	11	181.10
18	181.20	19	181.15	19	180.83	18	181.12
21	181.21	26	181.10	26	180.83	25	181.17
Feb. 1	181.26	May 3	181.10	Aug. 2	180.80	Nov. 1	181.17
8	181.30	12	181.05	9	180.83	8	181.17
15	181.33	17	180.98	16	180.85	15	181.27
22	181.22	24	180.96	23	180.85	22	181.33
Mar. 1	181.34	31	180.95	30	180.90	30	181.33
8	181.36	June 7	180.90	Sept. 7	180.95	Dec. 6	181.30
15	181.35	14	180.86	13	180.97	13	181.41
24	181.37	22	180.78	20	181.00	20	181.41
29	181.30	28	180.80	27	181.03	27	181.50

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: 1938-53. Jan. 5, 7.82; Mar. 25, 6.22; May 12, 6.43; June 30, 6.71; Sept. 16, 8.04; Oct. 30, 7.91; Nov. 23, 6.73.

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, T. 19 N., R. 2 E. Highest water level 236.85 above msl, Mar. 26, 1951; lowest 228.00 above msl, Sept. 27, 1944. Records available: 1938, 1940-53.

Lake stages in feet above msl

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 2, 1949	233.94	Feb. 26, 1952	232.64	Oct. 7, 1952	229.42	May 25, 1953	231.24
Sept. 7	231.15	Mar. 4	232.66	13	229.32	28	231.20
Dec. 27	231.50	12	232.73	22	229.20	June 1	231.13
Apr. 19, 1950	235.26	18	232.76	28	229.11	9	231.12
June 30	233.77	25	232.80	Nov. 3	229.04	15	231.08
Dec. 8	232.69	Apr. 1	232.79	10	228.93	29	230.95
Mar. 26, 1951	236.85	8	232.78	17	228.87	July 6	230.87
Apr. 13	236.32	16	232.74	24	228.77	13	230.74
24	236.00	23	232.66	Dec. 1	228.67	20	230.62
June 13	234.48	May 5	232.60	5	228.72	21	230.59
July 10	233.51	13	232.50	22	228.78	28	230.45
Aug. 17	232.31	20	232.40	29	228.73	Aug. 3	230.30
Sept. 10	231.79	27	232.27	Jan. 5, 1953	228.81	10	230.21
24	231.37	June 3	232.11	14	229.11	17	230.05
Oct. 10	231.48	10	231.92	19	229.35	31	229.92
22	231.44	30	231.63	26	229.62	Sept. 1	229.82
31	231.40	July 9	231.42	Feb. 2	230.09	8	229.70
Nov. 6	231.38	16	231.24	9	230.50	14	229.66
14	231.46	22	231.06	16	230.70	25	229.38
20	231.42	23	231.04	24	230.82	Oct. 11	229.46
28	231.43	29	230.92	Mar. 2	230.89	19	229.44
Dec. 6	231.62	Aug. 5	230.74	11	230.96	28	229.22
19	231.70	6	230.12	16	231.05	Nov. 2	229.44
26	231.74	12	230.58	23	231.10	9	229.51
Jan. 2, 1952	231.80	19	230.40	30	231.19	16	229.57
8	231.83	26	230.27	Apr. 6	231.22	23	229.67
16	231.89	Sept. 2	230.11	13	231.24	Dec. 1	229.24
23	232.00	3	230.09	20	231.22	8	230.00
30	232.10	8	229.99	21	231.23	14	230.37
Feb. 7	232.35	16	229.81	May 4	231.25	21	230.66
12	232.46	23	229.68	11	231.21	30	230.88
19	232.53	29	229.52	18	231.13		

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 to 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: 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 27, 1949	14.74	Sept. 18, 1950	14.31	Apr. 30, 1952	14.17	June 11, 1953	12.39
Oct. 17	14.33	Dec. 7	11.34	July 1	12.94	July 29	11.80
18	14.37	Mar. 27, 1951	11.73	Aug. 28	15.65	Aug. 28	13.92
19	14.42	June 14	11.88	Nov. 7	17.23	Sept. 16	15.30
Nov. 18	13.59	Aug. 16	14.85	Jan. 8, 1953	14.90	Oct. 20	14.41
Apr. 20, 1950	10.90	Oct. 12	15.46	Mar. 26	13.42	Nov. 30	12.31
June 27	8.50	Feb. 29, 1952	14.62				

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: 1945-53. Jan. 8, 135.73; Mar. 26, 136.14; June 11, 136.28; July 29, 136.35; Aug. 28, 136.42; Oct. 20, 136.86; Nov. 30, 136.89.

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 3.11 below lsd, Feb. 27, 1946; lowest 10.61 below lsd, Nov. 7, 1952. Records available: 1945-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	6.23	June 11	5.82	Aug. 28	8.14	Oct. 20	6.90
Mar. 26	5.58	July 29	7.51	Sept. 16	8.62	Nov. 30	3.93

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: 1944-53.

Jan. 8	112.12	June 11	111.30	Aug. 28	111.39	Oct. 20	112.07
Mar. 26	111.67	July 29	111.43	Sept. 16	111.67	Nov. 30	111.79

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: 1944-53.

Jan. 8	25.98	June 11	20.08	Aug. 28	22.36	Oct. 20	23.37
Mar. 26	20.00	July 29	a21.77	Sept. 16	22.84	Nov. 30	22.62

a Pumping.

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: 1945-53.

Jan. 8	29.95	June 11	29.55	Aug. 28	30.17	Oct. 20	29.37
Mar. 26	29.84	July 29	29.79	Sept. 16	29.38	Nov. 30	28.97

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 127.08 below lsd, Aug. 28, 1953; lowest 133.93 below lsd, Nov. 18, 1949. Records available: 1946-53. Jan. 8, 127.20; Aug. 28, 127.08; Sept. 16, 127.24; Oct. 20, 127.70; Nov. 30, 127.22.

Spokane County

25/42-13B1. Empire Cold Storage Co. Sinto Ave. and Oak St., Spokane. Dug industria water-table well in fluvioglacial gravel, diameter 41 inches, depth 200 feet, lined with concret 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: 1930-53. Pumping at time of measurement. Feb. 18, 185.39; Apr. 24, 187.11; June 16, 182.24; Aug. 24, 192.21 Oct. 24, 190.96; Dec. 18, 190.25.

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: 1941-53. Measurements furnished by Cemetery Association.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	97.79	Mar. 24	94.03	June 29	91.30	Sept. 15	98.78
6	97.84	30	94.01	July 1	92.02	21	98.54
9	97.89	Apr. 2	94.00	6	92.63	28	98.37
13	97.76	4	93.98	9	93.60	Oct. 3	98.18
16	97.63	9	94.00	13	94.00	6	98.11
19	97.43	14	94.08	16	94.73	9	98.15
22	96.95	20	94.33	20	94.97	16	98.07
26	96.06	24	96.46	25	96.00	20	97.92
29	95.46	27	93.98	29	96.41	23	97.85
Feb. 5	94.38	29	93.65	Aug. 4	96.91	Nov. 2	97.77
7	94.00	May 2	92.93	7	97.31	14	97.88
10	93.42	7	91.94	10	97.15	18	97.91
13	92.97	13	91.05	13	97.64	23	97.87
16	92.69	21	90.75	15	97.76	26	97.84
18	92.59	29	90.22	19	97.99	Dec. 2	97.73
21	92.66	June 2	90.21	22	98.21	5	97.69
25	92.90	5	90.24	24	98.02	9	97.59
Mar. 3	93.30	16	92.24	27	98.09	12	97.54
7	93.55	17	90.44	29	98.03	18	97.27
10	93.67	20	90.65	Sept. 2	98.28	21	97.15
14	93.89	23	90.75	5	98.45	26	96.96
17	94.00	26	91.07	11	98.72	28	96.89

25/43-11G3. City of Spokane well 3. At Up-river 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: 1938-53. Measurements furnished by City Water Department.

Jan. 5	27.44	Apr. 6	23.28	July 6	26.53	Oct. 5	26.93
12	26.91	13	23.40	13	26.92	12	29.90
19	24.14	20	24.11	20	27.28	19	26.80
26	20.68	27	19.82	27	27.76	26	26.62
Feb. 2	20.83	May 4	16.93	Aug. 3	28.71	Nov. 2	26.72
9	19.28	11	16.79	10	27.73	9	27.16
16	20.53	18	17.88	17	28.47	16	27.36
23	23.83	25	17.64	24	28.87	23	27.73
Mar. 2	24.07	June 1	17.92	31	28.42	30	25.90
9	24.35	8	18.30	Sept. 7	28.67	Dec. 7	25.81
16	24.44	15	18.88	14	27.62	14	25.20
23	23.53	22	19.02	21	27.53	21	25.63
30	23.43	29	24.84	28	27.04	28	25.23

25/43-11G6. City of Spokane gage well 1. At Up-river pump station. Dug observation water-table well in fluvioglacial gravel, diameter 30 inches, depth 64 feet, lined with concrete to 64. Highest water level 39.07 below lsd, Dec. 26, 1933; lowest 60.87 below lsd, July 9, 1931. Records available: 1926-53. Measurements furnished by City Water Department. Feb. 19, 53.20; Apr. 24, 53.50; June 18, 50.02; Aug. 24, 59.48; Oct. 24, 57.71; Dec. 18, 56.22.

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: 1929-53. Measurements furnished by City Water Department. Feb. 19, 63.03; Apr. 24, 63.72; June 18, 60.55; Oct. 24, 69.38; Dec. 18, 68.99.

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, 1928-53. Feb. 19, 42.82; Apr. 24, 44.50; June 18, 40.69; Aug. 24, 48.91; Dec. 18, 45.96.

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: 1928-53. Feb. 18, 44.17.

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: 1928-53. Feb. 19, 95.24, pumping; Apr. 24, 96.80, pumped recently; June 18, 91.07, pumped recently.

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 3, 1950; lowest 82.82 below lsd, Dec. 8, 1931. Records available: 1920, 1928-53. Feb. 19, 74.77, pumping; Apr. 24, 76.71; June 18, 72.54, pumping.

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: 1931-53. Feb. 20, 84.93; Apr. 23, 85.87; June 17, 81.29; Aug. 24, 88.82; Oct. 24, 89.27; Dec. 17, 88.85.

25/45-10C1. Mrs. George Clark. Dug unused water-table well in fluvioglacial gravel, diameter 36 inches, depth 67 feet. 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: 1928-53. Feb. 19, 56.36; Apr. 23, 57.32; June 17, 52.08; Aug. 24, 58.59; Oct. 24, 60.48; Dec. 17, 60.79.

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, 1929-53. Feb. 19, 98.82; Apr. 23, 100.06, pumping; June 17, 84.56; Aug. 24, 101.43, Oct. 24, 102.06; Dec. 17, 103.44.

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. Feb. 19, 76.99; Apr. 24, 77.24; June 16, 75.72; Aug. 24, 76.02; Oct. 24, 77.29; Dec. 18, 77.46.

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: 1943-53. Nearby well pumping at time of measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4	161.77	Apr. 29	161.83	July 22	161.71	Oct. 14	162.50
11	161.88	May 6	161.08	29	161.81	21	162.11
18	162.01	13	161.74	Aug. 5	161.88	28	162.39
25	161.09	20	161.09	12	161.15	Nov. 4	162.93
Mar. 4	161.09	27	161.64	19	161.09	11	163.02
11	161.09	June 3	161.64	26	162.16	18	162.84
18	161.11	10	161.06	Sept. 2	162.23	25	162.56
25	161.91	17	161.85	9	162.07	Dec. 2	162.53
Apr. 1	161.73	25	161.76	16	162.09	9	162.75
8	161.07	July 1	161.78	23	162.42	16	162.59
15	161.07	8	161.76	30	162.05	23	162.59
22	161.11	15	161.80	Oct. 7	162.08	30	162.58

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: 1930-53. Feb. 19, 137.11, pumping; Apr. 24, 135.97; June 16, 137.37, pumping; Aug. 24, 137.90, pumping; Oct. 24, 139.77, pumping; Dec. 18, 139.71, pumping.

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, 1926; lowest 179.85 below lsd, Oct. 5, 1945. Records available: 1928-51, 1953. Apr. 24, 175.07, pumping.

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: 1928-53. Feb. 19, 98.19.

27/42-8H1. Mr. Hall. Dug irrigation water-table well in sand, 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: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 30, 1947	16.00	June 28, 1950	10.48	Oct. 17, 1951	8.16	Feb. 19, 1953	7.90
Oct. 5	16.86	Oct. 9	8.01	Dec. 12	8.68	Apr. 24	8.68
Mar. 5, 1948	16.44	Dec. 13	8.67	Apr. 17, 1952	6.12	Aug. 24	11.65
Aug. 13	13.62	Mar. 31, 1951	7.46	June 3	5.03	Oct. 24	11.84
Oct. 25	13.19	June 19	11.75	Oct. 19	6.66	Dec. 18	12.13
June 24, 1949	16.66	Aug. 21	8.14				

Thurston County

16/2-17D1. Roy C. Hansen. Dug unused water-table well in till, size 4 by 4 feet. Land-surface datum is about 465 feet above msl. Highest water level 24.00 below lsd, May 29, 1951; lowest 42.32 below lsd, Nov. 7, 1952. Records available: 1951-53.

May 29, 1951	24.00	Oct. 4, 1951	39.36	Feb. 12, 1952	28.45	Jan. 15, 1953	40.55
June 11	26.44	23	40.10	26	26.60	Apr. 8	25.67
July 3	30.06	Nov. 6	40.80	Mar. 12	24.84	July 2	33.39
17	31.41	20	41.57	25	25.25	28	35.33
31	33.71	Dec. 4	40.28	Apr. 8	26.06	Aug. 31	38.37
Aug. 14	35.13	18	38.96	22	27.15	Sept. 17	38.81
28	36.23	Jan. 2, 1952	37.10	May 6	28.68	Oct. 21	31.58
Sept. 11	37.41	15	35.80	20	29.96	Nov. 24	42.13
25	38.38	29	34.11	Nov. 7	42.32		

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 81.26 below lsd, Apr. 8, 1953; lowest 94.98 below lsd, Nov. 20, 1951. Records available: 1951-53.

June 11, 1951	87.88	Oct. 23, 1951	94.14	Feb. 26, 1952	90.04	Jan. 15, 1953	90.27
July 3	89.18	Nov. 6	94.51	Mar. 12	90.47	Apr. 8	81.26
17	90.41	20	94.94	25	91.09	July 2	86.33
31	90.56	Dec. 4	94.88	Apr. 8	91.77	28	87.45
Aug. 14	91.26	18	94.14	22	92.45	Aug. 31	88.67
28	92.49	Jan. 2, 1952	93.95	May 6	93.17	Sept. 17	89.69
Sept. 11	92.54	15	93.60	20	93.90	Oct. 21	89.68
25	93.18	29	93.43	Nov. 7	89.34	Nov. 24	90.03
Oct. 4	93.47	Feb. 12	90.31				

16/1W-19C1. 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: 1941-53. Jan. 15, 6.22; Apr. 8, 6.40; July 2, 7.97; July 28, 8.88; Aug. 31, 10.18; Oct. 21, 9.40; Nov. 24, 5.52.

16/2W-29E1. E. J. Poore. Drilled domestic water-table well in sand and gravel, diameter 8 inches, depth 61 feet. Land-surface datum is about 209 feet above msl. Highest water level 14.22 below lsd, Mar. 29, 1951; lowest 33.90 below lsd, Nov. 6, 1952. Records available: 1947-53. Jan. 15, 29.49; Apr. 8, 20.95; July 2, 24.99; July 28, 26.35. Measurement discontinued.

16/3W-29N1. Charles F. Norrie. Drilled unused water-table well in gravel, diameter 6 inches, depth 58 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. Apr. 8, 38.36; July 2, 39.40.

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 33.14 below lsd, Nov. 6, 1952. Records available: 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	31.48	July 2	a36.66	Aug. 31	30.25	Oct. 21	30.17
Apr. 8	24.91	28	a31.45	Sept. 17	27.89	Nov. 24	29.33

a Pumping.

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 22.22 below lsd, Feb. 10, 1953; lowest 32.86 below lsd, Dec. 5, 1952. Records available: 1951-53.

Jan. 6	32.70	Aug. 19	30.56	Oct. 28	31.58	Nov. 23	30.95
9	32.43	20	30.59	29	31.59	24	30.81
20	28.53	21	30.63	30	31.60	25	30.68
23	27.20	22	30.66	31	31.61	26	30.53
Feb. 10	22.22	23	30.68	Nov. 1	31.62	27	30.40
24	22.77	24	30.70	2	31.63	28	30.28
Mar. 17	24.14	25	30.75	3	31.64	29	30.15
Apr. 4	25.54	26	30.77	4	31.65	30	30.05
15	26.01	27	30.78	5	31.66	Dec. 1	29.93
28	26.79	28	30.79	6	31.65	2	29.82
May 26	28.00	29	30.80	7	31.62	3	29.69
June 25	28.42	30	30.81	8	31.60	4	29.58
July 14	29.50	31	30.82	9	31.57	5	29.47
Aug. 5	30.20	Sept. 1	30.84	10	31.57	6	29.31
6	30.22	2	30.86	11	31.56	7	29.01
7	30.25	3	30.87	12	31.56	8	28.60
8	30.28	4	30.89	13	31.56	9	28.09
9	30.31	15	31.12	14	31.55	10	27.32
10	30.33	22	31.23	15	31.54	11	26.66
Aug. 11	30.36	Oct. 20	31.49	16	31.51	12	26.11
12	30.39	22	31.50	17	31.44	13	25.56
13	30.42	23	31.52	18	31.37	14	25.11
14	30.44	24	31.53	19	31.30	15	24.74
15	30.46	25	31.54	20	31.25	16	24.46
16	30.48	26	31.55	21	31.18	17	24.24
17	30.50	27	31.57	22	31.08	18	24.09
18	30.53						

Walla Walla County

7/36-20N1. Marcus Whitman Hotel Association. North 2nd Ave. and Rose St., Walla Walla. Drilled unused artesian well in basalt, diameter 18 to 12 inches, depth 700 feet, perforations 86-106 and 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, 1952-53.

Daily mean water level from recorder graph, 1948

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	76.20	75.80	.....	75.89	75.28	78.63	.....	.....	.....	82.94	.....
2	.....	76.35	75.86	76.14	75.92	75.38	78.74	.....	.....	.....	82.79	82.60
3	.....	76.23	76.07	.....	75.86	75.61	78.72	.....	.....	.....	82.87	82.57
4	.....	76.21	76.04	.....	76.01	75.70	78.84	.....	.....	.....	.....	82.51
5	.....	76.34	75.91	.....	75.98	75.74	.....	.....	.....	.....	83.07	82.68
6	.....	76.50	75.94	.....	75.81	75.86	79.10	.....	.....	.....	82.98	82.51
7	.....	76.48	75.86	76.15	75.76	76.00	79.15	.....	.....	.....	83.03	82.67
8	.....	76.60	75.76	.....	75.76	76.14	79.28	.....	.....	.....	83.05	82.33
9	.....	77.02	75.88	.....	75.74	76.28	79.38	.....	.....	.....	82.85	82.61
10	.....	77.13	76.03	76.01	75.68	76.49	79.38	.....	.....	.....	82.66	82.76
11	.....	76.88	75.85	75.98	75.63	76.64	79.51	.....	.....	.....	82.57	82.87
12	.....	76.50	.....	.....	75.44	76.68	79.74	.....	.....	.....	82.58	82.83
13	.....	.....	.....	75.88	75.48	76.67	.....	.....	.....	.....	82.67	82.74
14	.....	.....	.....	75.89	75.57	76.81	.....	.....	.....	.....	82.46	82.65
15	.....	.....	75.87	.....	75.37	.....	.....	.....	.....	.....	82.70	82.48

7/36-20N1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	.....	.....	75.79	.....	75.29	77.19	.....	.....	.....	.....	82.57	82.50
17	.....	.....	75.84	76.01	75.41	77.14	.....	.....	.....	.....	82.86	82.45
18	.....	.....	75.74	.....	75.39	77.10	.....	.....	.....	.....	82.86	82.44
19	.....	.....	.....	.....	75.31	77.06	.....	.....	.....	.....	82.81	82.73
20	.....	.....	76.06	75.66	75.33	77.05	.....	.....	.....	.....	82.77	82.83
21	.....	.....	75.93	75.56	75.24	77.10	.....	.....	.....	.....	82.81	82.76
22	76.14	76.45	75.93	75.68	75.19	77.17	.....	.....	.....	.....	82.58	82.70
23	76.08	.....	75.98	75.85	75.01	77.27	.....	.....	.....	.....	82.40	82.79
24	76.13	.....	75.85	75.82	75.01	77.41	.....	.....	.....	.....	82.06	82.84
25	76.34	76.44	76.13	75.88	75.00	77.58	.....	.....	.....	.....	82.17	82.83
26	76.48	76.10	.....	75.84	74.99	77.74	.....	.....	.....	.....	82.49	82.92
27	76.41	76.01	76.28	75.78	74.99	.....	.....	.....	.....	.....	82.50	83.03
28	76.30	75.96	76.07	75.64	75.01	.....	.....	.....	.....	.....	.....	82.92
29	76.12	75.96	.....	75.65	75.07	78.11	.....	.....	.....	.....	81.99	83.04
30	76.33		.....	75.79	75.06	78.38	.....	.....	.....	82.92	.....	.....
31	76.30		75.77		75.12		.....	.....		82.98		.....

Mean water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1949	83.85	Jan. 16, 1949	82.85	Jan. 24, 1949	82.94	Feb. 1, 1949	82.42
4	82.99	17	82.62	25	82.86	5	82.51
5	83.08	18	82.51	26	82.66	7	82.46
11	83.10	19	82.60	27	82.79	8	82.55
12	82.92	20	82.89	28	82.90	9	82.56
13	82.75	21	82.43	29	82.52	12	82.57
14	82.65	22	82.58	30	82.53	13	82.41
15	82.95	23	82.76	31	82.46		

Daily mean water level from recorder graph, 1952 *

Day	Aug.	Sept.	Oct.	Nov.	Dec.	Day	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	84.08	83.52	81.90	80.65	17	82.72	83.43	82.67	81.52	80.54
2	.....	83.93	83.27	81.88	80.84	18	83.78	83.58	.....	81.53	80.48
3	.....	84.01	83.33	81.83	80.93	19	83.79	83.72	82.58	81.31	80.49
4	.....	84.19	83.27	81.88	80.80	20	83.72	83.97	82.48	81.31	80.58
5	.....	84.27	83.11	81.70	80.64	21	83.78	83.79	82.53	81.29	80.59
6	.....	84.28	83.02	81.66	.....	22	83.99	83.77	82.54	81.27	80.66
7	.....	84.16	83.02	81.63	80.69	23	84.01	83.69	82.48	81.15	80.59
8	.....	83.97	82.94	81.68	81.00	24	83.94	83.64	82.57	81.08	80.51
9	.....	83.74	83.00	81.47	.....	25	84.03	83.66	82.35	81.15	80.47
10	.....	83.62	83.10	81.42	80.91	26	83.94	83.75	82.29	81.11	80.27
11	.....	83.52	83.16	81.37	80.86	27	83.94	83.93	82.24	81.09	80.28
12	.....	83.53	83.11	81.18	80.94	28	83.93	83.57	82.10	80.96	80.19
13	.....	83.62	83.08	81.14	80.88	29	84.02	83.50	81.97	80.90	80.08
14	.....	83.42	83.10	81.06	80.68	30	84.13	83.56	81.97	80.75	80.25
15	83.83	83.23	82.67	81.27	80.58	31	84.08		81.93		80.37
16	83.85	83.27	82.66	81.46	80.61						

* No record for January, February, March, April, May, June, and July.

Daily mean water level from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	80.48	78.05	77.69	78.27	79.11	78.95	79.68	81.26	81.91	81.33	81.25	81.52
2	.....	77.99	77.84	78.17	79.19	79.14	79.71	81.13	82.06	81.50	81.45	81.42
3	.....	77.99	78.06	78.29	79.15	79.12	79.91	81.29	81.94	81.39	81.39	81.26
4	80.12	77.84	78.11	78.27	79.07	79.10	80.09	81.50	81.82	81.27	81.19	81.45
5	79.88	77.84	78.07	78.24	79.05	79.04	80.09	81.63	81.79	81.12	81.08	81.41
6	79.69	77.49	78.13	78.18	79.16	78.99	80.02	81.63	81.70	81.13	81.42	81.35
7	79.99	77.63	78.11	78.42	79.36	79.02	79.99	81.80	81.83	81.17	81.72	81.46
8	80.08	77.70	77.95	78.45	79.30	79.07	80.15	81.94	81.84	81.27	81.64	81.38
9	.....	77.48	77.84	78.50	79.39	79.13	80.24	81.82	81.88	81.23	81.52	81.29
10	80.13	77.54	77.96	78.50	79.38	79.32	80.36	81.87	81.91	81.24	81.41	81.49
11	80.00	77.50	78.16	78.46	79.34	79.43	.....	81.90	81.90	81.27	81.52	81.28
12	79.95	77.32	78.31	78.48	79.25	79.49	80.59	81.99	81.99	81.13	81.54	81.38
13	80.00	77.15	78.55	78.67	79.28	79.54	80.52	81.15	81.99	81.13	81.39	81.23
14	80.21	77.38	78.34	78.89	79.41	79.38	80.45	81.18	81.85	81.15	81.47	81.05
15	79.96	77.36	78.31	78.77	79.44	79.32	80.68	81.13	81.83	81.19	81.67	81.05

7/26-20N1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	79.68	.....	78.32	78.65	79.54	79.29	80.65	81.14	81.93	81.09	81.53	.....
17	79.52	.....	78.54	78.92	79.71	79.22	80.62	81.20	81.91	81.02	81.59	.....
18	79.48	77.49	78.34	78.86	79.68	79.29	80.69	81.24	81.82	81.02	81.81	.....
19	79.20	77.65	78.16	78.78	79.49	79.23	80.70	81.23	81.84	81.28	81.56	.....
20	79.36	77.59	78.42	78.98	79.36	.....	80.73	81.38	81.69	81.22	81.66	.....
21	79.28	77.63	78.64	78.99	79.27	79.21	80.75	81.49	81.35	81.35	81.48	.....
22	79.05	77.58	78.75	79.01	79.26	79.24	81.63	81.43	81.44	81.23	81.36	.....
23	78.78	77.69	78.60	79.01	78.91	79.25	80.90	81.19	81.50	.....	81.68	.....
24	78.51	77.65	78.42	78.98	78.92	79.21	80.84	81.06	81.52	81.07	81.85	.....
25	78.66	76.83	78.56	.....	78.96	79.15	81.03	81.03	81.30	81.23	81.79	.....
26	78.76	77.69	78.35	.....	78.93	79.29	80.95	81.23	81.23	81.21	81.73	.....
27	78.54	77.64	78.10	78.58	78.96	79.44	81.05	81.14	81.14	81.21	81.74	.....
28	78.41	77.70	78.16	78.85	78.84	79.34	81.02	81.17	81.17	81.13	81.74	.....
29	78.40		78.13	78.75	78.86	79.37	81.08	81.18	81.18	81.24	81.48	.....
30	78.26		78.17	78.88	79.00	79.52	81.27	81.12	81.12	81.29	81.46	.....
31	78.30		78.26		78.90		81.38			81.26		

8/35-16B1. 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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	3.19	Apr. 25	4.28	Aug. 23	4.39	Oct. 31	3.19
Feb. 10	3.41	May 29	3.89	31	4.12	Dec. 5	3.43
17	3.60	June 20	3.80	Sept. 3	3.80	16	3.75
Apr. 2	4.16	27	4.00	Oct. 23	3.37	30	3.99
23	4.19	Aug. 1	4.67				

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: 1946-53.

Jan. 8	56.09	June 11	56.41	Aug. 28	56.63	Oct. 20	56.48
Mar. 26	56.20	July 29	56.51	Sept. 16	56.49	Nov. 30	a57.16

a Pumping.

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: 1938-53. Jan. 8, 67.27; Mar. 26, 66.75; June 11, 66.75; July 29, 68.81; Aug. 28, 72.46, pumped recently; Oct. 20, 70.10; Nov. 30, 68.32.

40/2-19M1. U. S. Geol. Survey. Intersection 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 16.06 below lsd, Mar. 26, 1953; lowest 19.23 below lsd, Nov. 7, 1952. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7, 1952	17.75	Aug. 28, 1952	18.27	June 11, 1953	16.77	Sept. 16, 1953	18.27
29	16.95	Nov. 7	19.23	July 29	17.41	Oct. 20	18.54
Apr. 30	16.88	Jan. 8, 1953	18.72	Aug. 28	17.93	Nov. 30	18.00
July 1	17.48	Mar. 26	16.06				

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 57.18 below lsd, Jan. 8, 1953. Records available: 1940-53.

40/4-5D1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1940	52.67	May 3, 1942	52.67	July 7, 1945	52.51	Apr. 15, 1950	46.94
Apr. 1	50.16	June 3	52.92	Aug. 4	53.18	May 20	49.27
June 1	51.03	July 10	53.42	Nov. 5	54.42	July 20	50.85
July 4	51.34	Aug. 5	53.67	Jan. 2, 1946	52.76	Jan. 1, 1951	51.76
Aug. 8	52.01	Oct. 17	54.93	Mar. 1	50.52	Apr. 7	48.86
Sept. 1	52.51	19	54.93	Apr. 1	50.27	July 7	51.43
Oct. 6	53.09	Nov. 4	55.00	May 10	50.27	Aug. 1	51.60
Nov. 13	53.67	Dec. 8	56.00	June 10	50.77	Sept. 23	53.01
Dec. 1	54.17	Jan. 4, 1943	55.77	July 22	51.16	Dec. 1	53.92
16	54.17	Feb. 2	55.63	Aug. 8	52.10	Jan. 1, 1952	53.84
Jan. 1, 1941	54.25	Mar. 11	54.17	Dec. 22	54.01	Mar. 12	52.64
17	54.08	Apr. 1	54.01	Apr. 1, 1947	51.27	May 1	52.59
Mar. 1	52.76	May 2	53.43	May 10	51.43	July 1	53.59
Apr. 14	52.01	July 5	53.68	July 15	52.10	Aug. 9	54.50
May 10	52.09	Aug. 2	54.26	Aug. 20	53.18	Oct. 20	55.75
June 4	52.51	Sept. 17	55.08	Oct. 28	54.17	Dec. 13	56.25
July 7	53.00	Nov. 6	55.83	Jan. 1, 1948	54.10	Jan. 8, 1953	57.18
Aug. 2	53.59	Dec. 3	56.25	Mar. 15	51.02	Feb. 1	55.91
Sept. 3	54.00	Feb. 5, 1944	56.16	June 6	51.93	Mar. 9	52.93
Oct. 4	54.42	Mar. 18	55.33	Aug. 12	52.76	26	52.93
Nov. 3	54.75	Apr. 3	55.25	Jan. 1, 1949	52.60	May 13	52.43
Dec. 1	54.96	May 2	55.13	Mar. 15	51.76	June 11	52.96
16	53.84	June 1	55.33	Apr. 10	51.76	July 29	53.96
Jan. 8, 1942	52.80	July 17	55.75	June 1	52.10	Aug. 28	54.53
17	52.42	Aug. 4	56.33	Sept. 1	53.90	Oct. 20	56.43
Feb. 9	52.34	Apr. 2, 1945	53.84	Nov. 1	55.33	Nov. 1	55.50
Mar. 9	52.34	May 5	52.26	Mar. 1, 1950	50.52	30	55.72
Apr. 5	52.51						

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, 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	+21.50	June 11	+21.25	Aug. 28	+21.25	Oct. 20	+19.50
Mar. 26	+21.75	July 29	+21.25	Sept. 16	+21.25	Nov. 30	+19.25

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 58.17 below lsd, Aug. 23, 1953. Records available: 1934-53. Feb. 18, 56.71; Apr. 25, 56.65; June 19, 57.00, pumping; Aug. 23, 58.17; Oct. 23, 58.11, Nov. 20, 58.15.

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: 1935-53. Feb. 18, 39.44; Apr. 25, 39.65; June 19, 39.72; Aug. 23, 41.23; Oct. 23, 41.10; Nov. 20, 41.11, nearby well being pumped.

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: 1934-53. Feb. 18, 2.90; Apr. 25, 3.40; June 19, 4.52; Aug. 23, 6.80; Oct. 23, 6.90; Nov. 20, 6.56.

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, 1942-53. Feb. 18, 4.00; Apr. 25, 4.28; June 19, 5.37; Oct. 23, 6.78; Nov. 20, 6.94.

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: 1945-53. Feb. 18, 2.36; Apr. 25, 2.37; June 19, 2.38; Aug. 23, 5.03; Oct. 23, 2.36; Dec. 16, 5.64.

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: 1940-53. Feb. 18, 7.93; Apr. 25, 8.81; June 19, 9.79; Aug. 23, 12.29; Oct. 23, 12.75, Dec. 16, 10.70.

Yakima County

12/18-1R1. U. S. Geological Survey. Driven observation water-table well in gravel, diameter $1\frac{1}{2}$ inches, depth 9 feet, cased to 7, screen to 9. Land-surface datum is about 995 feet above msl. Highest water level 2.70 below lsd, Jan. 19, 1953; lowest 5.34 below lsd, Apr. 7, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 17, 1952	5.16	Apr. 7, 1953	5.34	July 20, 1953	3.00	Oct. 6, 1953	2.98
Jan. 19, 1953	2.70	May 2	3.19	Aug. 14	3.12	30	2.90
Feb. 16	3.94	June 26	3.15	Sept. 4	4.01	Dec. 3	4.11

WYOMING

By H. M. Babcock

Scope of Water-Level Program

The observation-well program in Wyoming was continued in 1953 in cooperation with the State Engineer, the city of Cheyenne, and as part of the program for the development of the water resources of the Missouri River basin. Measurements of water levels were made in 106 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. The following reports containing tabulations of water-level measurements were issued during 1953: Geology and ground-water resources of the Egbert-Pine Bluffs-Carpenter area, Laramie County, Wyo. (U. S. Geol. Survey Water-Supply Paper 1140); Reconnaissance of the geology and ground-water resources of the Glendo-Wendover area, Platte County, Wyo. (U. S. Geol. Survey Circular 163); Ground-water conditions in the Soil and Moisture Conservation Demonstration area near Torrington, Goshen County, Wyo. (U. S. Geol. Survey.Circular 238); Reconnaissance of the geology and ground-water resources of the La Prele area, Converse County, Wyo. (U. S. Geol. Survey Circular 243). (See figs. 29-34 for 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 the alluvium along the stream valleys generally were lower in 1953 than they were in 1952, the average depth to water being about 0.4 foot lower in September 1953. Water levels in the Cheyenne municipal well field continued to decline during 1953. The average decline in water levels was 7.6 feet with the largest decline occurring in the part of the well field that was brought into production during the latter part of 1952 The withdrawal of ground water in the area was unusually large during the year. In the irrigated area along the North Platte River in Goshen County, the use of water for irrigation causes an appreciable fluctuation of the 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 September 1953, the average water level was about 0.8 foot lower than in September 1952, and about 0.3 foot lower than in September 1951. In the Wheatland Flats area, Platte County, the water levels rose rapidly as soon as irrigation water was applied in the spring and continued to rise until fall, when irrigation was discontinued. The average peak water level reached during 1953 was about 2.9 feet lower than the peak reached during the previous year. Water levels in the Riverton Project, Fremont County, rose an average of about 0.5 foot during the year. During the past year water levels declined in the Glendo area, Platte County, and the Owl Creek Project, Hot Springs County; and remained about the same in the Pass Creek area, Carbon County, and the Pine Bluffs area, Laramie County.

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, following 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. Below 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 base line system. Well numbers not preceded by a capital letter designate wells in the sixth principal meridian and base line system.

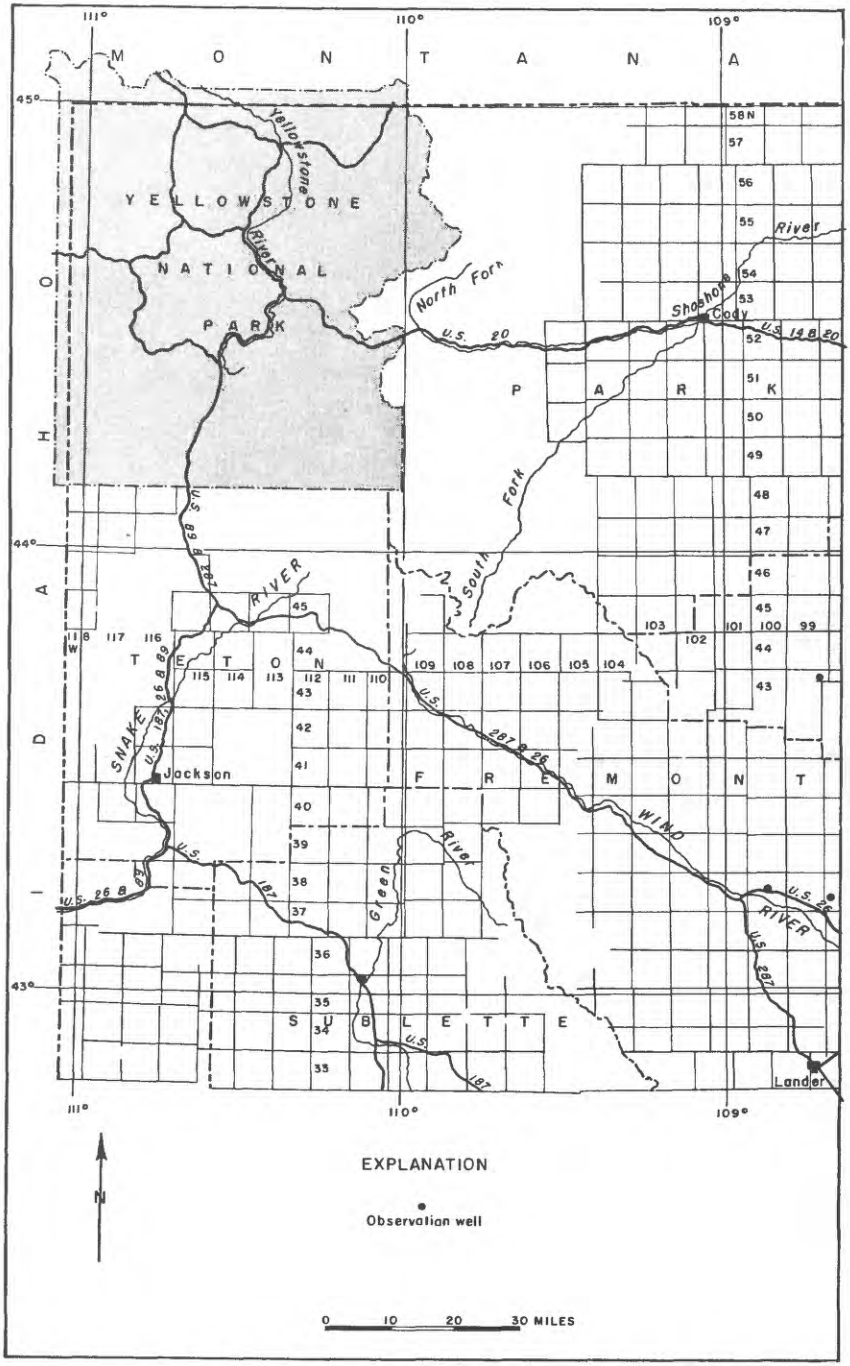


Figure 29. --Location of observation wells in northwestern Wyoming, 1953.

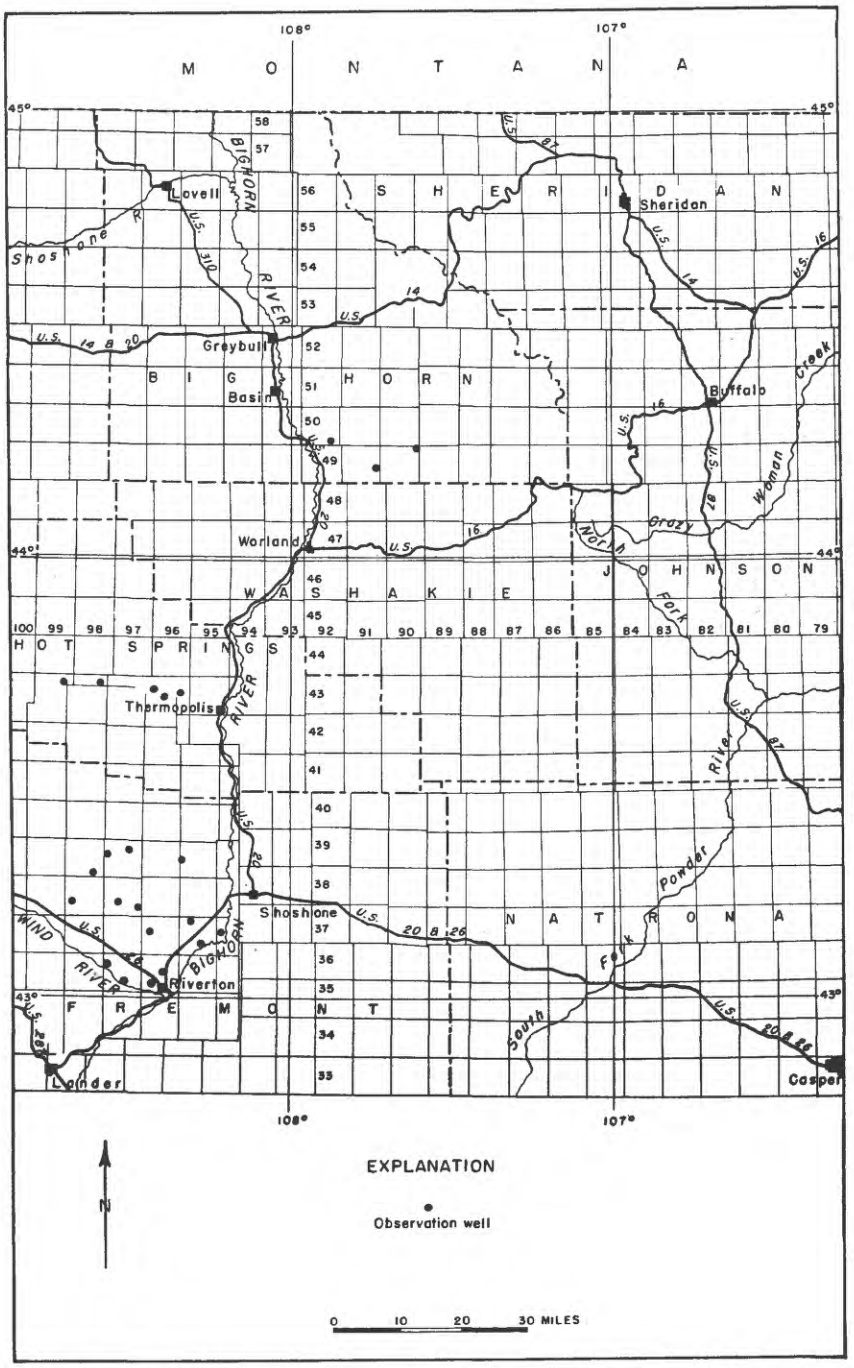


Figure 30. --Location of observation wells in north-central Wyoming, 1953.

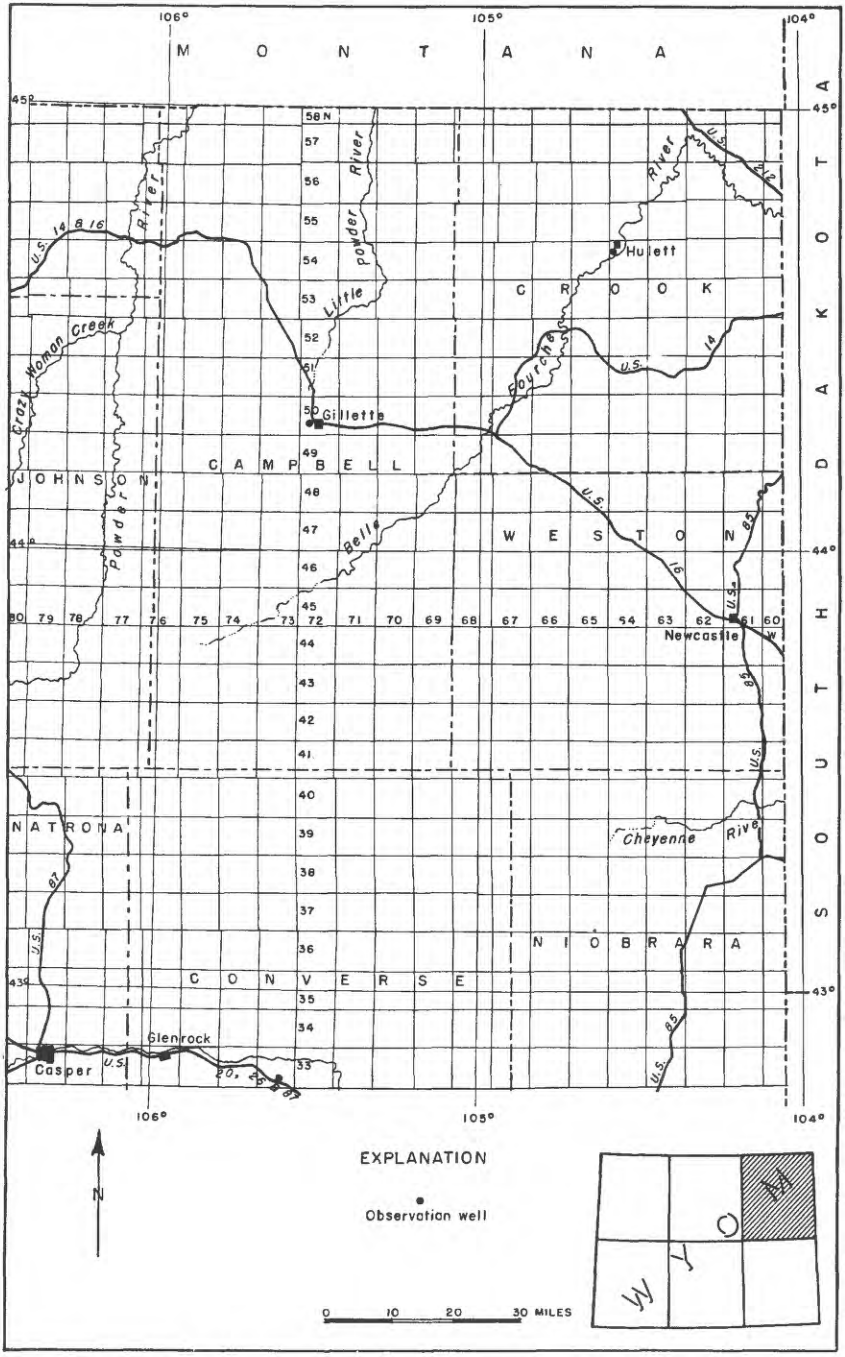


Figure 31. --Location of observation wells in northeastern Wyoming, 1953.

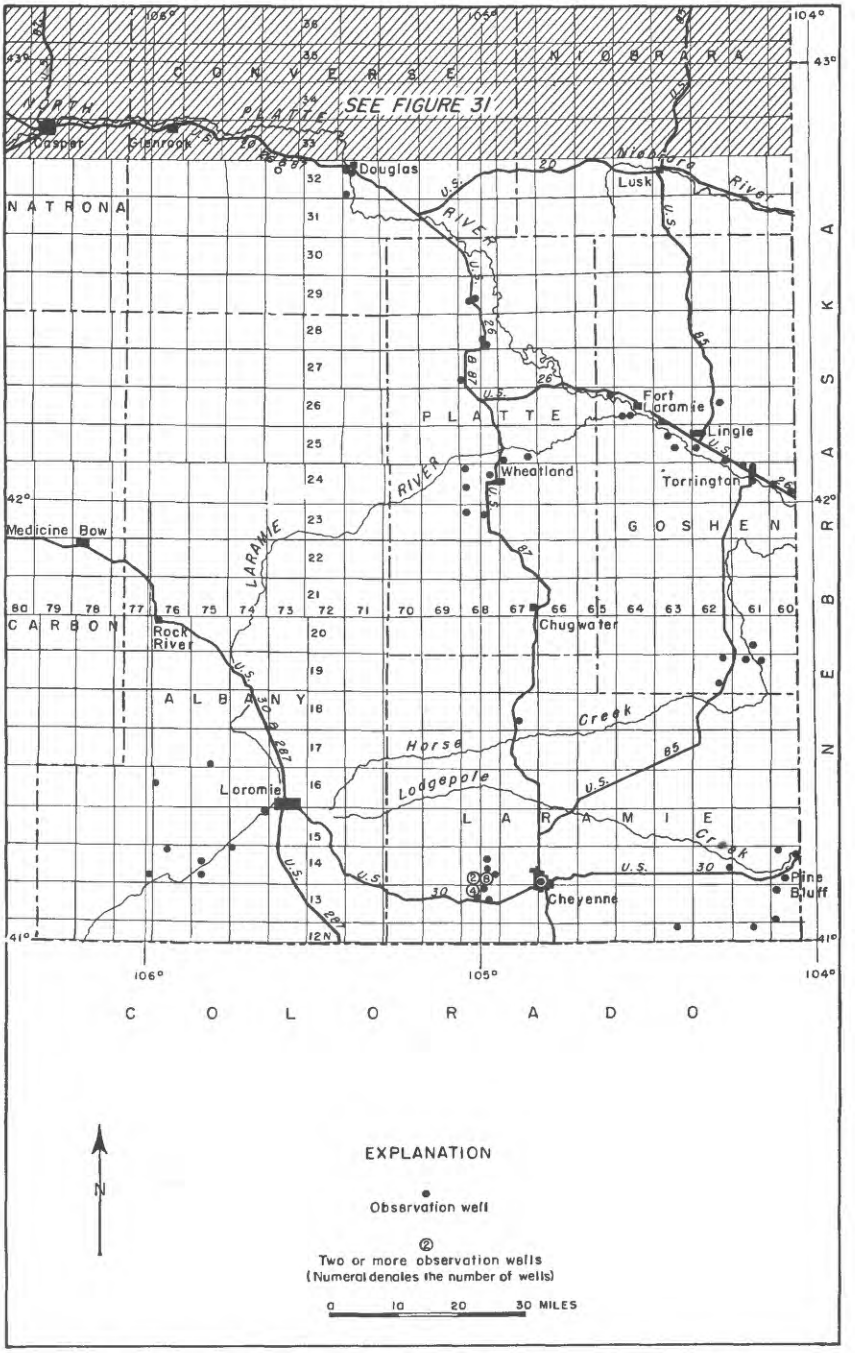


Figure 32. --Location of observation wells in southeastern Wyoming, 1953.

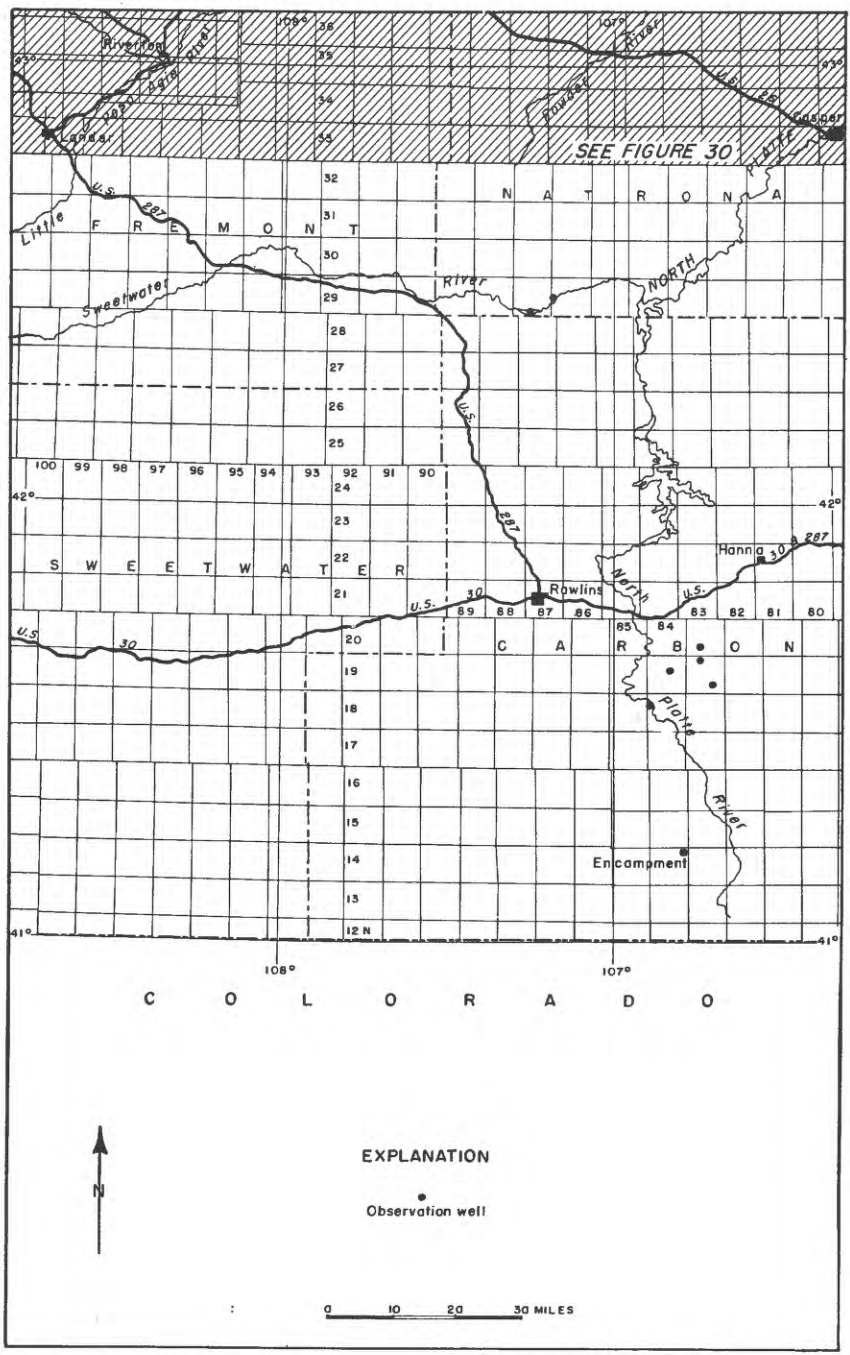


Figure 33. --Location of observation wells in south-central Wyoming, 1953.

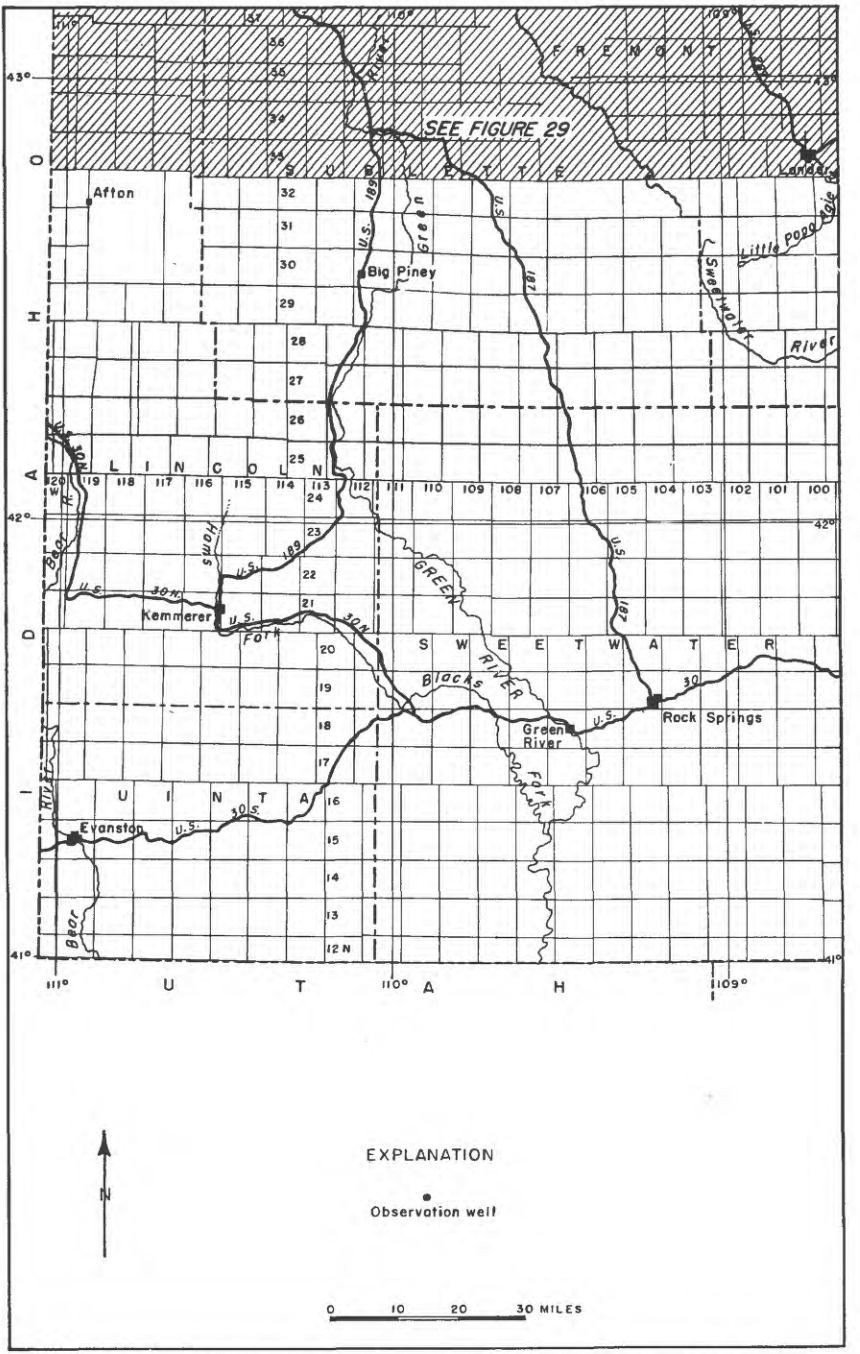
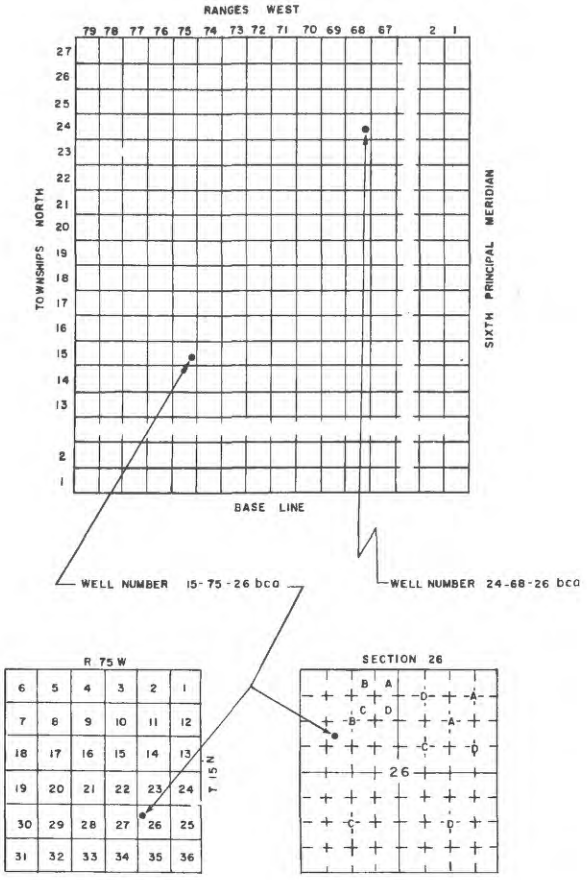


Figure 34. --Location of observation wells in southwestern Wyoming, 1953.



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: 1948-53. Mar. 24, 5.58; Sept. 2, 6.29.

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 6.87 below lsd, Jan. 22, 1951. Records available: 1948-53. Mar. 24, 6.23; Sept. 2, 6.75.

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: 1948-53. Sept. 2, 5.10.

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 6.58 below lsd, Sept. 23, 1952. Records available: 1948-53. Mar. 24, 5.70; Sept. 4, 6.38.

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 32.77 below lsd, July 20, 1950. Records available: 1948-53. Mar. 24, 29.61; Sept. 2, 25.42, pumping.

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 8.67 below lsd, Mar. 22, 1951. Records available: 1948-53. Mar. 24, 6.58; Sept. 2, 4.56, pumping.

16-78-18dbb. 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* July 8, 1949, May 24, July 23, 1951; lowest 6.02 below lsd, Sept. 23, 1952. Records available: 1948-53. Mar. 24, 4.74; Sept. 2, 5.43. *Water at land surface in adjacent field.

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 6.42 below lsd, Dec. 14, 1948. Records available: 1948-53. Sept. 2, 5.10.

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: 1947-53. Apr. 8, 9.34; July 7, 6.13.

49-91-24bba. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter $\frac{3}{4}$ 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 28, 1951; lowest dry at 11.00, May 29, July 31, 1951. Records available: 1951-53. Apr. 8, 8.88; July 7, 7.92.

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 8.88 below lsd, July 26, 1948; lowest 19.04 below lsd, Aug. 31, 1950. Records available: 1947-53. Apr. 8, 11.92; July 7, 10.89.

50-92-35adc. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter $\frac{3}{4}$ 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: 1951-53. May 5, 17.22; July 7, 14.52.

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 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	77.41	May 4	78.55	July 21	79.54	Nov. 19	78.60
Feb. 4	78.22	June 8	78.39	Sept. 3	78.56	Dec. 16	78.70
Mar. 16	78.18						

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 9.83 below lsd, Oct. 27, 1950. Records available: 1950-53. Mar. 25, 9.52; Sept. 3, 9.18.

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 8.20 below lsd, Sept. 3, 1953. Records available: 1950-53. Mar. 25, 6.77; Sept. 3, 8.20.

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 3.47 below lsd, Sept. 3, 1953. Records available: 1950-53. Sept. 3, 3.47.

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: 1950-53. Mar. 25, 114.98; Sept. 3, 115.20.

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: 1950-53. Mar. 25, 17.64; Sept. 3, 16.16.

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 13.96 below lsd, June 26, 1951. Records available: 1950-52. No measurement made in 1953.

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: 1950-53. Mar. 19, 13.77; Sept. 4, 13.80.

33-73-27abc. U. S. Geol. Survey. Drilled observation water-table well in silt of slope wash, diameter $\frac{3}{4}$ inch, depth 14 feet. Highest water level 2.73 below lsd, Apr. 4, 1952; lowest 6.86 below lsd, Sept. 4, 1953. Records available: 1950-53. Mar. 19, 4.60; Sept. 4, 6.86.

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: 1942-53.

Date	Water level	Date	Water level	Date	Water level	Date	Wate level
Jan. 23	14.76	Apr. 27	14.52	July 20	14.29	Oct. 22	14.90
Feb. 24	14.70	May 20	13.98	Aug. 20	14.31	Nov. 20	15.27
Mar. 20	14.42	June 23	13.74	Sept. 22	14.61	Dec. 21	15.27

Fremont County

A-1-3-7ad3. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 29 feet, 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: 1951-53. Apr. 23, 20.22; Sept. 26, 9.55.

A-1-3-27bb. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter $\frac{3}{4}$ 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: 1951-53. Apr. 23, 5.60; Sept. 26, 3.14.

A-1-4-15dd3. U. S. Geol. Survey. Jetted unused water-table well in terrace deposits, diameter $\frac{3}{4}$ 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: 1951-53. Apr. 24, 5.32; Sept. 28, 3.79.

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: 1949-53. Apr. 23, 183.06; May 8, 183.13; Sept. 28, 190.44.

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: 1951-53. Apr. 24, 3.69; Sept. 26, 3.05.

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 1.96 below lsd, Sept. 26, 1953; lowest 8.88 below lsd, Aug. 29, 1952. Records available: 1951-53. Apr. 24, 5.35; Sept. 26, 1.96.

A-2-5-28ca. U. S. Geol. Survey. Jetted unused water-table well in terrace deposits, diameter ¾ 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: 1951-53. Apr. 24, 14.27; Sept. 26, 6.15.

A-2-6-18da. U. S. Geol. Survey. Jetted unused water-table well in terrace deposits, diameter ¾ inch, depth 24 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: 1951-53. Apr. 24, 14.12; Sept. 26, 6.11.

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: 1948-53. Apr. 24, 25.85; Sept. 26, 18.46.

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 149.87 below lsd, Aug. 3, 1949. Records available: 1948-53. Apr. 24, 147.88; Sept. 26, 147.98.

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 9.40 below lsd, Sept. 26, 1953; lowest 13.67 below lsd, Apr. 24, 1953. Records available: 1951-53. Apr. 24, 13.67; Sept. 26, 9.40.

A-4-2-35cc. U. S. Bureau of Reclamation. Drilled unused water-table well in alluvium, diameter 3 inches, depth 20 feet, perforation 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: 1951-53. Apr. 24, 9.56; Sept. 26, 7.65.

A-4-3-11ab. U. S. Bureau of Indian Affairs. Drilled unused artesian well in sandstone of Wind River formation, diameter 5 inches, depth 102 feet. Highest water level 59.43 below lsd, Sept. 28, 1951; lowest 73.23 below lsd, June 26, 1951. Records available: 1947-53. Apr. 24, 66.67. Measurement discontinued.

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: 1951-53. Apr. 24, 1937; Sept. 26, 6.40.

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: 1947-53. Apr. 24, 69.43; Sept. 26, 80.15.

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: 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 28, 1949	13.13	Aug. 28, 1950	8.45	June 26, 1951	7.70	Jan. 29, 1952	12.23
Jan. 27, 1950	13.79	Sept. 25	6.22	July 31	5.76	Feb. 28	15.48
Feb. 28	14.14	Oct. 30	9.98	Aug. 29	7.98	Mar. 28	14.10
Mar. 27	14.32	Dec. 6	11.98	Oct. 1	8.11	May 13	14.24
Apr. 26	14.62	Jan. 3, 1951	12.74	29	10.35	Aug. 29	12.57
May 29	13.60	Feb. 2	13.33	Nov. 28	11.65	Apr. 23, 1953	14.71
July 6	8.42	Apr. 28	13.89	Dec. 27	12.56	Sept. 26	7.60
Aug. 15	7.17	June 1	13.74				

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, 1949-53. Mar. 13, 16.88; Sept. 10, 16.89.

19-61-4cdd. Hugh Stemler. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 33 feet, cased to 33 feet. 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, 1948-53. Mar. 13, 8.34; Sept. 10, 21.09, 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, 1949-53. Mar. 13, 57.24; Sept. 10, 57.53.

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: 1948-53. Mar. 13, 26.27; Sept. 10, 25.77.

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, 1949-53. Mar. 13, 31.55; Sept. 10, 30.29.

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: 1948-53. Mar. 16, 13.95; Sept. 10, 11.16.

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 22.59 below lsd, Mar. 23, 1951. Records available: 1948-53. Mar. 16, 18.30; Sept. 10, 14.89.

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. Mar. 13, 23.17; Sept. 9, 19.68.

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 20.93 below lsd, Apr. 17, 1951. Records available: 1948-53. Mar. 13, 20.64; Sept. 9, 18.94.

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: 1948-53. Mar. 13, 11.04; Sept. 9, 9.35.

25-61-28dbc. M. W. Berry. Drilled irrigation water-table well in gravel of terrace deposits, diameter 24 inches, depth 109 feet. Land-surface datum is 4,223.1 feet above msl. Highest water level 37.48 below lsd, Oct. 16, 1951; lowest 49.39 below lsd, May 5, 1943. Records available: 1943, 1948-52. Measurement discontinued.

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. Mar. 13, 24.25; Sept. 9, 19.85.

25-62-36cad. W. W. Weckwerth. Driven irrigation water-table well in sand and gravel of alluvium, diameter $1\frac{1}{2}$ 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. Mar. 13, 5.02.

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, 1948-53. Mar. 13, 22.70; Sept. 9, 17.73.

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. Mar. 13, 19.06.

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: 1948-53. Mar. 13, 12.13; Sept. 9, 12.09.

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: 1948-53. Mar. 13, 24.02; Sept. 9, 19.26.

26-64-8cdb. W. H. McDonald. Dug and drilled irrigation water-table well in sand and gravel of alluvium, diameter 24 inches, depth 45 feet, cribbed with galvanized iron. Highest water level 17.48 below lsd, Aug. 30, 1949; lowest 26.40 below lsd, Mar. 22, 1951. Records available: 1948-52. Measurement discontinued.

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: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	16.28	Apr. 21	16.07	July 21	15.37	Oct. 21	16.01
Feb. 20	16.44	May 23	16.10	Aug. 20	15.63	Nov. 20	16.16
Mar. 30	16.50	June 20	15.69	Sept. 22	15.57	Dec. 19	16.49

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 18.86 below lsd, Jan. 22, 1952. Records available: 1942-43, 1946-53.

Jan. 20	18.41	Apr. 21	17.60	July 21	18.18	Oct. 21	18.22
Feb. 20	18.58	May 23	16.34	Aug. 20	17.97	Nov. 20	18.09
Mar. 30	18.65	June 20	17.40	Sept. 22	18.24	Dec. 19	18.60

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: 1948-53. Mar. 13, 18.89; Sept. 9, 15.19.

Hot Springs County

43-96-7ccc. U. S. Geol. Survey. Jetted unused water-table well in terrace deposits, diameter $\frac{3}{4}$ 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 10.44 below lsd, May 8, 1953. Records available: 1951-53. May 8, 10.44; July 7, 7.61.

43-96-14bda. Leonard Thornton. 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: 1946-53. Apr. 1, 26.96; July 7, 22.44.

A-8-4-10dcc. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter $\frac{3}{4}$ 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 10.38 below lsd, Apr. 1, 1953. Records available: 1951-52. Apr. 1, 10.38; July 7, 9.74.

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 8.24 below lsd, Mar. 12, 1947. Records available: 1946-53. Apr. 1, 7.88; July 7, 7.20.

A-9-2-35aab. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter $\frac{3}{4}$ 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: 1951-53. Apr. 1, 10.93; July 7, 7.52.

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: 1945-53. Apr. 3, 35.20; Oct. 25, 31.57.

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: 1942-53. Apr. 3, 44.57; Oct. 25, 45.30.

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 47.62 below lsd, Nov. 1, 1948. Records available: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 25, 1940	44.31	May 21, 1942	31.17	Apr. 28, 1944	33.01	Nov. 1, 1948	47.62
Dec. 17	44.39	June 19	32.99	June 28	35.49	Apr. 11, 1949	36.64
Jan. 16, 1941	44.47	July 20	34.78	Oct. 2	43.93	July 1	35.77
Feb. 18	44.26	Sept. 21	39.25	31	42.47	May 3, 1950	40.19
Mar. 21	43.42	Oct. 23	39.41	Jan. 6, 1945	42.85	31	40.70
Apr. 22	40.63	Nov. 29	39.20	Feb. 12	40.95	June 25	42.75
May 22	39.48	Dec. 29	37.78	Sept. 27	41.31	July 30	46.57
June 6	39.94	Jan. 30, 1943	37.11	Oct. 30	42.14	Oct. 9	43.21
20	33.70	Mar. 15	35.65	Nov. 28	41.56	Nov. 1	44.03
July 21	37.35	Apr. 15	33.91	Dec. 28	41.38	Dec. 4	37.56
Sept. 26	42.64	May 21	31.25	Jan. 30, 1946	40.05	May 1, 1951	29.60
Oct. 20	42.87	June 9	31.23	Mar. 6	38.83	28	32.15
Nov. 28	43.04	10	31.25	Apr. 12	36.40	July 30	35.87
Dec. 23	43.02	Nov. 19	41.00	25	36.88	Sept. 19	32.32
Jan. 19, 1942	43.00	Dec. 22	41.02	July 11	38.35	Apr. 1, 1952	25.88
Feb. 26	42.38	28	40.91	Dec. 17	42.77	Sept. 8	37.03
Mar. 24	38.43	Jan. 28, 1944	40.96	May 1, 1947	41.97	Apr. 3, 1953	30.29
Apr. 28	33.34	Feb. 25	40.03	June 26	36.02	Oct. 25	37.80

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: 1940-53. Apr. 3, 37.00; Oct. 25, 38.98.

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 161. Land-surface datum is 6,555.5 feet above msl. Highest water level 77.59 below lsd, June 27, 1945; lowest 94.10 below lsd, Mar. 29, 1953. Records available: 1944-53. Feb. 4, 92.56; Feb. 27, 92.77; Mar. 29, 94.10; May 1, 93.22; June 2, 93.51.

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 101.60 below lsd, Dec. 4, 1953. Records available: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 29	93.30	June 30	96.45	Sept. 4	100.70	Dec. 4	101.60
May 1	92.75	July 29	97.74	28	100.60	29	99.80
June 2	91.91						

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, Mar. 23, 1945; lowest 122.50 below lsd, Dec. 4, 1953. Records available: 1944-53. Jan. 6, 113.19; Feb. 4, 113.67; Feb. 27, 113.61; Mar. 29, 114.30; June 2, 115.42; Sept. 4, 120.69; Dec. 4, 122.50.

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 195.86 below lsd, Dec. 29, 1953. Records available: 1945-48, 1950-53. Jan. 6, 179.50; Feb. 4, 180.28; Feb. 27, 185.27; Mar. 29, 185.90; June 2, 187.80; Nov. 29, 194.85; Dec. 29, 195.86.

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 140.49 below lsd, Dec. 29, 1953. Records available: 1944-48, 1950-53. Jan. 6, 131.18; Feb. 4, 131.97; Feb. 27, 132.25; Mar. 29, 132.90; June 2, 134.60; Nov. 29, 138.75; Dec. 29, 140.49.

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 58.68 below lsd, Aug. 1, 1945. Records available: 1945-53. Jan. 28, 49.85; Feb. 27, 49.88; May 8, 50.55; June 9, 52.18; July 24, 55.08; Sept. 28, 53.09; Dec. 4, 54.46; Dec. 22, 55.06.

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 117.49 below lsd, Dec. 22, 1953. Records available: 1949-53. Jan. 28, 112.76; Feb. 27, 111.80; May 8, 114.35; June 9, 115.77; July 24, 115.72; Sept. 28, 116.55; Dec. 4, 116.80; Dec. 22, 117.49.

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: 1943-53. Apr. 3, 32.08; Oct. 25, 35.26.

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: 1943-53. Apr. 3, 18.20; Oct. 25, 16.78.

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 28.72 below lsd, Oct. 9, 1950. Records available: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 28, 1940	24.67	Sept. 21, 1942	23.69	Oct. 31, 1944	22.43	Dec. 1, 1948	24.98
Dec. 17	24.65	Oct. 23	22.60	Dec. 4	22.25	Apr. 8, 1949	24.90
Jan. 16, 1941	24.60	Nov. 29	22.06	Jan. 6, 1945	22.25	Oct. 7	27.48
Feb. 18	24.59	Dec. 29	21.73	Feb. 12	23.17	Nov. 2	26.37
Mar. 21	24.58	Jan. 30, 1943	21.48	Mar. 8	22.32	28	26.20
Apr. 22	24.49	Mar. 12	21.09	Apr. 7	21.77	Jan. 4, 1950	25.89
May 22	24.25	Apr. 15	20.76	May 7	21.56	Feb. 6	28.31
June 6	24.47	May 21	20.46	July 26	21.98	Apr. 2	25.69
20	22.96	June 10	20.08	Sept. 27	24.90	May 3	25.51
July 10	22.81	Sept. 11	22.30	Oct. 30	22.65	31	26.07
Oct. 20	24.57	Oct. 6	22.40	Nov. 28	22.69	Oct. 9	28.72
Nov. 28	24.27	Nov. 18	21.27	Dec. 28	22.25	Nov. 1,	28.21
Dec. 23	24.08	Dec. 22	21.08	Jan. 30, 1946	22.08	Dec. 4	27.24
Jan. 19, 1942	23.98	Jan. 24, 1944	20.96	Mar. 6	21.88	Jan. 3, 1951	26.54
Feb. 26	23.82	Feb. 24	20.90	Apr. 12	21.63	Feb. 8	27.19
Mar. 24	23.70	Apr. 28	20.49	Oct. 5	25.15	Mar. 10	25.93
Apr. 28	23.36	June 27	20.84	Dec. 17	24.14	May 1	25.14
May 21	22.72	July 29	21.03	May 1, 1947	23.09	28	25.14
June 19	21.94	Aug. 31	23.20	June 27	22.31	Apr. 1, 1952	21.49
July 20	22.15	Oct. 2	23.60	Nov. 1, 1948	26.34	Apr. 3, 1953	26.24

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: 1940-53. Apr. 3, 31.20; Sept. 17, 31.27.

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 9.43 below lsd, July 2, 1950; lowest 13.76 below lsd, Nov. 27, 1943. Records available: 1942-45, 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4	12.20	May 1	11.71	July 29	11.32	Dec. 4	11.18
27	12.17	June 2	10.79	Sept. 4	11.46	29	11.60
Mar. 29	12.17	30	11.08	28	11.23		

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 10.64 below lsd, Nov. 28, 1953. Records available: 1941-48, 1950-53.

Jan. 28	9.22	May 1	8.86	July 24	9.94	Nov. 28	10.64
Feb. 27	9.14	June 2	9.67	Sept. 4	10.11	Dec. 29	10.60
Mar. 29	9.23	30	9.72	28	10.55		

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 71.66 below lsd, Sept. 28, 1953. Records available: 1940-47, 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	66.30	Mar. 29	62.64	June 9	67.69	Nov. 29	64.09
Feb. 4	67.05	May 8	62.64	Sept. 28	71.66	Dec. 22	66.15
27	63.20						

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: 1941-53.

Jan. 28	42.90	Mar. 29	41.69	June 9	43.90	Nov. 28	44.70
Feb. 27	45.08	May 1	41.79	Sept. 28	43.91	Dec. 22	44.10

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, Nov. 11, 1940; lowest 43.85 below lsd, Dec. 22, 1953. Records available: 1940-53. Jan. 28, 40.14; Mar. 4, 41.02; Mar. 29, 40.60; May 1, 40.07; June 2, 39.10; Nov. 29, 43.35; Dec. 22, 43.85.

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 64.66 below lsd, Oct. 3, 1951. Records available: 1940, 1942-53.

Feb. 4	58.62	Apr. 4	56.85	June 9	58.80	Nov. 29	62.95
Mar. 4	58.49	May 1	56.71	Sept. 28	63.62	Dec. 29	63.95

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 142.02 below lsd, Dec. 29, 1953. Records available: 1947-53.

Jan. 28	134.38	Mar. 29	135.08	June 9	135.89	Nov. 29	141.21
Feb. 27	135.25	May 1	134.38	Sept. 28	141.91	Dec. 29	142.02

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 6,634.0 feet above msl. Highest water level 139.34 below lsd, Apr. 28, 1947; lowest 168.39 below lsd, Dec. 29, 1953. Records available: 1945-48, 1950-53.

Jan. 6	155.89	Apr. 4	159.92	Sept. 4	165.50	Dec. 4	167.55
Feb. 4	157.69	May 1	159.11	28	167.14	29	168.39
Mar. 4	157.79	June 2	158.89				

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 57.40 below lsd, Sept. 28, 1953. Records available: 1940, 1942-53.

Feb. 4	47.15	Apr. 4	44.54	June 9	48.99	Nov. 29	50.75
Mar. 4	46.85	May 1	45.51	Sept. 28	57.40	Dec. 29	54.39

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 113.35 below lsd, Sept. 4, 1953. Records available: 1944-48, 1950-53.

Feb. 4	104.07	Apr. 4	98.78	June 2	101.57	Sept. 28	111.81
27	104.12	May 1	103.59	Sept. 4	113.35	Dec. 29	113.00

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 101.80 below lsd, July 29, 1953. Records available: 1945-53. Jan. 28, 90.90; Feb. 27, 92.98; Mar. 29, 95.97; May 8, 101.10; June 2, 90.35; July 29, 101.80; Dec. 4, 97.47.

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: 1941-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	36.93	Mar. 29	37.23	June 2	38.64	Dec. 4	38.05
Mar. 4	38.48	May 8	40.75	Sept. 28	41.00	29	41.37

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 33.86 below lsd, Feb. 16, 1951. Records available: 1941-53.

Jan. 28	31.19	Mar. 29	29.24	June 2	28.44	Dec. 4	31.38
Feb. 27	30.59	May 1	28.86	Sept. 28	32.44	22	31.59

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: 1941-53.

Jan. 28	36.50	Mar. 29	39.23	June 2	41.09	Dec. 4	40.86
Mar. 4	41.42	May 8	44.02	Sept. 28	44.58	29	47.67

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 11.41 below lsd, Mar. 27, 1950. Records available: 1949-53. Mar. 19, 11.27.

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 9.69 below lsd, Apr. 13, 1953. Records available: 1942-43, 1946-53.

Jan. 13	9.19	Apr. 13	9.69	July 30	7.74	Nov. 3	8.89
Feb. 6	9.44	May 19	9.59	Oct. 5	8.46	Dec. 3	9.09
Mar. 10	9.52	June 12	8.14				

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 7.32 below lsd, Oct. 13, 1947. Records available: 1942-43, 1946-53.

Jan. 13	6.30	Apr. 13	6.19	July 30	5.48	Nov. 3	6.39
Feb. 6	6.28	May 19	5.60	Oct. 5	6.32	Dec. 3	6.39
Mar. 10	6.25	June 12	4.10				

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: 1948-53.

Jan. 23	3.50	Mar. 19	2.85	May 21	4.84	Sept. 4	6.57
Mar. 3	3.59	Apr. 28	4.07	July 14	5.52	Nov. 3	6.12

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 19.04 below lsd, Apr. 28, 1949. Records available: 1948-53.

Jan. 23	16.52	Mar. 19	16.65	May 21	17.83	Sept. 4	17.03
Mar. 3	16.58	Apr. 28	17.88	July 14	16.77	Nov. 3	18.67

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 5.87 below lsd, May 23, 1950. Jan. 23, 2.86; Mar. 19, 3.99; Apr. 28, 4.76; May 21, 4.25; July 14, 2.04; Sept. 4, 1.57, water in adjacent canal; Nov. 3, 3.07, water in adjacent canal.

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. Jan. 23, 2.19; Mar. 19, 1.94; Apr. 28, 2.29; May 21, 3.21; July 14, 4.13; Sept. 4, 4.20.

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 12.07 below lsd, May 22, 1951. Records available: 1948-53. Jan. 23, 7.41; Mar. 3, 7.64; Mar. 19, 8.22; Apr. 28, 10.37, pumped recently; July 23, 7.86, water in adjacent canal; Sept. 4, 7.68; Nov. 3, 10.22.

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: 1948-53. Jan. 23, 73.51; Mar. 3, 76.15; Apr. 28, 77.67; July 14, 75.09; Sept. 4, 75.31, pumping; Nov. 3, 75.76.

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 21.00 below lsd, May 22, 1951. Records available: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	17.40	Mar. 19	18.41	May 21	19.37	Sept. 4	a16.29
Mar. 3	18.48	Apr. 28	19.59	July 14	16.53	Nov. 3	a16.29

a Pumping.

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 10.24 below lsd, Nov. 3, 1948. Records available: 1948-53.

Jan. 23	9.88	Mar. 18	9.84	May 22	10.02	Sept. 4	10.10
Mar. 3	9.92	Apr. 28	9.98	July 20	9.96	Nov. 3	10.00

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: 1949-53.

Jan. 23	29.53	Mar. 19	28.66	May 22	28.43	Sept. 4	30.09
Mar. 3	28.48	Apr. 28	27.96	July 20	29.26	Nov. 3	29.58

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: 1949-53. Jan. 23, 3.83; Mar. 3, 3.79; Mar. 19, 3.20; Apr. 28, 3.48; Nov. 3, 4.21, pumping.

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 35.16 below lsd, Nov. 4, 1948. Records available: 1948-53.

Jan. 23	30.44	Mar. 19	29.13	May 22	29.17	Sept. 4	32.11
Mar. 3	30.37	Apr. 28	29.32	July 20	29.90	Nov. 3	34.44

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: 1948-53. Jan. 23, 9,17; Mar. 3, 8.99; Mar. 19, 8.78; Apr. 28, 7.95; May 22, 7.63; Sept. 4, 9.12; Nov. 3, 8.81.

Sublette County

35-111-8db. Robert Albert. Dug observation water-table well in alluvium, size 10 by 10 feet to 14 feet, 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: 1942-53.

Jan. 14	28.09	Apr. 9	29.16	Aug. 20	23.97	Nov. 5	26.35
Feb. 12	28.56	May 15	29.06	Sept. 23	24.66	Dec. 11	27.51
Mar. 12	28.75	July 16	26.48	Oct. 15	25.53		

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