Water Levels and Artesian Pressures in Observation Wells in the United States in 1951

Part 5. Northwestern States

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

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1195

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

UNITED STATES GOVERNMENT PRINTING OFFICE, WASHINGTON : 1954

UNITED STATES DEPARTMENT OF THE INTERIOR

Douglas McKay, *Secretary*

GEOLOGICAL SURVEY

W. E. Wrather, *Director*

For sale by the Superintendent of Documents, U. S. Government Printing Office
Washington 25, D. C. - Price 55 cents (paper cover)

PREFACE

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

C. G. Paulsen_____Chief Hydraulic Engineer
A. N. Sayre_____Chief, Ground Water Branch
Thad G. McLaughlin__District Geologist (Ground Water), Denver, Colo.
R. L. Nace_____District Geologist (Ground Water), Boise, Idaho
F. A. Swenson_____District Geologist (Ground Water), Billings, Mont.
R. C. Newcomb____District Geologist (Ground Water), Portland, Oreg.
H. A. Waite___District Geologist (Ground Water), Salt Lake City, Utah
M. J. Mundorff_____District Geologist (Ground Water), Tacoma, Wash.

CONTENTS

ILLUSTRATIONS

WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS IN THE UNITED STATES IN 1951

Part 5. NORTHWESTERN

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 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 1951.

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

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 by 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 by 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 depending upon 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. Verda M. Dougherty edited the reports; Rodney Hart edited the illustrations; and Penn Livingston had

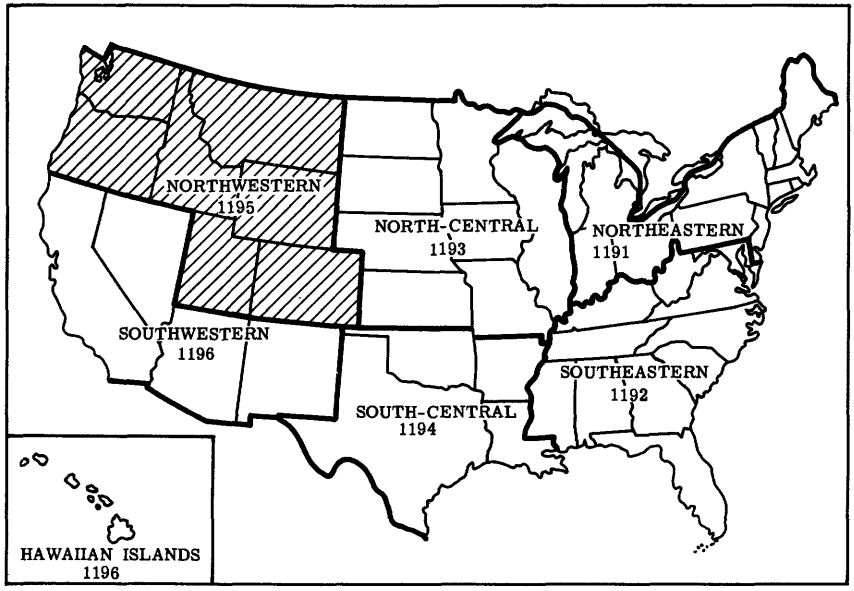


Figure 1. --Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1951. The shaded area indicates the States included in this volume.

general charge of the nation-wide observation-well program. This volume was typed by Betty-Jo Ebner and completed by Jean B. Evans.

COLORADO

By V. M. Burtis

Scope of Water-Level Program

The observation-well program in Colorado was continued in 1951 in cooperation with the State Water Conservation Board and with the State Agricultural Experiment Station. In 1951, measurements were made in 212 wells. The water levels in 131 wells were measured by W. E. Code of the Agricultural Experiment Station. Three wells were equipped with recording gages. For observation wells in Colorado see figures 2-9. The index is on figure 5.

Precipitation

Precipitation in Colorado was nearly normal in 1951. In general, precipitation in the south half of the State, which is a part of the southwestern drought area, was below normal whereas precipitation in the north half of the State was above normal.

Interpretation of Water-Level Fluctuations

Water levels continued to decline in 1951, particularly in that part of Colorado lying in the southwestern drought area. Some water levels reached record or near-record lows in San Luis Valley, Cucharas Valley, and Huerfano Valley. There was no significant trend of water levels in most of the South Platte Valley, where surface water diverted for irrigation is a source of rapid recharge. The greatest decline of water level in the main stem of the valley was in the vicinity of Denver, where water levels reached the lowest point in 10 years of measurements. The most significant declines of water level in Colorado were in the flood plains of the major tributaries of the South Platte River. In these valleys, there is extensive pumpage of water for irrigation with little or no spreading of diverted surface water available for recharge. Water levels declined almost 0.5 foot in Big Beaver Valley, almost 1 foot in Bijou Creek Valley, and about 2 feet in Prospect Valley. These declines were caused entirely by pumpage for irrigation, inasmuch as rainfall in those areas was above normal in 1951.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first letter of a well number gives the quadrant of the meridian and 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 lower-case 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 26.83 below lsd, Oct. 4, 1948. Records available: 1940-51. Feb. 6, 25.42; Apr. 12, 25.02; Oct. 29, 26.46.

C-1-60-17dcc. Carl Sanden. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 87 feet. Land-surface datum is 4,830.8 feet above msl. Highest water level 25.09 below lsd, Nov. 19, 1942; lowest 35.33 below lsd, Sept. 1, 1948. Records available: 1942-51. Feb. 6, 30.83; Apr. 12, 30.24; Oct. 29, 32.78.

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 34.88 below lsd, Oct. 4, 1948. Records available: 1934, 1941-51. Feb. 6, 31.69; Apr. 12, 32.30; Oct. 29, 33.82.

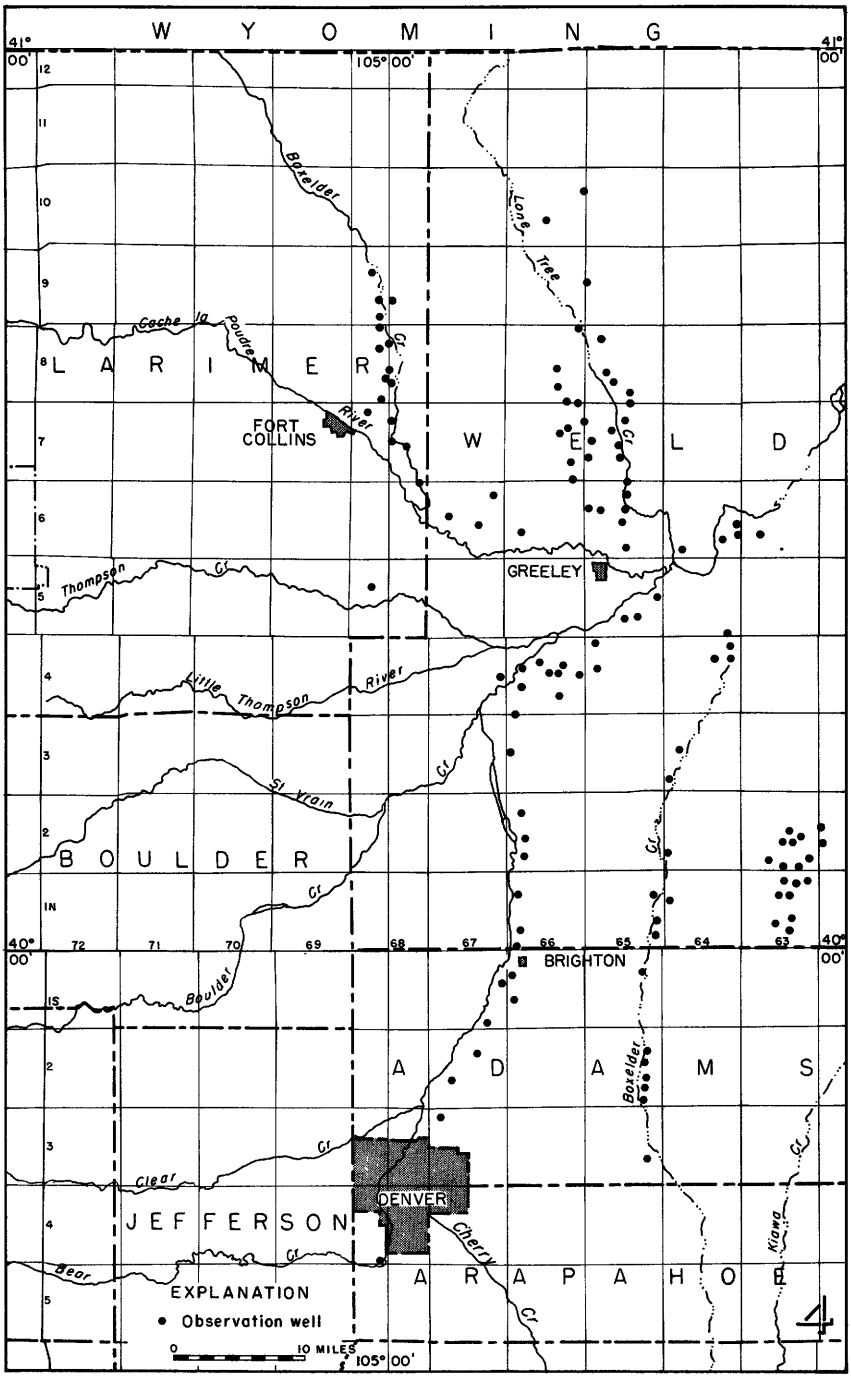


Figure 2. --Location of observation wells in Adams, Arapahoe, Larimer,and Weld Counties, Colc.

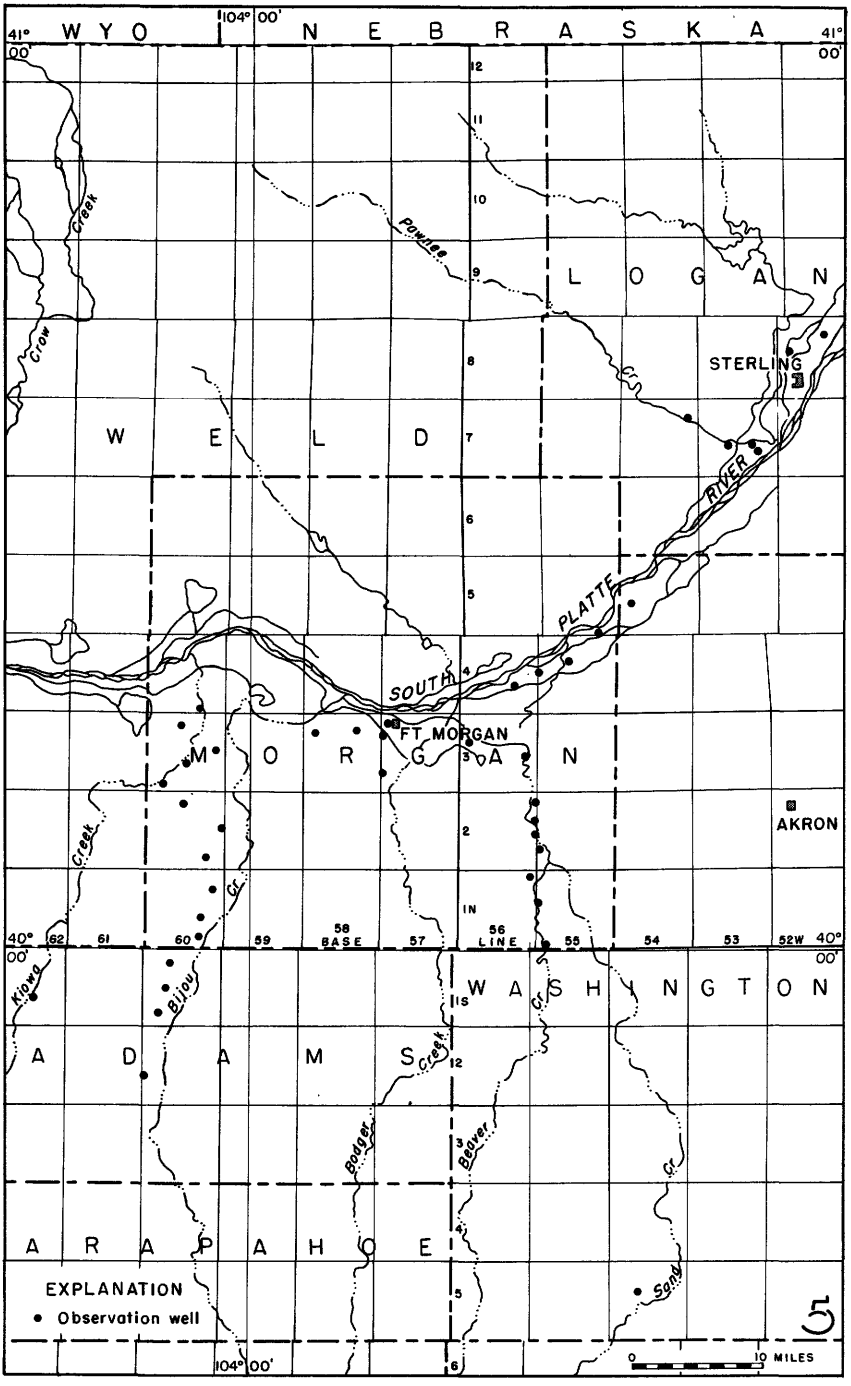


Figure 3.--Location of observation wells in Adams, Logan, Morgan, and Washington Counties, Colo.

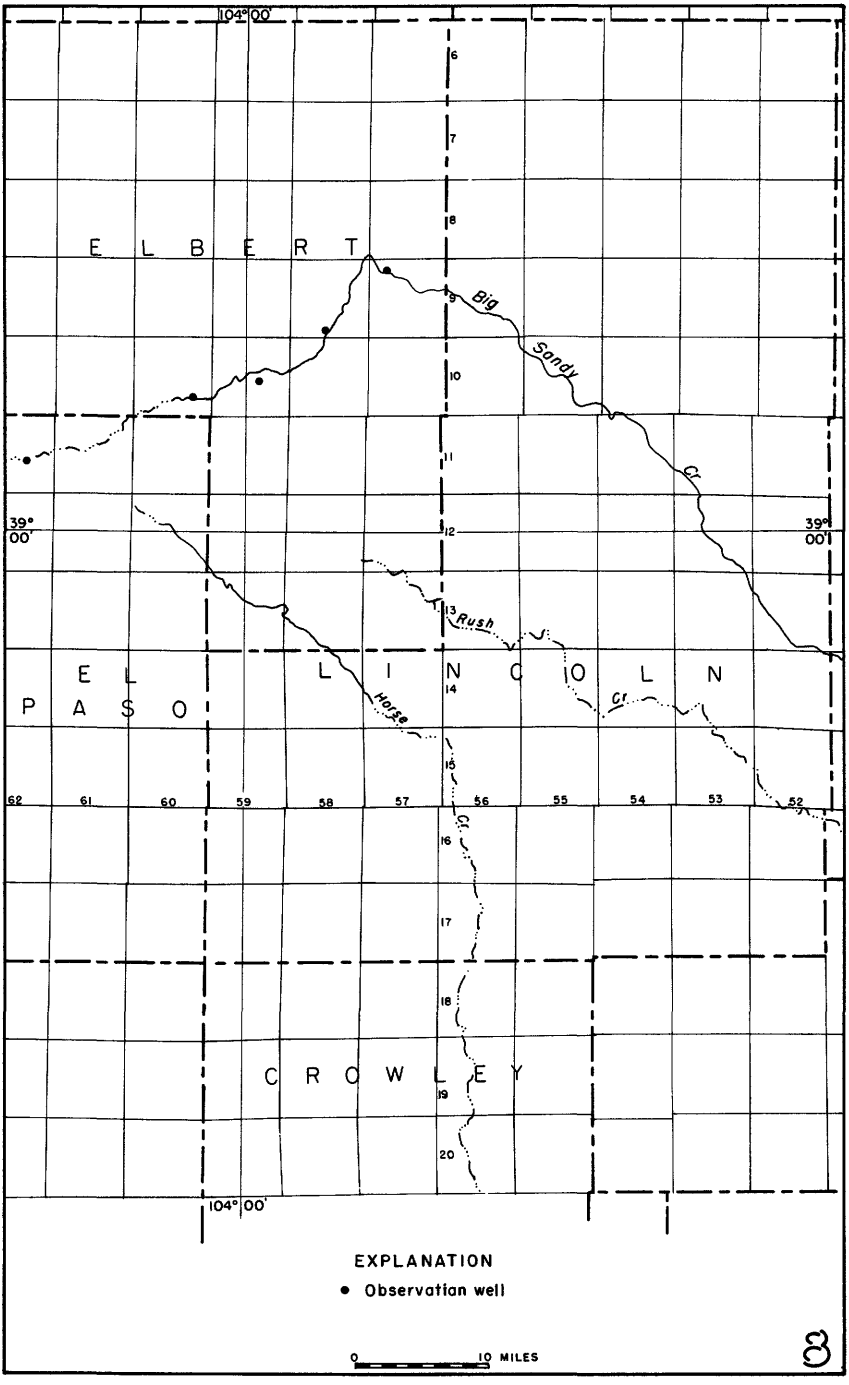


Figure 4. --Location of observation wells in Elbert and El Paso Counties, Colo.

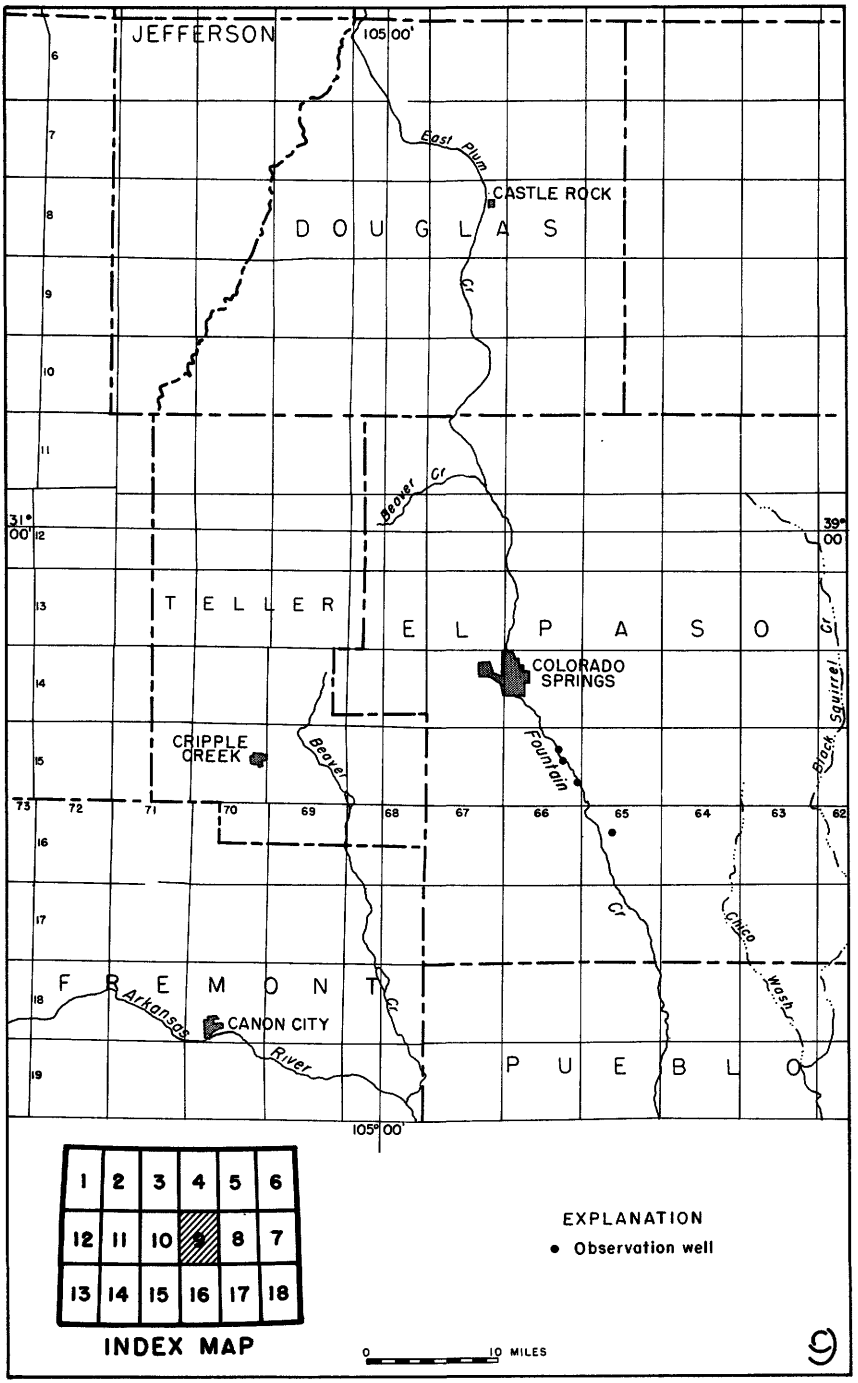


Figure 5. --Location of observation wells in El Paso County, Colo.

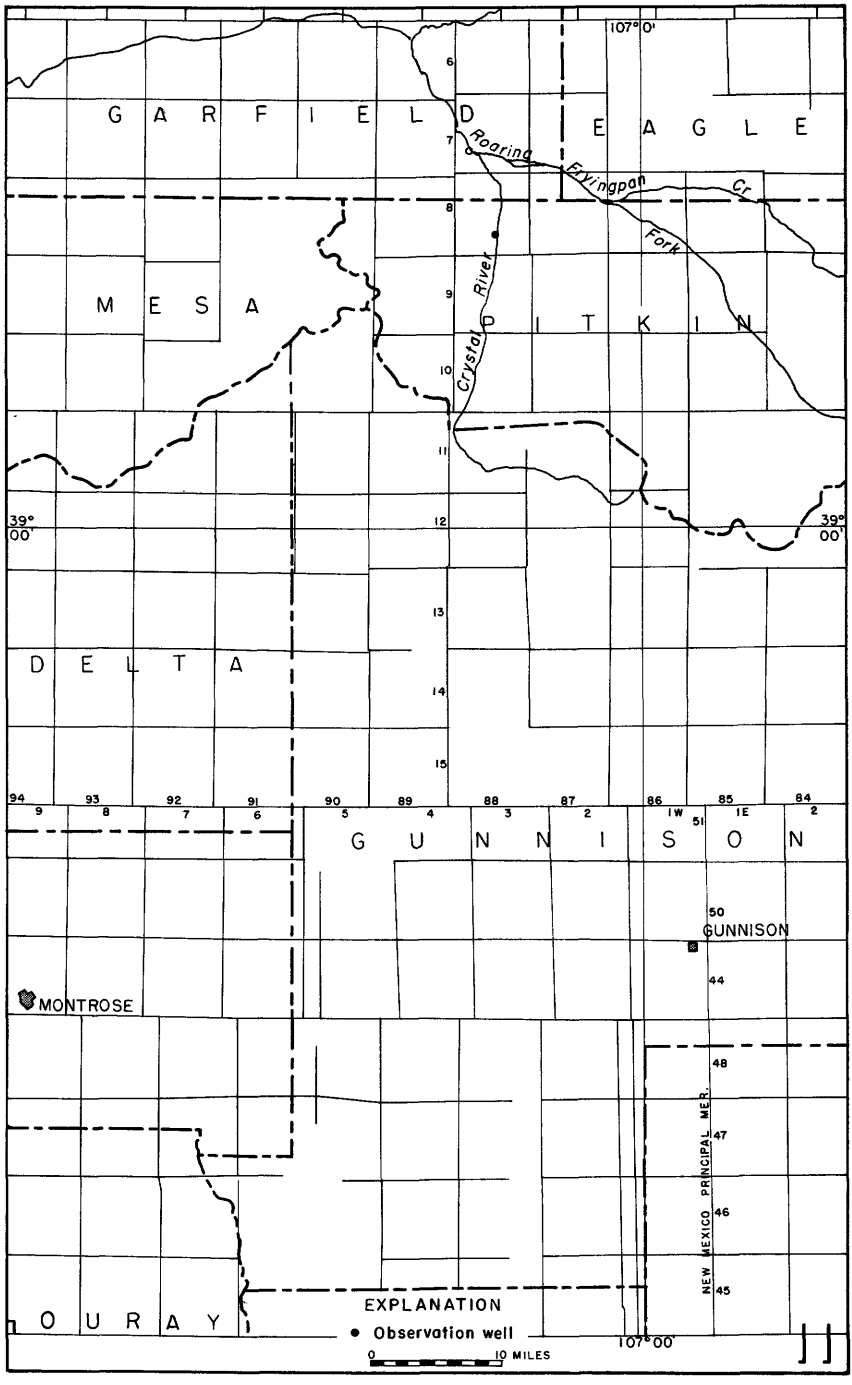


Figure 6. --Location of observation wells in Garfield and Pitkin Counties, Colo.

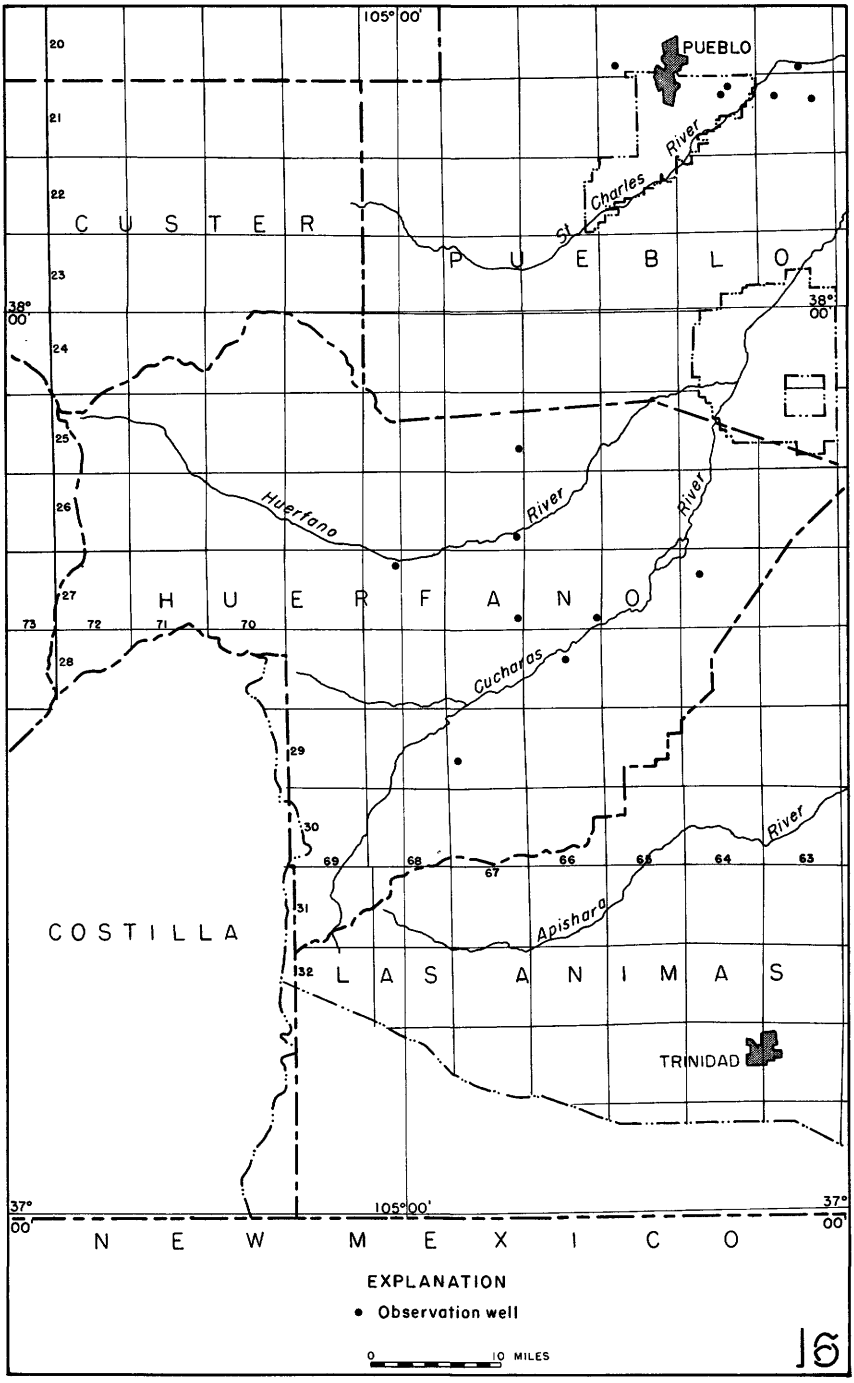


Figure 7. --Location of observation wells in Huerfano and Pueblo Counties, Colo.

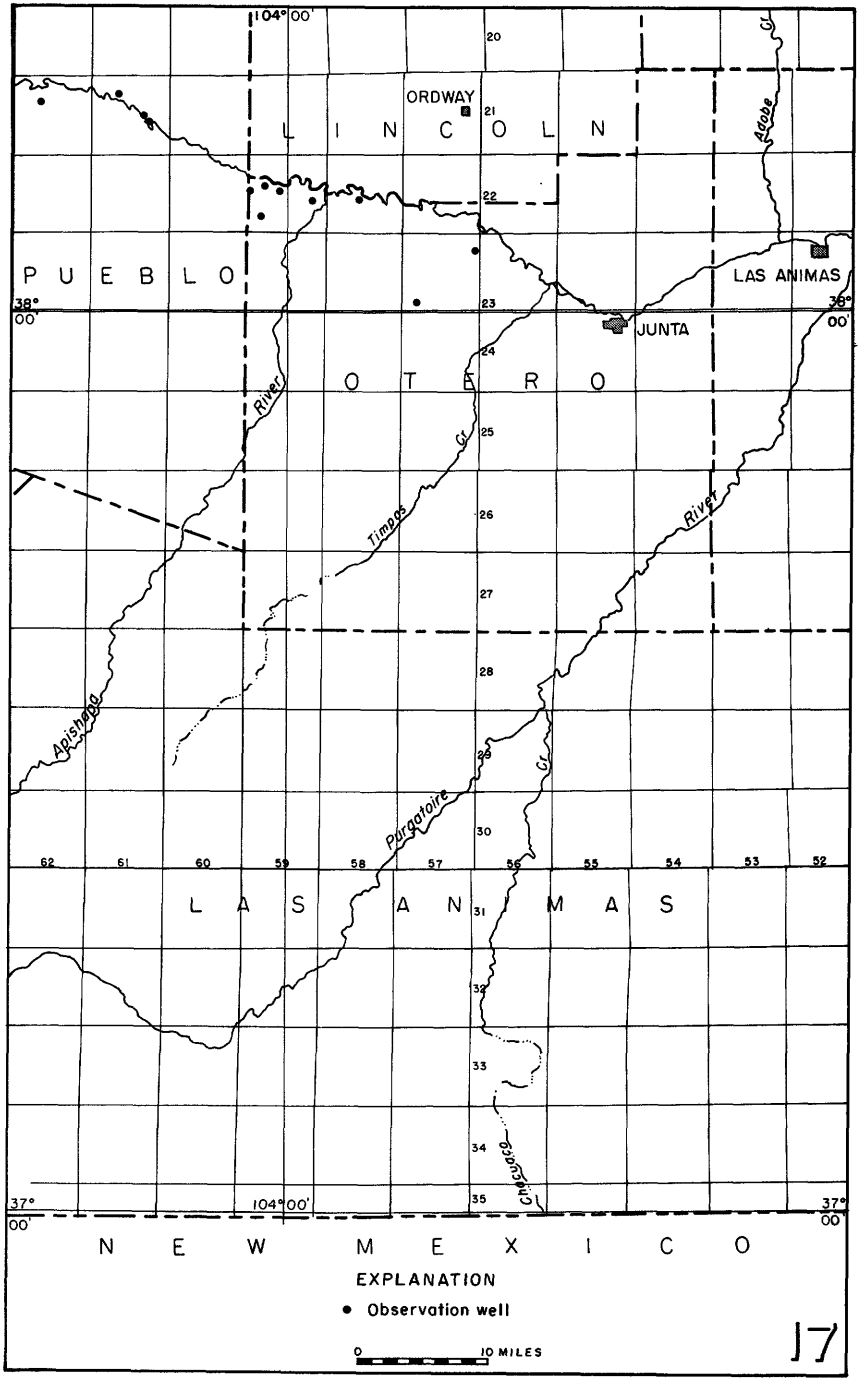


Figure 8.--Location of observation wells in Otero and Pueblo Counties, Colo.

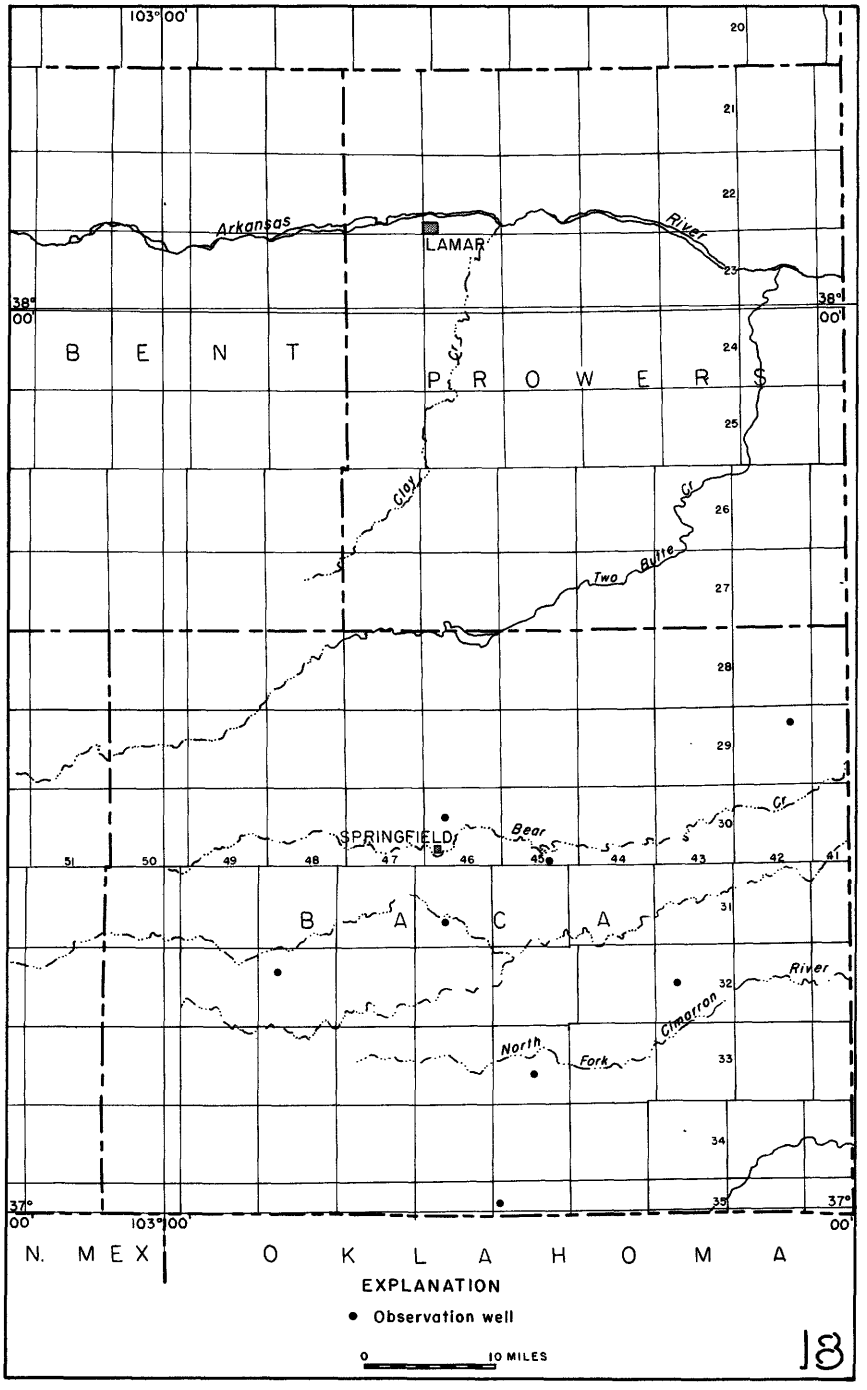


Figure 9.--Location of observation wells in Baca County, Colo.

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: 1946-51. Dec. 3, 45.96.

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 44.14 below lsd, Dec. 3, 1951. Records available: 1946, 1948-49, 1951. Dec. 3, 44.14.

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 16.14 below lsd, Dec. 3, 1951. Records available: 1947-51. May 1, 15.47; Dec. 3, 16.14.

C-1-66-7cc. C. Hose. Dug irrigation water-table well in alluvium, diameter 60 inches, depth 28 feet. Highest water level 15.90 below lsd, Sept. 17, 1930; lowest 22.67 below lsd, May 8, 1941. Records available: 1929-51. Apr. 4, 21.21; Dec. 3, 19.10.

C-1-66-19dc. A. B. Perry. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 44 feet. Highest water level 26.35 below lsd, Nov. 9, 1949; lowest 34.82 below lsd, May 1, 1951. Records available: 1941-51. May 1, 34.82; Dec. 3, 31.93.

C-1-67-13db. Edward Schnute. Dug irrigation water-table well in alluvium, diameter 96 inches, depth 32 feet. Highest water level 16.21 below lsd, Sept. 17, 1930; lowest 25.65 below lsd, May 8, 1941. Records available: 1929-51. Apr. 4, 23.81; Dec. 3, 21.33.

C-1-67-35cda. L. A. Ernst. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 36 feet. Highest water level 17.00 below lsd, Oct. 28, 1947; lowest 23.40 below lsd, May 8, 1941. Records available: 1941-51. May 1, 21.98; Dec. 3, 20.31.

C-2-60-19bcc. Oscar Helgeson. Dug unused water-table well in alluvium, diameter 120 inches, 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. No measurement made in 1951.

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 29.20 below lsd, Nov. 14, 1941. Records available: 1938-51. May 1, 27.94; Dec. 3, 28.37.

C-2-65-14dcb. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 48 inches. Highest water level 12.70 below lsd, Nov. 16, 1948; lowest 15.33 below lsd, May 8, 1941. Records available: 1933-51. May 1, 13.87; Dec. 3, 14.31.

C-2-65-23dab. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 58 feet. Highest water level 13.79 below lsd, Apr. 21, 1949; lowest 17.45 below lsd, Dec. 3, 1951. Records available: 1933-51. May 1, 15.42; Dec. 3, 17.45.

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 22.73 below lsd, Dec. 3, 1951. Records available: 1934, 1941-51. May 1, 19.70; Dec. 3, 22.73.

C-2-65-35dbb. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 48 inches. Highest water level 14.04 below lsd, May 13, 1942; lowest 20.87 below lsd, Oct. 3, 1934. Records available: 1933-51. May 1, 18.45; Dec. 3, 20.70.

C-2-65-35dcd. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 47 feet. Highest water level 12.04 below lsd, May 13, 1942; lowest 20.43 below lsd, Oct. 3, 1934. Records available: 1933-51. May 1, 17.79; Dec. 3, 18.85.

C-2-67-10dcd. Cora Wall. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 41 feet. Highest water level 22.27 below lsd, Oct. 28, 1947; lowest 30.09 below lsd, May 1, 1951. Records available: 1937-51. May 1, 30.09; Dec. 3, 26.73.

C-2-67-20dcd. Charles Fadden. Dug irrigation water-table well in alluvium, diameter 120 inches, depth 40 feet. Highest water level 22.95 below lsd, Oct. 28, 1947; lowest 25.90 below lsd, Nov. 28, 1950. Records available: 1936-51. May 1, 25.30; Sept. 25, 24.86.

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 20.42 below lsd, Dec. 3, 1951. Records available: 1941-51. May 1, 19.01; Dec. 3, 20.42.

C-3-67-6dd. H. L. Swanson. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 29 feet. Highest water level 16.80 below lsd, Apr. 22, 1948; lowest 22.43 below lsd, Sept. 15, 1941. Records available: 1941-51. May 1, 19.08; Dec. 3, 18.55.

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 11.51 below lsd, Mar. 26, 1951. Records available: 1942-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	11.16	Mar. 26	11.51	July 17	9.92	Sept. 13	10.33
16	11.20	Apr. 24	11.25	31	9.29	Oct. 31	11.06
Feb. 6	11.23	May 22	10.35	Aug. 21	9.92	Dec. 3	11.45
21	11.12	June 27	9.62				

Baca County

C-29-42-10ad. Harold Walker. Drilled observation water-table well in Dakota sandstone, diameter 5 inches, depth 26 feet. Land-surface datum is 3,701.9 feet above msl. Highest water level 19.10 below lsd, June 20, 1951; lowest 21.85 below lsd, Oct. 18, 1948. Records available: 1947-51. Measurement discontinued.

Jan. 18	20.28	Apr. 18	20.23	July 20	19.90	Sept. 14	21.25
Feb. 22	20.30	May 18	19.43	Aug. 16	20.69	Oct. 18	21.47
Mar. 16	20.50	June 20	19.10				

C-30-45-34ccc. C. J. Alfrey. Drilled stock water-table well in Dakota sandstone and Ogallala formation, diameter 6 inches, depth 137 feet. Land-surface datum is 4,188.4 feet above msl. Highest water level 86.70 below lsd, May 4, 1950; lowest 88.28 below lsd, Sept. 7, 1947. Records available: 1947-51.

Jan. 18	87.00	Apr. 18	86.95	July 21	86.97	Oct. 18	86.98
Feb. 22	87.02	May 18	86.90	Aug. 16	86.85	Nov. 14	86.84
Mar. 16	87.00	June 20	86.84	Sept. 14	86.87	Dec. 14	87.00

C-30-46-17bc. Maud A. Rarex. Dug unused stock water-table well in alluvium, diameter 120 inches, depth 15 feet. Highest water level 8.73 below lsd, May 18, 1951; lowest 12.99 below lsd, Oct. 1, 1948. Records available: 1947-51.

Jan. 17	9.99	Apr. 18	9.57	July 21	9.30	Oct. 18	10.86
Feb. 22	9.76	May 18	8.73	Aug. 16	9.62	Nov. 14	9.80
Mar. 16	9.60	June 20	9.20	Sept. 14	9.72	Dec. 14	9.63

C-31-46-28bbc. Ethyl Taylor. Drilled unused water-table well in Dakota sandstone, diameter 6 inches, depth 163 feet. Land-surface datum is 4,439.9 feet above msl. Highest water level 132.34 below lsd, Mar. 16, 1951; lowest 134.18 below lsd, June 2, 1947. Records available: 1947-51.

Jan. 17	132.82	Apr. 18	132.80	July 21	132.80	Oct. 18	133.16
Feb. 22	132.97	May 18	132.87	Aug. 16	132.80	Nov. 14	132.52
Mar. 16	132.34	June 19	132.80	Sept. 14	132.89	Dec. 14	132.98

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 84.66 below lsd, Nov. 14, 1951; lowest 86.58 below lsd, Aug. 16, 1949. Records available: 1947-51.

Jan. 18	85.56	Apr. 18	85.16	July 20	84.86	Oct. 18	85.08
Feb. 22	85.40	May 18	85.11	Aug. 16	84.89	Nov. 14	84.66
Mar. 16	85.36	June 20	85.12	Sept. 14	84.98	Dec. 14	85.06

C-32-48-8cbb. S. D. Huff. Drilled unused water-table well in Dakota sandstone, diameter 6 inches, depth 247 feet. Land-surface datum 4,798.5 feet above msl. Highest water level 192.00 below lsd, Mar. 16, 1951; lowest 194.32 below lsd, Aug. 7, 1947. Records available: 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	192.53	Apr. 17	192.29	July 21	192.38	Oct. 17	192.44
Feb. 22	192.65	May 18	192.50	Aug. 16	192.32	Nov. 14	192.08
Mar. 16	192.00	June 19	192.41	Sept. 14	192.53	Dec. 14	192.56

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 76.28 below lsd, Dec. 14, 1951; lowest 80.09 below lsd, Dec. 21, 1947. Records available: 1947-51.

Jan. 18	77.70	Apr. 18	77.43	July 20	77.01	Oct. 18	77.03
Feb. 22	77.60	May 18	77.33	Aug. 16	77.05	Nov. 14	76.72
Mar. 16	77.57	June 20	77.23	Sept. 14	76.98	Dec. 14	76.28

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 167.27 below lsd, Aug. 16, 1951; lowest 170.00 below lsd, July 13, 1948. Records available: 1947-51.

Jan. 17	167.98	Apr. 18	168.22	July 20	168.10	Oct. 18	167.72
Feb. 22	168.08	May 18	168.25	Aug. 16	167.27	Nov. 14	167.35
Mar. 16	167.60	June 20	168.50	Sept. 14	168.08	Dec. 14	168.09

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 6.98 below lsd, July 20, 1951. Records available: 1945-51.

Jan. 16	6.32	Apr. 16	6.24	July 20	6.98	Oct. 19	6.28
Feb. 19	6.27	May 16	6.42	Aug. 15	5.62	Nov. 16	6.19
Mar. 14	6.29	June 18	6.72	Sept. 12	6.28	Dec. 12	6.13

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: 1945-51.

Jan. 16	12.80	Apr. 16	12.83	Sept. 12	13.03	Nov. 16	12.72
Feb. 19	12.82	Aug. 15	13.84	Oct. 19	12.75	Dec. 12	12.68
Mar. 14	12.83						

C-10-59-22ab. William Groff. Drilled irrigation water-table well in alluvium, diameter 24 to 18 inches, depth 55 feet. Land-surface datum is 5,800.1 feet above msl. Highest water level 10.52 below lsd, May 3, 1947; lowest 13.47 below lsd, July 20, 1951. Records available: 1945-51.

Jan. 16	12.14	Apr. 16	11.76	Sept. 12	11.78	Nov. 16	11.65
Feb. 19	11.92	July 20	13.47	Oct. 19	11.75	Dec. 12	11.50
Mar. 14	11.85	Aug. 15	11.70				

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: 1945-51.

Feb. 19	24.73	May 16	24.52	Aug. 15	25.12	Nov. 16	24.88
Mar. 14	24.64	June 18	24.77	Sept. 12	25.26	Dec. 12	24.70
Apr. 16	24.48	July 20	25.03	Oct. 19	25.10		

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 8.20 below lsd, Sept. 12, 1951. Records available: 1945-51.

C-11-62-22ad--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	7.25	Apr. 16	7.27	Aug. 15	7.89	Nov. 16	7.70
Feb. 19	7.27	May 16	7.36	Sept. 12	8.20	Dec. 12	7.66
Mar. 14	7.26	June 18	7.53	Oct. 19	7.77		

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 39.14 below lsd, Mar. 27, 1951. Records available: 1944-51. Mar. 27, 39.14; Nov. 15, 38.68.

C-15-66-14abd2. 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 24.19 below lsd, Nov. 10, 1950. Records available: 1948-51. Mar. 27, 23.92; Nov. 15, 24.02.

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 31.35 below lsd, Nov. 15, 1951. Records available: 1944-51. Mar. 27, 30.93; Nov. 15, 31.35.

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. Mar. 27, 36.35; Nov. 15, 39.34.

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: 1942-51.

Jan. 16	35.83	Apr. 10	35.97	July 16	28.31	Oct. 17	32.84
Feb. 13	35.79	May 15	32.58	Aug. 13	29.26	Nov. 10	33.10
Mar. 10	35.57	June 8	29.24	Sept. 17	31.27	Dec. 19	35.58

Huerfano County

C-25-67-25acb. Apache School. Dug domestic water-table well in alluvium, diameter 60 inches, depth 25 feet. Highest water level 21.71 below lsd, Feb. 6, 1950; lowest 24.11 below lsd, July 19, 1951. Records available: 1950-51. Jan. 16, 22.72; Feb. 19, 22.64; Mar. 15, 22.62; Apr. 17, 22.59; May 16, 22.60; June 18, 23.25; July 19, 24.11; Aug. 17, measurement discontinued.

C-25-67-25bcd. C. H. Money. Dug stock water-table well in alluvium, diameter 48 inches, depth 26 feet. Highest water level 15.74, Dec. 12, 1951; lowest 16.20 below lsd, Oct. 16, 1951. Records available: 1951. Sept. 13, 15.96; Oct. 16, 16.20; Nov. 13, 15.90; Dec. 12, 15.74.

C-26-67-25cad. Eugene Ellis. Drilled stock water-table well in alluvium, diameter 7 inches, depth 22 feet. Highest water level 7.25 below lsd, Mar. 16, 1950; lowest 9.53 below lsd, Sept. 12 and Oct. 16, 1951. Records available: 1950-51.

Jan. 16	8.32	July 19	8.43	Sept. 12	9.53	Nov. 13	8.99
May 16	7.40	Aug. 17	8.90	Oct. 16	9.53	Dec. 12	8.83
June 18	7.32						

C-27-64-8ccb. Mr. Shaefer. Drilled unused artesian well in Purgatoire formation, diameter 6 inches, depth 114 feet. Highest water level 80.65 below lsd, May 17, 1951; lowest 85.28 below lsd, Apr. 12, 1950. Records available: 1950-51.
Jan. 17, 84.70; Feb. 20, 84.72; Mar. 15, 84.77; Apr. 17, 84.76; May 17, 80.65; June 19, 83.49; July 19, 84.87; Aug. 17, measurement discontinued.

C-27-66-36acc. Charles Corsentino. Drilled unused water-table well in alluvium, diameter 6 inches, depth 22 feet. Highest water level 13.81 below lsd, Sept. 1, 1950; lowest 18.99 below lsd, Dec. 12, 1951. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	15.94	Apr. 17	16.54	July 19	17.25	Oct. 16	18.38
Feb. 20	16.22	May 17	16.02	Aug. 17	16.55	Nov. 13	18.73
Mar. 15	16.47	June 19	16.68	Sept. 12	17.74	Dec. 12	18.99

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 47.12 below lsd, July 19, 1951. Records available: 1950-51.

Jan. 16	46.08	Apr. 17	46.39	July 19	a47.12	Nov. 14	46.56
Feb. 19	46.25	May 17	46.52	Sept. 13	46.64	Dec. 13	46.50
Mar. 15	46.38	June 18	a46.80	Oct. 16	46.78		

a Pumping.

C-27-68-4cbc. Mrs. Thorn. Dug domestic and stock water-table well in alluvium, diameter 36 inches, depth 28 feet. Highest water level 14.45 below lsd, July 10, 1951; lowest 22.80 below lsd, Jan. 8, 1951. Records available: 1950-51.

Jan. 8	22.80	Apr. 3	18.90	July 31	14.68	Oct. 22	20.10
19	22.61	20	16.94	Aug. 23	16.13	Nov. 6	20.14
Feb. 6	22.26	May 23	16.27	Sept. 4	17.67	27	21.04
27	22.09	June 14	14.51	25	18.90	Dec. 10	21.09
Mar. 6	22.16	July 10	14.45	Oct. 2	19.99	26	20.53
21	20.65	26	14.66				

C-28-66-15bcc. Henry Meyer. Drilled unused water-table well in alluvium, diameter 6 inches, depth 67 feet. Highest water level 21.12 below lsd, Nov. 13, 1951; lowest 25.13 below lsd, July 19, 1951. Records available: 1950-51.

Jan. 17	24.66	Apr. 17	24.85	July 19	25.13	Oct. 16	24.95
Feb. 20	24.84	May 17	24.99	Aug. 17	24.94	Nov. 13	21.12
Mar. 15	24.86	June 18	25.05	Sept. 13	25.03	Dec. 13	24.75

C-29-67-19acb. Ewell Woodring. Drilled unused water-table well in sandstone, diameter 7 inches, depth 142 feet. Highest water level 34.77 below lsd, Nov. 13, 1951; lowest 35.04 below lsd, Oct. 16, 1951. Records available: 1951. Sept. 13, 34.90; Oct. 16, 35.04; Nov. 13, 34.77; Dec. 13, 34.84.

Larimer County

B-5-68-17abb. George Peak. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 24 feet. Highest water level 5.43 below lsd, Oct. 27, 1947; lowest 14.45 below lsd, Apr. 20, 1949. Records available: 1941-51. Apr. 4, 13.42; Dec. 5, 7.43.

B-6-68-1ba. M. J. Warner. Dug irrigation water-table well in alluvium, diameter 48 inches. Highest water level 9.19 below lsd, Oct. 4, 1943; lowest 12.74 below lsd, May 2, 1941. Records available: 1941-51. May 1, 11.62; Nov. 30, 10.32.

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 27.82 below lsd, May 1, 1950. Records available: 1950-51. Nov. 29, 26.78.

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, 1932-51. Apr. 17, 5.80; Nov. 29, 5.03.

B-7-68-22bbb. Ray Pitcher. Dug irrigation water-table well in alluvium, diameter 72 inches, 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, 1932-51. Nov. 30, 5.31.

B-7-68-23cbb. W. A. Scott. Drilled unused water-table well in alluvium, diameter 48 inches. Highest water level 6.30 below lsd, Nov. 16, 1942; lowest 9.50 below lsd, May 2, 1941. Records available: 1941-51. May 1, 7.78; Nov. 30, 6.55.

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 31.96 below lsd, Nov. 30, 1950. Records available: 1943-51. Apr. 17, 31.86; Nov. 29, 29.97.

B-8-68-10cbb. A. L. Bee. Dug irrigation water-table well in alluvium, diameter 130 inches, depth 28 feet. Highest water level 5.08 below lsd, July 6, 1929; lowest 23.97 below lsd, Nov. 30, 1950. Records available: 1929, 1932-51. Apr. 17, 22.61; Nov. 29, 23.40.

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 27.91 below lsd, May 1, 1941. Records available: 1929-30, 1932-51. Apr. 17, 24.46; Nov. 29, 25.21.

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 14.61 below lsd, Nov. 30, 1950. Records available: 1929-30, 1932-51. Apr. 17, 13.45; Nov. 29, 13.29.

B-8-68-27cbb. A. L. Seamans. Dug irrigation water-table well in alluvium, diameter 96 inches, depth 32 feet. Highest water level 8.94 below lsd, July 6, 1929; lowest 15.18 below lsd, Nov. 30, 1950. Records available: 1929-51. Apr. 17, 14.25; Nov. 29, 13.60.

B-8-68-28aab. F. L. Bartels. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 30 feet. Highest water level 2.98 below lsd, Sept. 18, 1929; lowest 11.75 below lsd, Nov. 30, 1950. Records available: 1929-30, 1932-34, 1937-51. Apr. 17, 10.56; Nov. 29, 10.00.

B-8-68-33ccc. F. C. Kluver. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 33 feet. Highest water level 11.60 below lsd, Sept. 18, 1929; lowest 15.88 below lsd, Oct. 5, 1934. Records available: 1929-30, 1932-51. Apr. 17, 14.94; Nov. 29, 13.83.

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: 1939-51. Nov. 29, 47.59.

B-9-68-27ba. John Wagner. Dug unused water-table well in alluvium, diameter 168 inches, depth 30 feet. Highest water level 25.05 below lsd, Nov. 29, 1951; lowest 28.40 below lsd, April 17, 1951. Records available: 1949-51. Apr. 17, 28.40; Nov. 29, 25.05.

B-9-68-28bbb. E. F. Meedel. Dug and drilled irrigation water-table well in alluvium, depth 42 feet. Highest water level 13.17 below lsd, Nov. 13, 1943; lowest 24.71 below lsd, May 1, 1941. Records available: 1938-51. Apr. 17, 22.71; Nov. 29, 22.42.

B-9-68-33bdc. J. Weisshaar. Dug irrigation water-table well in alluvium, diameter 120 inches, 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, 1935-51. Nov. 29, 30.42.

Logan County

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: 1943-51. Apr. 3, 14.25; Oct. 31, 13.54.

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: 1940-51. Feb. 8, 29.00; Apr. 3, 30.45; Oct. 31, 27.28.

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, 1940-51. Feb. 8, 10.18; Apr. 3, 10.62; Oct. 31, 10.10.

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 13.27 below lsd, May 26, 1950. Records available: 1950-51. Feb. 8, 11.40; Apr. 3, 12.00; Oct. 31, 11.53.

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 5.81 below lsd, Feb. 7, 1950. Records available: 1929-30, 1935, 1940-51. Feb. 8, 5.68; Apr. 3, 5.75; Oct. 31, 5.43.

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: 1940-51. Feb. 8, 18.80; Apr. 3, 19.62; Oct. 31, 17.35.

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 44.50 below lsd, Aug. 7, 1950. Records available: 1940-51. Feb. 9, 42.72; Apr. 3, 42.18; Oct. 30, 44.04.

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 38.89 below lsd, Aug. 2, 1948. Records available: 1940-51. Feb. 9, 36.67; Apr. 3, 36.52; Oct. 30, 38.52.

B-1-56-1dc. Mrs. W. Shaw. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 70 feet. Highest water level 31.30 below lsd, Apr. 17, 1942; lowest 43.42 below lsd, Oct. 30, 1951. Records available: 1940-51. Feb. 9, 41.23; Apr. 3, 40.63; Oct. 30, 43.42.

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 43.55 below lsd, Oct. 29, 1951. Records available: 1946-51. Feb. 6, 38.34; Apr. 12, 36.92; Oct. 29, 43.55.

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 22.32 below lsd, Oct. 17, 1950. Records available: 1942-51. Feb. 6, 18.85; Apr. 12, 18.35; Oct. 29, 20.54.

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 23.25 below lsd, Oct. 29, 1951. Records available: 1947-51. Feb. 6, 21.78; Apr. 12, 21.70; Oct. 29, 23.25.

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 27.72 below lsd, Sept. 1, 1948. Records available: 1944-51. Feb. 9, 24.55; Apr. 3, 24.37; Oct. 30, 26.74.

B-2-56-1dd-3. Records available: 1936-50. Measurement discontinued.

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 14.03 below lsd, Oct. 30, 1951. Records available: 1949-51. Feb. 9, 10.92; Apr. 3, 10.34; Oct. 30, 14.03.

B-2-56-24dd-2. Max Peterson. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 58 feet. Land-surface datum is 4,331.5 feet above msl. Highest water level 18.68 below lsd, Apr. 11, 1949; lowest 23.10 below lsd, Oct. 30, 1951. Records available: 1949-51. Feb. 9, 21.15; Apr. 3, 20.85; Oct. 30, 23.10.

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 60.10 below lsd, July 11, 1949. Records available: 1944-51. Feb. 7, 57.72; Apr. 12, 57.64; Oct. 29, 59.95.

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 56.09 below lsd, Oct. 29, 1951. Records available: 1940-51. Feb. 6, 52.86; Apr. 12, 52.18; Oct. 29, 56.09.

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 69.75 below lsd, Oct. 29, 1951. Records available: 1940-51. Feb. 6, 66.15; Apr. 12, 65.04; Oct. 29, 69.75.

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. Feb. 6, 28.89; Apr. 4, 29.46; Oct. 30, 28.10.

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 7.86 below lsd, Aug. 7, 1950. Records available: 1928-30, 1932-51. Feb. 9, 5.90; Apr. 3, 5.80; Oct. 30, 7.00.

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, 21, 23, 24, 25, 27, 28, 1943; lowest 48.19 below lsd, Sept. 1, 1951. Records available: 1940-51.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	45.79	46.10	46.58	47.02	47.41	47.35	47.51	48.19	47.48	46.64	.....
2	45.68	45.81	46.12	46.59	47.02	47.34	47.32	47.53	48.14	47.45	46.60	.....
3	.....	45.83	46.14	46.61	47.08	47.30	47.33	47.52	48.12	47.42	46.60	46.21
4	.....	45.84	46.16	46.65	47.10	47.30	.....	47.54	48.10	47.37	46.57	46.21
5	.....	45.84	46.18	46.66	47.19	47.33	47.24	47.54	48.08	47.31	46.56	46.21
6	.....	45.85	46.18	46.66	47.18	47.37	47.20	47.56	48.02	47.29	46.54	46.21
7	.....	45.85	46.18	46.63	47.19	.....	47.19	47.58	47.95	47.26	46.51	46.22
8	.....	45.88	46.19	46.62	47.20	.....	47.19	47.60	47.90	47.22	46.49	46.22
9	.....	45.88	46.20	46.67	47.22	.....	47.26	47.61	47.86	47.20	46.47	46.20
10	.....	45.90	46.23	46.65	47.25	47.27	47.23	47.64	47.83	47.14	46.47	46.19
11	.....	45.91	46.24	46.65	47.29	47.27	47.17	47.66	47.90	47.12	46.46	46.19
12	.....	45.93	46.24	46.66	47.33	47.21	47.11	47.70	47.85	47.11	46.46	46.19
13	.....	45.92	46.25	46.69	47.34	47.20	47.10	47.72	47.82	47.08	46.44	46.19
14	.....	45.93	46.26	46.72	47.40	47.20	47.17	47.74	47.82	47.07	46.41	46.19
15	.....	45.95	46.28	46.73	47.40	47.25	47.23	47.76	47.80	47.06	46.38	46.18
16	.....	45.97	46.30	46.73	47.43	47.30	47.27	47.79	47.78	47.04	46.38	46.17
17	.....	45.99	46.32	46.75	47.44	47.33	47.24	47.82	47.80	47.00	46.37	46.17
18	45.69	45.99	46.32	46.79	47.44	47.30	47.23	47.86	47.79	46.98	46.36	46.17
19	45.69	46.01	46.33	46.81	47.40	47.38	47.27	47.89	47.76	46.96	46.34	46.16
20	45.72	46.01	46.34	46.81	47.37	47.40	47.30	47.87	47.78	46.94	46.32	46.15
21	45.72	46.02	46.35	46.88	47.30	47.36	47.30	47.85	47.72	46.91	46.31	46.15
22	45.71	46.04	46.39	46.88	47.31	47.30	47.26	47.87	47.63	46.88	46.30	46.17
23	45.71	46.05	46.40	46.89	47.30	47.22	47.25	47.88	47.61	46.84	46.30	46.17
24	45.72	46.07	46.42	46.90	47.29	47.20	47.30	47.92	47.57	46.80	46.30	46.17
25	45.73	46.08	46.43	46.90	47.30	47.28	47.33	47.94	47.53	46.80	46.28	46.17
26	45.73	46.08	46.46	46.90	47.40	47.30	47.40	47.97	47.50	46.79	46.28	46.16
27	45.75	46.09	46.48	46.91	47.45	47.35	47.43	48.00	47.48	46.74	46.27	46.15
28	45.77	46.09	46.49	46.95	47.49	47.34	47.47	48.05	47.45	46.72	46.25	46.13
29	45.79		46.50	47.00	47.51	47.37	47.50	48.10	47.50	46.72	46.25	46.16
30	45.78		46.51	47.03	47.50	47.30	47.49	48.11	47.48	46.70	46.23	46.13
31	45.78		46.54		47.50		47.50	48.13		46.69		46.16

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: 1939-51. Feb. 6, 49.68; Apr. 18, 49.90; Oct. 23, 50.85.

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. Mar. 13, 15.88; Apr. 23, 15.75.

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 7, 1941. Records available: 1940-51. Feb. 6, 52.31; Apr. 4, 53.18; Oct. 23, 49.54.

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 59.69 below lsd, Oct. 16, 1950. Records available: 1939-51. Feb. 6, 57.03; Apr. 4, 57.16; Oct. 23, 59.10.

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 64.25 below lsd, Jan. 14, 1949; lowest 68.59 below lsd, Oct. 30, 1951. Records available: 1948-51. Feb. 7, 64.86; Apr. 4, 64.15; Oct. 30, 68.59.

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 60.39 below lsd, Oct. 24, 1951. Records available: 1946-51. Feb. 6, 58.35; Apr. 12, 58.15; Oct. 24, 60.39.

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 62.33 below lsd, Oct. 3, 1947. Records available: 1936-51. Feb. 7, 58.03; Apr. 12, 56.85; Oct. 29, 60.65.

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 44.19 below lsd, Oct. 14, 1950. Records available: 1940-51. Feb. 6, 43.86; Apr. 12, 43.90; Oct. 29, 43.99.

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, 1932-51. Feb. 8, 17.12; Apr. 10, 18.42; Oct. 31, 16.35.

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. No measurement made in 1951.

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 20.35 below lsd, May 1, 1947. Records available: 1933-35, 1941-51. Feb. 8, 19.93; Apr. 10, 20.29; Oct. 29, 19.50.

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 78.55 below lsd, Dec. 9, 1950. Records available: 1946-50. No measurement made in 1951.

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, 1943-51. Feb. 8, 18.60; Apr. 10, 18.89; Oct. 31, 17.65.

Otero County

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, 1933-51. Mar. 28, 32.85; Nov. 14, 31.75.

C-22-59-17bd. W. H. Sauer. Dug irrigation water-table well in alluvium, diameter 60 inches, 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. Mar. 28, 15.01; Nov. 14, 13.65.

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, 1933-51. Mar. 28, 20.42; Nov. 14, 18.69..

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: 1938-51. Mar. 28, 23.56; Nov. 14, 22.16.

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, 1937-51. Mar. 28, 22.86; Nov. 14, 20.51.

C-22-59-29cbb. M. Madson. Dug irrigation water-table well in alluvium, diameter 96 inches, 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, 1933-51. Mar. 28, 13.93; Nov. 14, 13.15.

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 12.15 below lsd, Nov. 13, 1951. Records available: 1944-51. Mar. 28, 10.91; Nov. 13, 12.15.

C-23-57-32bdb. J. C. Vroman. Drilled irrigation water-table well in alluvium. Highest water level 9.95 below lsd, Nov. 29, 1949; lowest 12.58 below lsd, Nov. 13, 1951. Records available: 1944-51. Mar. 28, 12.40; Nov. 13, 12.58.

Pitkin County

C-8-88-27bc. R. O. Sewell. Dug domestic water-table well in alluvium, depth 37 feet. Highest water level 10.78 below lsd, July 16, 1948; lowest dry, Jan. 13, 1950, Apr. 10, 1951. Records available: 1942-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	31.96	Apr. 10	(f)	July 16	15.18	Oct. 16	25.70
Feb. 13	31.85	May 15	25.46	Aug. 12	17.92	Nov. 10	28.58
Mar. 10	31.47	June 8	13.59	Sept. 17	24.41	Dec. 16	30.17

f Dry.

Pueblo County

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. Mar. 28, 12.00; Nov. 13, 12.30.

C-20-65-32bd. Colorado State Hospital. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 14 feet. Highest water level 5.60 below lsd, July 24, 1949; lowest 9.95 below lsd, May 22, 1951. Records available: 1949-51.

Jan. 27	7.81	June 19	6.67	Aug. 21	6.22	Oct. 25	6.63
Feb. 24	7.81	July 20	5.80	Sept. 20	6.96	Nov. 20	7.19
May 22	9.95						

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 15.18 below lsd, Mar. 28, 1951. Records available: 1949, 1951. Mar. 28, 15.18.

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. Mar. 28, 15.72; Nov. 13, 17.06.

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, 1935-51. Mar. 28, 11.54; Nov. 13, 12.16.

C-21-62-9cd2. Bert Potestio. Drilled irrigation water-table well in alluvium. Highest water level 13.98 below lsd, Nov. 6, 1947; lowest 17.22 below lsd, Dec. 5, 1946. Records available: 1946-51. Mar. 28, 16.83; Nov. 14, 15.89.

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, 1941-51. Mar. 28, 30.85; Nov. 14, 28.64.

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 22.35 below lsd, Apr. 16, 1947. Records available: 1944-51. Mar. 28, 20.15; Nov. 14, 18.40.

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: 1934-51. Mar. 28, 18.13; Nov. 14, 15.05.

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 12.70 below lsd, Apr. 16, 1947. Records available: 1941-51. Mar. 28, 10.14; Nov. 14, 9.35.

Washington County

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: 1940-51. Feb. 8, 15.32; Apr. 3, 15.65; Oct. 31, 13.90.

Weld County

B-1-63-2ccc. D. Trupp. Drilled unused irrigation water-table well in alluvium, diameter 20 inches, depth 96 feet. Highest water level 51.70 below lsd, May 1, 1950; lowest 67.59 below lsd, Aug. 23, 24, 25, 1946. Records available: 1944-51.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.82	.....	55.72	55.30	54.92	56.21	57.85	.....	63.99	63.20	61.75	60.70
2	56.80	.....	55.70	55.29	54.91	56.30	57.98	.....	63.97	63.14	61.71	60.65
3	56.77	.....	55.71	55.26	54.92	56.32	58.10	.....	63.80	63.10	61.69	60.56
4	56.77	56.15	55.68	55.22	55.07	56.27	58.12	.....	63.65	63.05	61.68	60.50
5	56.74	56.11	55.63	55.21	55.20	56.22	58.30	.....	63.50	63.00	61.61	60.48
6	56.75	56.12	55.66	55.23	55.20	56.27	58.40	.....	63.37	63.00	61.60	.....
7	56.74	56.11	55.63	55.25	55.25	.....	58.57	61.64	63.23	62.97	61.54	.....
8	56.70	56.07	55.63	55.23	55.20	.....	58.70	61.84	63.16	62.90	61.47	.....
9	56.66	56.06	55.59	55.20	55.16	56.34	58.95	62.02	63.09	62.84	61.43	60.40
10	56.66	56.06	55.64	55.22	55.17	56.30	.....	62.18	63.07	62.80	61.42	60.38
11	56.60	56.02	55.64	55.22	55.27	56.11	.....	62.16	63.26	62.72	61.38	60.33
12	56.59	56.02	55.62	55.17	55.32	56.18	.....	62.19	63.33	62.67	61.30	60.30
13	56.59	56.04	55.55	55.14	55.30	56.13	.....	62.24	63.38	62.64	61.29	60.26
14	56.57	56.00	55.54	55.15	55.32	56.11	.....	62.45	63.61	62.62	61.25	60.30
15	56.53	55.95	55.50	55.16	55.54	56.07	.....	62.60	63.85	62.53	61.21	60.27
16	56.49	55.92	55.50	55.12	55.69	56.17	.....	62.78	64.00	62.50	61.20	60.21
17	56.47	55.92	55.51	55.10	55.80	56.13	.....	62.90	64.10	62.44	61.20	60.19
18	56.45	55.91	55.52	55.09	55.89	56.43	.....	63.00	64.20	.....	61.15	60.16
19	56.45	55.90	55.48	55.06	56.01	56.67	.....	63.00	64.20	.....	61.10	60.13
20	56.48	55.88	55.45	55.08	55.90	56.89	.....	63.15	64.15	.....	61.04	60.10
21	56.45	55.86	55.44	55.12	55.78	56.94	.....	63.20	63.98	.....	61.01	60.09
22	56.38	.....	.....	55.12	55.71	56.99	.....	63.25	63.83	.....	61.00	60.09
23	56.39	.....	.....	55.02	55.65	57.02	.....	63.38	63.71	.....	60.94	60.07
24	56.39	.....	.....	55.02	55.71	56.97	.....	63.42	63.60	.....	60.93	60.01
25	56.33	55.78	55.40	55.04	55.80	57.00	.....	63.57	63.52	.....	60.91	60.01
26	56.30	55.77	55.35	55.00	55.83	57.09	.....	63.62	63.44	.....	60.87	60.00
27	56.29	55.75	55.32	55.00	55.78	57.15	.....	63.61	.....	.....	60.83	59.92
28	56.29	55.74	55.37	54.99	55.66	.....	.....	63.70	.....	61.93	60.81	59.89
29	56.27		55.33	54.95	55.90	.....	.....	63.85	.....	61.88	60.78	59.89
30	56.24		55.30	54.92	56.00	.....	.....	63.99	63.24	61.85	60.73	59.86
31	56.22		55.30		56.08		.....	63.97		61.80		59.88

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. Feb. 7, 39.74; Apr. 18, 40.72.

B-1-63-3cc. John Baumgardner. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 128 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: 1942-51. Oct. 24, 54.69.

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: 1942-51. Feb. 7, 51.50; Apr. 18, 50.90; Oct. 24, 56.42.

B-1-63-10cdd. Lee Alden. Dug and drilled irrigation water-table well in alluvium, diameter 14 inches, depth 139 feet. Highest water level 50.95 below lsd, Apr. 5, 1950; lowest 70.35 below lsd, Nov. 4, 1941. Records available: 1934-51. Feb. 7, 55.55; Apr. 18, 54.33; Oct. 24, 62.51. Measurement discontinued.

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: 1940-51. Feb. 7, 83.42; Apr. 18, 82.42; Oct. 24, 89.27.

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: 1942-51. Feb. 7, 93.65; Apr. 18, 93.18; Oct. 24, 98.51.

B-1-63-28abb. Hudson Gardens Co. Drilled unused domestic 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: 1942-51. Feb. 7, 77.87; Apr. 18, 78.04; Oct. 24, 79.90.

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: 1940-51. May 1, 14.48; Dec. 3, 16.65.

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 21.63, Aug. 4 and 5, 1951. Records available: 1940-51.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.48	16.50	16.55	16.61	16.61	20.00	17.60	21.22	20.39	19.40	19.07	18.86
2	16.48	16.49	16.55	16.61	16.65	19.90	17.70	21.20	20.16	19.37	19.07	18.84
3	16.48	16.52	16.58	16.60	16.64	19.30	17.73	21.55	19.95	19.35	19.05	18.83
4	16.48	16.52	16.56	16.57	16.64	18.75	17.80	21.63	.....	19.33	19.05	18.83
5	16.50	16.50	16.55	16.59	16.68	18.65	17.87	21.63	20.40	19.33	19.05	18.80
6	16.52	16.54	16.59	16.61	16.70	18.39	17.91	21.62	20.71	19.34	19.05	18.84
7	16.52	16.54	16.59	16.63	16.68	18.11	17.97	21.62	20.71	19.31	19.04	18.88
8	16.50	16.53	16.60	16.62	16.65	17.96	18.00	21.60	20.40	19.31	19.01	18.89
9	16.50	16.53	16.55	16.62	16.66	17.89	18.12	21.53	20.08	19.30	19.00	18.86
10	16.50	16.54	16.62	16.65	16.67	17.83	18.84	21.53	19.86	19.29	19.01	18.82
11	16.45	16.51	16.62	16.65	16.64	17.78	19.29	21.50	19.69	19.25	19.00	18.82
12	16.49	16.55	16.61	16.62	16.63	17.70	19.60	21.37	19.60	19.22	18.97	18.80
13	16.50	16.59	16.57	16.60	16.65	17.67	19.81	21.28	19.55	19.23	18.96	18.79
14	16.50	16.59	16.57	16.64	16.67	17.61	19.97	21.11	19.52	19.24	18.96	18.82
15	16.50	16.53	16.56	16.64	16.69	17.59	20.13	20.83	19.54	19.21	18.96	18.83
16	16.46	16.50	16.57	16.64	16.69	17.55	20.25	20.68	19.54	19.20	18.99	18.81
17	16.46	16.52	16.61	16.59	16.67	17.55	20.25	20.79	19.55	19.19	19.01	18.80
18	16.46	16.52	16.62	16.61	16.69	17.51	20.25	20.96	19.54	19.19	18.99	18.80
19	16.50	16.55	16.60	16.60	16.70	17.50	20.25	20.96	19.53	19.16	18.95	18.80
20	16.55	16.56	16.59	16.63	16.73	17.48	20.27	20.80	19.52	19.14	18.95	18.80
21	16.54	16.55	16.59	16.68	17.21	17.49	20.29	20.75	19.53	19.15	18.93	18.80
22	16.50	16.54	16.58	16.68	17.20	17.47	20.33	20.71	19.53	19.15	18.92	18.82
23	16.50	16.54	16.60	16.60	17.61	17.40	20.42	20.61	19.52	19.15	18.92	18.82
24	16.53	16.54	16.60	16.61	18.25	17.30	20.56	20.62	19.51	19.11	18.93	18.80
25	16.50	16.55	16.60	16.63	18.55	17.29	20.74	20.72	19.50	19.10	18.93	18.82

B-1-65-12ccc--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	16.47	16.55	16.57	16.62	18.94	17.30	20.91	20.75	19.47	19.12	18.93	18.82
27	16.50	16.54	16.59	16.61	19.20	17.40	21.06	20.80	19.41	19.12	18.92	18.80
28	16.52	16.55	16.61	16.62	19.41	17.42	21.22	20.80	19.41	19.11	18.90	18.76
29	16.52		16.60	16.58	19.59	17.50	21.24	.....	19.40	19.09	18.88	18.77
30	16.52		16.57	16.60	19.74	17.55	21.24	.....	19.40	19.09	18.87	18.77
31	16.50		16.60		19.90		21.22	20.60		19.07		18.80

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 20.09 below lsd, Dec. 5, 1940. Records available: 1940-51. May 1, 17.36; Dec. 3, 18.12.

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 35.56 below lsd, Dec. 5, 1940. Records available: 1940-51. May 1, 33.60; Dec. 3, 35.00.

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: 1937-51. Apr. 4, 19.64; Dec. 3, 17.18.

B-1-66-30ad. G. J. Mancini. Dug irrigation water-table well in alluvium, diameter 96 inches, depth 31 feet. Highest water level 10.29 below lsd, Oct. 12, 1933; lowest 17.92 below lsd, Apr. 23, 1946. Records available: 1929-51. Apr. 4, 17.90; Dec. 3, 14.62.

B-1-66-31dcd. Carl Caranci. Dug irrigation water-table well in alluvium, diameter 120 inches, depth 36 feet. Highest water level 14.90 below lsd, Sept. 6, 1929; lowest 20.80 below lsd, Oct. 27, 1939. Records available: 1929-51. Apr. 4, 19.50; Dec. 3, 19.31.

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 25.89 below lsd, Oct. 24, 1951. Records available: 1936-43, 1945-51. Feb. 7, 24.93; Apr. 18, 24.73; Oct. 24, 25.89.

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 40.11 below lsd, Oct. 5, 1948. Records available: 1947-51. Feb. 7, 36.82; Apr. 18, 36.19; Oct. 24, 38.52.

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: 1941-51. Feb. 7, 20.23; Apr. 18, 19.79; Oct. 24, 21.72.

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 38.38 below lsd, Sept. 13, 1948. Records available: 1942-51. Feb. 7, 31.79; Apr. 18, 30.81; Oct. 24, 36.75.

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. Feb. 7, 35.15; Apr. 18, 34.15.

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 50.50 below lsd, Oct. 24, 1951. Records available: 1944-51. Feb. 7, 46.03; Apr. 18, 45.45; Oct. 24, 50.50.

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 and Apr. 5, 1950; lowest 44.77 below lsd, Sept. 2, 1942. Records available: 1942-51. Feb. 7, 37.75; Apr. 18, 36.21; Oct. 24, 44.56.

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: 1934-51. Feb. 7, 27.19; Apr. 18, 27.56; Oct. 24, 28.97.

B-2-63-34ccc. R. L. Martin. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 105 feet. Land-surface datum is 4,830.3 feet above msl. Highest water level 50.48 below lsd, May 23, 1950; lowest 60.75 below lsd, Oct. 30, 1946. Records available: 1938-51. Feb. 7, 53.00; Apr. 18, 51.72; Oct. 24, 59.99.

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: 1934-51. Feb. 7, 45.40; Apr. 18, 44.64; Oct. 24, 48.83.

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: 1937-51. Feb. 7, 45.58; Apr. 18, 44.68; Oct. 24, 49.58.

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 11.55 below lsd, Dec. 5, 1940. Records available: 1940-51. May 1, 10.88; Dec. 5, 11.20.

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: 1929-51. Apr. 4, 13.11; Dec. 5, 11.64.

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: 1929-51. Apr. 4, 15.84; Dec. 5, 13.10.

B-2-66-29cc. S. J. Rhode. Dug irrigation water-table well in alluvium, diameter 96 inches. Highest water level 15.28 below lsd, Oct. 27, 1947; lowest 21.20 below lsd, May 8, 1941. Records available: 1935-51. Apr. 4, 20.49; Dec. 5, 17.50.

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: 1940-51. May 1, 7.60; Dec. 5, 7.02.

B-3-64-30ccc. Mrs. Maud C. Hanson. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 57 feet. Highest water level 5.36 below lsd, Apr. 29, 1947; lowest 9.04 below lsd, Nov. 3, 1941. Records available: 1940-51. May 1, 6.54; Dec. 5, 5.90.

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: 1947-51. Apr. 4, 19.00; Dec. 5, 14.21.

B-4-64-1ccc2. Alice St. John. Drilled irrigation water-table well in alluvium, diameter 18 inches. Highest water level 7.50 below lsd, Nov. 9, 1949; lowest 8.60 below lsd, May 1, 1951. Records available: 1949-51. May 1, 8.60; Dec. 5, 8.52.

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: 1940-51. May 1, 7.88; Dec. 5, 9.19.

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: 1940-51. May 1, 14.12; Dec. 5, 15.52.

B-4-65-6da2. C. E. Goodner. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 83 feet. Highest water level 10.21 below lsd, Nov. 8, 1949; lowest 16.55 below lsd, Apr. 4, 1951. Records available: 1949-51. Apr. 4, 16.55; Dec. 5, 12.30.

B-4-65-18daa. Root Bros. Dug irrigation water-table well in alluvium, diameter 120 inches, depth 23 feet. Highest water level 4.06 below lsd, May 12, 1942; lowest 13.56 below lsd, Apr. 17, 1935. Records available: 1929-51. Apr. 4, 12.60; Dec. 5, 9.21.

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: 1945-51. Apr. 4, 26.47; Dec. 5, 21.85.

B-4-66-13dd. Paul Jewel. Dug and drilled irrigation water-table well in alluvium, diameter 10 inches, depth 66 feet. Highest water level 13.17 below lsd, Sept. 17, 1930; lowest 19.50 below lsd, Oct. 9, 1934 and Apr. 17, 1935. Records available: 1929-51. Apr. 4, 19.00.

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: 1929-51. Apr. 4, 22.31; Dec. 5, 18.00.

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: 1939-51. Apr. 4, 29.45; Dec. 5, 24.18.

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: 1941-51. Apr. 4, 13.72; Dec. 5, 8.90.

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: 1942-51. Apr. 4, 7.95; Dec. 5, 7.48.

B-4-66-19ddd2. J. C. Breckon. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 62 feet. Highest water level 18.08 below lsd, Dec. 5, 1951; lowest 21.78 below lsd, Apr. 4, 1951. Records available: 1950-51. Apr. 4, 21.78; Dec. 5, 18.08.

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: 1942-51. Apr. 4, 8.22.

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: 1941-51. Apr. 4, 24.97; Dec. 5, 20.75.

B-4-66-31dcc. W. D. Farr. Dug and drilled irrigation water-table well in alluvium, diameter 48 inches, depth 54 feet. Highest water level 13.40 below lsd, Oct. 27, 1947; lowest 21.23 below lsd, Apr. 4, 1951. Records available: 1942-51. Apr. 4, 21.23; Dec. 5, 18.05.

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: 1941-51. Apr. 4, 8.03; Dec. 5, 5.49.

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: 1940-51. May 1, 6.98; Dec. 5, 5.83.

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. No measurement made in 1951.

B-5-65-26bcc. George Alles, Sr. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 45 feet. Highest water level 5.04 below lsd, Oct. 14, 1935; lowest 11.03 below lsd, Apr. 11, 1950. Records available: 1928-51. Apr. 4, 10.83; Dec. 5, 7.30.

B-5-65-27ccb. Henry A. Alles. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 50 feet. Highest water level 8.50 below lsd, Aug. 12, 1941; lowest 14.84 below lsd, Apr. 11, 1950. Records available: 1941-51. Apr. 4, 14.76; Dec. 5, 12.62.

B-6-63-29bbb. H. L. Wells. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 37 feet. Highest water level 7.19 below lsd, Aug. 11, 1932; lowest 16.31 below lsd, Nov. 29, 1950. Records available: 1932-51. Apr. 13, 16.56; Nov. 30, 13.71.

B-6-64-24aaa. M. R. Leaver. Drilled irrigation water-table well in alluvium, diameter 48 inches. Highest water level 6.30 below lsd, Sept. 1, 1933; lowest 12.95 below lsd, Dec. 23, 1940. Records available: 1932-51. Apr. 13, 12.10; Nov. 30, 9.20.

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 18.84 below lsd, Nov. 29, 1950. Records available: 1949-51. Apr. 13, 17.91; Nov. 30, 15.05.

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: 1938-51. Apr. 13, 9.75; Nov. 30, 7.84.

B-6-64-32bab. Charles Moore. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 60 feet. Highest water level 22.88 below lsd, Nov. 2, 1945; lowest 30.11 below lsd, Apr. 25, 1941. Records available: 1941-51. Apr. 13, 27.60; Nov. 30, 24.08.

B-6-65-3bb. T. H. Wilson. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 32 feet. Highest water level 7.20 below lsd, May 5, 1944; lowest 12.85 below lsd, Dec. 23, 1940. Records available: 1940-51. Apr. 13, 8.40; Nov. 30, 7.48.

B-6-65-10bbb. L. C. Roberts. Dug and drilled irrigation water-table well in alluvium, diameter 48 inches, 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, 1947-51. Apr. 13, 8.94; Nov. 30, 8.01.

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, 1947-51. Apr. 13, 11.81; Nov. 30, 10.10.

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: 1932-51. Apr. 13, 28.49; Nov. 30, 26.67.

B-6-65-18bbb. James Milne. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 51 feet. Highest water level 24.15 below lsd, Nov. 2, 1945; lowest 38.40 below lsd, Sept. 16, 1940. Records available: 1938-51. Apr. 13, 30.85; Nov. 30, 29.51.

B-6-65-21aab. H. N. Bickling. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 64 feet. Highest water level 5.32 below lsd, July 9, 1929; lowest 16.07 below lsd, Apr. 25, 1941. Records available: 1929-51. Apr. 13, 11.52.

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: 1941-51. Apr. 13, 15.87; Nov. 30, 9.53.

B-6-66-1bab. Gust Johnson. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 54 feet. Highest water level 18.43 below lsd, Jan. 10, 1929; lowest 35.76 below lsd, Nov. 3, 1941. Records available: 1929, 1931-51. Apr. 13, 30.90; Nov. 30, 32.29.

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: 1941-51. May 1, 16.03; Nov. 30, 12.49.

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: 1941-51. May 1, 8.82; Nov. 30, 7.29.

B-6-67-17dc. Henry Kraus. Drilled irrigation water-table well in alluvium, diameter 48 inches, 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, 1941-51. May 1, 8.52; Nov. 30, 6.94.

B-6-67-22aaa. F. A. Davis. Drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 6.62 below lsd, May 1, 1944; lowest 8.26 below lsd, May 2, 1941. Records available: 1941-51. Nov. 30, 8.22. Measurement discontinued.

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, 1947-51. Apr. 13, 37.92; Nov. 30, 37.72.

B-7-65-10bcb. M. H. Graham. Dug irrigation water-table well in alluvium, diameter 96 inches, 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, 1947-51. Apr. 13, 15.58; Nov. 30, 13.53.

B-7-65-16bbb. K. Akahoshi. Drilled irrigation water-table well in alluvium, diameter 48 inches. Highest water level 4.64 below lsd, Nov. 30, 1951; lowest 7.42 below lsd, Apr. 29, 1946. Records available: 1942-48, 1950-51. Nov. 30, 4.64.

B-7-65-18cdb. Harry Clark. Drilled irrigation water-table well in alluvium, diameter 48 to 40 inches, depth 66 feet. Highest water level 2.93 below lsd, Sept. 10, 1929; lowest 35.35 below lsd, Apr. 15, 1942. Records available: 1929-32, 1935, 1942-48, 1950-51. Apr. 13, 29.63; Nov. 30, 30.56.

B-7-65-21aaa. H. G. Liebhardt. Drilled irrigation water-table well in alluvium, diameter 48 inches. Highest water level 5.80 below lsd, May 5, 1944; lowest 9.16 below lsd, Apr. 24, 1941. Records available: 1941-45, 1947-51. Nov. 30, 6.95.

B-7-65-28aa. R. F. Blandon. Drilled irrigation water-table well in alluvium, diameter 48 inches. Highest water level 13.67 below lsd, Sept. 17, 1930; lowest 18.58 below lsd, Dec. 23, 1940. Records available: 1929-45, 1947-51. Apr. 13, 15.85; Nov. 30, 14.58.

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, 1950-51. Apr. 13, 22.53; Nov. 30, 22.87.

B-7-66-1ab. C. A. Pettibone. Drilled irrigation water-table well in alluvium, diameter 48 inches, 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, 1947-51. Apr. 13, 17.77; Nov. 30, 14.80.

B-7-66-2abb. L. Fletcher. Drilled irrigation water-table well in alluvium, diameter 48 inches, 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, 1947-51. Nov. 30, 24.71.

B-7-66-14aba. Fred Hoffner. Dug irrigation water-table well in alluvium, diameter 120 inches, depth 39 feet. Highest water level 8.00 below lsd, Sept. 11, 1929; lowest 25.17 below lsd, Apr. 18, 1942. Records available: 1929-51. Apr. 13, 17.17; Nov. 30, 15.38.

B-7-66-14bcc. Mrs. Alice Ehn. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 47 feet. Highest water level 14.35 below lsd, Nov. 30, 1951; lowest 22.35 below lsd, Apr. 15, 1942. Records available: 1942-51. Apr. 13, 16.70; Nov. 30, 14.35.

B-7-66-25bcc. Guy Clark. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 65 feet. Highest water level 24.40 below lsd, Mar. 29, 1943; lowest 36.81 below lsd, Nov. 3, 1941. Records available: 1935-51. Apr. 13, 31.14; Nov. 30, 31.40.

B-8-65-8bbb. H. L. Kramer. Drilled irrigation water-table well in alluvium, diameter 48 inches. Highest water level 18.62 below lsd, Nov. 6, 1945; lowest 22.53 below lsd, Apr. 22, 1949. Records available: 1941-51. Apr. 13, 21.38; Nov. 30, 21.81.

B-8-65-20dbb. Edward Vadeburg. Dug irrigation water-table well in alluvium, diameter 96 inches, depth 30 feet. Highest water level 12.80 below lsd, Jan. 9, 1929; lowest 21.08 below lsd, Dec. 23, 1940. Records available: 1928-45, 1947-51. Apr. 13, 14.95; Nov. 30, 14.34.

B-8-65-28bbb. W. T. Miller. Dug irrigation water-table well in alluvium, diameter 96 inches, 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, 1947-51. Apr. 13, 13.13; Nov. 30, 11.71.

B-8-65-34abb. J. F. Duncan. Dug irrigation water-table well in alluvium, diameter 120 inches, depth 16 feet. Highest water level 3.94 below lsd, Feb. 25, 1931; lowest 8.22 below lsd, Apr. 24, 1941. Records available: 1929-51. Apr. 13, 7.13; Nov. 30, 4.17.

B-8-65-34dcc. A. B. McClave. Drilled irrigation water-table well in alluvium, diameter 48 inches, 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: 1928-51. Apr. 13, 7.40; Nov. 30, 5.39.

B-8-66-1bab. Herman Babb. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 25 feet. Highest water level 14.29 below lsd, Dec. 3, 1942; lowest 22.28 below lsd, Nov. 30, 1951. Records available: 1931, 1940-51. Apr. 13, 21.66; Nov. 30, 22.28.

B-8-66-22aaa. Troy Jones. Dug irrigation water-table well in alluvium, diameter 144 inches, depth 31 feet. Highest water level 16.20 below lsd, Jan. 8, 1947; lowest 20.70 below lsd, Oct. 25, 1939. Records available: 1929-51. Apr. 13, 20.18; Nov. 30, 20.57.

B-8-66-26cbb-2. C. Fisk. Dug irrigation water-table well in alluvium, diameter 96 inches, 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: 1947-51. Apr. 13, 26.22; Nov. 30, 24.05.

B-9-65-18cbb. U. S. Dept. of Agriculture. Dug unused water-table well in alluvium, diameter 96 inches. Highest water level 20.30 below lsd, Nov. 6, 1945; lowest 21.35 below lsd, Apr. 14, 1942. Records available: 1942-51. Apr. 13, 20.43.

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 23.82 below lsd, Apr. 22, 1949. Records available: 1942-51. Apr. 13, 23.66.

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, 1942, Dec. 3, 1942; lowest 44.42 below lsd, May 17, 1945. Records available: 1942-51. Apr. 13, 44.36.

IDAHO

By J. W. Stewart and Eugene Shuter

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, the United States Navy, 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. At the end of the year measurements were being made in 95 wells in 17 of the 44 counties in Idaho. (See figs. 10-13) Eleven wells were equipped with recording gages and two with nonrecording gages.

The following mimeographed reports, containing well records and water-level measurements, were released in 1951: Water levels in wells and lakes in Rathdrum Valley and contiguous areas, Bonner and Kootenai Counties, northern Idaho, by S. W. Fader; Records of wells and ground-water withdrawals for irrigation in Raft River Valley, Cassia County, Idaho, by S. W. Fader; Preliminary report on ground water in the Michaud Flats project, Power County, Idaho, by J. W. Stewart, R. L. Nace, and Morris Deutsch.

Interpretation of Water-Level Fluctuations

In the heavily irrigated Boise Valley, in Ada and Canyon Counties, the effects of local precipitation on water-level fluctuations are largely masked by the effects of seepage losses from irrigation. Water levels in four of nine wells in the valley, for which long-term records are available, reached new record high levels during 1951, in the latter part of the irrigation season and near the year-end. In one well there was a small net rise of water level during the year, while in four others there were small net declines. 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, ranged slightly below normal, but the year-end level was 1.5 feet above that of 1950. 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 a net decline of 2.8 feet in well 3N 41E-6cb1 in Bonneville County, near the edge of an extensive irrigated area. Well 16S 27E-26ba1, in the Raft River Valley, Cassia County, reached a new record high near the end of the irrigation season. Other wells in this valley fluctuated through their normal ranges and did not show appreciable net changes in storage, despite substantially increased withdrawals of ground water for new irrigation developments in the valley. Irrigation withdrawals in 1951 were about 18,000 acre-feet, compared with 16,000 in 1950, 12,000 in 1949, and 9,000 in 1948. In the Rathdrum Valley of Kootenai County, water levels in five wells at the end of the year ranged from 0.0 to 1.6 feet below the 1950 year-end levels. In the northern part of Rathdrum Valley water levels in wells appear to reach their highest yearly levels after mid-summer; those in the southwestern part tend to reach their highest yearly levels before mid-summer. Wells near Pend Oreille Lake attain their highest levels in late spring when the stage of the lake is at its maximum. A hydrograph of water levels in observation well 53N 4W-24bb1 in the northern part of Rathdrum Valley, is shown in figure 15. The hydrograph shows that water levels have increased about 20 feet since 1941. The rise in water levels is a result of a wet cycle which began about 1941. In Latah County, well 39N 5W-7dd1, a nonflowing artesian well in the Moscow Basin, continued the cumulative decline noted in previous years, dropping to a new record low of 74.9 feet in late August, with a substantial net decline for the period of record. In well 39N 5W-10ac1, a shallow water-table well east of the Moscow Basin, the water level ranged slightly above that of 1950. Total precipitation in the area was above normal for the year. In the Malad Valley of Oneida County, water levels in 6 of 17 observed wells reached new record high levels, in contrast to conditions in 1950, when 8 of the 17 observed wells reached record low levels and none reached a record high. In eight of these wells water levels at the end of the year were 0.4 foot to 4.7 feet above the 1950 year-end levels; in other wells water levels were 0.5 foot to 4.7 feet below 1950 year-end levels. Year-end departures of water levels from average ranged between -4.7 feet and +4.7 feet. Precipitation in the Malad Valley was above normal and slightly more than in 1950. Differences in net changes of water

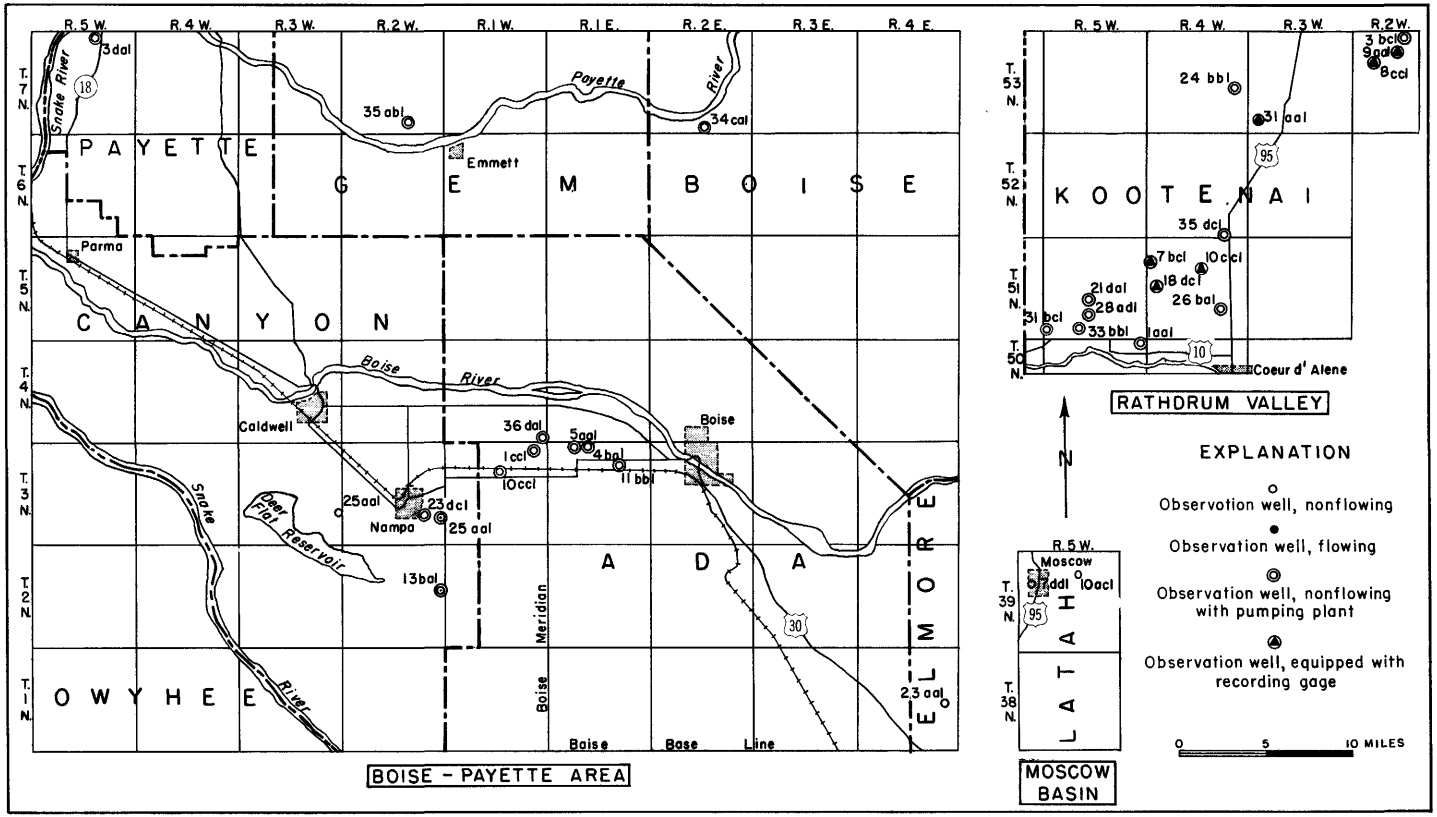


Figure 10. --Location of observation wells in Boise-Payette area, Rathdrum Valley, and Moscow Basin, Idaho.

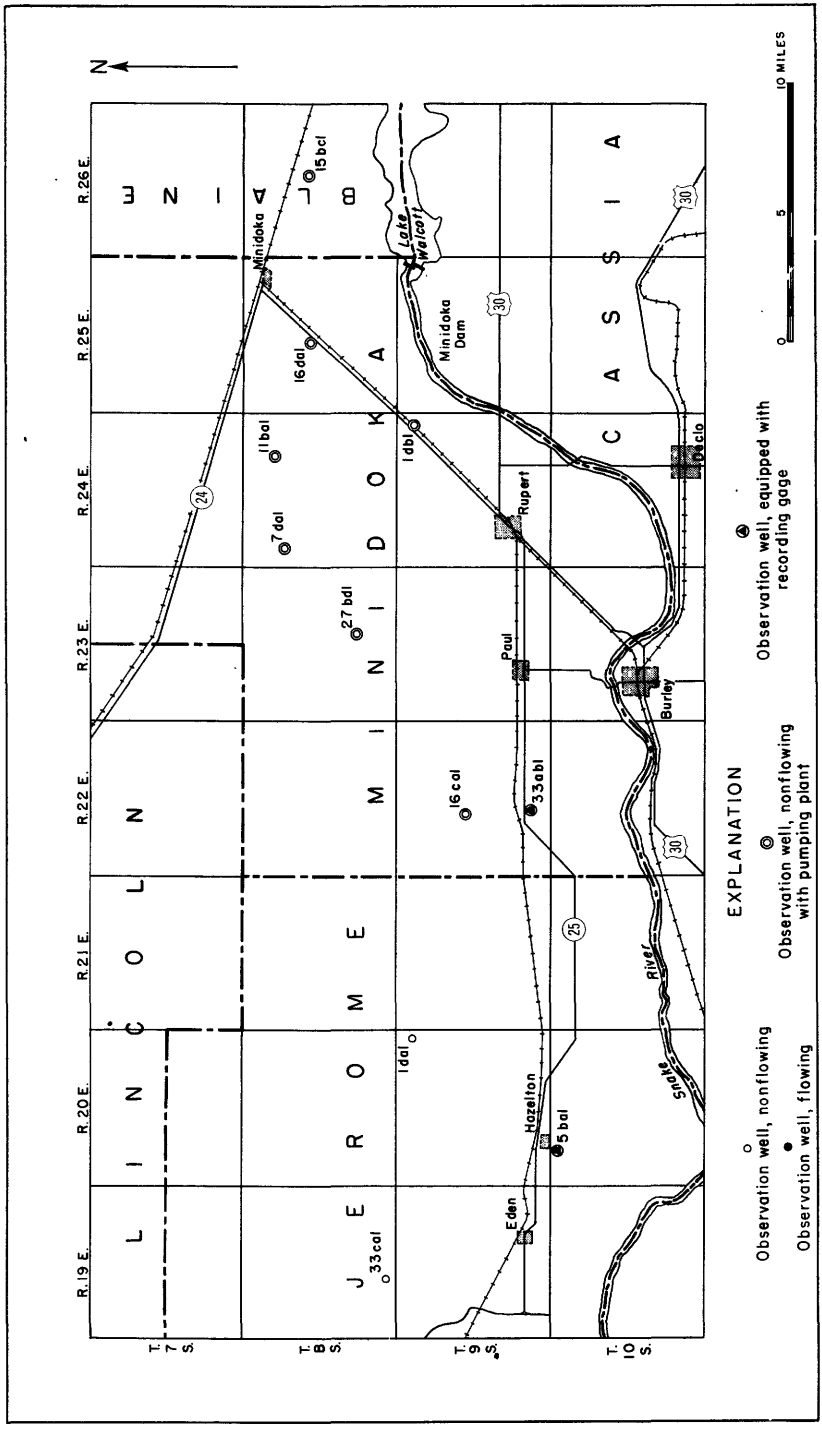


Figure 11.--Location of observation wells in western Snake River Plain, Idaho.

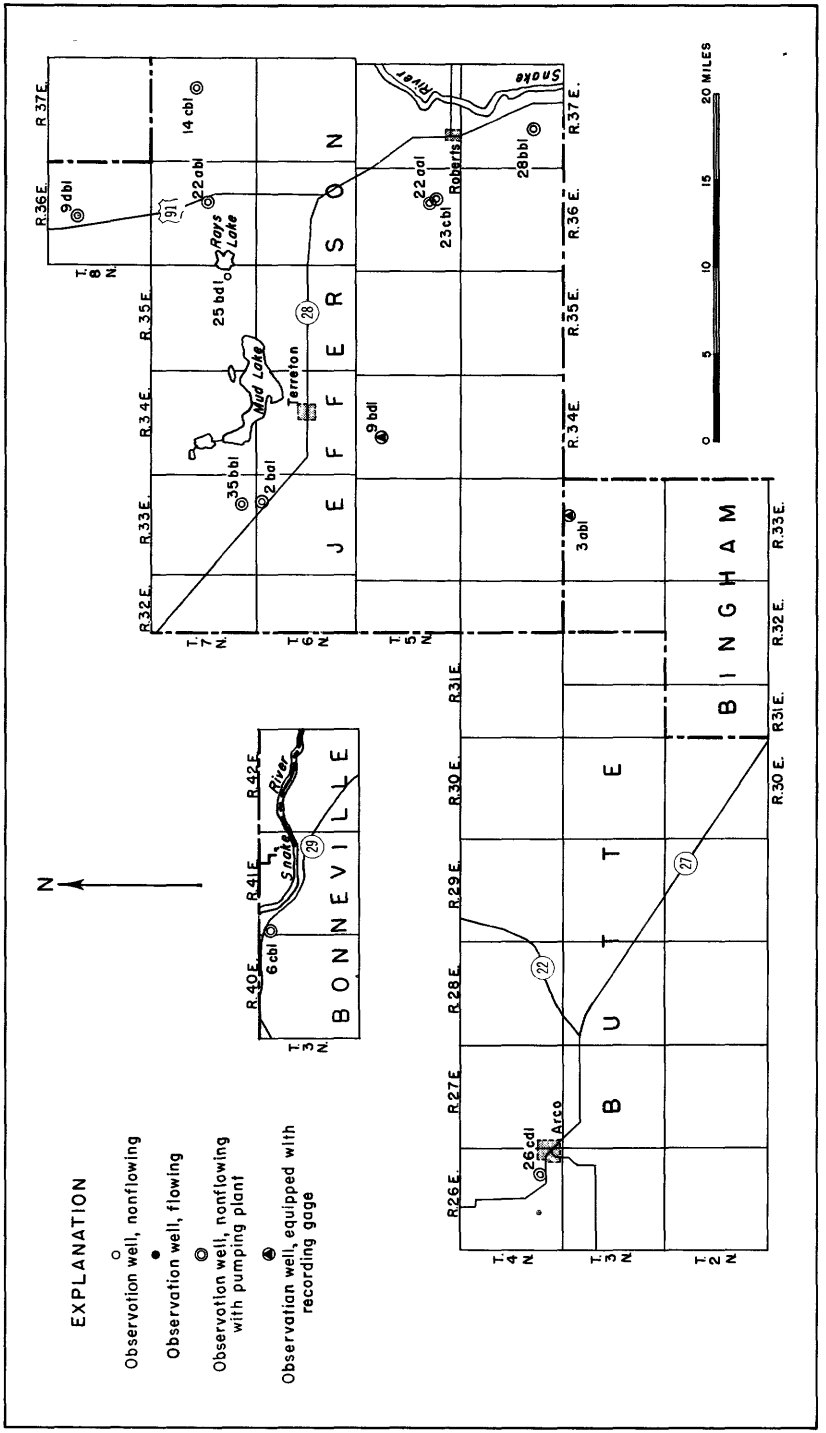


Figure 12.--Location of observation wells in eastern Snake River Plain, Idaho.

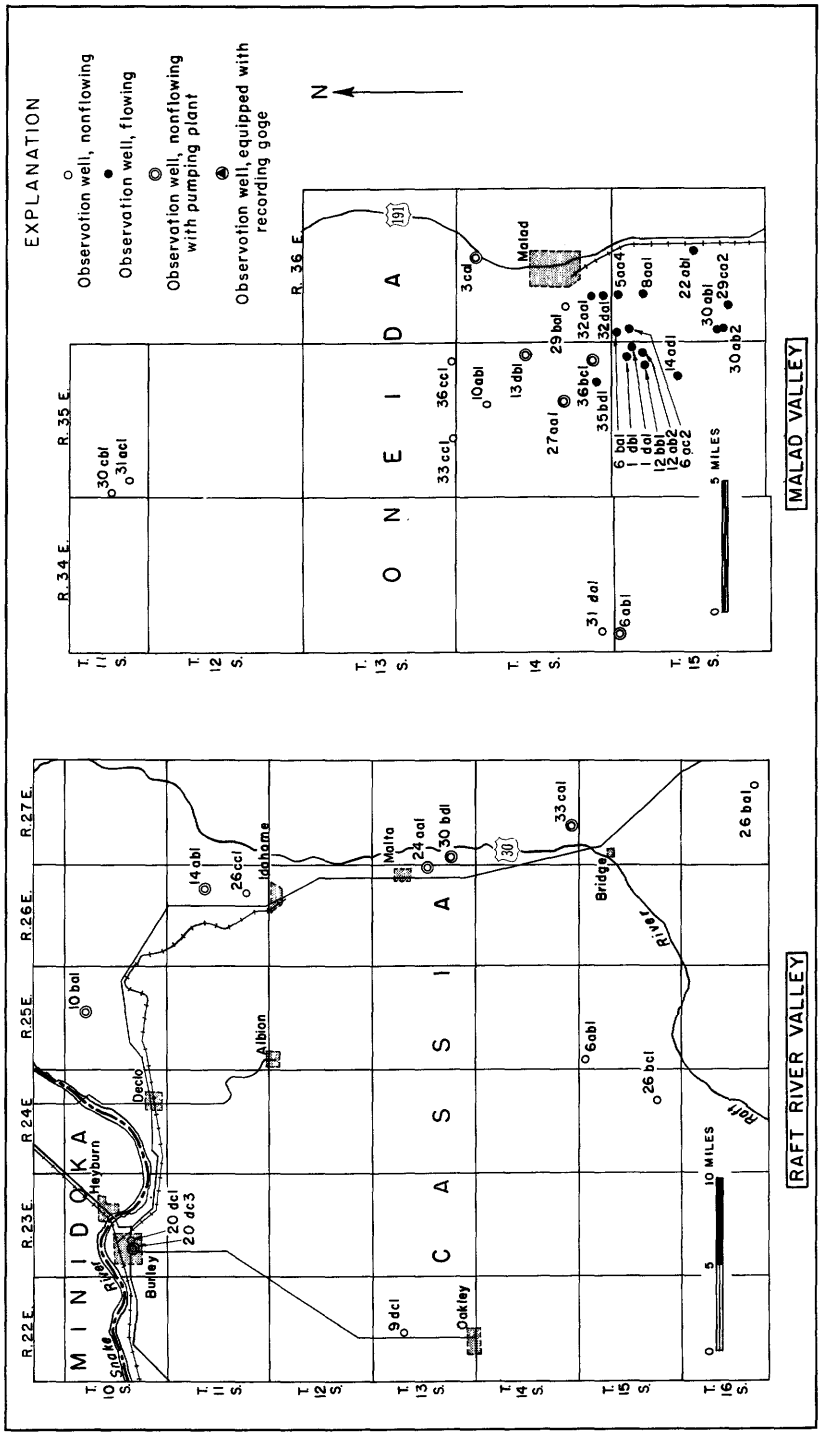


Figure 13.--Location of observation wells in Raft River Valley, Cassia County, and Malad Valley, Oneida County, Idaho

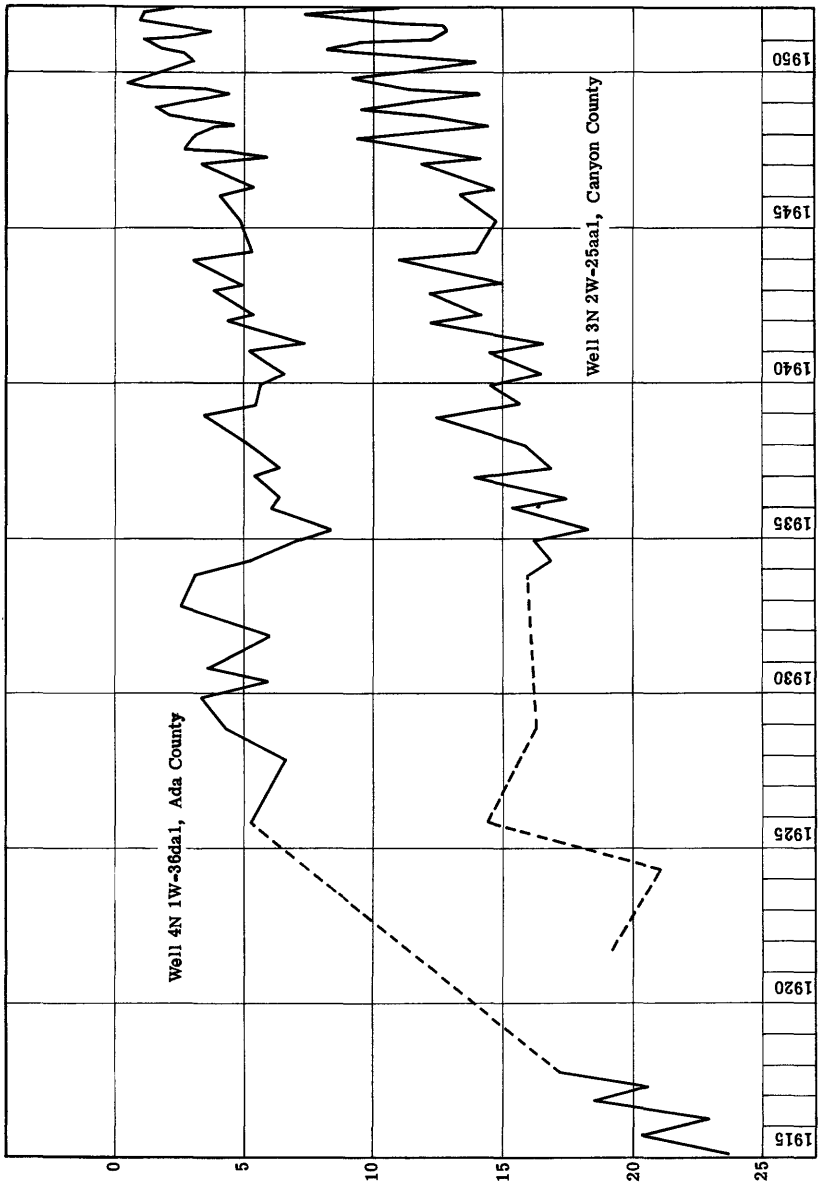


Figure 14.--Fluctuations of water level in wells in Boise Valley, Ada and Canyon Counties, Idaho.

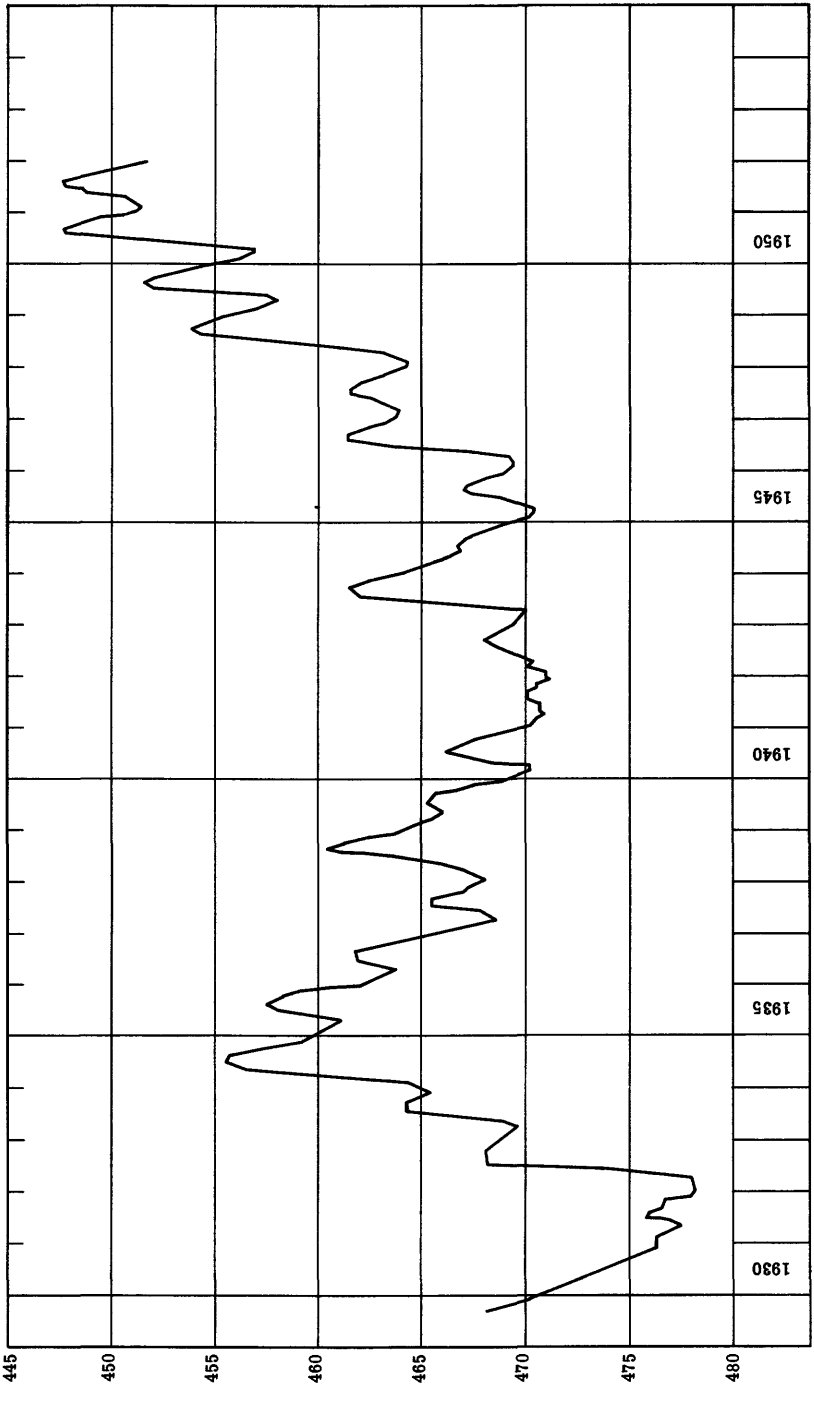


Figure 15.--Fluctuations of water level in well 53N 4W-24bb1, Kootenai County, Idaho.

levels and in departure from average are partly a result of local pumpage and discharge by flowing wells. The establishment of a number of record high levels during the year was partly a result of above-normal precipitation in the area for the past several years. The general net rise in levels, however, indicates that recharge exceeded the draft on the supply during the year. The wells in this area characteristically reach their highest levels during the period from February to April. Water levels in wells 3N 33E-3ab1 and 5N 34E-9bd1, in Bingham and Jefferson Counties, fluctuate in response to changes in barometric pressure, as well as to other factors. Study indicates that the barometric efficiency of the wells is about 60 percent. The water levels reported for these wells are not adjusted for the effects of barometric pressure. A hydrograph of water levels in observation well 3N 41E-6cb1, Bonneville County, in the eastern Snake River plain, is shown in figure 16.

Water-level fluctuations in 1951 in observation wells with 6 or more years of record are summarized in the following tables.

Net changes in water levels in observation wells and precipitation in Idaho, 1951

County and well number	Net change	Departure from average (feet)	Station	Precipitation in inches at nearest U. S. Weather Bureau Station		
				Total precipitation	Departure from normal	Net departure from 1950 total
Ada:						
4N 1W-36da1	-1.49	+3.56	Meridian	13.00	+0.32	+1.09
3N 1W- 1cc1	-0.20	+0.48				
10cc1	-0.38	-0.17				
3N 1E- 4ba1	+1.40	+8.56	Nampa	12.05	+2.04	+1.68
5aa1	-0.70	+0.32	Boise Airport	13.69	+0.60	-0.30
11bb1	+0.17	+1.31				
Boise:						
7N 2E-34ca1	+1.50	+0.57	Emmett	14.96	+4.13	-1.68
Bonneville:						
3N 41E- 6cb1	-2.80	-2.45	Ririe	15.72	.....	+8.72
Canyon:						
3N 3W-25aa1	+0.31	-0.02	Caldwell	13.30	+3.09	+0.85
3N 2W-23dc1	-0.20	+0.94	Nampa	12.05	+2.04	+1.68
25aa1	+1.20	+2.82				
Cassia:						
13S 26E-24aa1	-0.40	-0.48				
16S 27E-26ba1	+4.50	+2.80				
Jefferson:						
7N 35E-25bd1	-0.02	+0.27	Hamer	10.38	+3.81	+3.81
Kootenai:						
53N 4W-24bb1	-1.1	+17.4				
53N 2W- 3bc1	0	+0.2	Coeur d'Alene RS	31.00	+6.65	+2.14
9aa1	-1.6	+2.3	Coeur d'Alene CAA	25.70	.....	+3.72
51N 5W-33bb1	-1.2	+12.2				
50N 5W- 1aa1	-0.5	+16.2				
Latah:						
39N 5W- 7dd1	-2.72	-16.92	Moscow	21.12	-0.58	+6.07
10ac1	+1.85	+1.01				
Oneida:						
14S 35E-10ab1	-1.8	-1.0				
13db1	.....	.....				
27aa1	.....	.....				
35bd1	-4.7	-10.1				
36bc1	.....	-3.95				
14S 36E- 3ca1	.....	-4.15				
29ba1	+0.35	+2.44				
32aa1	-0.5	+0.46				
32da1	-1.0	+0.85				
15S 35E- 1da1	+4.5	-5.24				
1db1	-2.6	-5.32				
12ab2	-4.3	-4.88	Malad	16.38	+0.37	+0.07
12bb1	-2.3	-6.93	Malad Airport	13.98	.....	+1.06
14ad1	+0.4	+1.22				
15S 36E- 5aa4	+4.7	+4.03				
6ac2	-1.8	-2.9				
6ba1	+3.4	-4.60				
8aa1	+2.6	-0.44				
29ca2	+2.1	+0.59				
30ab1	-0.9	-1.80				
30ab2	-0.1	-0.51				
Payette:						
7N 5W- 3da1	-1.0	-0.05	Payette	11.98	+1.11	+1.86

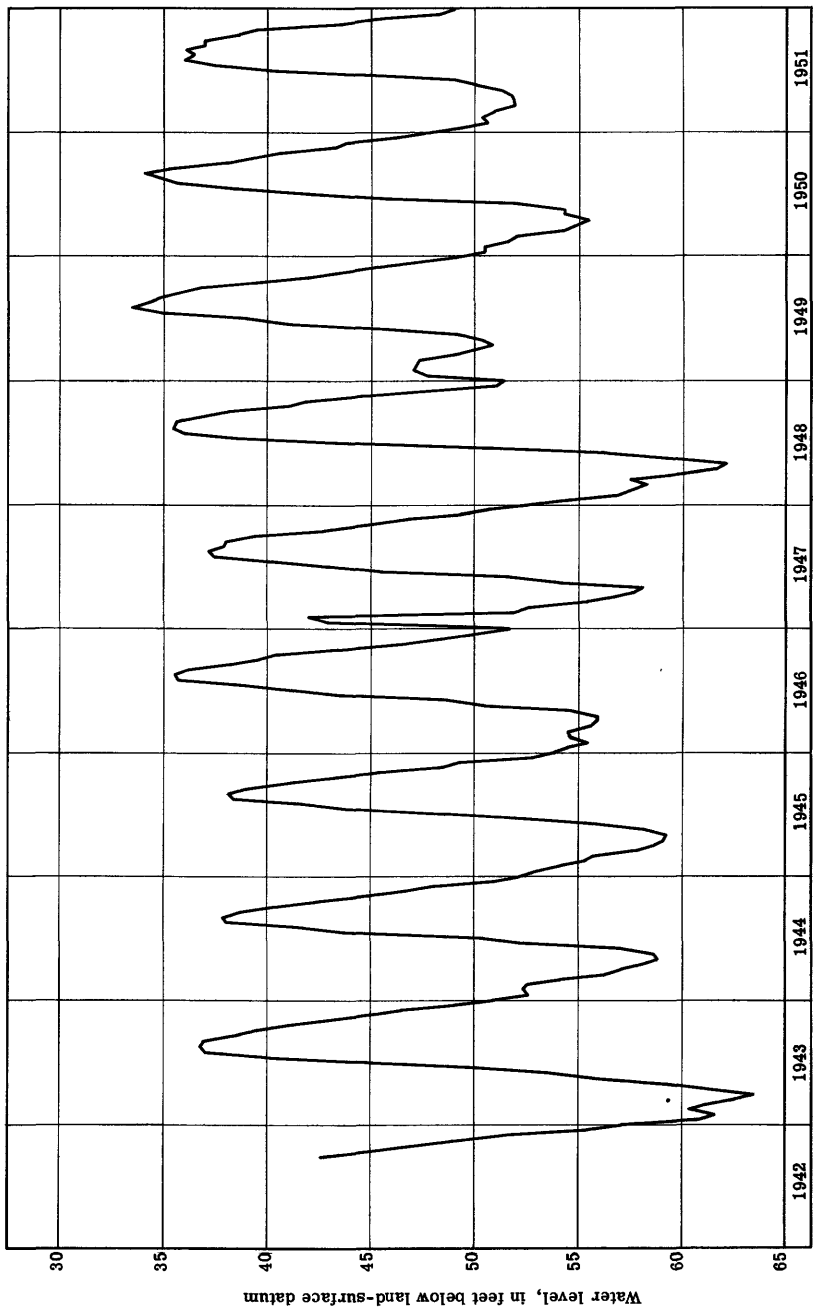


Figure 16.--Fluctuations of water level in well 3N 41E-6cb1, Bonneville County, Idaho.

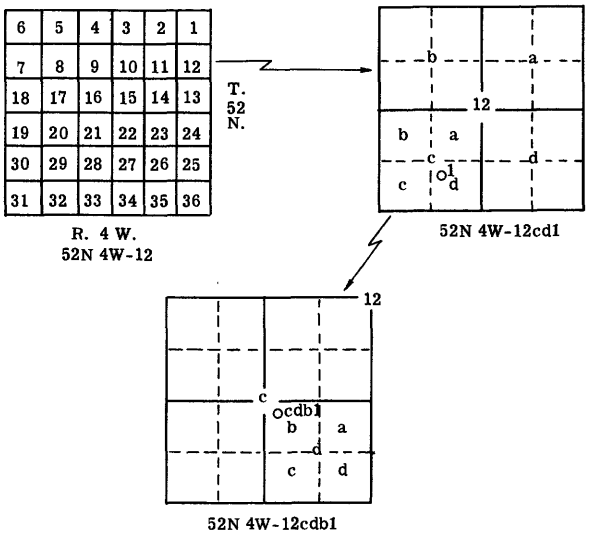
Water levels, in feet, in observation wells in Idaho, 1951

County and well number	Length of record (years)	Highest		Lowest		Extreme observed range	Year-end water level 1951			
		Water level	Date	Water level	Date		Water level	Date	Above + or below − 1950	Above lowest level (%)
Ada:										
4N 1W-36da1	a29	0.40	9-23-49	23.7	2- 9-15	23.3	2.56	12-20-51	-1.49	90
3N 1W 1cc1	b21	5.74	8-31-50	18.7	4-14-15	13.0	9.33	12-20-51	-0.20	72
10cc1	b33	1.30	9-22-49	11.0	Dec. 1913	9.7	4.45	12-20-51	-0.38	68
3N 1E-4ba1	a23	8.90	9-20-51	27.6	11-26-26	18.7	8.90	9-20-51	+1.40	100
5aa1	19	5.00	8-30-49	21.3	3-23-35	16.3	12.60	12-26-51	-0.70	53
11bb1	28	4.25	8- 9-51	19.9	3-31-24	15.6	9.04	12-20-51	+0.17	70
Boise:										
7N 2E-34ca1	9	31.6	5-12-43	42.4	7-26-50 8- 9-50	10.8	38.60	12-26-51	+1.50	35
Bonneville:										
3N 41E-6cb1	b12	33.5	7-30-49	63.4	3-27-43	29.9	49.2	12-29-51	-2.80	47
Canyon:										
3N 3W-25aa1	19	5.96	8- 9-51	12.5	2-23-42	6.5	10.89	12-20-51	+0.31	25
3N 2W-23dc1	b26	16.65	9-20-51	28.80	11-18-29	12.15	19.70	12-20-51	-0.20	75
25aa1	b23	7.4	9-20-51	21.0	4-21-24	13.6	11.00	12-20-51	+1.20	74
Cassia:										
13S 26E-24aa1	11	2.07	5-19-49	8.64	11- 7-49	6.57	5.77	10-26-51	-0.40	44
16S 27E-26ba1	a15	10.41	8-28-51	36.4	4-22-50	25.99	14.98	10-26-51	+4.50	82
Jefferson:										
7N 35E-25bd1	a18	2.80	12-10-31	12.67	7-18-50	9.87	6.69	11-23-51	-0.02	61
Kootenai:										
53N 4W-24bb1	23	447.6	8-21-50 7-16-51 7-23-51	478.1	1-15-32	30.5	452.2	12-31-51	-1.1	74
53N 2W-3bc1	9	202	5-26-49	228	11-14-44	26	221	11-26-51	0	27
9aa1	9	228	6- 8-48	252	1- 2-44 10-30-44	24	242.4	12-31-51	-1.7	40
51N 5W-33bb1	24	134.1	6-29-50	166.6	2-11-32	32.5	140.6	11-20-51	-1.2	80
50N 5W-1aa1	23	176.1	9- 1-50	212.3	12- 8-31	36.2	180.8	11-20-51	-0.5	87
Latah:										
39N 5W-7dd1	a9	50.10	4-19-38	74.90	8-25-51	24.8	72.72	11-19-51	-2.72	9
10ac1	a12	5.97	3-21-49	17.61	2-11-37	11.64	13.39	11-19-51	+1.85	36
Oneida:										
14S 35E-10ab1	10	115.4	5- 4-48	124.6	10-13-47	9.2	119.2	9-13-51	-1.8	59
13db1	9	66.66	5- 4-48	76.34	10-21-44	9.68	.....	.....	.....	...
27aa1	9	52.65	4- 9-47	60.05	10-25-48	7.4	.....	.....	.....	...
35bd1	9	+29.0	2-25-46	+10.50	9- 7-50	18.5	+12.5	9-13-51	-4.7	11
36bc1	9	15.69	4- 1-47	22.49	9-27-49	6.80	21.96	9-13-51	.....	8
14S 36E-3ca1	a11	59.15	10-16-32	74.22	9-14-51	13.6	74.22	9-14-51	.....	0
29ba1	10	23.18	7-20-43	33.40	9- 7-50	10.22	25.58	9-13-51	+0.35	76
32aa1	9	+7.6	5- 2-44 2-25-46	0.8	10-24-48	8.4	+4.1	9-13-51	-0.5	58
32da1	11	+3.7	4- 2-47 2-28-51	1.3	9-27-49	5.0	+1.8	9-13-51	-1.0	62
15S 35E-1da1	8	+33.1	5- 3-44	+16.9	9- 7-50	16.2	+21.4	9-13-51	+4.5	28
1db1	9	+25.9	5- 3-44	+8.6	9- 7-50	17.3	+14.7	9-13-51	-2.6	35
12ab2	9	+25.6	2-28-51	+13.0	5- 5-48	12.6	+13.8	9-13-51	-4.3	6
12bb1	9	+14.5	4- 1-47	+0.1	9- 7-50	14.4	+1.9	9-13-51	-2.3	12
14ad1	9	+6.7	9-13-51	+1.9	5- 3-44	4.8	+6.7	9-13-51	+0.4	100
15S 36E-5aa4	b10	+17.0	2-28-51	+7.9	9-27-49	9.1	+12.6	9-13-51	+0.3	52
6ac2	9	+17.0	2-28-51	+7.0	9-27-49	10.0	+9.2	9-13-51	-1.8	12
6ba1	9	+23.1	5- 4-44	+8.0	9- 7-50	15.1	+11.4	9-13-51	+3.4	22
8aa1	9	+22.1	2-28-51	+11.8	6-29-43	10.3	+15.8	9-13-51	+2.6	39
29ca2	9	+12.9	5- 3-44 3- 1-45	+3.2	9- 7-50	9.7	+11.3	9-13-51	+2.1	84
30ab1	9	+14.9	5- 3-44	+8.8	9- 7-50	6.1	+11.2	9-13-51	-0.9	39
30ab2	9	+12.9	4-25-51	+9.0	9- 7-50	3.9	+10.3	9-13-51	-0.1	33
Payette:										
7N 5W-3da1	11	31.0	9-12-49 10- 7-49	43.3	4-27-49 5- 3-49	12.3	38.5	12-31-51	-1.0	39

a Discontinuous record.
b Intermittent record.

Well-Numbering System

Well numbers indicate the locations of wells within the official rectangular subdivisions of the public lands, with reference to the Boise base line and meridian. The first two segments of a number designate the township and range. The third segment gives the section number, followed by two or three letters and a numeral, which indicate the quarter-section, the 40-acre tract, the 10-acre tract, and the serial number of the well within the tract. Quarter sections are lettered a, b, c, and d in counterclockwise order, from the northeast quarter of each section (see diagram). Within the quarter-sections, 40-acre tracts are lettered in the same manner. Well 52N 4W-12cd1 is in the $SE\frac{1}{4}SW\frac{1}{4}$ sec. 12, T. 52 N., R 4 W., and is the well first visited in that tract. Where wells are numerous and closely spaced the 40-acre tracts may be subdivided into 10-acre tracts, designated by a third letter in the third segment of the number. Thus well 12cdb1 is in $NW\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$ sec. 12.



Well Descriptions and Water-Level Measurements

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

Ada County

4N 1W-36da1. Richard Foster. Drilled and dug domestic water-table well, diameter 3 inches, reported depth 184 feet, open bottom. Land-surface datum is 2,581.5 feet above msl datum of 1929 (preliminary). Water level influenced by local irrigation. Highest water level 0.40 below lsd, Sept. 23, 1949; lowest 23.7 below lsd, Feb. 9, 1915. Records available: 1915-17, 1925, 1927-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	2.68	June 5	7.89	Sept. 20	4.95	Nov. 23	1.94
Mar. 8	3.66	July 13	6.91	Oct. 19	1.05	Dec. 20	2.56
May 7	9.64	Aug. 9	.99				

3N 1W-1cc1. Jerald Dunten. Drilled stock and domestic water-table well, diameter 3 inches, reported depth 180 feet. Land-surface datum is 2,584.2 feet above msl datum of 1929 (preliminary). Water level influenced by local irrigation. Highest water level 5.74 below lsd, Aug. 31, 1950; lowest 18.7 below lsd, Apr. 14, 1915. Records available: 1913-16, 1925, 1934-35, 1938-51.

Jan. 18	9.95	June 5	8.22	Sept. 20	6.86	Nov. 23	7.43
Mar. 8	11.20	July 13	6.75	Oct. 19	7.55	Dec. 20	9.33
May 7	9.21	Aug. 9	6.40				

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, 1927-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	4.30	June 5	2.80	Sept. 20	2.43	Nov. 23	4.17
Mar. 8	4.33	July 13	2.85	Oct. 19	3.34	Dec. 20	4.45
May 7	3.52	Aug. 9	2.42				

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 2,626.5 feet above msl datum of 1929 (preliminary). Highest water level 8.9 below lsd, Sept. 20, 1951; lowest 27.6 below lsd, Nov. 26, 1926. Records available: 1926-29, 1933-51. Mar. 13, 17.4; Sept. 20, 8.9.

3N 1E-5aa1. J. E. Wingate. Dug domestic water-table well in sand and gravel of Quaternary age, diameter 36 inches, reported depth 60 feet. Land-surface datum is 2,620.8 feet above msl datum of 1935 (preliminary). Water level influenced by local irrigation. Highest water level 5.0 below lsd, Aug. 30, 1949; lowest 21.3 below lsd, Mar. 23, 1935. Records available: 1933-51.

Jan. 2	12.1	Apr. 3	15.4	July 3	9.5	Oct. 2	7.6
9	12.6	10	15.6	10	8.7	9	8.2
16	12.9	18	15.9	17	8.4	16	8.8
23	13.3	24	15.6	24	8.0	23	9.2
30	13.7	May 1	14.9	31	7.0	30	9.7
Feb. 6	13.5	8	14.5	Aug. 7	7.6	Nov. 6	10.1
13	13.6	15	14.0	14	7.0	13	10.6
20	13.8	22	13.5	21	6.9	20	11.0
27	14.2	30	12.3	28	6.4	27	11.3
Mar. 6	14.2	June 5	11.0	Sept. 4	6.0	Dec. 4	11.6
8	14.3	12	11.5	11	6.0	11	11.9
14	14.6	19	10.8	18	5.9	18	12.1
21	14.8	26	10.0	25	7.0	26	12.6
27	15.0						

3N 1E-11bb1. F. M. Wheaton. Formerly H. L. Randall. 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 4.25 below lsd, Aug. 9, 1951; lowest 19.9 below lsd, Mar. 31, 1924. Records available: 1924-51.

Jan. 18	10.39	May 7	9.00	Aug. 9	4.25	Oct. 19	6.50
Mar. 8	10.48	June 5	5.60	Sept. 20	4.66	Nov. 23	7.11
14	10.50	July 13	5.26	21	4.80	Dec. 20	9.04

Bingham County

3N 33E-3ab1. U. S. Geol. Survey. Drilled observation water-table well in Snake River basalt, diameter 6 inches, depth 733 feet, cased to 733, slot perforations below water level, open bottom. Land-surface datum is 5,179.2 feet above msl datum of 1929 (preliminary). Water levels affected by barometric pressure. Recording gage installed July 20, 1951. Highest water level 670.7 below lsd, Dec. 10-13, 1951; lowest 673.0 below lsd, Aug. 14-15, 1951. Records available: 1950-51. Feb. 21, 670.8; Apr. 25, 671.4; May 22, 671.6; June 19, 671.6.

Daily noon water level from recorder graph

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	672.9	672.8	672.3	671.9	671.1
2	.....	672.9	672.8	672.2	.....	671.0
3	.....	672.9	672.8	672.2	.....	671.0
4	.....	672.9	672.8	672.2	.....	671.0
5	.....	672.9	672.7	672.3	.....	670.9
6	.....	672.9	672.8	672.4	671.7	670.9
7	.....	672.9	672.7	672.4	671.7	671.0
8	.....	672.9	672.7	672.4	671.6	671.0
9	.....	672.9	672.7	672.3	671.6	671.0
10	.....	672.9	672.5	672.2	671.5	670.7

3N 33E-3ab1--Continued.

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	672.9	672.6	672.1	671.4	670.7
12	.....	672.9	672.7	672.1	671.2	670.7
13	.....	672.9	672.7	672.1	671.4	e671
14	.....	673.0	672.7	672.1	671.3	e671
15	.....	673.0	672.7	672.0	671.5	e671
16	672.8	672.9	672.7	672.0	671.7	e671
17	.....	672.9	672.7	672.0	671.7	e671
18	.....	672.9	672.6	672.1	671.5	e671
19	.....	672.9	672.5	672.0	671.4	e671
20	672.7	672.9	672.6	671.8	671.2	e671
21	672.8	672.9	672.6	671.8	671.2	e671
22	672.8	672.9	672.5	671.8	671.2	e671
23	672.8	672.8	672.4	671.8	671.3	e671
24	672.8	672.8	672.4	671.8	671.2	e671
25	672.8	672.8	672.3	671.7	671.2	e671
26	672.8	672.8	672.4	671.8	671.2	e671
27	672.9	672.7	672.4	671.9	671.2	e671
28	672.9	672.7	672.3	671.8	671.2	e671
29	672.9	672.7	672.3	671.5	671.2	e671
30	672.9	672.8	672.3	671.7	671.2	e671
31	672.9	672.8		671.7		e671

e Estimated.

Blaine County

8S 26E-15bc1. Formerly 8S 26E-15bd1. James Hruza. Drilled stock water-table well in Snake River basalt, diameter 6 inches, reported depth 189 feet, cased to 16. Land-surface datum is 4,270.3 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Water level reflects regional storage. Highest water level 169.2 below lsd, Oct. 30, 1951; lowest 177.3 below lsd, Feb. 26, 1949. Records available: 1948-51. Feb. 14, 170.1; Apr. 4, 172.0; Oct. 30, 169.2.

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 and Aug. 9, 1950. Records available: 1943-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	39.1	Apr. 4	37.6	July 11	39.1	Oct. 3	40.0
10	39.1	11	38.3	18	40.6	10	39.9
17	38.8	18	38.1	25	40.8	17	39.5
19	39.9	25	39.0	Aug. 1	40.5	24	39.6
24	39.1	May 2	37.9	8	40.7	31	39.1
31	39.2	9	38.1	9	40.0	Nov. 7	39.4
Feb. 7	39.0	16	38.7	15	40.8	14	39.1
14	38.7	23	40.5	22	40.8	21	38.8
21	38.4	30	38.5	29	40.0	28	38.7
28	38.2	June 6	37.6	Sept. 5	39.6	Dec. 5	38.6
Mar. 7	38.1	13	39.1	12	39.7	12	38.6
14	37.9	20	38.9	19	40.3	19	38.4
21	38.0	27	39.7	26	40.1	26	38.6
28	37.6	July 4	39.8				

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, 1942-51.

3N 41E-6cb1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	48.6	Apr. 7	52.5	July 14	37.5	Oct. 13	38.7
13	49.5	14	51.8	21	36.4	20	39.4
20	50.3	21	51.5	28	36.1	27	39.5
27	50.7	28	51.4	Aug. 4	35.4	Nov. 3	41.7
Feb. 3	50.4	May 12	51.1	11	36.7	10	43.1
10	50.4	19	50.1	18	36.5	19	43.6
17	50.4	26	49.1	25	36.1	24	44.9
24	51.0	June 2	47.2	Sept. 1	36.9	Dec. 1	45.5
Mar. 3	51.3	9	46.1	8	37.3	8	47.3
10	51.8	16	44.9	15	37.0	15	48.3
17	52.0	23	41.4	29	37.0	22	49.0
24	51.8	30	40.2	Oct. 6	37.8	29	49.2
31	51.9	July 7	38.5				

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 38.24 below lsd, Oct. 18, 1951; lowest 41.35 below lsd, Mar. 8, 1951. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	40.70	Apr. 5	41.10	July 5	39.01	Oct. 4	38.43
11	40.80	12	41.17	12	39.03	11	38.33
18	40.82	20	41.07	19	39.02	18	38.24
25	41.02	27	41.08	26	38.82	25	38.60
Feb. 1	41.12	May 3	40.95	Aug. 2	38.54	Nov. 1	38.82
8	41.15	10	40.79	9	38.36	8	38.79
15	41.25	17	40.58	16	38.59	15	38.84
21	41.23	24	40.51	23	38.46	20	38.80
Mar. 2	41.23	31	39.80	30	38.29	29	38.90
8	41.35	June 7	39.71	Sept. 6	38.54	Dec. 7	39.03
15	41.31	14	39.66	13	38.60	12	39.00
22	41.29	21	39.48	21	38.60	21	39.08
29	41.24	28	39.05	27	38.52	28	39.02

Canyon County

3N 3W-25aa1. Charles Imberg. Drilled unused water-table well, diameter 6 inches, reported depth 145 feet. Land-surface datum is 2,661.8 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 5.96 below lsd, Aug. 9, 1951; lowest 12.5 below lsd, Feb. 23, 1942. Records available: 1933-51.
Mar. 8, 11.75; May 7, 9.80; July 13, 6.58; Aug. 9, 5.96; Nov. 23, 10.40; Dec. 20, 10.89.

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 16.65 below lsd, Sept. 20, 1951; lowest 28.8 below lsd, Nov. 18, 1929. Records available: 1921, 1925, 1928-51.

Mar. 8	a24.12	July 13	18.06	Sept. 20	16.65	Nov. 23	18.07
May 7	a24.13	Aug. 9	17.01	Oct. 19	16.91	Dec. 20	19.70
June 5	18.77						

a Pumping.

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 2,519.0 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 7.4 below lsd, Sept. 20, 1951; lowest 21.0 below lsd, Apr. 21, 1924. Records available: 1921, 1924-25, 1928, 1933-51.

Jan. 18	12.0	June 5	10.8	Sept. 20	7.4	Nov. 23	8.5
Mar. 8	12.8	July 13	9.6	Oct. 19	8.1	Dec. 20	11.00
May 7	12.7	Aug. 9	8.5				

2N 1W-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: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 20, 1948	50.48	Sept. 22, 1949	51.45	May 7, 1951	51.64	Sept. 20, 1951	50.92
Sept. 10	48.37	Jan. 24, 1950	55.74	June 5	51.96	Oct. 19	51.15
Mar. 1, 1949	57.04	Dec. 8	53.59	July 13	48.55	Nov. 23	52.59
May 24	52.32	Jan. 18, 1951	54.16	Aug. 9	48.77	Dec. 20	52.98
July 18	49.26	Mar. 8	54.57				

Cassia County

10S 23E-20dc1. City of Burley well 1. Dug unused water-table well in alluvial sand and gravel of Quaternary age, diameter 72 inches, reported depth 42 feet, concrete casing to 42. Highest water level 11.1 below lsd, Nov. 1, 1951; lowest 19.2 below lsd, June 4, 1951. Records available: 1947-51.

Jan. 2	13.5	Apr. 2	15.3	July 3	13.9	Oct. 1	11.6
Feb. 1	14.3	May 1	15.3	Aug. 22	13.8	Nov. 1	11.1
Mar. 1	14.6	June 4	19.2	Sept. 1	12.0	Dec. 1	12.8

10S 23E-20dc3. City of Burley well 5. Drilled public-supply artesian well in gravel of Pleistocene age and lava below the 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: 1947-51.

Jan. 2	189	Apr. 2	187	July 3	189	Oct. 1	189
Feb. 1	189	May 1	187	Aug. 22	189	Nov. 1	189
Mar. 1	186	June 4	190	Sept. 1	189	Dec. 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, 1948-51. Feb. 15, 156.4; Apr. 4, 157.5; Aug. 28, 154.2; Oct. 26, 154.2.

11S 26E-14ab1. G. S. Matthews. Drilled stock water-table well in sand and gravel of Pleistocene age, diameter 4 inches, depth 157 feet, cased to 140. Land-surface datum is 4,428.2 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 103.58 below lsd, Aug. 19, 1950; lowest 110.73 below lsd, Feb. 25, 1949. Records available: 1948-51. Feb. 15, 104.64; June 27, 104.96; Aug. 28, 104.85; Oct. 28, 104.86.

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 30.22 below lsd, Oct. 27, 1950 and Aug. 28, 1951; lowest 32.22 below lsd, Sept. 25, 1948. Records available: 1928, 1948-51. Feb. 15, 30.47; Apr. 4, 30.63; June 27, 30.29; Aug. 28, 30.22; Oct. 26, 30.35.

13S 22E-9dc1. Owner unknown. Dug unused water-table well in sand and gravel of Quaternary age, diameter 52 inches, 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: 1948-51. Feb. 15, 69.09; Apr. 4, 71.83; June 26, 67.64; Aug. 28, 63.10; Oct. 26, 64.67.

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: 1941-51. Feb. 15, 3.44; Apr. 4, 4.27; June 27, 2.86; Aug. 28, 4.96; Oct. 26, 5.77.

13S 27E-30bd1. A. D. Pierce. Dug irrigation water-table well in alluvial gravel of Quaternary age, diameter 72 inches, 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: 1947-51. Feb. 15, 3.94; Apr. 4, 4.59; June 27, 15.90, pumping; Aug. 28, 5.75; Oct. 26, 5.55.

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 16.70 below lsd, Mar. 21, June 19 and 24, 1950; lowest 21.60 below lsd, Sept. 10, 1948. Records available: 1948-51. Feb. 15, 18.46; Apr. 4, 18.26; June 6, 16.92; Aug. 28, 17.34; Oct. 26, 17.69.

15S 24E-26bc1. Owner unknown. 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: 1948-51. Feb. 15, 33.79; Apr. 4, 32.82; June 27, 27.65; Aug. 28, 32.36; Oct. 26, 35.25.

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: 1948-51. Feb. 15, 29.12; Apr. 4, 29.59; June 27, 13.57; Aug. 28, 17.67; Oct. 26, 25.66.

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. Records available: 1936, 1938-51. Feb. 15, 23.92; Apr. 4, 26.65; June 27, 13.63; Aug. 28, 10.41; Oct. 26, 14.98.

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. Dec. 20, 27.79.

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. Water-level measurements were erroneously reported 4.5 feet high in the 1950 annual water-level report. Highest water level 67.6 below lsd, Nov. 3, 1941; lowest 84.4 below lsd, May 23,1950. Records available: 1941-42, 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	73.5	Apr. 2	77.8	June 24	77.9	Sept. 24	74.3
8	74.0	9	78.2	July 9	78.0	Oct. 15	73.3
15	74.3	16	78.5	23	77.5	23	72.6
22	74.7	23	78.5	30	77.4	30	72.1
29	75.0	30	78.7	Aug. 6	77.0	Nov. 13	71.7
Feb. 5	75.3	May 14	79.0	21	76.4	20	72.4
12	75.7	21	78.6	27	75.9	27	73.0
26	76.2	28	78.6	Sept. 3	75.7	Dec. 4	73.5
Mar. 13	76.6	June 4	78.4	11	75.4	18	74.7
20	77.1	11	78.2	17	75.4	25	74.2
26	77.5						

Jefferson County

8N 36E-9db1. 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, 1949-51.

8N 36E-9db1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	49.77	Mar. 21	49.28	Sept. 18	50.70	Nov. 23	49.55
Feb. 21	49.18	Aug. 21	49.99	Oct. 16	49.66	Dec. 19	49.31

7N 33E-35bb1. Stewart Bros. Dug stock and domestic water-table well in sand of Tertiary age, diameter 30 inches, depth 47 feet, concrete casing to 40. Land-surface datum is about 4,784 feet above msl. Highest water level 21.41 below lsd, Aug. 22, 1950; lowest 36.14 below lsd, Feb. 12, 1950. Records available: 1949-51.

Jan. 3	26.26	Feb. 20	28.51	Apr. 10	29.29	July 17	22.88
9	26.60	27	28.05	18	29.34	Aug. 21	23.18
16	26.60	Mar. 7	28.38	24	29.46	Sept. 18	24.71
23	27.29	13	28.31	May 1	28.94	Oct. 16	25.16
30	27.42	20	28.57	22	28.43	Nov. 23	26.51
Feb. 6	27.88	27	28.80	June 19	25.45	Dec. 12	25.95
13	27.84	Apr. 3	29.75				

7N 35E-25bd1. Owsley Canal Co. Drilled observation water-table well in Snake River basalt, diameter 6 inches, depth 26 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, 1948-51.

Jan. 3	6.69	Feb. 20	6.00	Apr. 3	5.07	June 19	11.88
9	6.57	27	5.92	10	5.08	July 17	12.42
17	6.43	Mar. 7	5.46	18	4.67	Aug. 21	7.40
23	6.45	14	5.51	24	4.95	Sept. 18	6.83
30	6.50	21	5.31	May 1	4.86	Oct. 16	6.88
Feb. 6	6.25	27	5.95	22	6.34	Nov. 23	6.69
13	6.10						

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, 1949-51.

Jan. 24	12.72	Apr. 24	12.75	July 18	16.48	Oct. 16	12.84
Feb. 21	12.61	May 22	13.27	Aug. 21	15.63	Nov. 23	12.88
Mar. 21	12.64	June 19	18.09	Sept. 18	13.05	Dec. 19	12.70

7N 37E-14cb1. Hillman Bros. Drilled stock and domestic water-table well in Snake River basalt, diameter 6 inches, depth 93 feet. Land-surface datum is about 4,867 feet above msl. Highest water level 70.3 below lsd, June 30, 1922; lowest 75.91 below lsd, July 18, 1951. Records available: 1922, 1929, 1949-51.

Feb. 21	74.43	June 20	75.14	Sept. 18	75.37	Nov. 23	74.76
Apr. 24	74.58	July 18	75.91	Oct. 16	74.39	Dec. 19	74.42
May 22	73.55	Aug. 21	74.83				

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 197.24 below lsd, Nov. 14, 1950; lowest 201.17 below lsd, Feb. 13, 1951. Records available: 1949-51.

Jan. 3	197.35	Feb. 20	197.97	Apr. 10	198.32	July 17	197.83
9	197.95	27	197.43	18	197.60	Aug. 21	197.46
16	197.48	Mar. 13	199.19	24	197.68	Sept. 18	197.71
23	198.59	20	197.89	May 1	197.37	Oct. 16	197.25
30	197.86	27	197.69	22	198.05	Nov. 23	197.26
Feb. 6	198.73	Apr. 3	197.89	June 19	198.73	Dec. 12	197.57
13	201.17						

5N 34E-9bd1. U. S. Geol. Survey. Drilled observation water-table well in Snake River basalt, diameter 6 inches, depth 322 feet, cased to 322, perforations below water level, open bottom. Land-surface datum is 4,791.3 feet above msl datum of 1929 (preliminary). Water levels affected by barometric pressure. Highest water level 253.7 below lsd, Jan. 17, 1951; lowest 257.4 below lsd, Aug. 5-6, 14, 21, 25, 1951. Records available: 1950-51.

5N 34E-9bd1--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	254.0	254.2	254.1	254.8	255.3	256.2	256.7	257.3	257.2	256.5	256.1	255.0
2	254.0	254.2	254.0	254.8	255.4	256.3	256.8	257.3	257.2	256.4	256.0	255.1
3	254.0	254.1	254.1	254.8	255.5	256.2	256.8	257.3	257.2	256.5	255.9	255.0
4	254.0	254.0	254.0	254.7	255.5	256.1	256.8	257.3	257.2	256.6	255.8	254.9
5	254.1	253.9	254.0	254.8	255.5	256.2	256.8	257.4	257.1	256.6	255.9	254.9
6	254.3	254.1	254.1	254.9	255.5	256.2	256.9	257.4	257.2	256.7	255.9	255.1
7	254.3	254.1	254.2	255.0	255.6	256.2	256.9	257.3	257.2	256.7	255.7	255.3
8	254.1	254.2	254.3	255.0	.....	256.3	256.9	257.3	257.2	256.6	255.7	255.3
9	254.0	254.2	254.1	255.0	.....	256.3	256.9	257.3	257.2	256.6	255.7	255.3
10	254.0	254.1	254.3	255.2	.....	256.3	.....	257.3	256.9	256.5	255.5	255.1
11	253.9	254.0	254.7	255.2	.....	256.3	257.1	257.3	257.0	256.4	255.4	.....
12	254.0	254.0	254.7	255.1	.....	256.4	257.1	257.3	257.1	256.4	255.4	.....
13	254.1	254.3	254.5	255.0	.....	256.5	257.0	257.3	257.1	256.4	255.5	.....
14	254.1	254.3	.....	255.0	.....	256.5	257.1	257.4	257.1	256.4	255.3	.....
15	254.0	254.2	.....	255.0	255.8	256.4	257.1	257.3	257.2	256.2	255.5	.....
16	253.9	254.1	.....	255.1	255.8	256.4	257.1	257.3	257.1	256.2	255.7	.....
17	253.7	254.1	.....	255.0	255.7	256.5	257.2	257.3	257.0	256.2	255.6	.....
18	253.8	254.0	.....	255.0	255.7	256.5	257.1	.....	257.0	256.3	255.5	.....
19	253.8	254.2	.....	255.0	255.8	256.5	257.1	.....	256.8	256.1	255.3	254.7
20	254.1	254.1	.....	255.1	255.8	256.6	257.1	.....	257.0	256.0	255.2	254.8
21	254.1	254.1	.....	255.3	255.9	256.6	257.2	257.4	257.0	256.0	255.3	254.9
22	253.9	254.1	.....	255.3	255.9	256.6	257.2	257.3	256.8	256.1	255.4	254.8
23	254.0	254.1	.....	255.2	255.8	256.7	257.2	257.2	256.8	255.9	255.4	254.9
24	254.1	254.1	.....	255.2	255.9	256.6	257.2	257.3	256.8	255.9	255.3	254.8
25	254.1	254.1	.....	255.2	256.0	256.7	257.2	257.4	256.6	256.0	255.5	254.9
26	253.9	254.1	.....	255.3	256.0	256.7	257.3	257.2	256.7	256.1	255.4	255.0
27	253.8	254.0	.....	255.4	255.9	256.7	257.3	257.1	256.7	256.1	255.3	254.8
28	254.0	254.1	.....	255.3	256.0	256.7	257.3	257.1	256.6	256.0	255.2	254.6
29	254.1		.....	255.2	256.0	256.9	257.3	257.2	256.7	255.7	255.2	254.4
30	254.0		.....	255.2	256.0	256.8	257.3	257.3	256.6	255.9	255.2	254.4
31	254.1		.....		256.1		257.2	257.3		255.9		254.7

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 209.13 below lsd, July 5, 1950. Records available: 1929, 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	205.38	Feb. 14	205.93	Apr. 3	206.40	June 20	207.73
10	205.43	21	205.80	10	207.88	July 17	208.08
17	204.92	28	205.88	18	206.56	Oct. 16	205.15
24	205.67	Mar. 14	206.06	24	206.77	Nov. 24	206.20
31	206.10	21	206.12	May 1	206.80	Dec. 20	205.93
Feb. 7	205.59	28	206.49	22	208.06		

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 5.47 below lsd, Aug. 22, 1950; lowest 20.0 below lsd, Nov. 7, 1929. Records available: 1922, 1929, 1949-51.

Jan. 3	16.66	Feb. 21	18.47	Apr. 10	19.52	July 17	6.14
10	17.09	28	18.73	18	19.76	22	6.27
17	17.24	Mar. 14	18.96	24	19.64	Sept. 19	5.87
24	17.61	21	19.16	May 1	19.73	Oct. 16	7.94
31	17.89	28	19.18	22	19.77	Nov. 24	10.94
Feb. 7	17.98	Apr. 3	19.33	June 20	8.78	Dec. 20	13.16
14	18.46						

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 231.34 below lsd, May 23, 1951. Records available: 1949-51.

4N 37E-28bb1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	217.60	Feb. 14	224.39	Mar. 28	227.85	July 17	224.26
10	219.65	21	224.90	Apr. 3	228.32	22	218.89
24	222.15	Mar. 7	225.80	10	228.45	Sept. 19	216.14
31	222.65	14	226.61	May 23	231.34	Oct. 16	218.03
Feb. 7	223.65	21	227.26	June 20	228.69		

Jerome County

8S 19E-33ca1. U. S. Bureau of Reclamation. Drilled observation water-table well, diameter 12 inches, depth 403 feet (caved or bridged at 165 feet). Land-surface datum is about 3,946 feet above U. S. Bureau of Reclamation datum. Highest water level 158.6 below lsd, Oct. 22, 1948; lowest 170.1 below lsd, Dec. 22, 1949. Records available: 1946, 1948-51. Oct. 31, 158.70. Measurement discontinued.

9S 20E-1da1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 8 to 6 inches, depth 400 feet, 8-inch casing to 12, perforated 6-inch casing liner from 340 to 400. Land-surface datum is 4,209.3 feet above U. S. Bureau of Reclamation datum. Highest water level 344.6 below lsd, Oct. 1-4, 1951; lowest 350.3 below lsd, Apr. 3, 1951. Records available: 1950-51.

Feb. 14	349.0	June 11	349.3	Aug. 8	346.6	Oct. 30	345.1
Apr. 3	350.3	22	348.2	Sept. 5	345.4	Nov. 27	345.8
May 24	350.1	July 13	347.8	Oct. 2	344.6		

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 244.2 below lsd, Oct. 3, 1951; lowest 269.6 below lsd, Aug. 1, 1929. Records available: 1929, 1949-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	249.0	.....	250.6	.....	251.9	251.1	249.0	247.0	245.3	244.3	245.6	246.4
2	249.0	.....	250.7	.....	252.1	251.1	248.9	246.9	245.2	244.3	245.6	246.4
3	249.0	.....	250.5	252.0	252.1	251.0	248.9	246.9	245.2	244.2	245.7	246.5
4	249.2	.....	.....	251.9	252.0	250.8	248.8	246.8	245.2	244.3	245.7	246.4
5	249.4	.....	.....	251.9	252.1	250.7	248.8	246.7	245.1	244.5	245.8	246.3
6	.....	.....	.....	252.0	252.0	250.7	248.8	246.8	245.0	244.6	245.9	246.5
7	.....	.....	.....	252.1	252.0	250.7	248.8	246.7	245.0	244.7	245.9	246.8
8	.....	.....	.....	252.1	252.0	250.6	248.8	246.6	245.3	244.7	245.9	.....
9	.....	.....	.....	252.2	252.1	250.7	248.6	246.5	245.2	244.7	245.9	.....
10	.....	.....	.....	252.3	252.1	250.7	248.6	246.4	245.0	244.6	245.8	.....
11	.....	.....	.....	252.3	251.9	250.6	248.6	246.3	244.9	244.5	245.7	.....
12	.....	.....	.....	252.3	251.8	250.4	248.6	246.3	245.0	244.5	245.6	.....
13	.....	.....	.....	252.3	251.8	250.4	248.5	246.3	245.0	244.6	245.8	.....
14	.....	250.9	.....	252.2	251.8	250.5	248.4	246.3	245.0	244.7	245.8	.....
15	.....	250.7	.....	252.2	251.8	250.4	248.4	246.2	245.0	244.6	246.0	.....
16	.....	250.7	.....	252.2	251.8	250.3	248.3	246.1	245.0	244.6	246.2	.....
17	.....	250.7	.....	252.2	251.8	250.2	248.3	246.1	244.9	244.7	246.3	.....
18	.....	250.6	.....	252.1	251.8	250.1	248.2	246.0	244.8	244.9	246.3	.....
19	.....	250.8	.....	252.2	251.7	250.1	248.1	245.9	244.7	244.8	246.1	.....
20	.....	250.7	.....	252.2	251.6	250.0	248.0	245.8	244.6	244.7	246.0	.....
21	.....	250.6	.....	252.2	251.5	249.9	247.9	245.8	244.8	244.7	246.1	.....
22	.....	250.6	.....	252.3	251.5	249.8	247.9	245.7	244.6	244.8	246.2	.....
23	.....	250.5	.....	252.2	251.4	249.7	247.8	245.5	244.5	244.9	246.3	.....
24	.....	250.6	.....	252.2	251.5	250.0	247.7	245.6	244.5	244.9	246.3	.....
25	.....	250.6	.....	252.2	251.5	249.6	247.6	245.6	244.4	244.9	246.5	.....
26	.....	250.6	.....	252.1	251.4	249.5	247.5	245.4	244.4	245.1	246.5	.....
27	.....	250.7	.....	252.2	251.2	249.4	247.4	245.3	244.5	245.3	246.5	.....
28	.....	250.6	.....	252.0	251.2	249.3	247.4	245.1	244.4	245.3	246.5	.....
29	.....		.....	251.9	251.2	249.3	247.3	245.1	244.4	245.2	246.5	.....
30	.....		.....	251.8	251.1	249.2	247.3	245.2	244.4	245.3	246.5	.....
31	.....		.....		251.1		247.2	245.3		245.4		.....

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: 1929-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	451.2	Apr. 9	450.6	July 2	447.7	Oct. 1	449.6
8	451.4	11	450.5	9	447.7	15	450.0
15	451.3	16	450.3	16	447.6	22	450.2
22	451.5	23	450.1	23	447.6	29	450.4
29	451.5	30	448.8	30	447.7	Nov. 5	450.7
Feb. 5	451.6	May 7	449.5	Aug. 6	447.9	12	450.8
12	451.5	14	449.2	10	448.9	19	451.1
19	451.5	21	449.0	13	448.0	26	451.3
26	451.3	28	448.7	20	448.3	Dec. 3	451.5
Mar. 5	451.1	June 4	448.4	27	448.4	10	451.7
12	450.9	11	448.2	Sept. 3	448.7	17	451.9
19	450.9	18	448.0	17	449.1	24	452.1
26	450.7	25	447.8	24	449.4	31	452.2
Apr. 2	450.5						

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: 1948-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
1	350.0	350.1	348.3	348.1	346.6	346.2	346.1	346.5	347.3	348.3	349.5
2	350.0	350.1	348.3	348.1	346.6	346.2	346.1	346.5	347.3	348.4	349.5
3	350.1	350.1	348.3	348.1	346.6	346.2	346.1	346.5	347.3	348.4	349.5
4	350.1	350.1	348.2	348.1	346.6	346.1	346.1	346.5	347.4	348.4	349.5
5	350.1	350.1	348.2	348.1	346.5	346.1	346.1	346.6	347.4	348.5	349.6
6	350.1	350.1	348.2	348.1	346.5	346.1	346.2	346.6	347.4	348.5	349.6
7	350.1	350.1	348.2	348.0	346.5	346.1	346.2	346.6	347.5	348.6	349.6
8	350.1	350.1	348.2	348.0	346.5	346.1	346.2	346.6	347.5	348.6	349.7
9	350.1	350.1	348.2	347.9	346.5	346.1	346.2	346.6	347.5	348.6	349.7
10	350.1	349.9	348.2	347.8	346.5	346.1	346.2	346.6	347.6	348.6	349.7
11	350.1	349.9	348.2	347.7	346.5	346.1	346.2	346.7	347.6	348.7	349.8
12	350.1	349.8	348.2	347.7	346.5	346.1	346.2	346.7	347.6	348.7	349.8
13	350.1	349.8	348.2	347.6	346.5	346.1	346.2	346.7	347.7	348.8	349.9
14	350.1	349.7	348.2	347.5	346.4	346.1	346.2	346.8	347.7	348.8	349.9
15	350.0	349.7	348.2	347.5	346.4	346.1	346.2	346.8	347.7	348.8	349.9
16	350.0	349.7	348.2	347.4	346.4	346.1	346.2	346.8	347.8	348.9	350.0
17	350.0	349.6	348.2	347.3	346.4	346.1	346.2	346.8	347.8	348.9	350.0
18	350.0	349.3	348.2	347.2	346.4	346.1	346.2	346.9	347.9	349.0	350.0
19	350.0	349.3	348.2	347.2	346.4	346.1	346.2	346.9	347.9	349.0	350.1
20	350.0	349.2	348.2	347.1	346.4	346.1	346.2	346.9	347.9	349.0	350.2
21	350.0	349.0	348.2	347.0	346.3	346.1	346.3	347.0	348.0	349.0	350.2
22	350.0	348.9	348.2	347.0	346.3	346.1	346.3	347.0	348.0	349.1	350.3
23	350.0	348.8	348.1	346.9	346.3	346.1	346.3	347.0	348.0	349.1	350.3
24	350.0	348.7	348.1	346.9	346.3	346.1	346.3	347.0	348.1	349.1	.....
25	350.0	348.6	348.1	346.8	346.3	346.1	346.4	347.0	348.1	349.2	.....
26	350.0	348.5	348.1	346.8	346.2	346.1	346.4	347.1	348.1	349.2	.....
27	350.0	348.5	348.1	346.7	346.2	346.1	346.4	347.1	348.2	349.3	.....
28	350.0	348.4	348.1	346.7	346.2	346.1	346.4	347.1	348.2	349.3	.....
29	350.0		348.1	346.7	346.2	346.1	346.4	347.2	348.3	349.3	.....
30	350.1		348.1	346.6	346.2	346.1	346.4	347.2	348.3	349.4	.....
31	350.1		348.1		346.2		346.4	347.2		349.4	

53N 2W-3bc1. 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: 1943-51

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	220	Mar. 5	218	Apr. 30	218	June 25	216
15	220	12	219	May 7	218	July 2	219
22	219	19	219	14	218	9	220
29	220	26	220	21	213	Oct. 29	221
Feb. 5	220	Apr. 2	218	28	213	Nov. 5	221
12	221	9	219	June 4	213	12	221
15	219	12	219	11	214	19	221
19	218	16	219	18	213	23	221
26	218	23	218	20	211	26	221

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. Recording gage installed Apr. 10, 1951; removed Nov. 21, 1951. Highest water level 384.7 below lsd, June 26 - July 2, 1951; lowest 393.8 below lsd, Apr. 7, 1950. Records available: 1950-51. Feb. 15, 391.8; Nov. 23, 393.6.

Daily noon water level from recorder graph

Day	Apr.	May	June	July	Aug.	Sept.	Oct.
1	.....	390.5	385.3	384.7	387.5	391.2	393.0
2	.....	390.4	385.2	384.7	387.6	391.3	393.1
3	.....	390.3	385.0	384.8	387.8	391.4	393.1
4	.....	390.2	384.9	384.8	387.9	391.5	393.1
5	.....	390.2	384.9	384.9	388.0	391.6	393.1
6	.....	390.1	384.8	384.9	388.2	391.7	393.1
7	.....	390.0	384.8	385.0	388.3	391.8	393.2
8	.....	389.9	384.8	385.1	388.5	391.8	393.2
9	.....	389.8	384.8	385.1	388.6	391.9	393.2
10	391.9	389.7	384.8	385.2	388.7	392.0	.....
11	391.9	389.5	384.8	385.2	388.9	392.0	.....
12	391.8	389.4	384.8	385.3	389.0	392.1	.....
13	391.8	389.2	384.8	385.4	389.2	392.1	.....
14	391.8	389.0	384.8	385.4	389.3	392.2	.....
15	391.8	388.8	384.8	385.5	389.4	392.2	.....
16	391.8	388.6	384.8	385.6	389.5	392.3	.....
17	391.8	388.3	384.8	385.7	389.6	392.4	.....
18	391.6	388.1	384.8	385.8	389.8	392.4	.....
19	391.4	387.9	384.9	385.9	389.9	392.5	393.3
20	391.2	387.6	384.9	386.0	390.0	392.5	.....
21	391.2	387.4	384.9	386.1	390.1	392.6	.....
22	391.1	387.2	384.9	386.2	390.2	392.6	.....
23	391.0	387.0	384.8	386.3	390.4	392.7	.....
24	390.9	386.8	384.8	386.4	390.4	392.7	.....
25	390.9	386.6	384.8	386.5	390.5	392.8	.....
26	390.8	386.4	384.7	386.6	390.6	392.8	.....
27	390.7	386.2	384.7	386.8	390.8	392.9	.....
28	390.6	386.0	384.7	386.9	390.9	392.9	.....
29	390.6	385.9	384.7	387.1	391.0	393.0	.....
30	390.5	385.6	384.7	387.2	391.1	393.0	.....
31		385.5		387.4	391.2		.....

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 and Oct. 30, 1944. Records available: 1942-51.

53N 2W-9aa1--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	240.7	241.1	239.9	241.2	238.4	230.5	232.7	237.6	241.4	242.5	241.8	24?.1
2	240.6	241.2	239.9	241.2	238.3	230.5	232.8	237.8	241.5	242.5	241.8	242.1
3	240.5	241.3	240.0	241.2	238.2	230.5	233.0	237.9	241.5	242.5	241.8	242.0
4	240.4	241.3	240.0	241.2	238.0	230.7	233.2	238.1	241.6	242.5	241.9	242.0
5	240.4	241.4	240.0	241.2	237.8	231.0	233.4	238.3	241.7	242.4	241.9	242.0
6	240.3	241.4	240.0	241.1	237.7	231.3	233.6	238.5	241.7	242.3	241.9	242.0
7	240.3	241.5	240.1	240.0	237.5	231.6	233.7	238.7	241.8	242.3	242.0	242.0
8	240.3	241.5	240.1	240.9	237.4	231.9	233.8	238.8	241.8	242.2	242.0	242.0
9	240.2	241.5	240.2	240.8	237.1	232.1	233.8	239.0	241.8	242.1	242.1	242.0
10	240.2	241.4	240.3	240.8	236.8	232.1	233.8	239.1	241.8	242.1	242.1	242.0
11	240.2	241.3	240.3	240.6	236.5	232.5	234.0	239.2	241.8	242.1	242.1	242.0
12	240.1	241.1	240.4	240.5	236.1	232.7	234.1	239.4	241.9	242.0	242.1	242.0
13	240.1	240.8	240.5	240.4	235.7	232.8	234.2	239.5	241.9	242.0	242.1	242.1
14	240.0	240.6	240.5	240.2	235.2	232.9	234.4	239.6	241.9	242.1	242.2	242.1
15	240.0	240.5	240.6	240.1	234.7	233.0	234.6	239.7	242.0	242.1	242.2	242.1
16	240.0	240.3	240.7	240.0	234.2	233.0	234.8	239.8	242.0	242.1	242.2	242.1
17	240.0	240.2	240.7	239.8	233.8	233.0	234.9	239.9	242.1	242.0	242.2	242.2
18	240.1	240.1	240.7	239.7	233.4	232.9	235.1	240.0	242.1	242.0	242.2	242.2
19	240.2	240.1	240.8	239.5	233.1	232.7	235.2	240.2	242.2	241.9	242.2	242.2
20	240.3	240.0	240.8	239.4	232.8	232.5	235.4	240.3	242.2	241.9	242.3	242.2
21	240.3	240.0	240.9	239.2	232.6	232.4	235.6	240.4	242.2	241.9	242.3	242.2
22	240.4	239.9	240.9	239.1	232.3	232.2	235.8	240.5	242.3	241.9	242.3	242.2
23	240.5	239.9	241.0	239.0	232.1	232.1	235.9	240.7	242.3	241.8	242.2	242.2
24	240.6	239.9	241.0	238.9	231.9	232.2	236.0	240.8	242.3	241.8	242.3	242.3
25	240.7	239.9	241.0	238.8	231.7	232.2	236.2	240.9	242.4	241.8	242.2	242.3
26	240.7	239.9	241.1	238.7	231.5	232.3	236.4	241.0	242.4	241.8	242.2	242.4
27	240.8	239.9	241.1	238.7	231.2	232.4	236.6	241.0	242.5	241.8	242.2	242.4
28	240.8	239.9	241.1	238.6	231.0	232.4	236.9	241.1	242.5	241.7	242.2	242.4
29	240.9		241.2	238.6	230.8	232.5	237.1	241.2	242.5	241.7	242.1	242.4
30	241.0		241.2	238.5	230.7	232.5	237.3	241.3	242.5	241.7	242.1	242.4
31	241.0		241.2		230.6		237.5	241.4		241.7		242.4

52N 4W-35dc1. 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 301.3 below lsd, Mar. 19, 1949. Records available: 1948-51. Feb. 15, 296.2; Apr. 11, 293.3; Apr. 23, 293.0; June 20, 293.7; Aug. 15, 292.8; Oct. 18, 292.6; Nov. 23, 293.5.

51N 5W-21da1. Bob Bowen. Dug and drilled stock and domestic water-table well in fluvioglacial gravel of Pleistocene age, diameter 4 inches, depth 190 feet, cased to 190, open bottom. Land-surface datum is 2,159.5 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 154.1 below lsd, Aug. 15, 1951; lowest 175.5 below lsd, Nov. 27, 1941. Records available: 1941, 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	155.7	Apr. 24	155.4	Aug. 15	154.1	Oct. 18	156.4
Apr. 11	155.5	June 21	154.2	24	161.1	Nov. 20	157.0

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: 1948-51.

Feb. 17	140.7	Apr. 24	139.7	Aug. 15	138.7	Oct. 18	140.6
Apr. 11	140.1	June 21	138.8	24	142.1	Nov. 20	141.8

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

51N 5W-31bc1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	115.0	Apr. 24	113.9	Aug. 15	115.5	Oct. 18	117.3
Apr. 11	114.6	June 21	113.4	24	115.8	Nov. 21	119.6

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 60 inches, 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: 1928-51.

Feb. 17	138.5	Apr. 24	137.6	Aug. 15	137.5	Oct. 18	139.7
Apr. 11	138.2	June 21	136.9	24	137.7	Nov. 20	140.6

51N 4W-7bc1. Ralph Preuninger. Drilled unused water-table well in fluvioglacial gravel and sand of Pleistocene age, diameter 8 to 5 inches, depth 283 feet. Land-surface datum is 2,267.1 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Recording gage installed Apr. 23, 1951. Highest water level 251.6 below lsd, Aug. 16, 1951; lowest 272.4 below lsd, July 22, 1942. Records available: 1942, 1948-51. Feb. 16, 256.9; Apr. 23, 253.1.

Daily noon water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 20	252.6	July 14	252.3	Aug. 7	251.8	Nov. 29	254.3
21	252.6	15	252.2	8	251.8	30	254.3
22	252.6	16	252.2	9	251.8	Dec. 1	254.3
23	252.6	17	252.2	10	251.7	2	254.4
24	252.6	18	252.2	11	251.7	3	254.4
25	252.6	19	252.2	12	251.7	4	254.4
26	252.6	20	252.1	13	251.7	5	254.4
27	252.6	21	252.1	14	251.7	6	254.5
28	252.6	22	252.1	15	251.7	7	254.5
29	252.5	23	252.1	16	251.6	15	254.7
30	252.5	24	252.1	Oct. 19	253.0	16	254.7
July 1	252.5	25	252.0	20	253.0	17	254.7
2	252.5	26	251.9	21	253.0	18	254.7
3	252.5	27	251.9	22	253.0	19	254.9
4	252.5	28	251.9	23	253.0	20	254.9
5	252.5	29	251.9	24	253.0	21	254.9
6	252.5	30	251.9	25	253.1	22	254.9
7	252.5	31	251.9	26	253.1	23	254.9
8	252.4	Aug. 1	251.9	27	253.2	24	254.9
9	252.4	2	251.8	28	253.2	25	254.9
10	252.4	3	251.8	Nov. 23	254.2	26	254.9
11	252.4	4	251.8	24	254.2	27	254.9
12	252.3	5	251.8	25	254.2	28	255.0
13	252.3	6	251.8	26	254.2	29	255.0
				27	254.2	30	255.0
				28	254.3	31	255.0

51N 4W-10cc1. Kootenai County. Drilled unused water-table well in fluvioglacial gravel of Pleistocene age, diameter 4 inches, depth 305 feet. Land-surface datum is 2,288.0 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Recording gage installed Apr. 20, 1951; removed Nov. 21, 1951. Highest water level 269.2 below lsd, Aug. 31, 1950; lowest 291.5 below lsd, Nov. 5, 1941. Records available: 1941, 1948-51.

Daily noon water level from recorder graph

Feb. 15	271.3	July 30	270.2	Aug. 6	270.1	Aug. 13	270.0
Apr. 11	272.1	31	270.2	7	270.1	14	270.0
June 22	270.8	Aug. 1	270.2	8	270.0	15	270.0
July 26	270.2	2	270.2	9	270.0	16	269.9
27	270.3	3	270.2	10	270.0	Oct. 18	271.0
28	270.3	4	270.2	11	270.0	Nov. 21	272.8
29	270.2	5	270.1	12	270.0		

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. Recording gage installed Apr. 24, 1951. Highest water level 244.8 below lsd, Sept. 1, 1950; lowest dry at 278 below lsd, Nov. 28, 1941. Records available: 1941, 1948-51.

Daily noon water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 16	249.0	May 14	246.9	June 26	246.6	Nov. 3	247.6
Apr. 11	247.7	15	247.0	July 26	245.9	4	247.6
24	247.2	26	246.9	27	245.9	5	247.6
25	247.2	27	246.9	28	245.9	6	247.7
26	247.2	28	246.8	Aug. 16	245.6	7	247.7
27	247.2	29	246.8	Oct. 18	246.9	8	247.7
28	247.2	30	246.8	19	246.9	9	247.8
29	247.1	31	246.8	20	247.0	10	247.8
30	247.1	June 1	246.8	21	247.0	11	247.8
May 1	247.1	2	246.8	22	247.1	12	247.9
2	247.1	3	246.8	23	247.1	13	247.9
3	247.1	4	246.8	24	247.2	14	248.0
4	247.0	15	246.8	25	247.2	15	248.0
5	247.0	16	246.8	26	247.3	16	248.0
6	247.0	17	246.8	27	247.3	17	248.0
7	247.0	18	246.7	28	247.3	18	248.1
8	247.0	19	246.7	29	247.3	19	248.1
9	247.0	22	246.6	30	247.3	20	248.2
10	247.0	23	246.6	31	247.4	21	248.2
11	247.0	24	246.6	Nov. 1	247.5	22	248.2
12	247.0	25	246.6	2	247.5	23	248.3
13	246.9						

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, 1948-51. Feb. 16, 250.7; Apr. 11, 249.8; June 20, 255.7; Aug. 15, 248.4; Oct. 18, 248.9; Nov. 20, 250.0.

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: 1929-51.

Feb. 16	b181.7	Apr. 11	b181.4	Aug. 15	176.7	Oct. 18	b179.4
Apr. 2	b181.1	June 21	b180.1	24	176.8	Nov. 20	b180.8

b 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 74.90 below lsd, Aug. 25, 1951. Records available: 1937-40, 1947-51. Feb. 14, 67.55; Apr. 10, 67.40; June 18, 71.33; Aug. 25, 74.90; Oct. 20, 72.60; Nov. 19, 72.72.

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, 1947-51. Feb. 19, 8.86; Apr. 10, 8.22; June 18, 11.73; Aug. 14, 13.55; Oct. 20, 14.44; Nov. 19, 13.39.

Minidoka County

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 177.9 below lsd, Dec. 11, 18, 20, 1949; lowest 185.6 below lsd, June 29, 1951. Records available: 1948-51.

8S 23E 27bd1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14	179.0	June 29	185.6	Oct. 23	177.9	Oct. 31	178.0
Apr. 3	179.1	Aug. 31	185.0	30	178.0	Nov. 29	177.6

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 166.1 below lsd, Apr. 3, 1951; lowest 168.9 below lsd, May 3, 1948. Records available: 1948-51. Feb. 14, 168.1; Apr. 3, 166.1; Oct. 30, 167.1; Nov. 9, 167.1; Nov. 29, 167.2.

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 162.7 below lsd, Sept. 25, 1948; lowest 164.8 below lsd, Apr. 22, 1949. Records available: 1948-51.

Feb. 14	164.3	June 29	164.4	Oct. 23	163.1	Nov. 8	163.3
Apr. 3	164.4	Aug. 31	163.7	30	163.2	29	163.1

8S 25E-16da1. 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 149.6 below lsd, Oct. 30, 1951; lowest 150.9 below lsd, Feb. 14 and Apr. 4, 1951. Records available: 1949-51. Aug. 11,1949, 150.3; Sept. 29, 1949, 150.0; Oct. 28, 1949, 150.3; Dec. 22, 1949, 150.8; Feb. 14, 1951, 150.9; Apr. 4, 1951, 150.9; Oct. 30, 149.6.

9S 22E-16ca1. Howard W. Moffat. Drilled irrigation water-table well in Snake River basalt, diameter 21 inches, reported depth 333 feet, cased to 70. Land-surface datum is 4,255.3 feet above U. S. Bureau of Reclamation datum. Highest water level 239.9 below lsd, Dec. 21, 1949; lowest 241.9 below lsd, Aug. 10, 1949. Records available: 1948-51. Feb. 14, 240.3; Apr. 3, 240.3; June 29, 241.4; Aug. 31, 245.0, pumping; Oct. 30, 240.1.

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 223.2 below lsd, Dec. 18, 1951; lowest 225.7 below lsd, Sept. 7, 1950. Records available: 1947, 1950-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	223.6	224.0	223.7	224.1	224.4	224.7	224.9	225.1	224.9	224.5	224.3	223.7
2	223.5	223.9	223.9	224.1	224.3	224.7	224.9	225.1	224.8	224.4	224.2	223.8
3	223.3	224.1	223.8	224.1	224.4	224.7	224.9	225.0	224.8	224.3	224.3	223.5
4	223.5	223.9	223.8	224.1	224.4	224.7	225.0	225.0	224.7	224.3	224.3	223.5
5	223.4	223.9	224.1	224.0	224.5	225.3	224.9	225.1	224.9	224.3	224.2	223.6
6	223.3	223.9	223.9	224.1	224.5	225.1	225.0	225.1	224.7	224.3	224.1	223.6
7	223.5	224.0	224.2	224.1	224.4	225.1	224.9	225.0	224.7	224.3	224.2	223.8
8	223.7	223.9	224.0	224.0	224.4	225.2	224.9	225.0	224.6	224.3	224.2	223.8
9	223.6	224.0	224.1	224.1	224.4	.....	224.9	225.3	224.6	224.2	224.0	223.8
10	223.6	224.1	224.1	223.9	224.4	.....	225.0	225.2	224.6	224.3	224.1	223.8
11	223.5	224.1	224.3	224.0	224.5	224.6	225.0	225.2	224.6	224.2	224.1	223.8
12	223.7	224.0	224.2	224.0	224.5	224.8	225.0	225.1	224.6	224.2	223.9	223.7
13	223.7	224.0	224.1	224.0	224.4	224.9	225.0	225.0	224.6	224.2	224.0	223.6
14	223.7	224.1	224.1	224.0	224.5	224.9	225.0	225.0	224.5	224.3	223.9	223.7
15	223.6	223.8	224.0	224.0	224.5	224.9	225.0	225.0	224.4	224.2	224.0	223.6
16	223.7	224.2	224.1	224.1	224.4	224.9	225.0	225.1	224.5	224.4	224.1	223.6
17	223.7	224.0	224.1	223.9	224.4	224.9	225.2	225.0	224.5	224.3	224.0	223.6
18	223.8	224.1	224.2	223.9	224.4	224.8	225.2	225.0	224.4	224.2	224.0	223.2
19	223.9	224.0	224.2	223.9	224.5	224.8	225.3	225.1	224.5	224.2	223.9	223.5
20	224.0	223.9	224.2	224.0	224.5	224.8	225.2	225.0	224.4	224.3	223.8	223.4
21	223.8	223.9	224.1	223.9	224.6	224.9	225.2	225.0	224.4	224.3	223.9	223.5
22	224.0	223.8	224.3	224.1	224.6	224.8	225.1	225.1	224.5	224.3	223.7	223.6
23	223.8	223.9	224.2	224.1	244.6	224.9	225.1	225.0	224.5	224.4	223.7	223.4
24	224.0	223.8	224.1	224.1	224.6	225.0	225.1	225.1	224.5	224.3	223.8	223.5
25	224.0	223.8	224.0	224.2	224.6	225.0	225.2	224.9	224.4	224.3	223.8	223.5

9S 22E-33ab1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	224.0	223.8	224.0	224.1	224.7	225.0	225.1	224.9	224.4	224.2	223.7	223.5
27	224.0	223.8	223.9	224.2	224.7	225.0	225.1	224.9	224.4	224.2	223.8	223.5
28	223.8	223.7	224.0	224.3	224.7	224.9	225.1	224.9	224.4	224.2	223.8	.....
29	223.8		224.1	224.4	224.8	225.0	225.2	224.8	224.5	224.3	223.7	.....
30	223.9		224.1	224.4	224.9	224.9	225.2	224.8	224.5	224.2	223.8	.....
31	224.0		224.0		224.8		225.1	224.8		224.2		.....

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: 1947-51. Feb. 14, 69.05; June 29, 61.53; Aug. 31, 57.17; Oct. 30, 62.55.

Oneida County

11S 35E-30cb1. Russell Daniels. Drilled unused low-pressure artesian well in alluvial sand, diameter 8 inches, depth 204 feet. Highest water level 25.91 below lsd, May 4, 1948; lowest 28.09 below lsd, Sept. 27, 1949. Records available: 1947-51. Sept. 13, 27.97.

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 31.06 below lsd, May 4, 1948; lowest 45.11 below lsd, Sept. 13, 1951. Records available: 1947-51. Sept. 13, 45.11.

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 293.8 below lsd, July 2, 1948; lowest 302.3 below lsd, Sept. 13, 1951. Records available: 1946-51. Sept. 13, 302.3.

13S 35E-36cc1. Dave Deschamps. Drilled unused water-table well in sediments of Pleistocene age, diameter 4 inches, depth 131 feet. Highest water level 81.6 below lsd, Apr. 9, 1947; lowest 83.08 below lsd, July 2, 1948. Records available: 1946-51. Sept. 13, 82.08.

14S 34E-31da1. Roy Davis. Drilled unused water-table well in rocks of Paleozoic age, diameter 4 inches, depth 399 feet. Highest water level 380.4 below lsd, July 2, 1948; lowest 389.4 below lsd, Sept. 14, 1951. Records available: 1947-51. Sept. 14, 389.4.

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, 1943-51. Feb. 28, 119.5; Apr. 25, 118.4; Sept. 13, 119.2.

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 66.66 below lsd, May 4, 1948; lowest 76.34 below lsd, Oct. 21, 1944. Records available: 1943-51. Feb. 28, 72.58; Apr. 25, 70.67; Sept. 13, 114.82, pumping.

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 60.05 below lsd, Oct. 25, 1948. Records available: 1943-51. Feb. 28, 56.60; Apr. 25, 54.63.

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: 1943-51. Feb. 28, +23.55; Apr. 25, +21.35; Sept. 13, +12.50.

14S 35E-36bc1. Smith & Illum. Drilled irrigation 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: 1943-51. Apr. 25, 17.20; Sept. 13, 21.96.

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, 1943-51. Mar. 1, 72.46; Apr. 26, 72.44; Sept. 14, 74.22.

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 23.18 below lsd, July 20, 1943; lowest 33.40 below lsd, Sept. 7, 1950. Records available: 1931, 1943-51. Feb. 28, 25.76; Apr. 26, 24.45; Sept. 13, 25.58.

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: 1943-51. Feb. 28, +6.4; Apr. 26, +7.1; Sept. 13, +4.1.

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 3.7 above lsd, Apr. 2, 1947, Feb. 28, 1951; lowest 1.31 below lsd, Sept. 27, 1949. Records available: 1931-32, 1943-51. Feb. 28, +3.7; Apr. 26, +3.3; Sept. 13, +1.8.

15S 34E-6ab1. Joe Thorpe. Dug stock and domestic water-table well in bottomland alluvium, depth 85 feet. Highest water level 14.19 below lsd, May 4, 1948; lowest 49.18 below lsd, Nov. 7, 1949. Records available: 1947-51. Sept. 14, 48.65.

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, 1947-51. Feb. 28, +28.3; Apr. 25, +30.3; Sept. 13, +21.4.

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: 1943-51. Feb. 28, +22.2; Apr. 25, +22.3; Sept. 13, +14.7.

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 25.6 above lsd, Feb. 28, 1951; lowest 13.0 above lsd, May 5, 1948. Records available: 1931-32, 1943-51. Feb. 28, +25.6; Apr. 25, +25.2; Sept. 13, +13.8.

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: 1943-51. Feb. 28, +9.8; Apr. 25, +10.1; Sept. 13, +1.9.

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 6.7 above lsd, Sept. 13, 1951; lowest 1.9 above lsd, May 3, 1944. Records available: 1943-51. Feb. 28, +6.3; Apr. 25, +6.6; Sept. 13, +6.7.

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, 1947-51. Feb. 28, +17.0; Apr. 26, +13.7; Sept. 13, +12.6.

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: 1943-51. Feb. 28, +17.0; Apr. 26, +16.2; Sept. 13, +9.2.

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; lowest 8.0 above lsd, Sept. 7, 1950. Records available: 1943-51. Feb. 28, +18.5; Apr. 25, +17.2; Sept. 13, +11.4.

15S 36E-8aa1. Edward Vaughn. Drilled unused artesian well, diameter 4 inches, depth 138 feet. Flowing prior to measurement. Highest water level 22.1 above lsd, Feb. 28, 1951; lowest 11.8 above lsd, June 29, 1943. Records available: 1953-51. Feb. 28, +22.1, Apr. 26, +15.1; Sept. 13, +15.8.

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 23.3 above lsd, Oct. 24, 1950; lowest 13.0 above lsd, July 15, 1943. Records available: 1943, 1948-51. Feb. 28, +21.5.

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 12.9 above lsd, May 3, 1944, Mar. 1, 1945; lowest 3.2 above lsd, Sept. 7, 1950. Records available: 1943-51. Feb. 28, +11.3; Apr. 25, +12.1; Sept. 13, +11.3.

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: 1943-51. Feb. 28, +14.1; Apr. 25, +14.2; Sept. 13, +11.2.

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 12.9 above lsd, Apr. 25, 1951; lowest 9.0 above lsd, Sept. 7, 1950. Records available: 1943-51. Feb. 28, +11.2; Apr. 25, +12.9; Sept. 13, +10.3.

Payette County

7N 5W-3da1. Sim Watkins. Dug stock and domestic water-table well in alluvial sand and gravel, diameter 48 inches, 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, Apr. 27, May 3, 1949. Records available: 1941-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	37.7	Apr. 2	41.4	July 2	38.6	Oct. 1	33.6
8	37.9	9	41.5	9	38.2	8	33.7
16	38.3	17	41.8	16	38.0	15	33.7
22	38.6	23	42.1	23	37.1	22	33.5
29	39.0	30	42.2	30	36.8	29	34.8
Feb. 5	39.3	May 7	42.1	Aug. 7	35.7	Nov. 5	35.6
12	39.5	14	41.6	13	35.2	20	36.2
19	39.9	21	41.1	20	34.6	26	37.1
26	39.6	29	40.6	28	34.0	Dec. 3	37.1
Mar. 5	40.4	June 4	40.2	Sept. 3	33.8	10	37.5
12	40.6	11	39.6	10	33.8	17	37.7
19	40.9	18	39.4	17	33.7	24	38.2
27	41.2	25	38.1	24	33.6	31	38.5

MONTANA

By Frank A. Swenson

Scope of Water-Level Program

The observation-well program in Montana was continued in 1951 in connection with ground-water studies being made as part of the Missouri Basin program. Measurements made in 24 wells are included in this report. Their locations are shown on figure 17.

Interpretation of Water-Level Fluctuations

In the part of Montana west of the Continental Divide, water levels were generally normal during 1951 with the exception of the well at Pablo (Lake County) which reached the highest level in the period of record. In north-central Montana, water levels were higher than in 1950, but were approximately normal for the period of record. The water level in the deeper test hole in Hill County continued the steady rise that it has shown since it was established in 1947, and at the end of 1951 reached the highest level recorded. Water levels were about normal during the year in wells in northeastern, east-central, and central Montana including the upper Missouri section of the State. In southwestern Montana, water levels were about normal, with the exception of the well in Jefferson County, which attained the highest level during the period of record. In south-central and southeastern Montana water levels were about normal during 1951 and did not indicate any noticeable trends.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first digit of a well number indicates the township, the second the range; the third the section in which the well is situated. Thus, the number A-1-10-27adc indicates that the well is in the SW¼SE¼NE¼ sec. 27, T. 1 N., R. 10 E. The first lower-case letter denotes the quarter section (160-acre tract), the second the quarter-quarter section (40-acre tract), and the third the quarter-quarter-quarter section (10-acre tract). The letters are assigned in a counterclockwise direction, beginning in the northeast quarter. When there is more than one well in the smallest tract, numbers are added as suffixes. 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 Montana Principal Meridian and Base Line system.

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 48 inches, depth 31 feet. Highest water level 6.06 below lsd, Aug. 29, 1949; lowest 28.90 below lsd, Feb. 26, 1951. Records available: 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	28.15	Apr. 24	28.39	June 29	6.97	Oct. 3	12.85
Feb. 26	28.90	May 18	26.89	July 26	9.93	Dec. 19	25.15
Apr. 12	28.38	June 9	12.95	Sept. 1	9.06		

Big Horn County

D-2-34-25db. Bureau of Indian Affairs. Drilled unused well, diameter 18 inches, depth 13 feet, sheet iron casing. Highest water level 3.51 below lsd, Sept. 5, 1950; lowest 11.27 below lsd, Mar. 10, 1948. Records available: 1947-51. July 9, 4.69; Aug. 22, 4.30; Sept. 19, 6.10.

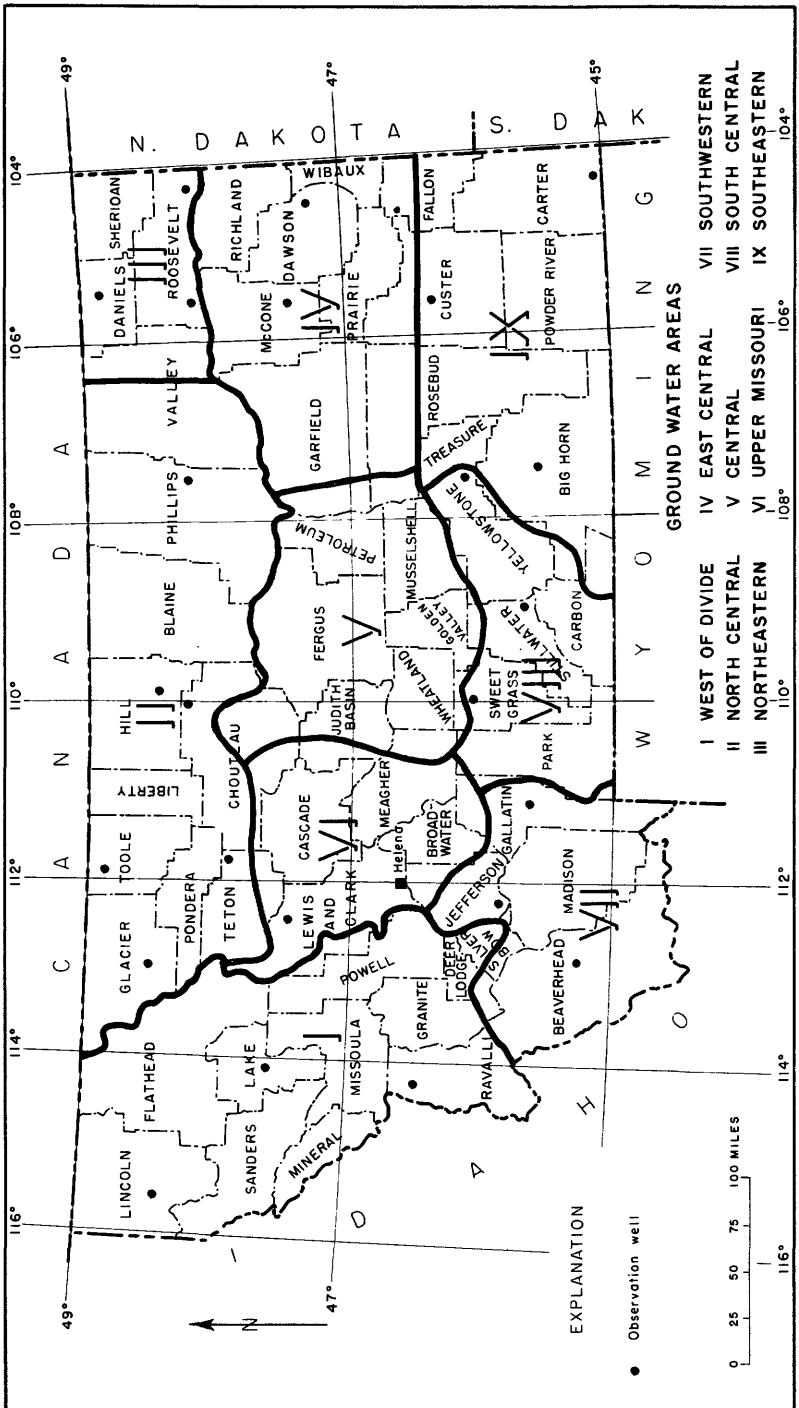


Figure 17.--Location of observation wells in Montana, 1951.

Carter County

D-9-60-19cc. Alzada Gospel Church. Drilled unused well, diameter 6 inches, depth 26 feet, steel casing. Highest water level 18.48 below lsd, Sept. 20, 1950; lowest 21.33 below lsd Oct. 14, 1948. Records available: 1947-51. Jan. 17, 19.81; Oct. 6, 19.10; Dec 5, 19.04.

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 16.96 below lsd, Feb. 8, 1950. Records available: 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	16.86	Apr. 10	16.80	June 10	16.86	Sept. 11	16.92
Feb. 14	16.84	May 23	16.83	23	16.88	25	16.84
Mar. 21	16.91	29	16.88	Aug. 13	16.93	Dec. 13	16 86

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 38.29 below lsd, Aug. 10, 1949; lowest 43.10 below lsd, June 6, 1947. Records available: 1947-50.

Jan. 17	40.41	May 24	41.65	July 25	39.77	Oct. 19	40.00
Feb. 23	40.77	June 27	40.84	Sept. 12	39.48	Nov. 20	40.29
Apr. 23	41.50						

Daniels County

A-35-47-12cd. State of Montana. Dug unused well, diameter 48 inches, depth 31 feet, wood and stone cribbing. Highest water level 13.91 below lsd, June 23, 1950; lowest 15.66 below lsd, Feb. 21, 1948. Records available: 1947-51. June 6, 13.92; Aug. 15, 14.43; Sept. 13, 14.06.

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 24.27 below lsd, May 27, 1949; lowest 25.01 below lsd, Jan. 23, Feb. 25, Oct. 18, 1948. Records available: 1947-51.

Jan. 15	24.79	May 31	24.73	Aug. 13	24.87	Oct. 2	24.89
Mar. 16	24.85	July 24	24.82	Sept. 20	24.91	Dec. 11	24.94

Gallatin County

D-2-4-13cc. Formerly D-2-4-14dd. Owner unknown. Dug unused well in irrigated alluvial deposits, diameter 12 inches, depth 10 feet, tile casing. Highest water level 2.80 below lsd, June 21, 1947; lowest 8.48 below lsd, Feb. 14, 1950 and Mar. 1, 1951. Records available: 1947-51.

Jan. 5	7.67	May 26	5.74	July 11	3.98	Sept. 3	3.12
Feb. 2	8.20	30	5.99	31	3.47	Oct. 1	5.98
Mar. 1	8.48	June 12	6.00	Aug. 1	3.66	Nov. 1	6.38
28	7.06	July 6	4.62	29	3.77	Dec. 4	7.35
May 2	7.04						

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 below lsd, Mar. 19, 1951; lowest 2.32 below lsd, Jan. 14, 1948. Records available: 1947-51.

Feb. 14	1.61	May 24	1.55	Sept. 6	1.23	Nov. 5	0.72
Mar. 19	.00	July 5	.84	13	1.57	6	.65
May 3	.26	Aug. 15	1.94	Oct. 1	.94	Dec. 12	1.42

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 feet. Highest water level 42.87 below lsd, Aug. 13, 1951; lowest 52.56 below lsd, June 18, 1947. Records available: 1947-51.

Jan. 16	43.49	Apr. 4	43.56	June 10	42.98	Sept. 11	42.91
Feb. 13	43.43	10	43.15	23	42.93	Nov. 6	43.29
Mar. 21	43.33	May 23	43.03	Aug. 13	42.87	Dec. 13	42.64

Jefferson County

B-1-4-8cd. Joe Merrick. Drilled unused well, diameter 4 inches, depth 9 feet, steel casing. Highest water level 2.73 below lsd, Aug. 28, 1951; lowest 6.00 below lsd, June 23, 1947. Records available: 1947-51. Jan. 8, 4.40; Feb. 13, 4.53; Mar. 12, 4.44; Apr. 11, 4.47; May 10, 4.44; June 26, 3.87; Aug. 28, 2.73.

Lake County

B-21-20-2dc. Owner unknown. Dug domestic well, diameter 24 inches, depth 35 feet, tile casing. Highest water level 23.63 below lsd, Aug. 6, 1951; lowest 29.31 below lsd, June 10, 1950. Records available: 1947-51. Jan. 18, 25.85; Feb. 28, 26.55; Apr. 1, 27.20; May 2, 27.80; Aug. 6, 23.63.

Lewis and Clark County

B-20-6-8da. Owner unknown. Dug unused well, diameter 24 inches, depth 13 feet, masonry cribbing. Highest water level 7.42 below lsd, June 23, 1948; lowest 11.49 below lsd, Jan. 15, 1948. Records available: 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	10.92	Apr. 24	10.63	July 13	8.60	Nov. 8	10.48
Mar. 1	10.70	May 22	9.91	Oct. 1	10.10	Dec. 11	10.80
29	10.51	June 20	8.78	11	10.18		

Lincoln County

B-31-31-32db. Owner unknown. Dug unused well, diameter 48 inches, depth 15 feet, masonry cribbing. Highest water level 5.02 below lsd, June 2, 1948; lowest 12.39 below lsd, Jan. 22, 1950. Records available: 1947-51.

Jan. 14	9.26	Apr. 24	8.06	Aug. 9	9.83	Oct. 17	9.39
Feb. 14	7.34	June 12	8.47	Sept. 20	10.46	Nov. 30	9.85
Mar. 16	9.15	July 2	8.26				

McCone County

A-19-48-10db. Eldridge. Drilled domestic well, diameter 12 inches, 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: 1947-51. Feb. 1, 29.23; May 31, 28.82; July 24, 29.52; Aug. 14, 29.36; Oct. 4, 29.23; Dec. 12, 28.42.

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 6.88 below lsd, Feb. 25, 1950. Records available: 1947-51. Apr. 24, 5.74; May 29, 5.70; July 20, 3.97; Aug. 16, 3.74; Sept. 18, 3.71.

Ravalli County

B-7-20-18ab. Owner unknown. Dug unused well, diameter 30 inches, depth 18 feet, wood stave casing. Highest water level 3.49 below lsd, June 29, 1950; lowest 12.58 below lsd, Mar. 4, 1949. Records available: 1947-51. Feb. 24, 10.50; Mar. 31, 10.25; Apr. 30, 5.05; Aug. 24, 8.04; Oct. 8, 8.10; Nov. 21, 9.08.

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: 1946-51. Jan. 17, 19.05; Apr. 3, 19.20; May 1, 18.92; July 24, 18.73; Aug. 22, 18.74; Sept. 20, 17.80; Dec. 10, 18.75.

A-28-57-28dd. Abandoned school. Drilled unused well in Fort Union formation, diameter 5 inches, depth 29 feet, steel casing. Highest water level 24.35 below lsd, Mar. 17, 1949; lowest 27.52 below lsd, Apr. 25, 1946. Records available: 1946-51. Jan. 17, 24.94; Apr. 11, 25.57; June 6, 24.58; July 23, 24.72; Sept. 20, 24.99; Oct. 25, 25.13; Dec. 10, 25.15.

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: 1947-51.

D-2-23-29ba--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	9.81	Mar. 28	11.40	June 6	10.62	Sept. 25	5.72
Feb. 20	10.49	29	11.43	July 18	7.89	Oct. 25	6.72
Mar. 2	10.75	May 9	12.18	Aug. 27	5.73	Dec. 1	7.97

Sweet Grass County

A-4-14-14ba. Spike VanCleave. Dug unused well in valley fill, diameter 30 inches, depth 16 feet, cribbed with stone. Highest water level 4.73 below lsd, June 11, 1947; lowest 14.53 below lsd, Feb. 27, 1951. Records available: 1947-51. Measurement discontinued after Aug. 6, 1951.

Jan. 11	14.28	Mar. 27	14.41	May 3	11.01	June 27	5.97
Feb. 27	14.53	Apr. 5	14.34	29	6.41	Aug. 6	10.40

Teton County

B-25-1-15ab. Don Meech. Dug domestic and stock well in alluvium, diameter 96 inches, depth 23 feet, concrete casing. Highest water level 12.21 below lsd, Aug. 16, 1948; lowest 16.02 below lsd, Nov. 19, 1949. Records available: 1947-51.

Jan. 7	14.49	Mar. 12	13.76	June 4	13.85	Sept. 11	14.33
Feb. 2	14.98	Apr. 5	13.43	July 11	12.93	Nov. 8	14.27
12	14.08	30	13.47	Aug. 9	14.08	Dec. 2	14.25
Mar. 2	13.75						

Toole County

B-36-2-8cc. Cloyd Hannon. Dug domestic and stock well, diameter 52 inches, depth 17 feet, wood cribbing. Highest water level 2.46 below lsd, July 11, 1951; lowest 10.50 below lsd, Feb. 13, 1950. Records available: 1947-51.

Jan. 8	7.88	Apr. 30	3.65	Aug. 9	4.23	Nov. 11	5.24
Feb. 6	8.01	June 4	4.11	Sept. 11	4.59	Dec. 2	6.00
Mar. 12	8.00	July 11	2.46	Oct. 9	5.09		

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 7.51 below lsd, Aug. 10, 1949; lowest 11.83 below lsd, May 16, 1949. Records available: 1947-51.

Jan. 18	10.60	May 25	8.94	July 27	8.30	Oct. 10	8.42
Feb. 23	10.60	July 2	8.01	Sept. 10	8.74	Nov. 12	9.08
Apr. 24	11.18						

OREGON

By F. A. Watkins, Jr.

Scope of Water-Level Program

The observation-well program in Oregon was continued in 1951 in cooperation with the State Engineer. Measurements of water levels or artesian pressures were made in 96 wells. Six nonrecording gages were in operation during the year. The Walla Walla Basin report titled "Preliminary Report on the Ground-water Resources of the Walla Walla River Basin, Washington-Oregon" was released to the open file. For observation wells in Oregon see figs. 18-20.

Precipitation

Precipitation ranged from 74 percent of normal at Baker to 160 percent at The Dalles. Precipitation for the State as a whole was above the normal amount, being on the average about 120 percent of the 50-year average on the 16 stations for which it was computed. Most of the excess rainfall occurred during the fall and winter months from October 1950 to March 1951, while the spring and summer rainfall was generally deficient. Above-normal snowfall contributed to above-normal winter precipitation. Ground-water levels generally were higher than average during the spring months. In some places ground-water levels were the highest on record.

Interpretation of Water-Level Fluctuations

September-end water levels in the Willamette Valley subprovince during 1951 were slightly above those of 1950. The water levels during the spring of the year were generally high. The fall water levels were, in most places, at normal level, but several wells were at record low stages apparently because of deficient rainfall during the summer months. In the Deschutes River subprovince, well 14/15-15Q1 in the Prineville area outside of the area of heavy withdrawals from the artesian aquifer, was 3 feet higher in October 1951 than in October 1950. Well 14/16-32N1 in the area of heavy pumpage at Prineville had a water level 6.95 feet lower in September 1951 than in November 1950. Well 14/16-19H1, drawing its water from the shallower unconfined water zone, was 3.74 feet higher in September 1951 than it was in November 1950. Well 1N/13-23D1, in The Dalles area, in an area of heavy pumpage recovered somewhat from its extreme low of May 1950. The water level of March 1951 was 21 feet above the level of May 1950. In water-table well 2N/12-25R1 a rise of 1.23 feet in March 1951 over May 1950 is shown. Well 1N/13-32H1, which taps an artesian aquifer, was 0.42 foot higher in August 1951 than in July 1950. In the Summer Lake subprovince there was a rise in ground-water levels of about 0.7 foot on the average. This indicates a rise in ground-water storage over the whole area. In seven wells in the Fort Rock area, September measurements showed that the 1951 measurements were on the average 0.76 foot higher. For three wells in the Silver Lake area, comparisons between September 1951 and November 1950 levels showed the 1951 measurements 1.39 feet higher than those of November 1950. In the Chewaucan River valley the September 1951 water levels averaged 0.68 foot higher than those of November 1950. Water level in one well in Swan Lake Valley was 0.85 foot lower in September 1951 than in September 1950. Year-end water levels in the Owyhee subprovince were generally lower in 1951 than in 1950. In four wells in the northern part of the subprovince the water levels were on the average 0.87 foot lower in 1951 than in 1950. In the southern part of the subprovince an average of water levels from four wells indicate that the 1951 water levels were 0.04 foot below those of 1950. In the Burns area of the Harney Basin subprovince the 1951 September-end water level in well 23/31-33E1 was 0.4 foot below that of 1950, while the yearly high water level which occurred in April was 0.88 foot above the 1950 high which occurred in June. Precipitation for the year was slightly above normal, but most of it fell during the period October 1950 to April 1951, while the rest of the water year had very little rainfall. In the Warner Valley area of the Harney Basin subprovince, year-end water levels were on the average 0.27 foot higher in 1951 than in 1950. The September-end water levels in the Walla Walla subprovince were on the average 0.69 foot lower in 1951 than in 1950. This indicates a small decline in ground-water storage. In well 6N/35-36H1 the highest level of the year occurred in June and was 3.42 feet below the high of 1949, which also occurred in June. Observation wells in the Grande Ronde subprovince are in both the Powder River and Grande Ronde River valleys. In the Baker area, Powder River valley, comparable September-end measurements were taken at wells 8/39-22G1 and 8/40-19D1. These measurements indicate a net rise of less than 0.1 foot in September 1951 over September 1950. The yearly high in

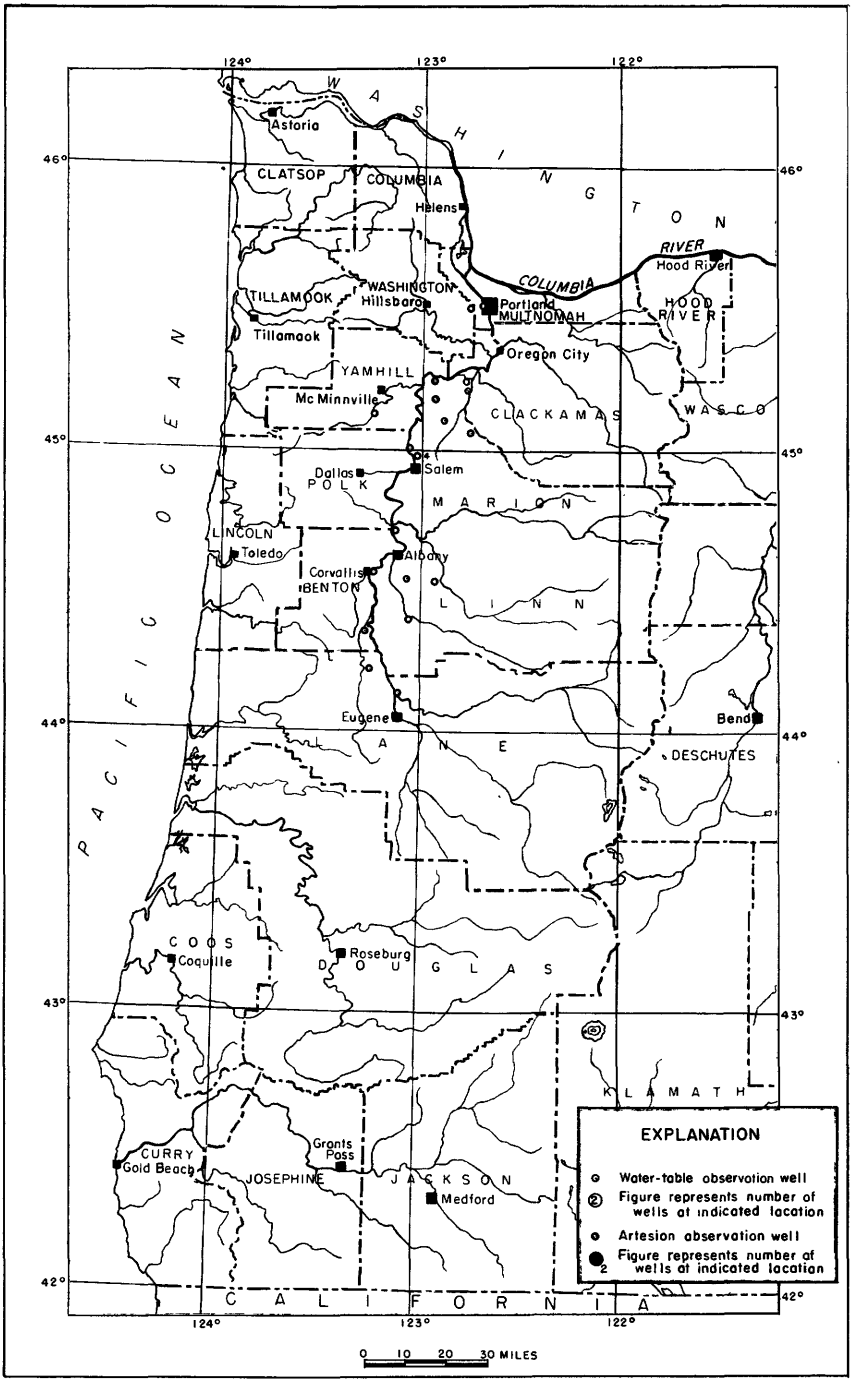


Figure 18. --Location of observation wells in western Oregon, 1951.

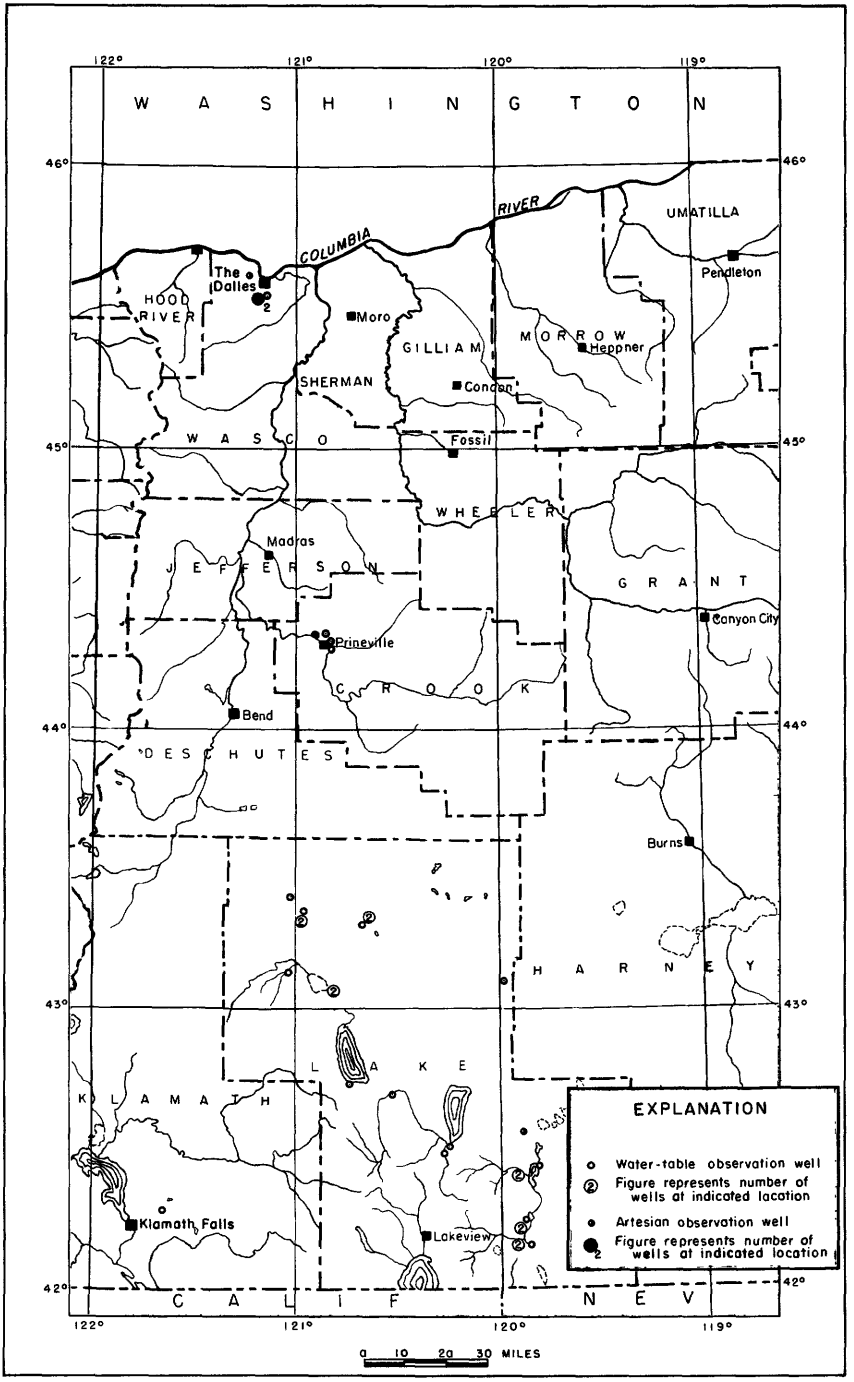


Figure 19. --Location of observation wells in central Oregon, 1951.

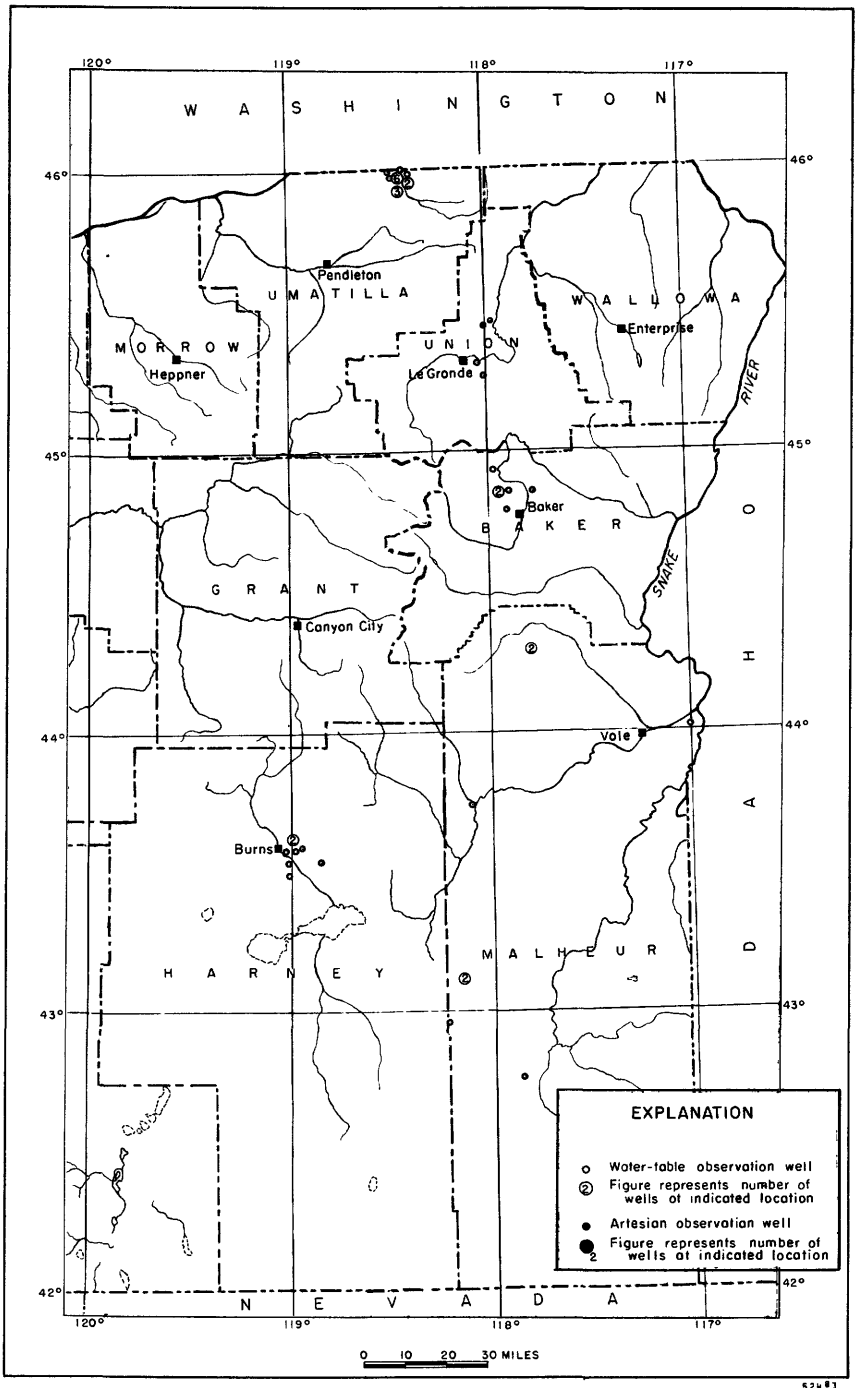
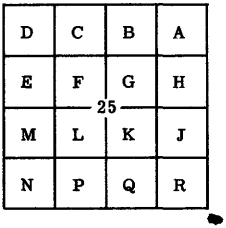


Figure 20.--Location of observation wells in eastern Oregon, 1951.

well 8/39-22G1 occurred on March 18 and was 0.08 foot lower than the 1950 high which occurred on February 26. In the Grande Ronde Valley, September-end measurements on well 3/38-10B1 were 0.19 foot lower in 1951 than they were in 1950. The yearly high occurred on March 17 and was 0.04 foot higher than the high of 1950 which occurred on February 11. The net change in ground-water storage over that of 1950 was very slight. Precipitation in the Baker area was about 74 percent of normal in 1951 as compared to 76 percent in 1950. In the Grande Ronde Valley precipitation was lower in 1951, 82 percent, as against 116 percent in 1950. This had only a small effect on ground-water storage because the excess precipitation in 1950 fell during the period when ground-water levels were near maximum and was dissipated as stream runoff with little of it going into ground-water storage.

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 subdivision of the section, as shown in the accompanying diagram; and the final digit indicates



the serial number of the well within that 40-acre tract. Locations in Oregon are referred to the Willamette base line and meridian. If no letter appears after the township number, 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 3.3 to 7.3. Land-surface datum is 3,373.8 feet above msl. Highest water level 1.94 below lsd, Mar. 23, 1939; lowest 7.02 below lsd, Oct. 9, 1945. Records available: 1936, 1938-51. Mar. 17, 3.47; Aug. 13, 6.04.

8/39-22F1. Baker County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 11 feet, cribbed with wood to 9 feet, perforated 12-inch steel casing, 6.6 to 10.6. 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, 1938-51. Mar. 17, 3.08; Aug. 13, 4.75; Dec. 30, 3.65.

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 1.98 below lsd, Feb. 25, 1950; lowest 4.90 below lsd, Sept. 10, 1950. Records available: 1949-51.

Daily water level from nonrecording gage

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.45	3.46	2.90	2.88	3.55	3.66	3.95	4.26	4.34	4.23	3.65	3.20
2	3.45	3.43	2.95	2.90	3.56	3.66	3.85	4.28	4.32	4.21	3.65	3.16
3	3.44	3.35	2.97	2.95	3.54	3.68	3.80	4.30	4.32	4.19	3.64	3.14
4	3.43	3.30	2.90	3.00	3.54	3.68	3.75	4.30	4.32	4.18	3.64	3.12
5	3.43	3.30	2.85	3.04	3.55	3.66	3.73	4.30	4.33	4.17	3.64	3.08

8/39-22G1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	3.43	3.28	2.98	3.08	3.55	3.62	3.75	4.30	4.33	4.16	3.62	3.03
7	3.42	3.26	3.00	3.10	3.54	3.68	3.74	4.31	4.34	4.15	3.60	3.03
8	3.47	3.25	3.08	3.18	3.50	3.56	3.79	4.32	4.35	4.14	3.59	3.02
9	3.50	3.22	3.10	3.20	3.45	3.56	3.82	4.33	4.35	4.10	3.57	3.03
10	3.53	3.20	3.13	3.24	3.44	3.57	3.85	4.34	4.37	3.08	3.56	3.04
11	3.56	2.90	3.15	3.28	3.44	3.60	3.87	4.35	4.38	4.06	3.55	3.07
12	3.59	2.50	3.10	3.32	3.32	3.60	3.90	4.36	4.38	4.04	3.53	3.12
13	3.57	2.20	3.05	3.35	3.22	3.60	3.95	4.36	4.38	4.00	3.52	3.15
14	3.57	2.22	2.88	3.40	3.20	3.62	4.00	4.37	4.37	3.98	3.49	3.17
15	3.56	2.28	2.62	3.43	3.17	3.65	4.08	4.37	4.37	3.93	3.48	3.19
16	3.55	2.33	2.45	3.45	3.17	3.71	4.09	4.38	4.36	3.90	3.47	3.20
17	3.50	2.48	2.25	3.48	3.20	3.75	4.09	4.39	4.36	3.88	3.46	3.21
18	3.49	2.53	1.95	3.50	3.24	3.77	4.09	4.40	4.36	3.86	3.49	3.23
19	3.48	2.58	2.25	3.52	3.28	3.79	4.08	4.43	4.35	3.83	3.47	3.24
20	3.47	2.60	2.53	3.53	3.32	3.79	4.05	4.44	4.35	3.80	3.46	3.23
21	3.47	2.65	2.43	3.54	3.38	3.79	4.05	4.44	4.35	3.78	3.45	3.21
22	3.46	2.65	2.55	3.56	3.42	3.80	4.05	4.44	4.34	3.75	3.43	3.21
23	3.46	2.66	2.66	3.57	3.46	3.80	4.07	4.44	4.34	3.72	3.41	3.21
24	3.45	2.66	2.66	3.58	3.48	3.82	4.08	4.42	4.34	3.70	3.38	3.20
25	3.45	2.72	2.72	3.60	3.51	3.85	4.09	4.44	4.33	3.70	3.33	3.20
26	3.44	2.80	2.78	3.60	3.52	3.90	4.10	4.45	4.32	3.71	3.32	3.20
27	3.44	2.85	2.81	3.63	3.56	3.96	4.10	4.44	4.30	3.71	3.31	3.19
28	3.44	2.88	2.88	3.60	3.58	3.98	4.15	4.43	4.28	3.69	3.30	3.19
29	3.43		2.91	3.58	3.59	4.00	4.20	4.40	4.27	3.67	3.25	3.18
30	3.42		2.95		3.60	4.20	4.23	4.39	4.25	3.66	3.22	3.18
31	....		2.85		3.62		4.25	4.38		3.65		3.16

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 2.5 to 6.5. 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, 1938-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	5.20	Mar. 19	2.85	June 19	3.12	Sept. 6	5.89
12	5.13	26	2.46	27	4.05	14	6.00
17	5.10	Apr. 6	2.94	July 3	4.15	18	6.08
23	5.06	14	2.73	9	4.25	26	6.10
Feb. 2	5.00	19	2.64	16	3.73	Oct. 3	6.21
9	4.90	24	2.55	23	3.89	15	6.24
14	3.84	May 2	2.50	Aug. 5	4.91	24	6.19
23	3.60	10	2.53	13	5.33	Nov. 2	6.13
27	3.41	18	2.55	15	5.45	9	6.05
Mar. 7	3.20	24	2.59	21	5.65	16	6.00
13	3.05	June 6	2.90	27	5.80	29	5.84
17	2.25	11	3.06				

8/40-23A1. Baker County. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 8 feet, screen 6 - 8. Land-surface datum is 3,347.28 feet above msl. Highest water level 2.51 below lsd, Mar. 17, 1951; lowest 5.90 below lsd, Dec. 8, 1939. Records available: 1936, 1938-47, 1949-51. Mar. 17, 2.51; Aug. 13, 4.68; Dec. 29, 3.82.

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, 1950. Records available: 1949-51. Mar. 17, 10.65; Aug. 13, 8.42; Dec. 30, 11.47.

Benton County

14/5W-10R1. Chris Lindseth. Driven unused water-table well in alluvium, diameter 1¼ inches, depth 19 feet. Land-surface datum is 267.49 feet above msl. Highest water level 0.21 above lsd, Feb. 26, 1936; lowest 16.23 below lsd, Sept. 27, 1945. Records available: 1929-30, 1935-36, 1938-51. Mar. 27, 9.54; June 8, 13.55; Sept. 14, 14.52; Dec. 22, 8.68.

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 72.5 above lsd, Dec. 1, 1951; lowest 46.5 above lsd, July 23, 1946. Records available: 1944-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 11, 1950	+65.5	Jan. 21, 1951	+62.5	May 29, 1951	+69.5	Sept. 25, 1951	+61.5
Nov. 13	62.5	Feb. 4	63.5	June 4	67.5	28	62.5
19	68.5	19	64.5	25	62.5	Oct. 8	68.5
28	59.5	26	64.0	July 8	62.5	17	67.5
Dec. 3	61.5	Mar. 6	64.5	30	64.5	22	64.5
12	60.0	11	65.5	Aug. 25	68.5	Nov. 6	69.5
19	59.5	24	65.0	31	68.5	18	70.5
Jan. 2, 1951	63.5	Apr. 25	67.5	Sept. 4	66.5	Dec. 1	72.5
8	61.5	May 7	70.5	9	64.5	27	69.5
15	62.5	21	64.5				

14/16-19H1. Floyd Bailey. Formerly Leslie Clauson. Drilled domestic water-table well in sandy material of Pleistocene age, diameter 6 inches, depth 47 feet. Land-surface datum is about 2,970 feet above msl. Highest water level 2.74 below lsd, Aug. 26, 1949; lowest 17.51 below lsd, Mar. 19, 1948. Records available: 1944, 1947-51. Mar. 24, 16.16; Sept. 4, 3.55.

14/16-32N1. E. E. Wagoner. Dunham and 6th 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: 1944-51. Mar. 24, 10.67; Sept. 4, 16.47.

15/16-5D1. Pacific Power & Light Co. Court Ave. and 4th 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 5.69 below lsd, Mar. 24, 1951; lowest 7.47 below lsd, Sept. 4, 1951. Records available: 1943, 1947-51. Mar. 24, 5.69; Sept. 4, 7.47.

Harney County

22/31-34N1. Frank Whiting. 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: 1936-51. Mar. 19, 9.83; Aug. 14, 10.61; Dec. 27, 10.95.

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, 1946. Records available: 1936, 1938-51. Mar. 19, 4.40; Aug. 14, 6.67; Dec. 27, 7.97.

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 4.08 below lsd, Mar. 28, 1941; lowest 13.20 below lsd, Jan. 15, 1936. Records available: 1936, 1938-51. Mar. 19, 6.89; Aug. 14, 8.92; Dec. 27, 9.85.

23/31-16E1. Harney County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 14 feet, cribbed with wood to 11, perforated 12-inch steel casing 10-14. Land-surface datum is 4,146.30 feet above msl. Highest water level 3.44 below lsd, June 15, 1941; lowest 9.10 below lsd, Jan. 15, 1936. Records available: 1936, 1938-51. Mar. 19, 5.66; Aug. 14, 6.94; Dec. 27, 7.54.

23/31-33E1. Harney County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 13 feet, cribbed with wood to 10, perforated steel casing 9-13. Land-surface datum is 4,134.02 feet above msl. Highest water level 0.90 below lsd, June 8, 1947; lowest 7.90 below lsd, Feb. 12, 1950. Records available: 1936, 1938-51.

23/31-33E1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	5.93	Apr. 8	1.90	July 8	3.19	Oct. 7	7.13
14	5.86	15	1.67	15	3.85	14	7.20
21	5.81	22	1.45	22	4.59	21	7.25
28	5.65	28	1.12	28	4.88	28	7.31
Feb. 4	5.60	May 6	1.44	Aug. 5	5.41	Nov. 4	7.34
11	4.04	13	1.13	12	5.75	11	7.35
18	3.73	20	1.28	14	5.79	18	7.36
25	3.71	27	1.44	19	6.03	25	7.37
26	3.69	28	1.45	26	6.27	28	7.33
Mar. 4	3.81	June 3	1.46	28	6.33	Dec. 2	7.24
11	3.92	10	1.34	Sept. 2	6.52	9	7.15
18	2.93	17	2.15	9	6.64	16	7.11
19	2.76	24	2.36	16	6.79	23	7.10
25	2.40	28	2.54	23	6.93	27	7.10
28	2.25	July 1	3.02	28	7.01	28	7.09
Apr. 4	2.00						

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 1.40 below lsd, May 27, 1938; lowest 9.30 below lsd, Mar. 2, 1931. Records available: 1929-51. Mar. 19, 5.39; Aug. 14, 2.71; Dec. 27, 7.09.

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 3.48 below lsd, May 25, 1943; lowest 38.37 below lsd, July 30, 1931. Records available: 1928-51. Mar. 19, 4.75; Aug. 14, 14.36; Dec. 27, 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 15½-19. Land-surface datum is 4,130.77 feet above msl. Highest water level 10.08 below lsd, Aug. 14, 1951; lowest 14.41 below lsd, May 17, 1940. Records available: 1936, 1938-51. Mar. 19, 10.33; Aug. 14, 10.08; Dec. 27, 10.26.

24/31-28E1. Harney County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 17 feet, cribbed with wood to 15, perforated 12-inch steel casing 13-17. Land-surface datum is 4,124.44 feet above msl. Highest water level 6.93 below lsd, June 11, 1945; lowest 13.06 below lsd, Sept. 8, 1936. Records available: 1936, 1938-51. Mar. 19, 7.88; Aug. 14, 8.17; Dec. 27, 9.32.

Klamath County

38/10-9N2. Frank S. Riley. Drilled unused irrigation well in lava rock, diameter 12 inches, depth 208 feet, cased to 60. Land-surface datum is about 4,190 feet above msl. Highest water level 63.45 below lsd, July 19, 1949; lowest 67.10 below lsd, Apr. 27, 1951. Records available: 1949-51. Measurement discontinued.

Jan. 5	64.19	Mar. 23	64.75	June 8	65.70	Aug. 24	64.70
12	64.29	Apr. 4	66.94	15	65.60	31	64.60
19	64.39	6	66.60	22	65.40	Sept. 7	64.50
26	64.49	13	66.70	29	65.48	14	64.30
Feb. 2	64.49	20	66.90	July 6	65.30	21	64.40
9	64.59	27	67.10	13	65.30	28	64.40
16	64.59	May 4	64.4	20	65.20	Oct. 5	64.42
23	64.66	11	64.80	27	65.10	12	64.44
Mar. 2	64.70	18	65.20	Aug. 3	64.90	19	64.46
9	64.71	25	66.40	10	64.70	26	64.48
16	64.73	June 1	66.00	17	64.70		

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, 1938-51. Mar. 23, 48.98; Sept. 5, 47.80; Dec. 18, 48.07.

26/15-22B2. U. S. Soil Conservation Service. Drilled unused well in lacustrine sediments, diameter 12 inches, depth 83 feet. Land-surface datum is about 4,313 feet above msl. Highest water level 25.40 below lsd, Dec. 21, 1940; lowest 28.07 below lsd, Feb. 18, 1950. Records available: 1940-41, 1948-51. Mar. 23, 27.31; Sept. 5, 26.17; Dec. 18, 26.00.

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, 1938-51. Mar. 23, 41.10; Sept. 5, 40.54; Dec. 18, 40.40.

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, 1938-51. Mar. 23, 42.49; Sept. 5, 41.94; Dec. 18, 41.85.

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, 1946-51. Mar. 23, 27.91; Sept. 5, 27.50; Dec. 18, 27.23.

27/18-6E2. Roy Moorehouse. Formerly W. D. Collins. 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 25.16 below lsd, Dec. 18, 1951. Records available: 1940-51. Mar. 23, 25.07; Sept. 5, 25.11; Dec. 18, 25.16.

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 25.69 below lsd, May 23, 1943; lowest 34.96 below lsd, July 4, 1949. Records available: 1938-51. Mar. 23, 26.32; Sept. 5, 26.06; Dec. 18, 26.04.

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 7.05 below lsd, July 12, 1950; lowest 15.97 below lsd, Feb. 17, 1950. Records available: 1949-51. Mar. 23, 13.04; Sept. 7, 9.06; Dec. 18, 13.27.

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 8.71 below lsd, Dec. 18, 1951; lowest 10.01 below lsd, Feb. 17, 1950. Records available: 1949-51. Mar. 23, 9.42; Sept. 7, 8.89; Dec. 18, 8.71.

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 9.38 below lsd, Dec. 18, 1951; lowest 14.00 below lsd, July 12, 1950. Records available: 1949-51. Mar. 23, 13.56; Sept. 7, 13.55; Dec. 18, 9.38.

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. Records available: 1945, 1947-51. Mar. 21, 19.04; Sept. 5, 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 19.65 below lsd, Aug. 26, 1949; lowest 25.95 below lsd, Feb. 17, 1950. Records available: 1948-51. Mar. 23, 25.80; Sept. 7, 22.84; Dec. 18, 24.72.

33/18-24L4. Ranney Estate. Drilled unused water-table well in gravel, diameter 6 inches, depth 57 feet. Land-surface datum is about 4,369 feet above msl. Highest water level 38.70 below lsd, July 12, 1950; lowest 41.58 below lsd, Mar. 22, 1951. Records available: 1949-51. Mar. 22, 41.58; Sept. 7, 39.00. Measurement discontinued.

35/21-21P1. Del Overton. Drilled domestic and stock water well, diameter 3 inches. Land-surface datum is about 4,280 feet above msl. Highest water level 19.92 below lsd, Oct. 4, 1948; lowest 21.85 below lsd, Mar. 22, 1951. Records available: 1948, 1950-51. Mar. 22, 21.85; Sept. 7, 20.89; Dec. 18, 20.90.

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 7.79 below lsd, Mar. 21, 1951; lowest 8.77 below lsd, July 9, 1950. Records available: 1949-51. Mar. 21, 7.79; Sept. 5, 8.11.

36/21-6B1. S. V. Carroll. Formerly C. W. E. Jennings. 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 12.64 below lsd, Dec. 18, 1951; lowest 17.21 below lsd, Aug. 27, 1938. Records available: 1938-51. Mar. 22, 12.94; Sept. 7, 12.77; Dec. 18, 12.64.

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 18.88 below lsd, July 9, 1950; lowest 25.98 below lsd, Feb. 13, 1950. Records available: 1948-51. Mar. 21, 22.46; Sept. 5, 23.15.

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 11.40 below lsd, July 9, 1950; lowest 19.75 below lsd, Oct. 29, 1940. Records available: 1940, 1948-51. Mar. 21, 14.11; Sept. 5, 15.27.

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 2.07 below lsd, July 9, 1950; lowest 3.47 below lsd, Feb. 13, 1950. Records available: 1948-51. Mar. 21, 2.14; Sept. 5, 3.16.

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 0.06 below lsd, Mar. 21, 1951; lowest 0.64 below lsd, Nov. 13, 1949. Records available: 1948-51. Mar. 21, 0.06; Sept. 5, 0.39.

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: 1948-51. Mar. 21, 18.39; Sept. 5, 14.38.

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: 1948-51. Mar. 21, 15.88; Sept. 5, 12.60.

39/24-33K2. Measurement discontinued.

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 1.97 below lsd, July 9, 1950; lowest 6.21 below lsd, Nov. 13, 1949. Records available: 1948-51. Sept. 5, 5.49.

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 3.50 below lsd, Feb. 22, 1936; lowest 11.18 below lsd, Sept. 29, 1951. Records available: 1928-30, 1935-36, 1938-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3	5.11	Apr. 28	7.45	July 21	9.91	Oct. 13	10.81
10	5.21	May 5	7.81	28	10.11	20	10.67
17	5.26	12	7.96	Aug. 4	10.24	27	10.54
24	5.31	19	8.23	11	10.43	Nov. 3	10.36
Mar. 3	5.64	26	8.42	18	10.84	10	9.78
10	5.85	June 2	8.48	25	10.93	17	9.34
17	5.91	8	8.48	Sept. 1	11.11	24	9.12
24	6.20	9	8.72	8	11.14	30	8.62
27	5.96	16	8.94	14	11.18	Dec. 8	8.21
31	6.37	23	9.12	15	11.16	15	7.72
Apr. 7	6.76	30	9.25	22	11.17	22	6.82
14	6.98	July 7	9.50	29	11.18	28	6.31
21	7.24	14	9.75	Oct. 6	10.92		

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, 1938-51. Mar. 27, 8.86; June 8, 10.77; Sept. 14, 11.99; Dec. 22, 9.03.

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 24.08 below lsd, Sept. 14, 1951. Records available: 1928-30, 1935-36, 1938-51. Mar. 27, 17.85; June 8, 20.30; Sept. 14, 24.08; Dec. 22, 17.53.

11/5W-36Q1. E. L. Beach. Drilled unused water-table well in alluvium, diameter 8 inches, depth 42 feet. Land-surface datum is 218.27 feet above msl. Highest water level 7.78 below lsd, Dec. 21, 1929; lowest 26.03 below lsd, Aug. 19, 1935. Records available: 1928-30, 1935-36, 1938-51. Mar. 27, 15.77; Dec. 22, 16.02.

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 4.35 below lsd, Dec. 10, 1948; lowest 11.22 below lsd, Oct. 27, 1942. Records available: 1941-51. Mar. 27, 6.68; June 8, 8.57; Sept. 14, 9.96; Dec. 22, 6.52.

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, 1938-51. Mar. 27, 3.93; Dec. 22, 2.52.

13/3W-34N1. Keeney School, District 51. Driven unused water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 12 feet, screen 10 - 12. Land-surface datum is 285.0 feet above msl. Highest water level 0.67 below lsd, Jan. 10, 1936; lowest 9.43 below lsd, Dec. 6, 1938. Records available: 1928-30, 1935-36, 1938-46, 1950-51. Mar. 27, 2.64; June 8, 5.26; Dec. 22, 2.57.

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 20.77 below lsd, Aug. 14, 1951. Records available: 1950-51. Mar. 18, 18.28; Aug. 14, 20.77; Dec. 29, 19.06.

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: 1950-51. Mar. 18, 31.06; Aug. 14, 38.29; Dec. 29, 34.44.

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 7.03 below lsd, Aug. 14, 1951; lowest 10.96 below lsd, Mar. 18, 1951. Records available: 1950-51. Mar. 18, 10.96; Aug. 14, 7.03; Dec. 29, 10.35.

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 3.26 below lsd, Oct. 16, 1950; lowest 11.14 below lsd, Feb. 12, 1950. Records available: 1945-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 19	10.21	May 31	7.21	July 18	a7.21	Sept. 4	a7.24
28	10.00	June 10	6.26	28	a7.50	12	a7.24
Apr. 6	9.23	18	5.21	Aug. 8	a7.24	18	a7.21
14	9.21	28	5.23	14	5.96	25	a7.23
24	8.21	July 2	a7.21	15	a7.21	Oct. 1	a7.24
May 2	8.23	3	5.27	28	a7.21	Dec. 29	8.46
10	8.00	10	a7.23				

a Pumping.

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 8.78 below lsd, Aug. 15, 1951; lowest 14.14 below lsd, Oct. 28, 1950. Records available: 1950-51. Aug. 15, 8.78; Dec. 28, 8.00.

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 57.36 below lsd, Oct. 28, 1950; lowest 57.73 below lsd, Aug. 15, 1951. Records available: 1950-51. Aug. 15, 57.73; Dec. 28, 57.09.

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 85.43 below lsd, Oct 28, 1950; lowest 85.73 below lsd, Aug. 15, 1951. Records available: 1950-51. Mar. 20, 85.67; Aug. 15, 85.73; Dec. 28, 85.47.

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 235.41 below lsd, Aug. 15, 1951; lowest 236.63 below lsd, Mar. 20, 1951. Records available: 1950-51. Mar. 20, 236.63; Aug. 15, 235.41; Dec. 28, 235.69.

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, 1938-51. Mar. 26, 2.35; June 7, 11.53, pumped recently; Sept. 13, 17.81; Dec. 21, 1.14.

4/1W-23G1. Julius Sather. Formerly Ben Burch. 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: 1945-51. Mar. 26, 48.98; June 7, 44.78; Sept. 13, 45.59; Dec. 21, 48.10.

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, 1938-51. Mar. 26, 7.46; June 7, 10.89; Sept. 13, 14.69; Dec. 21, 8.59.

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, 1938-51. Mar. 26, 2.37; June 7, 11.09; Sept. 13, 15.86; Dec. 21, 1.40.

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 24.24 below lsd, Sept. 13, 1951. Records available: 1930, 1935-36, 1938-51. Sept. 13, 24.24.

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, 1938-51. Mar. 26, 17.19; June 7, 23.01; Sept. 13, 27.92; Dec. 21, 20.20.

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, 1938-51. Mar. 26, 2.17; June 7, 6.28; Sept. 13, 12.66; Dec. 21, 0.76.

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 19.06 below lsd, Nov. 25, 1949. Records available: 1947-51. Mar. 26, 10.07; June 7, 13.82; Sept. 13, 18.58; Dec. 21, 14.41, pumped recently.

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 19.10 below lsd, Oct. 4, 1950. Records available: 1947-51. Mar. 26, 13.96; June 7, 16.04; Sept. 13, 18.70; Dec. 21, 14.86.

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: 1948-51. Mar. 26, 6.81; June 7, 8.40; Sept. 13, 11.64; Dec. 21, 7.98.

Multnomah County

1N/1-34N1. Weisfield & Goldberg. SW 6th Avenue 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: 1940-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	27.31	Apr. 30	a28.50	Aug. 1	a29.15	Nov. 1	29.57
Feb. 28	26.39	May 31	a26.81	31	a30.80	Dec. 1	a30.73
Mar. 31	27.37	June 29	a31.16	Sept. 29	a31.49		

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 5.88 below lsd, Aug. 9, 1950; lowest 8.46 below lsd, Mar.17, 1951, Nov. 11, 1949. Records available: 1945, 1947-51. Mar. 17, 6.46; Aug. 16, 8.12; Dec. 30, 8.52.

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: 1933-51. Jan. 25, 26.50; Aug. 7, 23.34; Sept. 8, 24.44; Oct. 15, 23.03.

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: 1933-51. Jan. 25, 26.01; Aug. 7, 12.92; Sept. 21, 14.38; Oct. 15, 16.90.

5N/35-3H1. Walter Miller. Formerly J. M. Morse Estate. 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 37.34 below lsd, Dec. 10, 1940. Records available: 1933-51. Jan. 25, 38.28; Aug. 7, 18.12; Sept. 8, 17.45; Oct. 15, 30.81.

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 846.67 feet above msl. Highest water level 3.47 below lsd, Aug. 8, 1933; lowest 6.85 below lsd, Oct. 10, 1940. Records available: 1933-51. Jan. 25, 6.08; Aug. 7, 7.28; Sept. 8, 4.71; Oct. 15, 7.22.

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: 1933-51. Jan. 25, 6.22; Aug. 7, 8.10; Sept. 8, 8.38; Oct. 15, 7.42.

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: 1933-51. Jan. 25, 8.39; Aug. 7, 21.88, pumping; Sept. 8, 21.29; Oct. 15, 7.24.

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 38.83 below lsd, Mar. 3, 1949. Records available: 1933-51. Jan. 25, 38.06; Aug. 7, 22.18; Sept. 8, 35.15; Oct. 15, 33.56.

8N/35-24Q1. Everett Miller. Formerly C. B. 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 884.30 feet above msl. Highest water level 7.85 below lsd, July 29, 1948; lowest 24.10 below lsd, Aug. 11, 1936. Records available: 1933-51. Jan. 25, 10.39; Aug. 7, 14.10; Sept. 8, 14.44; Oct. 15, 11.28.

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 26.75 below lsd, Apr. 26, 1941. Records available: 1933-51. Jan. 25, 20.66; Aug. 7, 18.12; Sept. 8, 14.64. Oct. 15, 16.35.

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: 1933-51. Jan. 25, 12.58; Aug. 7, 10.22; Sept. 8, 10.43; Oct. 15, 10.11.

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 6.22 below lsd, June 25, 1941; lowest 29.08 below lsd, Mar. 2, 1949. Records available: 1933-51. Jan. 25, 22.99; Aug. 7, 17.64; Sept. 8, 18.72; Oct. 15, 13.42.

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 28.19 below lsd, Oct. 10, 1940. Records available: 1933-51. Jan. 25, 21.74; Aug. 7, 23.31; Sept. 8, 25.84; Oct. 15, 25.67.

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 51.49 below lsd, Feb. 17, 1950. Records available: 1933-51. Jan. 25, 49.88; Aug. 7, 37.34; Sept. 8, 37.10; Oct. 15, 37.51.

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: 1933-51. Jan. 25, 30.39; Aug. 7, 33.77; Sept. 8, 35.02, pumping; Oct. 15, 24.43.

6N/35-36H1. Walter Hermann. Dug domestic water-table 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: 1933-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	15.50	Apr. 5	28.11	July 2	14.63	Sept. 26	21.10
8	16.66	12	28.21	6	16.09	28	20.80
10	16.23	15	27.91	9	16.38	Oct. 5	19.81
16	20.87	18	26.58	13	17.57	7	20.70
19	22.35	24	23.63	23	19.30	11	21.91
23	24.19	26	23.37	25	19.75	15	22.21
25	24.98	28	22.18	27	20.37	17	22.58
26	25.23	May 2	20.40	28	20.88	19	22.75
29	26.15	5	20.86	Aug. 2	21.54	25	21.63
Feb. 2	27.01	8	17.50	7	21.98	28	21.13
4	27.38	12	15.76	8	21.96	Nov. 5	21.83
9	28.06	18	14.72	11	22.18	10	23.10
13	28.07	22	14.16	13	21.85	17	25.00
18	25.89	26	13.88	16	21.87	19	25.36
20	24.45	28	13.94	21	21.46	25	26.65
22	23.63	June 6	14.24	23	21.36	28	27.36
25	23.49	8	14.33	24	21.73	Dec. 1	27.82
26	23.57	10	14.75	28	21.47	4	27.92
Mar. 4	24.35	13	14.31	Sept. 8	21.89	7	27.55
8	25.07	16	14.24	10	21.91	13	27.33
13	25.97	18	13.31	13	21.46	17	28.10
16	26.65	21	13.38	18	21.79	22	28.88
19	26.62	23	12.93	21	21.62	26	29.16
24	26.94	25	12.89	24	21.25	28	29.30
27	27.32	28	13.71				

Union County

1/38-24R1. H. L. Wagner. Drilled irrigation artesian well in basalt, diameter 12 to 10 to 8 inches, depth 1,150 feet, cased to bottom. Land-surface datum is about 2,735 feet above msl. Highest water level 107.0 above lsd, Dec. 30, 1951; lowest 53.0 above lsd, Aug. 13, 1951. Records available: 1950-51. Mar. 17, +97.0; Aug. 13, +53.0; Dec. 30, +107.0.

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 14.25 below lsd, Aug. 13, 1951; lowest 25.55 below lsd, Oct. 21, 1942. Records available: 1940-51. Mar. 17, 15.07; Aug. 13, 14.25; Dec. 30, 14.58.

3/38-10B1. Union County. Dug observation water-table well in sand and gravel, size 18 by 18 inches, depth 11 feet, wood crib to bottom, perforated 12-inch steel casing 7 to 10. Land-surface datum is 2,727.88 feet above msl. Highest water level 5.19 below lsd, Mar. 8, 1949; lowest 8.15 below lsd, Dec. 8, 1939. Records available: 1936, 1938-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	5.75	Apr. 14	5.88	July 21	7.06	Oct. 13	6.91
12	5.70	21	5.97	27	7.11	20	6.94
19	5.67	27	6.05	Aug. 4	7.15	27	6.96
26	5.48	May 4	6.01	11	7.20	Nov. 3	6.86
Feb. 2	5.91	10	6.00	13	7.21	10	6.81
9	5.46	19	6.08	17	7.30	17	6.73
15	5.50	25	6.19	23	7.34	24	6.66
23	5.62	June 2	6.40	28	7.35	Dec. 1	6.59
Mar. 3	5.52	9	6.36	Sept. 6	7.31	8	6.54
10	5.55	16	6.52	15	7.35	15	6.49
17	5.38	21	6.55	23	7.35	22	6.33
24	5.51	27	6.56	27	7.34	27	6.31
31	5.66	July 6	6.69	Oct. 6	6.89	30	6.19
Apr. 7	5.76	14	6.88				

3/38-25B1. Union County. Dug observation water-table well in sand and gravel, size 18 by 18 inches, depth 13 feet, cribbed with wood to 12, perforated 12-inch steel casing 9 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, 1938-51. Mar. 17, +7.50; Aug. 13, +8.92; Dec. 30, +9.55.

Wasco County

1N/13-23D1. Cherry Hill District Improvement Co. Drilled irrigation well in Yakima basalt, diameter 12 to 10 inches, depth 301 feet, casing to 193. Land-surface datum is about 623 feet above msl. Highest water level 220.0 below lsd, Oct. 10, 1947; lowest 253.0 below lsd, Oct. 24, 1950. Records available: 1947-51. Mar. 16, 242.

1N/13-32G1. Milton Martin. Drilled irrigation artesian water well in basalt, diameter 8 inches, depth 336 feet, casing to 44. Land-surface datum is about 1,170 feet above msl. Highest water level 182.8 above lsd, Mar. 16, 1951; lowest 24.5 above lsd, Aug. 18, 1951. Records available: 1946-51. Mar. 16, +182.8; Aug. 18, +24.5, pumping.

1N/13-32H1. Earl Lash. Drilled irrigation and domestic artesian well in basalt, diameter 6 inches, depth 179 feet, casing 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. Mar. 16, +57.8; Aug. 18, +44.0.

2N/12-25R1. Ward Weber. Drilled irrigation water well in sandstone in The Dalles formation, diameter 8 inches, depth 443 feet, casing to 250. Land-surface datum is about 500 feet above msl. Highest water level 104.93 below lsd, Mar. 16, 1951; lowest 142.0 below lsd, Oct. 9, 1947. Records available: 1947-51 Mar. 16, 104.93.

Washington County

1/1W-21R1. Elinore Shively. Drilled domestic and stock artesian water well in basalt, diameter 6 inches, depth 145 feet, casing to 20. Land-surface datum is about 285 feet above msl. Highest water level 98.91 feet below lsd, May 5, 1948; lowest 124.66 below lsd, Nov. 25, 1951. Records available: 1948-51. June 20, 124.25; Aug. 20, 121.27; Sept. 27, 118.49; Nov. 25, 124.66; Dec. 19, 119.16.

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, 1938-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1949	11.08	June 20, 1950	15.21	Mar. 26, 1951	11.40	Sept. 13, 1951	35.78
June 15	a27.40	Oct. 4	a37.16	June 7	17.59	Dec. 21	11.93
Nov. 25	a28.41	Dec. 27	11.59				

a Pumping.

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 in 1951 in cooperation with the State Engineer. Investigations were continued in seven heavily pumped areas, namely, the Beryl-Enterprise district and Milford district of Escalante Valley, Beaver Valley, Pavant Valley, Sevier Desert, Cedar City Valley, and Parowan Valley. Ground-water investigations were also continued in the Weber delta of the East Shore Area in cooperation with the Bureau of Reclamation and the Weber Basin Water Conservancy District. A reconnaissance study of the ground-water conditions in the Dugway Proving Ground, Tooele County, was made in cooperation with the Corps of Engineers, U. S. Army. Detailed studies of the geology of the recharge areas in the vicinity of Pineview Reservoir in Ogden Valley were started during the latter part of the year as part of a cooperative program with the Utah Water and Power Board.

During the year measurements were made in 982 selected wells throughout 42 ground-water areas of the State. In addition, recording gages were operated in 43 wells. In accord with the recently adopted method of reported annual water-level measurements, the records of only 275 of these observation wells are herein reported, including records from 23 recording gages. The distribution of the wells included in this annual water-level report is shown in figure 21. The records for the other observation wells that are listed in previous annual reports may be examined in the open files at the Utah district office of the Ground-Water Branch, 503 Federal Building, Salt Lake City. Some water-level measurements will be included from time to time in project reports that are published separately.

A detailed study entitled, "Pumping from wells on the floor of the Sevier Desert in Millard County, Utah" by W. B. Nelson and H. E. Thomas, was prepared for publication in Transactions of the American Geophysical Union. A report entitled "Discharge of wells in the East Shore Area, Utah," by W. B. Nelson, was released to the open file and to the Bureau of Reclamation for inclusion in a report on the Weber Basin Project plans. A brief informal memorandum report covering the results of work in the East Shore Area was prepared by P. E. Dennis. A compilation entitled "Bibliography of ground water in Utah" by P. F. Fix was released in mimeographed form.

Precipitation

During 1951 precipitation in Utah offered little in the way of the spectacular. According to records of the United States Weather Bureau, the precipitation in the State during 1951 was above normal in every month except January, February, March, June, and September, and the precipitation for the year as a whole totalled 14.49 inches or an excess of 1.31 inches. Despite this fact, the abnormally dry weather that has plagued the southern half of the State for more than 2 years continued through the growing season of this year, and many of the ground-water basins have been heavily taxed to supply irrigation demands. In the northern part of the State precipitation averaged, in general, above normal. One of the heaviest storms in the history of the State occurred during the last four days of December, making the prospects for 1952 appear much brighter.

Pumpage

Pumpage was computed for five ground-water basins in Utah where wells are pumped for irrigation. The estimated total pumpage from 447 irrigation wells in these areas amounted to about 118,500 acre-feet. This quantity is believed to be at least 90 percent of the total pumpage from irrigation wells in Utah. However, flowing artesian wells constitute an important additional source of water in many parts of the State. The number of wells and the pumpage in acre-feet for several districts are shown in the following table:

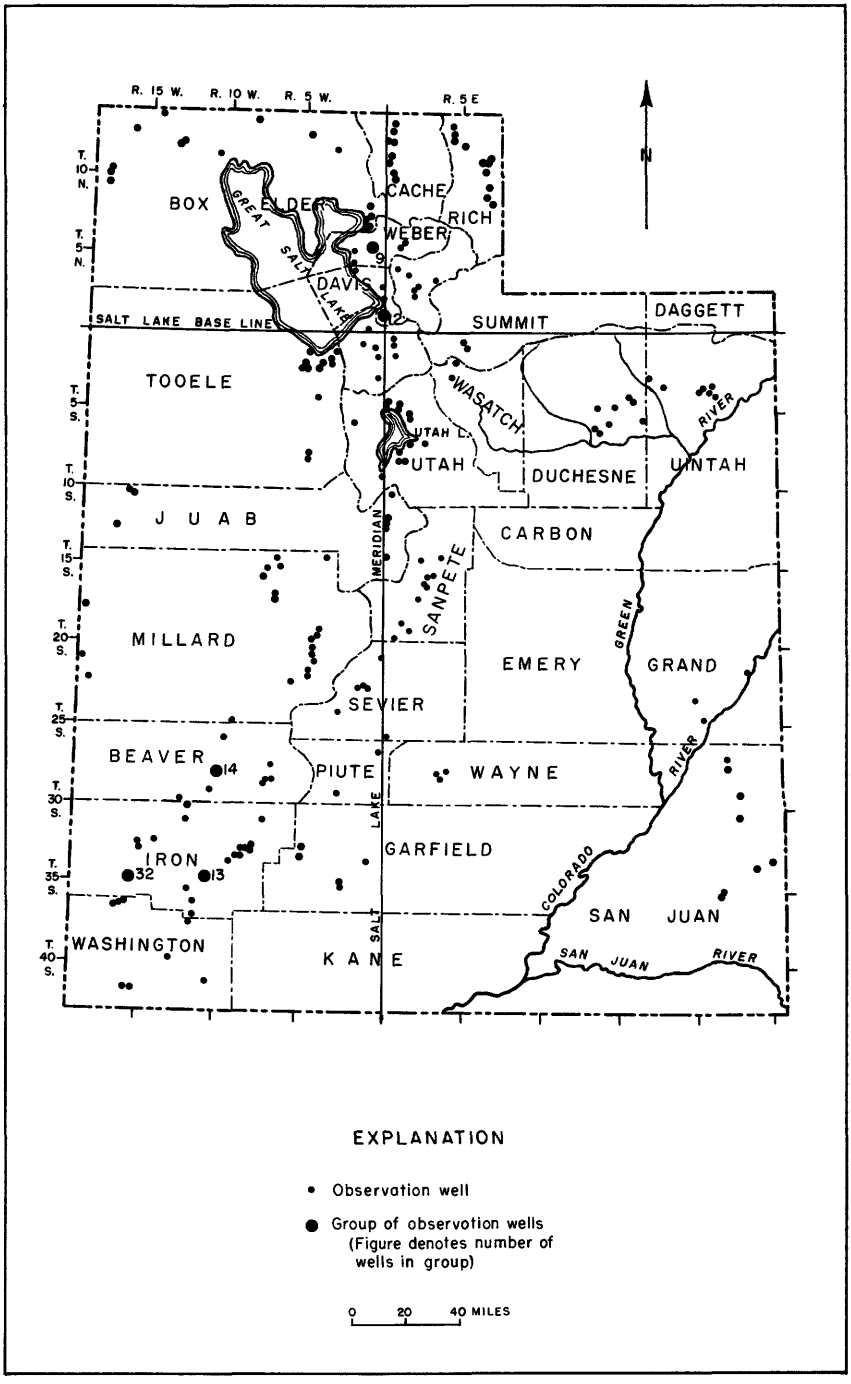


Figure 21.--Location of observation wells in Utah, 1951.

Estimated pumpage from wells for irrigation in several ground-water basins

Area	Number of pumped wells	Pumpage (acre-feet)
Escalante Valley		
Milford district	126	32,210
Beryl-Enterprise district	165	45,020
Cedar City Valley (excluding the Kanarraville area)		
Coal Creek district	38	11,560
Iron Springs district	9	2,720
Midvalley district	5	1,120
Enoch district	12	2,350
Parowan Valley		
Parowan district	32	7,650
Little Salt Lake district	9	2,470
Summit district	7	1,200
Pavant Valley		
Pavant district	9	2,000
Flowell district	3	200
Meadow district	5	1,500
Hatton district	9	3,300
Kanosh district	4	700
Sevier Desert		
Near Leamington	7	1,200
Near McCornick	7	3,300
TOTALS	447	118,500

In most ground-water areas of the State approximately the same acreage was irrigated in 1951 as in the preceding year. The phenomenal increase in use of ground water since about 1940, however, especially for irrigation and industrial developments, has necessitated a close watch of water-level trends in many areas. Several of the districts shown in the above table are "problem" areas in ground-water administration, in that development has progressed to the point where well owners are faced with diminishing well yields and increased pumping costs. All of the Beryl-Enterprise district and parts of Parowan Valley and Cedar City Valley have been closed by State authorities to further drilling of water wells. The State has relied heavily upon basic ground-water data, collected as a part of the continuing cooperative program, in the equitable administration of the State's ground-water resources.

Interpretation of Water-Level Fluctuations

Many of the following general statements in regard to the interpretation of water-level fluctuations are discussed in considerably more detail in a report entitled "Status of development of selected ground-water basins in Utah," by H. E. Thomas, W. B. Nelson, B. E. Lofgren, and R. G. Butler in Technical Publication No. 7 in the State Engineer's 28th Biennial Report.

Although the majority of the observation wells reported herein obtain water that is confined under artesian pressure, few of them are flowing wells. The water levels in most wells in Utah do not fluctuate in direct response to individual rainstorms because in nearly every instance the distance separating the well from the area of intake is too great, nor do they show marked fluctuations in response to seasonal precipitation. There is, however, good correlation in nearly all of Utah's ground-water basins between annual precipitation trends and water-level trends, for precipitation is the prime source of replenishment for all water resources. In many ground-water basins, the trends of water-level fluctuations in wells are found to correlate closely with the annual discharge of the mountain streams that bring water from melting snow to those valleys. In valleys where there are good records, both of stream flow and of precipitation, the water-level trends may correlate more closely with the stream flow than with precipitation. In selected wells in Cedar City Valley the water-level trend has been generally downward since 1942 except in 1949, and by the end of 1951 the average water level was the lowest on record. In Parowan Valley the total discharge from the ground-water reservoir in 1951 was greater than the recharge in that dry year, as shown by the fact that levels declined markedly. Pumping is known to stop the flow of many artesian wells during the summer, including some that may be several miles from the pumped wells.

In the Beryl-Enterprise district of Escalante Valley water levels in all wells in the area where irrigation wells are concentrated, with only one or two exceptions, have declined since the advent of heavy pumping. The decline has been especially great where large producing wells have been clustered together, and in a number of instances it has necessitated the lowering of pump columns in the affected wells. The hydrographs of selected observation wells indicate the declining trend of water levels. Rates of decline of 2 or 3 feet in a year are not uncommon in many wells in the heavy pumping area, and since 1946 declines of as much as 13 feet have been noted in the southern end of the area. The general downward trend of water levels appears to be almost exclusively caused by the pumping of irrigation wells. In general, ground-water fluctuations throughout the northern part of the Beryl-Enterprise district are of small magnitude, indicating that the quantity of water drawn from storage by natural losses or by pumpage and the quantity of water returned to storage by recharge from whatever source are small as compared to the size of the underground reservoir and the amount of water maintained in storage. The average change of water level in 19 selected wells in the Milford district of Escalante Valley was plotted, together with data concerning annual precipitation at Milford, discharge of the Beaver River, and pumpage from irrigation wells in the Milford district. The 19 wells are situated in the areas of older development, and the graph shows a marked downward trend in 1950 and 1951. There was a marked increase in pumping in the 2 years, which may have been chiefly responsible for this decline in water levels. However, the precipitation at Milford was less than normal and the runoff of Beaver River was well below the long-term average in both years. Water levels were measured in a number of wells in March of 1951 and again in October about 2 weeks after the pumps had been turned off. The decline of water levels in these wells ranged from 1 to 11 feet, and is attributed to pumping. During 1950 and 1951 the water levels declined in the heavily pumped area until it was beyond the reach of most of the centrifugal pumps. The owners of most of these wells have drilled replacement wells and equipped them with turbine pumps of greater capacity.

In Pavant Valley there have been relatively few changes in the development and use of ground water since 1945 in those areas where irrigation water is obtained from flowing wells, notably in the Flowell district. The trends in water level in three wells situated in the Flowell, Meadow, and Hatton districts generally follow the trend in precipitation. Since 1940 there has been a gradual but progressive upward trend in water levels in two wells in undeveloped areas of the Pavant and Kanosh districts. The use of flowing wells tapping the artesian aquifers in Pavant Valley has been stable for many years. Since the enactment of the ground-water law in 1935, the State Engineer has not approved applications for new irrigation wells tapping these aquifers in the Flowell district. In consequence the artesian water has been drawn from the same group of more than 80 irrigation wells year after year. Most of these wells are opened on April 1 and capped on October 1 of each year, but a few "edge" wells that cease flowing in the summer are permitted to open a month earlier and close a month later. Several irrigation wells were drilled during 1950 and 1951 in the parts of Pavant Valley that are outside of the area of artesian flow. Of these, 9 are in the Pavant district, 6 in the Hatton district, 5 in the Meadow district, 3 in the Kanosh district and 1 in the Flowell district. Generally these new wells are in areas where there had been little or no development of ground water prior to 1950, and they are used chiefly to irrigate lands that had previously been dry farmed or grazed, or had been irrigated occasionally by surface water. These new wells pumped about 5,300 acre-feet in 1951, and irrigated about 2,100 acres of land. The total pumpage from Pavant Valley was of the order of 7,700 acre-feet in 1951. Thus the aggregate withdrawal from all wells, flowing and pumped, was about 30,000 acre-feet during that year. The ultimate effect of pumping of the 24 irrigation wells drilled in 1950 and 1951 cannot be evaluated at this time. In March 1952 the water levels in several of these wells were 1 to 9 feet lower than they had been a year earlier, suggesting that pumping during the 1951 irrigation season caused some reduction in ground-water storage. But depletion of storage is a common feature of the initial stages of well development in many places, and it may be years before there is evidence of replenishment in quantities sufficient to balance the pumping discharge.

The development and use of wells for irrigation in the Sevier Desert began in 1950. Prior to that time there were hundreds of small-diameter artesian wells, which flowed or were pumped to provide water for domestic or stock use. Seven irrigation wells were drilled in 1950 and 1951, some along the base of the Canyon Range near Lynndyl, Oak City, and McCornick, and some at lower elevations on the Sevier Desert, which produce water for irrigation by artesian flow. These wells are 6 to 8 miles north of Delta, and yield as much as 800 gpm each. There is relatively little change in water level or artesian pressure from year to year in wells on the floor of the Sevier Desert, except in those wells that are affected by interference of nearby discharging wells. In particular, the water levels in those lowest wells respond very slightly to variations either in annual precipitation or in annual runoff of the Sevier River, the only major stream that enters the Sevier Desert. Hydrographs for wells tapping the coarser and more productive aquifers higher in these basins are likely to correlate more closely with fluctuations in precipitation and runoff. The effect of pumping upon wells within the area of artesian flow will take detailed study.

In Utah Valley both the runoff and the fluctuations of water levels in wells reflect the series of wet and dry years, as shown by precipitation records. Measurements in selected wells show that the artesian pressure in recent years has been appreciably higher than in 1939 and 1940, and

it may be presumed that the rate of discharge of the wells drilled prior to those years has also increased, because most of them are flowing wells. Thus, it must be concluded that the total draft from the ground-water reservoir is now substantially greater than in 1939, even though quantitative data are not available.

In Jordan Valley the situation with respect to ground water may be summarized as follows: There are probably 8,000 wells in Jordan Valley which obtain water from several aquifers to depths as great as 1,000 feet, and it is likely that productive horizons extend to greater depths. Records of water-level fluctuations in selected wells have been maintained for 20 years, and these show the composite effects of withdrawals from wells, natural discharge, and recharge to the aquifers by various means.

In the East Shore Area in Davis County the water-level trends in most observation wells are correlative with the trends in annual precipitation as recorded at Farmington. In the wells of longest record, the lowest water levels were recorded toward the end of the 1931-35 drought. In most wells the highest water levels were recorded in 1942, following the year of greatest precipitation since 1916. In the northern part of the county, the water levels in some wells have risen appreciably in recent years, as shown by the hydrographs for the observation wells at Kaysville and Layton.

Development in Grouse Creek, Snake Valley and most of the basins in the western part of the State has proceeded rather slowly and water levels have been only slightly influenced by pumping. Likewise, water levels in the mountainous northeastern part of the State have remained relatively constant throughout the period of record. In general, ground-water levels throughout most of southern Utah have declined markedly in response to the extended period of deficient precipitation, and in many of the congested areas water levels have approached the lowest levels reached during the 1935-1950 period 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, and similarly, water-level records from several observation wells in Wasatch County were furnished through informal cooperation with the Bureau of Reclamation.

Well-Numbering System

The well number 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. 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, southwest; and D, 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 the first well of the tabulation (C-26-10)32cad-1, 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 lower-case letters give the location of the well within the section, the first letter indicating the quarter section (the letters a, b, c, d, represent respectively the northeast, northwest, southwest, and the southeast quarters), 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 are below the plane of reference appropriate signs are placed to indicate a change; readings that are between minus (-) signs are considered to be below the plane of reference; and those between plus (+) signs are considered as above the plane of reference. A plus or minus sign is placed immediately preceding the first entry in each column of each mixed table.

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, uncased. Land-surface datum is 6,149.1 feet above msl. Highest water level 7.12 below lsd, May 18, 1937; lowest 27.97 below lsd, Apr. 27, 1939. Records available: 1935-51. Mar. 19, 21.89.

(C-29-7)21baa-1. State application 21717. Formerly 17cdd-1 State claim 6919. John R. & J. Ellis Yardley. Formerly Drought Relief Administration. 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 0.25 below lsd, June 29, 1938; lowest 25.84 below lsd, Feb. 4, 1936. Records available: 1935-51. Mar. 19, 25.80; May 11, 15.80; June 5, 11.72; July 6, 9.50; July 11, 9.66; Aug. 21, 14.40; Oct. 18, 19.54.

(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, perforated 20-245. Highest water level 17.05 below lsd, Dec. 13, 1950; lowest 21.90 below lsd, Oct. 18, 1951. Records available: 1950-51. Oct. 18, 21.90; Dec. 4, 17.49.

(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 11.1 above lsd, Dec. 5, 1950. Records available: 1936-51. Mar. 19, +11.3; Dec. 4, +11.7.

Beaver County - 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: 1936-51. Mar. 12, 14.22; Dec. 10, 14.98.

(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 4.69 below lsd, Aug. 31, 1948. Records available: 1940-51. Mar. 13, 2.45; Oct. 12, 4.25; Dec. 6, 3.07.

(C-28-10)18cbc-1. State application 17555. Carl Elmer. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 193 feet, cased to 193. Land-surface datum is 4,971.6 feet above msl. Highest water level 9.72 below lsd, Mar. 23, 1950; lowest 12.95 below lsd, June 6, 1951. Records available: 1950-51. Mar. 13, 10.35; June 6, 12.95; Aug. 16, 21.10 pumping; Oct. 12, 12.50; Dec. 6, 11.18.

(C-28-10)19add-1. State claim 6564. Claus Marshal. Formerly J. A. Kirk and Sam Cline. 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 12.18 below lsd, July 22, 1938. Records available: 1936-51. Mar. 13, 6.40; May 9, 23.20 pumping; July 5, 23.90 pumping; Aug. 16, 26.30 pumping; Oct. 10, 9.92; Dec. 6, 7.96.

(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 23.68 below lsd, July 19, 1951. Records available: 1950-51.

Daily noon water level from recorder graph*

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Dec.
1	.....	.....	.....	20.27	22.15	22.55	20.11	20.12	.....
2	.....	.....	.....	20.54	22.05	21.93	19.97	20.13	.....
3	.....	.....	.....	20.51	22.26	22.18	19.94	.....	.....
4	.....	.....	.....	20.46	22.53	21.66	19.95	.....	.....
5	.....	.....	.....	20.48	22.33	21.08	19.92	.....	.....
6	.....	.....	.....	20.54	22.59	19.67	19.92	.....	.....
7	.....	.....	.....	20.31	22.85	19.59	19.90	.....	.....
8	.....	12.88	17.07	20.13	22.82	19.59	19.95	.....	.....
9	.....	12.71	17.38	20.80	22.53	19.84	19.95	16.86	14.80
10	.....	.....	17.54	20.91	22.70	.....	19.88	16.67	.....
11	.....	.....	17.71	20.98	22.95	19.96	20.16	16.48	.....
12	.....	.....	17.93	21.14	22.99	19.97	20.39	16.35	.....
13	.....	.....	17.83	21.32	23.15	20.54	20.47	16.28	.....
14	10.92	14.08	.....	20.72	23.11	20.92	20.53	16.16	.....
15	.....	14.22	.....	20.40	23.11	21.08	20.48	16.04	.....
16	.....	14.52	.....	.....	23.35	20.99	20.30	15.98	.....
17	.....	14.79	.....	.....	.....	20.92	20.11	15.94	.....
18	.....	14.95	.....	19.76	23.62	21.08	20.25	15.92	.....
19	.....	15.10	.....	19.53	23.68	.....	20.33	15.86	.....
20	.....	15.42	.....	19.89	.....	.....	.....	.....	.....

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

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Dec.
21	.....	.....	.....	20.76	.....	.....	.....	.....	.....
22	.....	.....	17.94	21.17	.....	.....	20.03	.....	.....
23	.....	10.18	.....	21.50	.....	.....	19.87	.....	.....
24	.....	10.30	18.59	20.83	.....	20.83	19.90	.....	.....
25	10.80	.....	19.07	.....	.....	20.46	20.00	.....	.....
26	10.83	.....	19.33	.....	22.70	20.70	19.98	.....	.....
27	10.72	.....	19.40	20.60	22.64	20.26	20.01	.....	.....
28	.....	.....	19.36	20.67	22.71	20.23	20.08	.....	.....
29	.....	.....	19.48	21.15	22.58	20.09	20.01	.....	.....
30	.....	.....	19.60	21.88	22.54	20.08	20.79	.....	.....
31	.....		19.86		22.57	20.16		.....	.....

* No record for January, February, and November.

(C-28-10)32ccc-1. State claim 2040. Jack Hadley. Formerly Robert Ricketts. Drilled unused water-table well in alluvium, diameter 14 to 12 inches, depth 72 feet, cased to 72 feet. Land-surface datum is 5,013.5 feet above msl. Highest water level 14.93 below lsd, Aug. 8, 1939; lowest 29.45 below lsd, Aug. 31, 1951. Records available: 1938-42, 1950-51.

Daily noon water level from recorder graph *

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Dec.
1	.....	.....	22.45	25.73	27.01	28.38	29.37	28.29	.....
2	.....	.....	22.52	25.73	27.38	27.80	29.27	28.13	.....
3	.....	.....	22.60	25.92	27.51	27.79	29.32	27.80	.....
4	.....	.....	22.69	25.95	27.48	27.41	29.34	27.75	.....
5	.....	.....	22.73	25.94	27.70	27.49	29.41	27.55	.....
6	.....	.....	22.80	26.01	27.65	27.66	29.37	.....	.....
7	.....	.....	22.93	26.02	27.75	27.65	29.15	.....	25.03
8	.....	.....	23.03	26.05	27.70	27.84	29.08	.....	.....
9	.....	.....	23.19	26.05	27.80	28.02	29.35	27.20	.....
10	.....	.....	23.23	26.27	27.79	28.20	29.32	27.16	.....
11	.....	.....	23.37	26.40	27.55	28.05	29.37	27.09	.....
12	.....	.....	23.42	26.52	27.77	28.34	29.14	27.03	.....
13	.....	20.98	23.47	26.44	27.96	28.58	29.07	27.00	.....
14	20.05	21.07	23.62	26.25	28.12	28.39	29.05	26.94	.....
15	.....	21.17	23.71	26.13	28.33	28.56	29.05	26.89	.....
16	.....	21.26	23.86	26.09	28.43	28.59	29.05	26.86	.....
17	.....	21.35	24.00	26.30	28.58	28.59	28.95	26.81	.....
18	.....	21.43	24.14	26.43	.....	28.59	28.75	26.77	.....
19	.....	21.47	24.26	27.47	28.92	28.38	.....	26.72	.....
20	.....	21.54	24.37	27.63	29.02	28.65	.....	26.67	.....
21	.....	.....	24.42	27.77	.....	29.26	.....	.....	.....
22	.....	.....	24.44	27.64	.....	28.86	.....	.....	.....
23	.....	21.88	24.63	27.79	.....	.....	.....	.....	.....
24	.....	22.00	24.80	27.79	.....	28.97	28.68	.....	.....
25	.....	22.11	24.81	.....	.....	28.89	28.50	.....	.....
26	.....	22.23	24.83	.....	.....	29.28	28.96	.....	.....
27	.....	22.34	24.86	26.77	28.77	29.48	28.85	.....	.....
28	.....	22.34	24.98	26.90	28.68	29.50	28.85	.....	.....
29	.....	22.34	25.09	27.02	28.68	29.32	28.52	.....	.....
30	.....	.....	25.44	27.06	28.73	29.39	28.40	.....	.....
31	.....		.....		28.74	29.45		.....	.....

* No record for January, February, and November.

(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 33.28 below lsd, Sept. 21, 1941. Records available: 1941-51. Aug. 14, 33.05; Dec. 7, 29.90.

(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 11.07 below lsd, Oct. 10, 1951. Records available: 1938-45, 1950-51. Mar. 13, 7.10; May 10, 24.40 pumping; June 6, 25.20 pumping; July 5, 26.70 pumping; Oct. 10, 11.07; Dec. 9, 8.84.

(C-28-11)36add-1. State claim 20233. George Smith. Formerly State of Utah. 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 20.24 below lsd, Aug. 30, 1951. Records available: 1938-51.

(C-28-11)36add-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 6	12.54	May 10	14.00	Aug. 17	19.90	Oct. 11	18.60
26	12.08	June 6	15.95	28	20.14	31	17.09
Mar. 13	11.80	27	15.59	30	20.24	Nov. 30	15.78
25	11.58	July 26	19.44	Sept. 29	20.10	Dec. 9	15.50
May 1	13.29						

(C-29-10)6ddc-1. State claim 13116. Wilford Thompson. Formerly E. C. McCain. 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: 1932-51. Mar. 14, 31.55; June 6, 43.30 pumping; July 7, 43.90 pumping; Aug. 16, 44.90 pumping; Oct. 12, 37.74; Dec. 9, 36.24.

(C-29-11)1add-1. State claim 10290. Orin Williams. Formerly Duluth Land Co. 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 30.56 below lsd, Sept. 17, 1935. Records available: 1935-51. Mar. 13, 21.15; June 6, 40.90 pumping; July 6, 41.50 pumping; Aug. 17, 42.80 pumping; Oct. 12, 27.90; Dec. 7, 25.20.

(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 34.45 below lsd, Apr. 23, 1949; lowest 35.60 below lsd, Dec. 7, 1951. Records available: 1941-46, 1948-51. Aug. 14, 35.18; Dec. 7, 35.60.

(C-29-11)11cdd-2. State claim 7540. J. L. Shepherd. Formerly Preston Davis. 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 20.80 below lsd, Oct. 12, 1951. Records available: 1937-51. Mar. 13, 18.67; July 5, 35.60 pumping; Oct. 12, 20.80; Dec. 7, 20.14.

(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 39.65 below lsd, Aug. 16, 1951. Records available: 1947-51. Mar. 13, 35.75; June 6, 38.26; Aug. 16, 39.65; Oct. 11, 39.10; Dec. 8, 38.57.

(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 29.42 below lsd, July 31, 1936. Records available: 1935-51. Mar. 14, 26.10; July 5, 28.25; Aug. 16, 29.11; Oct. 12, 27.68; Dec. 8, 25.55.

(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: 1935-51. Oct. 13, 26.26; Dec. 9, 26.17.

(C-30-13)34bbb-1. Cook Bros. Formerly J. F. Dinwiddie. 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. No measurement made in 1951.

Box Elder County - East Shore area

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

(B-7-2)11baa-3. State claim 6409. Jack White. Formerly Bonneville Orchard Co. 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. 29	36.55	Mar. 28	35.70	May 30	35.90	Aug. 30	28.84
Feb. 26	35.12	Apr. 26	36.06	June 29	34.85	Oct. 26	28.50

(B-7-2)11cda-1. State claim 1489. Parley Dean. Formerly First Savings Bank of Ogden. Drilled unused artesian well in alluvium, diameter 10 inches, depth 186 feet, cased to 186, perforations 40-186. Land-surface datum is 4,301.65 feet above msl. Highest water level 16.90 below lsd, Sept. 30, 1949; lowest 20.95 below lsd, Oct. 8, 1936. Records available: 1936-51. Mar. 28, 20.25; Aug. 30, 17.75.

(B-8-2)23cdb-1. State claims 1284 and 8126. Willard Water Co. Drilled irrigation artesian well in coarse gravel, diameter 12 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.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	41.25	Apr. 26	39.85	June 29	30.74	Oct. 1	37.49
Feb. 26	41.05	May 30	29.60	July 31	35.61	26	38.30
Mar. 28	40.82	June 19	29.35				

(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 31.3 above lsd, Dec. 11, 1941; lowest 16.15 above lsd, Oct. 3, 1935. Records available: 1935-45, 1951. Mar. 28, +30.0; Nov. 1, +30.4.

(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 30.05 below lsd, July 19, 1945; lowest 46.85 below lsd, Aug. 13, 1936. Records available: 1935-51. Mar. 29, 41.60; Oct. 26, 34.90; Nov. 1, 35.62.

(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: 1936-51. Aug. 27, 112.90; Oct. 31, 113.39.

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 78.09 below lsd, Aug. 16, 1936. Records available: 1935-51. Aug. 27, 59.75; Oct. 31, 60.49.

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, 1938-51. Aug. 29, 8.92; Nov. 1, 8.61.

(B-14-9)10ada-1. Abe Rose. Driven domestic artesian well in alluvium, diameter 6 inches, depth 171 feet. Highest water level 96.00 below lsd, Nov. 15, 1950; lowest 100.50 below lsd, Apr. 6, 1939. Records available: 1936-42, 1944-51. Aug. 28, 96.41; Oct. 31, 96.14.

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 118.60 below lsd, Sept. 29, 1939; lowest 120.66 below lsd, Oct. 23, 1944. Records available: 1939-51. Aug. 29, 119.00; Nov. 1, 118.98.

(B-11-18)23bb. Central Pacific Railroad. Dug unused water-table well in coarse gravel, diameter 4 feet, depth 26 feet. Highest water level 12.73 below lsd, Aug. 29, 1951; lowest 23.68 below lsd, Oct. 10, 1936. Records available: 1936, 1939-51.

Daily noon water level from recorder graph*

Day	Aug.	Sept.	Oct.	Nov.	Dec.	Day	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	12.88	15.39	17.41	18.30	11	.....	13.73	16.16	17.80	18.45
2	.....	12.93	15.46	17.45	18.32	12	.....	13.80	16.23	17.84	18.46
3	.....	13.01	15.55	17.49	18.33	13	.....	13.86	16.31	17.87	18.47
4	.....	13.07	15.63	17.54	18.33	14	.....	13.94	16.38	17.90	18.48
5	.....	13.14	15.71	17.58	18.36	15	.....	14.04	16.45	17.93	18.49
6	.....	13.23	15.78	17.62	18.37	16	.....	14.12	16.53	17.96	18.52
7	.....	13.33	15.85	17.66	18.39	17	.....	14.20	16.60	17.99	18.53
8	.....	13.47	15.93	17.69	18.41	18	.....	14.28	16.67	18.02	18.55
9	.....	13.55	16.01	17.73	18.42	19	.....	14.39	16.74	18.04	18.56
10	.....	13.62	16.08	17.77	18.43	20	.....	14.48	16.81	18.07	18.57

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

Day	Aug.	Sept.	Oct.	Nov.	Dec.	Day	Aug.	Sept.	Oct.	Nov.	Dec.
21	.....	14.58	16.87	18.09	18.58	27	.....	15.05	17.24	18.22	18.65
22	.....	14.63	16.93	18.12	18.59	28	.....	15.14	17.29	18.24	18.66
23	.....	14.71	17.00	18.14	18.61	29	12.73	15.23	17.34	18.26	18.66
24	.....	14.79	17.06	18.16	18.62	30	12.78	15.31	17.39	18.27	18.67
25	.....	14.88	17.12	18.18	18.62	31	12.82		17.45		18.68
26	.....	14.97	17.19	18.20	18.64						

* No record for January, February, March, April, May, June and July.

(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 22.44 below lsd, Oct. 31, 1951; lowest 30.42 below lsd, Oct. 23, 1948. Records available: 1948-51. Aug. 29, 26.10; Oct. 31, 22.44.

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, 1938-51. Aug. 30, 11.31; Nov. 1, 7.18.

(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, 1938-51. Aug. 30, 11.88; Nov. 1, 15.48.

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: 1948-51. Aug. 28, 19.30; Oct. 31, 22.54.

(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 47.79 below lsd, Oct. 5, 1942; lowest 51.70 below lsd, Oct. 9, 1940. Records available: 1935-36, 1938-51. Aug. 28, 46.52; Oct. 31, 48.66.

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 10.50 below lsd, June 2, 1939. Records available: 1936-51. Mar. 27, 10.27; Oct. 30, 8.92.

(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 3.03 above lsd, Oct. 30, 1951; lowest 6.45 below lsd, June 24, 1940. Records available: 1936-51. Mar. 27, -2.00; Oct. 30, +3.03.

(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 13.7 above lsd, Aug. 23, 1940. Records available: 1940-51.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.8	19.3	19.2	19.4	19.1	....	20.2	22.0	21.9	....	21.7	21.1
2	19.7	19.3	19.3	19.3	19.0	....	20.2	21.7	21.4	....	21.7	21.0
3	19.2	19.2	19.2	19.2	19.2	....	20.1	21.5	21.2	....	21.6	21.1
4	19.3	19.2	19.2	19.1	19.2	19.7	20.1	21.5	20.9	....	21.7	21.0
5	19.3	19.6	19.4	....	19.2	19.7	20.0	21.5	20.7	....	21.7	20.9
6	19.3	19.3	19.3	....	19.3	19.8	20.1	21.6	....	....	21.7	21.0
7	19.1	19.2	19.1	....	19.3	19.8	20.3	21.6	....	....	21.7	21.0
8	19.2	19.4	19.2	19.5	19.3	19.6	20.3	21.5	21.6	....	21.7	20.8
9	19.2	19.5	19.2	19.3	19.0	19.6	20.3	21.9	21.7	....	21.7	20.7
10	18.8	19.4	19.2	19.2	19.4	19.7	20.3	21.6	21.7	....	21.6	20.8
11	18.0	19.4	....	19.2	19.3	....	20.3	21.6	21.8	....	....	20.7
12	19.1	19.5	19.3	19.3	19.2	....	20.3	21.6	21.8	....	....	20.6
13	19.2	19.3	19.3	19.3	19.1	....	20.3	21.6	21.8	....	....	20.7
14	19.2	19.2	19.3	19.3	19.4	....	21.1	21.9	21.4	....	....	20.8
15	19.8	19.3	19.4	19.3	19.1	20.2	21.0	21.9	21.7	....	....	20.6
16	19.8	19.3	19.4	19.6	19.2	20.2	20.9	21.8	20.9	....	....	20.5
17	19.7	19.2	19.2	19.1	19.2	20.2	20.9	21.6	20.8	....	21.6	20.6
18	19.8	19.4	19.2	19.1	19.1	20.2	20.9	21.6	20.8	....	21.7	20.5

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
19	19.7	19.3	19.2	19.1	19.1	20.2	20.9	21.5	20.9	....	21.6	20.3
20	19.5	19.2	19.3	19.1	19.2	20.2	20.8	21.7	20.9	....	21.4	20.5
21	19.6	19.2	19.2	19.0	19.1	20.2	20.8	21.6	....	....	21.6	20.5
22	19.3	19.3	19.3	19.0	19.3	20.1	21.1	21.6	....	....	21.6	20.3
23	19.2	19.4	19.2	19.1	19.2	20.1	21.1	21.7	....	....	21.4	20.3
24	19.2	19.4	19.2	19.0	19.5	20.1	21.3	21.8	....	....	....	20.5
25	19.4	19.4	....	18.9	19.5	20.2	21.3	21.7	....	....	21.3	20.4
26	19.4	19.3	....	19.0	19.5	20.2	21.2	21.7	....	....	21.5	20.2
27	....	19.2	....	19.0	19.5	20.2	21.2	21.7	....	....	21.2	....
28	....	19.1	19.0	19.1	19.6	20.2	21.2	21.7	....	....	21.1	....
29	19.3		19.3	19.3	19.7	20.2	21.1	21.7	....	....	21.1	....
30	19.2		19.2	19.3	19.7	20.3	21.6	22.2	....	21.8	21.2	20.2
31	19.2		19.1		19.7		21.6	22.4		21.7		20.4

(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 40.0 above lsd, Oct. 31, 1951; lowest 27.4 above lsd, Sept. 30, 1937. Records available: 1936-47, 1949-51. Mar. 28, +37.9; Oct. 31, +40.0.

(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. Mar. 27, -0.48; Oct. 30, +6.3. Records available: 1936-51.

(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: 1938-51. Mar. 27, +9.2; Oct. 30, +8.9.

(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: 1935-51. Mar. 27, 9.90; Oct. 30, 12.85.

(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: 1936-51. Mar. 28, +22.4; Oct. 31, +23.0.

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 $1\frac{1}{4}$ 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: 1946-51. Mar. 26, +11.5; Dec. 19, +10.7.

(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. Mar. 26, +27.5.

(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, 1945-51. Mar. 26, 9.88; Dec. 19, 12.05.

(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 21.87 below lsd, Oct. 17, 1941; lowest 37.15 below lsd, Mar. 10, 1941. Records available: 1937-51. Mar. 26, 30.15; Dec. 19, 28.85.

(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: 1938-51.

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

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	24.1	....	22.8	23.0	23.4	25.3	23.6	23.4	19.4	21.6	21.4	21.5
2	23.9	....	22.9	23.1	23.5	25.6	23.1	23.0	19.8	21.5	21.4	21.5
3	23.8	....	22.9	23.1	23.7	25.7	22.5	21.2	20.4	21.3	21.3	21.5
4	23.9	23.3	22.9	23.2	23.8	24.5	20.3	19.4	20.8	21.3	20.5	21.4
5	23.9	23.3	23.0	23.1	24.0	24.8	19.6	22.8	21.2	21.3	20.2	21.2
6	23.6	23.2	20.8	23.1	24.3	25.6	19.0	23.8	21.4	21.2	20.6	21.2
7	23.6	23.5	20.8	23.2	24.3	24.9	18.9	24.1	21.3	21.5	20.9	21.1
8	23.8	23.3	22.7	23.1	24.3	25.6	18.5	24.1	19.6	21.6	20.1	21.0
9	23.6	23.2	22.9	23.2	24.4	25.7	18.6	24.2	20.3	21.6	20.0	21.2
10	23.5	23.3	22.6	22.4	24.3	23.9	18.6	23.3	21.2	21.5	20.2	21.3
11	23.6	23.4	22.8	20.7	24.2	23.2	18.7	23.4	21.1	20.7	20.4	21.2
12	23.6	23.4	22.8	22.8	24.1	24.5	19.6	23.2	20.7	20.5	20.4	21.1
13	23.4	23.2	22.8	23.1	24.4	24.3	19.7	22.1	21.0	20.7	20.9	21.2
14	23.5	23.1	22.7	22.9	24.9	24.0	19.0	21.6	21.1	21.5	20.9	21.0
15	23.8	23.2	22.8	22.4	25.2	23.0	20.8	21.0	21.1	21.8	21.0	21.0
16	23.7	23.1	22.8	22.5	25.2	23.8	18.5	19.7	20.8	21.7	21.0	21.1
17	23.5	23.1	22.7	22.7	25.4	22.5	18.1	19.8	20.1	21.5	21.5	21.1
18	23.7	23.2	22.7	22.5	25.6	22.5	18.1	19.7	18.4	21.6	21.7	21.1
19	23.6	23.1	22.9	22.6	25.8	20.1	18.4	18.4	18.0	21.7	21.9	21.0
20	23.4	23.0	22.9	22.5	25.8	23.6	17.8	19.6	17.8	21.6	21.9	21.0
21	23.5	23.0	23.0	22.6	25.9	24.6	21.6	20.8	19.8	21.6	21.7	21.0
22	23.7	23.0	22.9	23.0	26.0	24.8	22.0	20.4	21.0	21.7	21.7	20.9
23	23.5	23.0	22.8	23.1	24.9	24.9	21.8	20.0	21.2	21.7	21.7	21.0
24	23.4	22.9	22.8	23.0	25.6	24.4	21.9	20.7	21.0	21.7	21.7	21.1
25	23.5	23.0	23.0	23.0	25.5	24.5	19.0	19.3	21.4	21.7	21.7	21.0
26	23.5	23.0	23.0	23.1	25.3	24.7	22.6	18.3	21.2	21.6	21.5	20.9
27	23.4	23.0	23.0	23.3	24.0	21.4	21.8	18.0	20.9	21.5	21.7	21.0
28	23.5	22.9	22.9	23.5	24.3	23.3	....	16.8	20.7	21.6	21.7	21.0
29	23.5		23.0	23.5	25.0	23.6	22.9	16.1	21.0	21.7	21.9	20.9
30	23.4		23.0	23.5	25.3	23.4	23.5	16.1	21.4	21.5	21.9	21.1
31	....		22.9		25.2		23.8	16.5		21.4		21.0

(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: 1937-51. Mar. 26, 65.82.

(B-2-1)24bad-3. State claim 2677. Clyde Jeppson. Formerly C. R. Gull. 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 51.7 above lsd, May 12, 1950; lowest 40.2 above lsd, Aug. 7, 1946. Records available: 1945-51.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	48.6	48.5	48.2	49.8	....	....	....	46.0	46.6	....
2	....	....	48.6	48.6	48.3	50.0	....	....	....	46.0	46.6	....
3	48.7	....	48.4	48.5	48.5	49.7	....	....	....	46.2	46.6	....
4	48.7	....	48.5	48.5	48.3	....	....	46.6	....	46.3	46.6	....
5	48.9	....	48.4	48.5	....	48.2	....	47.1	....	46.4	46.4	....
6	48.7	....	48.4	48.6	48.7	....	....	47.6	....	46.7	46.5	....
7	....	....	48.5	48.6	48.7	....	....	....	....	46.8	46.7	....
8	....	....	48.4	....	48.9	....	....	....	....	46.7	46.6	....
9	49.1	....	48.6	48.5	48.8	....	....	....	....	47.0	46.7	....
10	48.6	....	48.5	48.2	49.1	48.0	....	....	....	47.2	46.7	....
11	48.6	....	48.5	48.3	49.0	....	....	....	....	47.0	46.7	....
12	48.7	....	48.4	48.1	49.1	48.6	45.1	....	....	47.0	46.7	....
13	48.5	....	48.4	....	49.3	....	46.0	....	45.9	47.1	46.7	....
14	48.5	....	48.5	....	49.6	....	....	....	46.0	47.0	46.7	....
15	48.6	....	48.6	46.4	49.8	48.1	....	....	....	47.2	46.5	....
16	48.7	....	48.5	....	49.8	48.4	....	....	45.7	47.2	....	....
17	48.6	....	48.6	....	49.8	48.4	....	....	45.7	47.3	....	....
18	48.7	....	48.4	....	50.1	48.6	....	....	46.0	47.0	46.5	....
19	48.8	....	48.5	....	50.2	....	....	45.3	46.2	47.1	46.6	46.5
20	....	....	48.5	46.5	49.7	....	....	46.3	46.2	47.1	46.8	46.1

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	....	48.8	48.6	46.8	49.7	....	....	46.6	46.2	47.0	46.8	46.2
22	48.3	48.8	48.6	47.1	49.8	....	45.6	....	46.4	46.9	46.5	46.2
23	48.6	48.6	48.5	47.2	....	....	....	....	46.4	47.2	46.4	46.0
24	48.5	48.6	48.8	46.9	49.4	....	46.4	....	46.2	47.2	46.6	46.0
25	48.5	48.4	48.7	47.2	....	....	....	....	46.5	47.0	46.4	46.0
26	48.4	48.5	48.7	47.3	....	....	....	....	46.4	46.9	46.4	46.0
27	....	48.5	48.6	47.6	48.9	....	....	....	46.0	46.8	46.6	45.9
28	48.5	48.4	48.6	47.8	....	....	....	....	46.0	46.8	46.5	46.0
29	48.6		48.7	48.0	49.2	....	46.6	....	46.0	46.8	....	45.9
30	47.9		48.9	48.1	....	....	....	....	45.9	46.9	....	45.8
31	48.6		48.6		49.4		....	....		46.8		45.4

(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 33.1 above lsd, Apr. 6, 1950; lowest 16.1 above lsd, July 23, 1946. Records available: 1946-51.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.0	29.9	31.5	31.7	29.2	28.5	21.5	23.5	23.7	26.9	29.1	28.9
2	33.3	32.4	31.6	31.6	29.3	28.5	20.3	22.6	24.2	26.7	....	29.1
3	31.7	31.4	32.5	31.5	29.6	28.6	22.0	22.8	24.6	26.4	29.2	29.2
4	31.7	31.3	31.6	31.8	30.0	28.3	21.2	25.5	23.6	27.6	29.4	29.3
5	31.7	31.3	31.7	31.2	29.9	27.7	20.5	26.0	23.2	28.1	29.2	29.2
6	31.5	31.4	31.5	30.9	29.8	27.1	20.6	27.2	22.6	28.1	29.4	29.1
7	31.4	31.6	31.6	31.0	29.7	26.0	19.4	27.0	23.5	28.4	29.2	29.0
8	31.5	31.6	31.5	30.7	29.9	25.0	20.5	26.7	23.8	28.7	29.7	28.9
9	31.6	31.5	31.7	30.6	29.6	25.8	19.1	25.9	24.5	28.9	29.3	28.9
10	31.5	31.4	31.3	30.8	29.9	26.7	19.0	24.5	24.4	28.9	29.2	29.0
11	31.6	31.6	31.3	30.5	29.9	26.6	19.2	24.0	24.5	28.9	29.3	29.1
12	31.5	31.3	31.3	28.5	29.0	25.5	19.5	23.1	24.5	28.8	29.4	29.0
13	31.3	31.5	31.7	27.5	29.9	25.3	19.2	23.4	24.8	28.8	29.3	29.0
14	31.4	31.6	31.6	26.1	29.4	24.4	20.5	22.5	24.9	29.0	29.1	28.9
15	31.6	....	31.7	26.2	29.7	24.3	20.5	22.6	24.0	29.5	29.0	28.7
16	31.6	....	31.7	26.0	29.3	22.5	19.0	21.5	24.9	29.1	29.1	28.9
17	31.7	....	31.5	26.2	29.6	22.1	19.0	22.1	25.8	29.2	29.1	28.9
18	31.6	31.6	32.2	26.3	29.7	22.5	19.0	21.6	26.1	29.1	29.1	29.0
19	31.5	31.5	31.6	25.4	31.6	22.0	18.0	22.0	26.0	29.3	29.2	28.3
20	31.0	31.4	31.7	26.3	30.0	21.5	21.0	22.6	26.1	29.1	29.2	28.8
21	31.4	31.5	31.8	27.5	30.7	22.9	22.0	24.2	26.1	29.1	29.1	28.8
22	31.6	31.6	31.8	27.9	30.6	22.4	23.0	25.1	26.6	29.1	29.0	28.6
23	31.6	31.6	31.6	27.4	30.5	22.9	22.8	25.7	26.5	29.2	29.0	28.5
24	31.6	31.4	31.5	28.1	29.1	23.0	22.0	25.0	26.8	29.3	29.0	28.5
25	31.6	31.6	31.7	28.8	29.8	23.3	22.0	24.9	26.1	29.5	28.8	28.7
26	31.6	31.6	31.7	29.0	28.6	22.2	21.7	24.5	25.8	29.2	28.9	28.7
27	31.5	31.6	31.5	29.2	28.0	21.1	21.7	24.8	26.3	28.8	29.1	28.6
28	31.5	31.3	31.4	29.4	28.1	18.7	21.8	23.6	25.9	28.8	29.0	28.7
29	31.3		31.5	29.3	28.7	19.7	24.5	23.0	26.6	29.0	29.0	28.4
30	30.6		31.7	29.2	27.7	21.5	25.5	23.0	26.6	29.1	29.1	28.6
31	29.8		31.6		28.3		24.7	23.6		29.1		28.7

(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, 1946-51. Mar. 26, 7.39; Dec. 19, 9.01.

(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: 1936-51. Mar. 26, +48.6; Dec. 19, +47.0.

(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: 1936-51. Mar. 26, 14.24; Dec. 19, 16.23.

(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, 1936-51. Mar. 26, +10.9.

Layton District

(B-3-1)15aab-1. State claim 8156. Haights Bench Irrigation Co. Formerly Drought Relief Administration. 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 13.21 below lsd, May 26, 1946; lowest 16.35 below lsd, Dec. 11, 1935. Records available: 1935-51. Mar. 29, 13.40; Sept. 19, 13.25.

(B-4-1)34cbc-3. State claim 14733. Kaysville Canning Corp. Jetted industrial artesian well in alluvium, diameter 4 inches, depth 350 feet. Land-surface datum is 4,295.5 feet above msl. Highest water level 0.32 below lsd, Mar. 29, 1951; lowest 4.52 below lsd, May 26, 1946. Records available: 1937-51. Mar. 29, 0.32; Sept. 19, 1.71.

(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 32.7 above lsd, Apr. 13, 1938; lowest 18.2 above lsd, June 25, 1936. Records available: 1935-51. Mar. 29, +32.0.

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. Formerly Drought Relief Administration. 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 16.25 below lsd, Oct. 30, 1936. Records available: 1936-49, 1951. Oct. 9, 15.68.

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: 1935-51. Oct. 9, +11.1.

U(C-1-3)28dcd-1. D. H. Allred. Drilled unused artesian well in alluvium, diameter 5 inches, depth 30 feet. Highest water level 4.57 below lsd, Oct. 13, 1947; lowest 9.52 below lsd, Sept. 23, 1940. Records available: 1939-51. Oct. 8, 6.65.

U(C-1-4)28dcc-1. State claim 8170. State of Utah. Formerly Drought Relief Administration. 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: 1939-51. Oct. 8, 3.75.

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 4.19 below lsd, Oct. 9, 1951. Records available: 1935-43, 1945-47, 1949-51. Oct. 9, 4.19.

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: 1939-51. Oct. 8, +2.88.

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 102.33 below lsd, Sept. 5, 1939. Records available: 1936, 1939-40, 1942-51. Oct. 8, 101.34.

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: 1936-51. Oct. 8, 128.21.

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 176.80 below lsd, Dec. 10, 1947. Records available: 1947-51. Mar. 25, 166.09; Aug. 1, 167.76.

(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: 1946-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	27.30	Mar. 25	29.37	July 5	32.70	Sept. 24	32.86
20	28.39	28	29.33	10	38.23	Oct. 5	32.36
Feb. 5	28.27	Apr. 7	29.47	25	32.26	17	32.56
11	28.17	16	30.52	31	30.81	Nov. 3	31.55
21	28.71	26	29.80	Aug. 5	34.00	28	31.17
Mar. 3	28.83	May 10	29.79	14	33.30	Dec. 8	31.09
8	28.54	23	29.64	Sept. 6	31.90	10	31.37
21	29.31	June 2	29.73				

(C-36-3)7aac-1. Lillie Stead. Dug domestic water-table well in alluvium, diameter 6 feet, depth 13 feet, rock-lined. Highest water level 1.69 below lsd, Mar. 17, 1942; lowest 10.54 below lsd, Mar. 25, 1951. Records available: 1938-51. Mar. 25, 10.54; Dec. 8, 8.09.

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: 1937-51. Mar. 25, 48.12; Dec. 9, 52.30.

(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: 1935-51. Mar. 26, 17.18; Dec. 9, 18.75.

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, 1946-51. Aug. 7, 12.84; Oct. 11, 12.81.

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: 1946-51.

(D-22-24)29cbc-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	20.02	May 31	19.62	Sept. 7	22.34	Nov. 1	23.11
Feb. 27	19.73	June 29	20.64	Oct. 3	22.50	28	21.62
Apr. 3	19.61	July 31	21.79	11	22.42	Dec. 29	21.41
May 4	19.48						

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 34.96 below lsd, June 30, 1949; lowest 38.25 below lsd, Sept. 30, 1949. Records available: 1946-51.

Feb. 1	37.93	May 31	37.18	Sept. 3	37.02	Nov. 1	37.70
Mar. 1	37.91	July 4	36.31	Oct. 3	37.49	Dec. 3	37.74
Apr. 1	37.99	Aug. 3	36.59	11	37.55	31	37.99
May 3	37.91						

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 20.66 below lsd, Dec. 7, 1947. Records available: 1937-51. Mar. 21, 19.31; Dec. 6, 20.25.

(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: 1938-51. Mar. 20, 21.94.

(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 73.23 below lsd, Aug. 31, 1951. Records available: 1937-51.

Jan. 31	51.46	May 2	58.59	July 9	71.05	Oct. 3	70.40
Mar. 2	51.26	28	63.50	Aug. 3	71.98	31	65.18
20	48.26	June 1	66.57	23	72.82	Nov. 30	60.04
31	53.52	July 2	67.96	31	73.23		

(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 28.80 below lsd, Aug. 31, 1951. Records available: 1937-51.

Jan. 30	13.91	May 2	22.01	Aug. 3	26.50	Oct. 31	21.36
Mar. 2	13.90	June 1	24.53	31	28.80	Nov. 30	21.06
21	19.31	July 2	25.80	Oct. 3	24.46	Dec. 6	20.25
31	20.20						

(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 10.07 below lsd, Feb. 19, 1938. Records available: 1937-51. Mar. 21, 7.51.

(C-35-11)21dbd-1. State claim 1222. Ezra Rollo. Formerly D. C. Urie. 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 31.81 below lsd, Oct. 31 and Nov. 30, 1951. Records available: 1939-51.

Jan. 30	27.27	Apr. 29	27.10	July 31	29.73	Oct. 31	31.81
Feb. 28	29.97	May 31	27.43	Aug. 31	30.57	Nov. 30	31.81
Mar. 31	26.75	June 30	28.96	Sept. 30	31.45	Dec. 31	31.61

(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: 1931-51. Mar. 21, 29.38; May 23, 33.68; July 8, 54.00 pumping; Aug. 23, 40.60; Dec. 6, 35.70.

(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 52.42 below lsd, Nov. 30, 1951. Records available: 1931-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	42.76	May 23	a57.50	Aug. 3	a58.98	Oct. 31	52.36
Mar. 2	42.70	June 1	a56.64	24	a60.70	Nov. 30	52.42
31	41.96	July 2	a58.86	31	a61.10	Dec. 6	50.29
May 2	a53.81	9	a58.40	Oct. 3	a60.69		

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 32.94 below lsd, Dec. 6, 1951. Records available: 1930-51. Mar. 21, 24.49; Dec. 6, 32.94.

(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 79.82 below lsd, Oct. 3, 1951. Records available: 1930-51.

Jan. 31	66.50	Mar. 31	65.76	Oct. 3	a79.82	Nov. 30	75.52
Mar. 2	65.13	June 1	a72.47	31	a78.98	Dec. 6	74.98
21	64.82						

a Pumping.

(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 17.49 below lsd, Dec. 7, 1951. Records available: 1936-51. Mar. 21, 16.29; Dec. 7, 17.49.

(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: 1935-51.

Jan. 31	55.97	May 2	59.63	Aug. 3	67.26	Oct. 31	67.58
Mar. 2	55.88	June 1	61.24	31	67.29	Nov. 30	66.74
31	55.90	July 2	63.53	Oct. 3	68.07	Dec. 6	62.83

(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 22.77 below lsd, Oct. 31, 1951. Records available: 1936-51. Jan. 31, 15.76; Mar. 2, 15.58; Mar. 21, 15.17; Mar. 31, 15.72; Oct. 17, 23.50; Oct. 31, 22.77; Nov. 30, 21.60; Dec. 7, 20.65.

(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: 1940-51. Mar. 22, 1.86; Dec. 7, 2.57.

(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 6.98 below lsd, Apr. 2, 1945; lowest 10.30 below lsd, Dec. 2, 1940. Records available: 1938-51. Mar. 22, 8.41; Dec. 7, 9.83.

(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: 1937-51. Mar. 22, 66.37; Dec. 7, 67.78.

Escalante Valley

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

(C-31-13)1a-1. State claim 6486. Cook Bros. Formerly Public Land. 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. Oct. 13, 27.50.

(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, 1948-51. Aug. 29, 60.20.

(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 15.69 below lsd, July 10, 1949; lowest 17.10 below lsd, May 5, 1939. Records available: 1939-43, 1945-51. Oct. 13, 15.92.

(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 85.34 below lsd, Sept. 29, 1950, July 11, 1951. Records available: 1949-51. Mar. 24, 85.08; July 11, 85.34.

(C-33-15)31cbb-1. Jesse Carlson. Drilled domestic water-table well in alluvium, diameter 8 inches, depth 53 feet. Highest water level 25.17 below lsd, Oct. 13, 1951; lowest 26.98 below lsd, Oct. 10, 1946. Records available: 1936-51. Mar. 24, 25.82; July 11, 25.91; Oct. 13, 25.17.

(C-34-14)31ccc-1. U. S. Geol. Survey. 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 12.85 below lsd, Apr. 19, 1949; lowest 15.26 below lsd, Aug. 29, 1946. Records available: 1939-43, 1945-51. Mar. 21, 13.39; Aug. 24, 14.32.

(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 6.20 below lsd, June 26, 1947; lowest 9.12 below lsd, Dec. 13, 1943. Records available: 1937-51. Mar. 24, 8.71; July 11, 8.77; Aug. 29, 8.97; Oct. 13, 9.08; Dec. 18, 9.95.

(C-34-16)28bcc-2. I. M. Matson. Formerly Fred Fisher. 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 12.28 below lsd, Aug. 25, 1951. Records available: 1935-51. Mar. 24, 11.07; May 25, 11.03; Aug. 25, 12.28; Oct. 13, 12.16; Dec. 18, 12.05.

(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 12.85 below lsd, Oct. 13, 1951. Records available: 1949-51. Mar. 24, 10.68; July 11, 56.50 pumping; Oct. 13, 12.85; Dec. 18, 11.54.

(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, 1948-51. Mar. 21, 14.24; Oct. 13, 18.32; Dec. 18, 17.75.

(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 16.69 below lsd, Sept. 10, 1949. Records available: 1937-45, 1949-51. Mar. 24, 16.21; Aug. 25, 22.15, nearby well being pumped.

(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 13.20 below lsd, Oct. 8, 1946. Records available: 1935-51. Mar. 21, 12.02; Dec. 17, 12.79.

(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: 1936-51. Mar. 21, 13.27; Aug. 24, 17.15; Dec. 17, 13.58.

(C-35-15)6cdd-1. Frank Bridel. Drilled unused water-table well in alluvium, diameter 12 inches, depth 170 feet. Land-surface datum is 5,139.0 feet above msl. Highest water level 11.40 below lsd, May 23, 1937; lowest 14.92 below lsd, Oct. 13, 1951. Records available: 1936-51. Mar. 21, 13.65; Oct. 13, 14.92; Dec. 17, 14.54.

(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, 1949-51. May 25, 53.10 pumping; Aug. 24, 55.20 pumping; Dec. 17, 14.92.

(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: 1949-51. Mar. 24, 24.55; Aug. 24, 27.10; Dec. 17, 25.40.

(C-35-15)28bdc-1. State application 15593. E. J. Graff. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 160 feet, cased to 180. Highest water level 31.30 below lsd, June 12, 1950; lowest 39.93 below lsd, Dec. 18, 1951. Records available: 1949-51. Mar. 24, 39.27; Aug. 24, 37.10; Dec. 18, 39.93.

(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 27.57 below lsd, Oct. 13, 1951. Records available: 1937-39, 1949-51. Mar. 24, 24.38; July 10, 25.95; Aug. 25, 27.47; Oct. 13, 27.57; Dec. 18, 26.31.

(C-35-16)14ddc-1. John McGary. Formerly Jasper White. 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 24.30 below lsd, Dec. 17, 1951. Records available: 1948-51. Mar. 24, 23.00; Oct. 13, 33.40 pumping; Oct. 14, 24.30; Dec. 17, 24.30.

(C-35-16)15abb-1. H. G. Dewey. Formerly Iron County School District. 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 24.73 below lsd, Aug. 27, 1951. Records available: 1937, 1949-51. Mar. 24, 22.28; May 25, 22.80; Aug. 27, 24.73; Oct. 13, 24.32; Dec. 17, 24.27.

(C-35-16)16bbc-1. State application 16835. Marion Beckstrom. Formerly Earl Lewis. 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 25.04 below lsd, Aug. 27, 1951. Records available: 1947, 1949-51. Mar. 24, 22.47; Aug. 27, 25.04; Oct. 13, 24.50; Dec. 18, 23.93.

(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 feet. Land-surface datum is 5,161.9 feet above msl. Highest water level 19.69 below lsd, May 24, 1937; lowest 31.40 below lsd, Dec. 17, 1951. Records available: 1937-40, 1942, 1949-51.

Daily noon water level from recorder graph *

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Dec.
1	.....	.....	27.87	28.38	29.73	30.42	30.68	30.47	.....
2	.....	.....	27.88	28.42	29.77	30.56	30.67	30.52	.....
3	.....	.....	27.91	28.43	29.87	30.50	30.73	.....	.....
4	.....	.....	27.88	28.45	29.85	30.47	30.71	.....	.....
5	.....	.....	27.89	28.50	29.93	30.52	30.57	.....	.....
6	.....	.....	27.88	28.54	29.96	30.52	30.61	.....	.....
7	.....	.....	27.96	28.60	29.93	.....	30.64	.....	.....
8	.....	.....	28.00	28.63	29.93	.....	30.64	.....	.....
9	.....	.....	28.05	28.68	30.03	.....	30.64	.....	.....
10	.....	.....	28.06	28.73	30.07	.....	30.63	.....	.....
11	.....	.....	28.07	28.77	30.12	.....	30.62	.....	.....
12	.....	27.55	28.13	28.82	30.15	.....	30.58	.....	.....
13	.....	27.57	28.14	28.92	30.13	.....	30.60	30.58	.....
14	.....	27.58	28.15	28.95	30.22	.....	30.59	.....	.....
15	.....	27.60	28.19	29.17	30.19	.....	30.54	.....	.....
16	.....	27.65	28.18	29.22	30.20	.....	30.50	.....	.....
17	.....	27.64	28.17	29.27	30.28	.....	30.46	.....	31.40
18	.....	27.69	28.18	29.35	30.40	.....	30.47	.....	.....
19	.....	27.71	28.22	29.40	30.43	.....	30.48	.....	.....
20	.....	27.70	28.23	29.45	30.43	.....	30.48	.....	.....

(C-35-16)20dcc-1--Continued.

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Dec.
21	.....	27.77	28.24	29.49	30.40	.....	30.47	.....	.....
22	.....	27.77	28.27	29.53	30.33	.....	30.47	.....	.....
23	.....	27.81	28.24	29.57	30.32	.....	30.48	.....	.....
24	27.57	27.83	28.24	29.58	30.23	.....	30.49	.....	.....
25	.....	27.81	28.24	29.64	30.30	30.73	30.51	.....	.....
26	.....	27.82	28.24	29.67	30.32	30.78	30.51	.....	.....
27	.....	27.86	28.30	29.70	30.36	30.79	30.54	.....	.....
28	.....	27.87	28.26	29.72	30.51	30.79	30.54	.....	.....
29	.....	27.90	28.27	29.68	30.52	30.80	30.52	.....	.....
30	.....	27.87	28.31	29.69	30.48	30.76	30.51	.....	.....
31	.....		28.35		30.44	30.70		.....	.....

* No record for January, February, and November.

(C-35-16)28bcc. 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 34.10 below lsd, Oct. 14, 1951. Records available: 1948-51. Mar. 23, 31.16; May 25, 45.20 pumping; July 12, 45.50 pumping; Aug. 27, 45.60 pumping; Oct. 14, 34.10; Dec. 18, 33.40.

(C-35-16)31abc1. 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 45.38 below lsd, Aug. 26, 1951. Records available: 1948-51. Mar. 24, 39.71; May 25, 41.16; Aug. 26, 45.38; Oct. 13, 43.80; Dec. 20, 42.21.

(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 50.60 below lsd, Aug. 20, 1949. Records available: 1949-51. Mar. 23, 48.06; Dec. 18, 49.07.

(C-35-17)13bdc-1. State claim 14228. Austin 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 39.01 below lsd, Aug. 17, 1951. Records available: 1937-42, 1949-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.95	32.69	32.35	32.24	33.41	35.13	36.78	38.55	38.11	38.28	36.08	35.20
2	32.94	32.66	32.35	32.22	33.59	35.26	36.88	38.60	38.07	38.15	36.06	35.23
3	32.93	32.63	32.43	32.17	33.67	35.36	36.97	38.62	38.07	38.03	35.99	35.15
4	32.92	32.60	32.38	32.15	33.81	35.39	37.03	38.68	38.26	37.93	35.94	35.14
5	32.92	32.60	32.35	32.18	33.93	35.34	37.06	38.74	38.37	37.84	35.93	34.90
6	32.95	32.64	32.39	32.18	34.04	35.32	37.09	38.79	38.52	37.74	35.90	34.85
7	32.90	32.63	32.40	32.17	34.13	35.32	37.13	38.82	38.60	37.65	35.84	34.85
8	32.84	32.63	32.37	32.17	34.23	35.35	37.19	38.86	38.70	37.55	35.81	34.87
9	32.82	32.62	32.33	32.14	34.34	35.30	37.27	38.88	38.76	37.46	35.78	34.87
10	32.83	32.57	32.40	32.15	34.42	35.35	37.31	38.92	38.73	37.37	35.74	34.91
11	32.81	32.54	32.45	32.14	34.50	35.38	37.37	38.89	38.83	37.27	35.69	35.00
12	32.86	32.55	32.42	32.15	34.53	35.42	37.44	38.92	38.88	37.14	35.65	35.13
13	32.90	32.63	32.33	32.10	34.54	35.47	37.51	38.96	38.86	37.12	35.67	35.15
14	32.85	32.61	32.35	32.08	34.59	35.42	37.58	38.96	38.77	37.04	35.61	34.94
15	32.80	32.54	32.32	32.10	34.57	35.32	37.65	38.99	38.64	36.94	35.63	34.85
16	32.78	32.53	32.28	32.10	34.37	35.30	37.69	39.00	38.55	36.88	35.62	34.80
17	32.80	32.53	32.34	32.09	34.42	35.20	37.71	39.01	38.41	36.83	35.57	34.83
18	32.75	32.51	32.38	32.12	34.57	35.14	37.78	38.90	38.36	36.77	35.57	34.74
19	32.79	32.58	32.34	32.11	34.65	35.10	37.87	38.89	38.29	36.69	35.48	34.74
20	32.83	32.53	32.30	32.13	34.70	35.32	37.91	38.85	38.18	36.62	35.45	34.65
21	32.79	32.46	32.28	32.33	34.74	35.54	38.04	38.83	38.13	36.57	35.44	34.76
22	32.73	32.45	32.26	32.49	34.60	35.71	38.05	38.75	38.08	36.53	35.42	34.80
23	32.78	32.47	32.33	32.61	34.55	35.86	38.11	38.85	38.05	36.47	35.38	34.80
24	32.77	32.48	32.27	32.81	34.67	36.03	38.13	38.77	38.08	36.41	35.38	34.75
25	32.72	32.42	32.21	33.00	34.50	36.18	38.20	38.73	38.12	36.36	35.40	34.70
26	32.67	32.38	32.20	33.10	34.40	36.30	38.26	38.57	38.13	36.32	35.35	34.70
27	32.65	32.37	32.20	33.28	34.34	36.39	38.32	38.47	38.09	36.30	35.32	34.65
28	32.66	32.43	32.26	33.39	34.49	36.48	38.31	38.35	38.20	36.24	35.29	34.60
29	32.67		32.20	33.40	34.68	36.60	38.37	38.32	38.11	36.18	35.27	34.62
30	32.65		32.16	33.40	34.85	36.71	38.42	38.31	38.22	36.18	35.25	34.70
31	32.68		32.22		35.00		38.47	38.22		36.12		34.62

(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 55.83 below lsd, Dec. 10, 1951. Records available: 1949-51. Mar. 23, 54.66; July 12, 65.90 pumping; Oct. 15, 55.83; Dec. 10, 55.83.

(C-35-17)36dcc. 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 56.15 below lsd, Oct. 14, 1951. Records available: 1948-51. Mar. 23, 53.08; May 25, 53.70; Aug. 26, 55.87; Oct. 14, 56.15; Dec. 19, 55.51.

(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 107.33 below lsd, Dec. 18, 1951. Records available: 1949-51. Mar. 24, 106.55; May 25, 107.25; Dec. 18, 107.33.

(C-36-15)19ccc-1. State applications a2101 and a2085. Lonzo Christensen. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 210 feet. Land-surface datum is 5,233.2 feet above msl. Highest water level 75.30 below lsd, Mar. 12, 1948; lowest 88.82 below lsd, Aug. 26, 1951. Records available: 1947-51. Mar. 22, 82.53; Aug. 26, 88.82; Oct. 14, 86.75; Dec. 19, 84.62.

(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 41.00 below lsd, Oct. 14, 1951. Records available: 1947-51. Mar. 22, 38.70; May 25, 38.37; Aug. 29, 39.70; Oct. 14, 41.00; Dec. 18, 40.04.

(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 57.00 below lsd, Aug. 27, 1951. Records available: 1949-51. Mar. 23, 52.25; May 25, 53.22; Aug. 27, 57.00; Oct. 14, 55.70; Dec. 19, 54.77.

(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 60.70 below lsd, Aug. 28, 1951. Records available: 1948-51. Mar. 22, 55.63; May 25, 57.19; Aug. 28, 60.70; Oct. 14, 59.74.

(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 88.90 below lsd, Dec. 20, 1951. Records available: 1945-51. Mar. 23, 85.45; Aug. 28, 93.40 pumping; Dec. 20, 88.90.

(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 134.00 below lsd, Dec. 19, 1951. Records available: 1945-51. Mar. 22, 131.70; May 25, 132.15; Aug. 28, 133.30; Oct. 15, 133.82; Dec. 19, 134.00.

(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 99.10 below lsd, Oct. 15, 1951. Records available: 1945-51. Mar. 23, 94.98; Aug. 28, 142.70 pumping; Oct. 15, 99.10; Dec. 20, 98.10.

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: 1939-51. Mar. 20, 47.80; Dec. 5, 47.94.

(C-33-8)28bbb-1. State claim 15133. Tom Abbott. Formerly State of Utah. Drilled stock domestic artesian well in alluvium, diameter 4 inches, depth 350 feet, cased to 350. Land-surface datum is 5,782.2 feet above msl. Highest water level 9.70 below lsd, Mar. 16, 1946; lowest 13.25 below lsd, Dec. 6, 1947. Records available: 1940-51. Mar. 20, 11.91; Dec. 5, 12.16.

(C-33-9)34cbd-2. State claim 5694. Dee Robinson. Formerly Mary Marsden. 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 66.00 below lsd, Aug. 26, 1951. Records available: 1935-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	19.63	Apr. 29	a37.35	July 10	a65.60	Sept. 30	43.79
Feb. 25	19.14	May 24	a54.00	29	a61.36	Oct. 28	42.30
Mar. 20	19.03	27	a47.85	Aug. 22	a65.60	Nov. 25	31.35
25	20.77	June 24	a58.37	26	a66.00	Dec. 6	26.81

a 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 49.24 below lsd, Apr. 1, 1937. Records available: 1933-51. Mar. 20, 37.94; May 26, 68.70 pumping; July 11, 74.10 pumping; Aug. 22, 74.40 pumping.

(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: 1935-51.

Jan. 28	18.33	Apr. 29	18.10	July 29	19.81	Oct. 28	20.09
Feb. 25	17.32	May 27	18.30	Aug. 26	20.39	Nov. 25	20.29
Mar. 20	17.59	June 24	18.50	Sept. 30	20.39	Dec. 5	20.87
25	17.30						

(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: 1938-51.

Jan. 28	15.00	Mar. 25	14.79	June 24	14.19	Sept. 30	14.59
Feb. 25	14.90	Apr. 29	14.20	July 29	15.03	Oct. 28	16.15
Mar. 20	14.84	May 27	14.35	Aug. 26	15.57	Nov. 25	16.53

(C-34-9)10bdd-1. State claim 8801. Clair Rowley. Formerly Federal Land Bank. 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 63.30 below lsd, Aug. 23, 1951. Records available: 1937-51. May 24, 68.60 pumping; July 10, 69.60 pumping; Aug. 23, 63.30.

(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 57.80 below lsd, Aug. 23, 1951. Records available: 1948-51. Mar. 20, 51.11; May 24, 53.50; May 26, 53.70; July 10, 70.00 pumping; Aug. 23, 57.80 pumping; Dec. 5, 53.62.

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 50.44 below lsd, Mar. 11,1946; lowest 62.16 below lsd, June 20, 1936. Records available: 1935-51. Mar. 21, 54.52; Aug. 31, 55.13; Oct. 19, 56.24; Nov. 7, 57.15; Dec. 13, 55.58.

(D-11-1)9bbb-4. State claim 3099. J. L. and H. J. Fowkes. Jetted irrigation artesian well in alluvium, diameter 3 inches, depth 90 feet, cased to 75. Land-surface datum is 4,928.0 feet above msl. Highest water level 14.9 above lsd, Dec. 26, 1942; lowest 5.9 above lsd, Aug. 1, 1935. Records available: 1935-51. Dec. 13, +6.0.

(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 30.48 below lsd, Apr. 14, 1949; lowest 34.71 below lsd, Oct. 31, 1951. Records available: 1949-51. Feb. 23, 33.53; June 9, 33.99; Oct. 31, 34.71; Dec. 13, 47.28 pumped recently.

(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: 1935-51, Mar. 22, 27.50; June 9, 27.80; Oct. 18, 30.97; Dec. 13, 30.81.

(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. Mar. 22, 34.10; July 3, 18.22; Oct. 17, 35.13.

Snake Valley

(For other wells in this valley see Millard County.)

(C-11-16)6ccc. J. H. Guilmette. Jetted unused artesian well in alluvium, diameter 4 feet. Highest water level 15.67 below lsd, Nov. 18, 1938; lowest 23.04 below lsd, Oct. 17, 1949. Records available: 1938-51. Oct. 8, 20.72.

(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: 1938-51. Oct. 8, 3.07.

(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 19.78 below lsd, Oct. 11, 1943. Records available: 1938-48, 1950-51. May 26, 19.50; Oct. 9, 18.25.

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 4½ feet. Highest water level 16.12 below lsd, Mar. 10, 1948; lowest 17.76 below lsd, Mar. 11, 1943. Records available: 1941-51. Mar. 12, 16.72; Dec. 10, 16.59.

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 5.26 below lsd, Dec. 5, 1949; lowest 18.20 below lsd, Apr. 21, 1938. Records available: 1936-51. July 4, 7.33; Nov. 6, 6.85; Dec. 3, 6.74.

(C-20-5)13dad-1. C. H. Day. Drilled unused artesian well in alluvium, diameter 5 inches, depth 175 feet. Highest water level 36.47 below lsd, Dec. 3, 1951; lowest 47.73 below lsd, Mar. 25, 1941. Records available: 1937-51. Mar. 20, 37.46; Dec. 3, 36.47.

(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 12.3 above lsd, Mar. 20, 1950; lowest 5.6 above lsd, Oct. 3, 1937. Records available: 1936-51. Mar. 20, +12.3; Dec. 3, +11.2.

(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, 1950-51. Mar. 21, 2.60; Dec. 3, 5.88.

(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 above lsd, Feb. 24, 1949; lowest 25.16 below lsd, Sept. 19, 1935. Records available: 1929-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	1.29	5.26	.....	14.83	16.43	.....	.....	.....	13.69	.....
2	....	....	1.52	7.00	.....	15.52	16.41	.....	.....	.....	13.63	.....
3	2.54	....	1.53	....	.....	15.50	.....	.....	.....	.....	13.60	10.01
4	2.52	....	1.50	....	.....	15.35	.....	.....	17.86	.....	13.50	.....
5	2.54	....	....	9.24	.....	.....	.....	.....	.....	.....	.....	.....
6	3.03	....	1.52	9.18	.....	15.45	.....	.....	.....	.....	.....	.....
7	2.61	....	1.55	9.30	.....	15.50	.....	.....	.....	.....	13.40	.....
8	2.50	....	1.52	9.76	.....	.....	.....	.....	.....	17.96	.....	.....
9	2.38	....	1.33	9.90	.....	.....	.....	.....	.....	.....	.....	.....
10	....	....	1.38	9.90	.....	.....	.....	.....	.....	.....	.....	.....
11	2.30	....	1.48	9.92	13.76	.....	.....	.....	.....	18.05	.....	.....
12	2.28	....	1.45	10.20	13.34	.....	.....	.....	.....	18.01	.....	.....
13	2.32	....	1.38	10.54	13.90	.....	16.90	.....	.....	18.00	.....	.....
14	2.30	....	1.42	....	13.95	.....	16.71	.....	18.27	17.97	.....	.....
15	2.26	....	1.36	....	13.84	.....	16.76	.....	18.53	17.86	.....	.....

(C-21-5)21aba-1.--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	2.15	....	1.38	....	14.00	15.93	16.96	.....	17.75	.....	.....	.....
17	2.17	1.57	1.45	....	14.10	16.00	16.80	.....	18.25	.....	.....	.....
18	....	1.52	1.51	....	.....	16.03	.....	.....	18.30	.....	.....	.....
19	2.16	1.57	1.44	....	.....	15.75	.....	.....	17.78	.....	.....	.....
20	2.23	1.62	....	....	14.12	15.73	.....	.....	.....	.....	.....	.....
21	2.18	1.48	1.40	....	14.17	16.10	.....	.....	.....	.....	.....	.....
22	2.07	1.43	1.38	....	14.70	16.10	.....	.....	.....	.....	.....	.....
23	2.02	1.47	1.50	....	14.28	.....	16.56	17.54	.....	.....	.....	.....
24	....	....	1.66	....	14.39	.....	16.57	17.82	.....	.....	.....	.....
25	2.13	....	1.76	....	14.46	.....	16.67	18.09	.....	.....	.....	.....
26	....	1.37	1.80	....	15.20	16.33	16.80	17.36	.....	.....	.....	.....
27	....	1.34	1.82	....	14.44	16.45	16.83	17.98	.....	.....	.....	.....
28	....	1.42	1.90	....	14.52	16.50	16.90	18.01	18.40	.....	.....	.....
29	....		2.06	....	14.46	16.56	16.63	17.90	.....	13.74	.....	.....
30	.....		2.10	....	15.10	16.53	17.00	18.26	.....	13.73	.....	.....
31	.....		4.04		15.32		.....	.....		13.71		.....

(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: 1942-51. Mar. 21, 30.55; Dec. 3, 37.81.

(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: 1943-51. Mar. 21, 33.70; Dec. 4, 38.11.

(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: 1943-51. Mar. 21, 53.05; Dec. 4, 58.14.

(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: 1943-51. Mar. 21, 24.70; Dec. 4, 24.98.

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: 1935-51. Mar. 19, 119.46; Dec. 3, 119.51.

(C-15-7)17dad-1. I. H. Losee. Jetted unused artesian well in alluvium, diameter $1\frac{1}{2}$ inches, depth 235 feet. Highest water level 3.42 above lsd, Mar. 24, 1937; lowest 2.10 above lsd, Dec. 2, 1942. Records available: 1937-51. Dec. 4, +2.63.

(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 9.3 above lsd, Apr. 1, 1950, Mar. 9, 1951; lowest 6.00 above lsd, Dec. 11, 1940. Records available: 1935-51. Mar. 19, +9.3; Dec. 4, +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: 1945-51. Mar. 19, +6.20; Dec. 4, +6.39.

(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 3.05 above lsd, Dec. 5, 1949; lowest 2.0 below lsd, Jan. 19, 1945. Records available: 1942-51. Mar. 20, +2.91; Dec. 4, +2.43.

(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 5.25 above lsd, Aug. 25, 1937. Records available: 1936-51. Dec. 4, +6.0.

(C-18-7)5aaa-2. State claim 7624. S. A. Webb. Jetted domestic stock artesian well in alluvium, diameter $1\frac{1}{4}$ inches, depth 320 feet, cased to 320. Highest water level 7.2 above lsd, Mar. 25, 1941; lowest 4.49 above lsd, July 12, 1948. Records available: 1935-51. Dec. 4, +5.12.

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 above msl. Highest water level 23.58 below lsd, Aug. 7, 1942; lowest 31.43 below lsd, Nov. 30, 1937. Records available: 1937-51. May 26, 28.64.

(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 70.84 below lsd, Oct. 10, 1951. Records available: 1934, 1936-40, 1951. Oct. 10, 70.84.

(C-23-19)9cdb-1. Thomas Dearden. Drilled unused artesian well in alluvium, diameter 5 inches, depth 270 feet, cased to 270. Highest water level 12.59 below lsd, Oct. 11, 1946; lowest 16.27 below lsd, Dec. 1, 1937. Records available: 1936-48, 1950-51. Oct. 10, 13.75.

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 16.80 below lsd, Dec. 27, 1951. Records available: 1936-40, 1942-51. Apr. 4, 16.04; Dec. 27, 16.80.

(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 17.00 below lsd, Apr. 12, 1947; lowest 26.09 below lsd, Aug. 30, 1940. Records available: 1939-51. Apr. 4, 17.17; Dec. 27, 19.37.

(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: 1936-51. Apr. 4, 21.89; Dec. 27, 21.46.

(A-4-3)31cab-1. State claim 12410. Como Springs Resort Co. 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: 1937-51. Apr. 4, 2.15; Dec. 27, 2.13.

(A-4-4)30aac-2. State claim 5670. J. A. Millyard. Dug unused water-table well in alluvium, diameter 12 inches, depth 14 feet. Highest water level 9.51 below lsd, Apr. 4, 1951; lowest 11.90 below lsd, Mar. 30, 1946. Records available: 1940-51. Apr. 4, 9.51; Sept. 13, 10.03; Dec. 27, 10.20.

(A-5-1)27db. E. R. France. Drilled unused artesian well in alluvium, diameter 6 inches, depth 150 feet. Highest water level 0.21 below lsd, Mar. 31, 1943; lowest 1.95 below lsd, Feb. 7, 1938. Records available: 1936-51. Apr. 4, 0.87; Sept. 13, 0.31; Dec. 27, 0.62.

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 3.24 above lsd, Apr. 9, 1937. Records available: 1937-51. Mar. 6, +3.55; Dec. 9, +4.18.

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 2 feet, 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: 1935-51. Mar. 26, 24.79; Dec. 9, 21.70.

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 13.42 below lsd, July 31, 1939; lowest 17.99 below lsd, Apr. 9, 1940. Records available: 1937-51. Oct. 29, 13.82.

(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, 1950-51. Oct. 29, 3.58.

(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: 1936-51. Oct. 29, +7.85.

(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. Oct. 29, 15.16.

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 25.89 below lsd, Oct. 29, 1951; lowest 29.82 below lsd, Oct. 19, 1948. Records available: 1948-51. Oct. 29, 25.89.

(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: 1946-51. Oct. 29, 16.46.

(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 13.69 below lsd, Apr. 10, 1940. Records available: 1937-51. Oct. 29, 9.45.

(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 8.96 below lsd, Oct. 22, 1945; lowest 16.55 below lsd, Jan. 22, 1941. Records available: 1936-51. Oct. 29, 9.37.

(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 8.86 below lsd, Oct. 22, 1945; lowest 13.80 below lsd, Oct. 6, 1942. Records available: 1936-51. Oct. 29, 8.97.

(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: 1937-51. Oct. 29, 7.33.

(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: 1936-51. Oct. 29, 7.28.

Salt Lake County - Jordan Valley

(B-1-2)36baa-1. State claim 18176. E. J. Jeremy. Jetted stock artesian well in alluvium, diameter 2 inches, depth 464 feet. Land-surface datum is 4,223.6 feet above msl. Highest water level 15.5 above lsd, Dec. 16, 1944; lowest 10.94 above lsd, Mar. 20, 1933. Records available: 1931-33, 1941-51. Apr. 2, +15.2.

(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, 1935-51. Apr. 2, +19.0; Dec. 28, +21.5.

(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 16.3 above lsd, Dec. 9, 1948; lowest 8.7 above lsd, July 15, 1936. Records available: 1931-32, 1934-51. Apr. 2, +12.5.

(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: 1931-51. Apr. 2, 22.33; Dec. 28, 20.96.

(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 3.31 below lsd, Dec. 28, 1951; lowest 40.91 below lsd, Apr. 13, 1936. Records available: 1931-51. Apr. 2, 11.26; Dec. 28, 3.31.

(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 134.26 below lsd, June 16, 1949; lowest 156.26 below lsd, Jan. 20, 1935. Records available: 1934-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	137.95	.....	137.00	136.81	136.75	136.74	137.00	137.95	138.61	138.14	.....	.....
2	137.86	.....	137.00	136.72	137.10	136.73	137.13	137.99	138.64	138.14	.....	.....
3	137.98	137.57	137.12	136.63	137.05	136.72	137.13	138.00	138.66	138.24	.....	.....
4	137.93	137.53	137.02	136.64	136.97	136.69	137.17	138.04	138.66	.....	.....	.....
5	138.03	137.55	136.95	136.75	136.99	136.69	137.15	138.06	138.68	.....	.....	.....
6	138.03	137.61	137.04	136.78	136.95	136.69	137.23	138.07	138.70	.....	.....	.....
7	138.02	137.54	137.15	136.77	137.05	136.72	137.26	138.10	138.75	.....	139.46	.....
8	137.92	137.60	137.02	136.81	137.00	136.80	137.28	138.10	138.76	.....	.....	.....
9	137.98	137.53	136.91	136.76	136.99	.....	137.27	138.15	138.78	.....	.....	.....
10	137.97	137.43	137.13	136.81	136.92	.....	137.32	138.18	138.74	139.10	.....	.....
11	137.95	137.39	137.19	136.83	136.88	136.77	137.42	138.20	138.84	.....	.....	.....
12	137.76	137.43	137.13	136.83	136.86	136.76	137.44	138.24	138.84	.....	.....	.....
13	137.94	137.48	136.95	136.78	136.81	136.79	137.45	138.26	138.95	.....	.....	.....
14	137.79	137.46	136.92	136.83	136.82	136.81	137.48	138.32	138.93	.....	139.58	139.60
15	137.65	137.29	136.82	136.84	136.77	136.78	137.50	138.32	138.99	.....	.....	.....
16	137.74	137.20	136.85	136.78	136.84	136.79	137.55	138.84	138.96	.....	.....	.....
17	137.69	137.13	136.80	136.73	.....	136.90	137.55	138.36	138.96	.....	.....	.....
18	137.65	137.14	136.97	136.74	.....	136.85	137.59	138.37	138.97	139.30	.....	139.75
19	137.67	137.35	136.88	136.74	.....	136.87	137.58	138.38	.....	.....	.....	.....
20	138.11	137.18	136.85	136.87	.....	136.84	137.62	138.40	.....	.....	.....	.....
21	138.07	137.15	136.80	137.02	.....	136.87	137.65	138.43	.....	.....	.....	.....
22	138.04	137.10	136.89	.....	.....	136.88	137.72	138.40	.....	.....	.....	.....
23	138.09	137.19	136.94	.....	.....	136.94	137.73	138.41	.....	.....	.....	.....
24	138.01	137.19	136.88	.....	136.76	136.89	137.72	138.47	.....	139.33	.....	.....
25	137.95	137.12	136.85	.....	136.75	136.99	137.77	138.47	.....	139.40	.....	.....
26	137.99	137.08	136.77	.....	136.69	136.97	137.82	138.46	.....	139.41	.....	.....
27	138.00	137.05	136.77	.....	136.70	137.03	137.80	138.43	.....	.....	.....	.....
28	138.07	137.16	136.83	137.00	136.69	137.03	137.84	138.49	.....	.....	.....	.....
29	138.01		136.79	136.91	136.68	137.07	137.90	138.52	.....	.....	.....	.....
30	137.78		136.72	.....	136.58	137.08	137.94	138.57	.....	.....	.....	.....
31	137.90		136.77		136.67		137.93	138.62		139.51		.....

(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: 1934-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.64	57.08	57.15	57.39	57.49	57.10	57.78	57.96	57.64	57.48	57.08	57.13
2	56.66	.....	57.15	57.40	57.49	57.10	57.81	57.96	57.64	57.44	.....	57.16
3	56.68	.....	57.17	57.40	57.49	57.13	57.83	57.96	57.64	57.41	.....	.....
4	56.68	.....	57.17	57.40	57.49	57.15	57.85	57.96	57.62	57.39	.....	.....
5	56.72	.....	57.19	57.39	57.46	57.20	.....	57.96	57.61	57.35	.....	57.16
6	56.74	.....	57.19	57.40	57.43	57.23	.....	57.95	57.61	57.20	57.07	.....
7	56.77	57.09	57.21	57.40	57.39	57.39	.....	57.90	57.61	57.26	57.08	.....
8	56.78	57.09	57.21	57.39	57.34	57.40	.....	57.85	57.61	57.25	57.08	.....
9	56.81	57.09	57.20	57.39	57.30	57.45	.....	57.85	57.60	57.23	57.08	.....
10	56.84	57.09	57.20	57.37	57.17	57.45	57.90	57.85	57.59	57.22	57.08	.....
11	56.84	57.08	57.20	.....	57.13	57.47	57.90	57.84	57.59	57.20	57.08	57.20
12	56.85	57.06	57.20	.....	57.11	57.48	57.91	57.84	57.66	57.20	57.09	57.22
13	56.88	57.04	57.20	.....	57.08	57.56	57.91	57.85	57.61	57.27	57.10	57.23
14	56.89	57.04	57.21	.....	57.05	57.59	57.92	57.80	57.60	.....	57.10	57.24
15	56.90	57.04	57.22	.....	57.04	57.59	57.93	57.80	57.59	.....	57.10	57.25
16	56.90	57.04	57.22	.....	57.00	57.60	57.94	57.80	57.57	.....	57.10	57.25
17	56.92	57.04	57.22	.....	57.00	57.63	57.95	57.80	57.54	.....	57.10	57.25
18	56.92	57.04	57.22	.....	57.00	57.64	57.95	57.80	57.53	57.06	57.10	57.26
19	56.93	57.04	57.23	57.40	57.00	57.64	57.95	57.80	57.49	57.06	57.10	.....
20	56.94	57.07	57.23	57.41	57.00	.....	57.95	57.80	57.49	57.04	57.10	57.23
21	.....	57.09	57.24	57.44	57.00	57.60	57.95	57.80	57.49	57.04	57.10	57.20
22	.....	57.09	57.24	57.45	57.00	.....	57.96	57.79	57.50	57.04	.....	57.23
23	.....	57.09	57.22	57.45	57.00	.....	57.96	57.79	57.50	57.04	.....	57.24
24	57.04	57.09	57.20	57.48	57.04	.....	.....	57.78	57.50	57.04	.....	57.24
25	57.04	57.10	57.24	57.48	57.03	.....	.....	57.77	57.51	57.04	.....	57.25

(D-1-1)16caa-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	57.04	57.11	57.27	57.49	57.03	.....	57.98	57.75	57.52	57.05	.....	57.27
27	57.04	57.11	57.31	57.49	57.03	57.75	57.98	57.75	57.51	57.07	57.13	57.30
28	57.06	57.15	57.34	57.49	57.06	57.75	57.98	57.75	57.51	57.07	57.13	57.30
29	.....		57.34	57.49	57.08	57.76	57.98	.....	57.50	57.07	57.13	57.30
30	.....		57.34	57.49	57.09	57.77	57.98	57.65	57.49	.....	57.13	57.31
31	57.08		57.37		57.10		57.97	57.65		57.08		57.32

(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 5.20 above lsd, Sept. 24, 1942; lowest 9.35 below lsd, Nov. 5, 1934. Records available: 1931-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	+1.08	Apr. 30	-0.67	July 31	+0.42	Oct. 29	+1.35
Feb. 28	+.42	May 30	.....	Aug. 22	+1.33	Nov. 30	+.83
Mar. 26	-.42	June 28	+.50	Sept. 22	+1.40	Dec. 31	+.40

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. Oct. 12, 15.65.

(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. Oct. 12, 279.24.

(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: 1946-51. Aug. 9, 30.89; Oct. 12, 30.79.

(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, 1940; lowest 101.33 below lsd, Oct. 15, 1947. Records available: 1946-51. Aug. 9, 101.24; Oct. 12, 101.10.

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. Oct. 12, 176.06.

(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 44.81 below lsd, Oct. 16, 1947. Records available: 1946-51. Aug. 8, 44.59; Oct. 12, 44.33.

(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. 28, 1944. Records available: 1942-51.

Jan. 5	15.64	Feb. 16	13.59	Sept. 7	14.70	Oct. 26	13.56
12	14.57	23	13.65	21	14.40	Dec. 7	14.56
19	12.49	Mar. 30	13.60	28	14.10	14	14.99
26	14.42	Aug. 10	14.87	Oct. 5	13.60	21	14.99
Feb. 2	13.85	24	14.73	12	12.85	28	14.85
9	14.26	31	15.24	19	12.95		

(D-36-22)27ddb-2. M. F. Lyman. Drilled unused artesian well in sandstone, diameter 5 inches, depth 150 feet, cased to 34. Highest water level 49.46 below lsd, Dec. 5, 1951; lowest 54.90 below lsd, Sept. 25, 1946. Records available: 1942-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	50.02	.....	.....	50.41	.....	50.18	.....	.....	50.17	50.25	50.01	50.21
2	50.29	50.80	.....	50.44	.....	50.33	.....	.....	50.16	49.90	50.37	49.98
3	50.27	50.65	.....	50.40	.....	50.33	.....	.....	50.13	49.88	50.36	50.14
4	50.47	50.44	.....	50.15	.....	50.33	.....	.....	50.13	49.96	50.23	49.91
5	50.50	50.13	.....	50.72	50.44	50.25	.....	.....	50.16	50.18	50.25	49.46
6	50.81	.....	.....	50.77	50.37	50.24	50.40	.....	50.16	50.40	50.39	49.71
7	50.80	.....	.....	50.52	50.44	50.19	50.35	.....	50.23	50.44	50.38	50.07
8	50.58	50.62	.....	50.27	50.31	50.30	50.18	50.11	50.21	50.46	50.19	50.20
9	50.35	.....	.....	50.37	50.44	50.44	50.16	50.13	50.16	50.47	50.23	50.46
10	50.50	.....	50.28	50.36	50.47	50.39	50.29	50.15	50.13	50.35	50.26	50.46
11	50.18	.....	50.65	50.54	50.29	50.36	50.41	50.23	49.87	50.12	50.05	50.48
12	50.20	50.12	50.74	50.58	.....	50.30	.....	50.24	50.12	49.99	49.81	50.28
13	50.46	50.20	50.37	50.51	.....	50.36	.....	50.25	50.23	50.21	49.96	49.93
14	50.70	50.62	50.45	50.32	50.25	50.42	50.50	50.23	50.28	50.30	49.57	50.24
15	50.70	50.49	50.73	50.32	50.38	50.36	50.41	50.25	50.28	50.14	50.08	50.39
16	50.30	50.37	49.93	50.43	50.43	50.36	50.42	50.29	50.40	50.05	50.38	50.19
17	50.42	50.38	50.23	50.27	50.34	50.36	50.42	50.20	50.27	50.14	50.53	50.11
18	50.40	50.22	50.47	50.33	50.38	50.46	50.41	50.18	50.17	50.30	50.36	50.05
19	50.17	50.23	50.47	50.32	50.40	50.36	50.32	50.11	50.14	50.27	50.31	49.57
20	50.60	.....	.....	50.22	50.33	50.31	.....	50.14	50.05	49.84	50.08	49.74
21	50.72	50.29	50.40	50.42	50.29	50.22	.....	50.09	50.21	49.90	49.99	50.10
22	50.42	50.15	50.25	50.56	50.42	50.20	.....	50.10	50.12	50.02	50.03	50.25
23	50.59	50.16	50.56	50.33	50.43	50.21	.....	50.05	50.04	50.31	50.06	50.28
24	.....	50.26	50.59	50.19	50.39	.....	.....	.....	50.14	50.05	49.94	50.10
25	50.66	50.17	50.46	50.21	50.45	.....	.....	50.11	50.10	50.02	50.29	50.29
26	50.44	50.24	50.17	50.26	50.44	.....	.....	50.07	50.08	50.03	50.41	50.51
27	50.27	50.01	50.01	50.47	50.43	.....	.....	49.99	50.17	50.19	50.38	50.50
28	50.20		50.28	50.31	50.37	.....	.....	50.06	50.13	50.20	50.29	50.26
29	.....		50.76	.....	50.33	50.30	.....	50.07	50.20	50.13	50.33	49.97
30	.....		50.18	.....	50.25	.....	.....	.....	50.30	50.03	50.31	49.42
31	.....		50.14		.....		.....	50.20		50.05		49.85

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: 1935-51. Mar. 27, 31.48; Dec. 11, 30.79.

(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: 1935-51. Mar. 27, 36.05; Dec. 11, 38.32.

Sanpete Valley

(D-15-3)8cda-3. State claim 13671. William Prestwich. Jetted stock artesian well in alluvium, diameter 1½ inches, depth 75 feet. Land-surface datum is 5,510.72 feet above msl. Highest water level 3.83 above lsd, Mar. 20, 1944; lowest 1.25 above lsd, Oct. 14, 1939. Records available: 1937-51. Mar. 28, +2.08; Dec. 12, +2.13.

(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: 1935-51. Mar. 28, 27.35; Aug. 19, 60.03 pumping; Dec. 12, 26.71.

(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: 1938-51. Mar. 28, 11.89; Dec. 13, 12.29.

(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 26.78 below lsd, Dec. 5, 1945; lowest 38.96 below lsd, Feb. 7, 1940. Records available: 1937-51. Mar. 28, 31.16; Dec. 13, 33.55.

(D-16-3)32ddc-2. George L. Beal. Jetted unused artesian well in alluvium, diameter 1½ inches, depth 145 feet, cased to 130. Land-surface datum is 5,461.5 feet above msl. Highest water level 22.8 above lsd, July 2, 1942; lowest 3.57 below lsd, June 18, 1936. Records available: 1935-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.3	12.0	11.5	11.1	10.6	....	7.8	8.3	11.4	10.4	11.6	....
2	12.3	....	11.6	11.1	10.6	....	7.5	7.5	11.5	10.7	11.7	....
3	12.3	11.8	11.3	11.0	10.7	....	7.0	6.8	11.7	10.6	11.8	11.0
4	12.3	12.0	....	11.1	10.8	10.2	8.1	7.2	11.7	11.0	11.8	11.3
5	12.2	11.9	....	11.2	10.8	10.4	8.3	8.4	11.8	11.1	11.8	11.2
6	12.2	11.8	11.5	11.2	10.7	10.4	8.3	9.5	11.6	11.1	11.8	11.1
7	12.4	11.8	11.3	11.2	10.7	10.7	7.8	10.3	10.5	11.1	11.8	11.0
8	12.3	11.8	11.5	11.2	10.8	10.7	7.8	10.8	10.5	11.0	11.6	....
9	....	11.7	11.5	11.1	11.0	10.9	7.6	10.1	....	11.0	11.6	....
10	12.2	11.8	11.2	11.0	10.8	9.9	8.5	11.1	11.2	11.2	11.7	....
11	12.2	11.9	11.3	11.1	9.4	9.1	7.7	11.2	11.3	11.4	11.7	10.8
12	12.3	11.9	11.4	11.2	9.3	9.5	7.1	11.2	11.5	....	11.6	10.6
13	12.1	11.7	11.3	11.2	....	9.0	6.8	10.6	11.4	....	11.5	10.7
14	12.2	....	11.4	11.1	....	9.3	7.0	10.1	10.1	11.2	11.3	10.5
15	12.2	....	11.4	11.2	....	9.4	7.1	9.4	10.1	11.5	11.3	10.6
16	12.2	....	11.1	11.1	10.2	10.0	7.0	10.1	10.6	11.8	11.4	10.5
17	12.1	....	11.1	10.9	10.3	10.3	...	8.9	11.0	11.8	11.4	10.6
18	12.1	....	....	11.0	10.4	10.6	...	9.7	11.0	11.9	11.4	10.6
19	12.1	11.8	....	11.0	10.4	11.0	...	10.4	11.2	12.0	11.6	10.4
20	12.0	11.8	....	10.9	8.8	9.8	...	9.9	11.4	12.1	11.3	10.5
21	12.1	11.7	....	10.9	8.7	8.8	...	10.2	11.4	11.9	11.0	10.5
22	12.2	11.7	11.2	11.0	8.6	...	...	10.7	11.5	12.1	11.3	10.6
23	12.0	11.6	11.3	10.9	...	...	...	10.8	11.5	12.1	11.2	10.5
24	12.0	11.6	11.3	10.8	...	...	...	11.1	....	12.1	....	10.4
25	12.0	11.7	11.4	10.8	9.4	9.0	...	11.3	11.6	11.9	....	....
26	....	11.8	11.4	11.0	9.7	8.6	...	11.6	11.5	11.8	10.9	10.2
27	....	11.7	11.2	10.9	10.1	7.8	7.6	10.6	11.5	11.6	11.0	10.3
28	....	11.6	11.1	10.8	10.3	8.8	7.8	10.1	11.5	11.6	11.0	10.3
29	....		....	....	10.4	8.9	7.6	10.4	10.1	11.7	....	10.4
30	....		....	....	10.5	7.5	7.5	10.8	9.9	11.9	....	10.5
31	12.1		....		10.5		6.9	11.1		11.7		10.4

(D-17-3)9cbd-1. State claim 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: 1935-51. Mar. 27, 38.29; Aug. 19, 55.00 pumping; Dec. 11, 38.86.

(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: 1935-51. Mar. 27, 79.25; Dec. 11, 76.14.

(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: 1935-51. Mar. 27, 7.79.

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 5.62 below lsd, Mar. 27, 1951. Records available: 1935-51. Mar. 27, 5.62; Dec. 11, 5.43.

(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: 1936-51. Mar. 27, +6.4; Dec. 10, +6.3.

(C-23-2)19dab-1. State claim 8447. Wm. Hallows. Jetted unused artesian well in alluvium, diameter 2 inches, depth 310. Highest water level 30.3 above lsd, Aug. 10, 1942; lowest 8.0 above lsd, Sept. 6, 1935. Records available: 1935-51.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	21.6	20.8	20.1	19.8	19.3	18.9	18.3	17.3	16.4	....
2	23.6	....	21.5	20.9	20.0	19.9	19.7	18.8	18.5	17.5	16.9	....
3	23.6	....	21.2	20.9	20.0	19.9	19.6	18.7	18.5	17.2	16.7	....
4	23.6	....	21.2	21.2	20.1	19.9	19.4	18.7	18.6	17.2	16.8	....
5	23.5	22.4	21.4	21.1	20.1	20.0	19.4	18.7	18.6	17.1	16.9	....
6	23.3	22.1	21.5	21.0	....	19.9	19.4	19.0	18.6	16.9	16.8	....
7	....	22.0	21.3	20.9	20.3	19.7	19.4	19.1	18.5	17.0	16.8	....
8	23.2	22.1	21.3	21.0	20.4	19.8	19.4	19.1	18.4	17.2	16.8	....
9	22.8	22.0	21.6	21.0	20.2	19.6	19.3	19.0	18.4	17.1	16.9	....
10	22.9	21.9	21.3	21.0	20.1	19.5	19.3	19.0	18.5	16.9	16.8	....
11	22.5	....	21.3	21.1	20.2	19.6	19.3	19.1	18.5	16.9	16.9	....
12	22.4	21.9	21.5	21.1	20.2	19.7	19.3	19.0	18.4	17.0	16.9	....
13	22.5	21.8	21.3	21.0	20.1	19.6	19.3	19.2	18.4	16.9	16.6	....
14	22.3	21.8	21.3	21.0	20.2	19.4	19.3	19.1	18.3	16.9	16.4	....
15	22.3	21.9	21.3	20.9	20.0	19.6	19.0	19.2	16.0	17.2	16.2	....
16	22.3	21.9	21.5	20.9	19.9	19.4	19.0	19.2	18.0	17.1	16.4	....
17	22.0	21.7	21.3	20.9	19.8	19.3	19.0	18.9	18.0	17.1	16.4	....
18	22.2	21.6	21.5	20.9	19.9	19.3	19.0	18.9	18.1	17.1	....	....
19	22.3	21.7	21.5	20.9	19.8	19.5	19.0	18.8	18.0	17.0	....	....
20	22.3	21.8	21.3	20.7	19.7	19.4	19.0	18.8	18.0	17.1	....	....
21	22.3	21.6	21.3	20.5	19.8	19.4	19.0	18.7	17.8	16.6	....	....
22	22.4	21.7	21.4	20.3	19.6	19.3	19.0	18.6	17.8	17.0	....	....
23	22.0	21.6	21.3	20.3	19.5	19.3	18.8	16.6	17.8	16.9	....	....
24	21.9	21.6	21.3	20.5	19.4	19.4	18.8	18.7	17.7	17.1	....	....
25	22.0	21.6	21.3	20.3	19.5	19.4	18.8	18.7	17.9	17.0	....	....
26	22.4	21.6	21.3	20.3	19.5	19.4	18.8	18.7	17.8	16.8	....	....
27	22.0	21.6	20.9	20.2	19.5	19.3	18.8	18.8	17.6	16.4	....	....
28	22.0	21.5	21.4	20.2	19.8	19.3	19.2	18.7	17.6	16.6	....	....
29	22.1		21.4	20.3	19.9	19.4	18.8	18.6	17.4	16.6	....	....
30	22.4		21.2	20.4	19.9	19.3	18.9	18.3	17.1	16.6	....	....
31	....		21.0		19.9		19.2	18.4		16.5		....

(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 6.4 above lsd, Mar. 26, 1951; lowest 2.80 above lsd, Aug. 22, 1939. Records available: 1935-51. Mar. 26, +6.4; Dec. 9, +5.6.

(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 53.15 below lsd, Mar. 21, 1941. Records available: 1939-51. Mar. 27, 50.97; Dec. 10, 51.95.

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: 1935-51. Mar. 26, +16.9; Dec. 9, +16.9.

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 17.95 below lsd, Mar. 9, 1942. Records available: 1938-51. Apr. 4, 16.98; Sept. 12, 3.89; Dec. 27, 16.91.

(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: 1938-51. Apr. 4, 7.98; Sept. 12, 4.16; Dec. 27, 7.53.

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 23.37 below lsd, Dec. 18, 1942; lowest 26.95 below lsd, Sept. 13, 1940. Records available: 1935-51. Mar. 30, 23.83; Dec. 21, 24.55.

(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: 1941-51. Mar. 30, 1922; Dec. 21, 19.26.

(C-9-5)6bca-1. State claim 8285. Vernon Irrigation Co. Formerly Drought Relief Administration. 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: 1936-51. Mar. 30, 17.12; Dec. 21, 17.45.

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: 1940-51. Mar. 30, 34.90; Dec. 18, 34.90.

(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: 1940-51. Mar. 30, 5.64; Dec. 18, 5.62.

(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 30.14 below lsd, Apr. 9, 1950; lowest 46.90 below lsd, Oct. 9, 1939. Records available: 1937-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.69	.....	31.22	31.00	31.18	31.36	33.00	.....	33.73	33.84	33.73	32.82
2	31.73	.....	31.16	31.00	31.23	31.39	33.02	.....	.....	33.81	33.73	32.86
3	31.73	31.52	31.27	30.96	31.22	31.42	33.09	.....	.....	33.83	33.68	32.87
4	31.70	31.45	31.21	30.89	31.17	31.36	33.15	.....	.....	33.81	33.63	32.85
5	31.76	31.42	31.14	30.92	31.18	31.36	33.15	33.01	.....	33.85	33.69	32.74
6	31.80	31.48	31.23	30.95	31.15	31.55	33.20	32.99	.....	33.87	33.67	32.83
7	31.82	31.45	31.26	30.95	31.21	31.78	33.23	32.98	.....	33.91	33.64	32.88
8	31.70	31.49	31.24	30.93	31.22	31.92	33.27	32.97	33.86	33.91	33.61	32.90
9	31.69	31.46	31.15	30.90	31.28	31.99	33.24	32.98	.....	33.85	33.62	32.91
10	31.67	31.40	31.24	30.96	31.28	31.96	33.23	.....	.....	33.89	33.50	32.89
11	31.63	31.38	31.28	.....	31.18	31.99	33.32	33.02	.....	33.76	33.47	32.89
12	31.67	31.37	31.25	.....	31.21	32.15	33.33	.....	.....	33.75	33.36	32.80
13	31.74	31.47	31.14	.....	31.22	32.25	33.37	.....	.....	33.79	33.43	32.74
14	31.74	31.47	31.14	30.96	31.23	32.31	33.37	.....	.....	33.79	33.32	32.81
15	31.65	31.37	31.08	31.02	31.28	32.29	33.21	.....	33.83	33.73	33.33	32.82
16	31.63	31.34	31.09	31.02	31.32	32.35	33.22	.....	.....	33.77	33.43	32.75
17	31.61	31.32	31.09	30.98	31.31	.....	33.32	.....	.....	33.77	33.39	32.76
18	31.58	31.30	31.15	31.22	31.31	.....	33.42	33.21	.....	33.77	33.33	32.68
19	31.62	31.36	31.12	31.26	31.34	.....	33.42	.....	.....	33.72	33.27	32.68
20	.....	31.34	31.06	31.29	31.30	.....	.....	.....	.....	33.68	33.20	32.75
21	31.64	31.27	31.04	31.40	31.31	.....	.....	..	.....	33.70	33.12	32.80
22	31.57	31.35	31.04	31.40	31.35	.....	33.26	..	33.79	33.71	33.11	32.74
23	31.60	31.36	31.11	31.37	31.26	.....	33.23	.....	.....	33.74	33.09	32.72
24	31.61	31.32	31.08	31.36	31.27	32.52	33.20	.....	.....	33.65	33.03	32.70
25	31.58	31.26	31.00	31.41	31.30	32.71	33.21	33.42	.....	33.68	33.11	32.72
26	31.51	31.25	30.95	31.21	31.24	32.76	33.23	.....	.....	33.76	33.08	32.75
27	31.47	31.22	30.95	31.26	31.23	32.83	33.22	.....	.....	33.83	33.03	32.71
28	31.50	31.29	31.03	31.12	31.23	32.89	.....	.....	.....	33.84	32.93	32.64
29	31.54		30.98	31.07	31.23	32.92	.....	.....	33.84	33.79	32.92	32.58
30	31.55		30.90	31.11	31.24	32.95	.....	.....	33.80	33.79	32.88	32.56
31	31.54		30.96		31.36		.....	.....		33.72		32.67

(C-2-5)5acc-3. A. Searle. Jetted unused artesian well in alluvium, diameter 3 inches, depth 153 feet. Highest water level 0.52 below lsd, May 21, 1942; lowest 1.42 below lsd, Oct. 4, 1940. Records available: 1940-42, 1944-51. Mar. 30, 0.68; Dec. 18, 0.89.

(C-2-5)25aab-1. State of Utah. Jetted stock artesian well in alluvium, diameter 2 inches, depth 300 feet. Highest water level 12.1 above lsd, Mar. 20, 1950 and Mar. 30, 1951; lowest 9.8 above lsd, Mar. 29, 1943. Records available: 1935-47, 1949-51. Mar. 30, +12.1; Dec. 18, +12.0.

(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 19.84 below lsd, May 20, 1942; lowest 23.15 below lsd, Aug. 5, 1940. Records available: 1940-51. Mar. 30, 19.80; Dec. 18, 19.59.

(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: 1937-51. Mar. 30, 31.06; Dec. 18, 30.77.

(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 75.26 below lsd, June 16, 1949; lowest 81.23 below lsd, Nov. 23, 1940. Records available: 1937, 1940-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	77.92	78.15	78.08	77.61	77.59	.....	.....	76.97	77.38	77.85	78.05	78.20
2	77.90	78.12	78.10	77.63	77.58	76.07	.....	.....	77.40	77.86	.....	78.25
3	77.95	78.12	78.14	77.62	77.51	75.87	.....	.....	77.42	77.89	78.00	78.21
4	77.95	78.09	78.12	77.61	77.45	75.80	.....	.....	77.44	77.91	77.97	78.24
5	78.00	78.09	.....	77.66	77.41	75.82	.....	.....	77.45	77.93	78.00	78.21
6	78.03	78.10	.....	77.66	77.36	75.78	.....	.....	77.48	77.95	78.01	78.25
7	78.02	78.07	78.20	77.70	77.34	75.79	.....	76.92	.....	77.96	78.00	78.26
8	.....	78.10	78.18	77.71	77.29	75.82	.....	76.93	.....	77.97	78.02	78.26
9	78.05	78.09	78.11	77.71	77.28	75.84	.....	76.95	77.54	.....	78.04	78.26
10	78.05	78.05	78.16	77.79	77.22	.....	.....	76.97	77.50	77.97	.....	78.26
11	78.07	78.07	78.16	77.79	77.14	75.80	.....	76.97	77.55	78.00	78.04	.....
12	78.12	78.09	78.09	77.81	77.12	75.78	.....	77.01	77.56	78.03	78.08	78.21
13	78.15	78.15	77.99	77.80	77.01	75.75	.....	77.03	77.57	78.05	78.10	78.20
14	78.13	78.14	.....	77.80	76.94	75.79	.....	.....	77.58	78.04	78.11	78.25
15	78.08	78.10	77.85	77.82	76.86	75.79	.....	.....	77.60	78.06	78.16	78.23
16	78.13	78.12	77.85	77.79	.....	75.77	.....	.....	.....	78.08	78.18	78.21
17	.....	78.10	77.85	77.77	.....	75.77	76.53	.....	.....	78.13	78.17	78.23
18	78.14	78.10	77.85	77.76	.....	.....	76.56	.....	.....	78.13	78.17	78.13
19	78.16	78.14	77.82	77.71	76.54	.....	76.60	.....	77.66	78.14	78.16	78.19
20	78.20	78.12	77.80	77.72	76.48	.....	76.66	.....	77.66	.....	78.15	78.21
21	78.19	78.08	77.73	77.74	76.45	.....	76.78	.....	77.72	.....	78.19	78.22
22	78.17	78.07	77.74	77.69	76.42	.....	76.82	.....	77.71	.....	78.21	78.19
23	78.18	78.09	77.71	77.66	76.39	.....	.....	77.24	77.74	.....	78.21	78.17
24	78.19	78.09	77.65	77.64	76.36	75.90	.....	77.25	77.77	.....	78.22	78.18
25	78.16	.....	77.57	77.60	76.32	.....	.....	77.25	77.77	.....	.....	78.17
26	78.15	78.08	77.54	77.61	76.38	.....	76.86	77.26	77.81	78.13	.....	78.17
27	.....	78.08	77.54	77.61	76.29	.....	76.89	77.29	77.82	78.13	78.23	.....
28	78.13	78.10	77.54	77.55	76.25	.....	76.90	77.32	77.82	78.09	78.24	78.10
29	78.13		77.52	77.55	76.17	.....	76.93	77.37	77.84	78.05	78.23	78.09
30	78.12		.....	77.58	76.12	.....	76.95	.....	77.85	78.05	78.23	78.04
31	78.15		77.56		.....		76.95	77.36		78.04		78.13

(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: 1940-51. Mar. 30, 52.36; Dec. 18, 53.19.

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: 1936-51. Oct. 9, 32.43.

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, 1949-51. Oct. 9, 10.87.

(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: 1939-51. Jan. 3, 11.64; Feb. 5, 12.95; Mar. 6, 14.01; Oct. 9, 8.35.

(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: 1948-51. Jan. 3, 18.90; Feb. 5, 19.31; Oct. 9, 17.65.

(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 10.23 below lsd, Feb. 5, 1951. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	10.05	Aug. 15	9.39	Oct. 10	9.76	Nov. 27	9.80
Feb. 5	10.23	Sept. 1	9.41	13	9.84	Dec. 8	9.76
Mar. 6	9.99	18	9.65	31	9.66	24	9.80
Aug. 6	9.46	Oct. 5	9.66				

(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 1.91 below lsd, Jan. 3, 1951; lowest 3.83 below lsd, Apr. 6, 1949. Records available: 1948-51. Jan. 3, 1.91; Feb. 5, 2.07; Mar. 6, 1.95; Oct. 10, 2.45.

(D-5-21)2dcb-1. State application 18666. 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: 1948-51. Jan. 3, 13.22; Feb. 5, 13.58; Mar. 6, 10.63; Oct. 10, 11.05.

Utah County - Cedar Valley

(C-6-2)29cac-1. Marsh Williams. Drilled unused artesian well in alluvium, diameter 4 inches. Land-surface datum is 4,676.3 feet above msl. Highest water level 6.2 above lsd, Dec. 18, 1945; lowest 3.42 above lsd, Mar. 24, 1944. Records available: 1943-50. No measurement made in 1951.

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: 1938-51. Mar. 12, 13.02; Dec. 3, 12.95.

Utah Lake Valley

North Utah Basin

(D-5-1)14adb-1. State claim 8371. American Fork Irrigation Co. Formerly Drought Relief Administration. 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 4,646.42 feet above msl. Highest water level 49.71 below lsd, Oct. 12, 1945; lowest 65.76 below lsd, May 20, 1941. Records available: 1937-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	53.46	54.17	54.03	54.49	.....	55.60	54.06	54.29	54.42	.....	54.97	55.14
2	53.58	.....	53.88	54.55	.....	55.77	54.10	54.27	54.37	.....	55.13	55.12
3	53.52	54.03	54.27	54.51	.....	55.76	54.34	54.15	54.40	54.91	54.96	.....
4	53.60	53.66	54.18	54.30	.....	55.66	54.20	53.97	.....	.....	54.86	.....
5	53.74	53.63	54.01	54.48	.....	55.49	54.19	53.95	54.41	.....	55.04	54.93
6	54.00	54.03	54.25	54.60	.....	55.54	54.33	53.85	54.43	.....	55.08	55.28
7	53.93	54.06	54.40	54.64	54.90	55.51	54.39	53.72	54.67	.....	54.95	55.56
8	53.61	.....	54.38	54.62	54.95	55.58	54.40	53.75	54.67	.....	54.89	55.66
9	53.59	.....	54.16	54.64	55.04	55.75	54.45	53.77	54.80	.....	54.94	55.76
10	53.62	.....	54.45	54.76	55.16	55.38	54.42	53.83	54.76	54.74	54.91	55.72
11	53.47	.....	54.73	54.78	55.13	55.17	54.44	53.85	54.74	54.65	54.80	55.66
12	53.59	.....	54.73	54.78	54.97	54.90	54.60	53.97	54.96	54.65	54.69	55.42
13	53.92	54.24	54.36	54.76	55.13	54.91	54.57	54.06	55.02	54.84	54.97	55.23
14	53.94	54.28	54.40	54.61	55.23	54.87	54.58	54.14	55.08	54.85	54.69	55.60
15	53.77	54.06	54.26	54.65	.....	54.73	54.64	54.22	55.11	54.57	55.16	55.58
16	53.51	53.96	54.15	54.75	55.21	54.60	54.68	54.19	55.05	54.64	55.41	55.37
17	53.62	53.97	54.35	54.63	55.28	54.56	54.81	54.28	54.98	54.71	55.31	55.53
18	.....	53.65	54.56	54.65	55.22	54.61	54.82	54.40	54.88	54.84	55.14	55.16
19	53.65	54.14	54.51	54.56	55.19	54.61	54.66	54.36	54.91	54.65	55.01	55.08
20	54.04	.....	54.40	54.51	55.25	54.49	54.48	54.46	54.78	54.48	54.85	55.42
21	54.00	53.91	54.31	54.67	55.32	54.35	54.26	.....	54.99	54.61	54.98	55.63
22	53.77	53.83	54.23	.....	55.46	54.24	54.20	.....	54.88	54.73	55.11	55.44
23	53.97	53.90	54.59	.....	55.49	54.16	54.13	54.73	54.83	54.77	55.19	55.45
24	54.00	.....	54.54	.....	55.81	54.13	54.16	54.30	55.01	54.55	55.04	55.34
25	53.93	.....	54.38	.....	55.87	54.25	54.21	54.35	54.89	54.63	55.40	55.50

(D-5-1)14adb-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	53.71	54.03	54.16	.....	55.60	54.14	54.29	54.32	.....	54.71	55.40	55.63
27	53.62	53.98	54.25	.....	55.55	54.19	54.36	54.27	54.95	54.97	55.29	55.49
28	53.75	54.22	54.50	.....	55.54	54.21	54.38	54.30	.....	54.69	55.23	55.22
29	53.91		54.43	.....	55.55	54.23	54.44	54.53	.....	54.72	55.28	55.06
30	53.91		54.18	.....	55.50	54.19	54.45	54.61	.....	54.79	55.22	54.94
31	54.02		54.25		55.60		54.39	54.55		54.78		55.29

(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 56.5 above lsd, Dec. 18, 1945; lowest 35.4 above lsd, Sept. 25, 1935. Records available: 1935-51.

Daily noon water level, above lsd, from recorder graph*

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	46.5	51.8	51.6	53.9	53.0
2	....	46.6	51.9	51.7	53.9	53.0
3	....	46.9	52.1	51.7	53.7	53.1
4	....	46.9	51.9	51.7	54.3	53.0
5	....	46.9	51.7	51.9	54.4	53.0
6	....	47.9	51.8	51.9	54.4	53.0
7	....	49.1	51.7	52.0	53.1	53.0
8	....	49.4	51.6	52.1	53.1	52.8
9	....	48.8	51.4	52.2	53.2	52.8
10	....	49.9	51.6	52.3	53.0	52.6
11	....	50.0	51.6	52.5	53.1	52.6
12	....	49.9	51.6	52.6	53.3	52.6
13	....	50.3	51.6	52.6	53.2	52.6
14	....	49.8	51.6	52.7	53.2	52.5
15	....	49.8	51.4	53.4	53.0	52.5
16	....	49.9	51.3	53.4	52.9	52.5
17	....	49.7	51.6	53.6	53.1	52.6
18	....	49.3	51.8	53.6	53.2	52.6
19	....	49.2	51.7	53.8	53.2	52.6
20	....	49.1	52.0	53.8	53.2	52.6
21	43.9	49.1	52.1	53.9	53.1	52.6
22	44.3	49.2	52.1	53.9	53.0	52.5
23	41.6	49.3	52.0	53.8	53.1	52.5
24	41.3	49.5	52.1	53.8	53.0	52.6
25	41.2	51.9	52.0	53.9	53.0	....
26	41.1	52.2	51.8	53.9	53.0	....
27	43.9	52.2	51.8	53.8	53.0	....
28	44.2	50.3	51.8	53.9	53.0	52.6
29	44.6	50.3	51.5	53.9	53.0	52.6
30	44.9	50.3	51.5	54.0	53.0	....
31	46.2	51.7		53.9		....

* No record for January, February, March, April, May, and June.

(D-5-1)20aba-2. State claim 6861. Jacob G. Cox. Jetted unused artesian well in alluvium, diameter 2½ to 2 inches, depth 154 feet, cased to 152. Land-surface datum is 4,522.0 feet above msl. Highest water level 36.4 above lsd, Mar. 30, 1948; lowest 9.55 above lsd, Sept. 25, 1935. Records available: 1935-51.

Daily water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	34.8	34.1	34.7	33.8	32.9	27.5	16.1	23.0	22.7	22.2	....	32.6
2	34.9	34.3	34.8	33.7	33.0	27.0	16.2	23.3	22.6	22.9	....	32.4
3	34.5	34.2	34.7	33.8	33.2	25.9	16.6	23.5	22.6	23.4	....	32.5
4	34.6	34.1	34.6	33.7	33.5	24.6	16.5	24.4	22.3	24.3	....	33.0
5	....	34.2	34.6	33.2	33.4	23.7	16.2	....	22.1	24.8	....	32.8
6	34.6	34.3	34.6	33.4	33.0	21.5	16.0	....	22.4	....	....	32.3
7	34.5	34.1	34.3	33.3	32.7	19.5	17.1	27.0	22.7	....	....	....
8	34.5	34.1	34.3	33.3	32.6	17.6	17.3	27.1	21.9	....	....	....
9	34.6	34.3	34.4	33.5	32.3	16.1	....	27.0	21.9	....	....	....
10	34.5	34.1	34.3	33.3	30.7	16.8	16.5	26.5	22.1	....	....	....

(D-5-1)20aba-2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	34.5	....	34.1	33.3	30.2	17.0	17.5	....	21.8	....	....	....
12	34.7	....	34.1	....	29.5	16.9	....	....	21.6	....	....	....
13	34.6	....	34.0	....	29.8	16.5	....	....	....	....	....	....
14	34.5	34.5	33.9	....	28.8	16.4	....	23.9	20.9	29.7	....	....
15	34.5	34.4	33.8	....	28.6	16.4	....	....	....	....	....	....
16	34.6	34.7	33.9	....	28.9	16.0	....	....	....	....	....	....
17	34.6	34.7	33.9	....	29.2	16.2	16.7	....	....	....	....	31.4
18	34.8	34.5	34.0	....	28.7	16.4	17.0	....	....	....	....	....
19	34.7	34.6	34.1	....	28.6	16.1	16.2	....	....	....	....	....
20	34.8	34.7	34.0	....	29.2	16.1	16.5	....	....	....	32.6	....
21	34.6	34.8	....	....	29.6	17.1	19.0	21.5	22.4	....	32.4	....
22	34.5	34.9	....	....	31.2	18.1	20.0	....	....	....	32.4	....
23	34.8	34.9	....	....	31.1	19.9	21.7	....	....	....	32.5	....
24	34.6	34.8	....	....	30.9	19.9	22.3	....	....	....	32.5	....
25	34.5	34.8	....	....	31.0	19.5	22.2	....	....	....	32.4	31.7
26	34.7	34.7	....	....	....	19.0	20.8	....	....	....	32.5	31.6
27	34.3	34.9	....	31.9	....	17.7	20.5	....	....	....	32.6	31.6
28	33.6	34.8	....	32.7	....	17.1	20.9	....	....	....	32.6	31.6
29	34.1		....	32.6	29.4	17.5	22.0	....	....	....	32.3	31.5
30	34.5		....	32.8	29.0	16.3	21.8	22.1	22.4	....	32.5	31.5
31	34.4		....		28.4		23.0	22.9		....		31.5

(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 27.7 above lsd, Dec. 17, 1947; lowest 12.8 above lsd, Mar. 17, 1941. Records available: 1940-51. Mar. 30, +23.1; Dec. 28, +22.7.

(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 37.35 below lsd, June 18, 1940; lowest 53.80 below lsd, Feb. 28, 1946. Records available: 1940-51. Apr. 4, 41.26; Dec. 28, 39.16.

(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: 1935-51. Apr. 4, +14.8; Dec. 28, +15.0.

South Utah Basin

(D-8-1)13aaa-1. State claim 14076. R. G. Francis. Jetted irrigation artesian well in alluvium, diameter 4 to 2 inches, depth 358 feet, cased to 358. Land-surface datum is 4,498.56 feet above msl. Highest water level 18.6 above lsd, Dec. 17, 1946; lowest 8.8 above lsd, Aug. 8, 1936. Records available: 1936-51. Apr. 4, +15.8; Dec. 26, +15.6.

(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 36.8 above lsd, Mar. 23, 1950; lowest 23.3 above lsd, Aug. 25, 1938. Records available: 1937-51. Apr. 4, +35.0; Dec. 26, +34.4

(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 26.7 above lsd, Dec. 17, 1947; lowest 16.7 above lsd, Aug. 31, 1935. Records available: 1935-51. Apr. 4, +23.6; Dec. 28, +24.1.

(D-9-1)1cbc-2. State claim 8344. Drought Relief Administration. Drilled unused artesian well in alluvium, diameter 8 inches. Highest water level 1.36 below lsd, Apr. 7, 1947; lowest 3.10 below lsd, Jan. 21, 1941. Records available: 1940-51. Apr. 4, 1.97; Dec. 26, 1.77.

(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: 1935-51. Apr. 4, +14.6; Dec. 26, +15.7.

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 23.86 below lsd, Apr. 6, 1950; lowest 28.85 below lsd, May 15, 1940. Records available: 1936-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 20	26.04	Apr. 26	26.60	July 30	26.70	Nov. 6	26.50
Mar. 20	25.30	May 29	26.46	Aug. 30	26.67	29	26.60
Apr. 4	26.04	June 27	26.52	Oct. 9	26.47	Dec. 27	26.69

(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: 1936-51. Apr. 4, 10.49; Dec. 27, 7.90.

Washington County - Escalante Valley

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

(C-37-16)6ccc-1. State application a2298. LeRoy Adams. Drilled irrigation well in alluvium, diameter 14 inches, depth 200 feet, cased to 200. Land-surface datum is 5,285.2 feet above msl. Highest water level 79.80 below lsd, Aug. 25, 1945; lowest 105.34 below lsd, Oct. 14, 1951. Records available: 1945, 1947-51. Mar. 23, 92.46; May 25, 96.30; Aug. 29, 128.4 pumping; Oct. 14, 105.34; Dec. 19, 99.42.

(C-37-17)12cbc-1. Charles Sides. Drilled irrigation artesian well in alluvium, diameter 14 inches. Land-surface datum is 5,300 feet above msl. Highest water level 22.20 below lsd, Dec. 13, 1946; lowest 37.85 below lsd, Oct. 14, 1951. Records available: 1941-51. Mar. 23, 32.96; May 25, 36.20; Oct. 14, 37.85; Dec. 19, 36.20.

(C-37-17)14adc-1. John C. Bosshardt. Dug stock water-table well in alluvium, diameter 4 feet, depth 60 feet. Highest water level 31.84 below lsd, Mar. 21, 1947; lowest 47.25 below lsd, Oct. 16, 1951. Records available: 1941-51. Mar. 23, 43.62; May 25, 45.00; Aug. 29, 46.40; Oct. 16, 47.25; Dec. 16, 47.24.

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: 1947-51. Mar. 22, 42.05; Dec. 7, 44.65.

(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 2.50 below lsd, July 17, 1948; lowest 8.29 below lsd, Dec. 7, 1951. Records available: 1947-51. Mar. 25, 4.86; Dec. 7, 8.29.

(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, 1936-51. Mar. 25, 18.66; Dec. 8, 18.24.

(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: 1947-51. Mar. 25, 20.38.

(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: 1949-51. Mar. 25, 24.68; Dec. 7, 35.07.

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: 1936-51. Mar. 26, 13.84.

(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 18.87 below lsd, Mar. 26, 1951. Records available: 1948-51. Mar. 26, 18.87; Dec. 10, 15.47.

(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: 1936-51. Mar. 26, 3.16; Dec. 10, 3.97.

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 1¼ inches, depth 263 feet. Land-surface datum is 4,258.8 feet above msl. Highest water level 4.96 above lsd, Mar. 29, 1951; lowest 0.02 below lsd, Oct. 10, 1948. Records available: 1944-51. Mar. 29, +4.96; June 19, +4.41; July 16, +2.28; Aug. 6, +1.95; Sept. 19, +1.15; Oct. 26, +1.60.

(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 38.45 above lsd, Feb. 7, 1938; lowest 28.8 above lsd, Aug. 8, 1945. Records available: 1936-51. Mar. 29, +35.0; Sept. 19, +32.7.

(B-5-3)13ddc-1. State claim 1298. J. D. Hooper. Jetted domestic artesian well in alluvium, diameter 2 to 1¼ inches, depth 615 feet, cased to 615. Land-surface datum is 4,242.02 feet above msl. Highest water level 38.0 above lsd, Apr. 3, 1939; lowest 26.7 above lsd, July 2, 1948. Records available: 1937-51. Mar. 29, +34.6.

(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 43.92 below lsd, Oct. 12, 1942; lowest 49.62 below lsd, Sept. 7, 1948. Records available: 1938-51. Mar. 16, 46.00.

(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 20.4 above lsd, June 13-14, 1943; lowest 9.2 above lsd, Sept. 16, 1948. Records available: 1943-51.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	....	....	20.1	18.0	13.4	13.7	11.5	14.0	....	16.9
2	17.8	....	....	....	20.1	18.0	14.2	13.8	12.0	14.8	....	16.9
3	17.5	....	....	....	18.1	18.3	14.2	13.4	12.2	14.7	....	17.0
4	17.6	....	....	....	18.1	18.5	14.1	13.9	12.5	14.9	....	16.9
5	17.5	....	....	....	18.1	18.1	14.3	14.4	12.1	14.9	....	16.9
6	17.5	18.3	....	....	18.2	....	14.5	14.0	13.0	15.0	....	16.8
7	18.2	17.6	....	....	18.1	16.9	14.7	13.8	11.7	15.2	....	16.9
8	19.6	17.6	....	....	18.0	16.5	13.4	13.8	11.5	15.9	....	17.0
9	19.3	17.5	....	....	18.2	16.5	12.7	14.1	11.5	16.2	17.3	16.9
10	17.7	17.6	....	....	18.3	16.3	12.6	13.3	11.9	16.5	17.0	16.9

(B-6-1)29abb-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	17.7	17.8	....	....	18.4	16.6	12.4	13.1	11.4	17.0	17.1	16.9
12	17.3	16.9	....	....	18.1	16.8	12.7	13.2	11.3	16.6	17.1	16.8
13	16.6	17.6	....	....	18.2	16.8	12.7	13.1	11.5	15.5	17.0	17.2
14	17.5	17.5	....	....	18.2	16.8	12.9	13.0	11.5	15.5	17.0	....
15	17.6	17.7	....	....	18.0	16.1	13.4	12.5	11.2	15.7	17.0	....
16	17.5	18.1	....	....	18.1	14.7	13.5	12.1	11.1	15.7	16.8	....
17	17.5	18.0	....	....	18.1	14.5	13.7	12.0	11.7	15.6	16.8	....
18	17.7	....	....	....	18.6	14.4	13.7	12.0	12.3	15.7	16.9	....
19	17.6	....	....	....	18.6	14.2	13.7	12.0	12.1	16.0	16.6	....
20	16.4	....	....	....	18.3	14.1	13.8	11.9	11.9	16.6	17.0	....
21	17.1	....	....	....	18.2	14.2	14.4	12.1	11.8	16.9	17.0	16.8
22	17.6	....	....	....	18.1	15.0	13.1	12.0	11.8	17.2	....	16.6
23	17.6	....	....	....	18.1	14.5	13.4	12.1	11.8	16.2	16.9	16.6
24	17.4	....	....	....	18.1	15.0	13.7	12.6	12.1	16.3	16.9	16.6
25	17.6	....	....	....	18.2	15.2	13.9	12.6	12.5	16.4	16.8	16.5
26	17.7	....	....	....	18.6	15.9	13.1	12.8	12.9	16.3	16.9	16.4
27	17.3	....	....	20.1	18.6	15.8	12.8	13.0	13.1	16.3	16.8	16.4
28	17.5	....	....	20.1	18.9	15.5	13.4	13.3	13.4	16.5	16.8	16.4
29	17.3		....	20.2	18.9	13.5	13.8	13.2	13.6	16.5	16.8	16.5
30	17.7		....	20.2	19.0	13.5	14.1	13.0	13.9	16.8	16.9	16.6
31	16.6		....		....		13.6	11.3		....		16.5

(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 28.34 below lsd, June 17, 1944; lowest 31.82 below lsd, Oct. 3, 1947. Records available: 1943-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.97	29.12	29.07	29.15	29.30	29.47	30.48	31.47	31.72	32.33	31.47	30.61
2	28.99	29.12	29.02	29.17	29.34	29.51	30.53	31.49	31.77	32.37	31.45	30.55
3	28.96	29.13	29.08	29.14	29.36	29.54	30.55	31.51	31.78	32.25	31.40	30.57
4	28.97	29.06	29.04	29.11	29.34	29.52	30.58	31.40	31.76	32.17	31.34	30.48
5	29.01	29.04	29.00	29.15	29.31	29.53	30.60	31.44	31.73	32.20	31.35	30.41
6	29.09	29.09	29.04	29.19	29.29	29.53	.....	31.44	31.83	32.25	31.34	30.49
7	29.09	29.09	29.05	29.23	29.33	29.52	30.70	.....	31.90	32.24	31.28	30.56
8	29.02	29.12	29.06	29.24	29.29	29.57	30.77	.....	31.91	32.24	31.12	30.58
9	29.01	29.12	29.01	29.25	29.30	29.67	30.78	.....	31.95	32.26	31.11	30.62
10	29.03	29.10	29.12	29.29	29.40	29.69	30.80	.....	31.95	32.22	31.15	30.64
11	29.00	29.07	29.18	29.31	29.35	29.72	30.88	31.41	31.94	32.17	31.09	30.59
12	29.03	29.05	29.19	29.31	29.28	29.72	30.95	31.46	32.02	32.15	30.94	30.51
13	29.14	29.15	29.13	29.29	29.32	29.80	30.98	31.50	32.06	32.14	30.98	30.44
14	29.16	29.17	29.13	29.29	29.34	29.85	31.13	31.52	32.09	32.12	30.88	30.51
15	29.05	29.12	29.08	29.29	29.36	29.88	31.21	31.52	32.15	32.03	30.97	30.48
16	29.03	29.10	29.06	29.29	29.34	29.94	31.28	31.51	32.20	32.03	31.02	30.45
17	29.00	29.10	29.08	29.27	29.32	29.96	31.33	31.53	32.22	32.02	31.01	30.47
18	28.98	29.06	29.14	29.28	29.33	29.96	31.37	31.55	32.21	32.04	30.96	30.37
19	28.99	29.13	29.11	29.32	29.35	30.03	31.41	31.56	32.24	31.98	30.90	30.34
20	29.11	29.14	29.08	29.40	29.35	30.02	31.43	31.57	32.24	31.92	30.81	30.39
21	29.11	29.08	29.06	29.66	29.33	30.05	31.43	31.57	32.31	31.91	30.76	30.43
22	29.02	29.06	29.05	29.75	29.31	30.10	31.47	31.57	32.29	31.91	30.77	30.40
23	29.06	29.07	29.14	29.72	29.35	30.27	31.47	31.55	32.29	31.87	30.77	30.42
24	29.07	29.10	29.19	29.69	29.39	30.34	31.45	31.58	32.35	31.78	30.70	30.39
25	29.07	29.07	29.15	29.55	29.38	30.40	31.45	31.61	32.32	31.71	30.77	30.43
26	29.01	29.05	29.10	29.44	29.42	.....	31.50	31.61	32.37	31.71	30.75	30.46
27	28.99	29.04	29.09	29.47	29.43	.....	31.51	31.62	32.37	31.72	30.72	30.43
28	29.01	29.10	29.15	29.38	29.44	.....	31.58	31.60	32.34	31.67	30.69	30.38
29	29.05		29.13	29.26	29.45	30.48	31.49	31.66	32.36	31.55	30.69	30.30
30	29.05		29.06	29.25	29.45	30.51	31.49	31.72	32.37	31.52	30.66	30.25
31	29.07		29.10		29.50		31.48	31.73		31.49		30.33

(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 25.1 above lsd, Mar. 28, 1951; lowest 18.0 above lsd, Oct. 29, 1947. Records available: 1937-51. Mar. 28, +25.1.

(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 25.7 above lsd, Mar. 16, 1949. Records available: 1935-51. Mar. 27, +27.9.

(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 27.9 above lsd, Dec. 20, 1949; lowest 5.0 above lsd, Aug. 4, 1943. Records available: 1943-51. Mar. 16, +19.7.

(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 39.2 above lsd, Apr. 7, 1947; lowest 27.2 above lsd, July 12, 1945. Records available: 1945-51. Mar. 29, +36.0.

(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 and Apr. 7, 1947; lowest 24.9 above lsd, Aug. 6, 1943. Records available: 1943-51. Mar. 16, +34.5.

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. Land-surface datum is 4,883.73 feet above msl. Highest water level 4.27 below lsd, June 7, 1945; lowest 43.11 below lsd, Nov. 24, 1935. Records available: 1935-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.86	.....	22.70	26.34	.....	.....	20.81	24.41	25.84	29.96	27.68	28.74
2	23.89	.....	22.89	26.37	.....	.....	21.02	24.49	25.95	.....	27.67	28.76
3	23.94	.....	23.04	26.39	.....	.....	21.17	24.56	26.06	.....	27.64	28.99
4	23.97	.....	23.18	26.40	19.88	.....	21.40	24.65	26.17	.....	27.62	28.99
5	24.00	.....	23.28	26.40	19.83	.....	21.60	24.60	26.28	.....	27.60	29.20
6	24.03	24.50	23.38	26.60	19.78	.....	21.82	24.23	26.44	.....	27.59	29.31
7	24.05	.....	23.47	27.14	19.68	.....	22.11	23.98	26.57	.....	.....	.....
8	24.10	.....	23.55	27.56	19.52	.....	22.31	23.80	26.66	.....	.....	.....
9	24.12	.....	23.66	27.82	19.37	.....	22.50	23.66	26.83	.....	.....	.....
10	24.15	.....	23.78	27.97	19.10	.....	22.68	23.60	27.05	.....	.....	.....
11	24.19	.....	23.91	27.93	.....	.....	22.80	23.57	27.25	.....	.....	.....
12	24.22	24.74	24.06	27.60	.....	.....	22.83	23.61	27.46	.....	.....	.....
13	24.26	.....	24.23	27.24	.....	.....	22.87	23.69	27.69	.....	.....	.....
14	24.39	24.69	24.41	27.22	.....	19.87	22.93	23.77	27.88	.....	.....	.....
15	24.43	24.64	24.61	27.26	.....	20.03	23.03	23.86	28.07	.....	27.84	.....
16	24.45	23.65	24.83	27.28	.....	20.18	23.17	23.96	28.24	.....	27.97	.....
17	.....	23.20	25.03	27.29	.....	20.30	23.30	24.12	28.39	.....	28.09	.....
18	.....	23.05	25.22	27.29	.....	20.30	23.45	24.26	28.55	.....	28.19	.....
19	.....	22.96	25.42	27.16	.....	20.27	23.62	24.41	28.69	.....	28.25	.....
20	.....	22.90	25.61	25.36	.....	20.30	23.74	24.53	28.74	.....	28.30	.....
21	.....	22.81	25.79	24.89	.....	20.36	23.91	24.65	28.87	.....	28.36	.....
22	.....	22.77	25.89	25.08	.....	20.32	23.94	24.98	29.00	27.85	28.42	.....
23	.....	22.73	25.97	25.33	.....	20.30	23.95	24.82	29.13	27.79	28.46	.....
24	.....	22.70	26.04	25.54	.....	20.30	23.95	24.88	29.25	27.77	28.50	.....
25	.....	22.69	26.10	25.69	.....	20.30	23.94	24.99	29.36	27.77	28.55	.....
26	.....	22.67	26.14	25.80	.....	20.10	23.94	25.02	29.47	27.76	28.59	.....
27	.....	22.66	26.17	25.87	.....	20.07	24.03	25.23	29.57	27.75	28.61	.....
28	.....	22.69	26.19	25.76	.....	20.23	24.09	25.36	29.67	27.74	28.64	.....
29	.....		26.23	22.03	.....	20.42	24.17	25.47	29.76	27.73	28.68	.....
30	.....		26.26	.....	.....	20.62	24.25	25.59	29.85	27.73	28.70	.....
31	.....		26.30		.....		24.33	25.72		27.71		.....

(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: 1932-51.

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	+0.82	....	+0.42	-0.49	+3.33	+7.39	+5.65	....	....	....	-2.23	-2.42
2	.83	....	.32	.50	3.54	7.45	5.49	+1.40	....	....	2.28	2.38
3	.87	....	.18	.47	3.66	7.71	5.34	1.32	....	....	2.28	2.42
4	.92	....	.12	.40	3.68	7.94	5.12	1.40	+0.03	-2.39	2.24	2.33
5	.98	....	.16	.33	3.66	7.92	4.97	1.72	+.96	2.43	2.32	2.22

(A-6-1)12aa-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	....	-0.32	+0.11	-0.58	+3.75	+7.57	+4.79	+1.88	-0.12	-2.51	-2.36	-2.26
7	....	.27	.14	.76	3.97	7.16	4.65	....	.24	2.29	2.58	2.32
8	....	.25	+.04	.81	4.29	7.01	4.49	....	.35	2.14	2.75	2.37
9	....	.25	-.04	.74	4.36	6.95	4.34	1.93	....	2.08	2.87	2.43
10	....	.19	.20	.64	4.73	6.94	4.18	....	....	....	2.94	2.45
11	....	-.08	.41	.26	5.20	6.93	4.00	....	....	....	2.96	2.48
12	....	+.18	.51	-.06	5.53	6.91	3.90	....	....	....	2.91	2.49
13	....	....	.57	+.04	5.66	6.83	....	....	1.87	....	2.64	2.48
14	....	.39	.62	.18	5.67	6.75	....	....	1.90	....	2.44	2.62
15	....	.46	.56	.30	5.87	6.73	....	....	1.96	....	2.44	2.69
16	-0.93	.64	.60	.52	6.20	6.67	....	....	1.99	....	2.47	2.69
17	....	.72	.64	.69	6.52	6.61	....	+1.92	2.02	....	2.48	2.76
18	....	.76	.69	.83	6.74	6.76	....	....	2.02	....	2.48	2.75
19	....	.78	.75	.99	6.94	6.82	2.76	....	2.08	....	2.49	2.74
20	....	.66	.76	1.37	7.17	6.58	2.64	....	2.10	....	2.49	2.85
21	....	....	.72	1.47	7.28	6.54	2.55	....	....	....	2.47	2.99
22	....	....	.62	1.24	7.29	6.71	2.49	....	....	....	2.47	3.02
23	....	....	.66	1.20	7.28	6.60	2.51	....	....	2.05	2.47	3.10
24	....	....	.62	1.25	7.25	6.53	2.48	....	....	1.89	2.43	3.12
25	....	....	.53	1.35	7.06	6.47	2.45	....	....	1.85	2.48	3.15
26	....	.67	.46	1.42	6.99	6.60	2.19	....	....	1.88	2.50	3.17
27	....	.66	.42	1.45	7.06	6.38	2.02	....	....	1.94	2.47	3.17
28	....	.55	.47	1.63	7.19	6.13	1.95	....	....	1.95	2.45	3.16
29	....		.48	2.46	7.20	5.93	2.85	....	....	1.92	2.45	3.07
30	....		.44	2.99	7.29	5.77	....	-.45	....	2.03	2.44	3.06
31	....		.43		7.36		....	....		2.14		3.08

WASHINGTON

By Glen D. Holmberg

Scope of Water-Level Program

The observation-well program in Washington was continued in 1951 in cooperation with the State Department of Conservation and Development. Wells were measured periodically in several areas in connection with investigations of the ground-water resources of counties or other areas. Investigational projects included the Columbia Basin Project area in south-central Washington, Kitsap County, the Yelm area in Thurston County, the Lake Washington-Snoqualmie Valley area in King County, and the Ahtanum Valley area in Yakima County. The investigation of the ground-water resources of the Walla Walla Basin was completed and the report is in preparation. Measurements for 96 wells are included in this report. Five recording and 12 nonrecording gages were operated during the year. For location of observation wells in Washington see figure 22.

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 precipitation for most of the central part of the area ranges from 40 to 60 inches annually. Along the west slope of the Cascades and also along the Pacific Coast average annual precipitation at many stations is as much as 100 inches.

The first of the following tables shows monthly distribution of precipitation at two representative stations. The average monthly precipitation, both in inches and in percent of average annual, is shown in comparison with precipitation for 1951. The 1951 precipitation is given in inches and in percent of average annual precipitation. Records of the Olympia station are representative of western Washington and the records of the Waterville station are representative of eastern Washington. The second table shows precipitation in inches for the year ending December 31, 1951 at 13 representative stations in the State; and also the ratio, in percent, of the 1951 precipitation to the average annual precipitation for each of those stations. Stations in the north-central portion of the State showed 107.9 to 127.0 percent of normal annual precipitation while those to the south recorded 85.6 to 97.7 percent of normal. West of the Cascades all stations, except two, recorded below-normal annual precipitation. These two exceptions were Olga in the north and Vancouver in the south, recording 101.4 and 116.1 percent of normal, respectively.

50-year average and 1951 precipitation at Olympia and Waterville

	Rainfall at Olympia				Rainfall at Waterville			
	50-year average		1951		50-year average		1951	
Month	Monthly precipitation (Inches)	Percent	(Inches)	Percent	Monthly precipitation (Inches)	Percent	(Inches)	Percent
January	7.92	15.2	10.26	19.6	1.48	13.3	1.37	12.2
February	6.48	12.4	8.71	16.7	1.19	10.6	1.46	13.0
March	5.09	9.7	5.41	10.3	.79	7.0	1.43	12.7
April	3.34	6.4	.73	1.4	.70	6.2	.02	.2
May	2.42	4.6	2.34	4.5	.91	8.1	1.96	17.5
June	1.59	3.0	.05	.1	.87	7.8	1.47	13.1
July	.68	1.3	.53	1.0	.39	3.5	.62	5.5
August	.70	1.4	.58	1.1	.40	3.6	1.55	13.8
September	2.42	4.6	2.49	4.8	.56	5.0	.17	1.5
October	4.42	8.5	6.50	12.4	.74	6.6	1.08	9.6
November	8.02	15.3	5.91	11.3	1.45	12.9	1.55	13.8
December	9.21	17.6	7.33	14.0	1.75	15.4	1.57	14.0
Annual	52.29	100.0	50.84	97.2	11.22	100.0	14.25	126.9

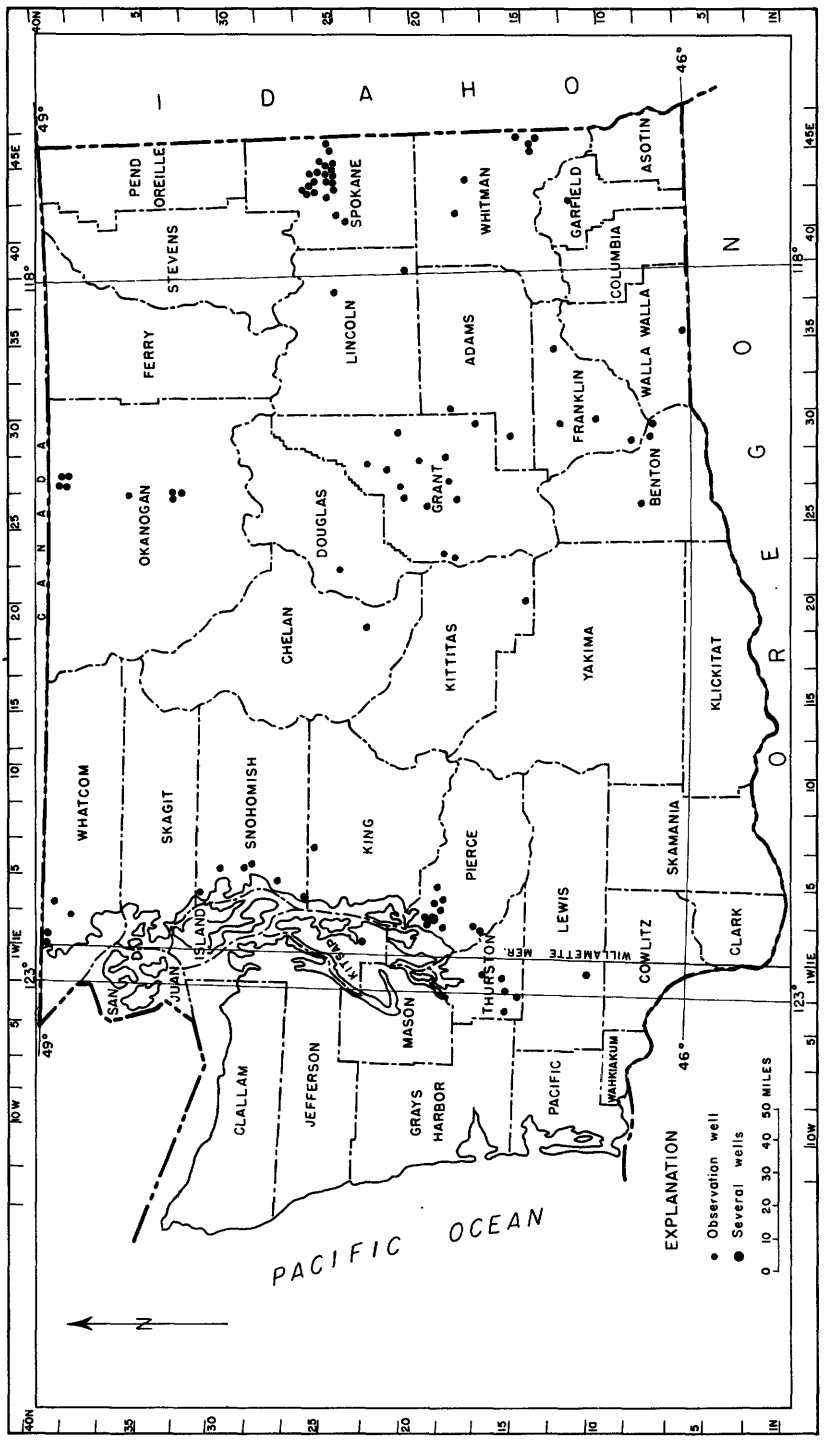


Figure 22.--Location of observation wells in Washington, 1951.

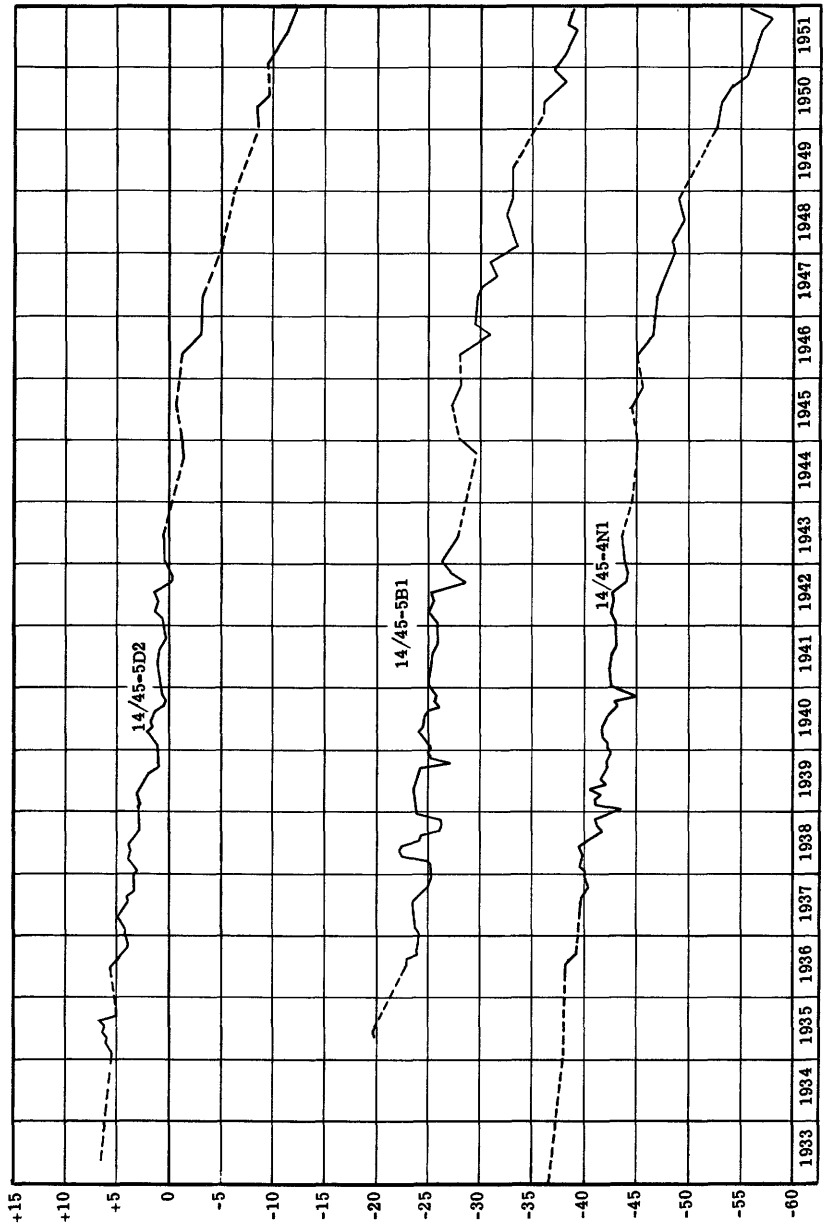


Figure 23.--Hydrographs of wells 14/45-5D2, 14/45-5B1, and 14/45-4N1 at Pullman, Whitman County, Wash., 1933-51.

Average annual and 1951 annual precipitation at 13 stations

Province	Station and County	Average annual precipitation (inches)	1951	
			Total annual precipitation (inches)	Percent of average
North Coast Ranges	Port Angeles, Clallam	27.36	24.20	88.4
	Aberdeen, Grays Harbor	82.96	79.86	95.0
Puget-Willamette Trough	Olga, San Juan	28.98	29.41	101.4
	Seattle, King	35.55	34.61	97.3
	Vancouver, Clark	37.32	43.34	116.1
	Olympia, Thurston	52.29	50.79	97.1
Columbia Plateau	Ellensburg, Kittitas	9.03	9.74	107.9
	Waterville, Douglas	11.22	14.25	127.0
	Kennewick, Benton	7.06	6.90	97.7
	Walla Walla, Walla Walla	17.01	14.57	85.6
Northern Rocky Mountains	Lakeside, Chelan	10.85	11.71	107.9
	Colville, Stevens	16.54	20.20	122.1
	Spokane, Spokane	16.62	19.30	116.1

Interpretation of Water-Level Fluctuations

East of the Cascades, precipitation is generally low to moderate and most 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. Water levels in the State were generally above normal during 1951, due to above-normal precipitation during the winter and spring west of the Cascades, and to above-normal precipitation throughout the entire year east of the Cascades. The water level in well 20/3-30C2 was above average for the first 5 months of the year. The average water level for 1951 was slightly above the all-time average even though the precipitation and water levels were below normal during the latter half of the year. This well is representative of Tacoma public-supply wells and adjacent wells in Pierce County. The water level in well 30/5-22A1 in March established a new all-time high water level. In October, the water level was only 0.52 feet above the all-time low, declining 7.29 feet from the March high. The water level in well 23/1-2C2 during 1951 ranged from 43.20 to 49.39 feet and was above the average water level during the entire year. The water level has been rising for the past 4 years and during 1951 reached a new high. The average water level in this well for the 20 years of record is 51.23 feet. The water level in well 23/19-4E2 in 1951 fluctuated 4.88 feet, from 12.58 to 17.46. New high-water levels were recorded for several months of the year. The average water level for the 7 years of record is 15.61 feet. Well 18/30-34M1 in the Columbia Basin Project area of Grant County is characteristic of many of the wells in the central part of the State which obtain water from the extensive basaltic lava flows. During the entire year of 1951 the water levels were above the 9-year average, 103.21 feet. The recorded water level in well 25/45-16C1 ranged from 94.82 to 101.48 feet during 1951. The water level was above the 1930-51 average for the entire year ranging from 5.05 feet above average in February to 8.61 feet above average in June and was 2.50 feet above average in December. The precipitation which averages nearly 17 inches annually, was more than 16 percent above average for 1951. Figure 23 gives hydrographs of wells 14/45-5D2, 14/45-5B1, and 14/45-4N1 at Pullman, Whitman County.

302336 O - 54 - 9

Water levels in selected wells and comparison of lowest levels

County and well number	Average Yearly		All time		1951		1951 lowest	
	Highest	Lowest	Highest	Lowest	Highest	Lowest	Above Below 1950 lowest	Above Below average yearly lowest
Adams								
19/31-19B1	184.24	184.71	183.97	187.00	184.10	185.26	- .89	- .55
Benton								
9/27-19G1	13.58	14.94	11.47	16.33	12.86	16.33	-2.32	-1.39
Chelan								
23/19-4E2	14.30	18.27	12.58	19.22	12.58	17.46	+ .74	+ .81
Franklin								
9/29-25D1	32.02	36.64	28.03	38.17	30.36	35.96	- .42	+ .68
Grant								
19/26-34D1	92.29	92.65	92.20	94.25	92.30	93.07	+1.18	- .42
19/27-16N1	67.31	68.18	65.12	70.50	64.65	65.36	+1.50	+2.82
21/28-34A1	93.76	94.89	88.40	96.91	88.40	89.59	+4.85	+5.30
Kitsap								
23/1-2C2	50.97	54.78	43.20	60.32	43.20	49.39	+3.11	+5.39
Lincoln								
25/37-14M1	18.14	20.18	12.42	22.91	12.42	14.61	+2.27	+5.57
Okanogan								
34/26-28A1	31.01	32.95	28.86	33.38	29.82	32.80	+ .30	+ .15
40/27-28G1	14.90	17.88	13.35	18.61	14.00	17.73	+ .22	+ .15
Pierce								
19/4-7A1	17.43	35.63	13.30	36.90	13.30	36.23	-1.43	- .60
20/3-35G1	179.78	181.20	178.57	182.27	178.57	180.25	+ .41	+ .95
Spokane								
25/42-14L1	89.28	97.90	81.73	101.24	89.31	98.44	-1.44	- .54
25/45-16C1	97.98	107.14	88.85	114.53	94.82	101.93	+ .36	+5.21
Whatcom								
40/1-4J1	64.78	68.24	64.92	75.23	67.15	67.84	+1.78	+ .40
Whitman								
14/45-11N1	4.36	7.88	2.39	9.48	3.12	6.82	+ .08	+1.06

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. For example, in the well number 18N/3E-15B1, the part preceding the hyphen indicates the township and range (T. 18 N., R. 3 E.) north and east of the Willamette base line and meridian. The first digit following the hyphen indicates the section (section 15) and the letter (B) gives the 40-acre subdivision of the section. The last number (1) is the serial number of the well in that particular 40-acre tract. Because all townships in Washington are north of the Willamette base line, the letter "N" is always omitted. Because most of the State is east of Willamette meridian, the letter "E" is omitted for those ranges east of Willamette meridian; but "W" is included when the range lies west of the Willamette meridian. Thus the first well recorded in the $NW\frac{1}{4}NE\frac{1}{4}$ sec. 15, T. 18 N., R. 3 E. would have the number 18/3-15B1.

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

16/29-35R1. Kathryn D. Tate. Drilled unused well in Yakima basalt, diameter 6 inches depth 314 feet. Records available: 1940-50. Measurement discontinued.

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: 1939-51. Jan. 31, 185.26; Mar. 3, 184.10; Apr. 8, 184.31; May 14, 184.31; Sept. 1, 184.26; Oct. 27, 184.14; Dec. 20, 184.37.

Benton County

8/29-1D1. Garber Dairy. Kennewick. Dug domestic and stock water-table well in gravel, diameter 48 inches, depth 75 feet, lined with concrete to 75 feet. 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 and Apr. 6, 1950. Records available: 1948-51. Apr. 3, 67.41; June 25, 63.17; Aug. 26, 62.64, pumping; Oct. 25, 63.53, pumping.

8/30-9E1. E. Dague. About 2.5 miles southeast of Kennewick. 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 23.97 below lsd, Apr. 6, 1950. Records available: 1948-51. Apr. 3, 23.72; June 25, 20.71, pumping; Aug. 26, 18.94; Oct. 25, 18.81.

9/27-19G1. Paul Root. 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 16.33 below lsd, Nov. 26, 1951. Records available: 1940-51. Apr. 3, 12.86; June 25, 13.87, pumping; Aug. 26, 14.42; Oct. 21, 16.14; Nov. 26, 16.33.

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, lined with concrete to 23.6 feet. Land-surface datum is about 784 feet above msl. Nonrecording gage. Highest water level 12.58 below lsd, Apr. 7, 1951; lowest 19.22 below lsd, Nov. 30, 1948. Records available: 1945-51.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.84	15.82	13.80	13.45	13.69	14.47	14.70	15.22	15.35	15.72	16.80	17.10
2	14.98	15.60	13.87	13.41	13.70	14.57	14.68	15.21	15.35	15.67	16.82	17.05
3	15.00	15.62	13.92	13.16	13.81	14.66	14.62	15.21	15.32	15.78	16.83	17.00
4	15.04	15.65	13.98	12.92	13.92	14.69	14.64	15.23	15.30	15.74	16.83	17.02
5	15.02	15.77	14.06	12.70	13.60	14.65	14.61	15.26	15.30	15.69	16.85	17.08
6	15.05	15.82	14.19	12.66	13.55	14.51	14.60	15.29	15.32	15.85	16.86	17.15
7	15.15	15.94	14.22	12.58	13.40	14.46	14.65	15.25	15.30	15.90	16.88	17.18
8	15.22	16.01	13.83	12.60	13.40	14.46	14.63	15.35	15.27	15.95	16.90	17.21
9	15.35	15.96	13.80	12.59	13.44	14.53	14.61	15.46	15.24	16.00	16.90	17.23
10	15.36	15.13	13.78	12.60	13.43	14.52	14.60	15.47	15.22	16.02	16.87	17.23
11	15.46	14.13	13.84	12.67	13.35	14.52	14.64	15.44	15.20	16.03	16.87	17.27
12	15.60	13.78	13.83	12.72	13.16	14.53	14.72	15.35	15.28	16.06	16.85	17.29
13	15.74	13.67	13.80	12.75	13.40	14.48	14.74	15.27	15.32	16.10	16.85	17.29
14	15.74	13.64	13.78	12.76	13.48	15.75	14.72	15.25	15.37	16.11	16.89	17.32
15	15.76	13.62	13.68	12.84	13.56	14.81	14.71	15.35	15.47	16.13	16.93	17.35
16	15.80	13.61	13.61	12.98	13.57	14.66	14.71	15.34	15.48	16.16	16.96	17.38
17	16.00	13.58	13.65	13.04	13.53	14.55	14.72	15.36	15.50	16.20	17.00	17.39
18	16.01	13.58	13.67	13.23	13.60	14.47	14.74	15.32	15.54	16.25	17.04	17.39
19	16.10	13.60	13.69	13.27	13.71	14.47	14.78	15.25	15.55	16.24	17.05	17.44
20	16.15	13.57	13.68	13.39	13.77	14.47	15.07	15.15	15.57	16.25	17.08	17.46
21	16.18	13.58	13.63	13.41	13.74	14.49	15.11	15.10	15.57	16.31	17.09	17.38
22	16.22	13.56	13.60	13.36	13.83	14.50	15.00	15.15	15.62	16.35	17.09	17.36
23	16.28	13.54	13.62	13.28	13.83	14.44	14.90	15.27	15.62	16.39	17.10	17.00
24	16.35	13.53	13.49	13.43	13.92	14.40	14.93	15.20	15.65	16.41	17.14	16.02
25	16.38	13.58	13.42	13.61	13.99	14.42	14.98	15.30	15.70	16.44	17.15	15.90

23/19-4E2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	16.16	13.61	13.40	13.69	13.99	14.46	15.00	15.35	15.72	16.45	17.19	15.80
27	16.10	13.67	13.36	13.79	13.98	14.46	15.01	15.27	15.75	16.45	17.18	15.80
28	16.15	13.74	13.34	13.78	13.98	14.68	15.05	15.27	15.76	16.70	17.20	16.28
29	16.28		13.34	13.72	14.18	14.64	15.10	15.15	15.77	16.72	17.18	16.60
30	16.25		13.40	13.66	14.38	14.69	15.19	15.28	15.75	16.75	17.14	16.75
31	16.23		13.49		14.46		15.24	15.35		16.78		16.85

Douglas County

25/22-22C1. City of Waterville. Dug sump and gallery in basalt, lined with concrete. 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: 1945-51. Mar. 28, 5.78; June 30, 8.29, pumping; Sept. 1, 9.72; Oct. 16, 4.63; Dec. 11, 3.73.

Franklin County

9/29-25D1. E. T. Lindar. Road 36 and Court St. Dug unused water-table well in terrace gravel of Columbia River, diameter 5 feet, depth 45 feet, lined with concrete to 45 feet. 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: 1940-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	35.30	Apr. 7	35.96	June 28	30.36	Oct. 25	32.84
Mar. 5	35.60	May 12	33.94	Aug. 31	31.60	Dec. 20	34.79

11/30-11B1. Northern Pacific Railway Co. In Eltopia. Dug unused water-table well in glacial-outwash gravel, diameter 8 inches, depth 117 feet, cased to 117 feet. Land-surface datum is about 594 feet above msl. Highest water level 108.64 below lsd, May 30, 1950; lowest 116.96 below lsd, Jan. 16, 1948. Records available: 1940-51. Feb. 2, 111.98; Mar. 5, 112.04; Apr. 9, 113.05; May 12, 111.64. Measurement discontinued.

13/30-26G2. M. M. Poe. Dug stock water-table well in glacial-outwash gravel, diameter 6 feet, depth 35 feet, cribbed with wood to 35 feet. Land-surface datum is about 674 feet above msl. Highest water level 26.65 below lsd, Feb. 2, 1951; lowest 28.94 below lsd, Oct. 25, 1951. Records available: 1940-51. Feb. 2, 26.65; Mar. 5, 25.90, pumping; Apr. 9, 29.01, pumping; May 12, 30.91, nearby well being pumped; Aug. 31, 30.14, nearby well being pumped; Oct. 25, 28.94; Dec. 20, 28.51.

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 feet. Land-surface datum is about 900 feet above msl. Highest water level 43.07 below lsd, May 12, 1951; lowest 52.48 below lsd, Oct. 27, 1948. Records available: 1938-51.

Feb. 2	a43.77	Apr. 9	a43.54	June 28	a44.34	Oct. 25	44.47
Mar. 5	a43.35	May 12	43.07	Aug. 31	a45.57	Dec. 20	43.78

a Pumping.

Garfield County

12/42-34Q1. W. E. Greatorex. Dug domestic water-table well in alluvial deposit in Pataha Creek valley, diameter 4 feet depth 25 feet. Land-surface datum is about 2,050 feet above msl. Highest water level 20.59 below lsd, Apr. 3, 1951; lowest 25.02 below lsd, Oct. 23, 1948. Records available: 1946-51.

Apr. 7, 1946	23.16	Mar. 20, 1948	22.20	June 30, 1950	21.55	June 25, 1951	21.49
Nov. 23	23.69	July 17	22.52	Oct. 6	24.16	Aug. 26	22.03
Apr. 16, 1947	23.30	Oct. 23	25.02	Dec. 15	21.41	Oct. 21	22.79
July 18	24.08	Mar. 20, 1949	21.53	Apr. 3, 1951	20.59		

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 151.10 below lsd, Oct. 26, 1951; lowest 154.45 below lsd, Oct. 3, 1949. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 3, 1949	154.45	Apr. 29, 1950	151.83	Oct. 16, 1950	151.73	May 8, 1951	151.32
31	152.22	June 1	151.80	Nov. 27	151.68	June 28	151.22
Dec. 7	152.07	July 1	151.74	Dec. 21	151.59	Aug. 29	151.17
Feb. 10, 1950	151.95	Aug. 10	151.74	Feb. 28, 1951	151.41	Oct. 26	151.10
Mar. 16	151.90	Sept.	151.74	Apr. 6	151.35	Dec. 19	151.81

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: 1943-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	102.43	Apr. 9	102.54	June 28	102.46	Oct. 25	102.72
Mar. 5	102.75	May 12	103.14	Aug. 31	102.58	Dec. 20	102.73

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 222.92 below lsd, Jan. 29, 1951. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 1, 1949	222.84	June 2, 1950	222.49	Nov. 28, 1950	222.58	May 8, 1951	222.32
Dec. 5	222.26	July 2	222.36	Dec. 17	222.60	June 29	222.36
Feb. 7, 1950	222.41	Aug. 8	222.33	Jan. 29, 1951	222.92	Aug. 28	222.00
Mar. 15	222.39	Sept. 18	222.25	Feb. 28	222.26	Oct. 24	222.19
Apr. 27	222.36	Oct. 16	222.32	Apr. 7	222.37	Dec. 18	221.93

19/26-34D1. E. B. Cole. Drilled unused water-table well in sand, diameter 6 inches, depth 96 feet, cased to 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: 1939-51. Jan. 30, 93.00; Mar. 3, 92.30; Apr. 7, 93.07; May 8, 92.53; June 29, 93.05; Aug. 29, 93.07.

19/27-16N1. John H. Dills, Jr. Dug irrigation water-table well in glacial outwash gravel, diameter 72 inches, depth 77 feet, lined with concrete to 77 feet. Land-surface datum is about 1,094 feet above msl. Highest water level 65.12 below lsd, May 13, 1951; lowest 70.50 below lsd, Apr. 10, 1948. Records available: 1942-51. Feb. 3, 64.65; Mar. 3, 65.36; May 13, 65.12; Oct. 27, 65.21; Dec. 19, 65.29.

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 feet. 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: 1939-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3	a56.84	Apr. 4	a57.16	June 27	a59.70	Oct. 27	58.68
Mar. 2	a57.46	May 14	58.22	Aug. 30	59.25	Dec. 21	a58.09

a Pumping.

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 234.90 below lsd, Oct. 24, 1951. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 4, 1949	229.68	Apr. 26, 1950	229.51	Dec. 17, 1950	231.94	May 7, 1951	232.43
Dec. 5	229.45	June 2	230.45	Jan. 29, 1951	231.89	Aug. 28	234.52
Jan. 10, 1950	229.31	Sept. 18	232.26	Feb. 28	231.76	Oct. 24	234.90
Feb. 7	229.13	Oct. 18	232.33	Apr. 9	231.83	Dec. 22	234.46
Mar. 15	229.04	Nov. 28	232.10				

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 161.00 below lsd, Dec. 19, 1939 and Apr. 16, 1940; lowest 163.09 below lsd, Oct. 18, 1950. Records available: 1939-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	162.98	Apr. 8	163.02	June 30	162.88	Oct. 24	163.03
Mar. 4	162.39	May 10	162.74	Sept. 1	163.03	Dec. 18	162.19

21/26-3H1. Sivert Andersen. Drilled domestic and stock well in basalt, diameter 6 inches, depth 190 feet. Records available: 1939-50. Measurement discontinued.

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 88.40 below lsd, June 27, 1951; lowest 96.91 below lsd, Sept. 11, 1946. Records available: 1939-51. Feb. 1, 89.26; Mar. 1, 89.29; Apr. 5, 89.52; May 9, 89.59; June 27, 88.40; Aug. 30, 89.24; Oct. 25, 88.56.

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 45.18 below lsd, Oct. 16, 1944; lowest 52.41 below lsd, Oct. 29, 1947. Records available: 1939-51.

Feb. 1	46.28	Apr. 5	a50.60	June 27	51.73	Oct. 26	46.24
Mar. 1	46.12	May 9	a68.58	Aug. 30	49.32	Dec. 21	45.64

a Pumping.

22/28-6R1. Charles A. Kennedy. Dug domestic and irrigation water-table well in glacial outwash gravel, diameter 36 inches, depth 177 feet. Land-surface datum is about 1,282 feet above msl. Highest water level 150.82 below lsd, Aug. 13, 1948; lowest 177.00 below lsd, Mar. 15, 1939. Records available: 1939-51. Feb. 1, 160.87; Mar. 1, 160.64; Apr. 5, 156.30; May 9, 151.71; Aug. 30, 152.25; Oct. 26, 155.24.

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 feet. 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: 1939-51.

Feb. 1	16.62	Apr. 5	15.68	June 29	17.06	Oct. 23	16.45
Mar. 1	16.62	May 9	16.91	Sept. 1	17.09	Dec. 16	17.16

Grays Harbor

16/11W-18N4. City of Westport, observation well. Drilled observation water-table well in coarse sand and pea gravel, diameter 4 inches, depth 48 feet, cased to 48 feet. Land-surface datum is 13.00 feet above msl. Highest water level 4.11 below lsd, Feb. 7, Mar. 14, 1951; lowest 8.76 below lsd, Oct. 5, 1949. Records available: 1949-51. Measurement by City Water Department.

16/11W-18N4--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 20, 1949	5.49	July 1, 1949	6.56	Sept. 7, 1949	8.59	Jan. 5, 1951	4.21
28	5.59	6	6.70	15	8.66	Feb. 7	4.11
May 5	5.61	19	7.09	20	8.66	Mar. 14	4.11
11	5.67	26	7.00	26	8.69	Apr. 16	4.71
16	5.70	Aug. 9	7.85	Oct. 5	8.76	May 15	5.71
23	5.80	13	7.99	12	8.66	June 12	6.61
31	5.92	16	8.10	Nov. 21	7.44	July 13	7.21
June 7	6.09	19	8.18	Aug. 1, 1950	6.99	Aug. 13	7.91
14	6.19	24	8.32	Nov. 13	6.31	Sept. 8	8.51
21	6.34	31	8.39	Dec. 14	5.31	Oct. 18	7.81

King County

26/6-13N1. Elmer Pazer. Formerly Jacob De Boer. Drilled domestic and stock water-table well in fluvioglacial sand, diameter 6 inches, depth 236 feet. Land-surface datum is about 130 feet above msl. Highest water level 36.26 below lsd, Dec. 22, 1950; lowest 42.59 below lsd, Sept. 24, 1951. Records available: 1941-51. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27	38.21	Aug. 27	b43.02	Oct. 22	39.86	Nov. 26	b42.05
July 23	41.40	Sept. 24	42.59	Nov. 5	39.88	Dec. 17	41.25
Aug. 6	b43.26						

b Pumped recently.

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 feet. 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: 1932-51. Jan. 14, 49.39; Feb. 5, 48.11; June 10, 43.20; July 19, 45.36; Aug. 24, 47.65; Nov. 29, 48.98.

Kittitas County

20/15-25Q1. Mr. Ackerlund. Dug domestic water-table well in alluvium of floodplain along Yakima River, diameter 5 feet, depth 10 feet, cribbed with wood to 10 feet. Land-surface datum is about 1,905 feet above msl. Highest water level 3.18 below lsd, Mar. 12, 1949; lowest 8.65 below lsd, Oct. 28, 1947. Records available: 1946-51. Mar. 28, 5.70; May 4, 7.32; Aug. 19, 7.77; Oct. 15, 8.48; Dec. 10, 8.19.

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: 1942-51. Mar. 29, 36.54; June 12, 37.03; Aug. 15, 39.47; Oct. 10, 39.88.

Lincoln County

21/38-24G2. Clifford Daweritz. Driven unused water-table well in gravel, diameter 1½ inches, depth 22 feet, cased to 22 feet. 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: 1946-51. Apr. 2, 7.31; June 22, 12.57; Aug. 25, 15.60; Oct. 20, 16.05; Dec. 13, 14.56.

25/37-14M1. Charles Straub, Sr. Dug unused water-table well in basalt, diameter 4 feet, depth 27 feet, cribbed with brick to 27 feet. Land-surface datum is about 2,400 feet above msl. Highest water level 12.42 below lsd, June 18, 1951; lowest 22.91 below lsd, Nov. 1, 1947. Records available: 1941-51. Mar. 30, 12.96; June 18, 12.42; Aug. 20, 13.05; Oct. 16, 13.57; Dec. 11, 14.61.

Okanogan County

34/26-26Q1. City of Omak well 1. First Ave. North and East First Sts. Dug public-supply water-table well in stream gravel of Okanogan River, diameter 12 feet, depth 30 feet, lined with concrete to 30 feet. 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: 1939-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.85	Apr. 8	12.75	July 8	11.95	Oct. 9	13.53
7	13.05	15	11.95	15	12.75	14	13.45
14	13.17	22	11.21	22	12.94	21	13.40
21	13.33	29	10.95	29	13.05	28	13.35
28	13.25	May 6	10.40	Aug. 5	13.35	Nov. 4	13.38
Feb. 4	13.30	13	6.90	12	13.67	11	13.40
11	13.05	20	6.93	19	13.70	18	13.39
18	12.80	27	6.83	26	13.71	25	13.39
25	13.12	June 3	7.86	Sept. 2	13.70	Dec. 2	13.43
Mar. 4	13.20	10	7.95	9	13.50	9	13.31
11	13.29	17	8.61	16	13.53	16	13.27
18	13.22	24	9.25	23	13.61	23	13.23
25	13.23	July 1	11.17	30	13.60	30	13.15
Apr. 1	13.25						

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 feet. 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: 1939-51. Mar. 30, 32.80; June 18, 31.68; Aug. 20, 30.58; Oct. 23, 29.82; Dec. 17, 31.56.

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 feet. 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: 1939-51. Mar. 30, 13.91; June 18, 11.57; Aug. 20, 9.51; Oct. 23, 12.61; Dec. 17, 13.85.

34/26-35R1. City of Omak well 4. South end East 4 th 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 feet. 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: 1944-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	a26.10	Apr. 8	a26.15	July 8	23.82	Oct. 7	a26.90
7	a25.82	16	a26.01	15	24.10	14	a26.72
14	a25.69	22	a25.78	22	24.38	21	a26.68
21	a25.60	29	a25.50	29	24.82	28	a26.60
28	a25.70	May 6	a25.45	Aug. 5	25.52	Nov. 4	a26.64
Feb. 4	a25.67	13	a23.97	12	26.10	11	a26.68
11	a25.70	20	22.40	19	26.50	18	a26.65
18	a25.55	27	21.90	26	27.01	25	a26.64
25	a25.57	June 3	22.52	Sept. 2	a26.98	Dec. 2	a26.40
Mar. 4	a25.62	10	22.67	9	a26.74	9	a26.41
11	a25.84	17	22.84	16	a26.85	16	a26.45
18	a26.03	24	23.02	23	a26.92	23	a26.48
25	a26.06	July 1	23.65	30	a26.95	30	a26.42
Apr. 1	a26.10						

a Pumping.

36/26-13K1. Victor Lesamiz. Dug unused water-table well in fluvioglacial deposit, diameter 6 inches, depth 49 feet, cased to 49 feet. Land-surface datum is about 1,050 feet above msl. Highest water level 0.15 abovelsd, Mar. 11, 1949; lowest 35.30 below lsd, Aug. 14, 1942. Records available: 1942-51. Mar. 30, 17.13; June 18, 28.02; Aug. 20, 27.17; Oct. 23, 26.50; Dec. 17, 24.17.

40/27-21K1. City of Oroville. Formerly American Legion. Dug stock water-table well in sand and gravel, diameter 4 feet, depth 21 feet, lined with concrete to 21 feet. Land-surface datum is about 930 feet above msl. Highest water level 15.40 below lsd, June 18, 1951; lowest 20.02 below lsd, Apr. 26, 1949. Records available: 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	18.19	Apr. 24	18.92	July 5	16.23	Sept. 20	15.72
19	18.26	May 8	18.42	10	16.10	28	15.71
30	18.47	14	18.74	17	16.11	Oct. 8	15.89
Feb. 16	18.60	21	17.44	25	16.05	29	a17.04
27	18.74	June 1	17.02	30	15.96	Nov. 8	17.24
Mar. 12	18.80	8	a18.09	Aug. 7	15.79	23	17.62
28	18.91	12	17.66	20	15.79	Dec. 3	17.74
30	18.94	18	15.40	Sept. 4	15.69	14	17.98
Apr. 10	18.96	26	16.25	12	15.68	17	18.07

a Pumping.

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 feet. 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: 1946-51.

Jan. 12	7.49	Apr. 24	7.47	July 5	6.67	Sept. 20	8.01
19	7.57	May 8	7.14	10	6.83	28	7.93
30	8.46	14	5.54	17	7.29	Oct. 8	7.69
Feb. 16	7.47	21	5.04	25	7.43	29	8.01
27	7.44	June 1	a6.10	30	7.57	Nov. 8	8.02
Mar. 12	7.39	6	6.15	Aug. 7	7.50	23	7.67
28	6.49	12	6.26	20	7.82	Dec. 3	7.73
30	7.51	18	6.45	Sept. 4	7.59	14	7.74
Apr. 10	a7.76	26	6.81	12	7.72		

a Pumping.

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 feet. 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: 1939-51.

Jan. 12	17.39	May 8	16.02	July 10	15.33	Sept. 20	17.09
19	17.49	14	14.81	17	15.73	28	17.15
31	17.73	21	14.21	25	16.17	Oct. 8	17.00
Feb. 16	17.33	June 1	14.00	30	16.36	29	17.13
27	17.41	8	14.37	Aug. 7	16.70	Nov. 8	17.20
Mar. 12	17.62	12	14.50	20	17.00	23	17.26
28	17.51	26	14.71	Sept. 4	16.69	Dec. 3	17.26
Apr. 10	17.42	July 5	15.11	12	16.81	14	17.38
24	16.80						

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 11.02 below lsd, Oct. 14, 1948. Records available: 1943-51. Mar. 29, 4.08; June 12, 5.96; Aug, 15, 7.31; Oct. 10, 8.39.

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 28.86 below lsd, Oct. 10, 1951. Records available: 1950-51. Mar. 29, 22.04; June 12, 27.32; Oct. 10, 28.86.

18/2-34N1. Frank Betchard. In Roy. Dug domestic water-table well in sand and gravel, diameter 36 inches, depth 15 feet, lined with concrete to 15 feet. Land-surface datum is about 310 feet above msl. Highest water level 3.38 below lsd, Dec. 6, 1950; lowest 11.22 below lsd, Oct. 10, 1951. Records available: 1945-51. Mar. 29, 3.77; June 12, 6.93; Aug. 15, 9.20; Oct. 10, 11.22.

19/2-10F1. Lakewood Water District. Gravelly Lake Rd. and Lake City Rd. Drilled unused water-table well in gravel, diameter 12 inches, depth 174 feet. Land-surface datum is 262.64 feet above msl. Highest water level 39.92 below lsd, Apr. 24, 1951; lowest 49.67 below lsd, Jan. 5, 1945. Records available: 1940-51. Apr. 24, 39.92; June 13, 42.18; Aug. 17, 42.93; Oct. 10, 43.03.

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: 1940-51. Mar. 26, 146.30; June 13, 146.18; Aug. 15, 146.94; Oct. 10, 147.98.

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: 1940-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	14.91	Apr. 2	17.62	June 18	30.17	Sept. 3	34.38
8	13.73	9	19.46	25	30.94	10	34.50
15	15.28	17	20.73	July 2	31.67	17	34.64
22	13.73	23	21.99	9	32.33	24	34.77
29	13.73	30	23.44	16	32.76	Oct. 1	34.88
Feb. 5	13.85	May 7	24.57	23	33.08	8	35.12
12	13.73	14	25.57	30	33.38	10	35.15
19	13.73	20	26.23	Aug. 6	33.65	15	35.24
26	14.24	28	27.49	13	33.88	22	35.34
Mar. 5	16.20	June 4	28.27	15	34.08	29	35.43
12	18.09	12	29.33	20	34.08	Nov. 6	35.58
19	13.30	13	29.66	27	34.22	14	36.23
26	15.85						

20/2-13H1. City of Tacoma well 4-A. S. 38th St. and S. 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 16.72 below lsd, Oct. 31, 1945. Records available: 1930, 1932, 1934-51.

Jan. 15	13.94	Apr. 2	12.03	Oct. 4	15.19	Nov. 27	14.72
Feb. 1	13.19	May 2	12.41	Nov. 6	14.92	Dec. 27	15.79
Mar. 9	12.63	Sept. 14	15.69				

20/2-13J1. City of Tacoma well 6-A. S. 45 St. (extended) and S. 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 39.85 below lsd, Oct. 31, 1946. Records available: 1939-51.

Jan. 15	34.38	Mar. 27	32.49	Sept. 13	36.60	Nov. 27	35.32
Feb. 1	33.47	Apr. 2	32.27	Oct. 4	35.83	Dec. 27	35.55
Mar. 9	32.91	May 2	32.83	Nov. 6	36.53		

20/3-18D1. City of Tacoma well 2-A. S. 35th and Lawrence Sts. Drilled public-supply well in sand and gravel, diameter 38 to 26 inches, depth 161 feet. Land-surface datum is 244.01 feet above msl. Highest water level 19.62 below lsd, Feb. 8, 1938; lowest 35.98 below lsd, Jan. 31, 1947. Records available: 1930, 1934, 1937-51.

Jan. 1	25.83	Apr. 2	26.46	Oct. 4	28.78	Nov. 27	29.67
Feb. 1	26.83	May 2	27.03	Nov. 6	28.72	Dec. 27	27.63
Mar. 9	26.73	Sept. 13	28.69				

20/3-19P1. City of Tacoma well 1-A. S. 64 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, 1934-51.

20/3-19P1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	29.74	Mar. 29	28.64	Sept. 12	31.42	Nov. 27	30.96
Feb. 1	29.24	Apr. 2	28.69	Oct. 4	31.30	Dec. 27	30.80
Mar. 9	28.77	May 2	29.33	Nov. 6	30.99		

20/3-19P4. City of Tacoma well 11. S. 62 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 35.22 below lsd, Sept. 20, 1930. Records available: 1907-9, 1925-31, 1937-40, 1945-51.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	32.08	31.35	.....	32.02	.....	.....	.....	34.11	33.85	33.84	33.64
2	.....	32.02	31.44	31.43	32.07	.....	.....	.....	34.05	33.85	33.80	33.74
3	.....	32.09	31.54	31.45	32.08	.....	d33.93	.....	34.02	33.92	33.75	33.53
4	.....	31.89	31.90	.....	32.07	d32.79	d33.52	.....	34.01	33.99	33.76	33.41
5	.....	31.94	31.55	.....	32.10	32.66	33.49	.....	34.19	33.99	33.67	33.61
6	.....	31.94	31.48	.....	32.03	32.60	33.44	.....	34.14	33.96	33.75	33.74
7	.....	31.87	31.52	.....	32.05	32.56	33.32	.....	34.13	34.06	33.78	33.77
8	.....	31.91	.....	31.78	32.13	.....	33.21	.....	34.20	34.12	33.80	33.66
9	.....	.....	31.54	31.75	32.14	d32.80	33.14	.....	34.06	34.02	33.77	33.60
10	.....	.....	31.62	31.76	32.11	32.62	.....	.....	34.04	34.04	33.71	33.60
11	.....	.....	31.58	31.75	.....	32.51	.....	.....	34.14	34.02	33.56	33.60
12	.....	.....	31.45	31.74	.....	32.54	.....	.....	34.12	34.05	33.62	33.53
13	.....	.....	31.44	31.78	.....	32.59	.....	34.30	34.05	34.09	.....	33.55
14	.....	.....	31.51	.....	.....	32.67	.....	34.27	34.04	33.80	.....	33.64
15	.....	.....	.....	.....	.....	32.70	.....	34.23	34.06	33.81	.....	33.52
16	.....	.....	.....	31.65	.....	.....	.....	.....	33.99	33.97	d33.99	33.49
17	.....	.....	.....	31.74	.....	.....	.....	.....	34.06	34.02	33.86	33.38
18	.....	.....	.....	31.80	.....	.....	.....	.....	33.89	33.94	33.71	33.43
19	.....	d31.76	.....	31.83	.....	.....	.....	.....	33.83	33.92	33.65	33.60
20	.....	31.62	.....	31.85	32.19	.....	.....	.....	33.85	33.98	33.69	33.64
21	.....	31.61	.....	31.90	.....	.....	.....	.....	33.87	33.92	33.78	33.61
22	32.17	31.50	.....	31.82	.....	.....	.....	.....	33.90	33.88	33.79	.....
23	32.14	31.42	.....	31.79	.....	.....	.....	.....	34.00	.....	33.77	.....
24	32.06	31.32	.....	31.87	.....	.....	.....	.....	33.97	.....	33.72	d33.86
25	.....	31.30	.....	31.96	.....	.....	.....	.....	34.00	.....	33.60	.....
26	.....	31.30	.....	32.01	.....	.....	.....	d34.51	33.94	.....	33.65	.....
27	.....	31.32	.....	.....	.....	.....	.....	d34.30	34.02	.....	33.67	d33.52
28	.....	31.38	.....	.....	.....	.....	.....	34.14	34.01	d33.91	33.74	33.38
29	d32.31		.....	32.04	32.78	.....	.....	34.13	34.06	33.79	33.72	33.36
30	32.19		.....	31.96	32.49	.....	.....	34.17	33.92	33.85	33.61	33.45
31	32.14		.....		32.65		.....	34.14		33.86		33.60

d Nearby well pumped recently.

20/3-30C2. City of Tacoma well 5. S. 64th St. and Clement Ave. Drilled observation water-table well in sand and gravel, diameter 12 to 10 inches, depth 244 feet. Land-surface datum is 267.38 feet above msl. Highest water level 33.72 below lsd, Mar. 31, 1938; lowest 41.22 below lsd, Oct. 31, 1949. Records available: 1908-9, 1925-31, 1937-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	35.54	Apr. 30	35.36	Aug. 2	d41.49	Oct. 31	37.21
Feb. 27	34.59	May 29	36.15	29	37.52	Nov. 28	37.09
Mar. 28	34.74	July 1	d38.58	Sept. 28	37.37		

d Nearby well pumped recently.

20/3-30C4. City of Tacoma well 8-A. S. 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 39.62 below lsd, Nov. 1, 1949. Records available: 1939-51.

Jan. 5	35.71	Apr. 2	34.53	Oct. 4	37.01	Nov. 27	36.33
Feb. 1	34.93	May 2	35.20	Nov. 6	36.75	Dec. 27	37.71
Mar. 9	34.48	Sept. 12	38.06				

20/3-30L5. City of Tacoma well 7-A. S. 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: 1939-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	19.04	Apr. 2	19.03	Oct. 4	21.08	Nov. 27	21.07
Feb. 1	18.88	May 2	19.72	Nov. 6	21.25	Dec. 27	20.91
Mar. 9	18.85	Sept. 12	21.04				

20/3-30N1. City of Tacoma well 3-A. S. 78th St. (extended) and S. Warner St. Drilled public-supply water-table well in gravel, diameter 38 to 26 inches, depth 313 feet. Land-surface datum is 271.63 feet above msl. Highest water level 36.00 below lsd, Apr. 24, 1935; lowest 43.10 below lsd, Nov. 22, 1932. Records available: 1931-51.

Jan. 5	36.85	Apr. 2	36.32	Oct. 4	39.22	Nov. 27	39.31
Feb. 1	36.31	May 2	37.22	Nov. 6	39.23	Dec. 27	39.04
Mar. 9	36.16	Sept. 12	39.14				

20/3-35G1. I. S. Broxson. E. 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 feet. 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: 1940-51.

Jan. 8	180.25	Apr. 9	178.62	July 9	179.24	Oct. 7	179.81
14	180.25	16	178.57	16	179.31	10	179.85
21	180.07	24	178.63	22	179.37	15	179.85
28	179.94	29	178.64	30	179.42	21	179.89
Feb. 5	179.77	May 7	178.67	Aug. 7	179.49	29	179.97
12	179.62	13	178.74	12	179.52	Nov. 5	180.00
18	179.05	21	178.81	15	a180.22	11	180.00
27	179.17	28	178.91	20	179.70	18	180.02
Mar. 4	178.93	June 4	178.97	26	179.57	25	180.05
11	178.57	10	178.92	Sept. 2	179.67	Dec. 2	180.09
18	178.57	13	178.98	10	179.69	13	180.20
25	178.67	18	179.17	16	179.71	16	180.17
26	178.59	24	179.14	23	179.79	26	180.22
Apr. 1	178.64	July 1	179.17	30	179.77	30	180.22

a Pumping.

20/4-36H2. Frank Chervenka. Pioneer Way and Sumner-Orting road. 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: 1938-51. June 13, 6.49; Aug. 15, 7.72, pumped recently; Oct. 10, 7.51.

Snohomish County

27/4-30A2. Don Schaffer. State Highway No. 1 and 212th St. S. Drilled unused water-table well in sand of Pleistocene age, diameter 5 inches, depth 180 feet. Land-surface datum is about 410 feet above msl. Highest water level 133.84 below lsd, Aug. 16, 195"; lowest 144.20 below lsd, May 18, 1945. Records available: 1945-51. Mar. 27, 134.90; June 14, 133.92; Aug. 16, 133.84; Oct. 12, 134.18.

28/4-13H1. A. H. Dorr. 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 feet. Land-surface datum is about 530 feet above msl. Highest water level 3.11 below lsd, Feb. 27, 1946; lowest 10.33 below lsd, Sept. 18, 1950. Records available: 1945-51. Mar. 27, 5.36; June 14, 7.46; Aug. 16, 9.79; Oct. 12, 9.24.

29/5-2F1. L. Falkner. Dug domestic water-table well in sand of Pleistocene age, diameter 6 feet, depth 115 feet, lined with concrete to 115 feet. 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: 1944-51. Mar. 27, 110.17; June 14, 110.34; Aug. 16, 111.15; Oct. 12, 111.34.

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 feet. Land-surface datum is about 75 feet above msl. Highest water level 15.18 below lsd, Mar. 27, 1951; lowest 23.99 below lsd, Nov. 18, 1949. Records available: 1944-51. Mar. 27, 15.18; June 14, 20.29; Aug. 16, 22.51; Oct. 12, 23.47.

31/5-10J3. J. W. Monigar. Drilled domestic water-table well in sand of Pleistocene age, 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 28.40 below lsd, Oct. 12, 1951. Records available: 1945-51. Mar. 27, 23.65; June 14, 25.40; Aug. 16, 27.82; Oct. 12, 28.40.

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 127.61 below lsd, Aug. 16, 1951; lowest 133.93 below lsd, Nov. 18, 1949. Records available: 1946-51. Mar. 27, 127.89; June 14, 127.80; Aug. 16, 127.61; Oct. 12, 127.66.

Spokane County

24/41-10A1. Delbert Kramer. Drilled domestic and stock water-table well in basalt, diameter 6 inches, depth 185 feet. Land-surface datum is about 2,365 feet above msl. Highest water level 29.62 below lsd, Apr. 1, 1951; lowest 44.01 below lsd, Oct. 9, 1943. Records available: 1942-51. Apr. 1, 29.62; June 22, 29.98; Aug. 24, 36.72; Oct. 17, 32.23; Dec. 15, 32.49. Measurement discontinued.

25/42-13B1. Empire Cold Storage Co. Washington Water Power Co. well 90. Spokane. Sinto Ave. and Oak St. Dug industrial water-table well in fluvioglacial gravel, diameter 41 inches, depth 200 feet, lined with concrete to 200 feet. Land-surface datum is 1,883.37 feet above msl. Pumping at time of measurement. Highest water level 179.17 feet below lsd, June 13, 1950; lowest 193.42 below lsd, Nov. 4, 1946. Records available: 1930-51. Mar. 31, 185.81; June 19, 184.71; Aug. 21, 192.02; Oct. 19, 190.70; Dec. 14, 187.83.

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 feet, perforated from 82 feet to 100 feet. 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: 1941-51.

Jan.	2	92.37	Mar.	24	91.32	June	11	90.09	Sept.	21	98.44
	4	92.14		26	91.43		13	90.65		24	98.42
	6	91.98		28	91.56		15	91.47	Oct.	1	98.43
	8	91.88		31	91.73		18	91.62		3	98.28
	10	92.00	Apr.	2	91.84		20	92.10		8	97.82
	13	92.25		4	91.90		22	92.44		11	97.83
	15	92.28		6	91.94	July	2	93.23		16	97.79
	18	92.43		9	91.80		5	93.58		17	97.76
	20	92.61		11	91.65		7	93.73		20	97.66
	22	92.76		14	91.43		9	93.69		23	97.50
	24	92.83		17	91.19		12	94.38		27	97.09
	27	92.67		19	91.03		16	94.53		30	96.88
	29	92.48		21	90.93		23	95.72	Nov.	2	96.69
	31	92.37		23	90.66		30	95.97		6	96.54
Feb.	2	92.44		25	90.65	Aug.	1	96.39		9	96.43
	5	92.57		28	90.59		3	96.58		13	96.30
	7	92.55		30	90.38		6	96.54		17	96.24
	9	92.52	May	2	90.33		8	96.97		21	96.15
	12	92.09		5	90.35		10	97.09		24	96.11
	15	91.12		7	90.22		13	97.06		26	96.04
	17	90.47		9	90.17		15	97.42		28	95.99
	20	89.76		11	90.19		16	97.50	Dec.	1	95.88
	24	89.32		14	90.00		20	97.57		5	95.34
	26	89.31		16	89.91		22	97.91		7	95.02
	28	89.38		18	89.90		24	97.97		11	94.86
Mar.	3	89.60		21	89.68	Sept.	4	97.88		13	94.90
	6	89.88		24	89.82		7	98.09		14	94.96
	8	90.14		26	89.81		8	98.10		18	95.01
	10	90.45		28	89.60		10	98.07		24	95.23
	12	90.69		31	89.65		12	98.20		26	95.28
	16	91.03	June	4	89.82		15	98.31		28	95.29
	19	91.08		6	89.82		17	98.24		29	95.26
	21	91.14		9	89.92		19	98.37			

25/43-11G3. City of Spokane well 3. Trent Ave. and Waterworks St. Dug public-supply water-table well in fluvioglacial gravel, diameter 24 feet, depth 41 feet, lined with concrete to 41 feet. 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: 1938-51. Mar. 31, 22.31, nearby well being pumped; June 19, 23.92, nearby well being pumped; Aug. 22, 28.47, nearby well being pumped; Oct. 17, 26.99, nearby well being pumped; Dec. 12, 24.78, nearby well being pumped.

25/43-11G6. City of Spokane gage well 1. Trent Ave. and Waterworks St. Dug observation water-table well in fluvioglacial gravel, diameter 30 inches, depth 64 feet, lined with concrete to 64 feet. Land-surface datum is 1,934.31 feet above msl. Highest water level 39.07below lsd,Dec. 26, 27,1933;lowest 60.87 below lsd, July 9, 1931. Records available: 1926-51. Mar. 31, 52.27; June 19, 54.78; Aug. 22, 58.39; Oct. 17, 57.71; Dec. 12, 55.94.

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 feet. 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: 1929-51. Apr. 1, 63.43; June 19, 65.03; Aug. 22, 69.48; Oct. 17, 67.66; Dec. 12, 65.75.

25/43-14K1. Ohio Match Co. Washington Water Power Co. well 3. Broadway and Yardley Sts. Dug unused water-table well in fluvioglacial gravel, diameter 41 inches, depth 83 feet, lined with concrete to 83 feet. 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: 1920-51. June 21, 44.77; Aug. 22, 48.99; Oct. 17, 47.90; Dec. 12, 45.62.

25/43-17D1. New Method Laundry. Washington Water Power Co. well 88. Mission Ave. and Pearl St. Dug industrial water-table well in fluvioglacial gravel, diameter 30 inches, depth 63 feet, cribbed with brick to 63 feet. 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: 1928-51. Mar. 31, 46.02; June 19, 47.60, pumping; Aug. 21, 49.45; Oct. 19, 49.55, pumping; Dec. 14, 47.53, pumping.

25/44-2B1. Trentwood Irrigation District. Washington Water Power Co. well 49. Dug public-supply water-table well in fluvioglacial gravel, diameter 6 feet, depth 127 feet, lined with concrete to 127 feet. 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: 1928-51. June 19, 93.21; Aug. 22, 99.65, pumping; Oct. 17, 98.95; Dec. 12, 97.73.

25/44-15E1. Modern Electric Co. well 5. Washington Water Power Co. well 15. Records available: 1914-50. No measurement made in 1951.

25/44-19D1. Edgecliff Sanitarium. Washington Water Power Co. well 5. U. S. Highway10 and Park Rd. Dug public-supply water-table well in fluvioglacial gravel, diameter 60 inches to 29 inches, depth 88 feet. Land-surface datum is 1,969.57 feet above msl. Highest water level 67.97 below lsd, June 13, 1950; lowest 82.82 below lsd, Dec. 8, 1931. Records available: 1920, 1928-51. June 19, 74.48; Aug. 22, 81.62, pumped recently; Oct. 17, 81.05; Dec. 12, 77.35.

25/44-21J1. Modern Electric Water Co. well 3. Washington Water Power Co. well 17. Records available: 1912-14, 1920, 1926-50. No measurement made in 1951.

25/44-22N1. Modern Electric Water Co. well 7. Records available: 1942-50. No measurement made in 1951.

25/44-23D1. E. E. Gooding. Washington Water Power Co. well L. A. L. U. S. Highway 10 and Evergreen Rd. Dug irrigation water-table well in fluvioglacial gravel, diameter 48 inches to 18 inches, depth 97 feet, lined with concrete to 97 feet. Land-surface datum is 2,016.74 feet above msl. Highest water level 77.85 below lsd, Apr. 8, 1950; lowest 95.40, Dec. 8, 1931. Records available: 1931-51. Apr. 1, 85.31; June 21, 84.72, pumping; Aug. 22, 90.20; Oct. 17, 89.85.

25/45-10C1. Mrs. George Clark. Washington Water Power Co. well 41. Dug unused water-table well in fluvioglacial gravel, diameter 36 inches, depth 67 feet, lined with terra cotta tile. Land-surface datum is 2,019.54 feet above msl. Highest water level 45.12 below lsd, June 29, 1950; lowest 68.73, Sept. 20, 1930. Records available: 1928-51. Apr. 1, 53.68.

25/45-16C1. Inland Empire Paper Co. Washington Water Power Co. well 38. 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 88.85 below lsd, June 29, 1950; lowest 114.53 below lsd, Dec. 8, 1931. Records available: 1920, 1929-51. Feb. 14, 96.38; Apr. 1, 96.94; June 19, 94.82; Aug. 22, 99.79, pumping; Oct. 17, 101.48; Dec. 12, 99.72.

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 feet. Land-surface datum is about 1,795 feet above msl. Highest water level 74.35 below lsd, July 28, 1949; lowest 79.63, Apr. 7, 1948. Records available: 1942-51. Mar. 31, 74.70; June 19, 74.39; Aug. 21, 75.18; Oct. 17, 75.39; Dec. 12, 75.88.

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. Nearby well being pumped. Highest water level 155.40 below lsd, May 19, 1948; lowest 162.20 below lsd, Nov. 13, 20, and 27, 1944. Records available: 1943-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	160.30	Apr. 18	159.93	Aug. 1	159.70	Oct. 17	160.50
10	159.89	25	159.62	8	159.85	24	160.54
17	159.87	May 2	159.62	15	159.90	31	160.67
24	159.84	9	159.34	22	160.01	Nov. 7	160.60
31	159.94	16	159.23	29	160.15	14	160.69
Mar. 3	159.59	23	159.25	Sept. 5	160.26	21	160.71
7	159.80	30	159.21	12	160.41	28	160.83
14	159.65	July 4	159.50	19	160.39	Dec. 5	160.90
21	159.60	11	159.45	26	160.30	12	160.76
28	159.52	18	159.51	Oct. 3	160.34	19	160.85
Apr. 4	159.47	25	159.62	10	160.32	26	160.91
11	159.72						

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 feet. 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: 1930-51. Apr. 25, 135.01, pumping; May 2, 134.53, pumping; June 19, 136.10, pumping; Aug. 21, 136.29, pumping; Oct. 17, 137.12, pumping; Dec. 12, 136.64, pumping.

26/43-34P1. Great Northern Railway Co. Washington Water Power Co. well 80. Hillyard railroad yard. Dug railroad water-table well in fluvioglacial gravel, diameter 6 to 4 feet, depth 240 feet, cribbed with brick to 164 feet and steel casing to 240 feet. Land-surface datum is 2,035.98 feet above msl. Highest water level 163.12 below lsd, May 15, 1928; lowest 179.85 below lsd, Oct. 5, 1945. Records available: 1928-51. June 19, 172.92; Aug. 21, 177.75, pumped recently; Dec. 12, 171.11.

26/44-32R1. Hutton Settlement. Washington Water Power Co. well 46. Dug institutional and irrigation water-table well in fluvioglacial gravel, diameter 72 to 46 inches, 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: 1928-51. June 19, 92.33, pumped recently; Aug. 22, 97.88.

Thurston County

16/1W-19G1. Town of Tenino. Garfield and Sheridan Sts. Dug unused water-table well in fluvioglacial gravel, size 10 by 10 feet, depth 42 feet. Land-surface datum is about 138 feet above msl. Highest water level 3.27 below lsd, Dec. 6, 1950; lowest 13.12 below lsd, Sept. 30, 1944. Records available: 1941-51. Mar. 29, 4.99; June 12, 7.56; Aug. 15, 9.54; Oct. 10, 11.83.

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 31.28 below lsd, Oct. 10, 1951. Records available: 1947-51. Mar. 29, 14.22; June 12, 23.39; Aug. 15, 27.84; Oct. 10, 31.28.

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: 1947-51. Mar. 29, 35.07; June 12, 39.55; Aug. 15, 40.71; Oct. 10, 39.95.

17/1W-4C2. W. R. Rowe. Drilled domestic water-table well in sand and gravel, diameter 8 inches, depth 36 feet, cased to 36 feet. Land-surface datum is about 200 feet above msl. Highest water level 17.72 below lsd, Mar. 29, 1951; lowest 29.41 below lsd, Sept. 28, 1950. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 3, 1949	21.47	June 26, 1950	23.42	Mar. 29, 1951	17.72	Aug. 15, 1951	27.35
Dec. 26	28.14	Sept. 28	29.41	June 12	22.39	Oct. 10	28.42
Apr. 27, 1950	19.07	Dec. 6	26.97				

17/2-19M2. Town of Yelm. Northern Pacific Railway tracks and State Highway 5-I. Drilled unused water-table well in glacial sand and gravel, diameter 8 inches, depth 97 feet, cased to 97 feet. Land-surface datum is about 350 feet above msl. Highest water level 28.84 below lsd, Dec. 18, 1951; lowest 31.46 below lsd, Nov. 6, 1951. Records available: 1951.

July 31	29.75	Sept. 11	30.75	Oct. 23	31.34	Dec. 4	30.56
Aug. 14	30.12	25	31.01	Nov. 6	31.46	18	28.84
28	30.47	Oct. 9	31.19	20	31.38		

Walla Walla County

6/35-16B1. Claude Winn. Dug and drilled irrigation water-table well in alluvial gravel, diameter 48 to 8 inches, depth 74 feet. Land-surface datum is 730.81 feet above msl. Highest water level 0.64 below lsd, Jan. 15, 1937; lowest 9.28 below lsd, July 7, 1949. Records available: 1933, 1935-51. Jan. 25, 3.26; Aug. 7, 4.50; Sept. 8, 4.17; Oct. 15, 3.11.

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 feet. 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: 1946-51. Mar. 27, 54.84; June 14, 56.52; Aug. 16, 57.05; Oct. 12, 57.73.

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: 1938-51. Mar. 27, 67.15; June 14, 67.84; Aug. 16, 76.83, pumped recently.

40/3-15E1. Boyd Shea. Drilled unused water-table well in sand, diameter 10 inches, depth 68 feet. Land-surface datum is about 100 feet above msl. Highest water level 10.77 below lsd, Mar. 3, 1951; lowest 15.24 below lsd, Oct. 12, 1951. Records available: 1947-51. Mar. 3, 10.77; June 14, 13.68; Aug. 16, 14.50; Oct. 12, 15.24. Measurement discontinued.

41/1-31Q1. City of Blaine. Twelfth and G. Sts. Drilled unused artesian well in fluvioglacial 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, 1944-51. Mar. 27, +22.0; June 14, +21.0; Aug. 16, +20.0; Oct. 12, +21.0.

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 55.70 below lsd, Dec. 13, 1951. Records available: 1932, 1934-51. Apr. 2, 56.09, pumping; June 22, 56.74, pumping; Aug. 25, 56.93, pumping; Oct. 20, 57.84, pumping; Dec. 13, 55.70.

14/45-5B1. Washington State College well 1. Drilled 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 39.06 below lsd, Aug. 25, 1951. Records available: 1935-51. Apr. 2, 38.02, nearby well being pumped; June 22, 38.68, nearby well being pumped; Aug. 25, 39.06; Oct. 20, 38.33; Dec. 13, 38.66.

14/45-5D2. Standard Lumber Co. U. S. Highway 195 and Grand St., Pullman. Drilled unused artesian well in basalt, diameter 6 inches, depth 162 feet. Land-surface datum is 2,336.35 feet above msl. Highest water level 7.07 feet above lsd, Mar. 7, 1935; lowest 12.05 below lsd, Dec. 13, 1951. Records available: 1933-51. Apr. 2, 10.55, nearby well being pumped; June 22, 11.10, nearby well being pumped; Dec. 13, 12.05.

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 11.95 below lsd, Sept. 28, 1936. Records available: 1934-51. Apr. 2, 3.12; June 22, 3.24; Aug. 25, 6.82; Oct. 20, 6.56; Dec. 13, 5.90.

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 feet. 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, 1942-51. Apr. 2, 3.44; June 22, 4.98; Aug. 26, 5.89; Oct. 20, 5.96; Dec. 13, 5.83.

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 2.26 below lsd, Mar. 22, 1948; lowest 5.34 below lsd, Aug. 24, 1951. Records available: 1945-51. Apr. 2, 2.37; June 22, 2.67; Aug. 24, 5.34; Oct. 20, 2.38; Dec. 13, 2.39.

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: 1940-51. Apr. 2, 7.18; June 22, 9.17; Aug. 24, 12.86; Oct. 20, 12.87; Dec. 13, 10.69.

WYOMING

By H. M. Babcock

Scope of Water-Level Program

The observation-well program in Wyoming was continued in 1951 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. In addition to the water-level measurements for 102 wells given in this report many additional water-level measurements were made during project studies and have been published in the project reports. The following is a list of ground-water reports prepared in 1951 which contain tabulations of water-level measurements: Ground-water resources of the Paintrock irrigation project, U. S. Geol. Survey Circular 96; Reconnaissance of the geology and ground-water resources of the Horse-Bear area, Laramie and Goshen Counties, U. S. Geol. Survey Circular 162; and Reconnaissance of the geology and ground-water resources of the Glendo-Wendover area, Platte County, U. S. Geol. Survey Circular 163. For observation wells in Wyoming see figures 24-29.

Interpretation of Water-Level Fluctuations

Water levels fluctuate in response to precipitation, surface runoff in streams, amount of irrigation water applied in irrigated areas, the amount of water pumped from the ground, and to the amount of ground water withdrawn by plants. In the Egbert-Pine Bluffs-Carpenter area, Laramie County, water levels are at about the same level as in 1941 indicating that the ground-water reservoir in the area has not been overdeveloped under present climatic conditions. Water levels in the Cheyenne municipal well field, Laramie County, fluctuated with the changes in pumping rate throughout the year, but rose an average of about 0.2 foot during the year, and indicated that approximate equilibrium of the water level had been established with the 1951 rate of pumping. In the irrigated areas along the North Platte River in Goshen County the application of irrigation water causes large seasonal fluctuations of water levels in wells. The water levels rise rapidly when water is applied to the land in the spring and continue to rise until irrigation is discontinued in the fall. The September high for 1951 was about 0.2 foot lower than the September high for 1950. In the upland areas in Goshen County, away from the irrigated land, water levels fluctuated very little during the past year. In the Wheatland Flats area, Platte County, water levels declined steadily from the seasonal high of September 1950 until the beginning of the irrigation season in the spring of 1951. Water levels rose rapidly as soon as irrigation water was applied to the land and continued to rise until September 1951, at which time the water levels reached about the same stage as the previous highs of September 1950, 49, and 48. During the past year there has been no significant change in water levels in the Pass Creek Flats area, Carbon County; the Laramie Plains, Albany County; the La Prele area, Converse County; the Owl Creek Project, Hot Springs County; the Paintrock Project, Big Horn County; and the Riverton Project, Fremont County. Water levels in wells in these areas followed about the same seasonal fluctuations in 1951 as they did in 1950.

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 lower-case letters, a, b, c, and d, following the section number indicate the location of the well within the section; the first letter denotes the quarter section (160-acre tract), the second the quarter-quarter section (40-acre tract), and the third the quarter-quarter-quarter section (10-acre tract). The letters are assigned in a counter-clockwise direction, beginning in the northeast quarter. If the location is known within a 10-acre tract, three lower-case letters are shown in the well number. The diagram on page 40 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 located in the north-east, 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.

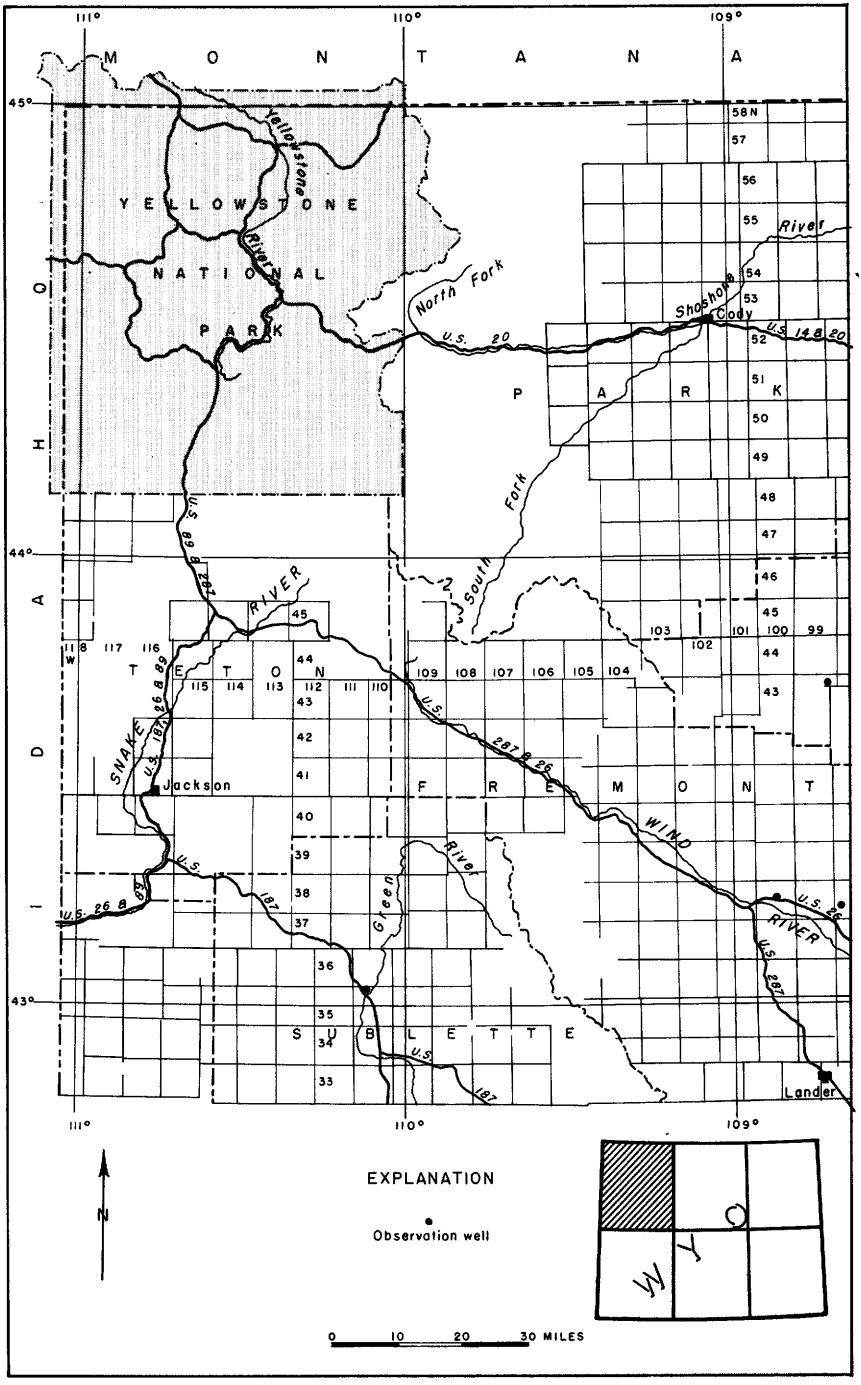


Figure 24. --Location of observation wells in northwestern Wyo., 1951.

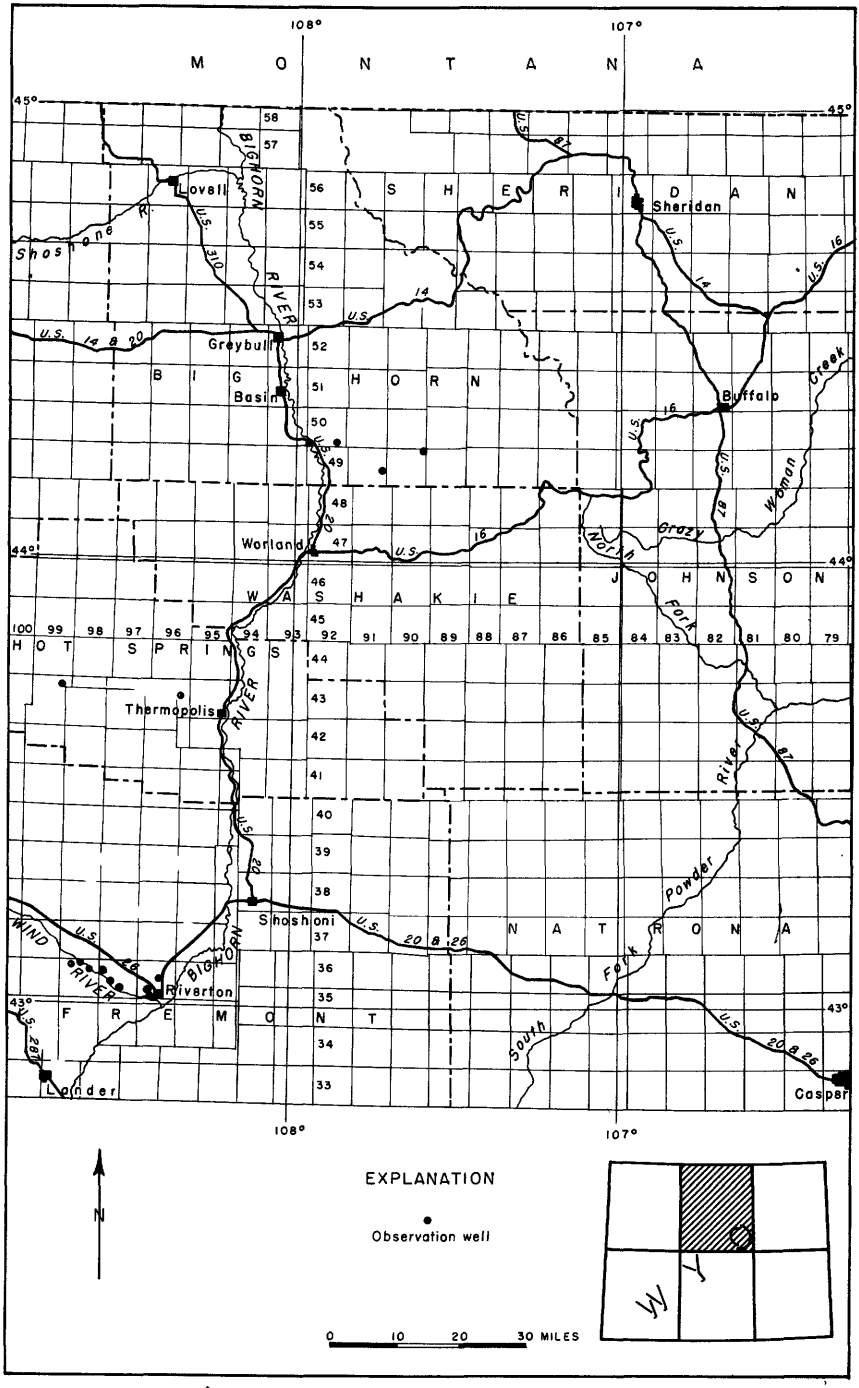


Figure 25.--Location of observation wells in north-central Wyo., 1951.

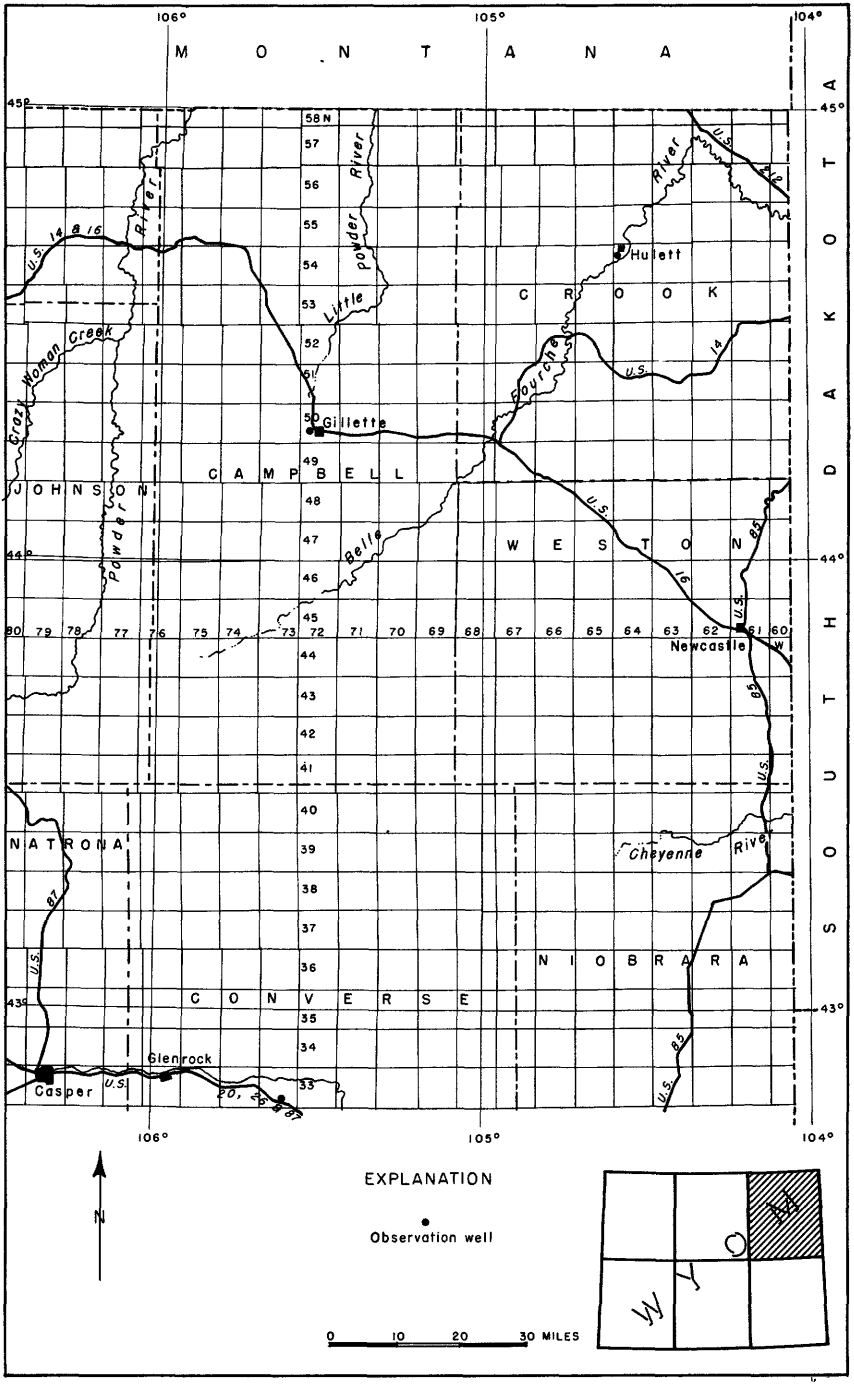


Figure 26. --Location of observation wells in northeastern Wyo., 1951.

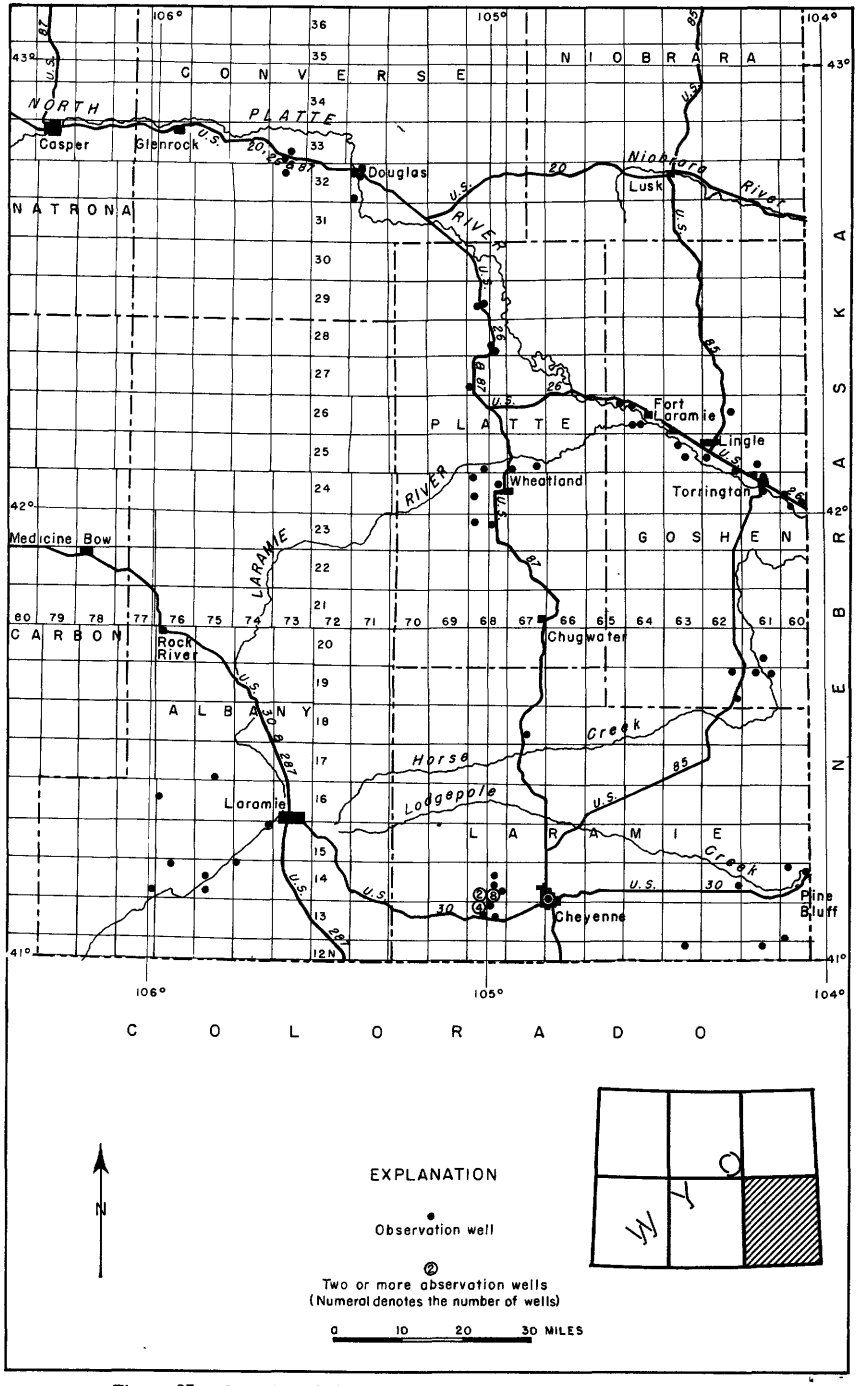


Figure 27. --Location of observation wells in southeastern Wyo., 1951.

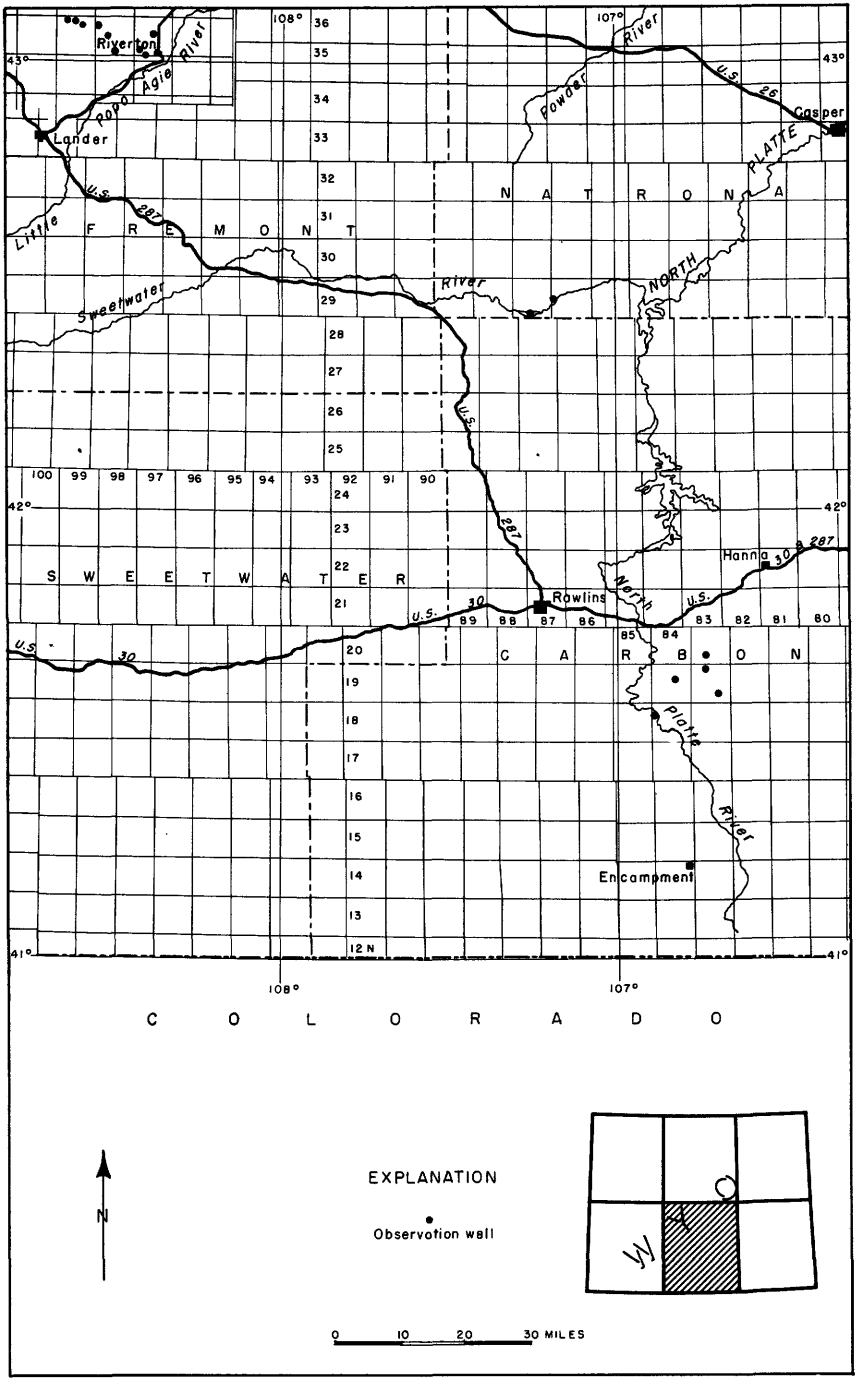


Figure 28.--Location of observation wells in south-central Wyo., 1951.

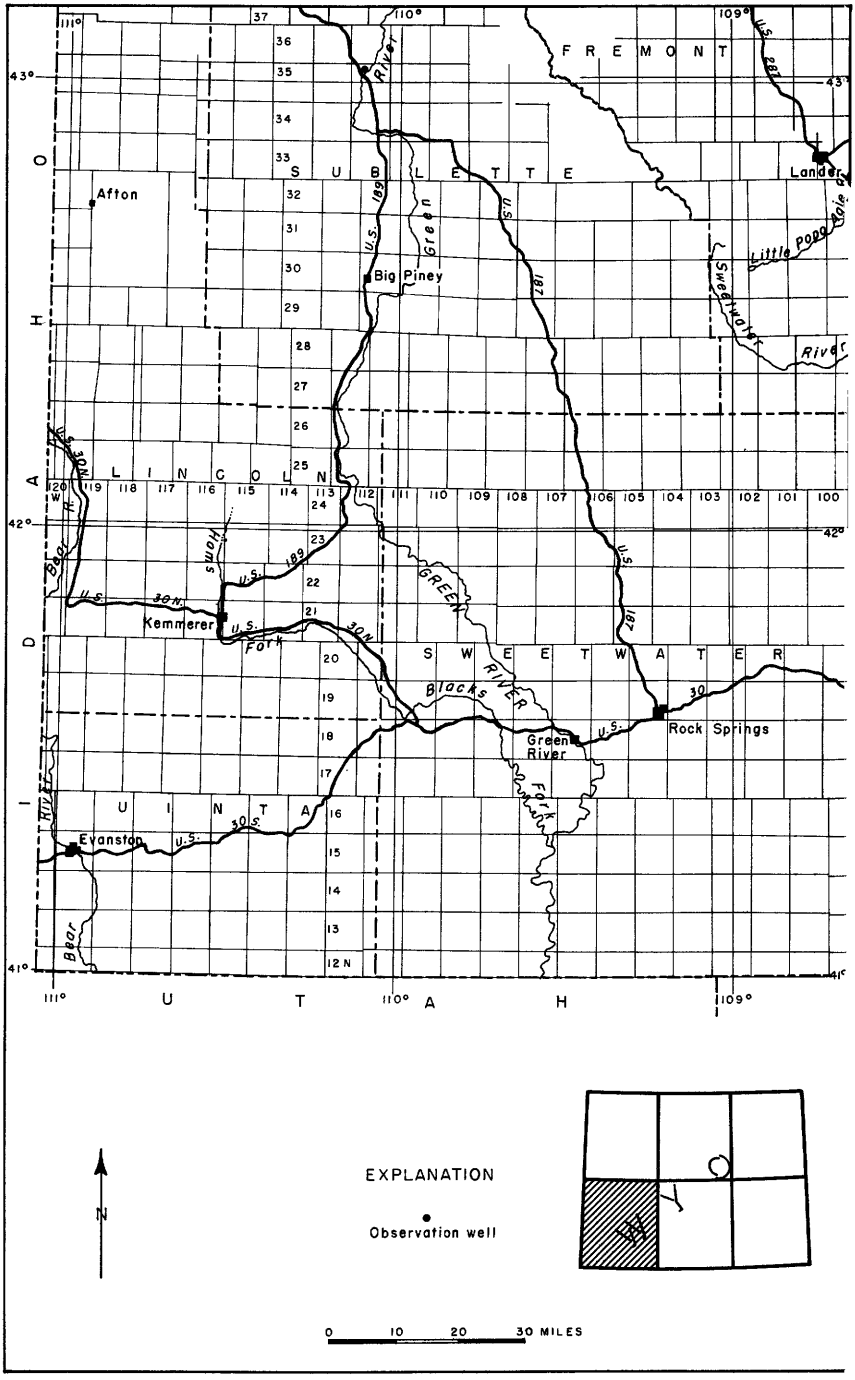


Figure 29.--Location of observation wells in southwestern Wyo., 1951.

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 5.89 below lsd, Sept. 21, 1951. Records available: 1948-51. Jan. 22, 5.16; Mar. 22, 5.23; May 24, 3.72; July 23, 5.22; Sept. 21, 5.89.

14-75-17aac. Ray Moeller. Dug domestic and stock water-table well in gravel of terrace deposits, diameter 48 inches, 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: 1948-51. Jan. 22, 6.87; May 24, 5.29; July 23, 4.64; Sept. 21, 6.34.

14-75-29adb. Oda Mason. Dug unused water-table well in alluvium, diameter 60 inches, 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: 1948-51. Jan. 22, 4.58; Mar. 22, 5.09; May 24, 1.61; July 23, 4.64; Sept. 21, 5.07.

14-76-4aab. John A. Conners. Formerly Elwood Hanson. 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 6.48 below lsd, Sept. 21, 1951. Records available: 1948-51. Jan. 22, 5.68; Mar. 22, 5.53; May 24, 4.34; July 23, 5.16; Sept. 21, 6.48.

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: 1948-51. Jan. 22, 26.64; Mar. 22, 26.93; May 24, 30.62; July 23, 29.58; Sept. 21, 24.92.

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 6.67 below lsd, Mar. 22, 1951. Records available: 1948-51. Jan. 22, 5.03; Mar. 22, 6.67; May 24, 5.57; July 23, 3.65; Sept. 21, 4.39.

16-76-18dbb. Dr. Markley. Drilled unused water-table well in alluvium, diameter 6 inches, reported depth 15 feet. Land-surface datum is 7,329.4 feet above msl. Highest water level 0.00 below lsd, July 23, 1951; lowest 5.74 below lsd, Sept. 22, 1949. Records available: 1948-51. Jan. 22, 3.95; Feb. 10, 3.87; Mar. 22, 4.49; May 24, 0.00; July 23, 0.00; Sept. 21, 5.41.

17-75-34cdd. Ralph May. Dug unused water-table well in alluvium, diameter 48 inches, 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: 1948-51. Jan. 22, 5.83; Feb. 10, 5.83; Mar. 22, 4.32; May 24, 2.93; July 23, 3.72; Sept. 21, 5.27.

Big Horn County

49-90-1daa1. Owner unknown. Dug unused water-table well in sand and gravel of alluvium, diameter 48 inches, 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 9.40 below lsd, Mar. 29, 1951. Records available: 1947-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	8.43	Apr. 27	9.37	July 31	6.98	Nov. 6	8.41
Feb. 26	9.25	May 29	5.53	Sept. 5	7.45	Dec. 7	8.63
Mar. 29	9.40	June 28	6.17	Oct. 3	8.05		

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: 1947-51.

Jan. 30	9.95	Apr. 27	10.30	July 31	14.98	Nov. 7	13.30
Feb. 26	12.57	May 29	12.78	Sept. 5	18.11	Dec. 7	10.70
Mar. 29	10.91	June 28	15.35	Oct. 3	17.10		

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 77.90 below lsd, Sept. 20, 1950. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	77.16	Mar. 22	77.08	June 4	77.34	Oct. 3	77.26
Feb. 5	77.12	Apr. 2	77.29	July 12	77.53	Nov. 6	77.76
21	77.15	27	76.64	Sept. 4	76.21	Dec. 3	77.54
Mar. 9	77.29						

Carbon County

18-84-7dad. H. G. Carpening. Dug domestic water-table well in sand and gravel of alluvium, diameter 72 inches, 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: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 26, 1950	7.76	Nov. 17, 1950	9.53	Mar. 23, 1951	9.12	June 25, 1951	6.47
Sept. 19	9.58	Dec. 12	9.41	Apr. 26	8.98	July 31	8.39
Oct. 27	9.83	Feb. 10, 1951	9.08	May 23	8.71	Sept. 22	9.58

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 7.80 below lsd, Sept. 22, 1951. Records available: 1950-51.

July 25, 1950	6.89	Nov. 17, 1950	7.20	Mar. 23, 1951	6.78	June 25, 1951	4.14
Sept. 18	7.51	Dec. 12	7.06	Apr. 26	6.61	July 31	4.35
Oct. 27	7.62	Feb. 10, 1951	6.75	May 23	3.91	Sept. 22	7.80

19-83-26cad. R. Welton. Dug stock water-table well in sand and gravel of alluvium, diameter 72 inches, depth 10 feet, cribbed with wood to 10. Highest water level 0.23 below lsd, July 31, 1951; lowest 2.72 below lsd, Sept. 22, 1951. Records available: 1950-51.

Sept. 19, 1950	2.08	Dec. 12, 1950	0.71	Apr. 26, 1951	0.55	July 31, 1951	0.23
Oct. 27	2.31	Feb. 10, 1951	.68	June 25	.24	Sept. 22	2.72
Nov. 17	1.42	Mar. 23	.95				

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 115.07 below lsd, July 31, 1951; lowest 116.23 below lsd, Nov. 17, 1950. Records available: 1950-51.

Sept. 19, 1950	115.44	Dec. 12, 1950	115.19	May 23, 1951	115.62	July 31, 1951	115.07
Oct. 27	116.08	Mar. 23, 1951	115.33	June 25	115.29	Sept. 22	115.12
Nov. 17	116.23	Apr. 26	115.29				

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 17.03 below lsd, Dec. 12, 1950; lowest 18.35 below lsd, Aug. 1, 1950. Records available: 1950-51.

Aug. 1, 1950	18.35	Nov. 17, 1950	18.07	Mar. 23, 1951	18.29	June 25, 1951	17.14
Sept. 18	18.20	Dec. 12	17.03	Apr. 26	17.57	July 31	17.06
Oct. 27	18.27	Feb. 10, 1951	18.24	May 23	17.40	Sept. 22	17.16

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 7.32 below lsd, Sept. 25, 1950; lowest 13.96 below lsd, June 26, 1951. Records available: 1950-51.

Aug. 3, 1950	10.97	Nov. 15, 1950	8.51	Mar. 28, 1951	11.98	July 25, 1951	13.71
17	9.91	Dec. 11	8.79	Apr. 25	12.87	Sept. 20	10.09
Sept. 25	7.32	Feb. 9, 1951	9.68	May 22	13.41	Oct. 27	8.08
Oct. 26	8.02	28	11.02	June 26	13.96		

32-71-8acb. U. S. Geological Survey. Driven observation water-table well in sand and gravel of alluvium, diameter 2 inches, depth 8 feet, cased to 8. Highest water level 2.32 below lsd, July 25, 1951; lowest 5.36 below lsd, Oct. 26, 1950. Records available: 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 24, 1950	2.47	Dec. 11, 1950	2.46	Apr. 25, 1951	4.97	July 25, 1951	2.32
Sept. 25	2.65	Feb. 9, 1951	4.93	May 22	3.42	Sept. 20	3.12
Oct. 26	5.36	28	5.06	June 26	3.62	Oct. 27	3.30
Nov. 15	5.24	Mar. 28	5.26				

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: 1950-51.

July 10, 1950	20.32	Nov. 15, 1950	13.92	Mar. 28, 1951	13.88	July 25, 1951	14.49
Aug. 24	14.36	Dec. 11	13.86	Apr. 25	14.23	Sept. 20	13.97
Sept. 25	14.17	Feb. 9, 1951	13.34	May 23	13.92	Oct. 27	14.08
Oct. 26	14.04	28	13.56	June 26	14.06		

32-73-9bdd. U. S. Geol. Survey. Drilled observation water-table well in silt and clay of slope wash, diameter $\frac{3}{4}$ inch, depth 14 feet. Highest water level 1.03 below lsd, Sept. 25, 1950; lowest 9.02 below lsd, Apr. 25, 1951. Records available: 1950-51.

Aug. 24, 1950	3.78	Dec. 11, 1950	5.79	Apr. 25, 1951	9.02	July 25, 1951	2.10
Sept. 25	1.03	Feb. 9, 1951	6.03	May 23	7.70	Sept. 20	1.45
Oct. 26	4.03	28	7.34	June 25	5.37	Oct. 27	3.97
Nov. 15	5.64	Mar. 28	9.00				

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 4.56 below lsd, June 26, 1951; lowest 6.45 below lsd, Aug. 24, 1950. Records available: 1950-51.

Aug. 24, 1950	6.45	Dec. 11, 1950	5.58	Apr. 25, 1951	5.06	July 25, 1951	4.83
Sept. 25	5.80	Feb. 9, 1951	5.34	May 23	4.99	Sept. 20	6.12
Oct. 26	5.68	28	5.26	June 26	4.56	Oct. 27	5.53
Nov. 15	5.66	Mar. 28	5.18				

33-73-34ccc. Joe L. Carmin. Drilled unused water-table well in siltstone of White River group, diameter 6 inches, depth 120 feet. Highest water level 25.38 below lsd, May 23, 1951; lowest 26.96 below lsd, July 25, 1951. Records available: 1950-51.

July 31, 1950	26.10	Nov. 15, 1950	25.86	Mar. 28, 1951	25.97	July 25, 1951	26.96
Aug. 24	25.85	Dec. 11	25.76	Apr. 25	25.64	Sept. 20	26.15
Sept. 25	26.05	Feb. 9, 1951	26.06	May 23	25.38	Oct. 27	26.05
Oct. 26	25.99	28	26.01	June 26	26.03		

Crook County

54-64-7bcc. Charles Martin. Formerly S. J. Brimmer. Dug observation water-table well in alluvium, diameter 60 inches, depth 20 feet. Highest water level 13.50 below lsd, Apr. 7, 1949; lowest 16.13 below lsd, Mar. 25, 1946. Records available: 1942-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	15.13	Apr. 6	15.00	June 29	15.06	Oct. 2	14.64
Feb. 6	14.85	25	15.10	July 12	15.08	5	14.65
20	14.81	May 2	15.14	Aug. 3	15.26	16	14.62
Mar. 9	14.75	7	15.16	10	15.36	Nov. 7	14.46
22	14.88	16	15.18	Sept. 19	14.44	Dec. 5	14.74
Apr. 3	15.01	June 5	15.00				

Fremont County

A-1-2-3da. E. M. Gorum. Drilled artesian well in sandstone (?) of Wind River formation, diameter 8 inches, depth 41 feet. Land-surface datum is 5,175.2 feet above msl. Highest water level 7.10 below lsd, July 11, 1950; lowest 9.10 below lsd, Apr. 26, 1950. Records available: 1948-51. Jan. 3, 8.95; Feb. 2, 8.79. Measurement discontinued.

A-1-2-4ad. LeClair Ditch Co. Dug water-table well in alluvium, diameter 36 inches, depth 19 feet, cased with galvanized pipe to 19. Land-surface datum is 5,193.1 feet above msl. Highest water level 6.70 below lsd, Aug. 2, 1949; lowest 13.49 below lsd, Apr. 26, 1950. Records available: 1948-51. Jan. 3, 12.74; Feb. 2, 12.82. Measurement discontinued.

A-1-2-11aa1. J. D. Deardoff. Dug unused water-table well in alluvium, diameter 18 inches, depth 10 feet, cased with galvanized pipe to 10. Land-surface datum is 5,155.2 feet above msl. Highest water level 5.55 below lsd, Aug. 29, 1950; lowest 8.70 below lsd, Apr. 5, 1949. Records available: 1948-51. Jan. 3, 8.03; Feb. 2, 8.21. Measurement discontinued.

A-1-3-7ad2. H. M. Johnson. Drilled unused artesian well in sandstone (?) of Wind River formation, diameter 7 inches, depth 77 feet. Land-surface datum is 5,154.9 feet above msl. Highest water level 10.39 below lsd, Aug. 27, 1949; lowest 20.56 below lsd, Apr. 27, 1949. Records available: 1948-51. Jan. 3, 17.13; Feb. 2, 18.12. Measurement discontinued.

A-1-3-16cc. Vern Adams. Drilled used artesian well in sandstone (?) of Wind River formation, diameter 6 inches, depth 103 feet. Land-surface datum is 5,126.4 feet above msl. Highest water level 17.05 below lsd, Sept. 26, 1950; lowest 22.87 below lsd, May 27, 1949. Records available: 1948-51. Jan. 3, 19.51; Feb. 3, 20.48. Measurement discontinued.

A-1-3-27ad. Elmer Farrans. Dug unused water-table well in alluvium, diameter 22 inches, depth 15 feet, cased with oil drums to 15. Land-surface datum is 5,063.4 feet above msl. Highest water level 1.27 below lsd, Aug. 15, 1950; lowest 10.80 below lsd, July 1, 1949. Records available: 1948-51. Jan. 3, 8.65; Feb. 2, 9.15. Measurement discontinued.

A-1-4-15dd1. Pete Belin. Drilled unused water-table well in alluvium, diameter 4 inches, depth 36 feet. Land-surface datum is 4,959.2 feet above msl. Highest water level 4.50 below lsd, Aug. 3, 1950; lowest 6.41 below lsd, Feb. 8, 1949. Records available: 1948-51. Feb. 2, 6.00. Measurement discontinued.

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: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	189.81	May 31	187.34	Aug. 31	191.31	Nov. 30	186.65
Mar. 31	184.91	June 30	188.83	Sept. 30	190.22	Dec. 31	185.05
Apr. 30	185.35	July 31	190.06	Oct. 31	188.79		

A-1-4-32ad. Charles Bryant. Dug water-table well in alluvium, diameter 12 inches, depth 12 feet, cribbed with tile to 12. Land-surface datum is 5,006.2 feet above msl. Highest water level 0.90 below lsd, Aug. 2, 1949; lowest 6.22 below lsd, Feb. 8, 1949. Records available: 1948-51. Jan. 3, 5.14; Feb. 2, 6.00. Measurement discontinued.

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, 1949-51.

Feb. 20	18.34	May 22	15.73	Aug. 21	16.20	Oct. 16	17.94
Mar. 23	19.90	June 19	15.13	Sept. 19	16.76	Nov. 19	17.08
Apr. 17	18.79	July 17	16.35				

19-61-4cdd. Hugh Stemler. Drilled irrigation water-table well in alluvium, diameter 48 inches, depth 33 feet, cased to 33. Land-surface datum is 4,557.3 feet above msl. Highest water level 4.07 below lsd, June 4, 1949; lowest 9.03 below lsd, Mar. 23, 1951. Records available: 1943, 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	7.26	Apr. 17	8.92	July 17	6.92	Oct. 16	7.57
Feb. 20	8.17	May 22	6.70	Aug. 21	7.19	Nov. 19	7.25
Mar. 23	9.03	June 19	6.40	Sept. 19	7.18		

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 57.39 below lsd, Nov. 19, 1951; lowest 58.58 below lsd, May 3, 1943. Records available: 1943, 1949-51.

Jan. 17	58.22	Apr. 17	57.48	July 17	57.59	Oct. 16	57.47
Feb. 20	57.59	May 22	57.45	Aug. 21	57.68	Nov. 19	57.39
Mar. 23	57.60	June 19	57.50	Sept. 19	57.85		

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 28.45 below lsd, Nov. 19, 1951. Records available: 1948-51.

Jan. 3	27.52	Apr. 17	27.78	July 17	28.10	Oct. 16	28.39
Feb. 20	27.68	May 22	27.97	Aug. 21	28.25	Nov. 19	28.45
Mar. 23	27.73	June 19	28.00	Sept. 19	28.27		

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 31.36 below lsd, Apr. 1, 1949. Records available: 1943, 1949-51.

Jan. 17	30.11	Apr. 17	29.78	July 17	28.86	Oct. 16	28.79
Feb. 20	30.45	May 22	29.50	Aug. 21	28.83	Nov. 19	29.19
Mar. 23	30.34	June 19	29.31	Sept. 19	29.00		

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: 1948-51.

Jan. 17	13.92	Apr. 17	14.22	July 18	11.79	Oct. 16	12.42
Feb. 20	14.82	May 22	13.59	Aug. 21	11.06	Nov. 16	13.64
Mar. 23	14.14	June 19	12.79	Sept. 19	11.57		

24-60-27cdd. Edgar Ginter. Drilled domestic and stock water-table well in gravel of terrace deposits, diameter 6 inches, depth 73 feet, cased to 35. Land-surface datum is 4,185.1 feet above msl. Highest water level 10.51 below lsd, Sept. 19, 1951; lowest 22.59 below lsd, Mar. 23, 1951. Records available: 1948-51.

Jan. 17	18.89	Apr. 17	21.48	Aug. 21	15.68	Oct. 15	12.99
Feb. 20	19.95	June 19	21.58	Sept. 19	10.51	Nov. 16	15.51
Mar. 23	22.59	July 18	21.17				

24-60-32aaa. Raymond Lively. Dug and drilled irrigation water-table well in sand and gravel of alluvium, diameter 22 inches, depth 11 feet, cribbed with galvanized iron. Highest water level 5.27 below lsd, July 7, 1949; lowest 6.76 below lsd, Apr. 17, 1951. Records available: 1948-49, 1951. Measurement discontinued.

Jan. 17	6.40	Apr. 17	6.76	July 18	5.70	Oct. 15	5.86
Feb. 20	6.34	May 22	6.11	Aug. 21	5.42	Nov. 16	6.09
Mar. 23	6.68	June 19	5.71	Sept. 19	5.92		

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 18.74 below lsd, Sept. 19, 1951; lowest 24.32 below lsd, Apr. 17, 1951. Records available: 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	23.23	Apr. 17	24.32	July 18	20.52	Oct. 16	20.71
Feb. 19	23.55	May 22	23.06	Sept. 19	18.74	Nov. 19	21.41
Mar. 22	23.75	June 19	21.01				

24-61-10cdc. St. Joseph's Orphanage. Dug irrigation water-table well in sand and gravel of alluvium, diameter 90 inches, depth 36 feet, cribbed with concrete. Land-surface datum is 4,098.1 feet above msl. Highest water level 18.65 below lsd, Aug. 29, 1950; lowest 20.93 below lsd, Apr. 17, 1951. Records available: 1948-51.

Jan. 15	20.27	Apr. 17	20.93	July 18	19.59	Oct. 17	18.99
Feb. 20	20.46	May 22	20.35	Aug. 21	19.04	Nov. 20	19.57
Mar. 23	20.70	June 19	20.28	Sept. 20	18.85		

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: 1948-51.

Apr. 17	11.50	June 19	10.05	Aug. 21	9.38	Oct. 17	8.18
May 23	10.40	July 18	9.47	Sept. 20	9.94	Nov. 20	14.15

25-61-28dbc. M. W. Berry. Drilled irrigation water-table well in gravel of terrace deposits, diameter 24 inches, depth 108 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, 1948-51.

Jan. 15	42.77	Apr. 17	47.65	Aug. 21	44.02	Oct. 16	37.48
Feb. 19	44.87	May 22	48.46	Sept. 20	39.45	Nov. 20	39.09
Mar. 22	46.41	June 19	46.79				

25-62-4ccd. L. R. Brewer Drilled domestic water-table well in sand and gravel of alluvium, diameter 5 inches, depth 39 feet. Land-surface datum is 4,227.1 feet above msl. Highest water level 10.75 below lsd, Sept. 26, 1950; lowest 23.77 below lsd, May 2, 1949. Records available: 1948-51. Measurement discontinued.

Jan. 15	18.01	Apr. 17	23.18	Aug. 20	15.40	Oct. 16	13.35
Feb. 19	20.49	May 22	22.44	Sept. 19	12.20	Nov. 19	15.49
Mar. 22	22.05	June 19	21.41				

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 18.88 below lsd, Sept. 26, 1950; lowest 25.48 below lsd, May 22, 1951. Records available: 1948-51.

Jan. 15	22.40	Apr. 17	25.42	July 18	23.32	Oct. 16	19.34
Feb. 19	24.34	May 22	25.48	Aug. 20	20.72	Nov. 19	20.99
Mar. 22	25.33	June 19	24.19	Sept. 19	19.09		

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 3.89 below lsd, Aug. 29, 1950; lowest 7.74 below lsd, Apr. 17, 1951. Records available: 1948-51.

Jan. 15	6.82	Mar. 22	7.21	Aug. 20	4.49	Oct. 16	5.08
Feb. 19	7.15	Apr. 17	7.74	Sept. 19	4.59	Nov. 19	5.71

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 18.83 below lsd, Sept. 26, 1950; lowest 23.82 below lsd, May 30, 1950. Records available: 1943, 1948-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 19	23.13	May 22	23.44	Aug. 20	19.88	Oct. 16	20.19
Mar. 22	23.44	June 19	21.82	Sept. 19	19.36	Nov. 19	21.34
Apr. 17	23.69	July 18	20.65				

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 14.24 below lsd, Oct. 31, 1949; lowest 20.65 below lsd, Apr. 17, 1951. Records available: 1948-51.

Jan. 15	19.37	Apr. 17	20.65	July 18	17.62	Oct. 16	16.35
Feb. 19	19.79	May 22	20.16	Aug. 20	16.18	Nov. 19	17.93
Mar. 22	20.03	June 19	18.43	Sept. 19	15.72		

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 12.15 below lsd, Oct. 16, 1951; lowest 13.63 below lsd, Dec. 8, 1948. Records available: 1948-51.

Jan. 15	12.33	Apr. 17	12.32	July 18	12.18	Oct. 16	12.15
Feb. 19	12.28	May 22	12.25	Aug. 20	12.18	Nov. 19	12.23
Mar. 22	12.25	June 19	12.21	Sept. 19	12.15		

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 18.56 below lsd, Sept. 26, 1950; lowest 24.64 below lsd, Apr. 17, 1951. Records available: 1948-51.

Jan. 15	23.45	Apr. 17	24.64	July 18	20.64	Oct. 16	19.41
Feb. 19	24.05	May 22	23.51	Aug. 20	19.03	Nov. 19	21.18
Mar. 22	24.34	June 19	22.26				

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: 1948-51.

Jan. 15	26.00	Apr. 17	24.71	July 18	19.44	Oct. 16	23.03
Feb. 19	26.25	May 22	21.81	Aug. 20	18.13	Nov. 19	24.91
Mar. 22	26.40	June 19	21.43	Sept. 19	20.89		

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 14.30 below lsd, June 30, 1949; lowest 17.10 below lsd, Nov. 29, 1949. Records available: 1948-51.

Jan. 26	16.65	Apr. 24	16.75	July 20	15.24	Oct. 19	14.91
Feb. 21	16.70	May 25	15.48	Aug. 25	15.00	Nov. 23	16.00
Mar. 24	15.82	June 29	14.83	Sept. 21	15.50	Dec. 20	16.50

26-64-29ada. National Park Service. Dug observation water-table well in sand and gravel of al'uvium, diameter 36 inches, depth 43 feet, cribbed with rock. Highest water level 16.12 below lsd, July 10, 1947; lowest 18.83 below lsd, May 2, 1950. Records available: 1942-43, 1946-51.

Jan. 26	18.40	Apr. 24	18.55	July 20	17.50	Oct. 19	17.36
Feb. 21	18.39	May 25	17.25	Aug. 25	17.61	Nov. 23	18.69
Mar. 24	18.51	June 22	17.23	Sept. 21	17.88	Dec. 20	18.45

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 4,270.6 feet above msl. Highest water level 12.19 below lsd, July 21, 1950; lowest 19.30 below lsd, Feb. 19, 1951. Records available: 1948-51.

Jan. 15	19.30	Apr. 17	15.48	July 18	13.16	Oct. 16	17.09
Feb. 19	19.30	May 22	14.37	Aug. 20	12.64	Nov. 19	18.45
Mar. 22	19.03	June 19	13.63	Sept. 19	14.90		

Hot Springs County

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: 1946-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	7.98	Apr. 26	7.60	July 30	7.12	Nov. 5	7.43
Feb. 27	7.90	May 31	6.51	Sept. 4	7.69	Dec. 12	7.68
Mar. 30	7.77	June 29	6.55	Oct. 1	7.70		

43-96-14bda. Leonard Thorton. Drilled unused artesian well, diameter 6 inches, depth 44 feet. Land-surface datum is 4,698.6 feet above msl. Highest water level 15.53 below lsd, July 30, 1947; lowest 28.65 below lsd, Mar. 29, 1950. Records available: 1946-51.

Jan. 30	27.78	Apr. 26	28.50	July 30	20.74	Nov. 5	23.59
Feb. 27	28.10	May 31	26.75	Sept. 4	20.69	Dec. 12	24.72
Mar. 30	28.32	June 29	23.70	Oct. 1	22.06		

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 34.99 below lsd, Apr. 8, 1945. Records available: 1945-51. Jan. 3, 31.09; Feb. 8, 31.11; Mar. 10, 31.15; May 1, 31.54; May 28, 31.50; July 30, 31.53; Sept. 19, 32.54.

12-63-3baa. Roy L. Gasurant. Dug unused water-table well in siltstone of Brule formation, diameter 96 inches, 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: 1942-51. Jan. 3, 43.29; Feb. 8, 43.46; Mar. 10, 43.36; May 1, 43.19; May 28, 43.22; July 30, 43.23; Sept. 19, 43.39.

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: 1940-51. Jan. 3, 36.28; Feb. 8, 36.11; Mar. 10, 35.82; May 1, 36.21; May 28, 36.63; Sept. 19, 38.62.

13-68-3bba. City of Cheyenne. Drilled unused water-table well in sand and gravel of Ogallala formation, diameter 10 to 8 inches, depth 187 feet, cased to 181. Land-surface datum is 6,555.48 feet above msl. Highest water level 77.59 below lsd, June 27, 1945; lowest 62.92 below lsd, Oct. 30, 1951. Records available: 1944-51.

Feb. 5	81.64	May 2	82.30	July 28	82.41	Oct. 30	82.92
28	81.78	June 3	82.11	Sept. 5	82.67	Nov. 27	82.78
Mar. 27	81.95	29	82.13	Oct. 3	82.52		

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 78.28 below lsd, Oct. 30, 1951. Records available: 1944-51.

Feb. 5	77.50	June 3	77.66	Sept. 5	77.97	Oct. 30	78.28
Mar. 27	78.01	29	77.66	Oct. 3	78.02	Nov. 27	78.23
May 2	77.90	July 28	76.74				

13-68-4acd. City of Cheyenne. Drilled unused 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 6,596.00 feet above msl. Highest water level 98.23 below lsd, Mar. 23, 1945; lowest 106.70 below lsd, May 2, 1951. Records available: 1944-51.

Feb. 5	101.95	May 2	106.70	July 28	102.19	Oct. 30	102.10
28	102.05	June 3	102.44	Sept. 5	102.48	Nov. 27	102.75
Mar. 27	101.95	29	102.21	Oct. 3	102.24		

13-68-4cbd. City of Cheyenne. Drilled unused 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 174.88 below lsd, Nov. 27, 1951. Records available: 1945-48, 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	174.01	June 3	174.42	Sept. 5	174.78	Oct. 30	174.68
Mar. 27	173.87	29	174.64	Oct. 3	174.57	Nov. 27	174.88
May 2	174.65	July 28	174.59				

13-68-4dcc. City of Cheyenne. Drilled unused 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 122.78 below lsd, May 2, 1951. Records available: 1944-48, 1950-51.

Feb. 5	121.74	May 2	122.78	July 28	122.19	Oct. 30	122.47
28	121.85	June 3	122.31	Sept. 5	122.51	Nov. 27	122.63
Mar. 27	121.75	29	122.25	Oct. 3	122.14		

13-68-14cbd. City of Cheyenne. Drilled unused water-table well in sand and gravel of Ogallala formation, diameter 10 inches, depth 210 feet. Land-surface datum is 6,560.80 feet above msl. Highest water level 41.89 below lsd, Sept. 17, 1945; lowest 58.68 below lsd, Aug. 1, 1945. Records available: 1945-51.

Feb. 28	46.44	June 2	46.88	Sept. 5	47.05	Nov. 27	47.34
Mar. 27	46.41	29	46.82	28	47.15	Dec. 28	47.21
May 7	46.72	July 28	46.96	Oct. 30	47.25		

13-68-16dbd. City of Cheyenne. Drilled observation water-table well in gravel of Ogallala formation, diameter 10 to 8 inches, depth 300 feet. Highest water level 104.16 below lsd, Nov. 30, 1949; lowest 113.01 below lsd, Oct. 5, 1949. Records available: 1949-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 13, 1949	108.93	Apr. 29, 1950	104.52	Nov. 25, 1950	109.31	July 28, 1951	106.94
Oct. 5	113.01	May 31	110.26	Dec. 30	109.35	Sept. 5	109.85
Nov. 30	104.16	June 24	104.71	Feb. 5, 1951	109.27	28	109.95
Jan. 4, 1950	105.71	July 16	104.80	28	109.64	Oct. 30	110.20
Feb. 3	112.68	30	107.83	Mar. 27	109.59	Nov. 27	110.40
16	104.37	Sept. 4	108.70	May 2	109.95	Dec. 28	110.27
Mar. 3	104.26	Oct. 10	108.99	June 2	110.12		
Apr. 6	104.33	31	108.82	29	109.45		

14-60-5bcc. C. C. Gross. Drilled irrigation water-table well in siltstone Brule formation, diameter 20 inches, depth 100 feet. Highest water level 27.93 below lsd, Mar. 5, 1946; lowest 36.44 below lsd, Sept. 4, 1950. Records available: 1943-51. Feb. 8, 31.68; Mar. 10, 31.52; May 1, 31.21; May 28, 31.46; July 30, 33.57; Sept. 19, 33.54.

14-60-11bcc1. M. L. Larson. Formerly J. R. Wilkinson Estate. 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: 1943-51. Jan. 3, 19.13; Feb. 8, 17.19; Mar. 10, 17.10; May 1, 19.15; July 30, 16.28; Sept. 19, 15.52.

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: 1940-51. Feb. 8, 30.37; Mar. 10, 30.54; May 1, 30.59; May 28, 30.88; July 30, 30.43; Sept. 19, 30.43.

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, 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 30, 1942	10.63	Aug. 12, 1943	10.85	Dec. 28, 1944	12.72	Dec. 30, 1950	11.75
July 24	10.75	Sept. 9	11.47	Feb. 2, 1945	12.78	Feb. 3, 1951	11.95
29	10.76	Oct. 30	12.39	Mar. 23	12.68	28	12.00
Aug. 5	10.70	Nov. 27	13.76	Apr. 30	12.23	Mar. 23	12.05
12	11.12	Dec. 30	12.83	Feb. 11, 1950	10.96	Apr. 28	11.60
24	11.28	Jan. 27, 1944	12.93	Mar. 31	10.91	May 31	10.20
Sept. 23	11.14	Feb. 29	12.93	Apr. 29	10.49	June 22	10.45
Oct. 27	10.91	Apr. 26	12.10	May 31	9.49	July 31	10.40
Nov. 27	11.40	May 31	11.68	July 2	9.43	Aug. 30	10.65
Dec. 26	11.70	June 30	11.32	30	10.30	Sept. 27	11.40
Feb. 7, 1943	11.77	July 28	10.51	Sept. 4	10.83	Oct. 29	11.30
Apr. 14	11.64	Aug. 30	10.68	Oct. 10	11.08	Nov. 28	11.60
May 10	10.83	Sept. 30	12.40	31	11.11	Dec. 28	11.78
June 8	10.51	Oct. 29	12.40	Nov. 25	11.40		

14-68-14cb. 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 10.24 below lsd, July 28, 1951. Records available: 1941-48, 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 5	8.94	May 7	9.10	July 28	10.24	Oct. 30	9.25
28	8.97	June 3	9.33	Sept. 5	9.35	Nov. 27	8.99
Mar. 27	8.98	29	9.82	24	9.30		

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 69.08 below lsd, June 3, 1951. Records avaiable: 1940-47, 1949-51. Feb. 16, 66.63; June 3, 69.08; Nov. 27, 64.45.

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 49.42 below lsd, Feb. 16, 1951. Records available: 1941-51. Feb. 16, 49.42; May 7, 42.10; June 3, 45.41.

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 39.70 below lsd, Feb. 16, 1951. Records available: 1940-51. Feb. 16, 39.70; May 7, 38.05; June 3, 36.15; Nov. 27, 35.80.

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, 1942-51. Feb. 16, 52.61; Oct. 3, 64.66; Nov. 27, 53.70.

14-68-33abc. City of Cheyenne. Drilled municipal water-table well in gravel of Ogallala formation, diameter 10 inches, depth 230 feet. Land-surface datum is 6,569.8 feet above msl. Highest water level 120.16 below lsd, Feb. 11, 1950; lowest 134.67 below lsd, Oct. 3, 1951, Feb. 5, 128.34; June 3, 129.30; June 29, 130.94; Oct. 3, 134.67; Nov. 27, 130.18. Records available: 1947-51.

14-68-33dcc. City of Cheyenne. Drilled unused water-table well in gravel of Ogallala formation, diameter 10 inches, depth 225 feet. Land-surface datum is 6,634.00 feet above msl. Highest water level 139.34 below lsd, Apr. 28, 1947; lowest 157.18 below lsd, Oct. 26, 1948. Records available: 1945-48, 1950-51.

Feb. 5	149.22	May 2	144.79	Aug. 1	143.94	Oct. 30	143.84
28	143.95	June 3	144.58	Sept. 5	144.27	Nov. 27	144.48
Mar. 27	144.01	29	143.85	Oct. 3	144.18		

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 56.40 below lsd, Oct. 3, 1951. Records available: 1940, 1942-51. Feb. 16, 41.29; June 3, 42.62; Oct. 3, 56.40; Nov. 27, 41.60.

14-68-34ddd. City of Cheyenne. Drilled unused 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 94.34 below lsd, Sept. 29, 1945. Records available: 1944-48, 1950-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 5	91.24	May 2	90.68	July 28	91.64	Oct. 30	92.35
28	90.23	June 3	90.35	Sept. 5	92.11	Nov. 27	90.48
Mar. 27	92.21	29	90.13	Oct. 3	92.28		

14-68-35cac. City of Cheyenne. Drilled unused 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 85.52 below lsd, Sept. 4, 1945. Records available: 1945-51.

Feb. 5	82.21	May 2	79.87	July 28	81.49	Oct. 30	85.47
28	82.09	June 3	80.28	Sept. 5	83.83	Nov. 27	83.29
Mar. 27	84.12	29	79.87	Oct. 3	84.35		

14-68-36ac. 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 39.42 below lsd, Dec. 30, 1950. Records available: 1941-51. Feb. 16, 34.96; Feb. 28, 36.53; May 2, 33.68; June 3, 34.61; June 29, 34.74; Nov. 27, 35.60.

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: 1941-51.

Feb. 16	33.86	June 3	28.37	Sept. 5	27.86	Nov. 27	27.21
Mar. 27	31.98	29	27.61	Oct. 3	27.85	Dec. 28	26.13
May 2	29.66	July 28	28.34	30	27.91		

14-68-36bc. 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 34.63 below lsd, Feb. 1, 1949. Records available: 1941-51. Feb. 16, 31.89; May 2, 32.63; June 3, 33.83; June 29, 32.47; Nov. 27, 33.60.

18-67-28cac. Ernest Nimmo. Dug domestic water-table well in gravel of alluvium, diameter 72 inches, depth 50 feet, cribbed with rock. Highest water level 6.87 below lsd, Sept. 20, 1951; lowest 11.41 below lsd, Mar. 27, 1950. Records available: 1949-51. Feb. 28, 8.74; Mar. 27, 7.20; Sept. 20, 6.87.

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 9.65 below lsd, Jan. 15, 1943. Records available: 1942-43, 1946-51.

Jan. 9	8.93	Apr. 26	9.17	July 13	6.91	Oct. 25	8.41
Feb. 5	9.15	May 10	9.12	Aug. 3	7.56	Nov. 17	8.79
21	9.18	24	8.43	Sept. 7	7.21	Dec. 10	8.96
Mar. 13	9.28	June 7	6.23				

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, 1946-51.

Jan. 9	6.15	Apr. 26	6.03	July 13	4.77	Oct. 25	6.28
Feb. 5	6.17	May 10	6.05	Aug. 3	5.52	Nov. 17	6.31
21	6.19	24	5.73	Sept. 7	6.07	Dec. 10	6.17
Mar. 13	6.03	June 7	4.09				

Platte County

23-68-7bcb. G. H. Rhoades. Formerly Alex Stugart. Dug unused water-table well in gravel of terrace deposits, diameter 48 inches, depth 11 feet, cribbed with wood to 11. Highest water level 2.98 below lsd, July 24, 1950; lowest 5.15 below lsd, Sept. 20, 1951. Records available: 1948-51. Jan. 23, 3.21; Mar. 27, 4.05; May 22, 3.46; July 24, 3.18; Sept. 20, 5.15.

23-68-10ddd. School District. Drilled unused water-table well in gravel of terrace deposits, diameter 5 inches, depth 31 feet. Highest water level 11.18 below lsd, July 24, 1951; lowest 19.04 below lsd, Apr. 28, 1949. Records available: 1948-51. Jan. 23, 16.69; Mar. 27, 16.56; May 22, 19.02; July 24, 11.18, water in adjacent canal; Sept. 20, 14.35; Nov. 19, 15.41.

24-68-6abb. Verne Cook. Dug unused water-table well in gravel of terrace deposits, diameter 36 inches, depth 3 feet, cribbed with galvanized iron to 3. Highest water level 0.76 below lsd, July 24, 1951; lowest 5.87 below lsd, May 23, 1950. Records available: 1948-51. Jan. 23, 3.27; Mar. 27, 4.55; May 22, 4.83; July 24, 0.76, water in adjacent canal; Sept. 20, 1.10, water in adjacent canal; Nov. 19, 1.90, 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 2.67 below lsd, May 23, 1950. Records available: 1948-51. Jan. 23, 2.42; Mar. 27, 2.63; May 22, 2.37; July 24, 1.52; Sept. 20, 1.54; Nov. 19, 1.80.

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: 1948-51. Jan. 23, 8.29; Mar. 27, 11.07; May 22, 12.07; July 24, 1.98, water in adjacent canal; Nov. 19, 6.36.

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 78.02 below lsd, Nov. 19, 1951; lowest 90.77 below lsd, Sept. 20, 1951. Records available: 1948-51. Jan. 23, 89.88; Mar. 27, 79.52; May 22, 84.67; Sept. 20, 90.77; Nov. 19, 78.02.

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 9.95 below lsd, Sept. 20, 1951; lowest 21.00 below lsd, May 22, 1951. Records available: 1948-51. Jan. 23, 18.74; Mar. 27, 19.97; May 22, 21.00; July 24, 10.20; Sept. 20, 9.95; Nov. 19, 15.08.

25-68-33dcd. Lester Pitts. Dug unused water-table well in terrace deposits, diameter 24 inches, depth 8 feet, cribbed with concrete to 8. Highest water level 0.20 above lsd, Jan. 24, 1950; lowest 1.94 below lsd, Sept. 4, 1948. Records available: 1948-51. Jan. 23, 0.36; Mar. 27, 0.87; May 22, +0.19; July 24, 0.01; Sept. 20, 0.13; Nov. 19, 0.19.

27-68-20dcb. Steven Willadsen. Drilled unused water-table well in sand and gravel of alluvium, diameter 6 inches, reported depth 60 feet. Highest water level 8.50 below lsd, July 25, 1949; lowest 15.72 below lsd, Nov. 2, 1948. Records available: 1948-51. Feb. 8, 14.21; Mar. 27, 14.12; May 23, 11.45; July 24, 10.90. Measurement discontinued.

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 6.88 below lsd, July 24, 1951; lowest 10.24 below lsd, Nov. 3, 1948. Records available: 1948-51. Feb. 8, 9.95; Mar. 27, 10.05; May 23, 9.46; July 24, 6.88; Sept. 20, 9.53; Nov. 19, 9.85.

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: 1949-51. Feb. 8, 28.28; Mar. 27, 22.64; Apr. 25, 27.85; May 23, 27.67; July 24, 27.20; Sept. 20, 28.76; Nov. 19, 28.62.

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: 1949-51. Feb. 8, 3.19; Mar. 27, 3.19; Apr. 25, 3.54; May 23, 3.39; July 24, 3.28; Sept. 20, 3.78; Nov. 19, 3.10.

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 26.65 below lsd, May 23, 1950; lowest 35.16 below lsd, Nov. 4, 1948. Records available: 1948-51. Feb. 8, 32.15; Mar. 27, 30.87; July 24, 29.30; Sept. 20, 30.50; Nov. 19, 30.21.

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: 1948-51. Feb. 8, 8.68; Mar. 27, 9.00; May 23, 6.46; July 24, 8.73; Sept. 20, 8.93; Nov. 19, 8.90.

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 21.63 below lsd, Aug. 22, 1947; lowest 29.78 below lsd, May 12, 1945. Records available: 1942-51.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	27.66	May 9	28.73	Aug. 23	22.11	Nov. 5	26.19
Feb. 12	28.06	18	27.31	Sept. 18	23.92	Dec. 4	29.06
Mar. 20	28.48	June 18	24.50	Oct. 23	25.58	14	27.21
Apr. 19	27.90	July 18	21.69				

U. S. GOVERNMENT PRINTING OFFICE : O—1954