Water Levels and Artesian Pressures in Observation Wells in the United States 1955

Part 5. Northwestern States

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1408

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

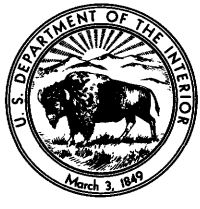
Water Levels and Artesian Pressures in Observation Wells in the United States 1955

Part 5. Northwestern States

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

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1408

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



UNITED STATES GOVERNMENT PRINTING OFFICE, WASHINGTON : 1957

UNITED STATES DEPARTMENT OF THE INTERIOR

FRED A. SEATON, *Secretary*

GEOLOGICAL SURVEY

Thomas B. Nolan, *Director*

For sale by the Superintendent of Documents, U. S. Government Printing Office
Washington 25, D. C. - Price 60 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 with 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.
J. W. Stewart--Acting 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.
H. M. Babcock-----District Engineer (Ground Water), Cheyenne, Wyo.

CONTENTS

ILLUSTRATIONS

WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS IN THE UNITED STATES IN 1955

Part 5. NORTHWESTERN STATES

INTRODUCTION

By A. N. Sayre

The publication of records of water levels and artesian pressures annually in the United States was begun by the Geological Survey in 1935. Prior to 1940 the records for each year were published in a single volume--1935, 777; 1936, 817; 1937, 840; 1938, 845; 1939, 886. Since 1940 records have been published in six annual volumes, covering the northeastern, southeastern, north-central, south-central, northwestern, and southwestern sections of the country. Hawaii is included in the southwestern section. The following table gives the numbers of Water-Supply Papers from 1940 through 1955.

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	1168	1167	1168	1169	1170
1951	1191	1192	1193	1194	1195	1196
1952	1221	1222	1223	1224	1225	1226
1953	1265	1268	1267	1268	1269	1270
1954	1321	1322	1323	1324	1325	1326
1955	1404	1405	1406	1407	1408	1409

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

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

Water-level measurements are given in feet with reference to land-surface datum or sea-level datum. Land-surface datum is a precise datum plane that is 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 before the first entry in each column. Readings between plus signs are above the plane of reference and those between minus signs are below the plane of reference.

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

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

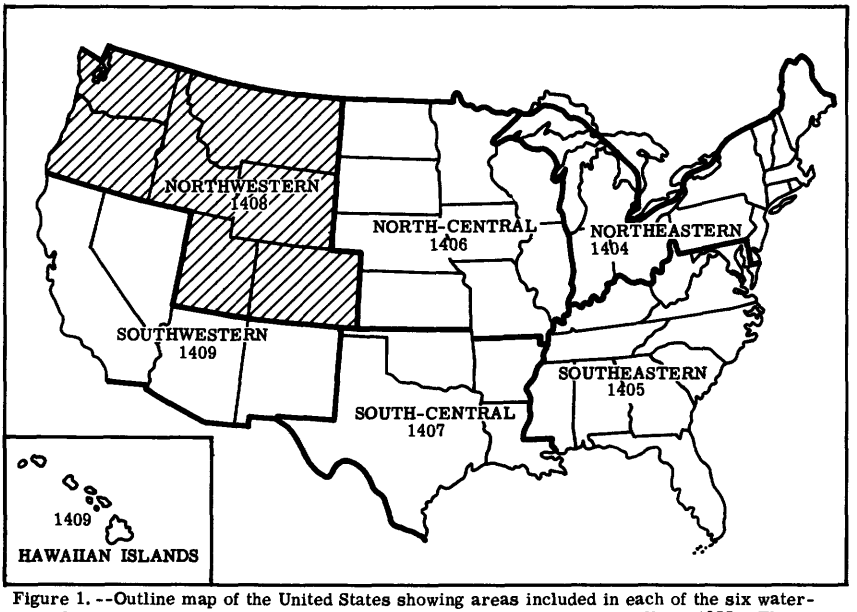


Figure 1. --Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1955. The shaded area indicates the States included in this volume.

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

COLORADO

By V. M. Burtis

Scope of Water-Level Program

The observation-well program was continued in 1955 in cooperation with the Colorado Water Conservation Board and the Colorado Agricultural Experiment Station. In 1955, measurements were made in 265 wells, 4 of which were equipped with recording gages. Water levels in 149 wells were measured by W. E. Code of the Agricultural Experiment Station. Figures 2-11 show the location of observation wells.

Precipitation

Precipitation in Colorado was about normal in February, May, and June; in the mountains and northern part of the State it was normal in March and September. During the remainder of 1955 precipitation was below normal.

Interpretation of Water-Level Fluctuations

Water levels have declined in the heavily pumped areas of the State. Water levels in the majority of the observation wells in Adams, El Paso, Larimer, Logan, Morgan, Otero, Weld, and Yuma Counties declined to record lows, and some record lows were established in Sedgwick and Washington Counties. New record highs were reported in Baca, Huerfano, Otero, Phillips, Pitkin, and Sedgwick Counties. A doubling of the amount of water pumped for irrigation in Kit Carson County has as yet resulted in no significant regional decline in water level, despite persistent drought. Water levels near Fountain Creek in El Paso County continued to decline in areas of heavy pumping; in areas of moderate pumping the water levels rose after above-normal precipitation and streamflow during the summer.

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 lowercase letters a, b, c, and d after the section number locate the well within the section. The first letter denotes the 160-acre tract, the second letter the 40-acre tract, and the third letter the 10-acre tract.

Well Descriptions and Water-Level Measurements

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

Adams County

C-1-60-4ccc. W. L. Freeman. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 86 feet. Land-surface datum is 4,800.9 feet above msl. Highest water level 18.00 below lsd, Nov. 29, 1940; lowest 33.18 below lsd, Oct. 26, 1955. Records available: 1940-55. Mar. 31, 30.52; Oct. 26, 33.18.

C-1-60-17dcc. Carl Sanden. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 87 feet. Land-surface datum is 4,830.8 feet above msl. Highest water level 25.09 below lsd, Nov. 19, 1942; lowest 40.00 below lsd, Oct. 21, 1954. Records available: 1942-55. Mar. 31, 34.02; Oct. 26, 36.42.

C-1-60-29cbd. J. D. Singleton. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 87 feet. Land-surface datum is 4,867.4 feet above msl. Highest water level 29.42 below lsd, Nov. 18, 1943; lowest 37.90 below lsd, Oct. 16, 1952. Records available: 1934, 1941-55. Mar. 31, 32.43; Oct. 26, 35.20.

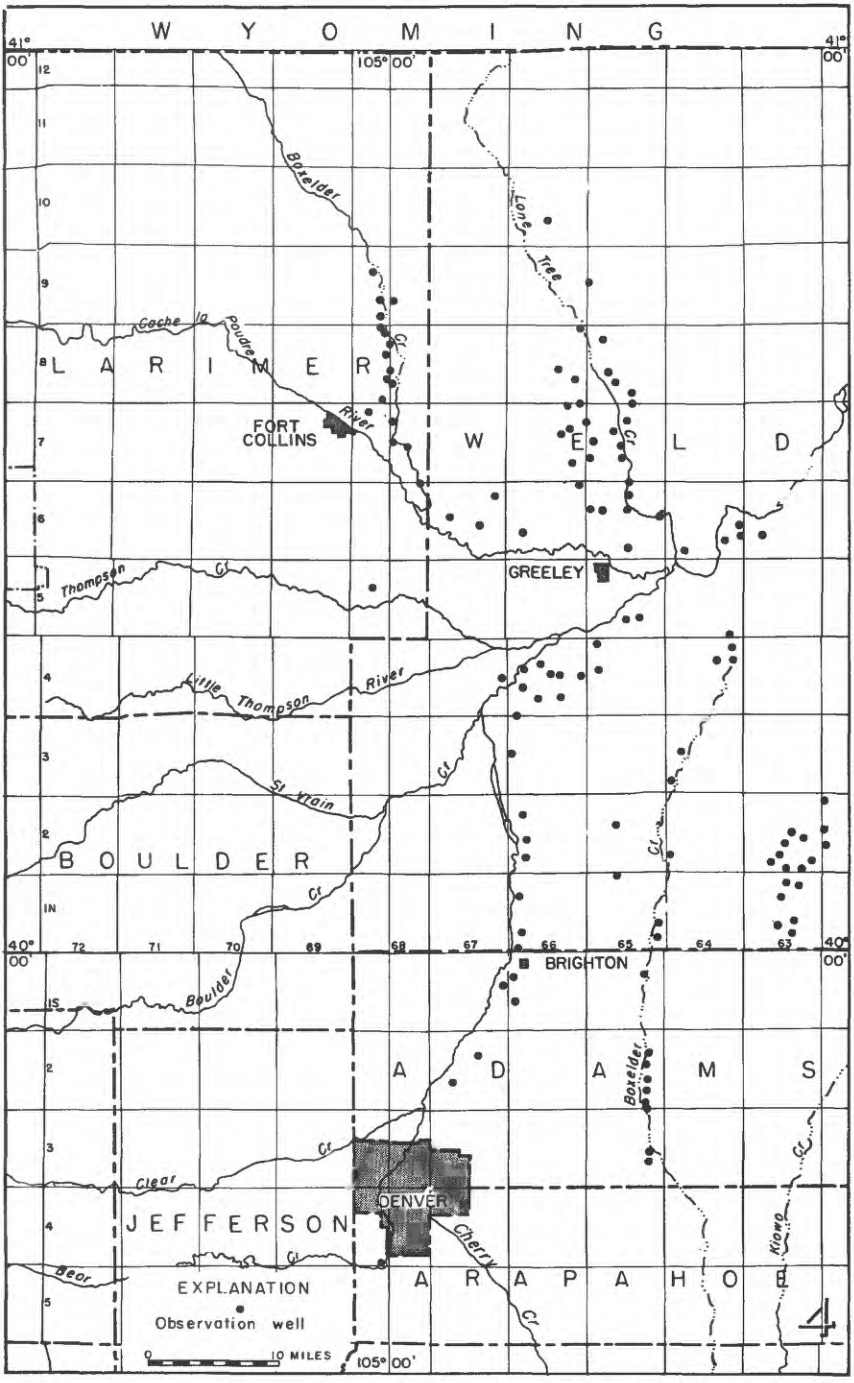


Figure 2. --Location of observation wells in Adams, Arapahoe, Larimer, and Weld Counties, Colo., 1955.

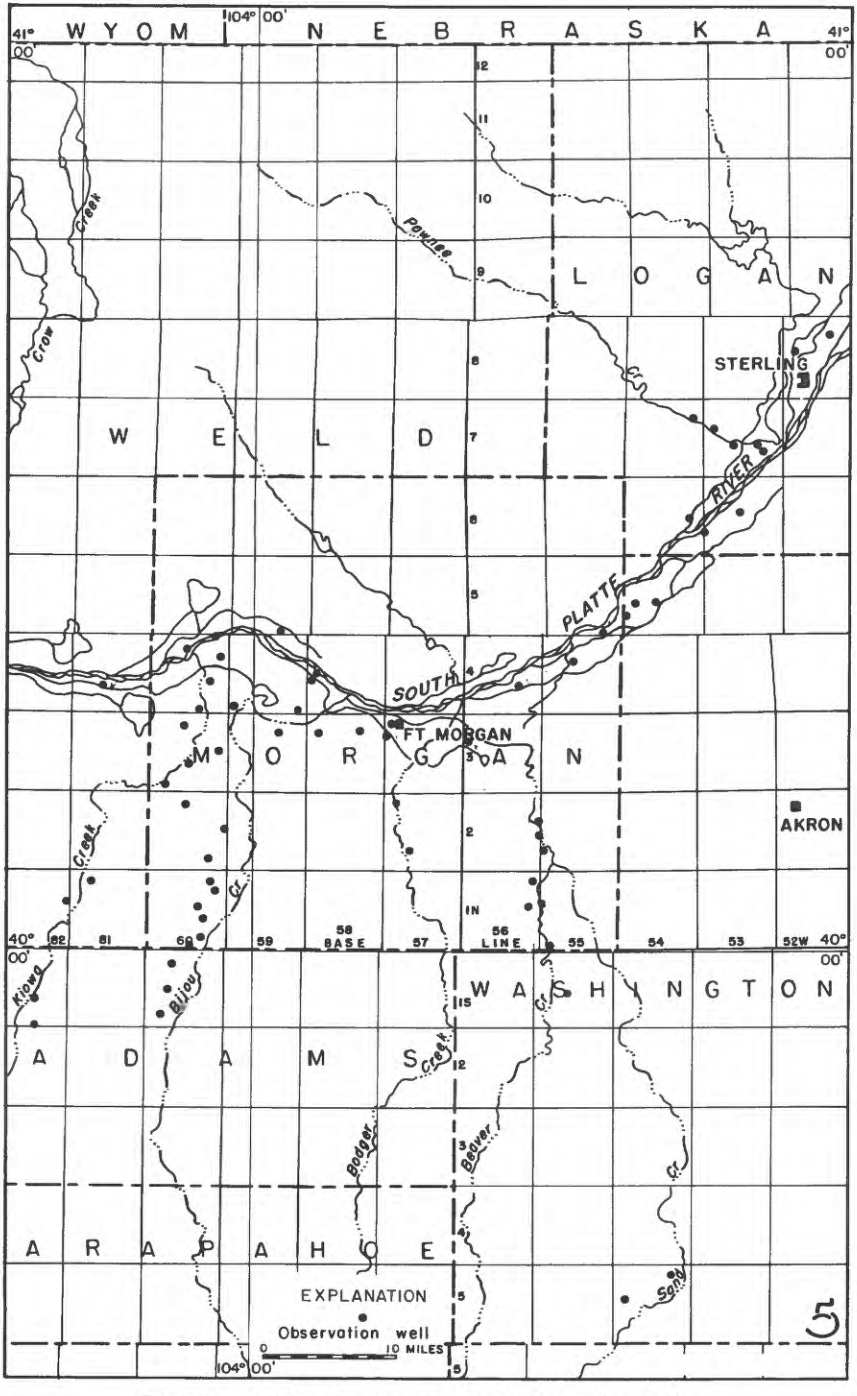


Figure 3. --Location of observation wells in Adams, Logan, Morgan, Washington, and Weld Counties, Colo., 1955.

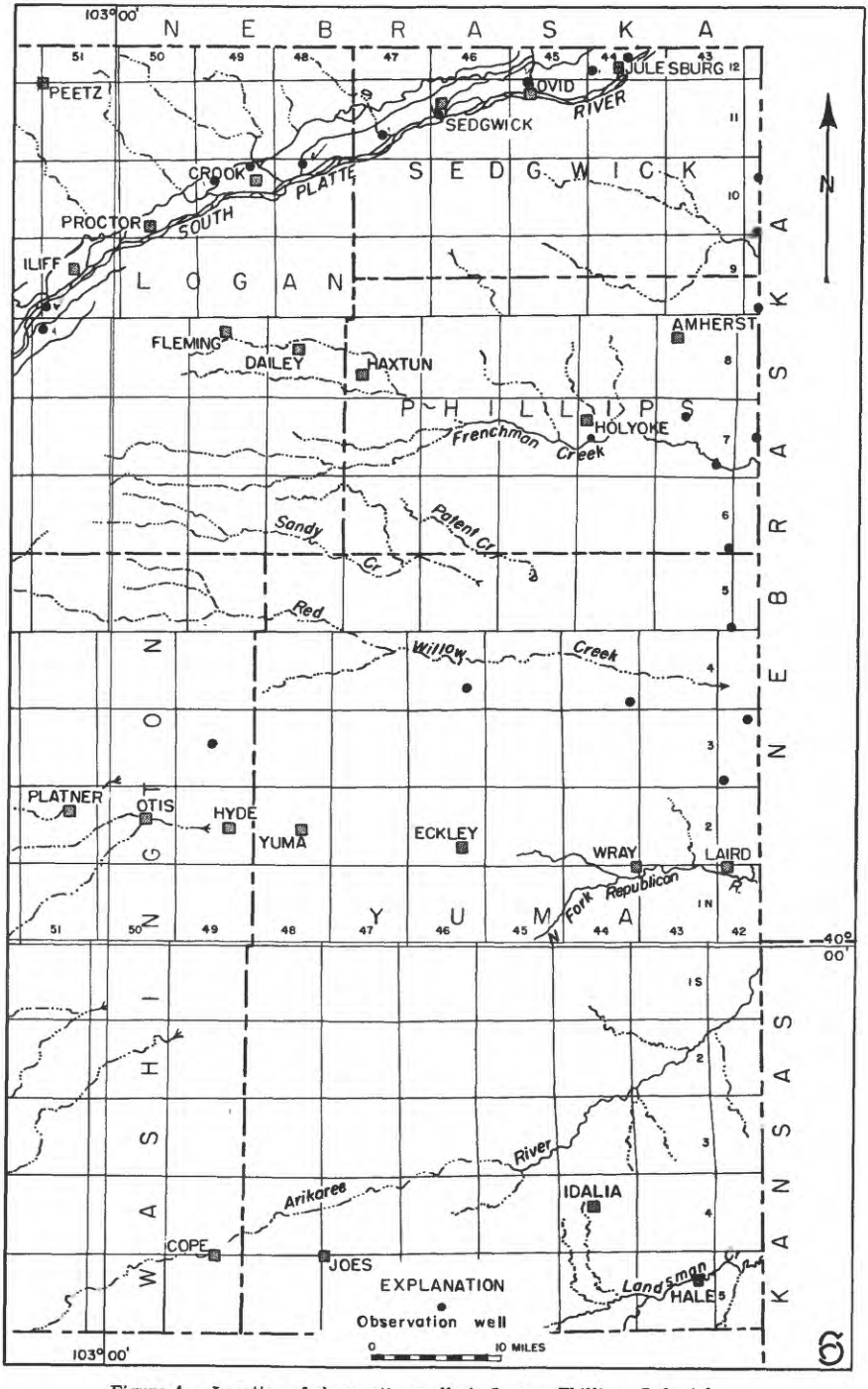


Figure 4. --Location of observation wells in Logan, Phillips, Sedgwick, Washington, and Yuma Counties, Colo., 1955.

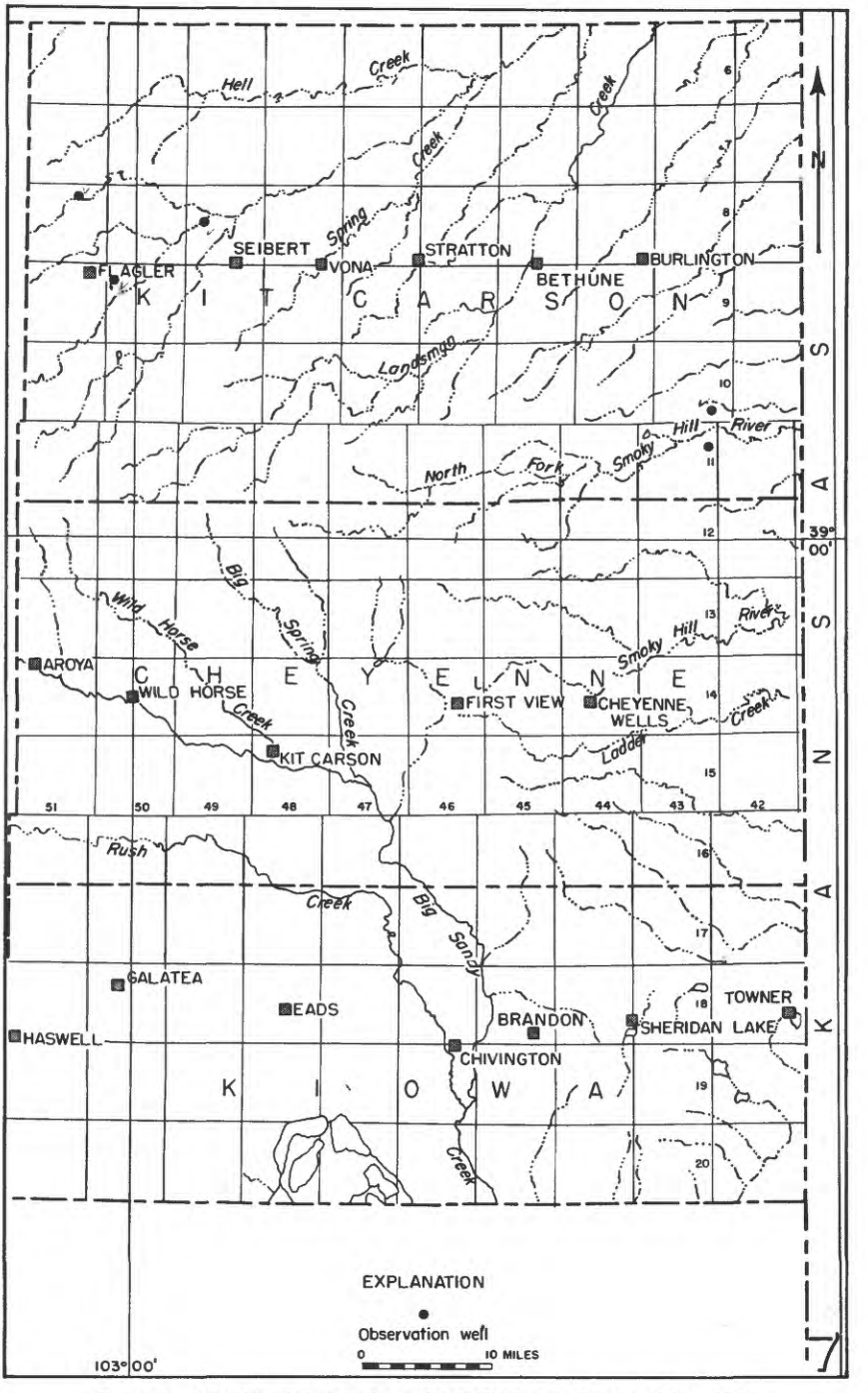


Figure 5. --Location of observation wells in Kit Carson County, Colo., 1955.

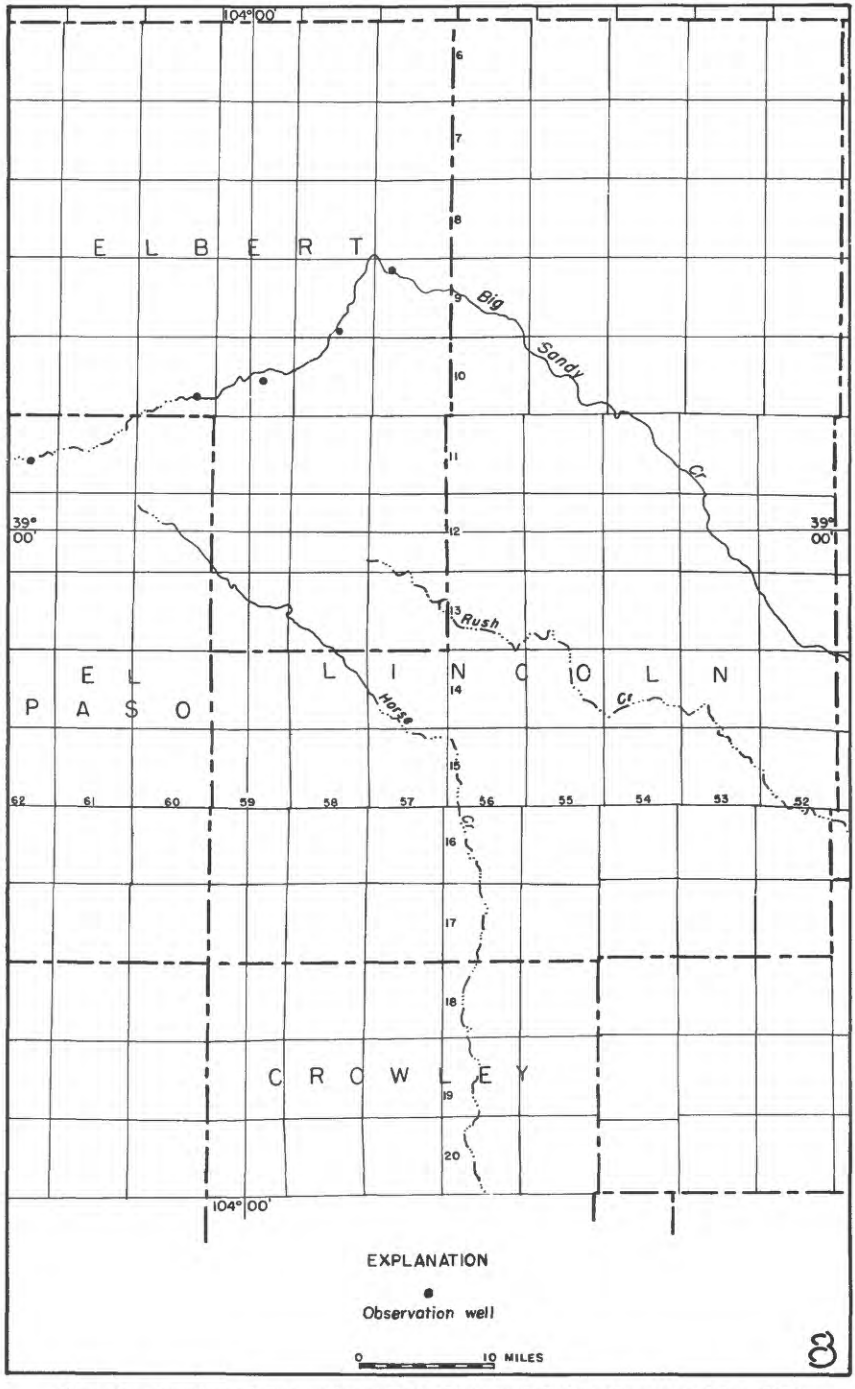


Figure 6. --Location of observation wells in Elbert and El Paso Counties, Colo., 1955.

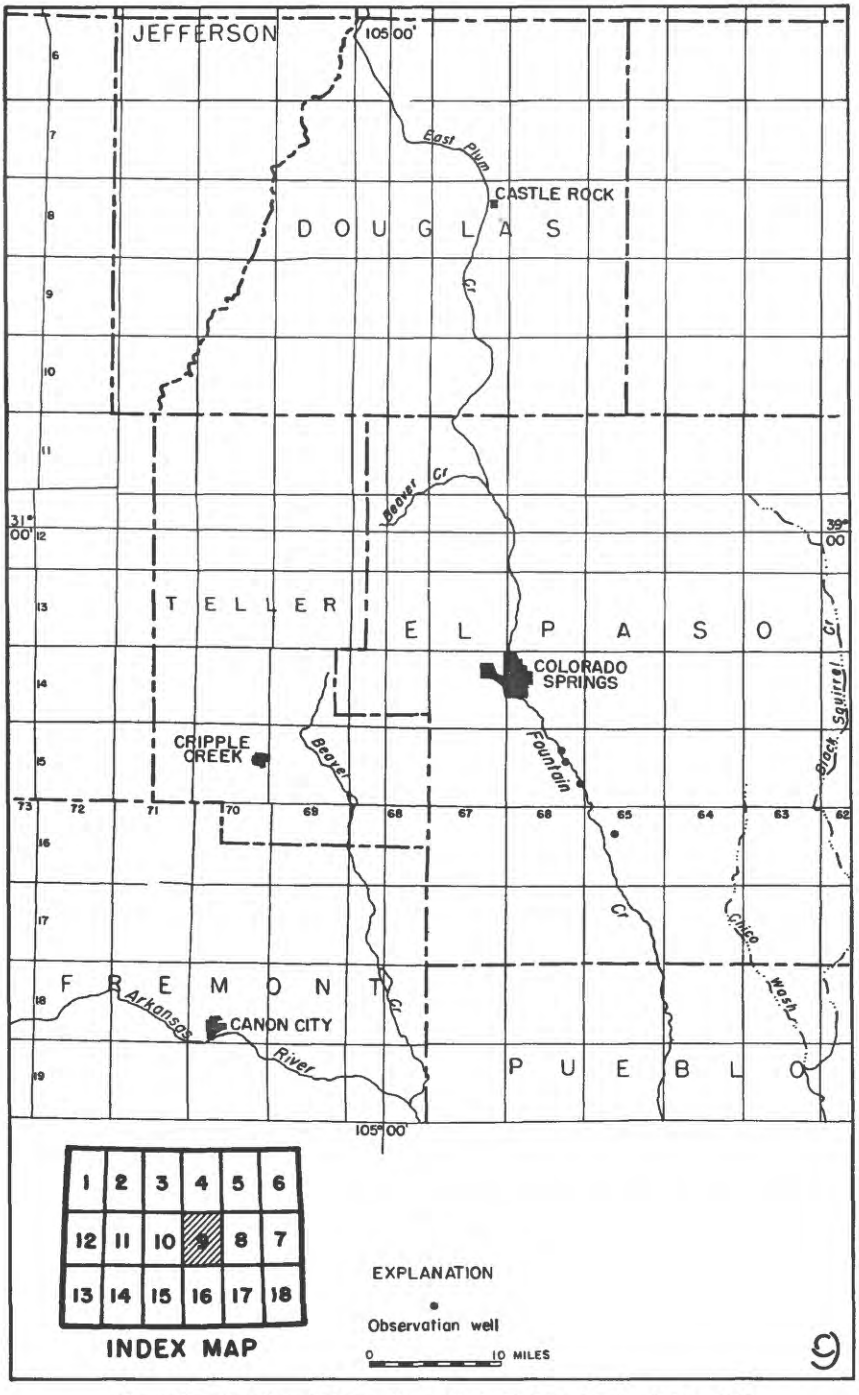


Figure 7.--Location of observation wells in El Paso County, Colo., 1955.

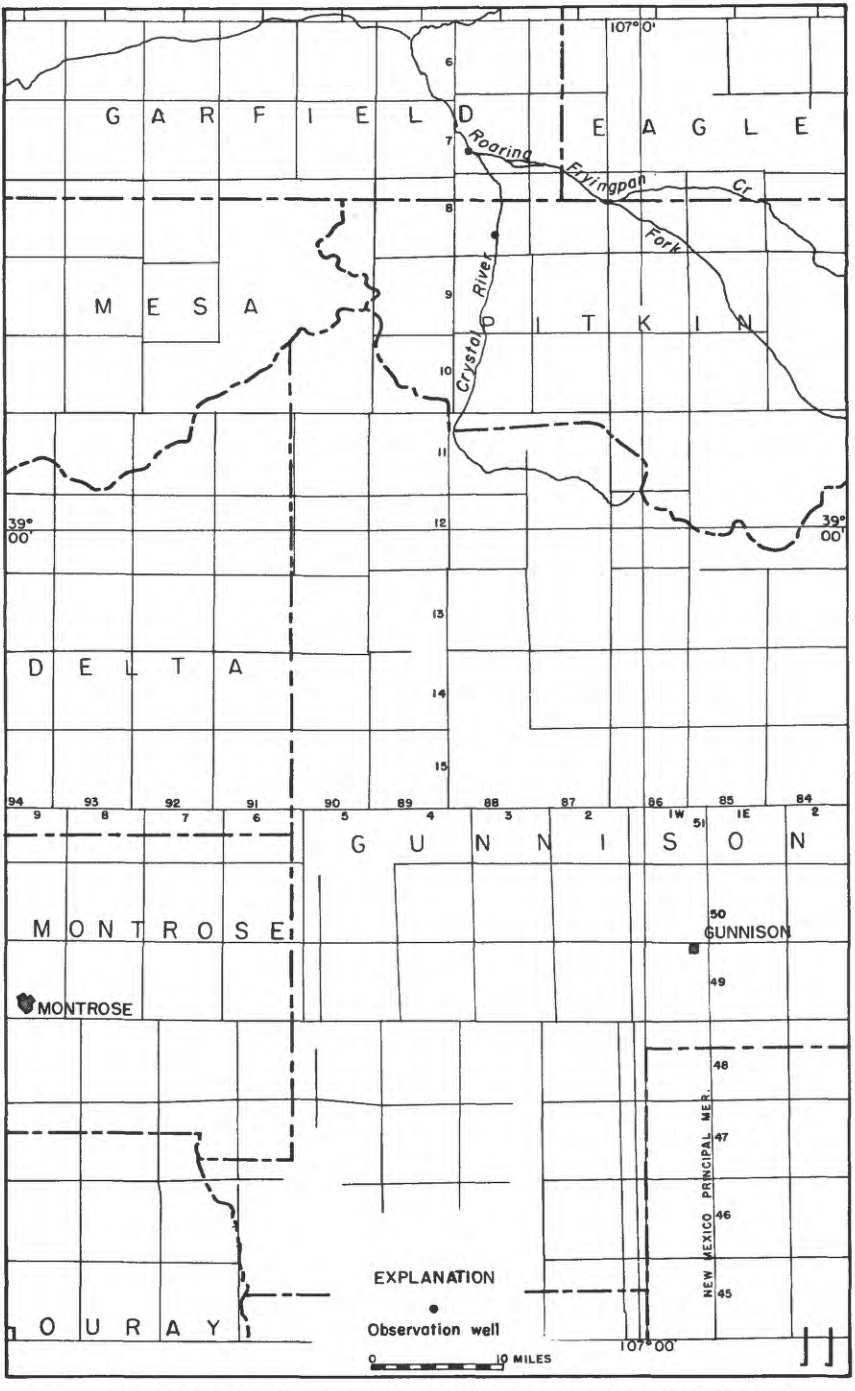


Figure 8.--Location of observation wells in Garfield and Pitkin Counties, Colo., 1955.

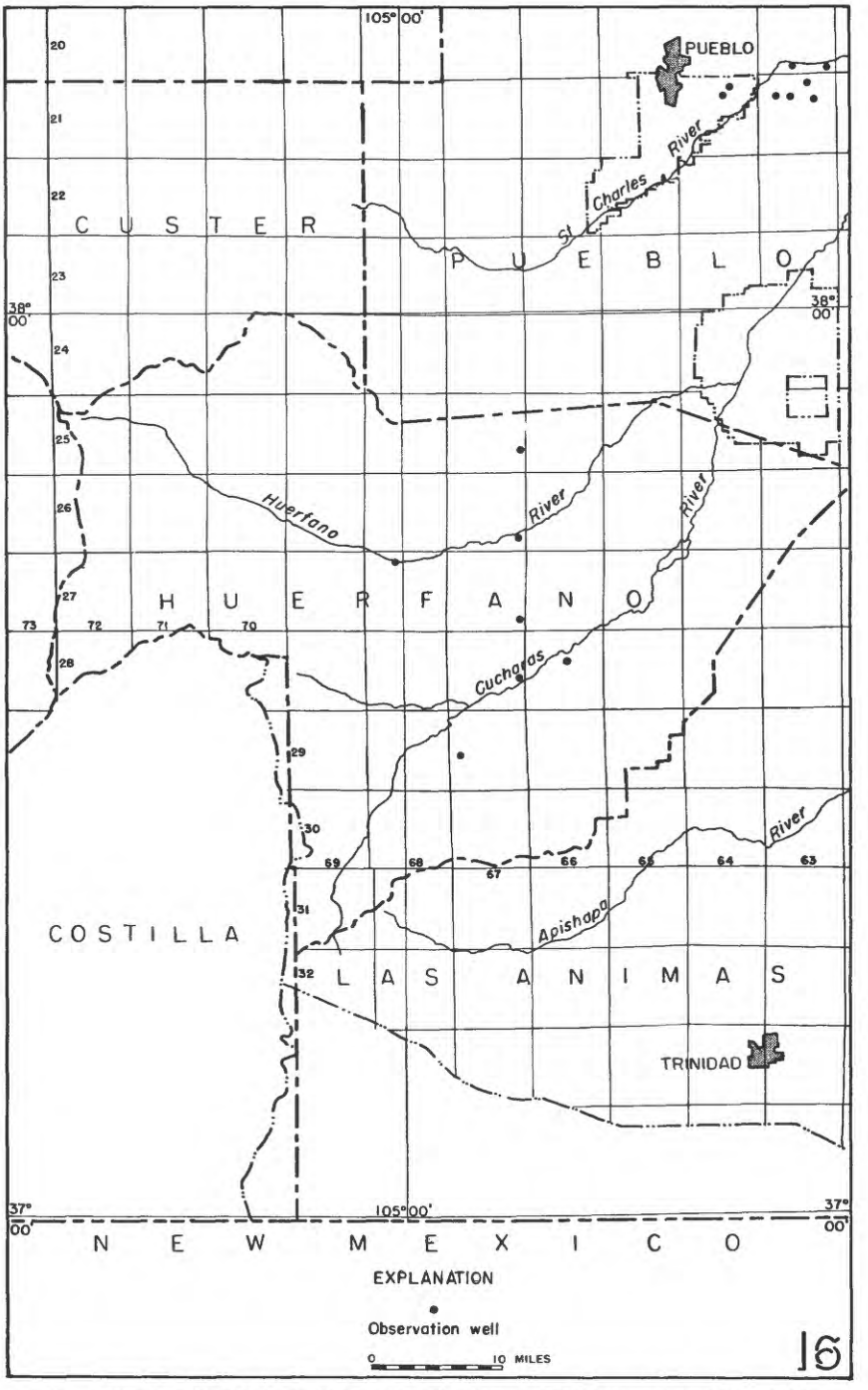


Figure 9.--Location of observation wells in Huerfano and Pueblo Counties, Colo., 1955.

416650 O - 57 - 2

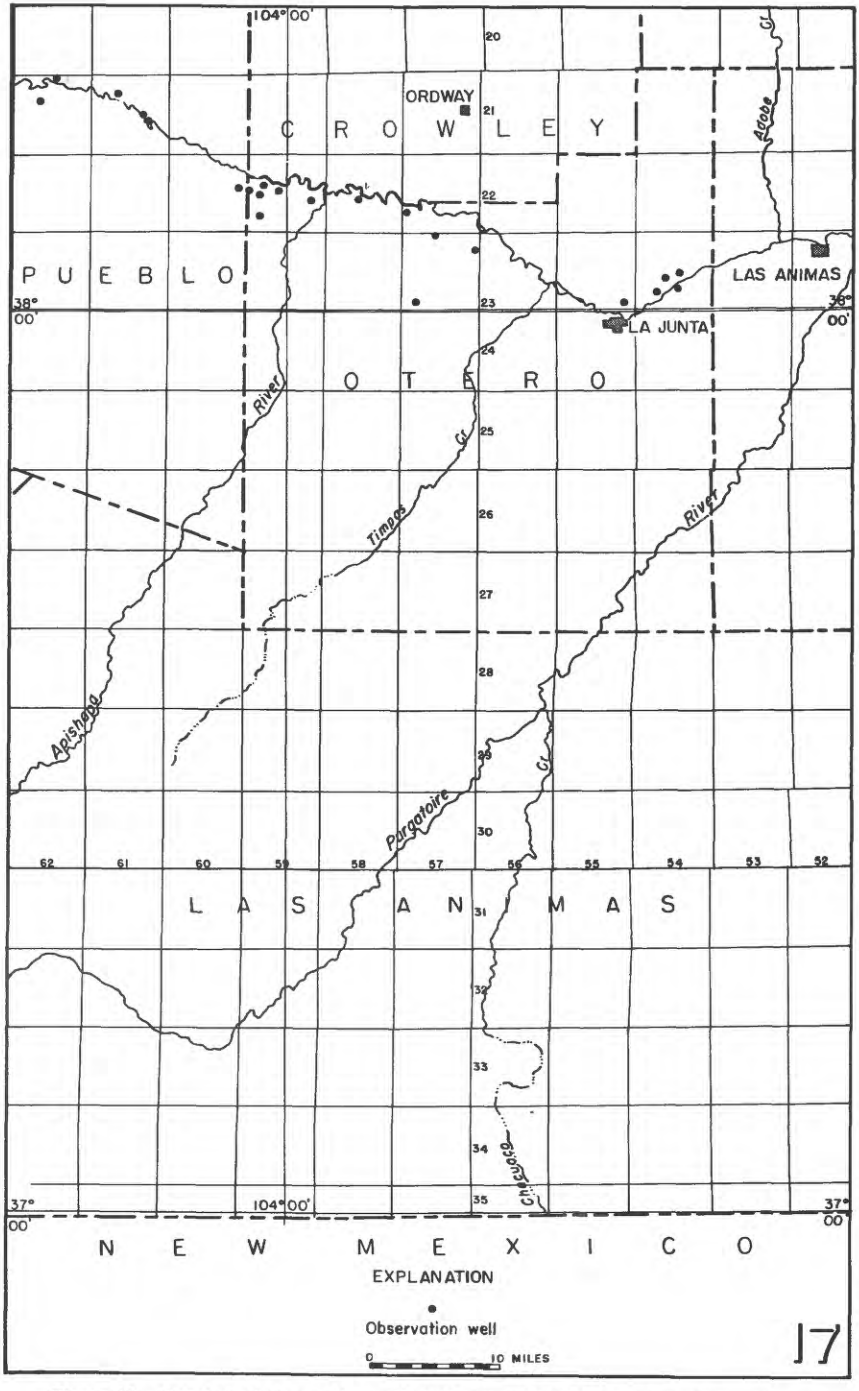


Figure 10. --Location of observation wells in Otero and Pueblo Counties, Colo., 1955.

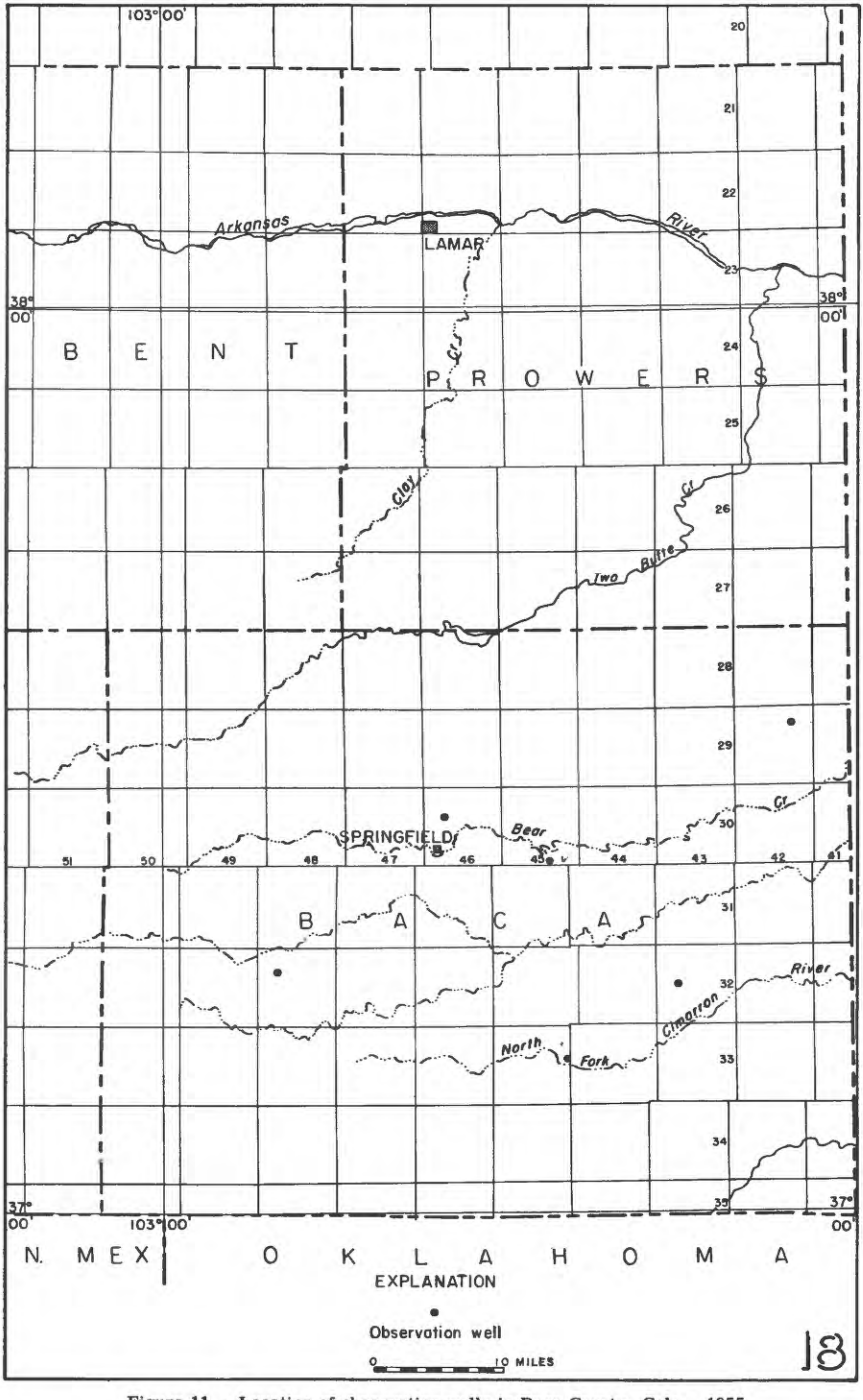


Figure 11.--Location of observation wells in Baca County, Colo., 1955.

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 53.74 below lsd, Nov. 10, 1955. Records available: 1946-52, 1954-55. Apr. 6, 51.18; Nov. 10, 53.74.

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 53.26 below lsd, Nov. 10, 1955. Records available: 1946, 1948-49, 1951-52, 1954-55. Apr. 6, 50.50; Nov. 10, 53.26.

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 19.06 below lsd, Nov. 9, 1955. Records available: 1947-55. Apr. 5, 18.80; Nov. 9, 19.06.

C-1-66-7cc. C. Hose. Dug irrigation water-table well in alluvium, diameter 5 feet, depth 28 feet. Highest water level 15.90 below lsd, Sept. 17, 1930; lowest 22.80 below lsd, Apr. 5, 1955. Records available: 1929-55. Apr. 5, 22.80; Nov. 8, 22.14.

C-1-66-19dc. A. B. Perry. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 44 feet. Highest water level 26.35 below lsd, Nov. 9, 1949; lowest 35.38 below lsd, Apr. 5, Nov. 9, 1955. Records available: 1941-55. Apr. 5, 35.38; Nov. 9, 35.38.

C-1-67-13db. Edward Schnute. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 32 feet. Highest water level 16.21 below lsd, Sept. 17, 1930; lowest 25.65 below lsd, May 8, 1941. Records available: 1929-55. Apr. 5, 25.58; Nov. 8, 24.13.

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 34.62 below lsd, Nov. 9, 1955. Records available: 1938-55. Apr. 5, 32.75; Nov. 9, 34.62.

C-2-65-14dcb. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 12.70 below lsd, Nov. 16, 1948; lowest 22.54 below lsd, Nov. 9, 1955. Records available: 1933-55. Apr. 5, 20.99; Nov. 9, 22.54.

C-2-65-23dab. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 58 feet. Highest water level 13.79 below lsd, Apr. 21, 1949; lowest 30.78 below lsd, Nov. 9, 1955. Records available: 1933-55. Apr. 5, 26.46; Nov. 9, 30.78.

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 33.88 below lsd, Nov. 9, 1955. Records available: 1934, 1941-55. Apr. 5, 30.15; Nov. 9, 33.88.

C-2-65-35dbb. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 14.04 below lsd, May 13, 1942; lowest 29.97 below lsd, Nov. 11, 1954. Records available: 1933-55. Nov. 9, 29.65.

C-2-65-35dcd. Box Elder Farms. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 47 feet. Highest water level 12.04 below lsd, May 13, 1942; lowest 26.29 below lsd, Nov. 11, 1954. Records available: 1933-55. Apr. 5, 22.67; Nov. 9, 25.40.

C-2-67-10dcd. Cora Wall. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 41 feet. Highest water level 22.27 below lsd, Oct. 28, 1947; lowest 30.59 below lsd, Apr. 5, 1955. Records available: 1937-55. Apr. 5, 30.59; Nov. 9, 30.19.

C-2-67-20dcd. Charles Fadden. Dug irrigation water-table well in alluvium, diameter 10 feet, depth 40 feet. Highest water level 22.95 below lsd, Oct. 28, 1947; lowest 27.77 below lsd, Nov. 11, 1954. Records available: 1936-55. Apr. 5, 25.81; Nov. 9, 26.74.

C-3-65-23aa1. Jeff Drohan. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 51 feet. Highest water level 16.07 below lsd, Nov. 29, 1949; lowest 29.07 below lsd, Nov. 9, 1955. Records available: 1949-55. Apr. 5, 28.03; Nov. 9, 29.07.

C-3-65-23ddd. Jeff Drohan. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 49 feet. Highest water level 14.20 below lsd, Apr. 22, 1948; lowest 30.14 below lsd, Nov. 11, 1954. Records available: 1941-55. Apr. 5, 28.66; Nov. 9, 29.75.

Arapahoe County

C-4-68-33cd. Frank Hornbuckle. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 23 feet. Highest water level 4.60 below lsd, June 27, 1947; lowest 13.53 below lsd, Nov. 25, 1955. Records available: 1942-55.

C-4-68-33cd--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	13.31	Apr. 25	12.71	Aug. 1	11.88	Oct. 24	12.72
Feb. 23	13.36	May 23	11.01	Sept. 8	12.24	Nov. 25	13.53
Mar. 26	13.40	June 24	12.51	Oct. 1	12.73		

Baca County

C-29-42-11bcd. Harold Walker. Drilled unused water-table well in alluvium, diameter 5 inches, depth 26 feet. Highest water level 22.65 below lsd, May 24, 1952; lowest 24.18 below lsd, Nov. 21, 1955. Records available: 1952-55. Mar. 25, 23.79; Nov. 21, 24.18.

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 86.11 below lsd, Nov. 21, 1955; lowest 88.28 below lsd, Sept. 7, 1947. Records available: 1947-55. Mar. 25, 86.43; Nov. 21, 86.11.

C-30-46-17bc. Maude A. Rarex. Dug unused stock water-table well in alluvium, diameter 10 feet, depth 15 feet. Highest water level 8.73 below lsd, May 18, 1951; lowest 12.99 below lsd, Oct. 1, 1948. Records available: 1947-55. Nov. 22, 11.00.

C-32-43-20aaa. H. F. Koelsch. Drilled unused artesian well in Dakota sandstone, diameter 6 inches, depth 171 feet. Land-surface datum is 3,927.3 feet above msl. Highest water level 84.28 below lsd, June 25, 1953; lowest 86.58 below lsd, Aug. 16, 1949. Records available: 1947-55. Mar. 25, 84.98; Nov. 22, 84.56.

C-32-48-8cbb. S. D. Huff. Drilled unused water-table well in Dakota sandstone, diameter 6 inches, depth 247 feet. Land-surface datum is 4,798.5 feet above msl. Highest water level 190.22 below lsd, Nov. 22, 1955; lowest 194.35 below lsd, June 3, 1947. Records available: 1947-55. Mar. 25, 190.92; Nov. 22, 190.22.

C-33-45-13dad. J. A. and M. W. Davis. Drilled unused water-table well in Dakota sandstone, diameter 6 inches, depth 186 feet. Land-surface datum is 4,150.8 feet above msl. Highest water level 75.02 below lsd, Nov. 22, 1955; lowest 80.09 below lsd, Dec. 21, 1947. Records available: 1947-55. Mar. 25, 75.14; Nov. 22, 75.02.

Elbert County

C-9-57-8abb. J. C. Mattson. Drilled unused water-table well in alluvium, diameter 6 inches, depth 28 feet. Highest water level 5.00 below lsd, July 2, 1947; lowest 7.45 below lsd, Sept. 29, 1953. Records available: 1945-55.

Mar. 1	6.57	May 17	6.53	July 30	7.38	Oct. 15	7.40
Apr. 18	6.19	June 20	6.45	Sept. 5	7.44	Nov. 23	7.15

C-9-58-34ccb. Heber Ellsworth. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 55 feet. Highest water level 10.48 below lsd, July 2, 1947; lowest 16.46 below lsd, Aug. 19, 1954. Records available: 1945-55. Mar. 1, 14.70; Nov. 23, 15.30.

C-10-59-22ab. William Groff. Drilled irrigation water-table well in alluvium, diameter 24 to 18 inches, depth 55 feet. Land-surface datum is 5,800.1 feet above msl. Highest water level 10.52 below lsd, May 3, 1947; lowest 14.65 below lsd, July 21, 1953. Records available: 1945-55. Mar. 1, 13.06; June 23, 13.30; Nov. 23, 13.70.

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: 1945-55. Mar. 1, 24.74; June 23, 24.91; Nov. 23, 25.47.

El Paso County

C-11-62-22ad. Anthony Eurich. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 44 feet. Land-surface datum is 6,364.8 feet above msl. Highest water level 5.49 below lsd, Aug. 9, 1947; lowest 8.48 below lsd, July 11, 1952. Records available: 1945-55. Mar. 1, 7.51; June 23, 7.56; Nov. 23, 7.60.

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 43.62 below lsd, Mar. 30, 1955. Records available: 1944-55. Mar. 30, 43.62; Dec. 14, 39.66.

C-15-66-14abd2. T. L. Bender. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 53 feet. Highest water level 22.82 below lsd, Nov. 4, 1948; lowest 34.35 below lsd, Dec. 17, 1954. Records available: 1948-55. Dec. 14, 30.70.

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 34.31 below lsd, Dec. 14, 1955. Records available: 1944-55. Dec. 14, 34.31.

C-16-65-17aa. John Wilson. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 58 feet. Highest water level 36.01 below lsd, Mar. 17, 1953; lowest 39.45 below lsd, Mar. 30, 1955. Records available: 1953-55. Mar. 30, 39.45; Dec. 14, 37.30.

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: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	35.57	Mar. 15	35.24	June 6	26.92	Nov. 9	32.45
Feb. 10	34.99	Apr. 6	34.97	Oct. 18	30.71	Dec. 9	33.80

Huerfano County

C-25-67-25bcd. C. H. Money. Dug stock water-table well in alluvium, diameter 4 feet, depth 26 feet. Highest water level 14.49 below lsd, July 8, 1952; lowest 18.75 below lsd, Oct. 19, 1954. Records available: 1951-55. Jan. 20, 18.17; Mar. 1, 17.92; Mar. 26, 17.99; Apr. 25, 18.00; May 23, 17.79; June 23, 16.68; Nov. 23, 17.30.

C-26-67-25cad. Eugene Ellis. Drilled stock water-table well in alluvium, diameter 7 inches, depth 22 feet. Highest water level 6.02 below lsd, May 23, 1955; lowest 9.53 below lsd, Sept. 12, Oct. 16, 1951. Records available: 1950-55. Jan. 20, 8.40; Mar. 1, 8.14; Mar. 26, 7.99; Apr. 25, 7.41; May 23, 6.02; June 23, 7.39; Nov. 23, 7.50.

C-27-67-36aca. Mr. Faris. Drilled stock water-table well in Trinidad sandstone, diameter 7 inches, depth 62 feet. Highest water level 44.15 below lsd, Feb. 7, 1950; lowest 48.67 below lsd, Apr. 26, 1955. Records available: 1950-55. Jan. 21, 48.21; Mar. 2, 47.76; Mar. 26, 47.74; Apr. 26, 48.67; May 23, 48.25; June 23, 48.18; Nov. 23, 46.85.

C-27-68-4cbc. Mrs. Thorn. Dug domestic and stock water-table well in alluvium, diameter 36 inches, depth 28 feet. Highest water level 11.32 below lsd, June 12, 1953; lowest 22.80 below lsd, Jan. 8, 1951. Records available: 1950-55. Mar. 2, 19.62; Mar. 26, 20.68; Apr. 26, 17.84; May 24, 13.00; June 23, 13.03; Nov. 23, 19.47.

C-28-66-15bcc. Henry Meyer. Drilled unused water-table well in alluvium, diameter 6 inches, depth 67 feet. Highest water level 11.22 below lsd, Aug. 19, 1953; lowest 25.21 below lsd, June 24, 1953. Records available: 1950-55. Jan. 21, 24.04; Mar. 2, 23.99; Mar. 26, 24.03; Apr. 25, 24.08; May 23, 23.35; June 24, 24.44; Nov. 23, 23.48.

C-28-67-24dac. Cuchara Land Co. Dug artesian well in Raton formation, size 12 by 20 feet, depth 646 feet. Highest water level 103.87 below lsd, Nov. 23, 1955; lowest 111.12 below lsd, Jan. 21, 1954. Records available: 1952-55. Jan. 20, 106.88; Mar. 2, 106.67; Mar. 26, 106.79; Apr. 25, 106.71; May 23, 106.00; June 24, 105.18; Nov. 23, 103.87.

C-29-67-19acb. Ewell Woodring. Drilled unused water-table well in sandstone, diameter 7 inches, depth 142 feet. Highest water level 34.54 below lsd, May 22, 1952; lowest 37.93 below lsd, Dec. 23, 1954. Records available: 1951-55. Jan. 21, 37.52; Mar. 2, 37.30; Mar. 26, 37.27; Apr. 25, 37.04; June 24, 36.85; Nov. 23, 37.06.

Kit Carson County

C-8-49-17ccb. Harley Greenlee. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 19 feet. Land-surface datum is 4,562.3 feet above msl. Highest water level 8.74 below lsd, June 12, 1951; lowest 11.47 below lsd, Nov. 21, 1952. Records available: 1950-55.

C-8-49-17ccb--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 4, 1950	9.48	Dec. 27, 1951	9.09	Nov. 21, 1952	11.47	Oct. 27, 1954	9.81
Oct. 3	9.71	Jan. 23, 1952	8.91	Dec. 18	11.33	Dec. 17	9.79
Nov. 1	9.80	Mar. 30	9.00	Jan. 26, 1953	10.64	Jan. 10, 1955	9.65
Dec. 5	9.65	Apr. 29	8.83	Apr. 28	9.68	Feb. 15	9.59
Jan. 10, 1951	9.50	May 28	8.75	June 29	10.44	Mar. 21	9.32
Feb. 15	9.54	July 1	10.18	Aug. 31	10.45	Apr. 20	9.27
Mar. 15	9.33	29	10.33	Oct. 22	11.17	May 18	9.60
Apr. 17	9.10	Aug. 26	11.25	Apr. 17, 1954	9.50	July 29	9.25
May 24	9.02	Sept. 20	11.09	July 24	10.83	Nov. 21	10.62
June 12	8.74	Oct. 14	11.04	Aug. 18	9.54	Dec. 19	10.74
Oct. 19	9.35						

C-8-51-10ab. George Hubbard. Drilled irrigation water-table well in Ogallala formation, diameter 18 inches, depth 74 feet. Land-surface datum is 4,870.7 feet above msl. Highest water level 29.57 below lsd, Aug. 6, 1951; lowest 35.51 below lsd, Oct. 4, 1955. Records available: 1950-55.

Nov. 1, 1950	31.51	Dec. 27, 1951	30.15	Dec. 18, 1952	31.83	Feb. 14, 1955	32.64
Jan. 10, 1951	31.73	Jan. 23, 1952	30.37	Jan. 26, 1953	31.64	Mar. 15	32.63
Feb. 15	31.67	Mar. 30	30.70	Apr. 28	31.86	Apr. 18	32.93
Mar. 15	31.76	Apr. 29	30.69	June 29	34.04	May 17	34.66
Apr. 17	31.73	May 28	30.85	Aug. 31	33.06	June 20	32.55
May 24	31.66	Aug. 26	33.20	Oct. 22	34.88	Oct. 4	35.51
June 12	31.07	Sept. 20	33.52	Apr. 17, 1954	31.84	Nov. 18	33.37
Aug. 6	29.57	Oct. 14	31.72	Oct. 26	34.77	Dec. 20	32.95
Oct. 19	30.10	Nov. 21	32.40	Jan. 4, 1955	33.23		

C-9-50-7bba. Bowers. Drilled domestic water-table well in Ogallala formation, diameter 5 inches, depth 32 feet. Land-surface datum is 4,856.9 feet above msl. Highest water level 25.86 below lsd, May 28, 1952; lowest 26.45 below lsd, Aug. 11, 1950. Records available: 1950-55.

Aug. 11, 1950	26.45	Dec. 27, 1951	26.09	Dec. 18, 1952	26.07	Jan. 4, 1955	26.19
Sept. 1	26.42	Jan. 23, 1952	26.03	Jan. 26, 1953	25.99	Feb. 14	26.14
Oct. 3	26.42	Mar. 30	26.00	Apr. 28	25.98	Mar. 15	26.10
Nov. 1	26.42	Apr. 29	25.90	June 29	26.14	Apr. 18	25.88
Dec. 5	26.40	May 28	25.86	Aug. 31	26.06	May 17	26.09
Jan. 10, 1951	26.38	July 1	26.06	Oct. 22	26.20	June 20	26.06
Feb. 15	26.35	29	26.16	Apr. 17, 1954	26.05	July 20	26.33
Mar. 15	26.34	Aug. 26	26.09	July 23	26.27	Aug. 30	26.33
Apr. 17	26.32	Sept. 20	26.12	Aug. 18	26.01	Sept. 26	26.33
May 24	26.30	Oct. 14	26.17	Oct. 27	26.22	Nov. 18	26.35
June 12	26.15	Nov. 21	26.10	Nov. 27	26.31	Dec. 19	26.34
Aug. 6	25.93						

C-10-43-35bb. Ken Hitchcock. Drilled irrigation water-table well in Ogallala formation, diameter 18 inches, depth 247 feet. Land-surface datum is 4,098.9 feet above msl. Highest water level 87.14 below lsd, May 28, 1952; lowest 94.25 below lsd, Oct. 6, 1955. Records available: 1950-55

July 1, 1950	89.94	Oct. 19, 1951	88.16	Oct. 28, 1952	87.93	Oct. 26, 1954	91.07
Nov. 2	88.10	Dec. 27	87.58	Nov. 21	87.80	Nov. 26	90.55
Dec. 5	92.55	Jan. 23, 1952	87.50	Dec. 18	87.69	Jan. 5, 1955	90.21
Jan. 9, 1951	89.13	Mar. 30	87.33	Jan. 26, 1953	87.58	Feb. 16	89.84
Feb. 14	88.58	Apr. 29	87.28	Feb. 24	87.71	Mar. 17	89.72
Mar. 14	88.37	May 28	87.14	Apr. 28	87.84	Oct. 6	94.25
Apr. 18	88.25	June 30	87.47	June 30	87.65	Nov. 17	92.83
May 23	88.28	Aug. 25	88.48	Aug. 31	90.63	Dec. 20	92.27
June 12	88.16	Sept. 16	88.15	Oct. 22	90.74		

C-11-43-12cc. Floyd Powell. Drilled irrigation water-table well in Ogallala formation, diameter 18 inches, depth 233 feet. Land-surface datum is 4,104.7 feet above msl. Highest water level 78.83 below lsd, May 28, 1952; lowest 84.48 below lsd, Aug. 31, 1955. Records available: 1950-55.

Aug. 30, 1950	80.24	Jan. 23, 1952	79.00	Jan. 26, 1953	79.52	Mar. 17, 1955	80.63
Oct. 31	79.70	Mar. 30	78.88	Feb. 24	79.68	Apr. 21	82.49
Jan. 9, 1951	79.74	Apr. 29	78.90	Apr. 28	79.48	May 19	82.00
Feb. 14	79.58	May 28	78.83	June 30	79.72	June 21	81.41
Mar. 14	79.50	June 30	80.36	Oct. 22	80.35	Aug. 31	84.48
Apr. 18	80.16	Sept. 16	81.80	Oct. 24, 1954	82.24	Oct. 6	82.36
May 23	79.59	Oct 28	80.14	Nov. 26	81.32	Nov. 17	81.45
Oct. 19	79.69	Nov. 21	79.87	Jan. 5, 1955	80.96	Dec. 20	81.16
Dec. 27	79.07	Dec. 18	79.66	Feb. 16	80.66		

Larimer County

B-5-68-17aa. Formerly B-5-68-17abb. George Peak. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 24 feet. Highest water level 5.43 below lsd, Oct. 27, 1947; lowest 14.45 below lsd, Apr. 20, 1949. Records available: 1941-55. Apr. 4, 13.38; Nov. 8, 8.27.

B-6-68-1ba. M. J. Warner. Dug irrigation water-table well in alluvium, diameter 4 feet. Highest water level 9.19 below lsd, Oct. 4, 1943; lowest 12.74 below lsd, May 2, 1941. Records available: 1941-55. Apr. 8, 12.33; Nov. 22, 11.80.

B-7-68-5cb. Milton E. Payne. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 76 feet. Highest water level 26.78 below lsd, Nov. 29, 1951; lowest 29.79 below lsd, Apr. 9, 1955. Records available: 1950-55. Apr. 9, 29.79; Nov. 23, 29.77.

B-7-68-10cbb. Drake Estate. Drilled irrigation water-table well in alluvium, diameter 12 inches. Highest water level 2.66 below lsd, July 6, 1929; lowest 7.91 below lsd, Nov. 24, 1954. Records available: 1929-30, 1932-55. Apr. 9, 7.57; Nov. 23, 7.35.

B-7-68-22bbb. Ray Pitcher. Dug irrigation water-table well in alluvium, diameter 6 feet, depth 25 feet. Highest water level 1.58 below lsd, July 6, 1929; lowest 8.33 below lsd, Aug. 6, 1934. Records available: 1928-30, 1932-55. Apr. 8, 5.95; Nov. 22, 5.90.

B-7-68-23cbb. W. A. Scott. Drilled unused water-table well in alluvium, diameter 4 feet. Highest water level 6.30 below lsd, Nov. 16, 1942; lowest 9.50 below lsd, May 2, 1941. Records available: 1941-55. Apr. 8, 7.18; Nov. 22, 6.50.

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 39.41 below lsd, Nov. 23, 1955. Records available: 1943-55. Apr. 9, 35.00; Nov. 23, 39.41.

B-8-68-4dd. C. S. Ferris. Drilled unused domestic water-table well in alluvium, diameter 16 inches, depth 36 feet. Highest water level 27.52 below lsd, Apr. 27, 1955; lowest 33.50 below lsd, Dec. 21, 1955. Records available: 1954-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30.27	29.83	.....	.....	28.33	30.46	31.40	32.50	33.41	33.10	.....	.....
2	30.27	29.81	.....	.....	28.54	30.46	31.45	31.85	33.43	33.13	.....	.....
3	30.22	29.80	.....	.....	28.70	30.45	31.46	32.35	33.45	33.20	.....	.....
4	30.21	29.80	.....	.....	28.82	30.30	31.51	32.30	31.80	33.23	.....	.....
5	30.20	29.80	.....	.....	28.92	.....	31.59	32.55	32.00	33.28	.....	.....
6	30.18	29.80	.....	.....	29.00	29.10	31.68	.....	32.87	33.30	.....	.....
7	30.13	29.79	.....	.....	29.20	29.45	31.78	.....	33.17	33.40	.....	.....
8	30.13	29.78	.....	.....	29.33	29.83	31.90	.....	33.22	33.40	.....	.....
9	30.08	29.69	.....	.....	29.33	30.02	32.03	.....	33.30	.....	.....	.....
10	30.00	29.61	.....	.....	29.15	30.19	32.12	.....	33.40	.....	.....	.....
11	29.98	29.59	.....	.....	28.73	30.31	32.20	.....	.....	.....	.....	.....
12	30.00	29.53	.....	.....	28.70	30.42	32.30	.....	.....	.....	.....	.....
13	29.98	29.31	.....	.....	28.30	30.51	32.40	.....	.....	.....	.....	.....
14	29.98	29.30	.....	.....	28.60	30.64	32.45	.....	.....	.....	.....	.....
15	30.30	29.28	.....	.....	28.93	30.77	32.50	.....	.....	33.63	.....	.....
16	30.26	29.28	.....	28.97	28.98	30.82	32.50	.....	.....	.....	.....	.....
17	30.23	29.21	.....	28.95	29.12	30.90	31.55	.....	33.50	.....	.....	.....
18	30.24	29.19	.....	28.93	29.30	30.98	31.60	.....	30.15	.....	.....	.....
19	30.23	.....	.....	28.92	29.40	31.00	31.62	33.00	30.20	.....	.....	.....
20	30.19	.....	.....	28.92	29.40	31.05	30.68	.....	31.00	.....	.....	.....
21	30.13	.....	.....	28.92	29.51	31.10	31.45	31.95	31.90	.....	.....	33.50
22	30.10	.....	.....	28.92	29.15	31.11	31.80	32.58	32.70	.....	.....	33.48
23	30.02	.....	.....	28.81	28.86	31.15	32.21	32.69	32.90	.....	.....	33.41
24	30.00	.....	.....	28.55	29.22	31.20	32.40	32.80	32.95	.....	.....	33.37
25	29.98	.....	.....	28.40	29.50	31.25	.....	32.92	32.95	.....	.....	33.35
26	29.96	.....	.....	27.85	29.70	31.27	.....	33.05	32.93	.....	.....	33.34
27	29.93	.....	.....	27.52	29.90	31.29	.....	33.15	32.93	.....	.....	33.32
28	29.91	.....	.....	27.70	30.10	31.30	.....	33.23	32.96	.....	.....	33.32
29	29.89		.....	27.80	30.17	31.32	.....	33.30	33.00	.....	.....	33.30
30	29.86		.....	28.20	30.28	31.38	.....	33.32	33.05	.....	.....	33.29
31	29.85		.....		30.40		.....	33.39		.....		33.28

B-8-68-10cbb. A. L. Bee. Dug irrigation water-table well in alluvium, diameter 11 feet, depth 28 feet. Highest water level 5.08 below lsd, July 6, 1929; lowest dry, Apr. 9, 1955. Records available: 1929, 1932-55. Apr. 9, dry.

B-8-68-16aa1. R. E. Nutter. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth 57 feet. Highest water level 29.32 below lsd, Apr. 24, 1953; lowest 42.04 below lsd, Nov. 23, 1955. Records available: 1952-55. Apr. 9, 36.21; Nov. 23, 42.04.

B-8-68-22cbb1. J. E. Swansen. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 38 feet. Highest water level 12.44 below lsd, May 5, 1952; lowest 22.09 below lsd, Nov. 23, 1955. Records available: 1929-30, 1932-55. Apr. 9, 17.98; Nov. 23, 22.09.

B-8-68-27cbb. A. L. Seamans. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 32 feet. Highest water level 8.94 below lsd, July 6, 1929; lowest 20.30 below lsd, Nov. 23, 1955. Records available: 1929-55. Apr. 9, 16.20; Nov. 23, 20.30.

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 19.21 below lsd, Nov. 23, 1955. Records available: 1929-30, 1932-34, 1937-53, 1955. Apr. 9, 15.03; Nov. 23, 19.21.

B-8-68-33ccc. F. C. Kluver. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 33 feet. Highest water level 11.60 below lsd, Sept. 18, 1929; lowest 17.09 below lsd, Nov 24, 1954. Records available: 1929-30, 1932-55. Apr. 9, 15.60; Nov. 23, 16.88.

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 59.05 below lsd, Nov. 2, 1955. Records available: 1939-55. Apr. 9, 50.18; Nov. 23, 59.05.

B-9-68-27ba. John Wagner. Dug unused water-table well in alluvium, diameter 14 feet, depth 30 feet. Highest water level 24.08 below lsd, Nov. 27, 1953; lowest 28.40 below lsd, Apr. 17, 1951. Records available: 1949-55. Nov. 23, 26.71.

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 28.32 below lsd, Nov. 23, 1955. Records available: 1938-55. Apr. 9, 25.24; Nov. 23, 28.32.

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

Logan County

B-6-53-16dd1. H. E. Ballin. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 80 feet. Highest water level 20.82 below lsd, Oct. 7, 1948; lowest 24.99 below lsd, Apr. 9, 1952. Records available: 1947-55. Apr. 2, 24.73; Nov. 1, 24.40.

B-6-53-30bc1. C. E. Gaines. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 110 feet. Highest water level 11.47 below lsd, July 8, 1949; lowest 13.99 below lsd, Apr. 2, 1955. Records available: 1947-55. Apr. 2, 13.99; Nov. 1, 13.48.

B-6-54-24bc1. N. A. Nelson. Drilled irrigation water-table well in alluvium, depth 78 feet. Highest water level 9.70 below lsd, Aug. 19, 1947; lowest 14.98 below lsd, Apr. 5, 1955. Records available: 1947-55. Apr. 5, 14.98; Nov. 1, 14.80.

B-7-53-18bd. John Price. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 48 feet. Highest water level 16.53 below lsd, Dec. 11, 1947; lowest 24.03 below lsd, Oct. 31, 1955. Records available: 1947-55. Apr. 5, 21.70; Oct. 31, 24.03.

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 18.05 below lsd, Nov. 1, 1955. Records available: 1943-55. Apr. 5, 16.35; Nov. 1, 18.05.

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 33.73 below lsd, Nov. 1, 1955. Records available: 1940-55. Apr. 2, 33.00; Nov. 1, 33.73.

B-7-53-26ab. Ben Fish. Drilled irrigation water-table well in alluvium, diameter 12 inches, Land-surface datum is 3,997.4 feet above msl. Highest water level 8.43 below lsd, July 8, 1949; lowest 10.62 below lsd, Apr. 3, 1951. Records available: 1928-29, 1935, 1940-55. Apr. 2, 10.32; Nov. 1, 9.85.

B-7-54-12bc. John Amen. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 40 feet. Land-surface datum is 4,102.8 feet above msl. Highest water level 11.11 below lsd, Apr. 12, 1950; lowest 14.97 below lsd, Oct. 6, 1952. Records available: 1950-55. Apr. 5, 11.70; Oct. 31, 13.74.

B-8-51-6ad. Vic Ramey. Drilled irrigation water-table well in alluvium, depth 82 feet. Highest water level 19.48 below lsd, July 12, 1948; lowest 21.98 below lsd, Apr. 22, 1953, Oct. 31, 1955. Records available: 1947-55. Apr. 5, 21.78; Oct. 31, 21.98.

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 6.52 below lsd, Apr. 5, 1955. Records available: 1929-30, 1935, 1940-55. Apr. 5, 6.52; Oct. 31, 5.90.

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 21.13 below lsd, Apr. 5, 1955. Records available: 1940-55. Apr. 5, 21.13; Oct. 31, 20.88.

B-9-51-31bb. Frank Manuello. Drilled irrigation water-table well in alluvium, depth 106 feet. Highest water level 2.89 below lsd, Oct. 6, 1947; lowest 6.41 below lsd, Aug. 4, 1950. Records available: 1947-55. Apr. 5, 4.15; Oct. 31, 4.89.

B-10-48-4bc. John Apts. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 38 feet. Highest water level 5.53 below lsd, June 1, 1949; lowest 9.88 below lsd, Oct. 17, 1954. Records available: 1948-55. Apr. 5, 9.05; Oct. 31, 9.04.

B-10-49-2cb. G. E. Henry. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 32 feet. Highest water level 4.17 below lsd, Aug. 8, 1950; lowest 6.50 below lsd, Oct. 31, 1955. Records available: 1947-55. Apr. 5, 5.30; Oct. 31, 6.50.

B-10-49-8cc. Oliver Engleman. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 50 feet. Highest water level 10.26 below lsd, Aug. 8, 1950; lowest 16.00 below lsd, Apr. 13, 1948. Records available: 1948-55. Apr. 5, 15.65; Oct. 31, 10.98.

Morgan County

B-1-55-18bcc. R. H. Awmiller. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 68 feet. Land-surface datum is 4,396.3 feet above msl. Highest water level 33.16 below lsd, Apr. 17, 1942; lowest 51.15 below lsd, Oct. 21, 1954. Records available: 1940-55. Oct. 24, 50.36.

B-1-55-31dac. James Bolinger. Dug and drilled irrigation water-table well in alluvium, diameter 12 inches, depth 62 feet. Land-surface datum is 4,437.9 feet above msl. Highest water level 30.91 below lsd, Apr. 17, 1942; lowest 48.50 below lsd, Apr. 8, 1953. Records available: 1940-55. Mar. 31, 40.99; Oct. 24, 40.20.

B-1-56-1dc. Mrs. W. Shaw. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 70 feet. Highest water level 31.30 below lsd, Apr. 17, 1942; lowest 51.91 below lsd, Oct. 24, 1955. Records available: 1940-55. Mar. 31, 47.04; Oct. 24, 51.91.

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

B-1-60-2dd1. F. Harshman. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 86 feet. Highest water level 36.47 below lsd, Apr. 13, 1948; lowest 52.50 below lsd, Oct. 21, 1954. Records available: 1947-55. Mar. 31, 48.86; Oct. 28, 52.30.

B-1-60-12cc. Anna Hogan. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 116 feet. Land-surface datum is 4,711.3 feet above msl. Highest water level 30.16 below lsd, Apr. 30, 1947; lowest 53.45 below lsd, Oct. 21, 1954. Records available: 1946-55. Mar. 31, 46.45; Oct. 28, 52.47.

B-1-60-23bcc. Louis Westhoff. Drilled irrigation water-table well in alluvium, diameter 30 inches, depth 89 feet. Land-surface datum is 4,731.0 feet above msl. Highest water level 14.29 below lsd, Apr. 1, 1943; lowest 26.95 below lsd, Oct. 21, 1954. Records available: 1942-55. Mar. 31, 23.32; Oct. 24, 26.76.

B-1-60-23da. Louis Westhoff. Drilled unused water-table well in alluvium, diameter 6 inches, depth 84 feet. Highest water level 32.61 below lsd, May 22, 1953; lowest 39.31 below lsd, Sept. 18-19, 1955. Records available: 1953-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	37.48	37.45	37.39	37.32	37.62	.....	38.15	38.83	39.11	39.27	.....	39.25
2	37.47	37.45	37.39	37.30	37.66	.....	38.20	38.84	39.11	39.26	.....	39.26
3	37.48	37.45	37.39	37.30	37.66	.....	38.23	38.88	39.11	39.26	.....	39.26
4	37.47	37.45	37.40	37.32	37.63	.....	38.23	38.91	39.13	39.26	.....	39.27
5	37.48	37.44	37.40	37.32	37.65	.....	38.26	38.91	39.16	39.26	.....	39.27
6	37.48	37.45	37.39	37.32	37.70	.....	38.26	38.93	39.19	39.28	.....	39.24
7	37.47	37.44	37.39	37.32	37.74	.....	38.29	38.93	39.22	39.28	.....	39.26
8	37.47	37.44	37.38	37.33	37.76	.....	38.32	38.84	39.24	39.27	.....	39.26
9	37.47	37.45	37.37	37.34	37.79	.....	38.33	38.89	39.27	39.27	.....	39.25
10	37.47	37.46	37.36	37.34	37.79	.....	38.36	38.90	39.28	39.27	39.27	39.26
11	37.47	37.45	37.37	37.33	37.80	.....	38.40	38.89	39.26	39.27	39.28	39.26
12	37.47	37.44	37.36	37.34	37.83	.....	38.43	38.91	39.25	39.30	39.29	39.24
13	37.48	37.44	37.36	37.34	37.84	.....	38.46	38.93	39.24	39.29	39.29	39.25
14	37.48	37.44	37.36	37.34	37.84	.....	38.48	38.96	39.26	39.29	39.26	39.26
15	37.48	37.42	37.37	37.34	37.86	.....	38.49	38.97	39.27	39.28	39.28	39.26
16	37.48	37.42	37.37	37.34	37.88	.....	38.53	39.00	39.30	39.29	39.28	39.22
17	37.47	37.42	37.35	37.33	37.88	.....	38.55	39.04	39.30	39.29	39.28	39.23
18	37.47	37.41	37.35	37.33	37.86	.....	38.57	39.05	39.31	39.28	39.29	39.26
19	37.46	37.41	37.34	37.35	37.86	.....	38.57	39.08	39.31	39.28	39.29	39.23
20	37.46	37.41	37.34	37.35	37.86	.....	38.60	39.08	39.29	39.28	39.28	39.23
21	37.46	37.41	37.34	37.36	37.86	.....	38.64	39.11	39.27	.....	39.27	39.23
22	37.46	37.41	37.33	37.40	37.86	.....	38.67	39.12	39.27	.....	39.29	39.21
23	37.47	37.41	37.34	37.42	37.87	.....	38.68	39.14	39.27	.....	39.29	39.21
24	37.47	37.41	37.34	37.42	37.90	.....	38.68	39.16	39.27	.....	39.29	39.25
25	37.46	37.39	37.34	37.47	37.90	.....	38.69	39.17	39.26	.....	39.29	39.24
26	37.47	37.39	37.34	37.52	37.90	.....	38.73	39.20	39.26	.....	39.26	39.23
27	37.47	37.39	37.33	37.57	.....	.....	38.73	39.23	39.26	.....	39.29	39.21
28	37.46	37.39	37.32	37.58	.....	.....	38.76	39.18	39.26	.....	39.28	39.23
29	37.45		37.32	37.57	.....	38.06	38.78	39.14	39.26	.....	39.27	39.23
30	37.45		37.32	37.60	.....	38.08	38.80	39.12	39.27	.....	39.26	39.23
31	37.45		37.32		.....		38.81	39.11		.....		39.21

B-1-60-27dd. Paul Wells. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 107 feet. Land-surface datum is 4,761.6 feet above msl. Highest water level 19.03 below lsd, Jan. 8, 1948; lowest 30.45 below lsd, Oct. 21, 1954. Records available: 1947-55. Mar. 31, 28.24; Oct. 26, 30.30.

B-1-60-34cc1. E. Watson. Drilled irrigation water-table well in alluvium, diameter 18 inches. Highest water level 25.63 below lsd, Jan. 8, 1948; lowest 38.07 below lsd, Oct. 26, 1955. Records available: 1947-55. Mar. 31, 33.60; Oct. 26, 38.07.

B-2-55-30bc1. Jacob Bickert. Drilled irrigation water-table well in alluvium, diameter 36 inches, depth 64 feet. Land-surface datum is 4,343.4 feet above msl. Highest water level 20.40 below lsd, Apr. 25, 1946; lowest 36.35 below lsd, Oct. 24, 1955. Records available 1944-55. Mar. 31, 31.97; Oct. 24, 36.35.

B-2-56-13aa2. J. L. Hunt. Dug and drilled irrigation water-table well in alluvium, diameter 18 inches. Land-surface datum is 4,308.3 feet above msl. Highest water level 8.89 below lsd, Feb. 6, 1950; lowest 17.45 below lsd, Oct. 9, 1952. Records available: 1949-55. Mar. 31, 15.28; Oct. 24, 16.68.

B-2-56-24dd2. Max Peterson. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 58 feet. Land-surface datum is 4,331.5 feet above msl. Highest water level 18.68 below lsd, Apr. 11, 1949; lowest 29.35 below lsd, Oct. 24, 1955. Records available: 1949-55. Mar. 31, 27.22; Oct. 24, 29.35.

B-2-57-6dc1. W. E. Moore. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 96 feet. Highest water level 20.40 below lsdm Apr. 13, 1948; lowest 34.41 below lsd, Oct. 13, 1954. Records available: 1947-55. Mar. 31, 30.94. Measurement discontinued.

B-2-57-29ad1. Pete Hellmuth. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 80 feet. Highest water level 42.12 below lsd, Apr. 7, 1952; lowest 62.70 below lsd, Oct. 25, 1955. Records available: 1947-55. Mar. 31, 59.14; Oct. 25, 62.70.

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 64.50 below lsd, Oct. 28, 1955. Records available: 1944-55. Mar. 31, 62.34; Oct. 28, 64.50.

B-2-60-13dd. C. A. Bresnahan. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 185 feet. Land-surface datum is 4,633.6 feet above msl. Highest water level 44.47 below lsd, Apr. 25, 1940; lowest 67.80 below lsd, Oct. 21, 1954. Records available: 1940-55. Mar. 31, 62.15; Oct. 28, 67.65.

B-2-60-26dd. R. A. Baer. Drilled irrigation water-table well in alluvium, diameter 16 to 10 inches, depth 125 feet. Land-surface datum is 4,664.2 feet above msl. Highest water level 50.32 below lsd, May 7, 1941; lowest 82.84 below lsd, Oct. 28, 1955. Records available: 1940-55. Mar. 31, 77.40; Oct. 28, 82.84.

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 38.06 below lsd, Oct. 26, 1955. Records available: 1940-51, 1953-55. Mar. 30, 34.93; Oct. 26, 38.06.

B-3-57-6dc1. City of Fort Morgan. Dug and drilled unused water-table well in alluvium, diameter 15 inches, depth 180 feet. Land-surface datum is 4,325.6 feet above msl. Highest water level 39.88 below lsd, Jan. 20-21, 1955; lowest 51.96 below lsd, Oct. 9, 1954. Records available: 1940-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	39.95	39.92	40.14	40.36	41.31	42.17	42.63	43.36	43.84	44.18	43.63	42.74
2	39.95	39.93	40.15	40.36	41.38	42.20	42.70	43.40	43.87	44.15	43.60	42.72
3	39.95	39.93	40.17	40.40	41.40	42.20	42.70	43.42	43.90	44.18	43.53	42.70
4	39.94	39.93	40.20	40.41	41.43	42.21	42.73	43.47	43.90	44.18	43.50	42.68
5	39.93	39.94	40.20	40.44	41.49	42.20	42.76	43.46	43.91	44.18	43.50	42.68
6	39.92	39.95	40.19	40.44	41.51	42.20	42.80	43.50	43.93	44.18	43.50	42.65
7	39.90	39.96	40.19	40.44	41.58	42.21	42.83	43.50	43.96	44.18	43.43	42.64
8	39.90	39.96	40.19	40.47	41.57	42.22	42.90	43.50	43.99	44.20	43.39	42.61
9	39.90	39.98	40.19	40.50	41.63	42.24	42.87	43.53	44.02	44.20	43.37	42.59
10	39.90	40.00	40.21	40.50	41.70	42.27	42.87	43.56	44.04	44.21	43.30	42.58
11	39.90	40.00	40.22	40.55	41.77	42.30	42.91	43.55	44.05	44.24	43.28	42.55
12	39.89	40.00	40.24	40.55	41.79	42.33	42.93	43.58	44.09	44.23	43.24	42.55
13	39.89	40.00	40.24	40.55	41.85	42.36	42.98	43.60	44.11	44.21	43.21	42.56
14	39.89	40.01	40.27	40.58	41.89	42.40	43.00	43.60	44.13	44.20	43.18	42.56
15	39.89	40.02	40.29	40.64	41.90	42.36	43.05	43.62	44.16	44.20	43.15	42.55
16	39.89	40.04	40.29	40.70	41.95	42.35	43.09	43.65	44.19	44.20	43.14	42.53
17	39.89	40.04	40.29	40.71	41.94	42.30	43.10	43.68	44.22	44.13	43.10	42.55
18	39.89	40.08	40.30	40.76	41.93	42.32	43.13	43.70	44.23	44.11	43.05	42.55
19	39.89	40.07	40.30	40.80	41.91	42.32	43.18	43.72	44.23	44.10	43.03	42.53
20	39.88	40.07	40.30	40.85	41.97	42.39	43.20	43.73	44.25	44.10	43.03	42.54
21	39.88	40.07	40.30	40.90	42.00	42.42	43.25	43.73	44.24	44.03	42.98	42.53
22	39.89	40.09	40.30	40.93	42.01	42.42	43.30	43.75	44.20	44.03	42.95	42.50
23	39.89	40.10	40.33	40.98	42.02	42.45	43.33	43.79	44.18	44.00	42.94	42.50
24	39.89	40.10	40.32	41.00	42.06	42.49	43.35	43.80	44.18	43.95	42.89	42.47
25	39.90	40.10	40.30	41.04	42.10	42.50	43.39	43.86	44.18	43.91	42.89	42.47
26	39.90	40.12	40.32	41.10	42.10	42.50	43.43	43.90	44.17	43.90	42.87	42.45
27	39.90	40.12	40.32	41.14	42.08	42.53	43.40	43.90	44.17	43.81	42.85	42.45
28	39.90	40.14	40.33	41.19	42.09	42.54	43.33	43.87	44.16	43.78	42.81	42.44
29	39.90		40.33	41.24	42.09	42.57	43.30	43.87	44.18	43.73	42.80	42.45
30	39.91		40.34	41.31	42.09	42.60	43.31	43.87	44.18	43.68	42.78	42.43
31	39.92		40.36		42.12		43.31	43.83		43.66		42.40

B-3-57-7cc. Fred Kembel, Sr. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 146 feet. Land-surface datum is 4,340.1 feet above msl. Highest water level 44.15 below lsd, Nov. 19, 1942; lowest 63.30 below lsd, Oct. 13, 1954. Records available: 1939-55. Apr. 12, 56.18; Oct. 25, 62.42.

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 60.90 below lsd, Oct. 27, 1955. Records available: 1940-55. Mar. 30, 59.35; Oct. 27, 60.90.

B-3-58-11bc. Alix Stark. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 145 feet. Land-surface datum is 4,366.2 feet above msl. Highest water level 51.85 below lsd, Nov. 19, 1942; lowest 65.87 below lsd, Oct. 25, 1955. Records available: 1939-55. Mar. 30, 61.97; Oct. 25, 65.87.

B-3-59-10ad1. John Salter. Drilled irrigation water-table well in alluvium, diameter 6 inches, depth 100 feet. Highest water level 25.63 below lsd, Oct. 14, 1949; lowest 36.45 below lsd, Aug. 3, 1950. Records available: 1947-55. Apr. 1, 33.96. Measurement discontinued.

B-3-60-4dc. Carl Bretheuer. Drilled irrigation water-table well in alluvium, diameter 18 inches, Land-surface datum is 5,335.3 feet above msl. Highest water level 63.10 below lsd, June 16, 1949; lowest 75.35 below lsd, Oct. 27, 1955. Records available: 1948-55. Mar. 31, 69.50; Oct. 27, 75.35.

B-3-60-13cd. Kroh Bros. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 165 feet. Land-surface datum is 4,557.7 feet above msl. Highest water level 54.93 below lsd, Apr. 30, 1947; lowest 66.15 below lsd, Oct. 11, 1954. Records available: 1946-55. Mar. 31, 63.39; Oct. 28, 65.90.

B-3-60-22cc. B. A. Holden. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 120 feet. Land-surface datum is 4,568.4 feet above msl. Highest water level 49.44 below lsd, Apr. 11, 1938; lowest 66.45 below lsd, Oct. 21, 1954. Records available: 1936-55. Mar. 31, 61.89; Oct. 28, 66.24.

B-3-60-32cba. L. W. Elstun. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 84 feet. Land-surface datum is 4,599.5 feet above msl. Highest water level 39.76 below lsd, Nov. 19, 1942; lowest 47.80 below lsd, Oct. 28, 1955. Records available: 1940-55. Mar. 31, 47.04; Oct. 28, 47.80.

B-4-55-9dcc. Rudolph & Schooley. Dug and drilled irrigation water-table well in alluvium, diameter 14 inches, depth 88 feet. Land-surface datum is 4,175.2 feet above msl. Highest water level 14.75 below lsd, Oct. 19, 1949; lowest 21.88 below lsd, Nov. 1, 1955. Records available: 1930, 1932-55. Apr. 2, 20.12; Nov. 1, 21.88.

B-4-56-23dc. Hansen Bros. Drilled unused water-table well in alluvium, diameter 18 inches, depth 98 feet. Land-surface datum is 4,209.1 feet above msl. Highest water level 17.93 below lsd, Oct. 11, 1933; lowest 23.17 below lsd, Nov. 1, 1955. Records available: 1933-35, 1941-55. Apr. 2, 22.39; Nov. 1, 23.17.

B-4-58-18dc. Angelo Covelli. Drilled water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 60 feet. Highest water level 39.23 below lsd, Oct. 12, 1949; lowest 44.73 below lsd, Oct. 28, 1955. Records available: 1949-55. Mar. 30, 43.98; Oct. 28, 44.73.

B-4-58-19bc. N. B. Crouch-Work. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 116 feet. Highest water level 47.48 below lsd, Dec. 8, 1949; lowest 56.14 below lsd, Oct. 28, 1955. Records available: 1949-55. Mar. 30, 52.74; Oct. 28, 56.14.

B-4-59-31bc1. Marion Pugh. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 210 feet. Highest water level 73.95 below lsd, July 10, 1947; lowest 88.58 below lsd, Oct. 27, 1955. Records available: 1947-55. Mar. 31, 83.30; Oct. 27, 88.58.

B-4-59-36cc1. Dr. Firest. Drilled irrigation water-table well in alluvium. Highest water level 64.94 below lsd, Nov. 3, 1947; lowest 76.30 below lsd, Oct. 26, 1955. Records available: 1947-55. Mar. 31, 72.27; Oct. 26, 76.30.

B-4-60-2aa1. Goodrich. Drilled water-table well in alluvium, diameter 8 inches, depth 18 feet. Highest water level 5.89 below lsd, June 14, 1949; lowest 9.74 below lsd, Apr. 4, 1951. Records available: 1947-55. Mar. 30, 9.70; Oct. 28, 8.98.

B-4-60-9ab1. Racchio & Bowen. Drilled irrigation water-table well in alluvium, depth 45 feet. Highest water level 6.63 below lsd, July 7, 1948; lowest 11.70 below lsd, Apr. 15, 1948. Records available: 1947-55. Mar. 30, 11.65; Oct. 28, 10.50.

B-4-60-12cc1. Barton & Burchstead. Drilled irrigation water-table well in alluvium, depth 180 feet. Highest water level 67.91 below lsd, Nov. 4, 1947; lowest 78.56 below lsd, Oct. 27, 1955. Records available: 1947-55. Mar. 30, 75.28; Oct. 27, 78.56

B-4-60-23cd1. W. W. Walker. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 212 feet. Highest water level 72.65 below lsd, Apr. 15, 1948; lowest 89.35 below lsd, Oct. 21, 1954. Records available: 1947-55. Mar. 31, 80.55; Oct. 27, 88.93.

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 85.00 below lsd, Oct. 21, 1954. Records available: 1946-50, 1953-54. Measurement discontinued.

B-5-55-35dd. John Pabst. Dug and drilled irrigation water-table well in alluvium, diameter 18 inches, depth 89 feet. Land-surface datum is 4,143.8 feet above msl. Highest water level 16.35 below lsd, Oct. 19, 1949; lowest 21.05 below lsd, Oct. 17, 1954, Nov. 1, 1955. Records available: 1935-40, 1943-55. Apr. 2, 20.07; Nov. 1, 21.05.

B-5-59-34cd1. G. Williams. Dug domestic and stock water-table well in alluvium, depth 20 feet. Highest water level 7.16 below lsd, Sept. 9, 1948; lowest 15.17 below lsd, Apr. 20, 1953. Records available: 1947-55. Mar. 30, 14.36; Oct. 28, 14.08.

Otero County

C-22-57-30cb. John Beaty. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 47 feet. Highest water level 27.60 below lsd, Mar. 18, 1953; lowest 31.47 below lsd, Dec. 16, 1954. Records available: 1953-55. Mar. 28, 30.95; Dec. 12, 31.41.

C-22-58-21bd. C. Mayer. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 56 feet. Highest water level 25.54 below lsd, Mar. 28, 1955; lowest 36.13 below lsd, Dec. 12, 1955. Records available: 1928-31, 1933-55. Mar. 28, 25.54; Dec. 12, 36.13.

C-22-59-16dcc. C. J. Stauder. Dug and drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 19.80 below lsd, Nov. 18, 1952; lowest 23.30 below lsd, Dec. 16, 1954. Records available: 1951-55. Mar. 28, 23.00; Dec. 12, 21.57.

C-22-59-17bd. W. H. Sauer. Dug irrigation water-table well in alluvium, diameter 5 feet, depth 25 feet. Highest water level 11.42 below lsd, Aug. 5, 1930; lowest 16.15 below lsd, Mar. 28, 1955. Records available: 1930, 1933-51, 1953-55. Mar. 28, 16.15; Dec. 12, 15.25.

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 22.81 below lsd, Mar. 28, 1955. Records available: 1929-31, 1933-55. Mar. 28, 22.81.

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 27.02 below lsd, Mar. 30, 1955. Records available: 1938-55. Mar. 30, 27.02; Dec. 12, 26.95.

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 25.38 below lsd, Mar. 28, 1955. Records available: 1934, 1937-55. Mar. 28, 25.38; Dec. 12, 23.64.

C-22-59-29cbb. M. Madson. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 20 feet. Highest water level 9.40 below lsd, Nov. 11, 1942; lowest 15.24 below lsd, Mar. 28, 1955. Records available: 1929-31, 1933-55. Mar. 28, 15.24; Dec. 12, 15.11.

C-23-54-21cb. Wunch Bros. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 50 feet. Highest water level 32.23 below lsd, Nov. 14, 1951; lowest 41.76 below lsd, Mar. 29, 1955. Records available: 1951, 1953-55. Mar. 29, 41.76; Dec. 13, 41.40.

C-23-54-22ba. Henry Wunch. Drilled irrigation water-table well in alluvium, diameter 24 inches, Highest water level 25.27 below lsd, Nov. 19, 1952; lowest 32.85 below lsd, Dec. 17, 1954. Records available: 1952, 1954-55. Mar. 29, 31.89.

C-23-54-27bd1. Chas. E. Sabin. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 49 feet. Highest water level 14.00 below lsd, Dec. 17, 1954; lowest 15.91 below lsd, Dec. 13, 1955. Records available: 1951, 1953-55. Dec. 13, 15.91.

C-23-54-29db. August Haupt. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 52 feet. Highest water level 23.66 below lsd, Apr. 11, 1952; lowest 29.53 below lsd, Dec. 13, 1955. Records available: 1952-55. Mar. 29, 29.00; Dec. 13, 29.53.

C-23-55-36bc. Fred Wunch. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 40 feet. Highest water level 17.36 below lsd, Nov. 14, 1951; lowest 21.25 below lsd, Dec. 17, 1954. Records available: 1951-55. Dec. 13, 21.21.

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

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 15.30 below lsd, Dec. 13, 1955. Records available: 1944-55. Mar. 28, 14.31; Dec. 13, 15.30.

C-23-57-32bdb. J. C. Vroman. Drilled irrigation water-table well in alluvium. Highest water level 9.86 below lsd, Mar. 18, 1953; lowest 15.71 below lsd, Dec. 16, 1954. Records available: 1944-55. Mar. 28, 13.54; Dec. 13, 14.04.

Phillips County

B-6-43-36ddd. U. S. Geol. Survey. Drilled water-table well in Ogallala formation, diameter 1¼ inches, depth 37 feet. Land-surface datum is 3,589.0 feet above msl. Highest water level 14.32 below lsd, Aug. 14, 1952; lowest 16.96 below lsd, Nov. 14, 1955. Records available: 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 14, 1952	14.32	Jan. 27, 1953	15.19	July 29, 1953	15.41	Jan. 28, 1954	15.81
27	14.45	Feb. 26	15.13	Aug. 31	15.43	Apr. 18	15.82
Sept. 26	14.67	Mar. 31	15.24	Sept. 23	15.51	Jan. 11, 1955	16.48
Oct. 31	14.79	Apr. 24	15.25	Oct. 23	15.65	Mar. 22	16.57
Nov. 24	14.89	May 22	15.29	Nov. 23	15.63	Nov. 14	16.96
Dec. 19	14.98	June 23	15.25				

B-7-42-17ddd. Barney Dutton. Drilled stock water-table well in Ogallala formation, diameter 6 inches, depth 97 feet. Land-surface datum is 3,578.2 feet above msl. Highest water level 65.30 below lsd, Sept. 28, 1953; lowest 67.67 below lsd, Nov. 15, 1955. Records available: 1952-55.

Aug. 14, 1952	65.96	Jan. 27, 1953	65.63	June 18, 1953	65.48	Nov. 23, 1953	65.38
27	65.69	Feb. 26	65.58	July 24	65.44	Jan. 28, 1954	65.42
Sept. 26	65.67	Mar. 27	65.48	Aug. 21	65.42	Jan. 11, 1955	67.08
Oct. 3	65.63	Apr. 23	65.44	Sept. 28	65.30	Mar. 22	67.03
Nov. 24	65.55	May 21	65.48	Oct. 23	65.44	Nov. 15	67.67
Dec. 19	65.58						

B-7-43-9bcc. Owner unknown. Drilled domestic water-table well in Ogallala formation, diameter 5 inches, depth 103 feet. Land-surface datum is 3,663.1 feet above msl. Highest water level 94.25 below lsd, Jan. 13, 1955; lowest 95.37 below lsd, Nov. 2, 1950. Records available: 1950-55.

Oct. 5, 1950	95.09	Oct. 18, 1951	95.04	Sept. 26, 1952	94.54	July 24, 1953	94.65
Nov. 2	95.37	Dec. 26	94.50	Oct. 31	95.06	Aug. 21	94.75
Dec. 4	95.07	Jan. 22, 1952	94.95	Nov. 27	95.03	Sept. 28	94.60
Jan. 9, 1951	94.98	Feb. 23	94.80	Dec. 19	94.82	Oct. 27	94.68
Feb. 14	95.31	Mar. 29	94.80	Jan. 27, 1953	94.98	Jan. 28, 1954	94.45
Mar. 12	95.15	Apr. 30	94.75	Feb. 26	94.39	Apr. 20	94.47
Apr. 19	95.05	May 27	94.64	Mar. 30	94.74	Jan. 13, 1955	94.25
May 22	95.12	July 2	94.77	Apr. 23	94.70	Mar. 24	94.26
June 11	94.97	28	94.84	May 21	94.78	Nov. 16	94.42
Aug. 6	95.04	Aug. 25	94.67	June 25	94.92		

B-7-43-35abb. Harold Gerhardt. Drilled irrigation water-table well in Ogallala formation, diameter 18 inches, depth 200 feet. Land-surface datum is 3,599.5 feet above msl. Highest water level 38.40 below lsd, Apr. 30, 1952; lowest 40.78 below lsd, Nov. 2, 1950. Records available: 1950-55.

Sept. 28, 1950	39.92	Aug. 16, 1951	39.47	Nov. 24, 1952	38.81	Aug. 21, 1953	39.50
Nov. 2	40.78	Oct. 18	39.16	Dec. 19	38.69	Sept. 28	38.96
Dec. 4	39.73	Mar. 29, 1952	38.86	Jan. 27, 1953	38.75	Oct. 27	38.89
Jan. 9, 1951	39.70	Apr. 30	38.40	Mar. 30	38.59	Jan. 28, 1954	38.52
Feb. 14	39.92	May 27	38.81	Apr. 23	38.59	Apr. 20	38.82
Mar. 12	39.81	July 28	40.00	May 21	38.65	Jan. 11, 1955	38.58
Apr. 19	40.20	Aug. 25	39.69	June 25	39.44	Mar. 22	38.53
May 22	39.84	Sept. 26	38.89	July 24	39.60	Nov. 14	38.75
June 11	39.63	Oct. 31	39.57				

B-7-44-20cbc. Owner unknown. Drilled stock water-table well in Ogallala formation, diameter 4 inches, depth 143 feet. Land-surface datum is 3,736.9 feet above msl. Highest water level 119.89 below lsd, Jan. 13, 1955; lowest 122.00 below lsd, Oct. 2, 1950. Records available: 1950-55.

Oct. 2, 1950	122.00	Oct. 18, 1951	121.60	Nov. 26, 1952	120.97	Aug. 21, 1953	120.43
Nov. 1	121.85	Dec. 26	121.56	Dec. 20	120.84	Sept. 28	120.38
Dec. 4	121.55	Jan. 22, 1952	121.04	Jan. 14, 1953	120.73	Oct. 27	120.49
Jan. 9, 1951	121.51	Feb. 23	121.10	Feb. 24	120.71	Nov. 23	120.32
Feb. 14	121.88	May 27	120.94	Mar. 25	120.74	Jan. 28, 1954	120.29
Mar. 12	121.44	June 30	120.96	Apr. 23	120.57	Apr. 20	120.24
Apr. 19	121.34	July 28	121.15	May 21	120.70	Jan. 13, 1955	119.89
May 22	121.44	Aug. 25	120.90	June 23	120.55	Mar. 24	119.90
June 11	121.32	Sept. 26	120.90	July 29	120.63	Nov. 16	120.10
Aug. 16	121.24	Oct. 31	121.20				

B-9-42-32ccd. U. S. Geol. Survey. Drilled observation water-table well in Ogallala formation, diameter $1\frac{1}{4}$ inches, depth 171 feet. Land-surface datum is 3,592.0 feet above msl. Highest water level 126.17 below lsd, Nov. 15, 1955; lowest 127.48 below lsd, Aug. 12, 1952. Records available: 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 12, 1952	127.48	Jan. 27, 1953	127.33	June 25, 1953	127.15	Nov. 23,1953	126.48
27	127.34	Feb. 26	126.92	July 29	126.98	Jan. 28,1954	126.60
Sept. 25	127.38	Mar. 30	126.94	Aug. 25	126.78	Apr. 20	126.53
Oct. 31	127.29	Apr. 23	126.76	Sept. 28	126.52	Mar. 23,1955	126.22
Nov. 28	127.23	May 21	126.96	Oct. 27	126.74	Nov. 15	126.17
Dec. 19	127.12						

Pitkin County

C-8-88-27bc. R. O. Sewell. Dug domestic water-table well in alluvium, depth 32 feet. Highest water level 8.08 below lsd, June 6, 1955; lowest dry many times, 1950-55. Records available: 1942-55.

Jan. 6	(f)	Apr. 6	30.59	Aug. 16	22.63	Nov. 8	28.49
Feb. 11	31.57	June 6	8.08	Sept. 12	29.88	Dec. 7	31.69
Mar. 15	30.79	July 11	14.01	Oct. 18	31.37		

f Dry.

Pueblo County

C-20-63-33aa. F. Van Galder. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 45 feet. Highest water level 18.54 below lsd, Mar. 17, 1953; lowest 20.55 below lsd, Dec. 16, 1954. Records available: 1951-55. Mar. 28, 19.99; Dec. 12, 20.04.

C-20-63-36ca. Henry and Louis Circuli. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 50 feet. Highest water level 19.07 below lsd, Nov. 10, 1953; lowest 20.35 below lsd, Dec. 16, 1954. Records available: 1953-55. Dec. 12, 19.54.

C-21-61-8aa. J. A. Werme. Drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 17.33 below lsd, Mar. 10, 1955; lowest 20.05 below lsd, Dec. 16, 1954. Records available: 1954-55. Mar. 28, 17.33; Dec. 12, 18.59.

C-21-61-23bbb2. A. Grandbush. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 40 feet. Highest water level 14.65 below lsd, Mar. 30, 1948; lowest 19.54 below lsd, Oct. 18, 1934. Records available: 1929-49, 1951-55. Mar. 28, 16.05; Dec. 12, 16.32.

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, 1935-55. Mar. 28, 11.74; Dec. 12, 11.45.

C-21-62-3bb. J. A. Werme. Drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 8.10 below lsd, Mar. 17, 1953; lowest 9.01 below lsd, Dec. 16, 1954. Records available: 1952-55. Mar. 28, 8.14; Dec. 12, 8.66.

C-21-62-9cd2. Bert Potestio. Drilled irrigation water-table well in alluvium. Highest water level 13.98 below lsd, Nov. 6, 1947; lowest 19.48 below lsd, Dec. 17, 1954. Records available: 1946-55. Dec. 13, 18.57.

C-21-63-3da. F. R. Allen. Drilled irrigation water-table well in alluvium, diameter 36 inches, depth 26 feet. Highest water level 16.63 below lsd, Nov. 11, 1953; lowest 19.54 below lsd, Dec. 17, 1954. Records available: 1953-55. Dec. 13, 17.75.

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 35.35 below lsd, Mar. 30, 1955. Records available: 1931, 1941-55. Mar. 30, 35.35; Dec. 13, 33.66.

C-21-63-9dc. Chas. V. Pullora. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 48 feet. Highest water level 25.95 below lsd, Apr. 11, 1952; lowest 30.30 below lsd, Dec. 17, 1954. Records available: 1952-55. Mar. 30, 29.42; Dec. 13, 26.75.

C-21-63-11cdc. C. A. Wilcox. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 35 feet. Highest water level 16.94 below lsd, Nov. 2, 1944; lowest 25.16 below lsd, Dec. 17, 1954. Records available: 1944-55. Dec. 13, 22.98.

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: 1934-55. Dec. 13, 19.36.

C-21-64-10bbc. Tony Morrello. Dug and drilled irrigation water-table well in alluvium, diameter 12 inches. Highest water level 8.87 below lsd, Nov. 2, 1944; lowest 14.28 below lsd, Dec. 17, 1954. Records available: 1941-55. Dec. 13, 14.12.

C-22-60-13bc. C. J. Sindig. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 39 feet. Highest water level 32.38 below lsd, Nov. 19, 1952; lowest 36.15 below lsd, Mar. 30, 1955. Records available: 1952-55. Mar. 30, 36.15; Dec. 12, 35.92.

Sedgwick County

B-10-42-8ccd. Tom Henrichs. Drilled domestic and stock water-table well in Ogallala formation, diameter 5 inches, depth 236 feet. Land-surface datum is 3,643.8 feet above msl. Highest water level 217.36 below lsd, Nov. 15, 1955; lowest 224.48 below lsd, July 31, 1952. Records available: 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 31, 1952	224.48	Feb. 26, 1953	221.87	July 29, 1953	218.68	Jan. 28,1954	217.80
Aug. 27	218.10	Mar. 30	222.50	Aug. 25	218.60	Apr. 20	217.65
Oct. 31	219.64	Apr. 23	217.75	Sept. 28	217.90	Jan. 12,1955	217.90
Nov. 28	220.80	May 21	217.73	Oct. 27	217.97	Mar. 23	217.54
Dec. 19	221.05	June 25	218.11	Nov. 23	217.45	Nov. 15	217.36
Jan. 27, 1953	220.92						

B-10-42-32ccd. U. S. Geol. Survey. Drilled observation water-table well in Ogallala formation, diameter 1½ inches, depth 207 feet. Land-surface datum is 3,612.0 feet above msl. Highest water level 179.24 below lsd, Nov. 15, 1955; lowest 180.83 below lsd, Aug. 27, 1952. Records available: 1952-55.

July 31, 1952	180.33	Jan. 27, 1953	180.14	July 29, 1953	180.14	Jan. 28,1954	179.89
Aug. 27	180.83	Feb. 26	179.74	Aug. 25	180.02	Apr. 20	179.75
Sept. 25	180.41	Mar. 30	179.90	Sept. 28	179.86	Jan. 12,1955	179.73
Oct. 31	180.27	Apr. 23	179.81	Oct. 27	180.09	Mar. 23	179.44
Nov. 28	180.25	May 21	179.80	Nov. 23	179.54	Nov. 15	179.24
Dec. 19	180.09	June 25	180.15				

B-11-45-5ba. F. J. Hilderman. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 52 feet. Highest water level 11.23 below lsd, Oct. 7, 1949; lowest 17.66 below lsd, Oct. 31, 1955. Records available: 1947-55. Apr. 5, 16.86; Oct. 31, 17.66.

B-11-46-18db. W. R. Bennison. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 67 feet. Highest water level 5.61 below lsd, Feb. 10, 1949; lowest 8.52 below lsd, Oct. 17, 1954. Records available: 1947-55. Apr. 5, 8.16; Oct. 31, 8.04.

B-11-47-28bb. W. C. Davidson. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 52 feet. Highest water level 2.51 below lsd, June 24, 1948; lowest 5.61 below lsd, Oct. 17, 1954. Records available: 1948-55. Apr. 5, 4.49; Oct. 31, 4.65.

B-12-44-27bc1. Sedgwick County. Drilled stock water-table well in alluvium, diameter 24 inches, depth 30 feet. Highest water level 2.66 below lsd, June 8, 1949; lowest 5.62 below lsd, Oct. 17, 1954. Records available: 1947-55. Apr. 5, 3.90.

B-12-44-31ba1. C. B. McCampbell. Dug irrigation water-table well in alluvium, diameter 18 inches, depth 58 feet. Highest water level 20.59 below lsd, Oct. 6, 1949; lowest 27.95 below lsd, Oct. 31, 1955. Records available: 1947-55. Apr. 5, 27.10; Oct. 31, 27.95.

Washington County

B-3-49-16ddd. Carl Gailus. Drilled stock water-table well in Ogallala formation, diameter 5 inches, depth 245 feet. Land-surface datum is 4,210.2 feet above msl. Highest water level 228.45 below lsd, Nov. 14, 1955; lowest 230.40 below lsd, May 29, 1953. Records available: 1952-55.

Oct. 9, 1952	229.70	Jan. 27, 1953	229.76	May 29, 1953	230.40	Jan. 27,1954	229.55
Nov. 24	229.45	Mar. 9	229.52	June 29	229.05	Jan. 13,1955	228.75
Dec. 19	229.50	25	229.56	Oct. 16	229.18	Mar. 22	228.72
Jan. 19, 1953	229.56	Apr. 27	229.45	Nov. 25	229.47	Nov. 14	228.45

B-5-54-2bd1. E. Repp. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 100 feet. Highest water level 10.15 below lsd, July 12, 1948; lowest 21.00 below lsd, Nov. 1, 1955. Records available: 1947-55. Apr. 2, 17.12; Nov. 1, 21.00.

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

B-5-54-21ca1. C. Dailey. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 82 feet. Highest water level 10.36 below lsd, June 6, 1949; lowest 16.35 below lsd, Apr. 2, 1955. Records available: 1947-55. Apr. 2, 16.35; Nov. 1, 15.85.

B-5-54-30cb1. Morgan Investment Co. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 88 feet. Highest water level 14.55 below lsd, Oct. 14, 1949; lowest 21.15 below lsd, Oct. 14, 1954. Records available: 1947-55. Nov. 1, 20.40.

C-1-55-21bd1. A. Blake. Drilled irrigation water-table well in alluvium, depth 41 feet. Highest water level 11.83 below lsd, Dec. 9, 1947; lowest 15.50 below lsd, Oct. 12, 1954. Records available: 1947-55. Apr. 12, 15.37; Oct. 24, 14.94.

Weld County

B-1-61-5dc. Chas. Hlad. Drilled irrigation water-table well in alluvium, diameter 30 inches, depth 55 feet. Highest water level 15.53 below lsd, June 9, 1953; lowest 19.35 below lsd, Nov. 10, 1955. Records available: 1953, 1955. Apr. 6, 17.91; Nov. 10, 19.35.

B-1-62-13ad1. C. M. Roark. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 76 feet. Highest water level 18.29 below lsd, Oct. 16, 1952; lowest 23.44 below lsd, Oct. 18, 1954. Records available: 1947-55. Mar. 31, 22.14; Oct. 26, 23.15.

B-1-63-2ccc. D. Trupp. Drilled unused water-table well in alluvium, diameter 20 inches, depth 96 feet. Highest water level 51.70 below lsd, May 1, 1950; lowest 74.11 below lsd, Oct. 3, 1954. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	72.48	Mar. 17	71.01	Apr. 8	70.54	Apr. 24	70.76
Mar. 2	71.32	18	71.01	9	70.53	25	70.84
3	71.30	19	70.98	10	70.51	26	70.96
4	71.28	20	70.97	11	70.47	27	71.02
5	71.28	21	70.95	12	70.47	28	71.08
6	71.28	22	70.92	13	70.44	29	71.14
7	71.23	23	70.90	14	70.42	30	71.17
8	71.22	24	70.88	15	70.40	May 1	71.18
9	71.19	25	70.86	16	70.39	2	71.21
10	71.16	26	70.85	17	70.37	3	71.26
11	71.15	27	70.83	18	70.34	4	71.32
12	71.13	28	70.80	19	70.40	5	71.40
13	71.11	29	70.78	20	70.46	10	71.70
14	71.09	30	70.76	21	70.51	11	71.73
15	71.08	Apr. 6	70.59	22	70.60	June 29	72.85
16	71.06	7	70.57	23	70.69	Aug. 18	74.80

B-1-63-3cc. John Baumgardner. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 122 feet. Land-surface datum is 4,843.3 feet above msl. Highest water level 43.97 below lsd, Feb. 1, 1950; lowest 73.32 below lsd, Oct. 26, 1955. Records available: 1942-55. Apr. 1, 63.92; Oct. 26, 73.32.

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 74.25 below lsd, Oct. 26, 1955. Records available: 1942-55. Apr. 1, 64.80; Oct. 26, 74.25.

B-1-63-22ddc. J. J. Suppes. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 176 feet. Land-surface datum is 4,924.2 feet above msl. Highest water level 75.41 below lsd, June 4, 1948; lowest 99.10 below lsd, Oct. 18, 1954. Records available: 1940-55. Apr. 1, 94.49.

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, June 16, 1949; lowest 107.20 below lsd, Oct. 26, 1955. Records available: 1942-55. Apr. 1, 101.20; Oct. 26, 107.20.

B-1-63-28abb. Hudson Gardens Co. Drilled unused water-table well in alluvium, diameter 12 inches. Land-surface datum is 4,926.8 feet above msl. Highest water level 67.19 below lsd, June 4, 1948; lowest 84.81 below lsd, Apr. 25, 1944. Records available: 1942-55. Apr. 1, 83.28; Oct. 26, 78.97.

B-1-65-4bb1. Paul Dawkins. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 62 feet. Highest water level 19.62 below lsd, Nov. 18, 1953; lowest 26.16 below lsd, Nov. 9, 1955. Records available: 1953-55. Apr. 5, 21.68; Nov. 9, 26.16.

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 25.79 below lsd, Nov. 9, 1955. Records available: 1940-55. Apr. 5, 24.33; Nov. 9, 25.79.

B-1-65-25cd. Fred Haffner, Sr. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 69 feet. Highest water level 30.29 below lsd, Apr. 12, 1950; lowest 40.40 below lsd, Nov. 11, 1954. Records available: 1940-55. Apr. 5, 39.48; Nov. 9, 39.72.

B-1-66-7dd. W. A. Wallace. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 65 feet. Highest water level 14.33 below lsd, Nov. 3, 1944; lowest 22.00 below lsd, Apr. 23, 1946. Records available: 1937-53. Measurement discontinued.

B-1-66-30ad. G. J. Mancini. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 31 feet. Highest water level 10.29 below lsd, Oct. 12, 1933; lowest 17.93 below lsd, Apr. 16, 1952. Records available: 1929-55. Apr. 5, 17.59; Nov. 8, 15.11.

B-1-66-31dcd. Carl Caranci. Dug irrigation water-table well in alluvium, diameter 10 feet, depth 36 feet. Highest water level 14.90 below lsd, Sept. 6, 1929; lowest 21.05 below lsd, Nov. 8, 1955. Records available: 1929-55. Apr. 5, 19.95; Nov. 8, 21.05.

B-2-62-6cb1. Oliver Warden. Drilled irrigation water-table well in alluvium, diameter 6 inches, depth 72 feet. Highest water level 10.48 below lsd, Dec. 9, 1949, May 23, 1950; lowest 15.03 below lsd, Oct. 18, 1954. Records available: 1947-55. Apr. 1, 14.22; Oct. 26, 14.36.

B-2-62-18cbc. Mrs. Sadie Knox. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 78 feet. Highest water level 17.90 below lsd, Apr. 23, 1936; lowest 30.70 below lsd, Oct. 18, 1954. Records available: 1936-43, 1945-55. Apr. 1, 30.06; Oct. 26, 30.65.

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 50.72 below lsd, Oct. 26, 1955. Records available: 1947-55. Apr. 1, 41.04; Oct. 26, 50.72.

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 29.55 below lsd, Oct. 26, 1955. Records available: 1941-55. Apr. 1, 27.16; Oct. 26, 29.55.

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 52.42 below lsd, Oct. 26, 1955. Records available: 1942-55. Apr. 1, 41.94; Oct. 26, 52.42.

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 61.72 below lsd, Oct. 26, 1955. Records available: 1944-55. Apr. 1, 54.47; Oct. 26, 61.72.

B-2-63-28ddd. C. V. Maddux. Drilled irrigation water-table well in alluvium, diameter 48 to 40 inches, depth 97 feet. Land-surface datum is 4,800.4 feet above msl. Highest water level 33.68 below lsd, Feb. 1, Apr. 5, 1950; lowest 62.37 below lsd, Oct. 26, 1955. Records available: 1942-55. Apr. 1, 50.79; Oct. 26, 62.37.

B-2-63-32aa. Tony Batelli. Drilled irrigation water-table well in alluvium, diameter 36 inches, depth 41 feet. Land-surface datum is 4,802.4 feet above msl. Highest water level 22.71 below lsd, Apr. 25, 1934; lowest 37.43 below lsd, Apr. 16, 1942. Records available: 1934-55. Apr. 1, 34.77; Oct. 26, 36.38.

B-2-63-34ccc. R. L. Martin. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 105 feet. Land-surface datum is 4,830.3 feet above msl. Highest water level 41.95 below lsd, Oct. 26, 1939; lowest 77.66 below lsd, Oct. 26, 1955. Records available: 1938-55. Apr. 1, 68.84; Oct. 26, 77.66.

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 60.65 below lsd, Oct. 26, 1955. Records available: 1934-55. Apr. 1, 54.79; Oct. 26, 60.65.

B-2-63-36bcb. Martin Scheid. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth 76 feet. Land-surface datum is 4,797.4 feet above msl. Highest water level 41.27 below lsd, Apr. 29, 1937; lowest 58.85 below lsd, Oct. 18, 1954. Records available: 1937-55. Apr. 1, 54.30; Oct. 26, 57.65.

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 13.38 below lsd, Nov. 9, 1955. Records available: 1940-55. Apr. 5, 12.23; Nov. 9, 13.38.

B-2-65-16bc. Herman Thomason. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 81 feet. Highest water level 35.01 below lsd, Nov. 18, 1953; lowest 43.12 below lsd, Nov. 9, 1955. Records available: 1953-55. Apr. 5, 37.24; Nov. 9, 43.12.

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: 1929-55. Apr. 4, 13.92; Nov. 8, 10.96.

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: 1929-55. Apr. 4, 15.10; Nov. 8, 13.39.

B-2-66-29cc. S. J. Rhode. Dug irrigation water-table well in alluvium, diameter 8 feet. Highest water level 14.95 below lsd, Dec. 10, 1938; lowest 21.20 below lsd, May 8, 1941. Records available: 1935-55. Apr. 4, 20.95; Nov. 8, 19.46.

B-3-64-17cc. E. D. Seldin. Drilled irrigation water-table well in alluvium, diameter 30 inches, depth 60 feet. Highest water level 5.20 below lsd, Apr. 23, 1948; lowest 14.86 below lsd, Nov. 9, 1955. Records available: 1940-55. Apr. 5, 12.55; Nov. 9, 14.86.

B-3-64-30ccc. Mrs. Maud C. Hanson. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 57 feet. Highest water level 4.28 below lsd, May 28, 1944; lowest 11.86 below lsd, Nov. 9, 1955. Records available: 1940-55. Apr. 5, 9.88; Nov. 9, 11.86.

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 20.51 below lsd, Apr. 4, 1955. Records available: 1947-55. Apr. 4, 20.51; Nov. 8, 18.12.

B-4-61-28bb1. K. Mori. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 100 feet. Highest water level 21.60 below lsd, Oct. 9, 1947; lowest 33.55 below lsd, Apr. 7, 1954. Records available: 1947-55. Mar. 29, 31.25; Oct. 28, 26.20.

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 16.87 below lsd, Nov. 8, 1955. Records available: 1949-55. Apr. 4, 13.78; Nov. 8, 16.87.

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 19.93 below lsd, Nov. 8, 1955. Records available: 1940-55. Apr. 4, 14.94; Nov. 8, 19.93.

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 24.70 below lsd, Nov. 8, 1955. Records available: 1940-55. Apr. 4, 20.98; Nov. 8, 24.70.

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 19.34 below lsd, Apr. 4, 1955. Records available: 1949-55. Apr. 4, 19.34; Nov. 8, 17.53.

B-4-65-18daa. Root Bros. Dug irrigation water-table well in alluvium, diameter 10 feet, depth 23 feet. Highest water level 4.06 below lsd, May 12, 1942; lowest 17.48 below lsd, Apr. 4, 1955. Records available: 1929-55. Apr. 4, 17.48; Nov. 8, 17.00.

B-4-66-9cdc. E. S. Linden. Drilled irrigation water-table well in alluvium, diameter 18 inches. Highest water level 17.40 below lsd, Oct. 27, 1947; lowest 30.80 below lsd, Nov. 10, 1954. Records available: 1945-55. Apr. 4, 29.82; Nov. 8, 27.20.

B-4-66-13dd2. Paul Jewel. Drilled irrigation water-table well in alluvium, diameter 18 inches. Highest water level 16.00 below lsd, Dec. 5, 1951; lowest 25.37 below lsd, Nov. 10, 1954. Records available: 1951-55. Apr. 4, 24.93; Nov. 8, 25.29.

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 35.44 below lsd, Apr. 4, 1955. Records available: 1939-55. Apr. 4, 35.44; Nov. 8, 31.43.

B-4-66-15ddd. M. L. Winslow. Drilled unused water-table well in alluvium, diameter 10 to 4 inches, depth 51 feet. Highest water level 3.14 below lsd, Oct. 27, 1947; lowest 19.95 below lsd, Apr. 4, 1955. Records available: 1941-55. Apr. 4, 19.95; Nov. 8, 17.47.

B-4-66-17bcc. R. O. Larsen. Drilled irrigation water-table well in alluvium, diameter 24 inches. Highest water level 4.70 below lsd, May 12, 1942; lowest 8.01 below lsd, Apr. 11, 1950. Records available: 1942-55. Apr. 4, 7.24; Nov. 8, 7.26.

B-4-66-19ddd2. J. C. Breckon. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 62 feet. Highest water level 17.43 below lsd, Nov. 5, 1952; lowest 26.04 below lsd, Apr. 4, 1955. Records available: 1950-55. Apr. 4, 26.04; Nov. 8, 25.02.

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 15.34 below lsd, Apr. 4, 1955. Records available: 1942-53, 1955. Apr. 4, 15.34; Nov. 8, 7.79.

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 31.17 below lsd, Nov. 8, 1955. Records available: 1941-55. Apr. 4, 31.13; Nov. 8, 31.17.

B-4-66-31dcc. W. D. Farr. Dug and drilled irrigation water-table well in alluvium, diameter 4 feet, depth 54 feet. Highest water level 13.40 below lsd, Oct. 27, 1947; lowest 26.59 below lsd, Nov. 8, 1955. Records available: 1942-55. Apr. 4, 26.15; Nov. 8, 26.59.

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: 1941-55. Apr. 4, 8.40; Nov. 8, 5.53.

B-5-64-36dcc. W. F. Rothe. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 72 feet. Highest water level 6.34 below lsd, Nov. 5, 1952; lowest 16.57 below lsd, Nov. 8, 1955. Records available: 1952-55. Apr. 4, 14.57; Nov. 8, 16.57.

B-5-65-26bcc. George Alles, Sr. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 45 feet. Highest water level 3.82 below lsd, July 10, 1929; lowest 11.36 below lsd, Apr. 4, 1955. Records available: 1928-55. Apr. 4, 11.36; Nov. 8, 8.73.

B-5-65-27ccb. Henry A. Alles. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 50 feet. Highest water level 8.50 below lsd, Aug. 12, 1941; lowest 15.12 below lsd, Apr. 4, 1955. Records available: 1941-55. Apr. 4, 15.12; Nov. 8, 12.32.

B-6-63-29bbb. H. L. Wells. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 37 feet. Highest water level 7.19 below lsd, Aug. 11, 1932; lowest 22.72 below lsd, Nov. 22, 1955. Records available: 1932-55. Apr. 8, 20.58; Nov. 22, 22.72.

B-6-64-24aaa. M. R. Leaver. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 6.30 below lsd, Sept. 1, 1933; lowest 13.57 below lsd, Apr. 8, 1955. Records available: 1932-55. Apr. 8, 13.57; Nov. 22, 10.85.

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 24.47 below lsd, Nov. 22, 1955. Records available: 1949-55. Apr. 8, 21.28; Nov. 22, 24.47.

B-6-64-26da. Asa Jones. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 29 feet. Highest water level 7.84 below lsd, Nov. 30, 1951; lowest 11.60 below lsd, Nov. 22, 1954. Records available: 1938-55. Apr. 8, 11.25; Nov. 22, 11.44.

B-6-64-32bab. Charles Moore. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 60 feet. Highest water level 22.88 below lsd, Nov. 2, 1945; lowest 32.72 below lsd, Nov. 22, 1954. Records available: 1941-55. Apr. 8, 29.40; Nov. 22, 32.70.

B-6-65-3bb. T. H. Wilson. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 32 feet. Highest water level 7.20 below lsd, May 5, 1944; lowest 13.15 below lsd, Nov. 22, 1955. Records available: 1940-55. Apr. 8, 11.06; Nov. 22, 13.15.

B-6-65-10bbb. L. C. Roberts. Dug and drilled irrigation water-table well in alluvium, diameter 4 feet, depth 35 feet. Highest water level 4.77 below lsd, June 9, 1929; lowest 13.73 below lsd, Apr. 24, 1941. Records available: 1929-45, 1947-55. Apr. 8, 11.74; Nov. 22, 13.55.

B-6-65-13cd. Chas. Takahashi. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 30 feet. Highest water level 13.03 below lsd, Nov. 25, 1953; lowest 15.59 below lsd, Apr. 8, 1955. Records available: 1953-55. Apr. 8, 15.59; Nov. 22, 14.10.

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, 1947-55. Apr. 8, 14.06; Nov. 22, 16.32.

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 41.16 below lsd, Nov. 22, 1955. Records available: 1932-55. Apr. 8, 34.57; Nov. 22, 41.16.

B-6-65-18bbb. James Milne. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 51 feet. Highest water level 24.15 below lsd, Nov. 2, 1945; lowest 39.70 below lsd, Nov. 22, 1955. Records available: 1938-55. Apr. 8, 36.78; Nov. 22, 39.70.

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 18.81 below lsd, Apr. 8, 1955. Records available: 1941-55. Apr. 8, 18.81; Nov. 22, 18.35.

B-6-66-1bab2. Gust Johnson. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 54 feet. Highest water level 29.65 below lsd, Apr. 22, 1953; lowest 39.45 below lsd, Nov. 22, 1955. Records available: 1952-55. Apr. 8, 34.98; Nov. 22, 39.45.

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: 1941-55. Apr. 8, 16.95; Nov. 22, 15.70.

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 12.13 below lsd, Nov. 22, 1955. Records available: 1941-55. Apr. 8, 9.79; Nov. 22, 12.13.

B-6-67-17dc. Henry Kraus. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 15 feet. Highest water level 3.90 below lsd, Aug. 7, 1929; lowest 9.40 below lsd, May 8, 1935. Records available: 1928-30, 1932, 1934-35, 1941-55. Apr. 8, 8.50; Nov. 22, 8.23.

B-6-67-23bb1. Henry Stromberger. Drilled water-table well in alluvium, diameter 6 inches, depth 18 feet. Highest water level 4.68 below lsd, Nov. 30, 1951; lowest 8.55 below lsd, Nov. 22, 1955. Records available: 1951-55. Apr. 8, 6.90; Nov. 22, 8.55.

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 44.83 below lsd, Nov. 22, 1955. Records available: 1939-45, 1947-55. Apr. 8, 39.10; Nov. 22, 44.83.

B-7-65-10bcb. M. H. Graham. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 34 feet. Highest water level 4.95 below lsd, Apr. 25, 1929; lowest 20.00 below lsd, Nov. 22, 1955. Records available: 1929-45, 1947-55. Apr. 8, 16.13; Nov. 22, 20.00.

B-7-65-16bbb. K. Akahoshi. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 4.64 below lsd, Nov. 30, 1951; lowest 7.42 below lsd, Apr. 29, 1946. Records available: 1942-48, 1950-55. Apr. 8, 6.11; Nov. 22, 5.90.

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 39.64 below lsd, Nov. 22, 1955. Records available: 1929-32, 1935, 1942-48, 1950-55. Apr. 8, 32.36; Nov. 22, 39.64.

B-7-65-21aaa. H. G. Liebhardt. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 5.80 below lsd, May 5, 1944; lowest 9.16 below lsd, Apr. 24, 1941. Records available: 1941-45, 1947-55. Apr. 8, 7.61; Nov. 22, 9.03.

B-7-65-28aa. R. F. Blandon. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 13.67 below lsd, Sept. 17, 1930; lowest 18.58 below lsd, Dec. 23, 1940. Records available: 1929-45, 1947-55. Apr. 8, 15.78; Nov. 22, 18.39.

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 31.18 below lsd, Nov. 22, 1955. Records available: 1942-48, 1950-55. Apr. 8, 25.82; Nov. 22, 31.18.

B-7-66-1ab. C. A. Pettibone. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 27 feet. Highest water level 7.86 below lsd, Sept. 20, 1929; lowest 20.69 below lsd, Apr. 24, 1941. Records available: 1929-45, 1947-55. Apr. 8, 18.18; Nov. 22, 17.01.

B-7-66-2abb. L. Fletcher. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 44 feet. Highest water level 21.00 below lsd, Sept. 20, 1929; lowest 33.00 below lsd, Apr. 24, 1941. Records available: 1929-45, 1947-55. Apr. 8, 29.94; Nov. 22, 29.80.

B-7-66-14aba. Fred Hoffner. Dug irrigation water-table well in alluvium, diameter 12 feet, depth 39 feet. Highest water level 8.00 below lsd, Sept. 11, 1929; lowest 25.17 below lsd, Apr. 18, 1942. Records available: 1929-55. Apr. 8, 18.56; Nov. 22, 21.69.

B-7-66-14bcc. Mrs. Alice Ehn. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 47 feet. Highest water level 14.02 below lsd, Nov. 13, 1952; lowest 22.35 below lsd, Apr. 15, 1942. Records available: 1942-55. Apr. 8, 17.39; Nov. 22, 20.62.

B-7-66-25bcc. Guy Clark. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 65 feet. Highest water level 24.40 below lsd, Mar. 29, 1943; lowest 37.73 below lsd, Nov. 22, 1955. Records available: 1935-55. Apr. 8, 32.39; Nov. 22, 37.73.

B-8-65-8bbb. H. L. Kramer. Drilled irrigation water-table well in alluvium, diameter 4 feet. Highest water level 18.62 below lsd, Nov. 6, 1945; lowest 23.70 below lsd, Nov. 22, 1954. Records available: 1941-55. Apr. 8, 23.21; Nov. 22, 23.08.

B-8-65-20dbb. Edward Vadeburg. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 30 feet. Highest water level 11.90 below lsd, Apr. 22, 1953; lowest 21.08 below lsd, Dec. 23, 1940. Records available: 1928-45, 1947-55. Apr. 5, 15.97.

B-8-65-28bbb. W. T. Miller. Dug irrigation water-table well in alluvium, diameter 8 feet, depth 29 feet. Highest water level 8.43 below lsd, Sept. 20, 1929; lowest 17.40 below lsd, Nov. 22, 1955. Records available: 1929-45, 1947-55. Apr. 8, 13.81; Nov. 22, 17.40.

B-8-65-34abb. J. F. Duncan. Dug irrigation water-table well in alluvium, diameter 10 feet, depth 16 feet. Highest water level 3.94 below lsd, Feb. 25, 1931; lowest 8.27 below lsd, Nov. 22, 1955. Records available: 1929-55. Apr. 8, 7.39; Nov. 22, 8.27.

B-8-65-34dcc. A. B. McClave. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 25 feet. Highest water level 1.15 below lsd, Apr. 25, 1929; lowest 8.75 below lsd, May 2, 1938, Dec. 23, 1940, Apr. 24, 1941. Records available: 1928-55. Apr. 8, 7.67; Nov. 22, 8.62.

B-8-66-1bab. Herman Babb. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 25 feet. Highest water level 14.29 below lsd, Dec. 3, 1942; lowest 22.78 below lsd, Apr. 8, 1955. Records available: 1931, 1940-55. Apr. 8, 22.78; Nov. 22, 20.56.

B-8-66-22aaa. Troy Jones. Dug irrigation water-table well in alluvium, diameter 12 feet, depth 31 feet. Highest water level 16.20 below lsd, Jan. 8, 1947; lowest 22.68 below lsd, Nov. 22, 1954. Records available: 1929-55. Apr. 8, 22.50; Nov. 22, 21.59.

B-8-66-26cbb3. C. Fisk. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 40 feet. Highest water level 24.52 below lsd, Nov. 25, 1953; lowest 27.33 below lsd, Apr. 8, 1955. Records available: 1953-55. Apr. 8, 27.33; Nov. 22, 25.50.

B-9-65-18cbb. U. S. Dept. of Agriculture. Dug unused water-table well in alluvium, diameter 8 feet. Highest water level 20.30 below lsd, Nov. 6, 1945; lowest 21.35 below lsd, Apr. 14, 1942. Records available: 1942-52, 1955. Apr. 8, 20.72.

B-10-66-22ccc. U. S. Dept. of Agriculture. Dug unused water-table well in alluvium, depth 45 feet. Highest water level 44.03 below lsd, Apr. 14, Dec. 3, 1942; lowest 44.44 below lsd, Apr. 8, 1955. Records available: 1942-53, 1955. Apr. 8, 44.44.

Yuma County

B-3-42-4ccc. U. S. Geol. Survey. Drilled observation water-table well in Ogallala formation, diameter $1\frac{1}{4}$ inches, depth 41 feet. Land-surface datum is 3,586.6 feet above msl. Highest water level 0.77 below lsd, Apr. 24, 1953; lowest 4.21 below lsd, Nov. 14, 1955. Records available: 1952-55.

B-3-42-4ccc--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 14, 1952	1.98	Jan. 27, 1953	1.38	July 29, 1953	2.99	Jan. 28, 1954	2.24
27	2.25	Feb. 26	1.22	Aug. 31	3.72	Apr. 18	2.17
Sept. 26	2.32	Mar. 31	1.27	Sept. 23	4.07	Jan. 11, 1955	2.94
Oct. 31	2.13	Apr. 24	.77	Oct. 23	3.42	Mar. 22	2.61
Nov. 24	1.86	May 22	1.11	Nov. 23	2.52	Nov. 14	4.21
Dec. 19	1.70	June 23	2.08				

B-3-42-31bdd. U. S. Geol. Survey. Drilled observation water-table well in Ogallala formation, diameter $1\frac{1}{4}$ inches, depth 92 feet. Land-surface datum is 3,613.8 feet above msl. Highest water level 21.25 below lsd, Aug. 14, 1952; lowest 25.30 below lsd, Nov. 14, 1955. Records available: 1952-55.

Aug. 14, 1952	21.25	Jan. 27, 1953	21.71	July 29, 1953	22.13	Jan. 28, 1954	22.65
27	21.40	Feb. 26	21.70	Aug. 31	22.24	Apr. 18	22.75
Sept. 26	21.68	Mar. 31	21.68	Sept. 23	22.36	Jan. 11, 1955	24.07
Oct. 31	21.70	Apr. 24	21.52	Oct. 23	22.56	Mar. 22	24.24
Nov. 24	21.70	May 22	21.28	Nov. 23	22.52	Nov. 14	25.30
Dec. 19	21.70	June 23	21.76				

B-4-44-36cba. Harry Bledsoe, Jr. Drilled irrigation water-table well in Ogallala formation, diameter 18 inches, depth 98 feet. Land-surface datum is 3,712.0 feet above msl. Highest water level 29.20 below lsd, Apr. 29, 1953; lowest 32.05 below lsd, Nov. 16, 1955. Records available: 1950-55.

Oct. 2, 1950	30.68	Oct. 18, 1951	30.51	Dec. 19, 1952	29.39	Sept. 21, 1953	30.28
Nov. 2	30.23	Dec. 26	30.36	Jan. 27, 1953	29.65	Oct. 22	30.22
Dec. 4	29.82	Jan. 22, 1952	29.79	Feb. 24	29.58	Nov. 23	29.62
Jan. 9, 1951	29.79	Feb. 23	29.92	Mar. 31	29.45	Jan. 28, 1954	30.01
Feb. 14	30.24	May 28	30.40	Apr. 29	29.20	Apr. 18	29.98
Mar. 12	30.22	Aug. 25	30.20	May 22	29.63	Jan. 13, 1955	30.90
Apr. 19	30.05	Sept. 26	29.75	June 23	29.64	Mar. 24	31.19
May 22	30.34	Oct. 28	29.73	July 29	29.75	Nov. 16	32.05
June 11	30.29	Nov. 21	29.60	Aug. 31	30.23		

B-4-46-26acc. Paul Brophy. Drilled stock water-table well in Ogallala formation, diameter 4 inches, depth 160 feet. Land-surface datum is 3,884.4 feet above msl. Highest water level 133.07 below lsd, Nov. 14, 1955; lowest 135.56 below lsd, Aug. 31, 1953. Records available: 1952-55.

Nov. 7, 1952	134.37	Apr. 27, 1953	133.61	Aug. 31, 1953	135.56	Jan. 27, 1954	134.04
Jan. 28, 1953	134.17	June 29	135.05	Oct. 16	134.39	Apr. 25	133.56
Mar. 4	134.09	July 31	135.02	Nov. 25	133.89	Mar. 24, 1955	133.07
25	134.18						

B-5-43-36ddd. U. S. Geol. Survey. Drilled observation water-table well in Ogallala formation, diameter $1\frac{1}{4}$ inches, depth 78 feet. Land-surface datum is 3,605.9 feet above msl. Highest water level 13.82 below lsd, Aug. 14, 1952; lowest 17.60 below lsd, Nov. 14, 1955. Records available: 1952-55.

Aug. 14, 1952	13.82	Jan. 27, 1953	14.59	July 29, 1953	15.09	Jan. 28, 1954	15.68
27	14.10	Feb. 26	14.45	Aug. 31	15.38	Apr. 18	15.59
Sept. 26	14.45	Mar. 31	14.47	Sept. 23	15.57	Jan. 11, 1955	16.68
Oct. 31	14.51	Apr. 24	14.33	Oct. 23	15.79	Mar. 22	16.64
Nov. 24	14.50	May 22	14.22	Nov. 23	15.62	Nov. 14	17.60
Dec. 19	14.53	June 23	14.54				

IDAHO

By R. H. Carson

Scope of Water-Level Program

The observation-well program in Idaho has been continuous since 1946 in cooperation with the State Department of Reclamation. Measurements were made in observation wells in the Rathdrum Valley, Kootenai County, in collaboration with the Idaho Department of Fish and Game and in the Snake River plain in collaboration with the U. S. Atomic Energy Commission and the U. S. Bureau of Reclamation. Special investigations on behalf of the Atomic Energy Commission, begun in 1949, were continued in the central Snake River plain. An areal study in the western Snake River plain was continued as a noncooperative Federal project. A report on an appraisal of ground-water resources of the Big Wood River-Silver Creek area in Blaine County, in cooperation with the U. S. Bureau of Reclamation, was completed. At the end of 1955, measurements were being made in 72 observation wells in 16 of the 44 counties in Idaho. Ten recording gages and 2 nonrecording gages were operated throughout 1955. Figures 12-15 show the location of observation wells in the State.

The following report in mimeographed form was released to the open file in 1955: Records of wells and water-level fluctuations in the Aberdeen-Springfield area, Bingham and Power Counties, Idaho, by H. G. Sisco.

Interpretation of Water-Level Fluctuations

Observation wells in the Boise Valley of Ada and Canyon Counties are in a heavily irrigated area of about 350 squares miles. The effects of local precipitation on water-level fluctuations in the valley are largely masked by artificial recharge from excess irrigation water from the Boise River. Drainage canals and pumped drainage wells also introduce local complications in water-level fluctuations. Precipitation in the area during 1955 was above normal and considerably above that of 1954. None of the wells in the valley, however, reached a record high, failing to do so for the first time in several years, probably as a result of decreased applications of surface water during an abnormally wet spring. Ground-water pumpage in the Boise Valley, estimated to be about 150,000 acre-feet yearly, is largely for irrigation and drainage. Figure 16 shows long-term water-level records for Ada County well 4N 1W-36da1 and Canyon County well 3N 2W-25aa1, which are representative of wells in the irrigated part of the Boise Valley. In January 1955, the water level in Boise County well 7N 2E-34ca1 was slightly below average; by year end it was above average, as a result of above-normal precipitation during 1955. The water level in Bonneville County well 3N 41E-6cb1, near the edge of an extensive irrigated area in the eastern Snake River plain, was slightly below average, probably as a result of below-normal precipitation during 1955. The high for the year (37.7) was on August 21; the low (59.1) on April 3. Figure 17 is a long-term hydrograph of the well.

Wells in the Raft River valley, Cassia County, showed appreciable net changes in storage during 1955. Water levels in 5 of the 6 wells reported reached record lows in 1955, probably as a result of increased withdrawals of ground water for new irrigation developments. It is estimated that ground-water withdrawals in 1955 were about 70,000 acre-feet. In 1954, the estimated withdrawal was about 30,000 acre-feet. Cassia County well 13S 22E-9dc1, in the Oakley Valley, showed a net decline of about 15 feet, reaching the lowest level of record (102.37) on May 18. The decline was caused partly by below-normal precipitation and partly by increased draft of ground water for irrigation development. Irrigation withdrawals in 1955 were estimated to be about 17,000 acre-feet. In 1954, the estimated withdrawal was about 15,000 acre-feet. The water level in Jefferson County well 5N 34E-9bd1 declined to the lowest of record in August and early September, then rose, reaching almost the same stage in December as in December 1954. The water level in this well fluctuates in response to changes in barometric pressure as well as to other factors. The barometric efficiency of the well is about 60 percent; the water levels in this report have not been adjusted for barometric effects. In the Rathdrum Valley of Kootenai County, year-end water levels were slightly below those in December 1954. Water levels in wells near Pend Oreille Lake reach their highest stages late in the fall. The water levels in these wells declined about 1 foot during 1955. Wells in the southwestern part of the Rathdrum Valley are sufficiently distant from the lake to escape its direct influence; their water levels are influenced chiefly by regional ground-water recharge factors. Water levels declined

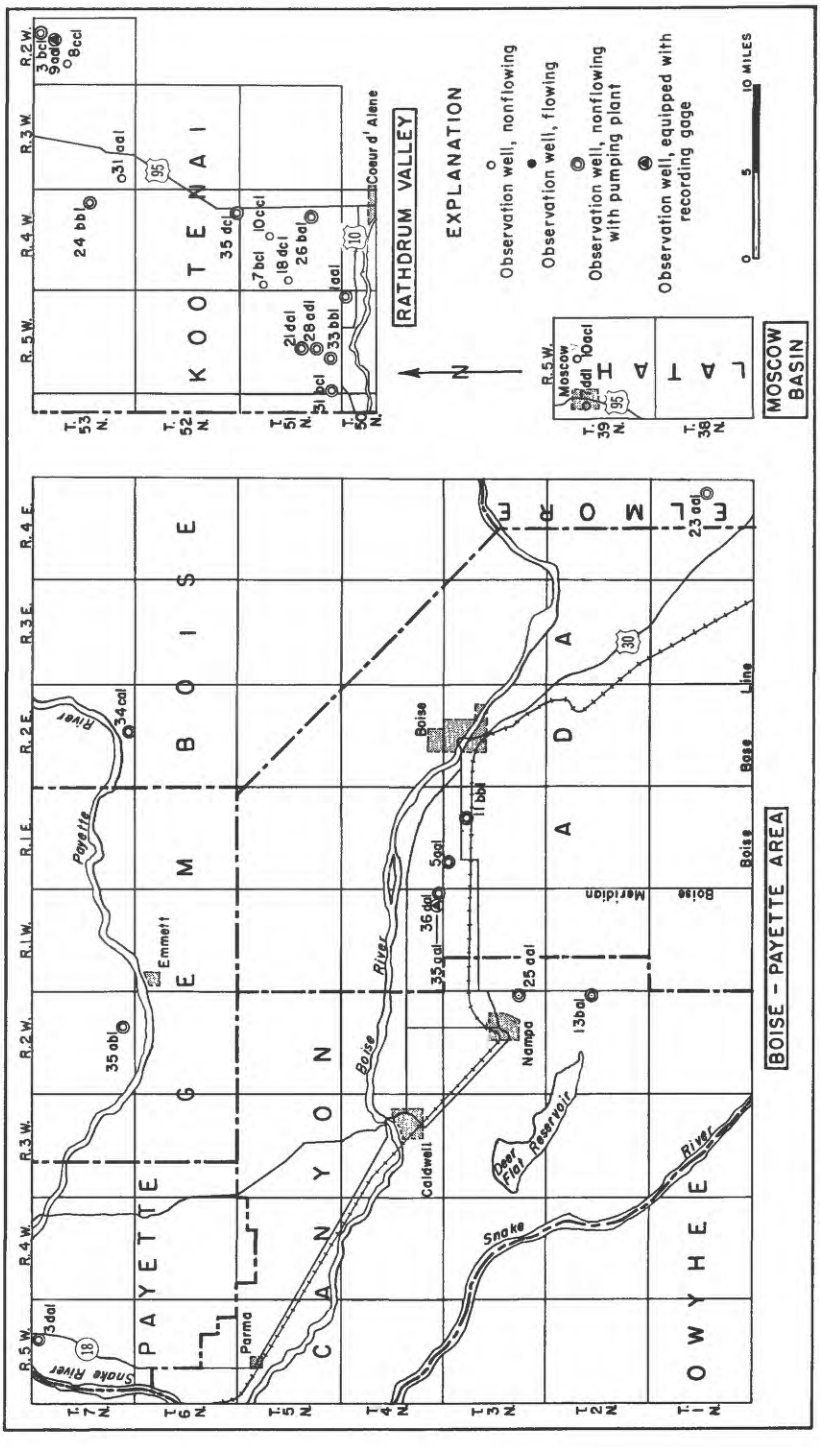


Figure 12.--Location of observation wells in Boise-Payette area, Rathdrum Valley, and Moscow Basin, Idaho, 1955.

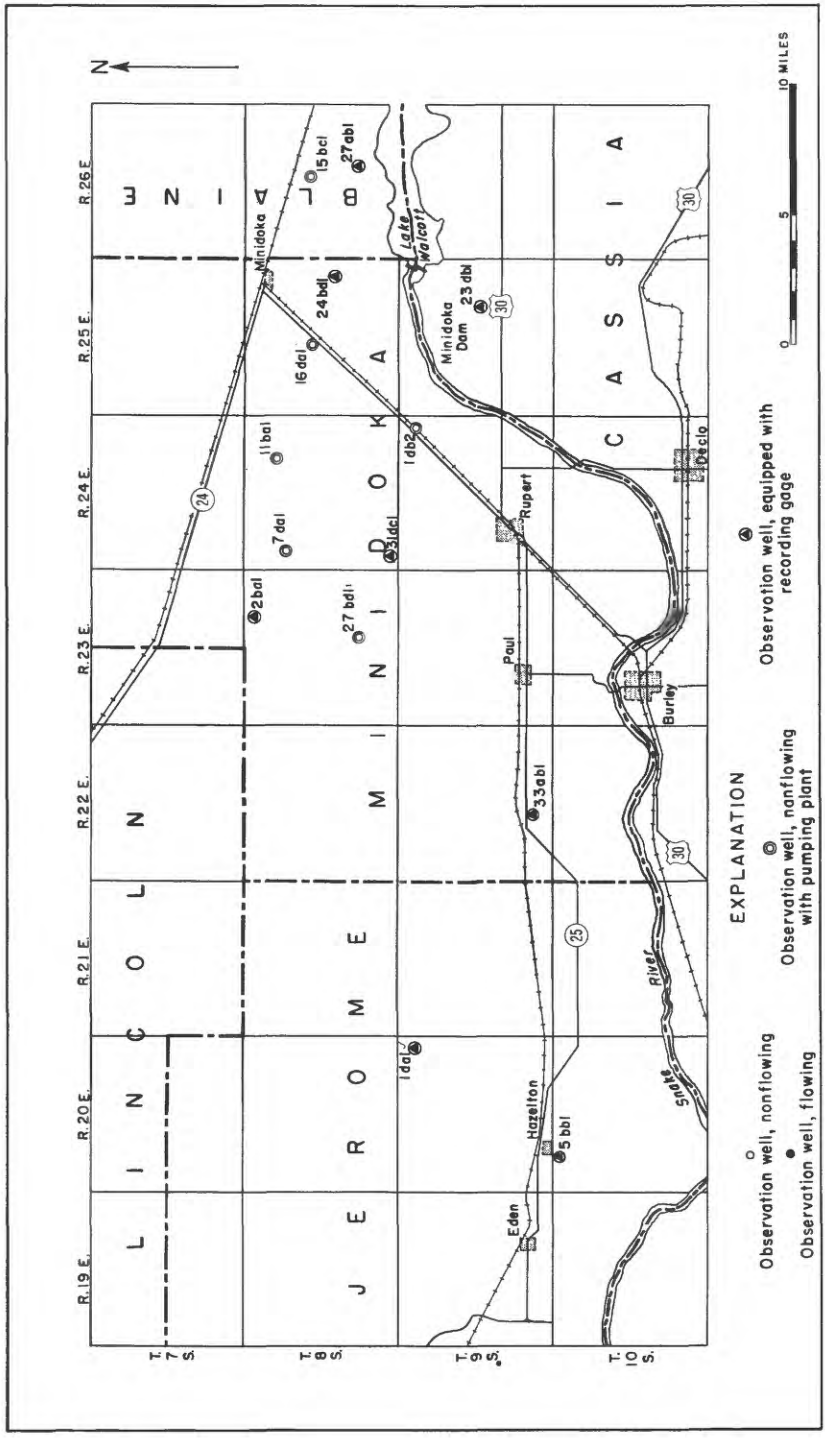


Figure 13.--Location of observation wells in western Snake River plain, Idaho, 1955.

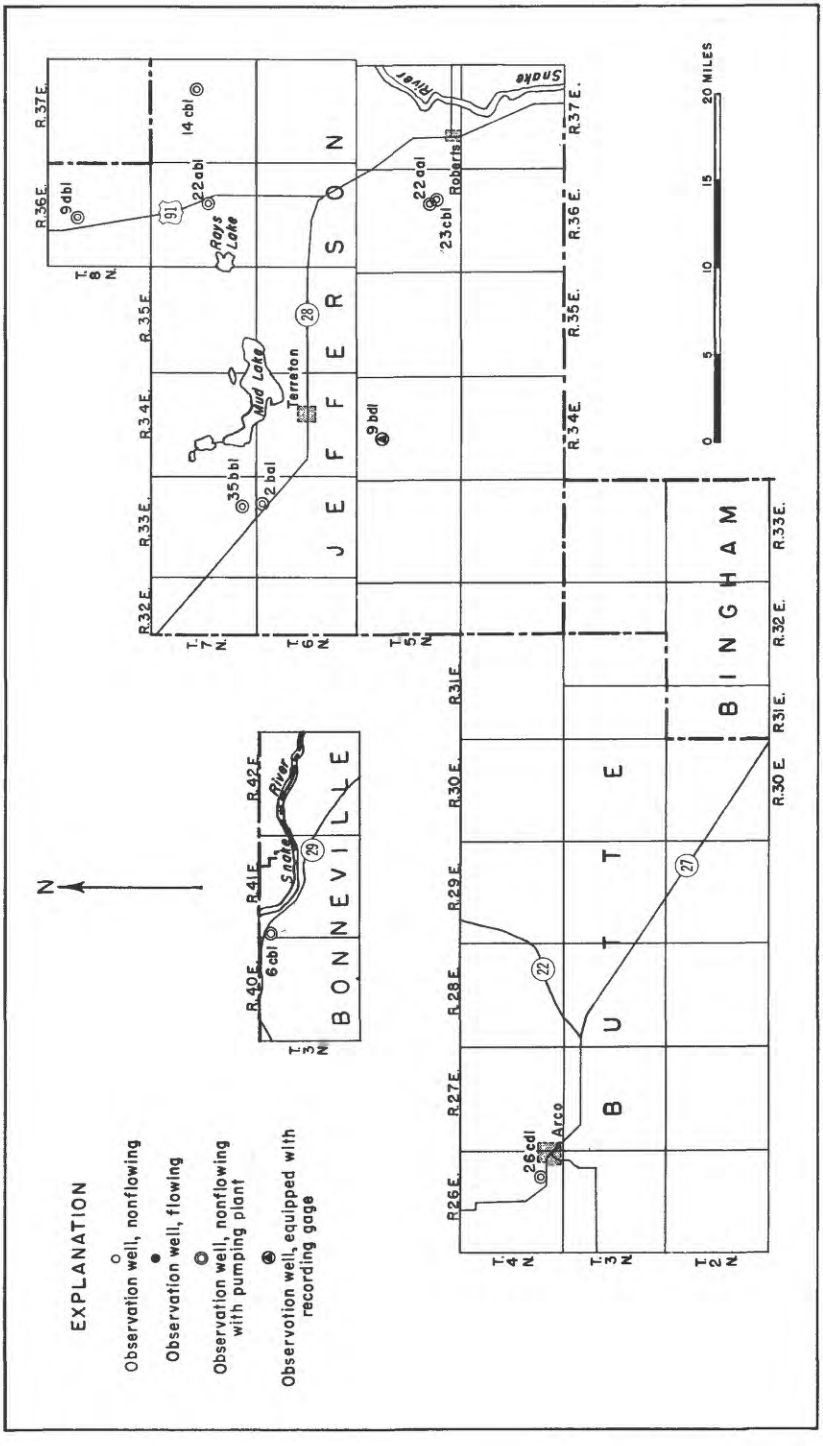


Figure 14. --Location of observation wells in eastern Snake River plain, Idaho, 1955.

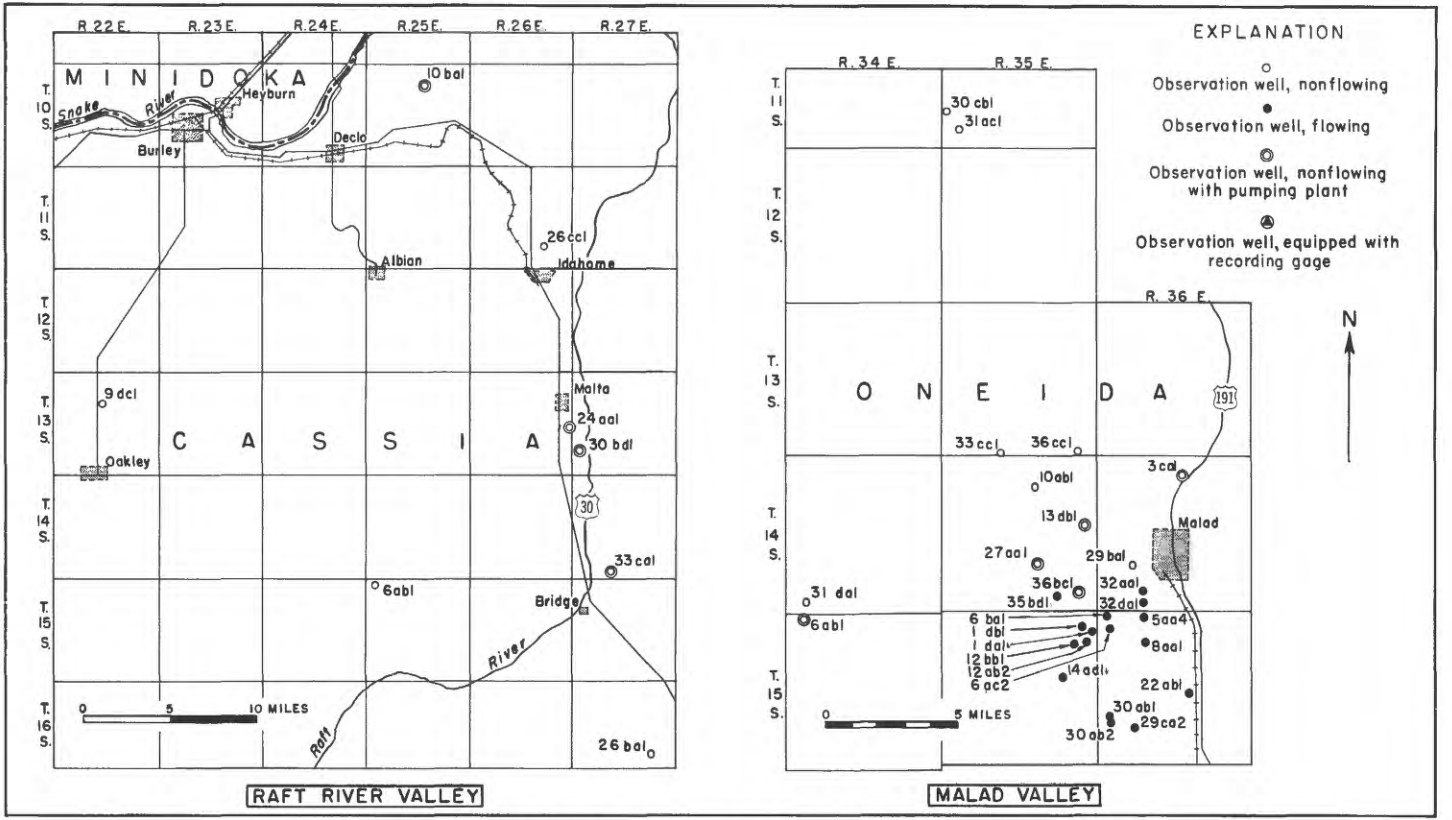


Figure 15. --Location of observation wells in Raft River valley, Cassia County, and Malad Valley, Oneida County, Idaho, 1955.

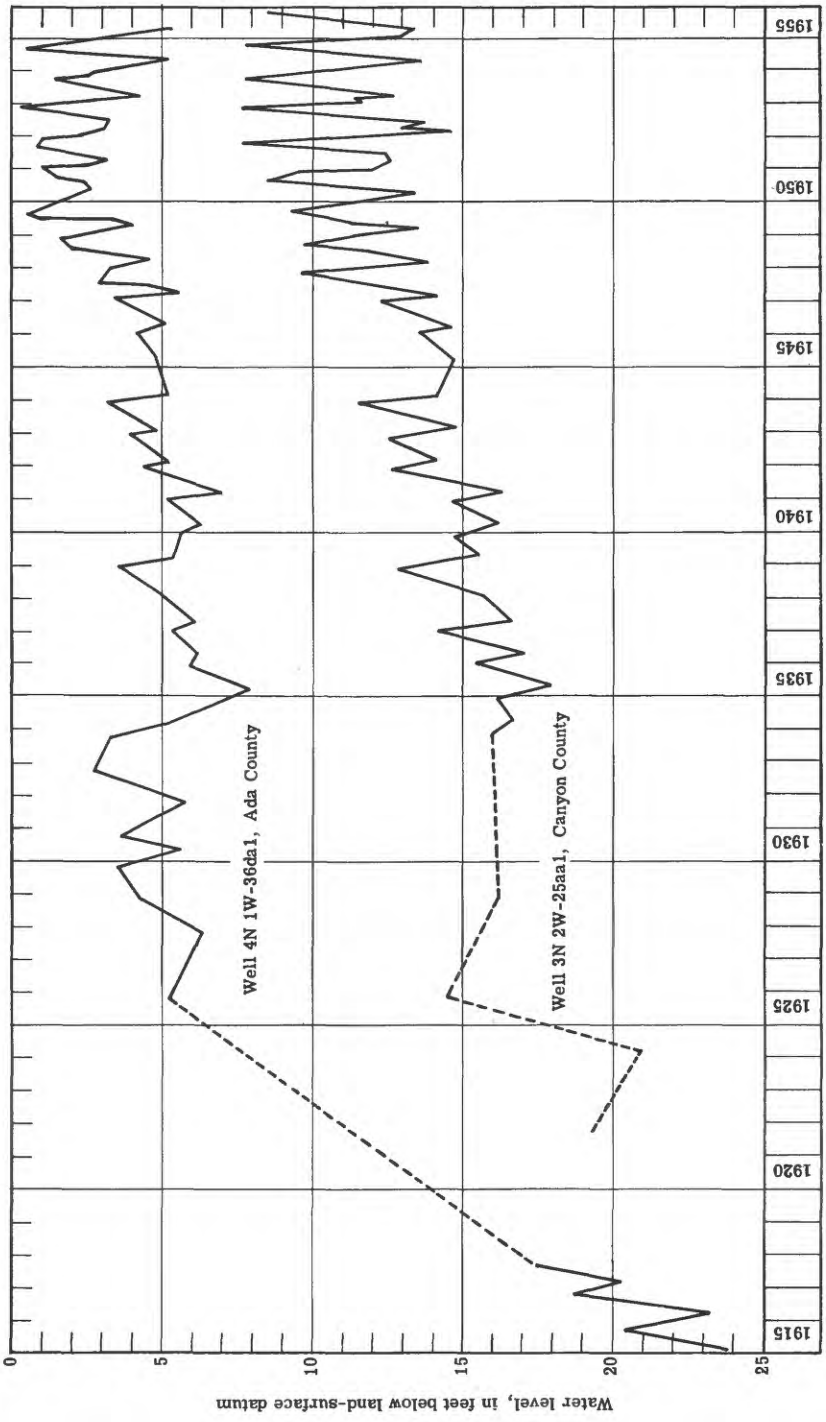


Figure 16. --Long-term water-level fluctuations in wells in Boise Valley, Ada and Canyon Counties, Idaho.

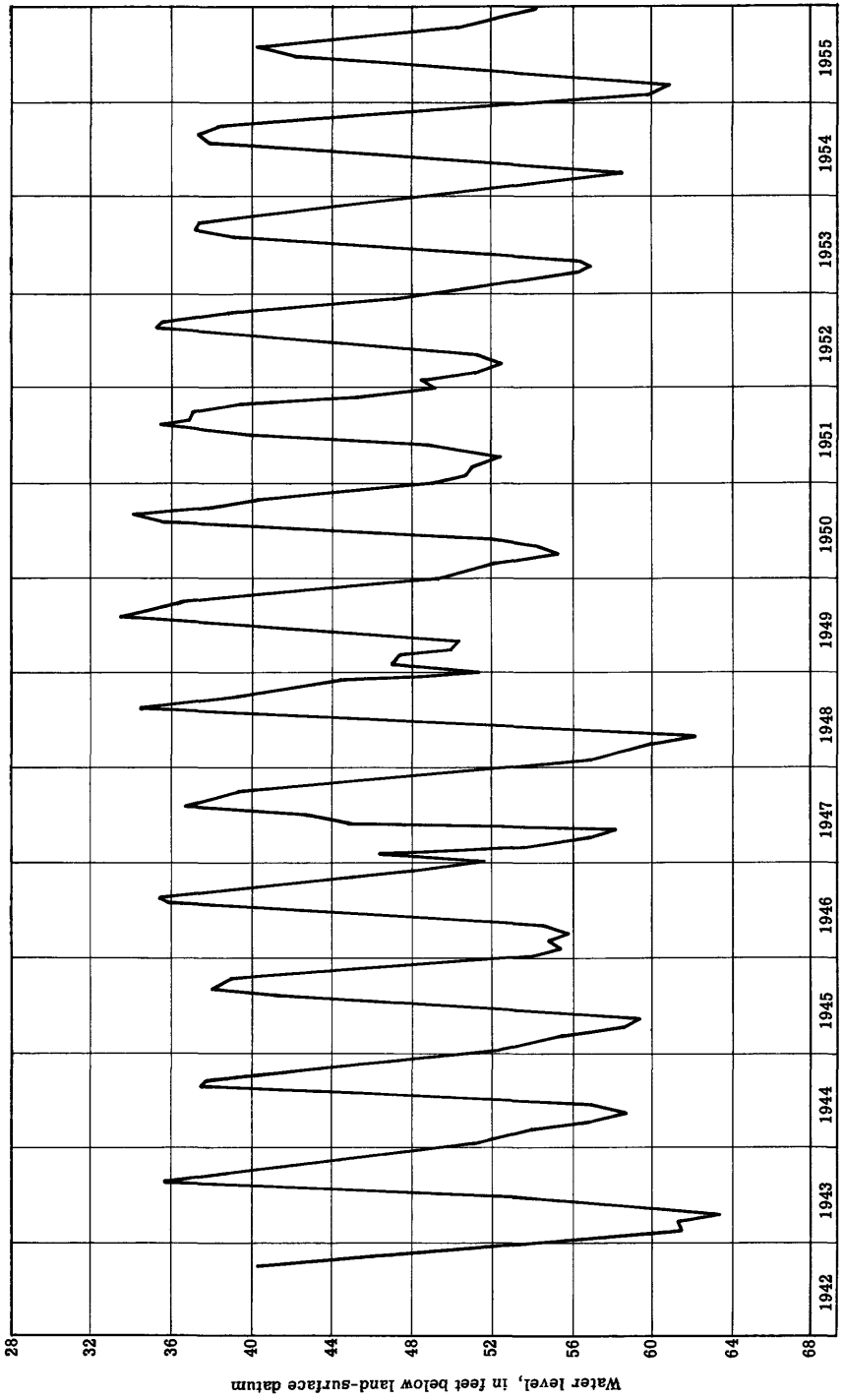


Figure 17.--Fluctuations of water level in well 3N 41E-6cb1, Bonneville County, Idaho, 1942-55.

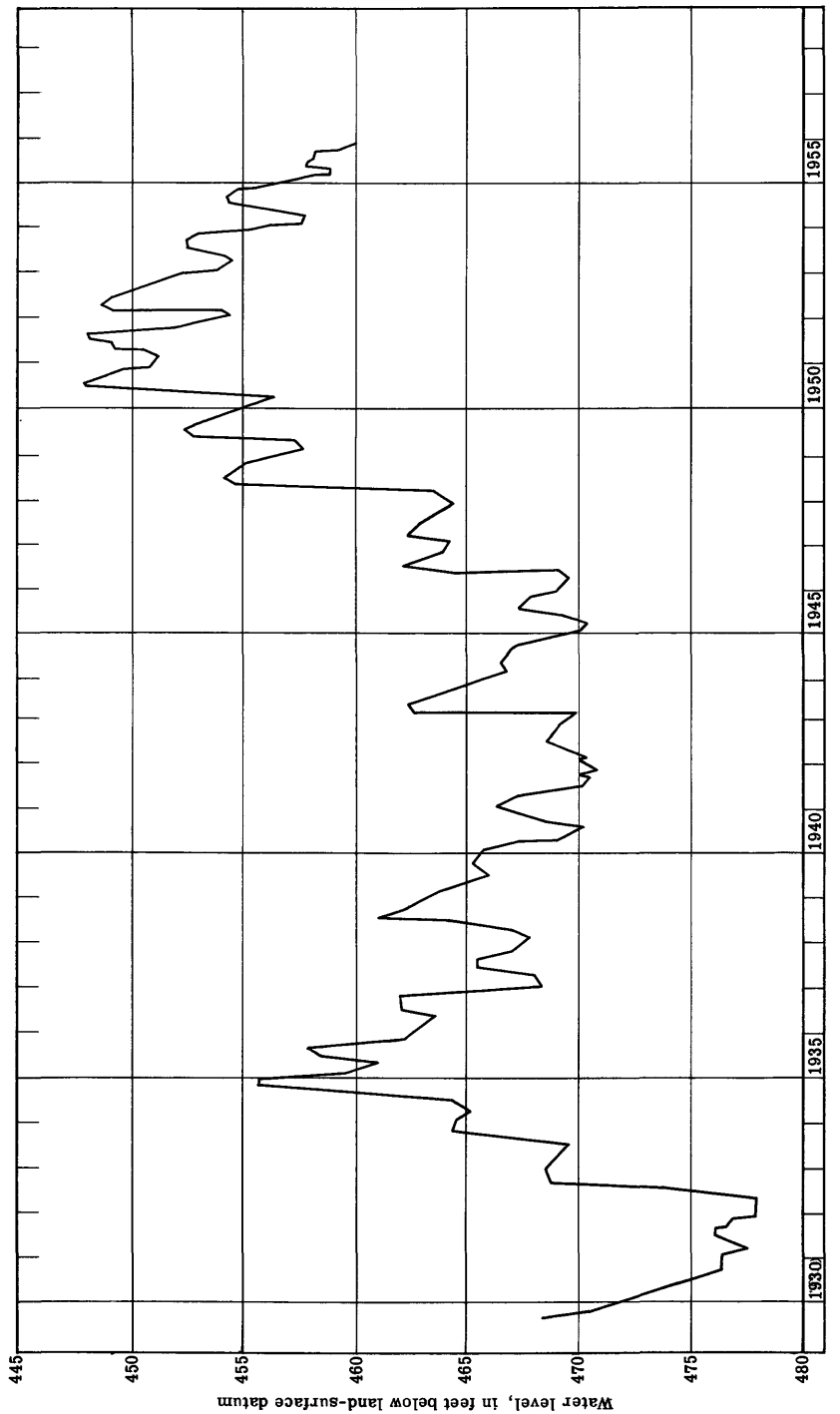


Figure 18.--Fluctuations of water level in well 53N 4W-24bb1, Kootenai County, Idaho, 1929-55.

about 1.5 feet during 1955. Figure 18 is a long-term hydrograph for well 53N 4W-24bb1, about 10 miles southwest of Pend Oreille Lake. The water level in the well declined about 3 feet during 1955; the net decline since 1950 is about 12 feet.

The water level in Latah County well 39N 5W-7dd1, a nonflowing artesian well in the Moscow Basin, declined about 5 feet net, continuing the trend that began many years ago. Ground-water pumpage from the artesian aquifer in 1955 was estimated to be about 2,200 acre-feet. In well 39N 5W-10ac1, a shallow water-table well east of the Moscow Basin, the December water level was about 1 foot above that of 1954. Total precipitation in the area was above normal for 1955.

In the Malad Valley of Oneida County, 8 of 28 wells reached record-low levels, continuing the trend of 1954. Water levels in most wells ranged from about 1 to 8 feet below the 1954 year-end stages; in 3 wells, water levels were about 2 to 3 feet above the 1954 year-end stages. Precipitation in the Malad Valley was above normal during 1955. Differences in net changes of water levels and in departures from average are partly a result of local pumping and discharge by flowing wells. Wells in the Malad Valley characteristically reach their highest levels during the period February to April. Ground-water withdrawals in 1955 were estimated to be about 32,000 acre-feet.

The water level in well 7N 5W-3da1 in the Payette Valley of Payette County did not change from 1954. The highest for 1955 was 32.2 in September; the lowest was 42.8 in May. Precipitation in the area was slightly below normal but was greater than in 1954. The effects of local precipitation on water-level fluctuations in this well are masked by artificial recharge from irrigation.

During 1955 the following wells were discontinued as observation wells: Jefferson County 7N 37E-14cb1; Kootenai County 51N 5W-21da1; Minidoka County 8S 24E-7da1; and Oneida County 15S 35E-1db1. Ada County well 4N 1W-35aa1 was added to the observation-well network in 1955. Measurements since 1933 are included in this report.

Water-level fluctuations in 1955 in most observation wells with 10 years or more of record are summarized in the following tables.

Changes in water levels in observation wells and precipitation in Idaho, 1955

Water levels, in feet			Precipitation, in inches, at nearest U. S. Weather Bureau Station			
County and well no.	Net change	Departure from average	Station	Total precipitation	Departure from normal	Net departure from 1954 total
Ada						
4N 1W-35aa1	+0.40		Meridian	13.46	+1.78	+5.29
36da1	-4.62	-0.32				
3N 1E- 5aa1	+3.64	+3.94	Boise Airport	12.19	+.71	+4.03
11bb1	-3.17	+2.33				
Boise						
7N 2E-34ca1	+1.6	+.59	Emmett	11.79	+.34	+1.43
Bonneville						
3N 41E-6cb1	-1.50	-3.50	Idaho Falls	12.19		+3.94
Canyon						
3N 2W-25aa1	-.7	+4.80	Nampa	9.81		+3.24
Cassia						
13S 26E-24aa1	-.11	-3.35				
Kootenai						
53N 4W-24bb1	-2.8	+5.3	Coeur d'Alene	28.09	+3.74	+2.55
53N 2W- 9aa1	+.2	+9.3				
51N 5W-33bb1	-4.5	+4.28				
50N 5W-1aa1	-1.5	+4.6				
Latah						
39N 5W- 7dd1	-4.82	-22.34	Moscow	22.96	+1.26	+1.38
10ac1	+1.06	-.78				

Changes in water levels in observation wells and precipitation in Idaho, 1955--Continued

Water levels, in feet			Precipitation, in inches, at nearest U. S. Weather Bureau Station			
County and well no.	Net change	Departure from average	Station	Total precipitation	Departure from normal	Net departure from 1954 total
Oneida						
14S 35E-13db1	+0.12	-6.39	Malad	17.81	+3.72	+7.28
27aa1	-.31	-7.00				
35bd1	-3.4	-11.64				
36bc1	-.66	-3.43				
14S 36E- 3ca1	-.50	-2.25				
32aa1	-2.4	-11.80				
15S 35E- 1da1	-1.5	-7.58				
12ab2	-6.1	+1.27				
12bb1	+3.3	-4.24	Malad Airport	16.29		+7.23
14ad1	+2.3	-.28				
15S 36E- 5aa4	+2.1	-8.60				
6ac2	-1.0	-9.93				
6ba1	-8.7	-10.64				
29ca2	+2.3	-.90				
30ab1	+2.9	-3.13				
30ab2	0.0	-1.60				
Payette						
7N 5W-3da1	+5.4	+5.98	Payette	9.77	-1.10	+2.32

Water levels, in feet, in observation wells in Idaho, 1955

County and well no.	Length of record (years)	Highest		Lowest		Extreme observed range	Year-end water level			
		Water level	Date	Water level	Date		Water level	Date	Above or below 1954	Above lowest level %
Ada										
4N 1W-35aa1	b23	4.2	9-16-55	12.2	3-15-35	8.0	8.8	12-31-55	+0.4	42
36da1	a33	.28	9- 5-52	23.7	2- 9-15	23.4	5.20	4-25-55	-4.62	79
3N 1E- 5aa1	23	5.0	8-30-49	21.3	3-23-35	16.3	9.56	11- 4-55	+3.64	72
11bb1	32	3.63	9-17-54	19.9	3-31-24	16.3	6.80	11- 4-55	-3.17	80
Boise										
7N 2E-34ca1	13	31.6	5-12-43	42.4	7-26-50 8- 9-50	10.8	38.0	12-28-55	+1.6	41
Bonneville										
3N 41E-6cb1	b16	33.5	7-30-49	63.4	3-27-43	29.9	51.4	12-26-55	-1.50	32
Canyon										
3N 2W-25aa1	b27	7.0	9-17-54	21.0	4-21-24	14.0	7.7	10-19-55	-.7	95
Cassia										
13S 26E-24aa1	15	2.07	5-19-49	9.30	1-19-55	7.23	8.87	11- 4-55	-.11	6
Kootenai										
53N 4W-24bb1	27	447.6	8-21-50 7-16-51 7-23-51	478.1	1-15-32	30.5	458.7	12-26-55	-2.8	64
53N 2W- 3bc1	13	202.0	5-26-49	228.0	11-14-44	26.0				0
9aa1	13	228.0	6- 8-48	252.0	1- 2-44 10-30-44	24.0	233.3	12-31-55	+.2	78
51N 5W-33bb1	28	134.1	6-29-50	166.6	2-11-32	32.5	147.5	8-20-55	-4.5	59
50N 5W-1aa1	27	176.1	9- 1-50	212.3	12- 8-31	36.2	190.9	12-18-55	-1.5	59
Latah										
39N 5W- 7dd1	a13	50.10	4-19-38	85.65	10- 4-55	35.28	85.38	12- 7-55	-4.82	0
10ac1	a16	5.97	3-21-49	17.61	2- 1-37	11.64	14.83	12- 7-55	+1.06	24
Oneida										
14S 35E-10ab1	a14	115.4	5- 4-48	124.6	10-13-47	9.2	dry	4-21-55 10-25-55		0
13db1	13	66.07	4-26-53	77.36	10-29-54	11.29	77.24	10-25-55	+.12	1

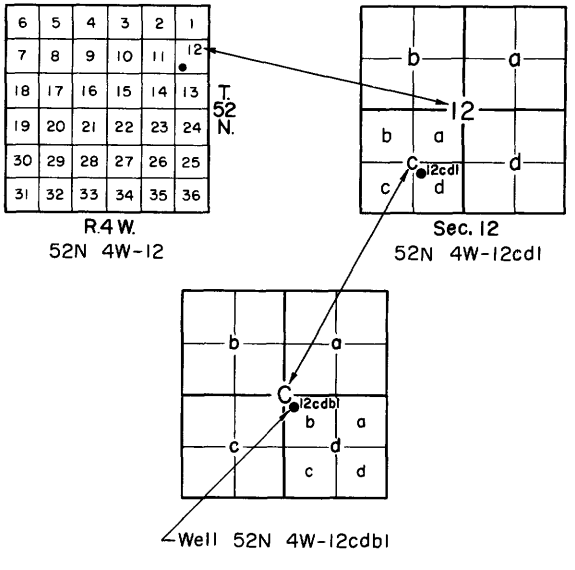
Water levels, in feet, in observation wells in Idaho, 1955--Continued

County and well no.	Length of record (years)	Highest		Lowest		Extreme observed range	Year-end water level			
		Water level	Date	Water level	Date		Water level	Date	Above or below 1954	Above lowest level %
Oneida--Continued										
14S 35E-27aa1	13	52.65	4- 9-47	63.92	10-25-55	11.27	63.92	10-25-55	-0.31	0
35bd1	13	+29.0	2-25-46	+9.6	10-25-55	19.4	+9.6	10-25-55	-3.4	0
36bc1	13	15.69	4- 1-47	22.49	9-27-49	6.80	21.73	10-25-55	-.66	11
14S-36E- 3ca1	a15	59.15	10-16-32	74.22	9-14-51	15.07	72.38	10-24-55	-.50	12
32aa1	13	+7.6	5- 2-44 2-25-46	8.4	10-24-55	16.00	8.4	10-25-55	-2.4	0
15S 35E- 1da1	a12	+33.1	5- 3-44	+16.9	9- 7-50	16.2	+18.7	10-25-55	-1.5	11
12ab2	a15	+26.6	10-28-54	+13.0	5- 5-48	13.6	+20.5	10-25-55	-6.1	55
12bb1	13	+14.5	4- 1-47	+.1	9- 7-50	14.4	+3.8	10-25-55	+3.3	26
14ad1	13	+7.1	5- 6-52	+1.9	5- 3-44	5.2	+5.4	10-25-55	+2.3	67
15S 36E- 5aa4	b14	+17.0	2-28-51	+2.0	10-29-54	15.0	+4.1	10-25-55	+2.1	14
6ac2	13	+17.0	2-28-51	+2.1	10-25-55	14.9	+2.1	10-25-55	-1.0	0
6ba1	13	+23.1	5- 4-44 4-26-53	+8.0	9- 7-50	15.1	+5.2	10-24-55	-8.7	19
8aa1	13	+24.0	3-20-52	+11.5	4-20-55	12.5	22.5	10-25-55		
29ca2	13	+14.7	5- 6-52	+3.2	9- 7-50	11.5	+10.1	10-25-55	+2.3	60
30ab1	13	+14.9	5- 3-44	+6.6	10-29-54	8.3	+9.5	10-25-55	+2.9	35
30ab2	13	+13.2	5- 6-52	+9.0	9- 7-50	4.2	+9.4	10-25-55	.0	10
Payette										
7N 5W-3da1	12	31.0	9-12-49 10- 7-49	43.3	4-27-49 5- 3-49	12.3	32.2	9-26-55	+5.4	90

a Discontinuous record.
b Intermittent record.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision with reference to the Boise base line and meridian. The first segment indicates the township, the second the range, and the third the section in which the well is situated. The lowercase letters (a, b, c, and d) after the section number indicate the well location within the section. The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. The letters are assigned in a counterclockwise direction, beginning in the northeast quarter. Well 52N 4W-12cdb1 is the first well recorded in the NW¼SE¼SW¼ sec. 12, T. 52 N., R. 4 W. The numeral after the lowercase letter indicates the order in which the well was recorded.



Well Descriptions and Water-Level Measurements

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

Ada County

4N 1W-35aa1. A. A. Waite. Dug unused water-table well in sand and gravel of Quaternary age, diameter 24 inches, depth 44 feet. Highest water level 4.2 below lsd, Sept. 16, 1955; lowest 12.2 below lsd, Mar. 15, 1935. Records available: 1933-55. Water level influenced by local irrigation.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 13, 1933	7.2	Mar. 10, 1939	10.0	Feb. 25, 1944	9.6	Nov. 9, 1948	7.1
Mar. 16, 1934	10.4	Nov. 23	9.7	Mar. 1, 1945	9.2	Mar. 4, 1949	9.7
Nov. 13	11.0	Mar. 11, 1940	11.4	Dec. 17	8.3	Oct. 28	6.7
Mar. 15, 1935	12.2	Dec. 5	9.9	Mar. 5, 1946	9.1	Mar. 7, 1950	9.4
Nov. 4	9.0	Mar. 28, 1941	11.6	Dec. 20	7.9	Nov. 2	7.7
Mar. 12, 1936	10.6	Nov. 24	8.5	Mar. 1, 1947	10.0	Mar. 11, 1951	9.8
Dec. 11	8.8	Feb. 27, 1942	9.1	Apr. 2	10.1	Sept. 5, 1952	5.0
Mar. 21, 1937	10.6	Nov. 2	7.7	Nov. 4	6.7	Nov. 20	7.7
Dec. 21	9.8	Feb. 25, 1943	10.0	Mar. 4, 1948	9.4	Dec. 19	8.2
Nov. 4, 1938	7.1	Nov. 5	6.9				

Daily noon water level from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	...	....	...	8.4	8.2	6.7	6.4	6.0	7.6	8.7
2	....	....	...	....	...	8.6	8.0	6.7	6.5	6.4	7.8	8.6
3	....	....	...	....	...	8.4	7.8	6.8	6.5	6.4	7.8	8.6
4	....	....	...	....	...	8.3	7.6	6.9	6.4	6.3	7.7	8.8
5	....	....	...	....	...	8.4	7.5	6.9	6.4	6.2	7.6	9.0
6	....	....	...	....	...	8.2	7.3	6.7	6.2	6.2	8.0	8.7
7	....	....	...	....	...	8.3	7.2	6.7	6.0	6.3	8.2	8.9
8	....	....	...	....	...	8.4	7.2	6.7	6.0	6.4	8.1	9.0
9	....	....	...	....	...	8.4	7.2	6.5	5.9	6.4	8.1	8.9
10	....	....	...	....	...	8.6	7.1	6.5	5.8	6.3	8.0	9.0
11	....	....	...	....	...	8.6	7.1	6.5	5.7	6.5	8.1	9.1
12	....	....	...	....	...	8.4	7.1	6.5	5.7	6.5	8.1	9.0
13	....	....	...	....	...	8.7	7.2	6.6	5.7	6.6	8.1	9.1
14	....	....	...	....	...	8.5	7.2	6.7	5.5	6.6	8.1	9.0
15	....	....	...	....	9.3	8.5	7.3	6.6	5.3	6.7	8.4	9.0
16	....	....	...	....	9.3	8.5	7.0	6.6	5.3	6.7	8.1	9.0
17	....	....	...	....	9.3	8.6	7.0	6.6	5.4	6.7	8.3	9.1
18	....	....	...	....	9.2	8.5	6.9	6.5	5.5	6.8	8.5	9.1
19	....	....	9.5	11.1	9.0	8.6	6.9	6.4	5.4	7.0	8.4	9.0
20	....	....	...	....	9.1	8.7	6.9	6.4	5.0	7.0	8.4	9.2
21	....	....	...	....	9.0	8.5	6.9	6.4	4.5	7.1	8.5	9.3
22	....	....	...	....	9.0	8.5	6.9	6.5	5.1	7.2	8.3	9.4
23	....	....	...	....	8.6	8.5	6.9	6.3	5.5	7.1	8.6	9.3
24	....	....	...	....	8.7	8.6	6.8	6.3	5.6	7.2	8.7	9.3
25	....	....	...	....	8.6	8.4	6.8	6.2	5.5	7.4	8.6	9.3
26	....	....	...	....	8.6	8.4	6.8	6.3	5.7	7.4	8.5	9.1
27	....	....	...	....	8.6	8.4	6.9	6.2	5.7	7.4	8.6	9.3
28	....	....	...	....	8.4	8.2	6.8	6.2	5.8	7.5	8.7	9.1
29	....		...	....	8.5	8.2	6.8	6.3	6.0	7.5	8.7	9.4
30	....		...	....	8.5	8.2	6.8	6.3	5.9	7.7	8.5	9.5
31	....		...		8.4		6.8	6.4		7.7		9.3

Daily noon water level from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.2	10.2	10.7	11.2	10.8	8.3	8.1	6.7	6.3	6.0	....	8.6
2	9.4	10.1	10.7	11.2	10.8	8.2	8.0	6.6	6.2	6.0	....	8.6
3	9.5	10.1	10.6	11.2	10.6	7.9	7.8	6.6	6.1	6.2	....	8.5
4	9.6	10.1	10.7	11.1	10.4	7.8	7.8	6.4	6.0	6.1	....	8.7
5	9.5	10.2	10.7	11.2	10.4	7.9	7.7	6.5	6.2	6.1	....	8.6
6	9.4	10.2	10.6	11.4	10.3	8.1	7.6	6.7	5.9	6.0	....	8.5
7	9.5	10.3	10.7	11.4	10.1	8.1	7.6	6.6	5.9	6.2	....	8.7
8	9.6	10.2	10.6	11.2	10.0	8.0	7.5	6.5	5.9	8.3	....	8.7
9	9.7	10.0	10.5	11.4	9.9	8.1	7.5	6.5	5.8	6.3	....	8.6
10	9.7	10.1	10.6	11.4	10.0	8.2	7.4	6.5	5.6	6.2	....	8.7

4N 1W-35aa1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	9.6	10.2	10.8	11.3	9.7	8.3	7.4	6.5	5.7	6.2	...	...
12	9.6	10.0	11.0	11.3	9.7	8.2	7.4	6.5	5.6	6.3	...	...
13	9.6	10.2	11.0	11.2	9.6	8.3	7.4	6.6	5.5	6.6	...	...
14	9.4	10.3	10.8	11.3	9.5	8.4	7.3	6.7	5.3	6.7	...	...
15	9.6	....	10.6	11.5	9.3	8.2	7.3	6.8	5.5	6.5	...	...
16	9.7	....	10.6	11.4	...	8.5	7.2	6.8	5.3	6.4	...	9.2
17	9.5	....	10.7	11.3	...	8.5	7.3	6.6	5.5	6.7	8.4	9.2
18	9.8	....	11.1	11.3	...	8.5	7.3	6.4	5.5	6.6	8.3	9.2
19	9.8	10.6	10.9	11.3	...	8.4	7.2	6.4	5.6	6.7	8.2	9.1
20	9.9	10.4	10.9	11.4	...	8.5	7.0	6.3	5.7	6.9	8.3	9.0
21	10.0	10.3	11.0	11.4	8.8	8.6	7.3	6.3	5.7	6.8	8.4	9.0
22	9.8	10.7	11.0	11.2	8.8	8.3	7.3	6.2	5.8	6.9	8.3	9.0
23	9.8	10.5	10.8	11.2	8.7	8.4	7.1	6.1	6.0	...	8.4	8.9
24	9.9	10.4	10.9	11.0	8.4	8.3	6.9	6.2	6.1	...	8.3	9.1
25	10.0	10.4	11.2	11.1	8.5	8.2	6.8	6.1	6.1	...	8.4	9.1
26	9.9	10.5	11.2	11.0	8.4	8.2	6.8	6.2	6.0	...	8.5	9.4
27	10.0	10.8	11.1	10.9	8.6	8.3	6.8	6.2	5.8	...	8.4	9.5
28	10.1	10.5	11.0	10.9	8.4	8.4	6.8	6.4	6.0	...	8.4	9.2
29	10.0		11.1	10.9	8.0	8.1	6.8	6.4	6.1	...	8.4	9.1
30	10.2		11.2	10.6	8.3	7.9	6.9	6.3	6.0	...	8.6	9.1
31	10.2		11.2		8.3		6.8	6.5		...		9.2

Daily noon water level from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.2	10.0	10.3	10.9	11.4	10.3	7.9	...	5.4	5.7	7.5	8.4
2	9.5	10.1	10.4	11.1	11.6	10.2	7.7	...	5.4	5.8	7.6	8.5
3	9.5	10.1	10.5	11.1	11.6	10.2	7.8	...	5.4	5.8	7.5	8.6
4	9.5	10.2	10.6	11.2	11.5	10.1	7.8	...	5.4	6.0	7.5	8.6
5	9.6	10.0	10.6	11.2	11.4	9.8	7.6	...	5.3	6.3	7.7	8.4
6	9.5	10.2	10.6	11.2	11.5	9.8	7.7	...	5.1	6.1	7.7	8.6
7	9.5	10.2	10.6	11.1	11.3	9.6	7.6	...	5.2	5.9	7.9	8.6
8	9.4	10.1	10.6	11.1	11.5	9.5	7.5	...	5.2	6.1	7.8	8.5
9	9.4	10.2	10.8	11.2	11.7	9.3	7.5	...	5.0	6.0	7.4	8.6
10	9.6	10.4	....	11.3	11.5	9.2	7.4	...	5.1	6.3	7.5	8.6
11	9.8	10.3	....	11.3	11.5	9.1	7.2	...	5.0	6.4	7.7	8.6
12	....	10.2	....	11.1	11.4	9.1	7.0	...	5.6	...	7.9	8.6
13	....	10.3	....	11.1	11.5	9.1	6.8	...	5.6	6.2	7.8	...
14	....	10.3	....	11.3	11.5	9.1	6.6	...	4.9	6.2	8.0	9.0
15	....	10.3	....	11.3	11.5	9.1	6.4	...	...	6.5	8.2	8.7
16	....	10.3	10.8	11.2	11.5	9.0	6.3	...	4.2	6.5	8.0	8.6
17	....	10.2	10.9	11.2	11.5	8.8	6.2	...	4.4	...	8.1	8.7
18	9.6	10.4	10.7	11.2	11.4	8.7	6.2	5.7	4.6	...	8.2	8.7
19	9.7	10.5	10.8	11.5	11.3	8.6	6.1	5.7	4.8	...	8.1	8.9
20	9.8	10.4	10.9	11.4	11.2	8.6	6.2	5.8	4.8	...	8.1	9.0
21	10.0	10.5	10.9	11.4	11.2	8.6	...	5.6	5.0	...	8.3	8.9
22	10.0	10.4	10.7	11.4	11.2	8.5	...	5.6	5.1	...	8.4	8.7
23	9.9	10.3	10.9	11.6	11.1	8.5	...	5.6	5.2	...	8.2	8.7
24	9.8	10.4	11.0	11.4	11.0	8.4	...	5.5	5.2	...	8.4	9.1
25	9.9	10.5	11.1	11.3	11.0	8.3	...	5.4	5.4	6.8	8.4	9.1
26	10.0	10.3	11.0	11.5	10.9	8.3	...	5.3	5.5	7.0	8.4	8.8
27	10.0	10.3	10.8	11.6	11.0	8.2	...	5.2	5.3	7.3	8.5	8.9
28	9.9	10.3	10.8	11.3	10.8	8.1	...	5.0	5.7	7.3	8.4	9.0
29	9.9		11.0	11.4	10.3	8.1	...	5.0	5.7	7.3	8.4	9.0
30	9.8		11.2	11.4	10.4	7.8	...	5.0	5.7	7.1	8.3	8.9
31	9.8		11.1		10.3		...	5.2		7.3		8.8

4N 1W-36da1. Harold Greason. Drilled and dug domestic water-table well, diameter 3 inches, reported depth 184 feet, open bottom. Land-surface datum is 2,584.5 feet above msl. datum of 1935 (preliminary). Highest water level 0.28 below lsd, Sept. 5, 1952; lowest 23.7 below lsd, Feb. 9, 1915. Records available: 1915-17, 1925, 1927-55. Apr. 25, 5.20. Water level influenced by local irrigation.

3N 1E-5aa1. J. E. Wingate. Dug domestic water-table well in sand and gravel of Quaternary age, diameter 36 inches, reported depth 60 feet. Land-surface datum is 2,620.8 feet above msl datum of 1935 (preliminary). Highest water level 5.0 below lsd, Aug. 30, 1949; lowest 21.3 below lsd, Mar. 23, 1935. Records available: 1933-55. Water level influenced by local irrigation.

3N 1E-5aa1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	13.5	Mar. 1	16.0	Apr. 26	18.0	June 21	13.5
11	14.0	8	16.0	28	18.0	July 6	11.8
18	14.1	15	16.4	May 10	18.5	29	9.4
25	14.4	22	16.7	17	18.0	Aug. 31	7.60
Feb. 8	15.0	29	16.9	26	17.4	Sept. 30	7.20
15	14.9	Apr. 5	17.1	31	16.5	Nov. 4	9.56
22	15.4						

3N 1E-11bb1. F. M. Wheaton. Dug stock and domestic water-table well in shallow gravel, reported depth 80 feet. Land-surface datum is 2,664.6 feet above msl. datum of 1935 (preliminary). Highest water level 3.63 below lsd, Sept. 17, 1954; lowest 19.9 below lsd, Mar. 31, 1924. Records available: 1924-55. Water level influenced by local irrigation. Apr. 25, 12.02; Nov. 4, 6.80.

Blaine County

8S 26E-15bc1. James Hruza. Drilled stock water-table well in Snake River basalt, diameter 6 inches, reported depth 189 feet, cased to 16. Land-surface datum is 4,270.3 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 168.5 below lsd, Mar. 19, 1953, Mar. 24, 1954; lowest 177.3 below lsd, Feb. 26, 1949. Records available: 1948-55. Water level reflects regional storage. May 17, 170.0; July 13, 170.0; Nov. 3, 170.5.

8S 26E-27ab1. U. S. Bureau of Reclamation. Drilled observation water-table well in sand, gravel, and basalt, diameter 8 to 6 inches, reported depth 225 feet, cased to 179. Land-surface datum is 4,288.5 feet above U. S. Bureau of Reclamation datum. Highest water level 125.8 below lsd, Nov. 5, 1953; lowest 129.6 below lsd, June 21, 1955. Records available: 1951-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	127.6	128.2	128.6	128.7	128.9	129.2	129.4	129.3	128.9	128.5	.....	128.3
2	127.6	128.3	128.5	128.6	129.0	129.3	129.4	129.3	128.9	128.4	.....	128.4
3	.....	128.3	128.6	128.9	129.2	129.3	129.3	129.2	128.8	128.3	.....	128.6
4	.....	128.4	128.6	129.0	129.2	129.3	129.3	129.3	128.8	128.3	.....	128.8
5	128.0	128.2	128.9	129.1	129.0	129.2	129.3	129.3	128.9	128.4	.....	128.6
6	128.1	128.5	128.9	129.1	129.0	129.3	129.2	129.4	128.8	128.7	.....	128.4
7	128.0	128.4	128.8	129.0	128.9	129.3	129.3	129.3	128.7	128.3	.....	.....
8	128.0	128.3	128.8	129.0	128.9	129.4	129.1	129.2	128.6	128.3	.....	.....
9	127.8	128.4	128.5	129.0	129.2	129.4	129.1	129.3	128.8	128.3	128.4	.....
10	127.8	128.7	128.5	128.9	129.2	129.3	129.2	129.3	128.9	128.2	128.0	.....
11	128.0	128.5	128.5	129.0	129.1	129.2	.....	129.2	128.8	128.5	128.1	.....
12	128.3	128.3	128.5	129.1	129.0	129.2	.....	129.1	128.7	128.5	128.3	.....
13	127.9	128.5	128.7	128.9	128.9	129.3	.....	129.0	128.7	128.5	128.3	.....
14	128.0	128.4	128.6	128.8	128.9	129.4	.....	129.2	128.6	128.2	128.2	.....
15	127.9	128.4	128.7	129.0	129.0	129.5	.....	129.2	128.6	128.3	128.5	.....
16	127.9	128.3	128.7	128.9	129.1	129.5	.....	129.1	128.5	128.4	128.5	.....
17	128.1	128.3	128.9	128.9	129.1	129.5	.....	129.1	128.6	128.3	128.3	.....
18	128.0	128.6	128.9	128.8	129.2	129.4	.....	129.0	128.8	128.2	128.4	.....
19	127.9	128.6	128.7	129.0	129.2	129.4	.....	129.1	128.6	128.3	128.5	.....
20	128.1	128.6	128.9	129.0	129.0	129.4	.....	129.0	128.5	128.4	128.4	.....
21	128.2	128.5	128.6	128.9	128.9	129.6	129.4	129.0	128.5	128.4	128.3	.....
22	128.3	.....	128.6	128.9	129.1	129.5	129.4	129.0	128.7	128.3	128.6	.....
23	128.2	.....	128.8	129.1	129.1	129.4	129.3	129.0	128.5	128.4	128.5	.....
24	128.2	.....	128.9	129.0	129.0	129.5	129.2	128.9	128.5	128.4	128.6	.....
25	128.2	.....	128.7	128.9	129.1	129.5	129.2	128.9	128.6	.....	128.6	.....
26	128.4	.....	128.7	128.9	129.0	129.4	129.3	129.0	128.6	.....	128.6	.....
27	128.4	.....	128.8	129.2	129.3	129.5	129.4	129.0	128.5	.....	128.6	.....
28	128.3	.....	128.9	129.1	129.4	129.4	129.3	128.9	128.4	.....	128.6	.....
29	128.2		128.7	128.9	129.0	129.5	129.3	128.9	128.5	.....	128.5	.....
30	128.1		128.9	129.0	129.0	129.3	129.3	128.9	128.6	.....	128.5	.....
31	128.1		129.1		129.0		129.3	128.9		.....		.....

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 42.5 below lsd, Aug. 31, 1955. Records available: 1943-55.

7N 2E-34ca1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	39.7	Apr. 27	39.0	July 20	40.9	Oct. 12	40.9
12	39.6	May 4	38.8	27	40.8	19	41.1
Feb. 16	39.6	11	39.0	Aug. 3	41.1	26	40.2
23	39.5	18	38.7	10	41.4	Nov. 2	40.9
Mar. 2	39.6	25	39.5	17	41.1	16	39.8
9	39.7	June 1	39.9	24	41.7	23	39.3
16	39.5	8	40.2	31	42.5	30	38.9
23	39.3	15	40.4	Sept. 7	42.3	Dec. 7	38.8
30	39.2	22	41.4	14	41.7	14	38.8
Apr. 6	39.3	29	39.5	21	40.2	21	38.3
13	39.1	July 6	40.2	26	40.5	28	38.0
20	38.9	13	40.0	Oct. 5	40.6		

Bonneville County

3N 41E-6cb1. Poplar Store. Dug domestic water-table well in gravel of Quaternary age, reported depth 86 feet. Land-surface datum is 5,024.6 feet above msl datum of 1929 (preliminary). Highest water level 33.5 below lsd, July 30, 1949; lowest 63.4 below lsd, Mar. 27, 1943. Records available: 1923, 1925, 1942-55. Water level influenced by local irrigation.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	50.9	Apr. 10	58.5	July 10	43.4	Oct. 16	41.4
9	51.7	16	58.5	17	42.1	23	42.5
16	54.6	May 1	57.7	24	41.0	30	43.3
23	53.1	8	57.2	31	40.0	Nov. 7	44.3
Feb. 4	54.1	14	56.6	Aug. 14	38.8	13	45.2
13	55.9	22	55.6	21	37.7	21	46.3
21	56.9	30	53.7	28	37.8	27	47.4
27	56.1	June 5	52.0	Sept. 5	38.2	Dec. 5	48.5
Mar. 6	56.3	12	51.0	17	38.0	15	49.3
15	56.9	19	48.8	25	38.2	19	50.6
26	57.7	26	45.9	Oct. 2	39.3	26	51.4
Apr. 3	59.1	July 3	44.1	9	40.5		

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 37.17 below lsd, Aug. 5, 1952; lowest 41.35 below lsd, Mar. 8, 1951. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	41.0	May 5	40.9	Sept. 14	40.0	Nov. 2	39.8
Feb. 16	40.4	Aug. 26	40.0	Oct. 18	40.3	Dec. 16	40.8

Canyon County

3N 2W-25aa1. John Hubbard. Drilled stock and domestic water-table well in alluvium of Quaternary age, diameter 6 inches, reported depth 34 feet, cased to 34, open bottom. Land-surface datum is 2,525.6 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 7.0 below lsd, Sept. 17, 1954; lowest 21.0 below lsd, Apr. 21, 1924. Records available: 1921, 1924-25, 1928, 1933-55. Mar. 16, 13.2; Apr. 27, 14.0; Oct. 19, 7.7.

2N 2W-13ba1. Jennings. Drilled unused water-table well in basalt and sand, diameter 6 inches, depth 93 feet, cased to 21. Land-surface datum is 2,583.7 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 48.37 below lsd, Sept. 10, 1948; lowest 57.04 below lsd, Mar. 1, 1949. Records available: 1948-55. Apr. 27, 52.7; Oct. 19, 50.3.

Cassia County

9S 25E-23db1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 8 to 6 inches, depth 174 feet, cased to 172, slot perforations below water level. Land-surface datum is 4,266.9 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 116.5 below lsd, Sept. 23, 25, 28, Oct. 1-3, 1951; lowest 126.6 below lsd, May 3-4, 1955. Records available: 1951-55. Formerly 9S 25E-23ca1.

9S 25E-23db1--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	122.4	123.8	125.1	126.1	126.3	125.5	124.1	122.2	120.4	119.6	120.0	121.0
2	122.5	124.0	125.1	126.0	126.4	125.6	124.1	122.1	120.3	119.6	120.3	121.1
3	122.7	124.0	125.2	126.1	126.6	125.5	124.0	122.0	120.3	119.5	120.2	121.3
4	122.7	124.1	125.3	126.2	126.6	125.5	124.0	121.9	120.2	119.5	120.2	121.4
5	122.8	124.0	125.4	126.3	126.5	125.4	124.0	121.9	120.2	119.6	120.3	121.4
6	122.9	124.2	125.5	126.4	126.5	125.4	124.0	121.9	120.1	119.8	120.4	121.4
7	122.9	124.3	125.5	126.4	126.4	125.4	124.0	121.8	120.0	119.7	120.6	121.6
8	122.8	124.2	125.4	126.4	126.4	125.4	123.9	121.6	119.9	119.6	120.6	121.7
9	122.9	124.2	125.3	126.4	126.5	125.4	123.7	121.6	119.9	119.6	120.5	121.7
10	122.9	124.5	125.4	126.4	126.5	125.3	123.8	121.6	119.9	119.5	120.3	121.8
11	123.0	124.5	125.4	126.4	126.5	125.2	123.7	121.5	119.8	119.7	120.3	121.9
12	123.2	124.5	125.5	126.5	126.4	125.2	123.7	121.4	119.8	119.8	120.4	121.7
13	123.0	124.4	125.5	126.4	126.3	125.1	123.6	121.3	119.7	119.8	120.4	121.8
14	123.2	124.5	125.6	126.4	126.2	125.0	123.6	121.3	119.7	119.6	120.4	122.0
15	123.1	124.5	125.7	126.5	126.3	125.0	123.4	121.2	119.7	119.7	120.7	121.9
16	123.1	124.6	125.6	126.4	126.3	125.0	.....	121.2	119.6	119.8	.....	121.8
17	123.3	124.5	125.7	126.4	126.3	124.9	.....	121.2	119.6	119.8	120.7	121.8
18	123.3	124.7	125.7	126.4	126.3	124.8	123.2	121.1	119.7	119.6	120.8	121.9
19	123.2	124.7	125.6	126.4	126.2	124.8	123.2	121.1	119.6	119.7	120.8	122.0
20	123.4	124.8	125.8	126.4	126.1	.....	123.1	121.0	119.6	119.8	120.8	122.1
21	123.5	124.8	125.8	126.4	126.0	124.7	123.0	121.0	119.6	119.8	120.8	122.1
22	123.6	124.8	125.8	126.4	126.0	124.6	123.0	120.9	119.6	119.8	121.0	121.9
23	123.6	124.9	125.9	126.5	125.9	124.5	122.8	120.9	119.6	120.0	121.0	121.8
24	123.7	124.8	125.9	126.4	125.8	.....	122.7	120.8	119.6	120.0	121.2	122.1
25	123.7	124.8	126.0	126.4	125.8	.....	122.6	120.7	119.6	119.9	121.2	122.3
26	123.8	124.8	126.1	126.4	125.7	.....	122.6	120.7	119.6	119.8	121.2	122.2
27	123.9	124.8	126.0	126.5	125.8	.....	122.5	120.7	119.6	120.0	121.3	122.3
28	123.9	125.0	126.0	126.4	125.9	124.2	122.4	120.6	119.6	120.0	121.3	122.4
29	123.8		126.0	126.4	125.7	124.2	122.4	120.5	119.6	120.1	121.2	122.6
30	123.8		126.1	126.4	125.6	124.1	122.3	120.5	119.6	119.8	121.2	122.6
31	123.8		126.2		125.5		122.2	120.4		120.0		122.4

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, 1948-55. Jan. 18, 160.2; Mar. 22, 163.8; May 18, 163.6; July 14, 161.0; Sept. 20, 156.8; Nov. 4, 157.4.

11S 26E-26cc1. Robert Simplot. Dug unused water-table well in sand and gravel of Quaternary age, diameter 36 inches, depth 33 feet, cribbed with rock to 33. Land-surface datum is 4,401.2 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 27.28 below lsd, Sept. 21, 1955; lowest 32.22 below lsd, Sept. 25, 1948. Records available: 1928, 1948-55. Jan. 19, 29.10; Mar. 22, 29.15; May 18, 29.30; July 14, 29.62; Sept. 21, 27.28; Nov. 4, 29.25.

13S 22E-9dc1. Crane. Dug unused water-table well in sand and gravel of Quaternary age, diameter 4 1/3 feet, depth 112 feet, cribbed with concrete and rock to 112. Highest water level 63.10 below lsd, Aug. 28, 1951; lowest 102.37 below lsd, May 18, 1955. Records available: 1948-55. Jan. 19, 87.18; Mar. 23, 91.18; May 18, 102.37; July 14, 99.08; Sept. 22, 100.92; Nov. 4, 99.60.

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 9.30 below lsd, Jan. 19, 1955. Records available: 1941-55. Jan. 19, 9.30; Mar. 22, 8.73; May 18, 8.21; July 14, 8.45; Sept. 21, 8.93; Nov. 4, 8.87.

13S 27E-30bd1. A. D. Pierce. Dug irrigation water-table well in alluvial gravel of Quaternary age, diameter 6 feet, depth 27 feet, concrete casing to 27, perforations below water level. Land-surface datum is 4,541.6 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Water-level measurements erroneously reported 1.8 feet low in 1954. Highest water level 3.54 below lsd, June 8, 1949; lowest 11.29 below lsd, Nov. 18, 1954. Records available: 1947-55. Jan. 19, 16.05, pumping; Mar. 22, 15.99, pumping; May 18, 16.10, pumping; July 14, 20.45, pumping; Sept. 21, 20.68, pumping; Nov. 4, 11.17.

14S 27E-33ca1. Harold Oman. Drilled irrigation water-table well, diameter 12 inches, reported depth 265 feet. Land-surface datum is 4,690.6 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 15.50 below lsd, May 19, 1953; lowest 23.27 below lsd, July 14, 1955. Records available: 1948-55. Jan. 19, 22.05; Mar. 22, 21.62; May 18, 21.96; July 14, 23.27; Sept. 21, 22.50; Nov. 4, 42.43, pumping.

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 dry, Mar. 22, May 18, Nov. 4, 1955. Records available: 1948-55. Jan. 19, 32.51; Mar. 22, dry; May 18, dry; July 14, 30.57; Sept. 21, 32.57; Nov. 4, dry.

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 several times, 1950, 1953-55. Records available: 1936, 1938-55. Jan. 19, dry; Mar. 22, dry; May 18, dry; July 14, dry; Sept. 21, 24.06; Nov. 4, 24.75.

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 31.60 below lsd, July 11, 1955. Records available: 1947-51, 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 18	29.57	June 14	31.51	Sept. 8	31.54	Nov. 16	29.97
Mar. 24	29.37	July 11	31.60	Oct. 20	30.25	Dec. 14	30.02

Gem County

7N 2W-35ab1. R. J. Howard. Dug domestic water-table well in alluvial sand and gravel, diameter 36 inches, depth 99 feet, cased with concrete. Highest water level 67.6 below lsd, Nov. 3, 1941; lowest 82.7 below lsd, May 11, 1955. Records available: 1941-42, 1948-55. Water level influenced by local irrigation.

Jan. 4	77.9	Mar. 23	80.7	June 29	81.7	Sept. 22	77.6
11	78.4	Apr. 13	81.7	July 7	81.4	Oct. 9	77.0
18	78.8	20	82.1	14	81.0	20	76.5
26	79.1	27	81.8	28	80.5	26	77.1
Feb. 9	79.6	May 11	82.7	Aug. 3	80.2	Nov. 3	75.7
16	80.0	19	82.6	10	80.0	8	75.2
23	80.4	25	82.3	22	79.5	30	74.5
Mar. 1	80.0	June 1	82.3	30	79.2	Dec. 8	74.4
8	80.0	16	82.2	Sept. 7	78.6	14	75.0
16	80.4	23	82.0	14	78.1	27	76.0

Jefferson County

8N 36E-9db1. E. Motel. Drilled stock and domestic water-table well in Snake River basalt, diameter 6 inches, reported depth 67 feet. Land-surface datum is about 4,840 feet above msl. Highest water level 46.6 below lsd, Nov. 16, 1929; lowest 51.86 below lsd, July 26, 1954. Records available: 1929, 1949-55. Jan. 13, 49.81; Feb. 10, 50.42; May 11, 50.55.

7N 33E-35bb1. Stewart Bros. Dug stock and domestic water-table well in sand of Tertiary age, diameter 30 inches, depth 47 feet, concrete casing to 40. Land-surface datum is about 4,784.2 feet above msl datum of 1948 (preliminary). Highest water level 12.63 below lsd, Oct. 25, 1955; lowest 36.14 below lsd, Feb. 12, 1950. Records available: 1949-55. Jan. 13, 22.16; Feb. 14, 24.44; Mar. 11, 24.84; May 11, 22.91; Oct. 25, 12.63.

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, 1949-55. Jan. 13, 13.36; Feb. 10, 13.75; May 11, 14.00; Oct. 26, 14.38.

7N 37E-14cb1. Hillman Bros. Drilled stock and domestic water-table well in Snake River basalt, diameter 6 inches, depth 93 feet. Highest water level 70.3 below lsd, June 30, 1922; lowest 75.91 below lsd, July 18, 1951. Records available: 1922, 1929, 1949-54. Measurement discontinued.

6N 33E-2ba1. Stewart Bros. Drilled stock water-table well in Snake River basalt and sand interflow beds, diameter 8 inches, reported depth 245 feet, cased to 100. Land-surface datum is about 4,783 feet above msl datum of 1929 (preliminary). Highest water level 195.73 below lsd, Sept. 29, 1954; lowest 202.93 below lsd, Dec. 16, 1953. Records available: 1949-55. Jan. 13, 196.05; Feb. 14, 196.38; May 11, 198.03; Oct. 25, 197.42.

5N 34E-9bd1. U. S. Geol. Survey. Drilled observation water-table well in Snake River basalt, diameter 6 to 4 inches, depth 553 feet, cased to 322, perforations below water level. Land-surface datum is 4,791.3 feet above msl datum of 1929 (preliminary). Highest water level 253.6 below lsd, Jan. 17, 1954; lowest 258.2 below lsd, Aug. 10, 14-15, 29-30, Sept. 1, 5, 1955. Records available: 1950-55. Water levels affected by barometric pressure.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	254.2	254.2	254.4	.....	255.5	256.4	257.3	258.0	258.2	257.7	256.9	256.0
2	254.3	254.3	254.8	.....	255.6	256.6	257.4	258.0	258.1	257.6	.....	255.9
3	254.3	254.3	.....	.....	255.7	256.6	257.4	258.0	258.1	257.4	256.9	256.1
4	254.4	254.4	.....	.....	255.8	256.6	257.3	258.0	258.1	257.5	256.8	256.2
5	254.5	254.3	.....	.....	255.7	256.6	257.4	258.1	258.2	257.8	256.9	256.0
6	254.5	254.5	.....	255.2	255.7	256.6	257.4	258.1	258.1	257.7	256.8	256.0
7	254.4	254.4	.....	255.2	255.7	256.7	257.5	258.1	258.0	257.5	257.0	256.1
8	254.3	254.2	.....	255.2	255.6	256.8	257.4	258.1	258.0	257.5	256.9	256.1
9	254.3	254.4	.....	255.2	255.9	256.8	257.4	258.1	258.1	257.4	256.8	255.9
10	254.2	254.6	.....	255.1	255.9	256.8	257.5	258.2	258.1	257.4	256.3	256.1
11	254.3	254.6	.....	255.2	255.9	256.8	257.5	258.1	258.0	257.6	256.4	256.1
12	254.5	254.4	.....	255.3	255.9	256.7	257.7	258.0	258.0	257.6	256.5	.....
13	254.2	254.6	.....	255.2	255.9	256.8	257.7	258.1	258.0	257.4	256.4	255.9
14	254.3	254.5	.....	255.2	255.8	256.8	257.7	258.2	257.9	.....	256.3	256.1
15	254.2	254.4	.....	255.2	256.0	.....	257.7	258.2	257.9	.....	256.4	255.9
16	254.2	254.4	.....	255.2	256.1	256.9	257.7	258.1	257.8	.....	256.5	255.7
17	254.3	254.2	.....	255.2	256.1	257.0	257.7	258.1	257.9	257.3	256.4	255.6
18	254.2	254.4	.....	255.1	256.2	257.0	257.7	258.1	257.9	257.2	256.4	255.7
19	254.1	254.4	.....	255.3	256.2	257.0	257.8	258.1	257.8	257.2	256.4	255.8
20	254.2	254.5	.....	255.3	256.1	257.0	257.8	258.1	257.8	257.3	256.3	255.9
21	254.4	254.5	.....	255.2	256.1	257.1	257.8	258.1	257.9	257.3	256.2	255.7
22	254.5	254.4	.....	255.2	256.2	257.1	257.9	258.1	257.9	257.2	256.3	255.5
23	254.4	254.6	.....	255.4	256.2	257.0	257.8	258.1	257.8	257.4	256.2	255.3
24	254.4	254.3	.....	255.4	256.2	257.1	257.8	258.1	257.8	257.3	256.4	255.6
25	254.4	254.3	.....	255.3	256.2	257.2	257.8	258.1	257.8	257.0	256.3	255.8
26	254.5	254.2	.....	255.4	256.2	257.2	257.9	258.1	257.8	257.0	256.3	255.6
27	254.5	254.2	.....	255.5	.....	257.2	257.9	258.1	257.7	.....	256.4	255.6
28	254.5	254.4	.....	255.5	256.5	257.2	257.9	258.1	257.8	257.0	256.4	255.7
29	254.4		.....	255.5	256.4	257.2	257.9	258.2	257.8	257.0	256.2	255.8
30	254.3		.....	255.6	256.2	257.2	257.9	258.2	257.8	256.7	256.1	255.8
31	254.2		.....		256.3		258.0	258.1		256.8		255.5

5N 36E-22aa1. O. W. Robinson. Drilled stock water-table well in Snake River basalt, diameter 6 inches, depth 240 feet. Land-surface datum is about 4,760 feet above msl. Highest water level 204.92 below lsd, Jan. 17, 1951, June 24, 1954; lowest 209.20 below lsd, Apr. 1, 1953. Records available: 1929, 1949-55. Jan. 13, 205.13; Feb. 15, 206.03; May 11, 207.37.

5N 36E-23cb1. George Lake. Dug stock and domestic water-table well in sand of Quaternary age, diameter 36 inches, depth 29 feet, cribbed with stone to 29. Land-surface datum is about 4,761 feet above msl. Highest water level 3.75 below lsd, Oct. 23, 1952; lowest 20.0 below lsd, Nov. 7, 1929. Records available: 1922, 1929, 1949-55. Jan. 13, 9.94; Feb. 15, 12.28; May 11, 14.79.

Jerome County

9S 20E-1da1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 8 to 6 inches, depth 400 feet, 8-inch casing to 12, perforated 6-inch casing liner from 340 to 400. Land-surface datum is 4,209.3 feet above U. S. Bureau of Reclamation datum. Highest water level 342.0 below lsd, Sept. 30, Oct. 1, 1953; lowest 350.3 below lsd, Apr. 3, 1951. Records available: 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	345.8	346.9	347.8	348.7	349.4	349.2	347.2	346.3	345.6	345.2	346.0	.....
2	346.0	347.0	347.8	348.6	349.5	349.2	347.2	346.2	345.5	345.2	346.1	.....
3	346.0	347.0	347.8	348.6	349.5	349.1	347.0	346.2	345.5	345.1	346.1	.....
4	346.1	347.1	348.0	348.8	349.6	349.1	347.0	346.2	345.5	345.1	346.1	.....
5	346.1	347.1	348.0	348.8	349.6	349.0	347.0	346.1	345.6	345.3	346.2	.....

9S 20E-1da1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	346.2	347.2	348.1	348.9	349.6	349.0	346.9	346.2	345.5	345.4	346.2	.....
7	346.2	347.2	348.1	348.9	349.6	349.0	346.9	346.1	345.4	345.2	346.4	.....
8	346.2	347.2	348.0	349.0	349.5	348.9	346.9	346.1	345.4	345.3	346.4	.....
9	346.2	347.2	348.0	349.0	349.8	348.8	346.7	346.1	345.5	345.2	346.4	.....
10	346.2	347.4	348.0	349.0	349.7	348.7	346.7	346.1	345.5	345.2	346.1	.....
11	346.3	347.4	348.1	349.1	349.7	348.6	346.6	346.0	345.4	345.4	346.2	.....
12	346.4	347.4	348.1	349.1	349.6	348.6	346.7	345.9	345.4	345.4	346.3	.....
13	346.3	347.4	348.1	349.1	349.6	348.5	346.7	345.9	345.4	345.4	346.2	.....
14	346.4	347.4	348.2	349.1	349.5	348.5	346.7	345.9	345.3	345.4	346.3	.....
15	346.3	347.4	348.3	349.2	349.6	348.4	346.7	345.9	345.2	345.4	346.5	.....
16	346.3	347.4	348.3	349.1	349.6	348.4	346.6	345.8	345.2	345.5	.....	.....
17	346.5	347.4	348.4	349.1	349.6	348.3	346.5	345.9	345.2	345.5	.....	.....
18	346.4	347.6	348.3	349.1	349.7	348.3	346.5	345.8	345.3	345.5	.....	.....
19	346.4	347.6	348.3	349.3	349.6	348.2	346.5	345.8	345.3	345.5	.....	.....
20	346.5	347.6	348.4	349.2	349.6	348.1	346.5	345.8	345.2	345.6	.....	.....
21	346.7	347.6	348.4	349.2	349.5	348.1	346.5	345.8	345.2	345.6	.....	.....
22	346.7	347.6	348.4	349.2	349.4	348.0	346.5	345.7	345.2	345.7	.....	.....
23	346.7	347.7	348.4	349.4	349.4	347.8	346.4	345.7	345.2	345.9	.....	.....
24	346.7	347.6	348.4	349.3	349.4	347.8	346.3	345.6	345.1	345.8	.....	.....
25	346.8	347.6	348.6	349.3	349.4	347.6	346.3	345.6	345.2	345.8	.....	.....
26	346.9	347.6	348.6	349.4	349.3	347.6	346.3	345.6	345.2	345.7	.....	.....
27	346.9	347.6	348.6	349.5	349.4	347.5	346.3	345.6	345.1	346.0	.....	.....
28	346.9	347.8	348.5	349.5	349.5	347.4	346.3	345.6	345.2	345.9	.....	.....
29	346.9		348.6	349.4	349.3	347.4	346.3	345.6	345.2	346.0	.....	.....
30	346.9		348.6	349.5	349.2	347.3	346.2	345.6	345.2	345.8	.....	.....
31	346.9		348.8		349.2		346.2	345.6		345.9		.....

10S 20E-5bb1. Formerly 5ba1. Ezra Walker. Drilled unused water-table well in Snake River basalt, diameter 6 inches, depth 325 feet, cased to rock at shallow depth. Land-surface datum is about 4,098 feet above msl. Highest water level 241.3 below lsd, Sept. 28, Oct. 1, 1953; lowest 269.6 below lsd, Aug. 1, 1929. Records available: 1929, 1949-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	246.1	.....	248.4	249.5	250.4	249.8	.....	245.8	244.9	244.5	245.6	246.7
2	246.2	.....	248.4	249.3	250.4	249.8	.....	245.8	244.9	244.4	245.8	246.7
3	246.3	.....	248.5	249.4	250.5	249.8	.....	245.8	244.8	244.3	245.9	246.9
4	246.4	247.8	248.6	249.5	250.6	249.7	.....	245.7	244.8	244.3	245.8	247.1
5	246.6	247.8	248.8	249.6	250.6	249.6	.....	245.7	244.8	244.4	245.9	247.0
6	246.7	.....	248.9	249.7	250.6	249.5	.....	245.7	244.8	244.6	246.0	247.0
7	246.7	.....	248.9	249.7	250.6	249.5	.....	245.7	244.8	244.6	246.2	247.2
8	246.7	.....	248.8	249.8	250.5	249.4	.....	245.7	244.6	244.5	246.2	247.3
9	246.6	.....	248.7	249.8	250.6	249.3	.....	245.6	244.6	244.5	246.2	247.3
10	.....	.....	248.7	249.7	250.7	249.2	.....	245.6	244.7	244.4	246.0	247.3
11	.....	.....	248.7	249.8	250.7	249.0	.....	245.5	244.7	244.6	245.8	247.5
12	.....	.....	248.8	249.9	250.7	248.8	.....	245.4	244.6	244.8	245.9	247.4
13	.....	.....	248.8	249.8	250.6	248.7	.....	245.3	244.6	244.9	245.9	247.5
14	.....	.....	248.9	249.8	250.5	248.6	246.3	245.3	244.5	244.8	245.9	247.6
15	.....	.....	249.0	249.9	250.5	248.6	246.2	245.3	244.5	244.8	246.0	247.6
16	.....	.....	249.1	249.9	250.6	248.5	246.2	245.2	244.4	244.9	246.2	247.5
17	.....	.....	249.1	249.8	250.6	248.4	246.1	245.2	244.4	245.0	246.2	247.5
18	247.0	.....	249.1	249.8	250.7	248.2	246.1	245.1	244.5	245.0	246.3	247.5
19	247.0	.....	249.0	249.9	250.7	248.1	246.1	245.1	244.5	245.0	246.3	247.5
20	.....	.....	249.1	250.0	250.6	248.0	246.1	245.1	244.4	245.1	246.3	247.7
21	.....	.....	249.2	250.0	250.4	247.9	246.1	245.1	244.4	245.2	246.3	247.7
22	.....	.....	249.0	250.0	250.4	.....	246.1	245.0	244.5	245.2	246.5	247.7
23	.....	248.4	249.1	250.2	250.4	.....	246.1	245.0	244.4	245.4	246.5	247.7
24	.....	248.4	249.1	250.2	250.3	.....	246.0	244.9	244.4	245.5	246.6	247.7
25	.....	248.3	249.3	250.2	250.3	.....	245.9	244.8	244.4	245.5	246.7	247.7
26	.....	248.2	249.4	250.1	250.2	.....	245.9	244.9	244.4	245.3	246.8	247.7
27	.....	248.2	249.4	250.4	250.2	.....	245.9	244.8	244.5	245.6	246.9	247.8
28	.....	248.4	249.3	250.4	250.4	.....	245.9	244.9	244.4	245.6	246.9	247.9
29	.....		249.3	250.3	250.2	.....	245.9	244.8	244.4	245.8	246.9	248.0
30	.....		249.4	250.4	250.0	.....	245.8	244.8	244.5	245.5	246.9	248.1
31	.....		249.6		249.8		245.8	244.8		245.5		248.0

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: 1929-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	456.2	Apr. 11	458.6	July 4	457.7	Oct. 10	457.5
10	456.3	18	458.7	18	457.5	17	457.7
17	456.6	25	458.9	Aug. 1	457.3	24	457.8
24	456.7	May 2	459.0	8	457.3	31	457.9
31	456.8	9	459.1	15	458.3	Nov. 7	458.0
Feb. 7	457.0	16	459.0	22	457.3	14	458.2
14	457.2	23	459.0	29	457.3	21	458.4
28	457.6	30	458.8	Sept. 5	457.3	28	458.4
Mar. 7	457.8	June 6	458.6	12	457.4	Dec. 5	458.5
14	457.9	13	458.4	19	457.4	12	458.6
21	458.1	20	458.1	26	457.5	19	458.8
28	458.3	27	457.9	Oct. 3	457.5	26	458.7
Apr. 4	458.5						

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 373.6 below lsd, Apr. 27, 1955. Records available: 1948-53, 1955. Apr. 27, 373.6; Aug. 20, 356.7; Oct. 28, 360.2; Dec. 18, 371.0.

53N 2W-3bc1. Idaho Department of Fish and Game. Drilled public-supply water-table well in fluvioglacial gravel of Pleistocene age, diameter 18 inches, depth 331 feet, cased to 331, perforations 266-326. Land-surface datum is 2,269.1 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 202 below lsd, May 26, 1949; lowest 228 below lsd, Nov. 14, 1944. Records available: 1943-55. Jan. 1, 212; Jan. 6, 212; Apr. 27, 219.

53N 2W-8cc1. Idaho Department of Fish and Game. Drilled unused water-table well in fluvioglacial gravel of Pleistocene age, diameter 12 inches. Land-surface datum is 2,440.5 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 383.4 below lsd, Sept. 17, 1952; lowest 395.3 below lsd, Feb. 25, 1954. Records available: 1950-55. June 22, 389.3; Aug. 20, 386.3; Oct. 28, 386.9; Dec. 18, 388.4.

53N 2W-9aa1. Idaho Department of Fish and Game. Drilled unused water-table well in fluvioglacial gravel and sand of Pleistocene age, diameter 16 inches, depth 351 feet, cased to 351, perforations 280-345. Land-surface datum is 2,291.5 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 228 below lsd, June 8, 1948; lowest 252 below lsd, Jan. 2, Oct. 30, 1944. Records available: 1943-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	233.5	233.8	234.0	236.2	239.9	237.8	233.3	232.3	231.8	232.4	233.6	233.4
2	233.5	233.8	234.0	236.4	240.0	237.7	233.3	232.3	231.8	232.5	233.5	233.4
3	233.5	233.8	234.0	236.7	240.0	237.7	233.2	232.3	231.8	232.6	233.4	233.5
4	233.5	233.8	234.0	237.0	240.0	237.6	233.2	232.3	231.8	232.7	233.5	233.5
5	233.5	233.8	234.0	237.3	240.0	237.6	233.1	232.3	231.8	232.8	233.3	233.6
6	233.6	233.8	234.0	237.6	240.0	237.5	233.0	232.2	231.8	233.0	233.2	233.6
7	233.6	233.8	234.1	237.9	240.0	237.5	233.0	232.2	231.8	233.1	233.1	233.6
8	233.6	233.8	234.1	238.1	239.9	237.4	233.0	232.1	231.8	233.2	233.0	233.7
9	233.6	233.8	234.2	238.3	239.9	237.3	232.9	232.1	231.8	233.4	233.0	233.8
10	233.6	233.8	234.2	238.6	239.9	237.2	232.8	232.1	231.8	233.5	232.8	233.8
11	233.6	233.8	234.2	238.8	239.8	237.0	232.8	232.1	231.8	233.6	232.7	233.8
12	233.6	233.8	234.2	238.9	239.8	236.8	232.8	232.1	231.8	233.6	232.6	233.9
13	233.6	233.8	234.3	.....	239.6	236.6	232.7	232.1	231.8	233.7	232.6	233.9
14	233.6	233.8	234.3	.....	239.5	236.4	232.7	232.1	231.8	233.7	232.6	234.0
15	233.6	233.8	234.4	.....	239.3	236.2	232.6	232.0	231.8	233.7	232.6	234.0
16	233.6	233.8	234.4	.....	239.2	235.9	232.6	232.0	231.8	233.7	232.6	234.1
17	233.6	233.9	234.5	.....	239.1	235.6	232.6	232.0	231.8	233.7	232.7	234.1
18	233.6	233.9	234.6	.....	239.0	235.3	232.6	232.0	231.8	233.7	232.7	234.2
19	233.6	233.9	234.6	.....	238.9	235.0	232.6	232.0	231.8	233.7	232.8	234.2
20	233.6	233.9	234.7	.....	238.9	234.8	232.6	232.0	231.8	233.7	232.8	234.2

53N 2W-9aa1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	233.7	233.9	234.8	.....	238.8	234.5	232.6	232.0	231.8	233.8	232.9	234.2
22	233.7	233.9	234.8	.....	238.7	234.3	232.5	232.0	231.8	233.8	232.9	234.1
23	233.7	233.9	234.9	.....	238.6	234.1	232.4	232.0	231.8	233.7	233.0	234.0
24	233.7	233.9	235.0	.....	238.4	233.9	232.4	232.0	231.8	233.7	233.0	234.0
25	233.7	233.9	235.0	.....	238.2	233.7	232.3	231.9	231.9	233.7	233.1	233.8
26	233.8	233.9	235.1	.....	238.1	233.6	232.4	231.9	232.0	233.7	233.1	233.8
27	233.8	234.0	235.2	239.7	238.0	233.5	232.4	231.9	232.1	233.7	233.2	233.7
28	233.8	234.0	235.4	239.8	237.9	233.4	232.4	231.9	232.2	233.7	233.2	233.6
29	233.8		235.5	239.8	237.9	233.4	232.3	231.9	232.3	233.7	233.3	233.5
30	233.8		235.7	239.8	237.8	233.3	232.3	231.8	232.4	233.6	233.3	233.4
31	233.8		235.9		237.8		232.3	231.8		233.6		233.3

52N 4W-35dc1. Elvin Wood. Dug stock and domestic water-table well in fluvioglacial gravel of Pleistocene age, diameter 6 inches, depth 305 feet, cased to 305, open bottom. Land-surface datum is 2,314.0 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 291.4 below lsd, Oct. 25, 1950; lowest 315.3 below lsd, Dec. 18, 1955. Records available: 1948-55. Feb. 24, 298.5; Apr. 27, 308.6; June 22, 307.8; Dec. 18, 315.3.

51N 5W-21da1. Bob Bowen. Dug and drilled stock and domestic water-table well in fluvioglacial gravel of Pleistocene age, diameter 4 inches, depth 190 feet, cased to 190, open bottom. Land-surface datum is 2,159.5 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 154.1 below lsd, Aug. 15, 1951; lowest 175.5 below lsd, Nov. 27, 1941. Records available: 1941, 1948-53. Measurement discontinued.

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 151.8 below lsd, Apr. 27, 1955. Records available: 1948-55. Feb. 24, 151.0; Apr. 27, 151.8; June 22, 149.0; Aug. 20, 148.6; Oct. 28, 149.9; Dec. 18, 150.3.

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, 1948-55. Apr. 27, 123.9; Oct. 28, 124.4.

51N 5W-33bb1. Washington Water Power Co. well 58. Spokane International Ry. Co. Dug railroad water-table well in fluvioglacial gravel of Pleistocene age, diameter 5 feet, depth 174 feet, concrete casing to 174, open bottom. Land-surface datum is 2,137.6 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 134.1 below lsd, June 29, 1950; lowest 166.6 below lsd, Feb. 11, 1932. Records available: 1928-55. Mar. 29, 150.7; Apr. 27, 150.1; June 22, 146.5; Aug. 20, 147.5, pumping.

51N 4W-7bc1. Ralph Preuninger. Drilled unused water-table well in fluvioglacial gravel and sand of Pleistocene age, diameter 8 to 5 inches, depth 283 feet. Land-surface datum is 2,267.1 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 251.6 below lsd, Aug. 16, 1951; lowest 272.4 below lsd, July 22, 1942. Records available: 1942, 1948-55. Feb. 24, 263.1; Apr. 27, 264.4; June 22, 262.9; Oct. 28, 262.3.

51N 4W-10cc1. Kootenai County. Drilled unused water-table well in fluvioglacial gravel of Pleistocene age, diameter 4 inches, depth 305 feet. Land-surface datum is 2,288.0 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 269.2 below lsd, Aug. 31, 1950; lowest 291.5 below lsd, Nov. 5, 1941. Records available: 1941, 1948-55. Feb. 24, 281.2; Apr. 27, 283.6; June 22, 282.4; Aug. 20, 281.2; Oct. 28, 281.5.

51N 4W-18dc1. Clarence Feely. Drilled unused water-table well in fluvioglacial sand and gravel of Pleistocene age, diameter 6 inches, depth 275 feet, cased to 275. Land-surface datum is 2,260.7 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 244.8 below lsd, Sept. 1, 1950; lowest dry at 278.0 below lsd, Nov. 28, 1941. Records available: 1941, 1948-55. Feb. 24, 257.9; Apr. 27, 259.5; June 22, 257.7; Aug. 20, 256.5; Oct. 28, 257.0.

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, 1948-55. Feb. 24, 260.2. Measurement discontinued.

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: 1929-55. Feb. 24, 191.9; Apr. 27, 193.3; June 22, 191.4; Aug. 20, 188.2; Oct. 28, 189.5; Dec. 18, 190.9.

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 85.65 below lsd, Oct. 4, 1955. Records available: 1937-40, 1947-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	80.18	June 22	84.25	Aug. 3	84.30	Nov. 1	84.69
Apr. 26	82.12	July 7	83.59	Oct. 4	85.65	Dec. 7	85.38

39N 5W-10ac1. U. S. Geol. Survey. Driven observation water-table well in alluvial sand and gravel of Quaternary age, diameter 1¼ 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, 1947-55.

Jan. 4	13.92	June 22	13.72	Aug. 3	15.07	Nov. 1	16.11
Apr. 26	11.42	July 7	14.29	Oct. 4	15.89	Dec. 7	14.83

Minidoka County

8S 23E-2ba1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 8 to 6 inches, reported depth 254 feet, 8-inch casing to 18, perforated 6-inch casing from 194-254. Land-surface datum is 4,313.6 feet above U. S. Bureau of Reclamation datum. Highest water level 197.6 below lsd, Dec. 4, 1953; lowest 203.4 below lsd, Aug. 8, 1955. Records available: 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	199.2	199.3	200.8	202.2	203.2	.....	202.1	200.6	.....
2	.....	198.9	198.9	199.0	199.4	.....	202.3	203.2	.....	202.1	200.6	.....
3	.....	.....	198.9	199.1	199.5	.....	202.3	203.2	.....	202.0	200.7	.....
4	.....	.....	199.1	199.2	199.6	.....	202.2	203.2	.....	201.9	.....	.....
5	198.8	.....	199.2	199.3	199.5	.....	202.3	203.2	.....	201.8	200.7	.....
6	198.9	.....	199.3	199.4	199.5	.....	202.3	203.3	.....	201.8	200.6	.....
7	198.8	.....	199.2	199.4	199.4	.....	202.4	203.3	.....	201.7	200.7	200.4
8	198.8	.....	199.1	199.3	199.4	.....	202.4	203.4	.....	202.0	.....	.....
9	198.7	.....	198.9	199.3	199.6	.....	202.4	203.3	.....	202.0	200.7	.....
10	198.6	.....	198.9	199.2	199.6	.....	202.4	203.3	.....	201.9	200.4	.....
11	198.7	.....	199.0	199.3	199.6	.....	.....	203.3	.....	201.7	200.2	.....
12	198.9	.....	199.0	199.4	199.6	.....	.....	203.3	.....	.....	200.2	.....
13	198.7	.....	199.0	199.3	199.6	.....	.....	203.3	.....	201.6	.....	.....
14	198.8	.....	199.1	199.2	199.6	.....	.....	203.2	202.5	201.4	200.1	.....
15	198.6	.....	199.2	199.2	199.7	.....	.....	203.2	202.5	201.3	200.1	.....
16	198.6	.....	199.1	199.3	199.8	.....	.....	203.2	202.5	201.4	200.1	.....
17	198.8	.....	199.2	199.2	199.9	.....	.....	203.2	202.4	201.3	.....	.....
18	198.6	.....	199.1	199.1	.....	.....	.....	203.2	202.5	201.2	.....	.....
19	198.6	.....	199.0	199.1	.....	.....	.....	203.2	202.5	201.1	.....	.....
20	198.8	.....	199.2	199.2	.....	.....	202.9	203.2	202.4	201.0	.....	.....
21	199.0	.....	199.1	199.2	.....	.....	203.0	203.2	202.4	201.1	.....	.....
22	199.0	.....	199.1	199.2	.....	201.9	203.0	203.1	202.3	201.1	.....	.....
23	198.9	.....	199.1	199.2	.....	201.8	203.0	203.0	202.4	201.0	.....	.....
24	198.9	.....	199.4	199.4	.....	201.9	203.0	203.0	202.3	201.2	.....	.....
25	199.0	.....	199.4	199.3	.....	202.0	202.9	203.0	202.2	201.2	.....	.....
26	199.1	.....	.....	199.2	200.4	202.0	202.9	203.1	202.2	201.0	.....	.....
27	199.0	.....	.....	199.4	200.6	202.1	203.0	.....	202.2	200.7	.....	.....
28	.....	.....	.....	199.4	200.8	202.0	203.1	.....	202.2	200.9	.....	.....
29	.....		.....	199.3	200.7	202.1	203.1	.....	202.0	200.9	.....	.....
30	.....		199.2	199.3	200.4	202.1	203.1	.....	202.1	200.9	.....	.....
31	.....		199.4		200.5		203.1	.....		200.7		.....

8S 23E-27bd1. U. S. Bureau of Reclamation well C. Drilled irrigation water-table well in Snake River basalt, diameter 20 inches, depth 260 feet, cased to 21. Land-surface datum is 4,284.5 feet above U. S. Bureau of Reclamation datum. Highest water level 176.7 below lsd, Dec. 1, 1953; lowest 185.6 below lsd, June 29, 1951. Records available: 1948-55. Sept. 20, 180.2.

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

8S 24E-11ba1. U. S. Bureau of Reclamation well A. Drilled irrigation water-table well in Snake River basalt, diameter 20 inches, depth 225 feet, cased to 50. Land-surface datum is 4,300.6 feet above U. S. Bureau of Reclamation datum. Highest water level 161.8 below lsd, Oct. 28, 1953; lowest 164.8 below lsd, Apr. 22, 1949. Records available: 1948-55. Jan. 18, 163.3; Mar. 22, 163.8; May 17, 164.6, nearby well being pumped; July 13, 166.3, pumping, nearby well being pumped; Sept. 20, 165.3, pumping; Nov. 3, 164.6.

8S 24E-31dc1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 8 to 6 inches, reported depth 194 feet, cased to 188, perforations 158-188. Land-surface datum is 4,276.5 feet above U. S. Bureau of Reclamation datum. Highest water level 140.5 below lsd, Oct. 18, 24, Nov. 5, 1953; lowest 145.2 below lsd, June 9, 1955. Records available: 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	142.6	143.3	143.8	144.1	144.4	145.0	144.8	144.7	143.7	143.2	143.2	143.5
2	142.8	143.4	143.7	143.9	144.5	145.1	144.8	144.6	143.7	143.2	143.4	143.6
3	142.9	143.4	143.8	144.0	144.7	145.1	144.8	144.5	143.6	143.0	143.4	143.7
4	142.9	143.5	143.8	144.1	144.7	145.1	144.8	144.5	143.6	143.1	143.3	143.9
5	143.0	143.4	144.0	144.3	144.6	145.0	144.8	144.5	143.6	143.3	143.4	143.8
6	143.1	143.6	144.1	144.4	144.7	145.1	144.7	144.6	143.5	143.4	143.4	143.7
7	143.0	143.6	144.1	144.3	144.6	145.1	144.8	144.5	143.4	143.4	143.6	144.2
8	143.0	143.5	143.8	144.3	144.5	145.1	144.8	144.3	143.3	143.2	143.6	144.0
9	142.8	143.5	143.7	144.3	144.8	145.2	144.7	144.4	143.4	143.1	143.5	144.2
10	142.8	143.6	143.8	144.2	144.8	145.1	144.8	144.4	143.5	142.9	143.1	144.2
11	143.0	143.8	143.8	144.3	144.7	145.0	144.8	144.3	143.4	143.3	143.1	144.2
12	143.3	143.5	143.8	144.4	144.7	145.0	144.9	144.1	143.3	143.3	143.3	144.0
13	143.0	143.7	143.9	144.3	144.6	145.0	145.0	144.1	143.3	143.3	143.1	144.1
14	143.1	143.7	144.0	144.3	144.7	145.0	145.0	144.1	143.4	143.1	.....	.....
15	143.0	143.6	144.1	144.3	144.8	.....	144.9	144.0	143.4	143.1	.....	.....
16	143.0	143.6	144.0	144.3	144.8	.....	144.8	144.0	143.3	143.2	.....	.....
17	143.2	143.4	144.1	144.2	145.0	.....	144.8	144.0	143.3	143.2	.....	.....
18	143.0	143.6	143.9	144.2	145.0	.....	144.8	144.0	143.3	143.0	.....	.....
19	143.0	143.7	143.8	144.4	145.0	.....	144.8	144.0	143.3	143.1	.....	.....
20	143.2	143.8	144.0	144.4	144.9	.....	144.8	143.9	143.2	143.2	.....	144.3
21	143.4	143.8	144.1	144.4	144.9	.....	144.9	143.9	143.2	143.2	.....	144.3
22	143.4	143.6	143.9	144.3	144.9	144.9	144.9	143.8	143.3	143.2	143.7	144.0
23	143.3	143.8	144.0	144.6	144.9	144.9	144.8	143.8	143.2	143.4	143.6	143.7
24	143.3	143.6	144.1	144.6	144.9	145.0	144.7	143.8	143.2	143.4	143.8	.....
25	143.4	143.6	144.3	144.5	145.0	144.9	144.6	143.8	143.2	143.2	143.8	.....
26	143.5	143.5	144.4	144.4	144.9	144.8	144.7	143.9	143.2	143.0	143.8	.....
27	143.5	143.5	144.2	144.6	145.1	144.9	144.7	143.8	143.2	143.3	143.9	.....
28	143.4	143.8	144.1	144.5	145.2	144.8	144.7	143.8	143.2	143.2	143.9	144.4
29	143.4		144.0	144.4	145.0	144.9	144.7	143.7	143.2	143.3	143.8	144.5
30	143.3		144.2	144.5	144.8	144.8	144.6	143.7	143.3	142.9	143.7	144.5
31	143.2		144.3		144.8		144.7	143.7		143.1		144.3

8S 25E-16da1. V. Anderson. Drilled irrigation water-table well in Snake River basalt, diameter 20 inches, reported depth 230 feet. Land-surface datum is 4,293.4 feet above U. S. Bureau of Reclamation datum. Highest water level 148.4 below lsd, Dec. 1, 1953; lowest 151.0 below lsd, Aug. 4, 1953, Sept. 20, 1955. Records available: 1949-55. Sept. 20, 151.0.

8S 25E-24bd1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 8 to 6 inches, reported depth 180 feet, 8-inch casing to 15, 6-inch casing 120-180, perforations 160-180. Land-surface datum is 4,282.7 feet above U. S. Bureau of Reclamation datum. Highest water level 133.5 below lsd, Oct. 24, Nov. 5-6, 17, 1953; lowest 136.6 below lsd, Aug. 1, 1955. Records available: 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	134.8	.....	135.3	135.6	135.6	135.9	136.3	136.6	136.4	136.2	136.1	136.2
2	.....	.....	135.3	135.5	135.7	135.9	136.3	136.5	136.3	136.2	136.2	136.2
3	135.0	.....	135.4	135.5	135.8	136.0	136.3	136.4	136.3	136.2	136.2	136.2
4	135.0	.....	135.4	135.6	135.8	136.0	136.3	136.4	136.3	136.1	136.2	136.3
5	135.0	.....	135.6	135.6	135.8	136.0	136.3	136.5	136.3	136.2	136.2	136.3

8S 25E-24bd1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	135.1	.....	135.6	135.7	135.8	136.0	136.3	136.5	136.3	136.3	136.2	136.2
7	.....	.....	135.6	135.7	135.8	136.1	136.4	136.5	136.2	136.3	136.3	136.4
8	.....	135.2	135.5	135.7	135.7	136.2	136.3	136.5	136.2	136.2	136.3	136.4
9	.....	135.2	135.4	135.6	135.8	136.2	136.3	136.5	136.2	136.2	136.2	136.4
10	.....	135.3	135.4	135.6	135.8	136.2	136.3	136.5	136.3	136.1	136.1	136.5
11	135.0	.....	135.4	135.6	135.8	136.1	136.4	136.5	136.3	136.3	136.0	136.5
12	135.1	.....	135.4	135.7	135.8	136.1	136.4	136.4	136.3	136.3	136.1	136.4
13	135.1	.....	135.4	135.6	135.7	136.1	136.5	136.4	136.2	136.3	136.0	136.5
14	135.1	.....	135.4	135.6	135.7	136.0	136.4	136.4	136.2	136.2	136.1	136.6
15	.....	135.3	135.6	135.6	135.8	136.2	136.4	136.4	136.2	136.2	136.2	136.5
16	.....	135.3	135.5	135.6	135.8	136.2	136.4	136.4	136.2	136.2	.....	136.4
17	.....	135.2	135.6	135.6	135.8	136.2	.....	136.4	136.2	136.2	136.2	136.4
18	135.0	135.3	135.5	135.6	135.9	136.2	.....	136.4	136.2	136.2	136.2	136.4
19	.....	135.3	135.4	135.6	135.9	136.2	.....	136.4	136.2	136.2	136.2	136.4
20	.....	135.4	135.5	135.6	135.8	136.3	.....	136.4	136.2	136.2	136.2	136.5
21	.....	135.4	135.5	135.6	135.8	136.3	136.5	136.4	136.2	136.2	136.2	136.5
22	.....	135.3	135.5	135.6	135.8	136.3	136.5	136.4	136.2	136.2	136.2	136.3
23	.....	135.4	135.5	135.7	135.8	136.2	.....	136.3	136.2	136.3	136.2	136.2
24	.....	135.3	135.5	135.7	135.8	136.3	.....	136.3	136.2	136.3	136.3	136.4
25	.....	135.3	135.6	135.6	135.8	136.2	.....	136.3	136.2	136.2	.....	136.5
26	.....	135.2	135.7	135.6	135.8	136.3	136.5	136.3	136.2	136.1	.....	136.4
27	.....	135.2	135.6	135.7	135.9	136.3	136.5	136.4	136.2	136.2	.....	136.4
28	.....	135.3	135.5	135.7	136.0	136.2	136.5	136.3	136.2	136.2	.....	136.5
29	.....		135.5	135.7	136.0	136.3	136.5	136.3	136.2	136.2	136.3	136.6
30	.....		135.6	135.7	135.8	136.3	136.5	136.3	136.2	136.0	136.2	136.6
31	.....		135.7		135.8		136.5	136.3		136.1		136.5

9S 22E-33ab1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 12 inches, depth 257 feet, stovepipe casing to basalt bedrock at shallow depth. Land-surface datum is 4,234.7 feet above U. S. Bureau of Reclamation datum. Highest water level 222.3 below lsd, Jan. 17, 23, 1954; lowest 226.2 below lsd, Sept. 5, 9-10, 17, 22, Oct. 5-6, 1955. Records available: 1947, 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	223.7	223.7	223.8	223.9	224.1	224.6	225.2	225.8	226.1	226.0	225.7	225.0
2	223.6	223.8	223.7	223.9	224.3	224.7	225.1	225.7	226.1	226.0	225.7	225.1
3	223.8	223.8	223.8	224.0	224.3	224.7	225.3	225.8	226.1	225.9	225.5	225.3
4	223.8	223.9	223.9	224.1	224.3	224.7	225.2	225.8	226.1	226.1	225.6	225.4
5	223.9	223.7	224.1	224.1	224.2	224.7	225.2	225.8	226.2	226.2	225.7	225.2
6	224.0	224.0	224.0	224.1	224.3	224.8	225.3	225.9	226.1	226.2	225.6	225.0
7	223.9	223.9	223.9	224.1	224.2	224.8	225.3	225.8	226.0	226.0	225.8	225.4
8	223.9	223.8	223.8	224.1	224.4	224.9	225.2	225.8	226.1	226.0	225.6	225.3
9	223.8	223.8	223.6	224.0	224.5	224.8	225.3	225.9	226.2	226.0	225.6	225.3
10	223.7	224.1	223.7	224.1	224.5	224.7	225.3	225.9	226.2	225.8	225.2	225.4
11	223.8	224.0	223.8	224.1	224.4	224.7	225.4	225.9	226.1	226.1	225.3	225.4
12	224.1	223.8	223.8	224.2	224.4	224.8	225.5	225.8	226.1	226.1	225.4	225.2
13	223.7	224.0	223.8	224.0	224.4	224.8	225.5	225.8	226.0	226.0	225.3	225.3
14	223.9	223.9	223.9	224.1	224.4	224.9	225.6	225.9	226.1	225.8	225.3	225.4
15	223.6	223.8	224.0	224.2	224.5	225.0	225.5	225.9	226.1	225.9	225.4	225.4
16	223.7	223.8	223.8	224.0	224.6	225.0	225.5	225.9	226.0	225.9	225.4	225.1
17	223.9	223.7	224.0	224.0	224.6	224.9	225.6	226.0	226.2	225.9	225.3	225.0
18	223.7	223.9	223.8	224.0	224.6	224.9	225.5	226.0	226.1	225.8	225.4	225.1
19	223.7	223.9	223.8	224.2	224.4	224.9	225.5	226.0	226.1	225.8	225.4	225.1
20	223.8	223.9	223.9	224.2	224.3	225.0	225.5	226.0	226.1	225.9	225.3	225.3
21	224.0	223.9	223.9	224.1	224.3	225.1	225.6	226.0	226.1	225.8	225.2	225.2
22	224.0	223.7	223.8	224.0	224.4	225.0	225.7	226.0	226.2	225.8	225.5	224.9
23	223.8	223.9	223.9	224.3	224.3	225.0	225.6	225.9	226.1	226.0	225.3	224.6
24	223.8	223.7	224.0	224.1	224.4	225.2	225.6	225.9	226.1	225.8	225.5	225.1
25	223.9	223.7	224.2	224.0	224.4	225.0	225.6	226.0	226.1	225.6	225.4	225.1
26	224.0	223.6	224.1	224.1	224.3	225.1	225.6	226.0	226.1	225.6	225.4	225.1
27	224.0	223.6	223.8	224.4	224.6	225.2	225.7	226.0	226.0	225.8	225.5	225.0
28	223.9	223.9	223.9	224.1	224.6	225.0	225.7	226.0	226.1	225.7	225.4	225.1
29	223.8		223.8	224.1	224.4	225.2	225.7	226.0	226.1	225.7	225.3	225.3
30	223.6		224.1	224.1	224.4	225.1	225.7	226.0	226.1	225.4	225.2	225.2
31	223.7		224.2		224.5		225.7	226.1		225.5		224.9

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. Highest water level 54.26 below lsd, Sept. 15, 1948; lowest 71.33 below lsd, Feb. 14, 1950. Records available: 1947-55. Water level influenced by local irrigation. Jan. 18, 68.16; Mar. 22, 70.71; May 17, 70.61; July 13, 61.76; Sept. 20, 57.52; Nov. 3, 63.97.

Oneida County

11S 35E-30cb1. Russell Daniels. Drilled unused low-pressure artesian well in alluvial sand of Pleistocene age, diameter 8 inches, depth 204 feet. Highest water level 25.10 below lsd, May 5, 1952; lowest 28.09 below lsd, Sept. 27, 1949. Records available: 1947-54. No measurement made in 1955.

11S 35E-31ac1. Russell Daniels. Drilled unused water-table well in river gravels of Quaternary age, diameter 6 inches, depth 92 feet. Highest water level 30.34 below lsd, May 5, 1952; lowest 46.07 below lsd, Nov. 1, 1952. Records available: 1947-54. No measurement made in 1955.

13S 35E-33cc1. Mrs. K. T. Jones. Drilled unused water-table well in rocks of Paleozoic age, diameter 6 inches, depth 328 feet. Highest water level 293.5 below lsd, Apr. 26, 1953; lowest 302.3 below lsd, Sept. 13, 1951. Records available: 1946-55. Apr. 21, 294.5.

13S 35E-36cc1. Dave Deschamps. Drilled unused water-table well in sediments of Pleistocene age, diameter 4 inches, depth 131 feet. Highest water level 80.78 below lsd, Apr. 26, 1953; lowest 83.31 below lsd, Nov. 1, 1952. Records available: 1946-55. Apr. 21, 82.24.

14S 34E-31da1. Roy Davis. Drilled unused water-table well in rocks of Paleozoic age, diameter 4 inches, depth 399 feet. Highest water level 372.6 below lsd, Apr. 26, 1953; lowest 389.4 below lsd, Sept. 14, 1951. Records available: 1947-55. Apr. 22, 373.6.

14S 35E-10ab1. John W. Leavitt. Drilled irrigation water-table well, diameter 4 inches. Land-surface datum is 4,769.4 feet above msl (preliminary). Highest water level 115.4 below lsd, May 4, 1948; lowest dry at 120, Apr. 21, Oct. 25, 1955. Records available: 1931, 1943-55. Apr. 21, dry; Oct. 25, dry.

14S 35E-13db1. Progressive Pump Co. Drilled irrigation water-table well, diameter 14 inches, depth 289 feet, cased to 289, perforations opposite all gravels 114-289. Highest water level 66.07 below lsd, Apr. 26, 1953; lowest 77.36 below lsd, Oct. 29, 1954. Records available: 1943-55. Apr. 22, 70.58; Oct. 25, 77.24.

14S 35E-27aa1. Davis & Ipsen. Drilled irrigation water-table well, diameter 14 inches, depth 210 feet, cased to 210, perforations opposite all gravels 55-210. Highest water level 52.65 below lsd, Apr. 9, 1947; lowest 63.92 below lsd, Oct. 25, 1955. Records available: 1943-55. Apr. 21, 58.33; Oct. 25, 63.92.

14S 35E-35bd1. John W. Price. Drilled stock and domestic artesian well, diameter 3 inches, reported depth 360 feet. Highest water level 29.0 above lsd, Feb. 25, 1946; lowest 9.6 above lsd, Oct. 25, 1955. Records available: 1943-55. Apr. 21, +17.4; Oct. 25, +9.6.

14S 35E-36bc1. Smith & Illum. Drilled irrigation artesian well, diameter 14 inches, depth 301 feet, cased to 301, perforations opposite all gravel beds 72-301. Highest water level 15.69 below lsd, Apr. 1, 1947; lowest 22.49 below lsd, Sept. 27, 1949. Records available: 1943-55. Apr. 21, 18.03; Oct. 25, 21.73.

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 4850.2 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, 1943-55. Apr. 22, 72.47; Oct. 24, 72.38.

14S 36E-29ba1. R. R. Jones. Drilled unused artesian well, diameter 4 inches, depth 302 feet. Land-surface datum is 4,510.8 feet above msl (preliminary). Highest water level 22.42 below lsd, May 5, 1952; lowest dry at 36, Oct. 29, 1954, Apr. 21, Oct. 25, 1955. Records available: 1931, 1943-55. Apr. 21, dry; Oct. 25, dry.

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 8.4 below lsd, Oct. 24, 1955. Records available: 1943-55. Apr. 20, 2.3; Oct. 24, 8.4.

14S 36E-32da1. William Howard. Drilled stock artesian well, diameter 4 inches, depth 74 feet. Land-surface datum is 4,463.7 feet above msl (preliminary). Flowing prior to measurement. Highest water level 4.7 above lsd, May 6, 1952; lowest dry, Oct. 24, 1955. Records available: 1931-32, 1943-55. Apr. 20, 3.2; Oct. 24, dry.

15S 34E-6ab1. Joe Thorpe. Dug stock and domestic water-table well in bottom-land alluvium, depth 85 feet. Highest water level 4.73 below lsd, May 6, 1952; lowest 49.18 below lsd, Nov. 7, 1949. Records available: 1947-55. Apr. 22, 31.86.

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, 1947-55. Apr. 21, +24.2; Oct. 25, +18.7.

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

15S 35E-12ab2. James H. Williams. Drilled irrigation artesian well, diameter 4 inches. Land-surface datum is 4,428.3 feet above msl (preliminary). Flowing prior to measurement. Highest water level 26.6 above lsd, Oct. 28, 1954; lowest 13.0 above lsd, May 5, 1948. Records available: 1931-32, 1943-55. Apr. 21, +18.8; Oct. 25, +20.5.

15S 35E-12bb1. James H. Williams. Drilled irrigation artesian well, diameter $2\frac{1}{2}$ inches, depth 187 feet. Land-surface datum is 4,442.0 feet above msl (preliminary). Flowing prior to measurement. Highest water level 14.5 above lsd, Apr. 1, 1947; lowest 0.1 above lsd, Sept. 7, 1950. Records available: 1943-55. Apr. 21, +5.8; Oct. 25, +3.8.

15S 35E-14ad1. Ben Jones. Drilled domestic artesian well, diameter 3 inches. Land-surface datum is 4,430.3 feet above msl (preliminary). Flowing prior to measurement. Highest water level 7.1 above lsd, May 6, 1952; lowest 1.9 above lsd, May 3, 1944. Records available: 1943-55. Apr. 21, +3.8; Oct. 25, +5.4.

15S 36E-5aa4. Dives Bros. Drilled irrigation artesian well, diameter 4 inches, depth 158 feet. Land-surface datum is 4,437.6 feet above msl (preliminary). Flowing prior to measurement. Highest water level 17.0 above lsd, Feb. 28, 1951; lowest 2.0 above lsd, Oct. 29, 1954. Records available: 1931-32, 1943-45, 1947-55. Apr. 20, +5.9; Oct. 25, +4.1.

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 2.1 above lsd, Oct. 25, 1955. Records available: 1943-55. Apr. 21, +9.9; Oct. 25, +2.1.

15S 36E-6ba1. A. E. Scott. Drilled stock and domestic artesian well, diameter 3 inches, reported depth 310 feet. Land-surface datum is 4,465.4 feet above msl (preliminary). Flowing prior to measurement. Highest water level 23.1 above lsd, May 4, 1944, Apr. 26, 1953; lowest 5.2 above lsd, Oct. 24, 1955. Records available: 1943-55. Apr. 21, +13.7; Oct. 24, +5.2.

15S 36E-8aa1. Edward Vaughn. Drilled unused artesian well, diameter 4 inches, depth 138 feet. Flowing prior to measurement. Highest water level 24.0 above lsd, Mar. 20, 1952; lowest 11.5 above lsd, Apr. 20, 1955. Records available: 1943-55. Apr. 20, +11.5; Oct. 25, +22.5.

15S 36E-22ab1. Moroni V. Rees. Drilled irrigation artesian well, diameter 8 inches, depth 101 feet. Land-surface datum is 4,410 feet above msl. Flowing prior to measurement. Highest water level 24.8 above lsd, Mar. 20, 1952; lowest 13.0 above lsd, July 15, 1943. Records available: 1943, 1947-55. Apr. 21, +17.3; Oct. 24, +18.2.

15S 36E-29ca2. Tom Dudley. Drilled stock and domestic artesian well, diameter 3 inches, depth 270 feet. Land-surface datum is 4,402.6 feet above msl (preliminary). Flowing prior to measurement. Highest water level 14.7 above lsd, May 6, 1952; lowest 3.2 above lsd, Sept. 7, 1950. Records available: 1943-55. Apr. 21, +10.8; Oct. 25, +10.1.

15S 36E-30ab1. John W. Jenkins. Drilled irrigation artesian well, diameter 4 inches, reported depth 229 feet. Land-surface datum is 4,395.8 feet above msl (preliminary). Flowing prior to measurement. Highest water level 14.9 above lsd, May 3, 1944; lowest 6.6 above lsd, Oct. 29, 1954. Records available: 1943-55. Apr. 21, +8.6; Oct. 25, +9.5.

15S 36E-30ab2. John W. Jenkins. Drilled irrigation artesian well, diameter 4 inches, depth 196 feet. Land-surface datum is 4,395.3 feet above msl (preliminary). Flowing prior to measurement. Highest water level 13.2 above lsd, May 6, 1952; lowest 9.0 above lsd, Sept. 7, 1950. Records available: 1943-55. Apr. 21, +11.1; Oct. 25, +9.4.

Payette County

7N 5W-3da1. Sim Watkins. Dug stock and domestic water-table well in alluvial sand and gravel, diameter 4 feet, depth 56 feet, concrete casing, open bottom. Highest water level 31.0 below lsd, Sept. 12, Oct. 7, 1949; lowest 43.3 below lsd, Apr. 27, May 3, 1949. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	38.0	Mar. 14	40.9	May 23	42.8	Aug. 1	36.0
10	38.5	21	41.3	30	42.5	8	35.9
17	38.7	28	41.4	June 5	41.9	15	35.0
24	39.1	Apr. 4	41.6	13	41.3	22	34.6
31	39.4	11	41.9	20	40.0	29	33.8
Feb. 7	39.7	18	42.1	29	40.0	Sept. 5	33.2
14	39.8	25	42.3	July 4	39.3	12	32.9
21	40.4	May 2	42.7	11	38.2	19	32.3
28	40.7	9	42.7	18	38.1	26	32.2
Mar. 7	40.7	16	42.7	25	37.4		

MONTANA

By Frank A. Swenson

Scope of Water-Level Program

The observation-well program in Montana was continued in 1955 in connection with the ground-water studies being made cooperatively with the Montana Bureau of Mines and Geology and as part of the program for the development of the Missouri River Basin. Figure 19 shows the location of 20 wells in Montana whose 1955 measurements are included in this report. Measurements made in many other wells in the State will be published in project reports.

Interpretation of Water-Level Fluctuations

The years 1954 and 1955 were characterized by lack of extremes in water-level fluctuations. In 1955, the water level reached the lowest stage of record in Big Horn County well D-2-34-23ad (1.68 feet lower than in 1954) in the southern part of the State, in Chouteau County well A-29-13-21aa2 (2.92 feet lower than in 1954) in the north-central part, and in Roosevelt County well A-27-49-4aa (0.52 foot lower than in 1954) in the northeastern part. Recent nearby ground-water development probably caused the sharp drop in water level in the well south of Box Elder. Water levels were highest of record in Fergus County well A-14-16-15bb (0.34 foot higher than in 1952) in the central part of the State, in Hill County well A-32-15-17dd (0.91 foot higher than in 1954) in the north-central part, and in Roosevelt County well A-28-57-28dd (0.42 foot higher than in 1954) in the northeastern part. The well near Assinboine in Hill County and the well at Lanark in Roosevelt County have shown a steadily rising trend for several years. A marked decrease in ground-water use at Havre may be the cause of the rise in the Assinboine well.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. The first lowercase letter denotes the 160-acre tract and the second the 40-acre tract. The letters are assigned in a counterclockwise direction, beginning in the northeastern quarter. The capital letters--A, B, C, and D--designate the location of the well in the northeast, northwest, southwest, and southeast quadrants, respectively, of the Montana principal meridian and base line system. Thus, the number D-2-34-23ad designates a well in the SE¼NE¼ sec. 23, T. 2 S., R. 34 E.

Well Descriptions and Water-Level Measurements

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

Beaverhead County

C-8-9-9bb. James Rebich. Dug and drilled domestic well, diameter 4 feet, depth 31 feet. Highest water level 2.09 below lsd, July 7, 1953; lowest 29.65 below lsd, Mar. 3, 1952. Records available: 1947-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	26.56	Apr. 27	26.80	Aug. 31	10.04	Nov. 22	21.63
Mar. 9	28.57	July 20	13.10	Oct. 5	15.85	Dec. 28	25.31
30	28.82						

Big Horn County

D-2-34-23ad. U. S. Geol. Survey. Jetted observation well, diameter ¾ inch, depth 25 feet, cased with pipe. Highest water level 1.40 below lsd, Sept. 8, 1954; lowest 5.56 below lsd, Feb. 16, 1955. Records available: 1954-55.

Jan. 18	5.05	Apr. 14	1.87	July 12	2.07	Oct. 19	1.65
Feb. 16	5.56	May 24	3.73	Aug. 16	1.54	Nov. 28	2.98
Mar. 17	5.13	June 15	2.53	Sept. 14	1.65	Dec. 14	3.63

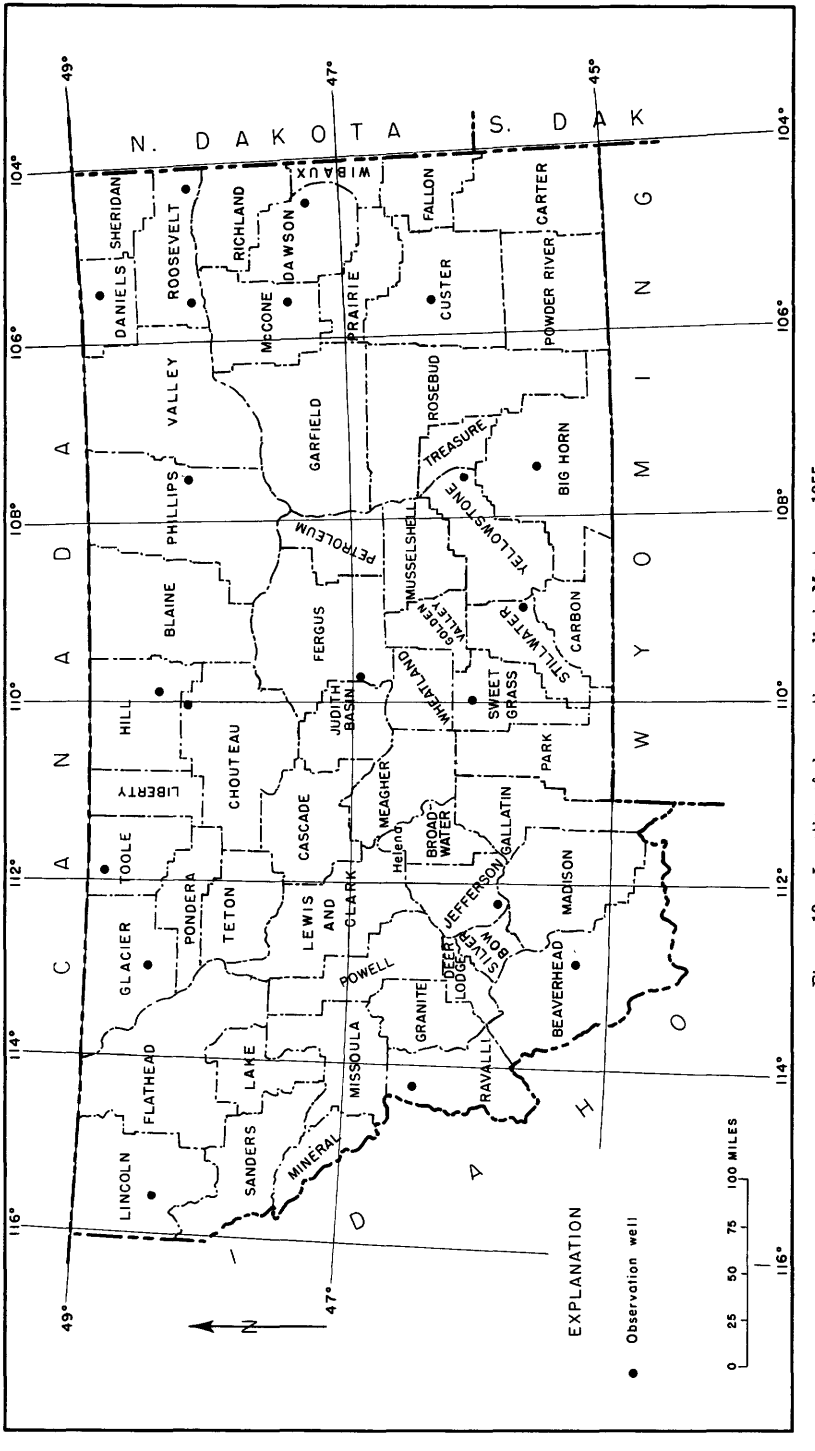


Figure 19.--Location of observation wells in Montana, 1955.

Chouteau County

A-29-13-21aa2. U. S. Geol. Survey. Unused well in deposits of Pleistocene age, diameter 2 inches, depth 210 feet, cased to 167. Highest water level 15.78 below lsd, May 17, 1949; lowest 20.90 below lsd, Sept. 19, 1955. Records available: 1947-55. Mar. 25, 16.98; Apr. 30, 16.86; May 27, 16.69; June 29, 16.77; Aug. 19, 16.64; Sept. 19, 20.90.

Custer County

A-7-47-13dd. Owner unknown. Drilled unused well in Fort Union formation, diameter 4 inches, depth 46 feet. Highest water level 38.16 below lsd, Oct. 9, 1952; lowest 43.10 below lsd, June 6, 1947. Records available: 1947-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8	40.41	May 6	41.55	Aug. 8	39.83	Nov. 15	38.59
Mar. 11	39.72	June 9	41.58	Sept. 8	38.95	Dec. 21	39.35
Apr. 9	41.30	July 6	40.80	Oct. 5	38.46		

Daniels County

A-35-47-12cd. State of Montana. Dug unused well, diameter 48 inches, depth 31 feet, cribbed with wood and stone. Highest water level 13.20 below lsd, July 28, 1953; lowest 15.66 below lsd, Feb. 21, 1948. Records available: 1947-55.

Jan. 4	14.04	May 9	13.64	Aug. 16	14.10	Nov. 2	14.60
Feb. 1	14.03	June 16	13.50	Sept. 15	14.32	Dec. 2	14.69
Mar. 2	14.03	July 19	13.81	Oct. 19	14.52		

Dawson County

A-18-56-25cb. Mrs. Bud Stevenson. Dug unused well in terrace deposits, diameter 30 inches, depth 28 feet, cribbed with concrete. Highest water level 22.63 below lsd, Sept. 15, 1952; lowest 25.45 below lsd, June 3, 1954. Records available: 1947-55.

Jan. 5	24.89	Apr. 8	24.70	July 14	24.94	Oct. 5	24.98
Feb. 1	25.06	May 5	25.12	Aug. 8	24.40	Nov. 16	24.95
Mar. 17	24.87	June 19	25.22	Sept. 8	24.94	Dec. 6	24.95

Fergus County

A-14-16-15bb. J. J. Pospisil. Dug domestic well, diameter 4 feet, depth 39 feet, cribbed with concrete. Highest water level 32.81 below lsd, Apr. 28, 1955; lowest 36.41 below lsd, Nov. 30, 1954. Records available: 1950-55.

Jan. 28	35.13	Apr. 28	32.81	July 29	33.58	Nov. 1	34.03
Feb. 28	34.87	May 31	34.09	Aug. 31	33.56	Dec. 1	34.30
Mar. 31	35.11	June 27	33.89	Sept. 29	33.85	30	34.44

Glacier County

B-32-11-3dd. Bureau of Indian Affairs. Unused well, diameter 24 inches, depth 9 feet. Highest water level 0.00, Mar. 19, 1951, Mar. 4, 1952, Apr. 5, 1954; lowest 2.96 below lsd, Oct. 1, 1953. Records available: 1947-55.

Feb. 1	2.05	May 23	0.37	Aug. 19	2.84	Oct. 19	2.30
Mar. 1	1.88	27	.90	26	2.84	Nov. 10	2.07
18	1.67	June 17	1.91	Sept. 12	2.78	19	2.28
Apr. 29	.12	July 12	.96	Oct. 6	2.42	Dec. 21	1.39
May 5	.51	14	1.43				

Hill County

A-32-15-17dd. U. S. Geol. Survey. Drilled unused well in deposits of Pleistocene age, diameter 2 inches, depth 180 feet, cased to 152. Highest water level 40.87 below lsd, Sept. 26, 1955; lowest 52.56 below lsd, June 18, 1947. Records available: 1947-55. Mar. 25, 41.56; Apr. 14, 41.52; Apr. 30, 41.57; May 27, 41.55; June 29, 41.46; Aug. 29, 40.88; Sept. 26, 40.87.

Jefferson County

B-1-4-8cd. Joe Merrick. Drilled unused well, diameter 4 inches, depth 9 feet. Highest water level 1.88 below lsd, Oct. 5, 1953; lowest 6.00 below lsd, June 23, 1947. Records available: 1947-55. Jan. 28, 2.58; Mar. 7, 2.54; July 19, 2.49; Aug. 30, 2.65; Oct. 3, 2.76; Nov. 10, 2.54.

Lincoln County

B-31-31-32db. Owner unknown. Dug unused well, diameter 4 feet, depth 15 feet, cribbed with masonry. Highest water level 5.02 below lsd, June 2, 1948; lowest 13.23 below lsd, Dec. 9, 1952. Records available: 1947-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	11.00	May 9	7.93	July 20	8.65	Oct. 17	9.42
Feb. 18	10.99	20	7.85	Aug. 19	10.17	Nov. 7	9.50
Mar. 23	10.25	June 6	8.11	Sept. 14	11.04	Dec. 7	9.97
Apr. 22	8.43	14	7.65				

McCone County

A-19-48-11bc. City of Circle. Drilled unused municipal well, diameter 12 inches, depth 53 feet. Highest water level 27.25 below lsd, Oct. 11, 1954; lowest 31.37 below lsd, Oct. 27, 1954. Records available: 1954-55.

Jan. 4	31.28	May 4	30.80	Aug. 9	30.72	Nov. 16	31.34
Feb. 2	31.30	June 19	30.94	Sept. 8	31.20	Dec. 5	31.30
28	31.25	July 13	30.34	Oct. 4	31.27		

Phillips County

A-31-34-8ca. W. D. Miller. Drilled unused well, diameter 5 inches, depth 15 feet. Highest water level 2.65 below lsd, Aug. 19, 1948; lowest 6.90 below lsd, Mar. 11, 1953. Records available: 1947-55.

Jan. 19	6.09	Mar. 29	6.42	June 21	3.94	Sept. 20	4.32
Feb. 15	6.29	Apr. 8	5.92	July 20	3.96	Nov. 8	4.93
Mar. 7	6.49	May 4	4.86	Aug. 9	3.86	Dec. 6	5.47

Ravalli County

B-7-20-18ab. Owner unknown. Dug unused well, diameter 30 inches, depth 18 feet, cased with wood staves. Highest water level 2.75 below lsd, May 3, 1952; lowest 13.42 below lsd, Jan. 20, 1953. Records available: 1947-55.

Jan. 26	10.77	Apr. 27	8.21	July 19	5.47	Sept. 28	11.43
Feb. 26	8.47	May 24	4.93	Aug. 24	9.43	Oct. 26	9.73

Roosevelt County

A-28-57-28dd. Abandoned school. Drilled unused well in Fort Union formation, diameter 5 inches, depth 29 feet. Highest water level 22.65 below lsd, Oct. 10, 1955; lowest 27.52 below lsd, Apr. 25, 1946. Records available: 1946-55.

Jan. 6	23.50	Apr. 21	23.07	July 14	22.85	Oct. 10	22.65
31	23.28	May 11	22.91	Aug. 2	22.73	Dec. 2	23.04
Mar. 8	23.09	June 8	22.99	Sept. 13	22.80		

A-27-49-4aa. U. S. Geol. Survey. Jetted observation well, diameter $\frac{3}{4}$ inch, depth 24 feet, cased with pipe. Highest water level 14.56 below lsd, Apr. 21, 1955; lowest 17.77 below lsd, Mar. 8, 1955. Records available: 1954-55.

Jan. 4	17.45	Mar. 8	17.77	May 11	15.04	Sept. 9	16.93
6	17.51	30	17.60	June 8	15.52	Oct. 10	17.21
31	17.62	Apr. 21	14.56	Aug. 2	16.39	Dec. 2	17.55

Stillwater County

D-2-23-29ba. Alvin Southworth. Drilled domestic well, diameter 6 inches, depth 24 feet. Highest water level 2.73 below lsd, Sept. 23, 1949; lowest 12.23 below lsd, May 24, 1950. Records available: 1947-55.

Jan. 24	9.70	Apr. 26	11.29	Aug. 2	6.42	Oct. 31	5.65
Feb. 28	10.07	June 7	11.40	28	4.43	Nov. 28	7.20
Mar. 30	10.83	24	11.05	Oct. 5	5.30	Dec. 28	8.50

Sweet Grass County

A-4-14-14ba. Spike Van Cleave. Dug well in valley fill, diameter 30 inches, depth 16 feet, cribbed with stone. Highest water level 4.73 below lsd, June 11, 1947; lowest 14.78 below lsd, Mar. 30, 1954, Mar. 17, 1955. Records available: 1947-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	14.55	June 7	6.85	Sept. 1	12.90	Nov. 29	12.05
Mar. 17	14.78	23	6.39	Oct. 5	13.25	Dec. 31	13.60
Apr. 27	14.38	Aug. 2	10.85	Nov. 2	10.00		

Toole County

B-36-2-8cc. Cloyd Hannon. Dug domestic and stock well, diameter 4 1/3 feet, depth 17 feet, cribbed with wood. Highest water level 1.43 below lsd, June 6, 1953; lowest 10.53 below lsd, Feb. 13, 1950. Records available: 1947-55.

Jan. 17	8.09	Mar. 28	8.21	July 6	4.19	Sept. 26	4.83
31	8.11	Apr. 19	5.38	Sept. 17	4.72	Nov. 16	5.99
Feb. 14	8.30	May 27	2.87	22	4.94	Dec. 3	6.30
Mar. 14	8.20						

Yellowstone County

A-4-33-1aa. Cross Service Station. Drilled domestic well in irrigated alluvium, diameter 8 inches, depth 30 feet. Highest water level 7.20 below lsd, Nov. 11, 1953; lowest 11.85 below lsd, Apr. 15, 1954. Records available: 1947-55.

Feb. 7	10.82	May 5	10.95	July 8	10.17	Oct. 14	8.32
Mar. 17	11.20	June 4	11.18	Aug. 5	8.54	Dec. 28	10.07

OREGON

By Stuart G. Brown

Scope of Water-Level Program

The observation-well program in Oregon was continued in 1955 in cooperation with the State Engineer. Measurements of water levels were made in 100 wells, 4 of which are equipped with nonrecording gages. Figures 20, 21, and 22 show the location of observation wells in western, central, and eastern Oregon, respectively. Reports on ground-water investigations in the Klamath Basin, in the Tualatin Valley, in the area near Pilot Rock, and in the area near Simnasho were released to the open file. An investigation of the occurrence of ground water near Ana Springs was begun.

Precipitation

Precipitation for the 1955 water year, as computed at 17 stations, was deficient, being only 83 percent of average. (A "water year" includes a wet season followed by a dry season.) East of the Cascade Mountains, precipitation was 73 percent of average; west of the Cascades, it was 90 percent of average. The precipitation ranged from 42 percent of average at Ashland in the Rogue River basin to 98 percent of average at Astoria near the mouth of the Columbia River. West of the Cascades, the precipitation was above average in March, April, July, and September.

Interpretation of Water-Level Fluctuations

The State of Oregon is separated into two major divisions by the Cascade Mountains. The western division, about one-third of the State, has a humid coastal-type climate; the eastern division is generally higher and drier. The plateaus and mountains have a continental type of climate subject to greater extremes of temperature and a seasonal distribution of precipitation. Water levels in observation wells in Oregon are measured at various times of the year in order to obtain records of the effects of pumping and seasonal changes in ground-water storage. Measurements are made in early spring before heavy pumping begins, during the pumping season, and at the end of the pumping season. Midwinter measurements show the position of the ground-water level before the normal spring recharge. Certain water levels, such as those in the Fort Rock Basin in Lake County in the south-central part of the State, apparently lag behind the precipitation by 8 to 10 years. Water levels in wells in the Walla Walla Basin in Umatilla County in the northeastern part of the State show the passage of ground water through the alluvial fan as a wave, commonly having a sharp rise as the snowmelt runs off and a slow decline to the end of the water year. The water year extends from October 1 of one year to September 30 of the next year. At or near the end of the water year, comparisons are made of the net changes in water levels recorded for the same period of the current and previous years. There were more net declines than net rises in water levels in water-table wells at the end of the 1955 water year. These declines are the result of the drier than average water year, which caused a greater than average withdrawal from ground-water reservoirs.

Willamette Valley. --In 1955, water levels in observation wells in the Willamette Valley in western Oregon declined an average of 0.11 foot in response to below-average precipitation during the water year. The decline was neither excessive nor general. April, July, August, and September were above average in precipitation. Temperatures were below normal in March, April, May, July, and August. Wells in the Willamette Valley are listed under Benton, Lane, Linn, Marion, Multnomah, Washington, and Yamhill Counties.

Crooked River basin. --In the Prineville area in the north-central part of the State, water levels in the water-table wells declined an average of 1.3 feet. The year-end level in Crook County artesian well 14/16-32N1, in an area of heavy pumping, was about 5.4 feet lower than at the end of 1954. The artesian aquifer provides water for several large mills and for a part of the municipal supply of the city of Prineville. Precipitation in Prineville was deficient in every month except July. The precipitation for the 1955 water year was 56 percent of average.

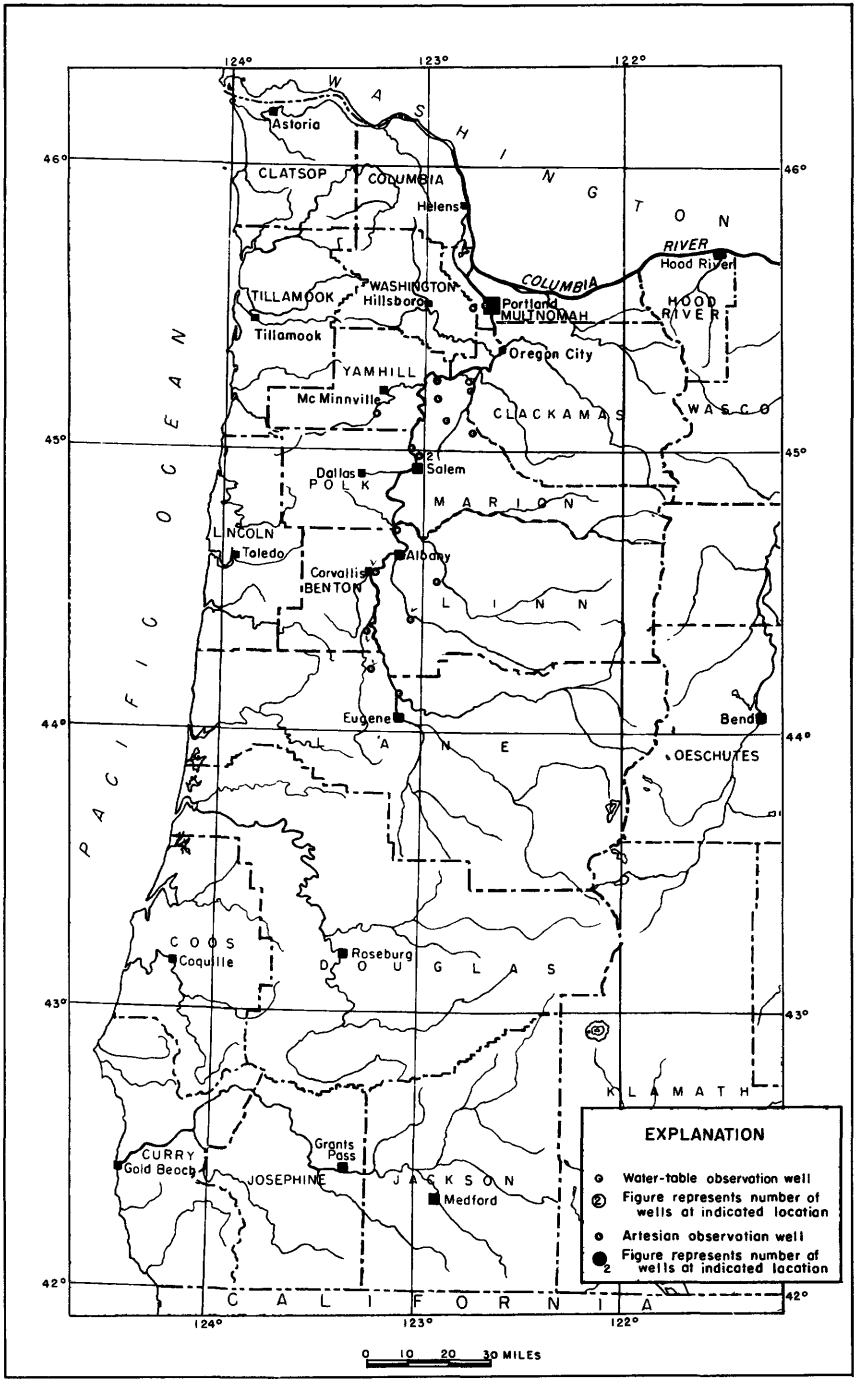


Figure 20. --Location of observation wells in western Oregon, 1955.

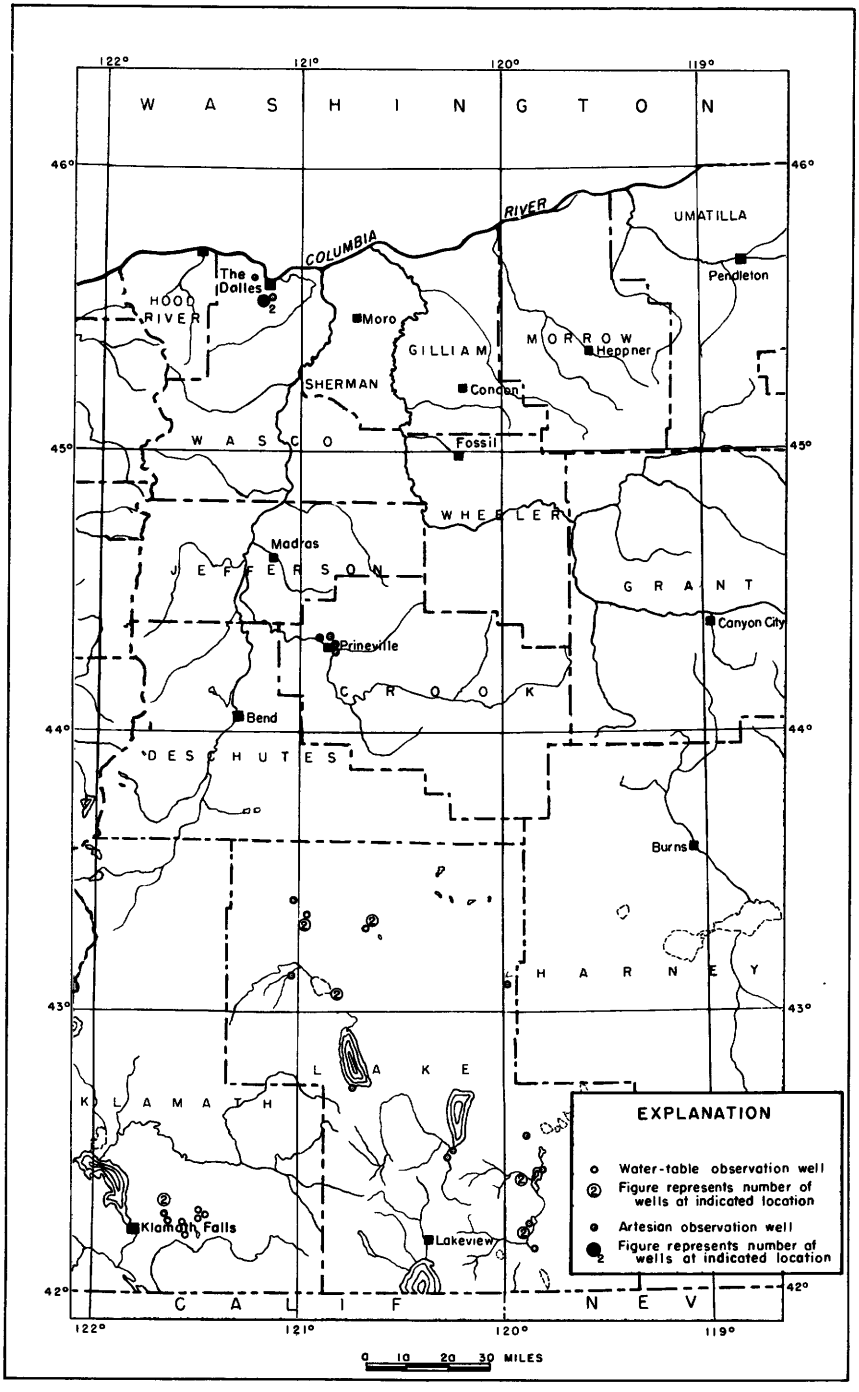


Figure 21. --Location of observation wells in central Oregon, 1955.

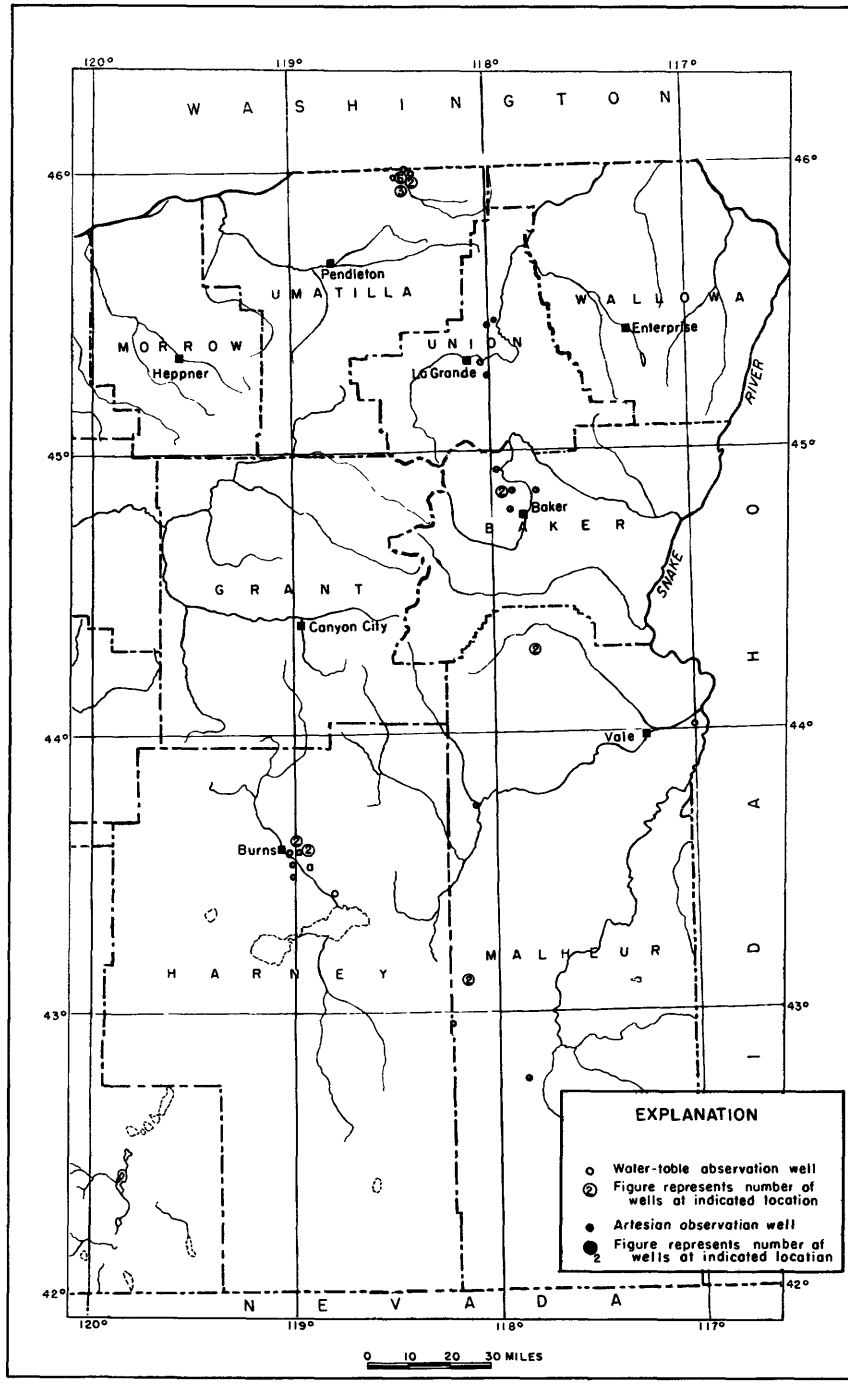


Figure 22. --Location of observation wells in eastern Oregon, 1955.

The Dalles area. --Water level in Wasco County artesian well 1N/13-32G1 was 11.6 feet lower in September 1955 than in September 1954. The level in well 2N/12-25R1, a water-table well in The Dalles formation, rose 13.6 feet during the same period. Precipitation at The Dalles was 57 percent of average; it was below average during every month except March, April, and July.

Grand Ronde Valley. --Water levels in water-table wells rose an average of about 0.3 foot. Union County artesian well 1/38-24R1 showed a rise of about 30.6 feet from the 1954 year-end water level.

Baker Valley. --Water levels declined an average of about 1.2 feet in the 6 wells measured. Net declines ranged from more than 3 feet in the western part of the valley to about 0.4 foot in the eastern part. Precipitation at Baker Airport was 52 percent of average; it was above average in July and September.

Walla Walla Basin. --In the Walla Walla River basin in the northeastern part of the State, water levels declined an average of 1.8 feet in the 14 wells measured. At the end of September, water levels in 3 wells showed a net rise of 0.2 foot to 1.4 feet. Water levels in 10 wells showed a decline of 0.2 foot to 7.8 feet. Precipitation at Milton-Freewater was 75 percent of average; April, July, and August were above average. Wells in the Walla Walla Basin are listed under Umatilla County.

Owyhee River basin. --Water levels in Malheur County declined an average of 2.2 feet. Wells 15/40-2H1 and -2N1, in a closed ground-water basin, declined 3.3 feet between January and December 1955 and 6.5 feet between September 1954 and September 1955, respectively. This decline is consistent with continuous overdraft; a decline has been noted since 1950. The rise in well 18/47-17D1 in an area heavily irrigated during the summer began at the end of April 1955 and continued to the end of the 1955 water year.

Fort Rock Basin. --Wells tapping the deeper, partly confined ground water in the Fort Rock Basin showed an average rise in water level of about 0.3 foot. Water levels in shallower wells rose about 0.2 foot. Perched water in well 29/16-9D2 declined 6.4 feet along with the level of Silver Lake, which subsided considerably. Precipitation at The Poplars was 54 percent of average. Only April, July, and September were above average in precipitation.

Summer Lake and Abert Lake basins. --Lake County artesian well 33/17-5M1 declined about 0.6 foot. The two water-table wells (35/21-21P1 and 36/26-6B1) in the Abert Lake Basin declined about 0.6 foot.

Warner Lake basin. --The water levels in 4 water-table wells in the northern part of Warner Valley showed an average decline of about 1 foot; the two water-table wells in the southern part of Warner Valley near Adel showed an average rise of about 2 feet.

Klamath Basin. --Water levels in wells penetrating the perched aquifer in the Swan Lake and Yonna Valleys declined an average of about 1.5 feet. Water-table well 38/11½-30Q1 declined about 2 feet.

Harney Basin. --In the area near Burns, water levels in wells tapping unconfined water declined an average of 0.5 foot. The water level in artesian well 22/31-34N1 rose about 5.6 feet. Precipitation at Burns was 87 percent of average; it was above average in April, July, and September.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first two segments indicate township and range; the one or two digits after the hyphen indicate the section; the letter indicates the 40-acre subdivision of the section, as shown in the diagram; and the final digit indicates the serial number of the well within the 40-acre tract. Locations in Oregon are referred to the Willamette 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.

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.)

Baker County

7/39-20N1. City of Baker. Dug water-table well in alluvium, size 18 by 18 inches, depth 9 feet, cribbed with wood to bottom, perforated 12-inch steel casing 3-7. Land-surface datum is 3,373.8 feet above msl. Highest water level 1.33 below lsd, June 22, 1952; lowest dry, Sept. 18, 1955. Records available: 1936, 1938-55. Apr. 28, 3.97; June 15, 2.85; Sept. 18, dry; Dec. 29, 4.40.

8/39-22F1. Baker County. Dug water-table well in alluvium, size 18 by 18 inches, depth 11 feet, cribbed with wood to 9, perforated 12-inch steel casing 7-11. Land-surface datum is 3,385.78 feet above msl. Highest water level 2.75 below lsd, Mar. 8, 1949; lowest 9.87 below lsd, Sept. 29, 1939. Records available: 1936, 1938-55. Jan. 20, 5.23; Apr. 28, 3.58; June 15, 5.40; Sept. 18, 7.14; Dec. 29, 4.02.

8/39-22G1. Florence Rohner. Dug unused water-table well in sand and gravel, diameter 12 inches, depth 11 feet. Land-surface datum is about 3,383 feet above msl. Highest water level 1.20 below lsd, Mar. 23, 1952; lowest dry, Sept. 18, 1955. Records available: 1949-55. Non-recording gage.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	4.64	May 7	3.35	July 9	5.00	Sept. 10	5.89
14	4.79	14	3.72	15	5.08	17	6.90
21	4.27	21	3.75	23	5.27	18	(f)
28	4.27	28	3.76	30	5.45	24	5.75
Apr. 9	2.92	June 4	3.79	Aug. 6	5.75	Oct. 1	5.18
16	2.75	10	3.80	12	5.19	8	5.81
23	2.96	18	4.70	20	5.83	29	5.83
28	2.97	25	4.83	27	5.85	Dec. 29	2.94
30	3.02	July 2	4.94	Sept. 3	5.88		

f Dry.

8/40-19D1. Baker County. Dug water-table well in alluvium, size 18 by 18 inches, depth 9 feet, cribbed with wood to bottom, perforated 12-inch steel casing 3-7. Land-surface datum is 3,341.95 feet above msl. Highest water level 0.74 below lsd, June 14, 1941; lowest 7.20 below lsd, Oct. 27, 1950. Records available: 1936, 1938-55. Apr. 28, 0.98; June 15, 3.89; Sept. 18, 5.86; Dec. 29, 1.91.

8/40-23A1. Baker County. Driven water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 8 feet, screen 6-8. Land-surface datum is 3,347.28 feet above msl. Highest water level 0.00, June 22, 1952; lowest 5.90 below lsd, Dec. 8, 1939. Records available: 1936, 1938-47, 1949-55. Apr. 28, 2.67; June 15, 3.52; Sept. 18, 4.50; Dec. 29, 2.82.

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 13.95 below lsd, Jan. 20, 1955. Records available: 1949-55. Jan. 20, 13.95; Apr. 28, 11.94; June 15, 6.66; Sept. 18, 11.80; Dec. 29, 11.67.

Benton County

14/5W-10R1. Chris Lindseth. Driven unused water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 19 feet. Land-surface datum is 267.49 feet above msl. Highest water level 0.21 above lsd, Feb. 26, 1936; lowest 16.23 below lsd, Sept. 27, 1945. Records available: 1929-30, 1935-36, 1938-55. Feb. 13, 11.57; Mar. 22, 12.14; May 28, 12.34; Aug. 2, 14.50; Sept. 6, 15.00; Nov. 6, 14.55.

Crook County

14/15-15Q1. M. D. Colahan. Drilled domestic and stock artesian well, diameter 4 inches, depth 210 feet. Land-surface datum is 2,846.8 feet above msl. Highest water level 73.5 above lsd, May 27, 1953; lowest 46.5 above lsd, July 23, 1946. Records available: 1944-55.

Jan. 24	+64.5	Feb. 28	+65.0	Apr. 11	+64.5	May 14	+55.0
Feb. 3	64.5	Mar. 7	64.5	16	65.5	26	54.0
17	63.5	13	65.0	22	66.5	June 1	56.0
21	61.5	20	65.5	May 3	58.0	16	50.0
26	65.5	Apr. 1	64.5				

14/16-19H1. Leslie Clausen. Drilled domestic water-table well in lacustrine sediments of Pleistocene age, diameter 6 inches, depth 47 feet. Land-surface datum is about 2,970 feet above msl. Highest water level 2.65 below lsd, Sept. 16, 1954; lowest 17.51 below lsd, Mar. 19, 1948. Records available: 1944, 1947-55. Jan. 24, 13.89; May 3, 17.10; June 16, 10.11; Sept. 14, 5.15; Dec. 26, 10.69.

14/16-32N1. E. E. Wagoner. Dunham and Sixth Sts., Prineville. Drilled unused artesian well, diameter 5 inches, depth 160 feet. Land-surface datum is 2,865.90 feet above msl. Highest water level 1.82 above lsd, Dec. 8, 1945; lowest 18.93 below lsd, Aug. 26, 1949. Records available: 1944-55. Jan. 24, 8.91; May 3, 6.75; June 16, 17.65; Sept. 14, 12.01; Dec. 26, 4.23.

15/16-5D1. Pacific Power & Light Co. Court Ave. and Fourth St., Prineville. Driven public-supply water-table well in alluvium along Ochoco Creek, diameter 2 inches, depth 40 feet. Land-surface datum is about 2,865 feet above msl. Highest water level 5.20 below lsd, Apr. 15, 1952; lowest 8.71 below lsd, June 16, 1955. Records available: 1947-55. Jan. 24, 7.87; May 3, 8.44; June 16, 8.71; Sept. 14, 8.56; Dec. 26, 7.58.

Harney County

22/31-34N1. L. F. Lazaus. Drilled stock artesian well in Danforth formation, diameter 18 to 8 inches, depth 288 feet. Land-surface datum is 4,153.17 feet above msl. Highest water level 1.50 below lsd, Apr. 21, 1936; lowest 13.70 below lsd, Oct. 29, 1950. Records available: 1936-55. Jan. 21, 11.54; July 20, 10.72; Sept. 17, 6.55; Nov. 9, 9.05.

23/31-3D2. Harney County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 14 feet, cribbed with wood to 12, perforated 12-inch steel casing 10-14. Land-surface datum is 4,153.12 feet above msl. Highest water level 3.00 below lsd, June 11, 1945; lowest 9.32 below lsd, Feb. 18, 1936. Records available: 1936, 1938-55. Jan. 21, 8.42; Apr. 29, 3.94; July 20, 5.86; Sept. 17, 8.44; Nov. 9, 9.00.

23/31-14A3. Harney County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 17 feet, cribbed with wood to 14, perforated 12-inch steel casing 13-17. Land-surface datum is 4,142.55 feet above msl. Highest water level 1.50 below lsd, Apr. 16, 1952; lowest 13.20 below lsd, Jan. 15, 1936. Records available: 1936, 1938-55. Jan. 21, 9.40; Apr. 29, 9.00; July 20, 8.80; Sept. 17, 9.96; Nov. 9, 9.79.

23/31-16E1. Harney County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 14 feet, cribbed with wood to 11, perforated 12-inch steel casing 10-14. Land-surface datum is 4,146.30 feet above msl. Highest water level 0.80 below lsd, Apr. 16, 1952; lowest 9.10 below lsd, Jan. 15, 1936. Records available: 1936, 1938-55. Jan. 21, 7.66; Apr. 30, 6.90; July 20, 5.46; Sept. 17, 7.36; Nov. 9, 7.72.

23/31-33E1. Harney County. Dug observation water-table well in alluvium, size 18 by 18 inches, depth 13 feet, cribbed with wood to 10, perforated steel casing 9-13. Land-surface datum is 4,134.02 feet above msl. Highest water level 0.80 below lsd, May 17, 1953; lowest 8.07 below lsd, Nov. 22, 1953. Records available: 1936, 1938-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	7.01	Apr. 10	6.59	July 10	3.03	Oct. 2	7.15
9	7.05	17	6.49	17	3.74	9	7.22
16	7.11	24	6.18	20	4.36	16	7.33
21	7.16	28	5.74	24	4.48	23	7.37
23	7.16	30	5.52	28	4.69	28	7.76
28	7.19	May 1	4.91	Aug. 8	5.34	Nov. 6	7.49
Feb. 6	7.33	8	4.31	14	5.71	13	7.53
13	7.36	15	3.61	17	6.86	20	7.56
20	7.40	22	2.91	21	6.01	27	7.56
26	7.41	28	2.70	28	6.17	28	7.56
Mar. 6	7.43	June 5	2.48	Sept. 4	6.59	Dec. 4	7.43
13	6.98	12	2.41	11	6.48	11	7.40
20	6.94	19	2.93	18	6.96	18	7.33
27	6.91	26	3.05	25	7.04	25	6.66
28	6.91	28	3.08	28	7.09	28	6.64
Apr. 3	6.64	July 3	3.06				

23/32-7L1. Harney Branch Experiment Station. Augered water-table well in alluvium, diameter 3 inches, depth 12 feet. Land-surface datum is 4,135.24 feet above msl. Highest water level 0.00, June 19, 1952; lowest 9.30 below lsd, Mar. 2, 1931. Records available: 1929-55. Apr. 30, 6.05; July 20, 2.45; Sept. 17, 5.33; Nov. 9, 6.70.

23/32-7L2. Emmett Ray. Formerly Harney Branch Experiment Station. Drilled irrigation artesian well in alluvium, diameter 18 inches, depth 93 feet, cased to 60. Land-surface datum is 4,135.24 feet above msl. Highest water level 2.56 below lsd, July 16, 1953; lowest 38.37 below lsd, July 30, 1931. Records available: 1928-55. Jan. 21, 5.80; Apr. 30, 5.41; Sept. 17, 13.34; Nov. 9, 7.70.

23/32-30R1. Harney County. Dug water-table well in alluvium, size 18 by 18 inches, depth 19 feet, cribbed with wood to 15, perforated 12-inch steel casing 15-19. Land-surface datum is 4,130.77 feet above msl. Highest water level 6.48 below lsd, June 21, 1952; lowest dry, July 9, Sept. 13, 1954, January-November 1955. Records available: 1936, 1938-55. Jan. 20, dry; Apr. 30, dry; July 20, dry; Sept. 17, dry; Nov. 7, dry.

24/31-28E1. Harney County. Dug water-table well in alluvium, size 18 by 18 inches, depth 17 feet, cribbed with wood to 15, perforated 12-inch steel casing 13-17. Land-surface datum is 4,124.44 feet above msl. Highest water level 2.76 below lsd, Apr. 16, 1952; lowest 13.06 below lsd, Sept. 8, 1936. Records available: 1936, 1938-55. Jan. 21, 10.13; Apr. 30, 8.16; July 20, 10.91; Sept. 17, 10.34; Nov. 9, 10.54.

24/32-24R1. Harney County. Drilled water-table well in alluvium, diameter 1½ inches, depth 59 feet. Land-surface datum is 4,110 feet above msl. Highest water level 42.02 below lsd, Apr. 30, 1955; lowest 51.83 below lsd, July 16, 1953. Records available: 1936, 1938-45, 1953-55. Jan. 21, 42.66; Apr. 30, 42.02; July 20, 43.02; Sept. 17, 43.68; Nov. 7, 44.86.

Klamath County

37/10-29K1. A. R. Devincenzi. Drilled stock perched water-table well, diameter 10 inches, depth 100 feet. Land-surface datum is about 4,187 feet above msl. Highest water level 8.47 below lsd, Apr. 19, 1954; lowest 13.52 below lsd, Nov. 19, 1949. Records available: 1949-55. Feb. 18, 11.98; June 28, 11.73; Aug. 25, 11.56.

37/10-29K2. A. R. Devincenzi. Drilled stock water-table well in gravel, diameter 18 inches, depth 800 feet. Land-surface datum is about 4,186 feet above msl. Highest water level 23.57 below lsd, Apr. 19, 1954; lowest 28.50 below lsd, Sept. 6, 1951. Records available: 1949-55. Feb. 18, 25.06; June 28, 25.47; Aug. 25, 25.73.

38/10-15N1. Klamath County. Drilled perched water-table well, diameter 5 inches, depth 74 feet. Land-surface datum is about 4,198 feet above msl. Highest water level 9.94 below lsd, Apr. 19, 1954; lowest 19.70 below lsd, Nov. 17, 1949. Records available: 1949-55. Feb. 18, 15.28; June 28, 16.16; Aug. 25, 15.88.

38/11½-12M2. Frank Challis. Drilled artesian well in red porous lava rock, diameter 12 inches, depth 150 feet. Land-surface datum is about 4,162 feet above msl. Highest water level 45.40 below lsd, July 21, Oct. 15, 1953; lowest 47.17 below lsd, July 11, 1950. Records available: 1949-55. Feb. 18, 46.46; June 28, 46.86; Aug. 25, 47.09.

38/11½-13G1. R. M. Robertson. Drilled irrigation artesian well in broken lava rock and cinders, diameter 16 inches, depth 183 feet. Land-surface datum is about 4,159 feet above msl. Highest water level 43.15 below lsd, Dec. 17, 1954; lowest 49.48 below lsd, June 19, 1952. Records available: 1948-55. Feb. 18, 44.79; June 28, 45.17; Aug. 25, 45.40.

38/11½-13N1. William Konig. Drilled perched water-table well in diatomaceous ash, diameter 16 inches, depth 600 feet. Land-surface datum is about 4,155 feet above msl. Highest water level 19.73 below lsd, Apr. 2, 1953; lowest 26.20 below lsd, July 11, 1950. Records available: 1948-55. Feb. 18, 23.27; June 28, 24.28; Aug. 25, 25.24.

38/11½-15R1. L. M. Hankins. Drilled irrigation artesian well in lava rock and cinders, diameter 21 inches, depth 495 feet. Land-surface datum is about 4,198 feet above msl. Highest water level 76.29 below lsd, Sept. 4, 1952; lowest 78.30 below lsd, Aug. 25, 1955. Records available: 1948, 1950-55. Feb. 18, 77.55; June 28, 78.03; Aug. 25, 78.30.

38/11½-30Q1. W. L. Whytall. Drilled irrigation water-table well in broken lava rock and cinders, diameter 14 inches, depth 175 feet. Land-surface datum is about 4,217 feet above msl. Highest water level 102.33 below lsd, Apr. 19, 1954; lowest 108.02 below lsd, Aug. 25, 1955. Records available: 1948-55. Feb. 18, 103.62; June 28, 107.04; Aug. 25, 108.02.

38-11½-32G1. L. L. Porterfield. Drilled irrigation and recharge artesian well in cinders, diameter 16 inches, depth 197 feet. Land-surface datum is 4,185 feet above msl. Highest water level 72.20 below lsd, Apr. 2, 1948; lowest 76.14 below lsd, July 27, 1954. Records available: 1948-55. June 28, 88.45, pumping.

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 44.27 below lsd, May 2, 1955; lowest 52.88 below lsd, Oct. 22, 1948. Records available: 1932, 1935-36, 1938-55. Feb. 19, 45.35; May 2, 44.27; July 19, 47.22; Sept. 15, 46.11; Sept. 23, 45.26; Oct. 27, 44.96; Nov. 6, 45.27.

26/15-22B2. U. S. Soil Conservation Service. Drilled unused well in lacustrine sediments, diameter 12 inches, depth 83 feet. Land-surface datum is about 4,313 feet above msl. Highest water level 23.24 below lsd, Oct. 15, 1954; lowest 28.07 below lsd, Feb. 18, 1950. Records available: 1940-41, 1948-55. May 2, 23.58; July 19, 23.84; Sept. 15, 24.01; Sept. 23, 24.24; Nov. 6, 24.36.

27/15-4G1. M. Y. Parks. Drilled irrigation artesian well in basaltic agglomerate, diameter 16 inches, depth 257 feet. Land-surface datum is about 4,335 feet above msl. Highest water level 36.21 below lsd, May 2, 1955; lowest 43.12 below lsd, Oct. 6, 1940. Records available: 1932, 1935-36, 1938-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	38.32	Apr. 24	38.21	July 29	b39.39	Sept. 29	38.12
Feb. 19	38.53	May 2	36.21	Aug. 28	38.33	Oct. 27	38.13
23	38.28	29	38.25	Sept. 15	38.12	Nov. 29	38.14
Mar. 28	38.21	June 26	38.61	23	38.11	Dec. 28	38.16

b Pumped recently.

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 38.90 below lsd, July 19, 1955; lowest 43.62 below lsd, Oct. 9, 1947. Records available: 1932, 1935-36, 1938-55. May 2, 39.63; July 19, 38.90; Sept. 15, 41.27; Sept. 23, 39.52; Oct. 27, 39.53.

27/17-22R2. W. D. Collins. Drilled unused water-table well in sand, diameter 8 inches, depth 54 feet. Land-surface datum is about 4,325 feet above msl. Highest water level 25.04 below lsd, Oct. 15, 1954; lowest 28.28 below lsd, Aug. 5, 1948. Records available: 1938, 1940-44, 1946-55. Feb. 19, 25.53; May 2, 25.42; July 19, 25.37; Sept. 15, 25.31; Sept. 23, 25.43; Oct. 27, 25.35.

27/18-6E2. Roy Moorehouse. Drilled unused water-table well, diameter 8 inches, depth 83 feet. Land-surface datum is about 4,317 feet above msl. Highest water level 22.57 below lsd, Sept. 15, 1943; lowest 25.19 below lsd, Apr. 1, 1953. Records available: 1940-55. Feb. 19, 24.68; May 2, 24.57; July 19, 24.52; Sept. 15, 24.62; Sept. 23, 24.66; Oct. 27, 24.67.

27/18-7N1. Rolly Hardin. Dug unused water-table well in sand, size 4 by 4 feet, depth 40 feet. Land-surface datum is about 4,316 feet above msl. Highest water level 20.59 below lsd, Apr. 15, 1952; lowest 34.96 below lsd, July 4, 1949. Records available: 1938-55. Feb. 19, 25.26; May 2, 24.16; July 19, 24.35; Sept. 15, 24.45; Sept. 23, 24.45; Oct. 27, 21.79.

28/14-23D1. Dudley S. Long. Dug unused water-table well in lake deposits, size 4 by 4 feet, depth 26 feet. Land-surface datum is about 4,343 feet above msl. Highest water level 6.29 below lsd, June 18, 1952; lowest 15.98 below lsd, Feb. 19, 1955. Records available: 1949-55. Feb. 19, 15.98; May 2, 14.95; July 19, 7.56; Sept. 15, 10.40; Sept. 23, 11.12; Nov. 6, 13.55; Dec. 4, 12.76.

29/16-9D1. Sid Harris. Drilled stock artesian well in sand, diameter 6 inches, depth 320 feet. Land-surface datum is about 4,302 feet above msl. Highest water level 6.46 below lsd, Dec. 4, 1955; lowest 10.01 below lsd, Feb. 17, 1950. Records available: 1949-55. July 19, 6.66; Sept. 15, 6.50; Sept. 23, 6.55; Nov. 6, 7.90; Dec. 4, 6.46.

29/16-9D2. Sid Harris. Drilled stock water-table well in sand, diameter 8 inches, depth 55 feet. Land-surface datum is about 4,302 feet above msl. Highest water level 0.12 below lsd, Dec. 23, 1954; lowest 14.00 below lsd, July 12, 1950. Records available: 1949-55. July 19, 2.57; Sept. 15, 6.75; Sept. 23, 6.96; Nov. 6, 7.79; Dec. 4, 7.53.

29/23-3J1. U. S. Soil Conservation Service. Drilled unused well in playa sediments of Pleistocene age, diameter 8 inches, depth 177 feet. Land-surface datum is about 4,225 feet above msl. Highest water level 18.43 below lsd, Oct. 11, 1945; lowest 19.11 below lsd, Sept. 5, 1951, Oct. 15, 1953. Records available: 1945, 1947-55. Jan. 21, 18.97; Apr. 30, 18.82; Sept. 16, 18.67; Nov. 9, 18.80; Dec. 27, 18.79.

33/17-5M1. W. H. Harvey. Drilled unused artesian well in valley fill, diameter 6 inches, depth 560 feet. Land-surface datum is about 4,295 feet above msl. Highest water level 15.00 below lsd, July 19, 1953; lowest 25.95 below lsd, Feb. 17, 1950. Records available: 1948-55. Jan. 21, 24.34; May 1, 24.52; Sept. 15, 20.79; Sept. 22, 21.49; Nov. 10, 24.45; Dec. 26, 23.81.

35/21-21P1. Del Overton. Drilled domestic and stock water-table well, diameter 3 inches. Land-surface datum is about 4,280 feet above msl. Highest water level 19.12 below lsd, June 20, 1952; lowest 22.41 below lsd, Sept. 16, 1955. Records available: 1948, 1950-55. Jan. 21, 21.97; May 1, 20.29; Sept. 16, 22.41; Sept. 22, 20.93; Nov. 10, 22.00.

35/24-9J1. U. S. Bureau of Land Management. Drilled unused artesian well in basalt, diameter 8 inches, depth 376 feet. Land-surface datum is about 4,525 feet above msl. Highest water level 7.53 below lsd, Apr. 1, 1953; lowest 8.77 below lsd, July 9, 1950. Records available: 1949-55. Jan. 20, 8.11; Dec. 27, 8.12.

36/21-6B1. S. V. Carroll. Dug unused water-table well in sand, size 8 by 8 feet, depth 21 feet. Land-surface datum is 4,321.6 feet above msl. Highest water level 10.34 below lsd, May 1, 1955; lowest 17.21 below lsd, Aug. 27, 1938. Records available: 1938-55. Jan. 21, 11.50; May 1, 10.34; Sept. 16, 11.59; Sept. 23, 11.58; Nov. 10, 11.71; Dec. 27, 11.39.

36/24-28M1. J. P. Eagan. Drilled domestic water-table well in gravel, diameter 6 inches, depth 40 feet. Land-surface datum is about 4,512 feet above msl. Highest water level 17.95 below lsd, June 19, 1952; lowest 26.06 below lsd, Jan. 5, 1952. Records available: 1948-55. Jan. 20, 25.67; May 1, 21.60; Sept. 16, 24.25; Dec. 27, 25.97.

36/24-32A1. Thomas J. Murphy. Dug stock irrigation water-table well in gravel, size 4 by 4 feet, depth 23 feet. Land-surface datum is about 4,512 feet above msl. Highest water level 10.79 below lsd, June 19, 1952; lowest 19.75 below lsd, Oct. 29, 1940. Records available: 1940, 1948-55. Jan. 20, 17.22; May 1, 14.20; Sept. 16, 16.31; Dec. 27, 17.13.

36/25-19A1. U. S. Fish and Wildlife Service. Dug unused water-table well in sand, gravel, and cobbles, diameter 24 inches, depth 6 feet. Land-surface datum is about 4,474 feet above msl. Highest water level 1.38 below lsd, Apr. 16, 1952; lowest 5.19 below lsd, Sept. 16, 1955. Records available: 1948-55. Jan. 20, 3.70; May 1, 3.78; Sept. 16, 5.19; Dec. 27, 5.15.

38/24-27M1. Charles Crump. Drilled unused artesian well in gravel, diameter 6 inches, depth 81 feet. Land-surface datum is about 4,495 feet above msl. Highest water level 0.00 several times, 1952-55; lowest 0.64 below lsd, Nov. 13, 1949. Records available: 1948-55. Jan. 20, 0.00; May 1, 0.00; Sept. 16, 0.31; Dec. 27, 0.19.

39/24-21F2. J. G. Dyke. Drilled domestic water-table well in gravel, diameter 12 inches, depth 165 feet. Land-surface datum is about 4,542 feet above msl. Highest water level 10.84 below lsd, July 9, 1950; lowest 18.96 below lsd, Apr. 18, 1954. Records available: 1948-55. Jan. 20, 18.80; May 1, 18.82; Sept. 16, 16.85; Dec. 27, 17.01.

39/24-21F3. J. G. Dyke. Dug domestic water-table well in gravel, size 6 by 6 feet, depth 16 feet. Land-surface datum is about 4,540 feet above msl. Highest water level 10.28 below lsd, July 9, 1950; lowest 17.67 below lsd, Sept. 15, 1954. Records available: 1948-55. Jan. 20, 16.62; May 1, 16.64; Sept. 16, 14.24; Dec. 27, 14.48.

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

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 1.52 below lsd, Dec. 22, 1955; lowest 11.18 below lsd, Sept. 29, 1951. Records available: 1928-30, 1935-36, 1938-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 13	5.70	Apr. 20	5.09	Aug. 31	10.22	Nov. 6	9.06
Mar. 22	5.91	May 28	6.55	Oct. 27	9.73	Dec. 22	1.52
29	5.67	Aug. 2	9.93				

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, 1938-55. Feb. 13, 10.23; Mar. 22, 10.30; May 28, 10.27; Aug. 2, 13.18, pumping; Sept. 2, 12.83; Nov. 6, 11.70.

Linn County

10/4W-12F1. Henry Hoefer. Dug domestic water-table well in gravel, diameter 24 inches, depth 25 feet, cribbed with concrete tile to bottom. Land-surface datum is 185.74 feet above msl. Highest water level 7.62 below lsd, Jan. 14, 1936; lowest 24.34 below lsd, Sept. 11, 1952. Records available: 1928-30, 1935-36, 1938-55. Feb. 12, 18.65; Mar. 21, 19.16; May 28, 18.41; Aug. 2, 22.21; Sept. 7, 23.54; Nov. 5, 21.47; Dec. 21, 10.91.

11/5W-36Q1. E. L. Beach. Drilled unused water-table well in alluvium, diameter 8 inches, depth 42 feet. Land-surface datum is 218.27 feet above msl. Highest water level 7.78 below lsd, Dec. 21, 1929; lowest dry, June-December 1954, Aug. 2, 1955. Records available: 1928-30, 1935-36, 1938-55. Feb. 12, 18.32; Aug. 2, dry.

12/2W-14B1. Sigurd H. Lanstrom. Dug irrigation water-table well in alluvium, size 5 by 5 feet, depth 16 feet, concrete wall to bottom. Land-surface datum is about 346 feet above msl. Highest water level 0.22 above lsd, Dec. 22, 1955; lowest 11.22 below lsd, Oct. 27, 1942. Records available: 1941-55. Feb. 12, -7.63; Mar. 21, -8.51; May 28, -7.88; Aug. 2, -10.19; Sept. 2, -10.80; Nov. 5, -7.96; Dec. 22, +0.22.

13/3W-34N1. Keeney School, District 51. Driven unused water-table well in alluvium, diameter 1¼ 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, 1950-55. Feb. 13, 2.57; Mar. 22, 2.92; May 28, 4.09; Aug. 2, 6.33; Sept. 2, 7.18; Nov. 6, 2.68; Dec. 22, 0.79.

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 30.46 below lsd, Sept. 18, 1955. Records available: 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	24.15	May 22	23.86	July 21	b49.40	Nov. 12	27.95
Apr. 29	23.26	June 15	b50.53	Sept. 18	30.46	Dec. 28	27.45
May 18	23.74						

b Pumped recently.

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 47.52 below lsd, Sept. 18, 1955. Records available: 1950-55.

Jan. 20	39.47	May 22	39.07	Sept. 18	47.52	Nov. 12	42.90
Apr. 29	39.00	July 21	a115.8	Oct. 4	45.10	Dec. 28	42.56
May 18	39.21						

a Pumping.

18/47-17D1. Earl Weaver. Drilled domestic water-table well, diameter 3 inches, depth 135 feet. Land-surface datum is about 2,160 feet above msl. Highest water level 6.91 below lsd, Sept. 9, 1952; lowest 11.72 below lsd, Apr. 29, 1955. Records available: 1950-55. Jan. 21, 11.16; Apr. 29, 11.72; June 16, 11.49; July 22, 8.48; Sept. 18, 7.42; Dec. 28, 8.94.

21/38-17Q1. Charles Wilson. Dug irrigation water-table well in gravel, diameter 12 inches, depth 14 feet, cribbed with concrete tile to bottom. Land-surface datum is about 2,960 feet above msl. Highest water level 3.07 below lsd, June 23, 1952; lowest 11.18 below lsd, Apr. 16, 1954. Records available: 1945-55. Jan. 21, 9.95; Apr. 29, 9.01; Sept. 17, 9.01; Dec. 28, 8.19.

28/37-23R1. Earl Obenchain. Dug domestic water-table well in gravel, diameter 4 feet, depth 30 feet, cribbed with rock to bottom. Land-surface datum is about 4,060 feet above msl. Highest water level 3.30 below lsd, Apr. 17, 1952; lowest 18.40 below lsd, Jan. 22, 1955. Records available: 1950-55. Jan. 22, 18.40; Apr. 30, 3.90; Nov. 7, 15.05.

28/37-25F1. Earl Obenchain. Drilled stock water-table well in gravel, diameter 4 inches, depth 96 feet, cased to 70. Land-surface datum is about 4,060 feet above msl. Highest water level 55.08 below lsd, Jan. 24, 1954; lowest 57.73 below lsd, Aug. 15, 1951. Records available: 1950-55. Jan. 22, 56.45; Nov. 7, 57.00.

29/37-19A1. George Renick. Drilled unused well, diameter 6 inches, depth 201 feet. Land-surface datum is about 4,067 feet above msl. Highest water level 85.23 below lsd, Dec. 30, 1952; lowest 86.12 below lsd, Nov. 7, 1955. Records available: 1950-55. Jan. 23, 86.01; Apr. 30, 85.71; Nov. 7, 86.12.

32/40-18K1. Keith Wallace. Drilled domestic 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 235.16 below lsd, Apr. 30, 1955; lowest 239.16 below lsd, Jan. 24, 1954. Records available: 1950-54. Jan. 22, 235.50; Apr. 30, 235.16; Nov. 7, 237.66.

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 0.01 below lsd, Dec. 21, 1955; lowest 21.66 below lsd, Mar. 20, 1939. Records available: 1928-30, 1935-36, 1938-55. Feb. 12, 1.19; Mar. 21, 2.41; May 28, 3.37; Aug. 1, 11.35; Sept. 6, 16.77; Nov. 5, 2.33; Dec. 21, 0.01.

4/1W-23G1. Julius Sather. Dug unused 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: 1945-55. Feb. 12, 52.28; Mar. 21, 52.74; May 28, 53.46; Aug. 1, 54.40; Sept. 6, 54.97; Nov. 5, 54.84; Dec. 21, 54.11.

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 1.60 below lsd, Dec. 21, 1955; lowest 19.90 below lsd, Dec. 5, 1939. Records available: 1928-30, 1935-36, 1938-55. Feb. 12, 11.11; Mar. 21, 10.72; May 28, 12.14; Aug. 1, 13.62; Sept. 6, 15.00; Nov. 6, 14.82; Dec. 21, 1.60.

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 0.47 above lsd, Dec. 21, 1955; lowest 18.52 below lsd, Dec. 5, 1939. Records available: 1928-30, 1935-36, 1938-55. Feb. 12, -1.96; Mar. 21, -3.29; May 28, -7.54; Aug. 1, -15.37; Sept. 6, -15.18; Nov. 5, -5.96; Dec. 21, +0.47.

5/2W-25M1. Agricultural Research Corp. (Sam H. Brown). Drilled irrigation well in sand and gravel, diameter 18 to 6 inches, depth 252 feet, casing perforated 117-147, 215-245. Land-surface datum is 180.31 feet above msl. Highest water level 13.74 below lsd, Mar. 11, 1948; lowest 25.04 below lsd, Sept. 10, 1952. Records available: 1929-30, 1935-36, 1938-55. Feb. 12, 16.03; Mar. 21, 15.79; May 28, 16.49; Aug. 1, 24.87; Sept. 6, 25.03; Nov. 5, 22.72; Dec. 21, 15.68.

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 0.04 below lsd, Dec. 21, 1955; lowest 17.50 below lsd, Dec. 5, 1939. Records available: 1928-30, 1935-36, 1938-55. Feb. 12, 1.65; Mar. 21, 2.20; May 28, 4.53; Aug. 1, 8.87; Sept. 6, 11.20; Nov. 5, 1.50; Dec. 21, 0.04.

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 16.16 below lsd, Dec. 21, 1955; lowest 33.43 below lsd, Sept. 6, 1955. Records available: 1929-30, 1935-36, 1938-55. Feb. 12, 21.98; Mar. 21, 22.61; May 28, 21.31; Aug. 2, 25.28; Sept. 6, 33.43; Nov. 5, 24.74; Dec. 21, 16.16.

7/3W-11D2. C. V. Lee. Formerly F. G. Kurtz. Drilled public-supply water-table well in sand and gravel, diameter 8 inches, depth 67 feet, perforations 45-50, 60-67. Land-surface datum is about 140 feet above msl. Highest water level 8.90 below lsd, Mar. 16, 1954; lowest 19.35 below lsd, Sept. 10, Dec. 23, 1952. Records available: 1947-55. Feb. 12, 14.48; Mar. 21, 14.27; May 28, 13.45; Aug. 2, 16.18; Sept. 7, 17.69; Nov. 5, 17.68; Dec. 21, 11.69.

7/3W-11G1. Frank Parkhurst. 1170 Candlewood Dr., North Salem. Drilled domestic water-table well in sand and gravel, diameter 4 inches, depth 44 feet. Land-surface datum is 144.19 feet above msl. Highest water level 10.92 below lsd, Mar. 16, 1954; lowest 20.33 below lsd, Sept. 7, 1955. Records available: 1947-55. Feb. 12, 15.10; Mar. 21, 15.18; May 28, 19.96; Aug. 2, 19.06; Sept. 7, 20.33; Nov. 5, 17.64; Dec. 21, 12.74.

Multnomah County

1N/1-34N1. Weisfield & Goldberg. SW. Sixth Ave. and Washington St., Portland. Drilled industrial water-table well in alluvium, diameter 8 inches, depth 155 feet. Land-surface datum is 37.20 feet above msl. Highest water level 24.24 below lsd, June 30, 1943; lowest 37.43 below lsd, Aug. 31, 1950. Records available: 1940-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	30.22	May 2	29.48	Aug. 2	28.68	Nov. 1	32.48
28	30.73	28	29.23	Sept. 2	32.04	29	30.17
Apr. 1	29.32	July 1	27.32	30	32.09	Dec. 30	28.01

Umatilla County

5N/35-1C1. Cecil Brodie. Formerly 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: 1933-55.

Jan. 17	25.32	May 9	22.50	Aug. 19	29.00	Nov. 22	23.90
Mar. 3	26.50	June 15	21.62	Sept. 19	29.00	Dec. 24	19.98
Apr. 11	22.79	July 15	26.44	Oct. 21	25.64		

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: 1933-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	20.98	May 9	17.02	Aug. 19	13.82	Nov. 22	18.32
Mar. 3	19.50	June 15	13.46	Sept. 19	15.24	Dec. 24	17.34
Apr. 11	16.56	July 14	14.39	Oct. 21	17.99		

5N/35-3H1. Walter Miller. Dug domestic water-table well in alluvium, size 42 by 42 inches, depth 37 feet, cribbed with concrete to bottom. Land-surface datum is 958.20 feet above msl. Highest water level 15.00 below lsd, Aug. 21, 1950; lowest dry several times, 1952-55. Records available: 1933-55.

Jan. 17	(f)	May 9	30.65	Aug. 19	17.04	Nov. 22	(f)
Mar. 3	(f)	June 15	19.03	Sept. 19	19.13	Dec. 22	(f)
Apr. 11	31.99	July 14	17.18	Oct. 21	35.56		

f Dry.

6N/35-14L1. Conrad Miller. Dug unused water-table well in alluvium, diameter 7 feet, depth 15 feet, cribbed with concrete to 8. Land-surface datum is 789.76 feet above msl. Highest water level 3.47 below lsd, Aug. 8, 1933; lowest 10.97 below lsd, Aug. 11, 1945. Records available: 1933-55.

Jan. 17	9.52	May 9	9.26	Aug. 19	9.23	Nov. 22	9.39
Mar. 3	9.49	June 15	a14.94	Sept. 19	8.95	Dec. 24	6.81
Apr. 11	9.38	July 15	8.96	Oct. 21	8.34		

a Pumping.

6N/35-20G1. McBride. Dug irrigation water-table well in gravel, size 5 by 5 feet, depth 18 feet. Land-surface datum is 736.32 feet above msl. Highest water level 1.08 below lsd, July 5, 1933; lowest dry, May 4, Aug. 16, Sept. 17, 1954. Records available: 1933-55.

Jan. 17	6.82	May 9	7.44	Aug. 19	a20.79	Nov. 22	6.88
Mar. 3	9.78	June 15	a21.43	Sept. 19	11.79	Dec. 24	7.26
Apr. 11	9.22	July 14	a21.11	Oct. 21	8.42		

a Pumping.

6N/35-20Q1. R. P. Lile. Dug irrigation water-table well in gravel, size 5 by 5 feet, depth 38 feet. Land-surface datum is 762.89 feet above msl. Highest water level 9.51 below lsd, July 12, 1954; lowest dry several times, 1953-55. Records available: 1933-55.

Jan. 17	36.00	May 9	34.63	Aug. 19	35.52	Nov. 22	33.85
Mar. 3	(f)	June 15	33.84	Sept. 19	(f)	Dec. 24	36.44
Apr. 11	(f)	July 14	30.33	Oct. 21	35.10		

f Dry.

6N/35-24Q1. Everett Miller. Dug and drilled water-table well in gravel, size 6 by 6 feet to 10-inch diameter, depth 165 feet. Land-surface datum is 864.30 feet above msl. Highest water level 7.65 below lsd, July 29, 1948; lowest 24.10 below lsd, Aug. 11, 1936. Records available: 1933-55.

Jan. 17	10.86	May 9	10.11	Aug. 19	14.84	Nov. 22	10.39
Mar. 3	11.01	June 15	10.15	Sept. 19	16.64	Dec. 24	8.47
Apr. 11	10.40	July 15	11.15	Oct. 21	11.47		

6N/35-26C2. Earl Ransom. Dug and drilled irrigation water-table well in gravel, size 6 by 6 feet to 8-inch diameter, depth 46 feet. Land-surface datum is 867.12 feet above msl. Highest water level 7.81 below lsd, May 25, 1939; lowest 28.75 below lsd, Apr. 26, 1941. Records available: 1933-55.

Jan. 17	21.99	May 9	24.62	Aug. 19	22.23	Nov. 22	18.02
Mar. 3	24.08	June 15	11.22	Sept. 19	16.08	Dec. 24	17.16
Apr. 11	22.67	July 15	13.14	Oct. 21	18.15		

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: 1933-55.

Jan. 17	14.48	May 9	11.21	Aug. 19	10.45	Nov. 22	11.19
Mar. 3	16.14	June 15	9.80	Sept. 19	10.08	Dec. 24	12.18
Apr. 11	12.22	July 14	9.34	Oct. 21	9.09		

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 2.05 below lsd, June 15, 1955; lowest 29.08 below lsd, Mar. 2, 1949. Records available: 1933-55.

Jan. 17	24.93	May 9	18.90	Aug. 19	18.55	Nov. 22	17.37
Mar. 3	28.61	June 15	2.05	Sept. 19	25.75	Dec. 24	23.17
Apr. 11	20.57	July 14	9.20	Oct. 21	10.85		

6N/35-30M1. Thad Shepherd. Dug domestic water-table well in gravel, size 5 by 5 feet, depth 30 feet, cribbed with concrete to 10. Land-surface datum is 687.21 feet above msl. Highest water level 11.10 below lsd, June 25, 1946; lowest 36.19 below lsd, Apr. 2, 1953. Records available: 1933-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	22.68	May 9	26.89	Aug. 19	24.10	Nov. 22	21.30
Mar. 3	27.07	June 15	22.88	Sept. 19	27.67	Dec. 24	22.29
Apr. 11	26.58	July 14	22.54	Oct. 21	25.58		

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 dry, Jan. 17, 1955. Records available: 1933-55.

Jan. 17	(f)	May 9	42.93	Aug. 19	45.97	Nov. 22	48.29
Mar. 3	49.70	June 15	23.52	Sept. 19	36.90	Dec. 24	49.25
Apr. 11	47.36	July 14	23.95	Oct. 21	39.56		

f Dry.

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: 1933-55.

Jan. 17	29.42	May 9	24.45	Aug. 19	35.15	Nov. 22	25.48
Mar. 3	34.05	June 15	17.16	Sept. 19	33.21	Dec. 24	19.66
Apr. 11	16.33	July 14	31.36	Oct. 21	35.70		

6N/35-36H1. Walter Herman. Dug domestic well in gravel, size 4 by 4 feet, depth 44 feet, cribbed with concrete to 18. Land-surface datum is 929.75 feet above msl. Highest water level 5.88 below lsd, June 20, 1933; lowest 42.80 below lsd, Apr. 11, 1941. Records available: 1933-55.

Jan. 4	33.42	Apr. 1	38.93	June 23	11.85	Oct. 7	27.00
8	33.28	4	38.76	29	12.83	13	28.43
14	33.52	8	38.47	July 2	13.39	16	28.81
17	33.65	14	36.85	9	16.55	19	28.84
21	34.28	19	34.32	13	18.05	21	29.57
24	34.63	24	33.61	18	19.19	30	31.50
28	34.73	28	33.47	23	20.40	Nov. 5	32.31
Feb. 2	34.17	May 1	33.41	26	21.73	11	32.51
7	33.87	4	32.85	28	22.36	15	33.11
12	33.71	7	30.98	Aug. 2	22.43	20	33.15
15	34.18	10	28.50	6	23.01	23	32.27
21	35.05	13	23.99	9	23.80	28	31.40
23	35.27	17	21.20	13	24.27	Dec. 2	31.50
26	35.65	22	19.55	17	24.42	6	32.22
Mar. 1	36.07	26	17.23	23	25.24	13	33.61
5	36.85	28	17.32	29	26.52	19	32.08
7	37.15	June 2	16.97	Sept. 4	27.14	21	31.02
10	37.52	6	15.41	11	28.40	23	29.69
14	37.97	10	14.08	19	27.29	26	25.99
18	37.82	14	12.15	26	26.16	27	24.93
21	37.6	17	12.18	30	26.47	29	23.98
28	38.48						

Union County

1/38-24R1. H. L. Wagner. Drilled irrigation artesian well in basalt, diameter 12 to 8 inches, depth 1,150 feet, cased to bottom. Land-surface datum is about 2,735 feet above msl. Highest water level 107.0 above lsd, Dec. 30, 1951; lowest 53.0 above lsd, Aug. 13, 1951. Records available: 1950-55. Jan. 19, +101.20; Apr. 28, +105.33; June 14, +85.80, pumping; Sept. 19, +74.10; Dec. 29, +103.10.

1/39-17L1. A. F. Furman. Drilled domestic water-table well in sand, diameter 4 inches, depth 46 feet. Land-surface datum is about 2,735 feet above msl. Highest water level 12.49 below lsd, Aug. 5, 1953; lowest 25.55 below lsd, Oct. 21, 1942. Records available: 1940-55. Jan. 19, 14.97; Apr. 28, 12.70; June 14, 13.29; Sept. 19, 14.38; Dec. 29, 14.90.

3/38-10B1. Union County. Dug water-table well in sand and gravel, size 18 by 18 inches, depth 11 feet, cribbed with wood to bottom, perforated 12-inch steel casing 7-10. Land-surface datum is 2,727.88 feet above msl. Highest water level 5.13 below lsd, Mar. 26, 1953; lowest 8.15 below lsd, Dec. 8, 1939. Records available: 1936, 1938-55.

3/38-10B1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	5.94	June 24	6.36	Sept. 2	6.82	Nov. 14	6.13
Apr. 28	5.70	July 1	6.30	13	6.79	23	5.96
May 13	5.93	11	6.23	19	6.68	29	5.73
20	5.97	18	6.40	23	6.67	Dec. 9	5.69
31	6.10	25	6.47	29	6.57	16	5.69
June 3	6.13	29	6.35	Oct. 18	6.36	23	5.32
10	6.24	Aug. 7	6.54	21	6.34	29	5.41
14	6.38	21	6.72	Nov. 9	6.14	30	5.43
17	6.34	27	6.77				

3/38-25B1. Union County. Dug water-table well in sand and gravel, size 18 by 18 inches, depth 13 feet, cribbed with wood to 12, perforated 12-inch steel casing 9-13. Land-surface datum is 2,706.83 feet above msl. Highest water level 6.07 below lsd, Mar. 16, 1948; lowest 11.49 below lsd, Oct. 10, 1940. Records available: 1936, 1938-55. Jan. 19, 8.79; Apr. 28, 7.54; June 14, 8.04; Sept. 19, 9.11; Dec. 29, 7.63.

Wasco County

1N/13-23D1. Kranberg Bros. Formerly Cherry Hill District Improvement Co. Drilled irrigation well in Yakima basalt, diameter 12 to 10 inches, depth 301 feet, cased to 193. Land-surface datum is about 623 feet above msl. Highest water level 220 below lsd, Oct. 10, 1947; lowest 260 below lsd, Sept. 28, 1955. Records available: 1947-55. June 13, 258; Sept. 28, 260.

1N/13-32G1. Milton Martin. Drilled irrigation artesian water-table well in basalt, diameter 8 inches, depth 336 feet, cased to 44. Land-surface datum is about 1,170 feet above msl. Highest water level 186.5 above lsd, Apr. 1, 1953; lowest 73.16 above lsd, July 5, 1950. Records available: 1946-55. Jan. 17, +181.68; June 13, +93.90, pumping; Sept. 28, +93.90; Dec. 29, +180.90.

1N/13-32H1. Earl Lash. Drilled irrigation domestic artesian well in basalt, diameter 6 inches, depth 179 feet, cased to 65. Land-surface datum is about 1,200 feet above msl. Highest water level 77.00 above lsd, July 6, 1954; lowest 29.7 above lsd, May 5, 1947. Records available: 1947-51, 1953-55. Jan. 17, +56.28; June 13, +75.92; Sept. 28, +50.51; Dec. 29, +53.98.

2N/12-25R1. Mr. Kuck. Formerly Ward Weber. Drilled irrigation water-table well in sandstone in The Dalles formation, diameter 8 inches, depth 443 feet, cased to 250. Land-surface datum is about 500 feet above msl. Highest water level 66.20 below lsd, May 1, 1955; lowest 151.54 below lsd, Aug. 6, 1953. Records available: 1947-55. Jan. 17, 69.20; May 1, 66.20; June 13, 98.28; Sept. 28, 112.67; Dec. 29, 107.82.

Washington County

1/1W-21R1. Elinore Shively. Drilled domestic and stock water-table well in basalt, diameter 6 inches, depth 145 feet, cased to 20. Land-surface datum is about 285 feet above msl. Highest water level 98.91 below lsd, May 5, 1948; lowest 130.36 below lsd, Sept. 27, 1952. Records available: 1948-55. Mar. 22, 115.31; May 29, 113.91; Aug. 9, 117.94; Sept. 6, 120.54; Nov. 29, 117.79; Dec. 20, 117.40.

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, 1938-55. Feb. 12, 10.98; Mar. 21, 11.30; May 28, 13.65; Aug. 1, 34.28; Sept. 6, 21.56; Nov. 5, 17.02; Dec. 21, 23.80.

UTAH

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

Scope of Water-Level Program

The observation-well program in Utah, begun in 1935, was continued in 1955 in cooperation with the State Engineer. Investigations were continued in the principal pumping districts of southwestern Utah, namely, the Beryl-Enterprise and Milford districts of Escalante Valley, Cedar City Valley, and Parowan Valley. Detailed ground-water studies were continued in the East Shore area in connection with the Weber Basin project in cooperation with the Bureau of Reclamation. A ground-water study was made in the Monticello area of southeastern Utah in cooperation with the Atomic Energy Commission. Ten pumping tests were run on a group of supply wells drilled in the vicinity of the Atomic Energy Commission's uranium ore processing plant at Monticello. During 1955 a total of 3,163 static water-level measurements were made in 1,017 selected observation wells scattered through 42 ground-water areas of the State. In addition, recording gages were maintained on 53 wells. The records of 274 of these observation wells, including 22 recording gages, are given in this report.

The records of other wells listed in previous annual reports may be examined in the open file at the Utah district office of the Ground Water Branch, U. S. Geological Survey, 503 Federal Building, Salt Lake City, Utah. In addition, some records of water-level measurements are included in special project reports that are published separately. The water-level report does not include more than 1,200 pumping measurements made in approximately 400 irrigation wells during the pumping season.

The following table shows by counties and areas the number of observation wells measured in Utah during 1955, the number of measurements made in these wells, and the number of recording gages maintained.

Distribution by counties and areas of observation wells in Utah, 1955

County and area	Number of observation wells	Number of wells reported	Number of water-level measurements	Number of recording gages
Beaver				
Beaver Valley	11	4	20	0
Escalante Valley	103	17	305	3
Box Elder				
East Shore area	10	4	67	1
Lower Bear River Valley	4	1	4	0
Blue Springs Valley	2	1	2	0
Curlew Valley	8	3	12	0
Grouse Creek Valley	7	3	7	1
Park Valley	6	2	6	0
Raft River Valley	5	2	5	0
Cache				
Cache Valley	19	8	32	1
Davis				
East Shore area	77	14	396	4
Duchesne				
Uinta Basin	20	8	34	0
Garfield				
East Sevier Valley	3	3	3	0
Upper Sevier Valley	17	2	17	0
Grand				
Colorado River area	6	3	1	0
Iron				
Cedar City Valley	52	16	166	2
Escalante Valley	90	38	198	3
Parowan Valley	33	9	82	1

Distribution by counties and areas of observation wells in Utah, 1955--Continued

County and area	Number of observation wells	Number of wells reported	Number of water-level measurements	Number of recording gages
Juab				
Juab Valley	18	6	31	3
Snake Valley	6	2	0	0
Millard				
Escalante Valley	3	1	9	0
Pavant Valley	41	9	62	2
Sevier Desert	41	7	72	0
Snake Valley	13	3	1	0
Morgan				
Morgan Valley	11	6	19	0
Piute				
Grass Valley	3	1	3	0
Upper Sevier Valley	4	1	4	0
Rich				
Bear Lake Valley	9	4	9	0
Upper Bear River Valley	14	7	12	0
Salt Lake				
Jordan Valley	29	8	92	4
San Juan				
Spanish Valley-La Sal area	8	4	6	1
Sage Plain	14	4	93	2
Bluff area	3	0	0	0
Sanpete				
Central Sevier Valley	4	2	7	0
Sanpete Valley	27	8	46	1
Sevier				
Central Sevier Valley	6	4	10	0
Grass Valley	4	1	4	0
Summit				
Rhodes Valley	6	2	10	0
Weber Canyon	2	0	3	0
Tooele				
Rush Valley	11	3	16	0
Tooele Valley	15	9	26	2
Skull Valley	10	0	23	1
Uintah				
Uinta Basin	20	7	54	0
Utah				
Cedar Valley	7	1	10	0
Goshen Valley	3	1	5	0
Utah Lake Valley	36	10	52	3
Wasatch				
Heber Valley	7	2	12	3
Washington				
Escalante Valley	7	3	20	1
Virgin River area	7	5	7	1
Wayne				
Fremont Valley	4	3	4	0
Weber				
East Shore area	146	11	1,074	9
Ogden Valley	5	2	10	4
Total	1,017	275	3,163	53

Two ground-water papers, "Sedimentary features in the Lake Bonneville group in the East Shore area near Ogden," by J. H. Feth, and "Résumé of the Tertiary and Quaternary stratigraphy of Ogden Valley," by B. E. Lofgren, were published by the Utah Geological Society in the Guidebook to the geology of Utah No. 10, "Tertiary and Quaternary geology of the eastern Bonneville Basin."

A report on the Atomic Energy Commission's supply wells in the vicinity of a uranium ore processing plant near Monticello, Utah, was prepared by W. B. Nelson. At the request of the Commission, this report will be withheld from the open file until 1957.

Precipitation

In general, 1955 was cooler than usual, but only as a result of the very cold first 7 months outweighing the warm final 5 months in the yearly averages. Precipitation was lighter than usual in most places, but yearly totals exceeded normal by considerable amounts in most of the northwestern part of the State. Mountain snowfall was heavy during winter months in the north, especially in December. The southwestern, eastern, and west-central parts were dry most of the

year. Agriculture, after a difficult dry period early in the year, was greatly improved by late summer rains, except in parts of eastern, southern, and western Utah where there was not enough precipitation to overcome accumulated deficiencies. Although not as dry as 1953 and 1954, 1955 was dry enough over much of the State to create difficulties. Although the Utah 1955 average, 11.79 inches, was only 1.39 inches (11 percent) below normal, the fact that this small deficiency followed 2 dry years increased its effect and importance. The early part of the growing season was also dry. The southwestern part of the State had a yearly average deficiency of 3.41 inches, the average 8.29-inch total being only 71 percent of normal. Many southern stations were even drier than in 1954. As a result, ground-water levels continued to decline in this part of the State. The wettest places, in general, were in the higher elevations around the Salt Lake City area.

Interpretation of Water-Level Fluctuations

In general, water levels in observation wells in the southwestern part of Utah declined from January 1950 through December 1955 in response to the extended drought and as a result of the accelerated use of ground water for irrigation. In the northern part of the State, water levels in most observation wells declined from January 1953 through December 1955. The hydrographs of 14 selected observation wells are shown in figures 23-27. The hydrographs of these wells have been selected as being representative of water-level trends throughout the State. Although significant seasonal variations in water level have been measured in each of these wells, only year-end readings have been used in the hydrographs to show annual changes in ground-water storage.

As noted in the hydrographs of Cache County well (A-12-1)29bdd-1 in Cache Valley and Tooele County well (C-2-4)33add-1 in Tooele Valley in northern Utah (fig. 23), year-end water levels have remained relatively constant or have risen slightly from December 1940 through December 1955. The end-of-year water level in Cache County well (A-12-1)29bdd-1 has declined slightly since 1952, but the 1955 end-of-year measurement was about 4 feet higher than at the beginning of record in 1940. The water level in Tooele County well (C-2-4)33add-1 rose steadily from December 1939 through December 1947, when it reached the highest year-end stage, which was 15 feet higher than the low point at the end of 1939. This rise was in response to recharge from water flowing from the Elton Tunnel about 3 miles to the southeast. Since 1947, the year-end water levels have declined slightly, as a result of increased ground-water development and below-normal precipitation. The cumulative departure from normal during the period 1948-55 amounted to about 14 inches. The water level in Salt Lake County well (D-2-1)4dbd-4 in Holladay reached the lowest stage during the entire period of record (January 1931-December 1955) at the end of 1934. The year-end water level rose to about 3 feet above land surface from 1935 to 1942 and was fairly constant until 1951. The water level then rose sharply, reaching the highest stage for the period of record at the end of 1952 as a result of above-normal runoff during 1952. The end-of-year water level declined from 1952 to 1955, reaching a point about 5 feet higher than during the lowest stage at the end of 1934.

The hydrographs of Box Elder County well (B-8-2)23cdb-1, Weber County well (B-5-2)4cdd-1, and Davis County well (A-2-1)19dbc-1 in the East Shore area are shown in figure 24. The year-end water level in well (B-8-2)23cdb-1 rose gradually from 1935 to the end of 1945 when the highest year-end stage for the period of record occurred. The year-end water level declined slightly from 1946 through 1953. A decline of 5.59 feet in 1954 was followed by a rise of about 5 feet during 1955. At the end of 1955, the water level was more than 6 feet higher than it was at the beginning of record in 1935. The hydrograph of Weber County well (B-5-2)4cdd-1 near Ogden shows a decline in water level from January 1937 to the end of 1951 and a very sharp rise during 1952 in response to the abnormally high spring runoff of 1952. The year-end water level declined in 1953 and 1954, reaching a new alltime low stage at the end of 1954. During 1955 the water level rose slightly. The hydrograph of Davis County well (A-2-1)19dbc-1 at Bountiful shows a sharp decline in year-end water level from 1938 to 1940 and a marked rise in 1941 and 1942. The year-end water level was relatively constant from 1942 to 1950 when the highest year-end stage for the period of record was reached. From January 1951 to December 1955, the water level in the Bountiful well declined, the greatest yearly change occurring in 1954. The lowest year-end stage for the period of record was reached in 1955 when the water level was 18 feet lower than at the end of 1950. The pumping of several new wells in the immediate vicinity of the Bountiful observation well undoubtedly contributed to the water-level decline.

The hydrographs of Utah County well (D-5-1)14adb-1 in American Fork, Millard County well (C-21-5)21aba-1 near Flowell, and Sevier County well (C-23-2)19dab-1 near Richfield are shown in figure 25. The water level in well (D-5-1)14adb-1 reached the lowest year-end stage during its period of record in 1941 and rose to the highest year-end stage in 1952, a net rise of about 19 feet. The water level in Millard County well (C-21-5)21aba-1 rose gradually from January 1933 to December 1948 when the highest year-end stage during the entire period of record was observed. In December 1948, the water level was about 2 feet above land surface; in December 1935, the water level was about 16 feet below land surface. From December 1948 through December 1955, the water level declined about 13 feet in response to the increased use of ground water for irrigation as a result of below-normal precipitation. The water level in Sevier County well (C-23-2)19dab-1 rose significantly from January 1936 to December 1942 when an alltime year-end high was reached. The water level fluctuated as much as 20 feet during the period from January 1936 through December 1954. The net rise during this period amounted to about 11 feet.

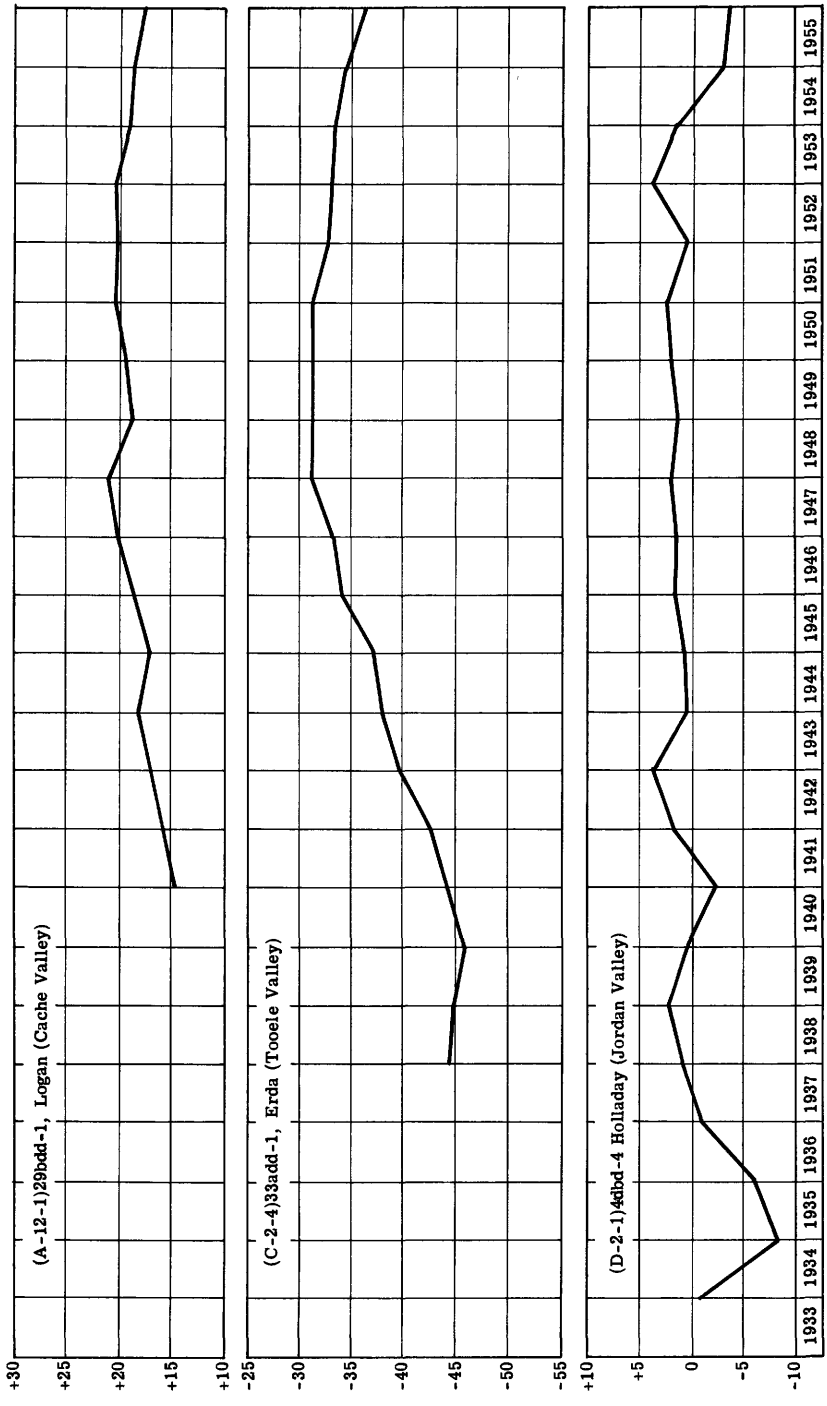


Figure 23.--Water levels in wells (A-12-1)29bdd-1, (C-2-4)33add-1, and (D-2-1)4dbd-4 in northern Utah.

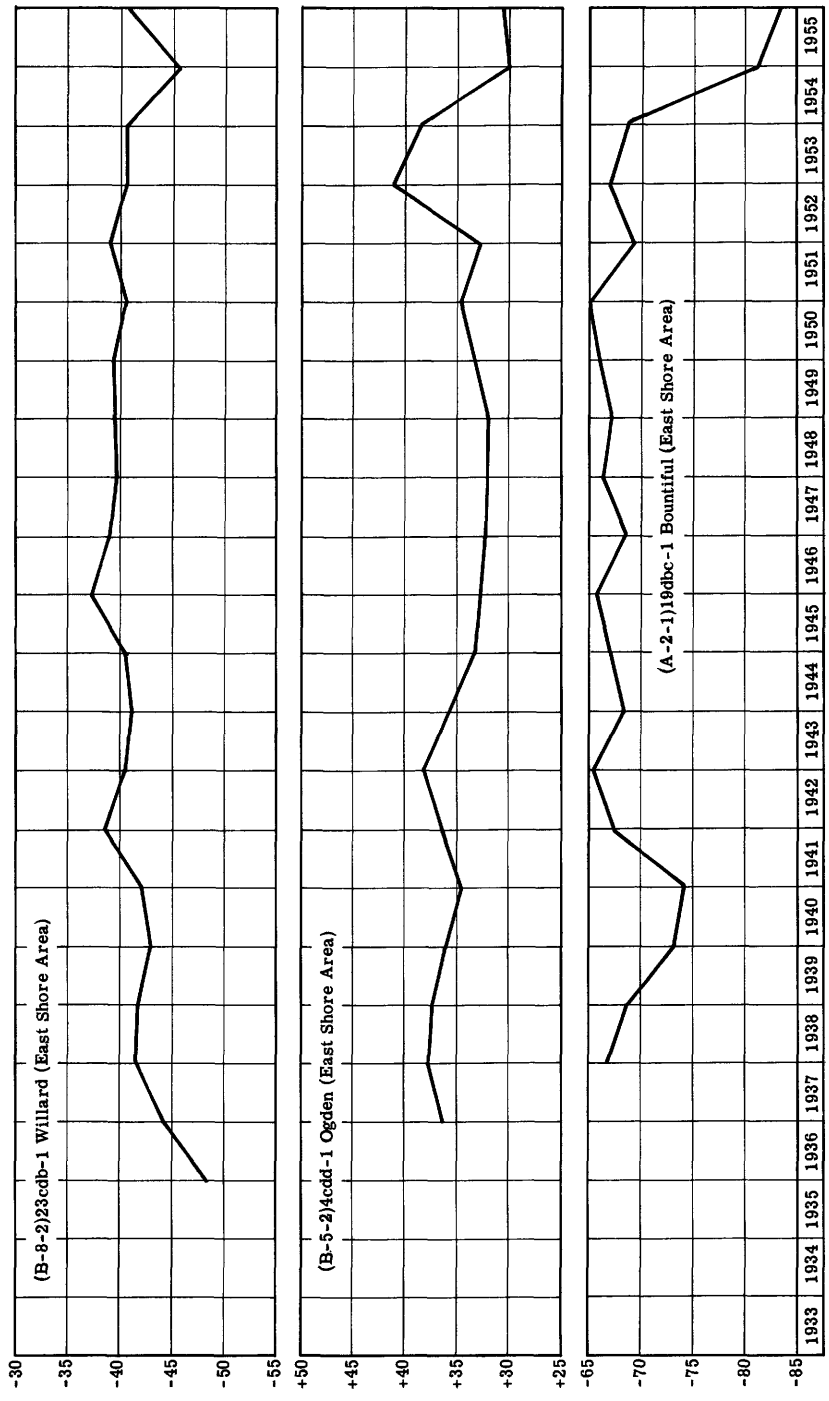


Figure 24.--Water levels in wells (B-8-2)23cdb-1, (B-5-2)4cdd-1, and (A-2-1)19dbc-1 in northern Utah.

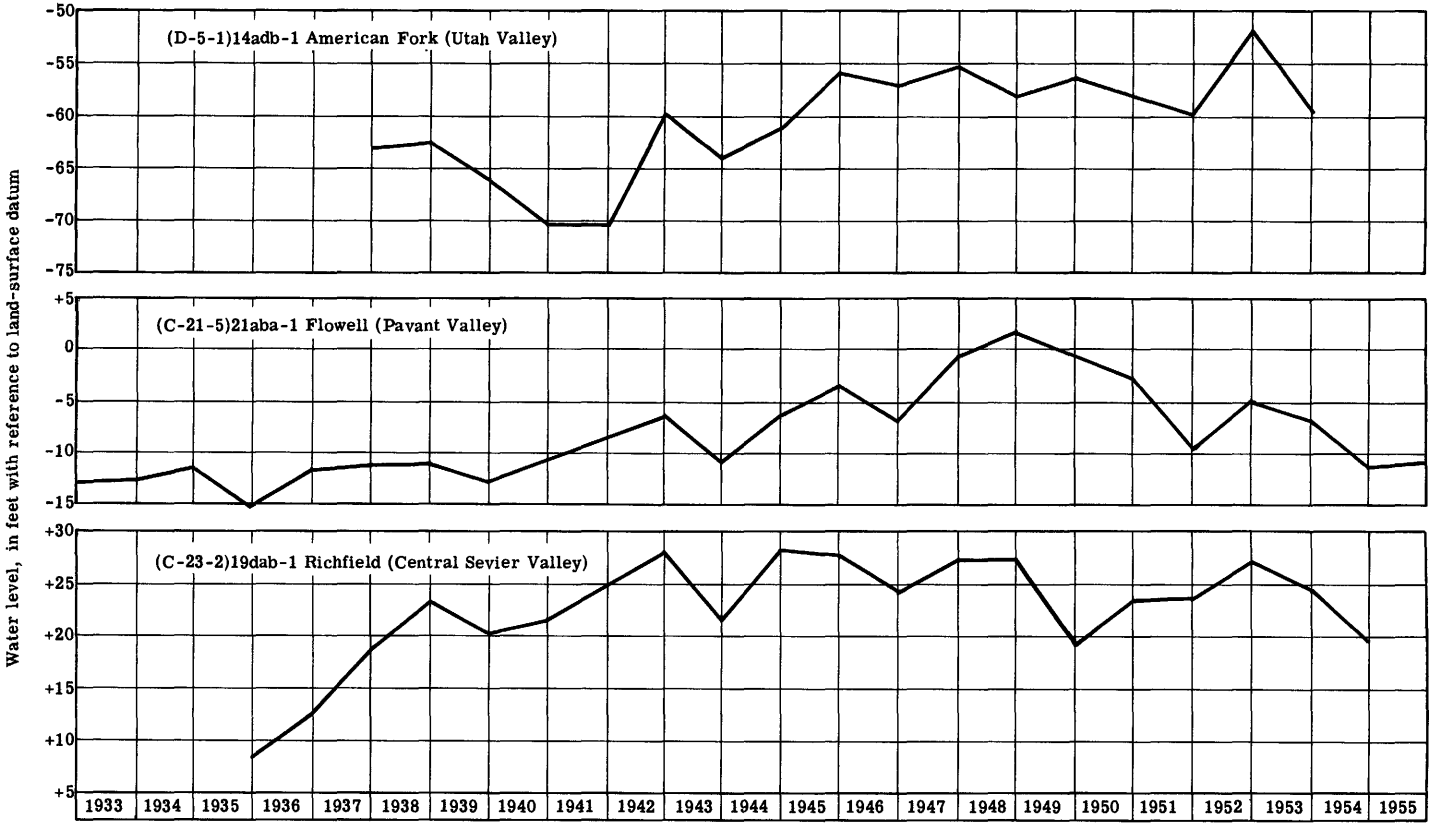


Figure 25. --Water levels in wells (D-5-1)14adb-1, (C-21-5)21aba-1, and (C-23-2)19dab-1 in central Utah.

From December 1949 through December 1952, the water level rose about 8 feet; from December 1952 through December 1954, it declined about 8 feet. Water-level measurements were discontinued when the well was put back into continuous service for watering livestock, making further measurements of artesian head impossible.

The hydrographs of Sanpete County well (D-16-3)32ddc-2 near Ephraim and Beaver County well (C-29-10)6ddc-1, replaced by 6ddc-2 in 1953, near Milford are shown in figure 26. The water level in well (D-16-3)32ddc-2, which reached its lowest year-end stage during the period of record in 1939, rose about 12 feet from December 1939 through December 1942. The water level, which rose sharply in response to the unusually high runoff in 1952, declined significantly from December 1952 through December 1955, the net decline amounting to about 12 feet. This well records the changes of water level in a relatively small, steeply inclined ground-water basin. By contrast, Beaver County well (C-29-10)6ddc-2 is in the center of a large group of irrigation wells pumping from an exceptionally large underground reservoir. In general, water-level trends in the Milford district have been downward since 1939 in response to abnormally low precipitation and accelerated pumping, although the quantities of ground water in storage are large, as compared to seasonal changes in storage. The water level in well (C-29-10)6ddc-2 declined steadily from December 1949 through December 1955, the net decline amounting to about 18 feet. The water level reached the lowest stage in its 23-year record at the end of 1955, when the net decline amounted to about 11 feet.

The hydrographs of Iron County wells (C-33-9)34dcd-1 in Parowan Valley, (C-35-11)33aac-1 in Cedar City Valley, and (C-35-17)25cdd-1 in the Beryl-Enterprise district are shown in figure 27. During the period from January 1950 through December 1955, the water level in well (C-33-9)34dcd-1 declined about 22 feet. The net decline in water level during the 20-year period of record is about 10 feet. This well is in area that has been closed to further ground-water development by the State Engineer. The year-end water level in well (C-35-11)33aac-1 declined from December 1949 to December 1955, except for a 4-foot rise in 1952 in response to high runoff in Coal Creek, the principal source of recharge for Cedar City Valley. The net decline in year-end water level from 1949 to 1955 amounted to about 22 feet; the net decline for the 25-year period of record amounted to about 28 feet. The ground water in the pumping district in Cedar City Valley is considered to be fully appropriated. The Utah State Engineer has not authorized drilling of irrigation wells there since 1942, except as replacements for wells having established rights. In spite of this regulation, water levels in 1955 were the lowest of record, being 5 to 14 feet lower than the minimums during the drought of the 1930's. This recession is attributed to the current drought in large part. In the 6 years ending October 1, 1955, precipitation at Cedar City was markedly less than in any other 6-year period in the past 50 years, and stream runoff has been likewise far below average. Water levels in the Beryl-Enterprise district, on the other hand, reflect the gradual unwatering of an exceptionally large underground reservoir. The water level in well (C-35-17)25cdd-1 in the center of this extensive district declined steadily from January 1946 through December 1955, the net decline amounting to about 13 feet.

Acknowledgments

Water-level records from several observation wells in Salt Lake Valley are furnished through informal cooperation with the Salt Lake City Corporation. Records of 230 observation wells, including 14 recording gages in the East Shore area of Weber and Davis Counties and 3 recording gages in Wasatch County, were furnished by the Bureau of Reclamation.

Well-Numbering System

The well number indicates the location of the well with reference to land subdivision, according to the system adopted by the State Engineer. By this system (described in the 20th Biennial Report), the State is divided into four quadrants by the Salt Lake base and meridian. These quadrants are designated by capital letters, thus: A for the northeast quadrant, representing townships north, ranges east; B for the northwest quadrant; C for the southwest; and D for the southeast. Numbers designating the township and range follow the quadrant letter, and all three are enclosed in parentheses. Thus, in well number (C-28-7)21daa-1, the part within parentheses indicates that the well is in T. 28 S., R. 7 W. The number after the parentheses designates the section. The lowercase letters give the location of the well within the section, the first letter indicating the quarter section and the other letters the location within the quarter section down to a 10-acre tract. Thus, (C-28-7)21daa-1 represents the first well listed as an observation well in the $NE\frac{1}{4}NE\frac{1}{4}SE\frac{1}{4}$ sec. 21, T. 28 S., R. 7 W. In the area surveyed from the Uinta special base and meridian (in Duchesne and Uintah Counties), the well numbers are preceded by the capital 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; the application numbers refer to wells completed since that date.

Well Descriptions and Water-Level Measurements

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

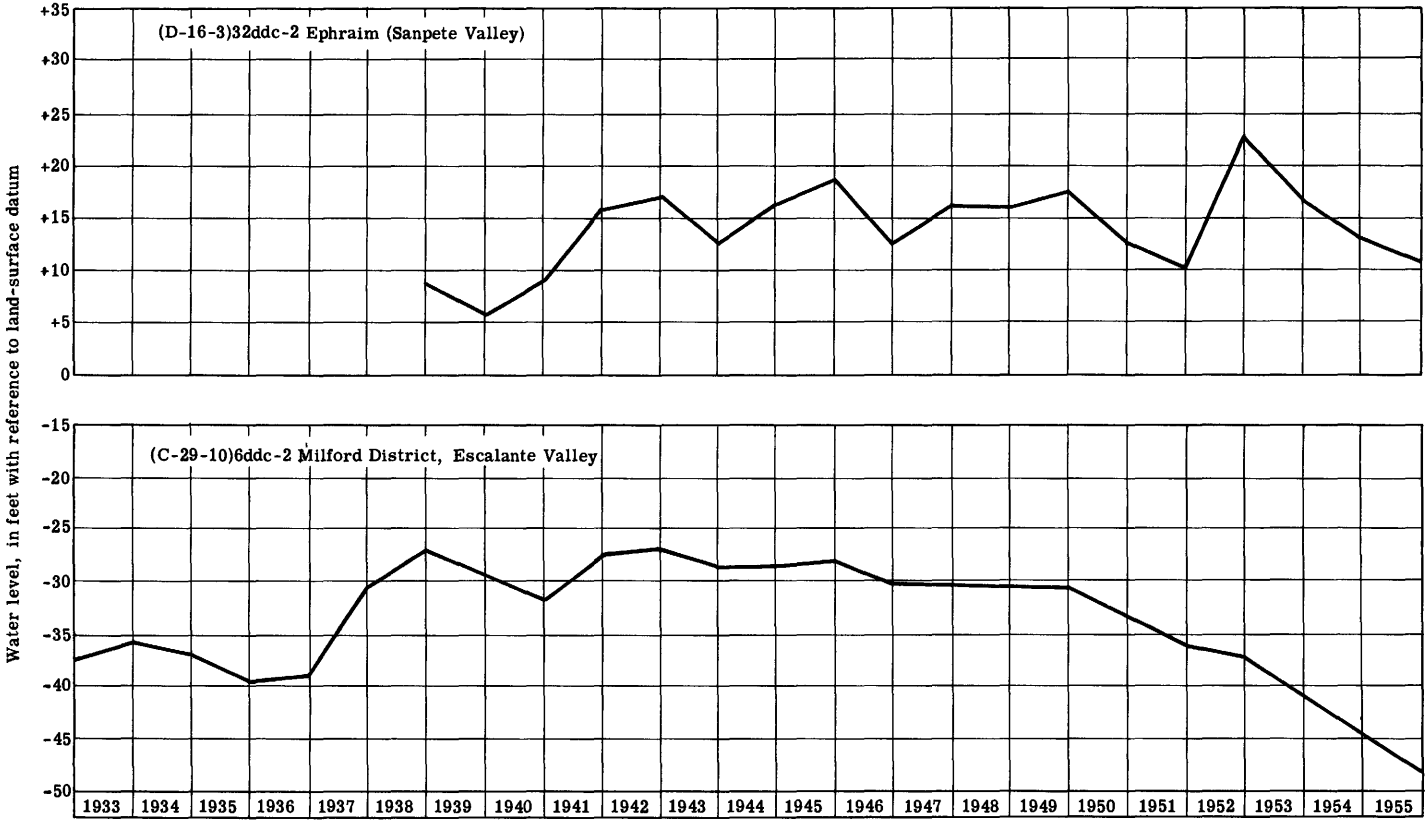


Figure 26. --Water levels in wells (D-16-3)32ddc-2, Sanpete Valley, and (C-29-10)6ddc-2, Escalante Valley, Utah.

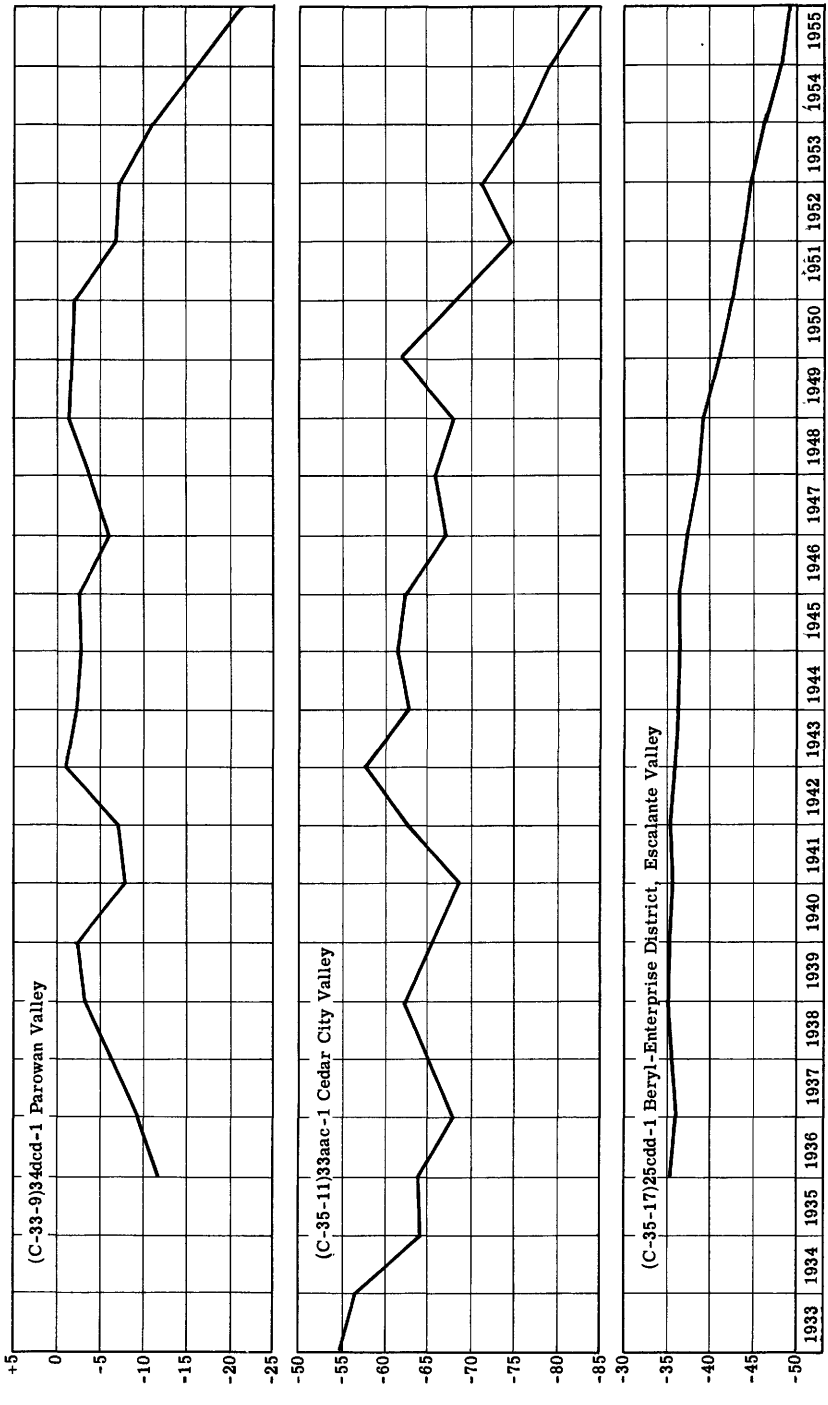


Figure 27.--Water levels in wells (C-33-9)34dcd-1, (C-35-11)33aac-1, and (C-35-17)25cdd-1 in Iron County, Utah.

Beaver County

Beaver Valley

(C-28-7)21daa-1. E. F. Baldwin. Dug domestic water-table well in alluvium, diameter 48 to 36 inches, depth 30 feet. Land-surface datum is 6,149.1 feet above msl. Highest water level 6.75 below lsd, June 24, 1952; lowest 27.97 below lsd, Apr. 27, 1939. Records available: 1935-55. Mar. 15, 25.20; Nov. 29, 25.00.

(C-29-7)21baa-1. State application 21717. John R. and J. Ellis Yardley. Drilled irrigation artesian well in alluvium, diameter 12 to 6 inches, depth 415 feet, cased to 380. Land-surface datum is 5,865.2 feet above msl. Highest water level 0.08 below lsd, June 24, 1952; lowest 26.43 below lsd, Mar. 15, 1955. Records available: 1935-55. Mar. 15, 26.43; Sept. 2, 16.80; Nov. 29, 25.77.

(C-29-7)19bcd-1. State application 21825. Frank Querry. Drilled irrigation artesian well in alluvium, diameter 16 inches, depth 256 feet, cased to 256, perforations 20-245. Highest water level 9.91 below lsd, Dec. 2, 1952; lowest 21.90 below lsd, Oct. 18, 1951. Records available: 1950-55. Mar. 15, 19.78; Nov. 29, 20.30.

(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 10.6 above lsd, Nov. 29, 1955. Records available: 1936-55. Nov. 29, +10.6.

Escalante Valley

[For other wells in this valley see Iron, Millard, and Washington Counties]

(C-26-10)32cad-1. State claim 10257. Burton Smithson. Dug and drilled unused artesian well in alluvium, diameter 48 to 1½ inches, depth 250 feet, cased to 250. Highest water level 11.50 below lsd, Mar. 10, 1948; lowest 17.55 below lsd, Oct. 24, 1939. Records available: 1936-53, 1955. Mar. 21, 14.47; Oct. 10, 15.70; Nov. 30, 15.50.

(C-28-10)8cdd-1. J. R. Murdock. Bored stock water-table well in alluvium, diameter 6 inches, depth 14 feet, cased to 10. Land-surface datum is 4,958.6 feet above msl. Highest water level 1.06 below lsd, Apr. 8, 1943; lowest 6.20 below lsd, Oct. 10, 1955. Records available: 1940-55. Mar. 22, 2.92; Oct. 10, 6.20; Nov. 30, 5.32.

(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 16.38 below lsd, Sept. 2, 1955. Records available: 1950-55. Feb. 23, 13.25; Mar. 23, 12.36; Sept. 2, 16.38; Oct. 12, 15.50; Nov. 30, 14.56.

(C-28-10)19add-1. State claim 6564. Claus Marshal. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 65 feet, cased to 65, perforations 12-65. Land-surface datum is 4,973.9 feet above msl. Highest water level 1.81 below lsd, Mar. 27, 1948; lowest 16.53 below lsd, Oct. 11, 1955. Records available: 1936-55. Mar. 24, 9.85; Oct. 11, 16.53; Nov. 30, 14.40.

(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 58.08 below lsd, Sept. 11, 1955. Records available: 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	19.22	.....	18.83	.....	51.20	51.92	54.53	55.41	35.38	27.07	24.92
2	.....	.....	.....	18.80	.....	51.45	52.75	53.65	56.09	34.68	27.05	24.87
3	.....	.....	.....	18.85	39.15	51.67	53.03	54.71	56.60	34.00	27.05	24.86
4	.....	.....	.....	18.84	39.72	51.72	53.37	54.64	55.40	33.35	26.80	24.85
5	.....	.....	.....	18.83	40.30	51.71	53.44	54.77	56.19	32.79	26.62	24.82
6	.....	.....	.....	.....	41.12	51.58	53.20	53.70	56.70	32.34	26.48	24.75
7	.....	.....	.....	.....	41.60	51.70	53.10	54.08	56.97	31.87	26.39	24.73
8	.....	.....	.....	.....	41.76	51.70	.....	53.40	57.34	31.37	.....	24.72
9	.....	.....	.....	.....	41.24	52.25	55.27	.....	57.82	31.02	.....	24.60
10	.....	.....	.....	.....	41.06	52.82	55.97	.....	58.05	30.60	.....	24.60
11	.....	.....	.....	.....	41.56	53.30	56.40	.....	58.08	30.35	.....	24.57
12	.....	.....	.....	18.96	.....	53.60	56.87	54.17	57.26	30.14	.....	24.52
13	.....	20.34	.....	18.96	.....	53.57	57.08	54.73	56.60	29.86	.....	24.47
14	.....	20.22	.....	19.00	.....	53.47	57.09	55.18	57.00	29.58	.....	24.44
15	.....	20.00	.....	19.14	.....	53.07	57.34	54.90	56.64	29.41	.....	24.40

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	.....	19.82	.....	19.14	.....	52.71	57.75	54.74	56.56	29.28	.....	24.33
17	.....	19.70	.....	19.16	42.83	52.48	57.89	55.06	56.68	29.13	.....	.....
18	.....	19.66	.....	19.24	40.65	52.36	57.87	55.42	.....	.....	.....	.....
19	.....	19.50	.....	19.65	41.12	51.60	57.46	54.81	54.98	.....	25.52	.....
20	.....	19.48	.....	.....	40.96	51.75	57.45	53.29	51.76	28.37	25.44	.....
21	.....	.....	.....	.....	41.11	51.77	57.57	53.65	50.78	28.16	25.36	24.31
22	.....	.....	18.95	.....	41.90	51.87	56.57	54.14	50.20	27.98	25.32	24.25
23	.....	.....	18.95	.....	42.55	51.85	54.27	53.54	48.57	27.85	25.28	24.17
24	.....	.....	18.95	.....	43.64	51.80	52.80	53.12	45.70	27.61	25.25	24.16
25	20.09	.....	18.95	.....	45.10	.....	51.45	53.06	43.12	27.53	25.20	24.17
26	20.08	.....	18.95	33.10	45.62	51.77	50.45	53.05	41.38	27.43	25.16	24.15
27	20.06	.....	18.93	33.71	47.40	51.60	49.85	52.79	39.95	.....	.....	24.07
28	19.92	.....	18.90	34.52	48.70	51.62	49.47	53.05	38.74	.....	.....	24.06
29	19.74		18.87	35.57	49.30	.....	50.35	53.87	37.53	.....	.....	.....
30	19.32		18.85	.....	50.65	.....	54.20	54.93	.....	.....	.....	.....
31	.....		.....		.....		.....	.....		.....		.....

(C-28-10)32ccc-1. State claim 2040. Jack Hadley. Drilled unused water-table well in alluvium, diameter 14 to 12 inches, depth 72 feet, cased to 72. Land-surface datum is 5,013.5 feet above msl. Highest water level 14.93 below lsd, Aug. 8, 1939; lowest 47.74 below lsd, Sept. 2, 1955. Records available: 1938-42, 1950-55. Mar. 24, 29.20; May 23, 42.76; Sept. 2, 47.74; Dec. 2, 35.07.

(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 35.30 below lsd, Dec. 2, 1955. Records available: 1941-55. Mar. 25, 33.95; Dec. 2, 35.30.

(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 14.40 below lsd, Oct. 12, 1955. Records available: 1938-45, 1950-55. Mar. 23, 9.90; Oct. 12, 14.40; Nov. 30, 13.09.

(C-28-11)36add-1. State claim 20233. George Smith. Drilled unused water-table well in alluvium, diameter 14 inches, depth 62 feet, cased to 62. Highest water level 6.74 below lsd, Mar. 12, 1944; lowest 32.97 below lsd, Oct. 11, 1955. Records available: 1938-55. Feb. 23, 19.20; Mar. 23, 18.40; May 23, 26.45; Oct. 11, 32.97; Dec. 2, 25.52.

(C-29-10)6ddc-2. State claim 13116-R. Wilford Thompson. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 154 feet, cased to 154. Land-surface datum is 5,033.0 feet above msl. Highest water level 34.10 below lsd, Mar. 16, 1953; lowest 47.65 below lsd, Nov. 30, 1955. Records available: 1953-55. Feb. 23, 41.61; Mar. 22, 40.90; Nov. 30, 47.65.

(C-29-11)1add-1. State claim 10290. Orin Williams. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 58 feet, cased to 58, perforations 18-58. Land-surface datum is 5,014 feet above msl. Highest water level 17.62 below lsd, Mar. 10, 1943; lowest 36.81 below lsd, Oct. 6, 1954. Records available: 1935-55. Mar. 23, 30.33. Measurement discontinued.

(C-29-11)4baa-1. W. H. Child. Dug stock water-table well in alluvium, diameter 4 feet, depth 41 feet. Land-surface datum is 5,022.8 feet above msl. Highest water level 34.10 below lsd, Apr. 1, 1952; lowest 44.50 below lsd, Oct. 8, 1954. Records available: 1941-46, 1948-55. Mar. 25, 35.42; Dec. 2, 38.20.

(C-29-11)11cdd-2. State claim 7540. J. L. Shepherd. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 90 feet, cased to 90, perforations 56-62, 65-69, 78-90. Land-surface datum is 5,018.16 feet above msl. Highest water level 17.10 below lsd, Mar. 23, 1950; lowest 25.22 below lsd, Oct. 12, 1955. Records available: 1937-55. Feb. 23, 22.82; Mar. 22, 22.67; Oct. 12, 25.22; Nov. 30, 24.82.

(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 49.15 below lsd, Oct. 11, 1955. Records available: 1947-55. Feb. 23, 44.70; Mar. 22, 44.35; Oct. 11, 49.15; Nov. 30, 48.11.

(C-29-11)22ddd-1. State claim 10667. P. V. Haworth. Drilled unused water-table well in alluvium, diameter 14 to 12 inches, depth 50 feet, wood-casing to 50. Land-surface datum is 5,035.2 feet above msl. Highest water level 24.88 below lsd, Mar. 19, 1947; lowest 34.80 below lsd, July 27, 1954. Records available: 1935-55. Feb. 23, 29.54; Mar. 23, 28.92; Aug. 31, 31.86; Oct. 12, 31.00; Nov. 30, 30.50.

(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 28.10 below lsd, Oct. 12, 1955. Records available: 1935-55. Mar. 22, 27.20; Oct. 12, 28.10; Dec. 1, 27.85.

(C-30-13)34bbb-1. Cook Bros. Drilled unused water-table well in alluvium, diameter 14 inches, depth 69 feet. Land-surface datum is 5,087.80 feet above msl. Highest water level 45.64 below lsd, Apr. 23, 1949; lowest 46.03 below lsd, Nov. 26, 1944. Records available: 1940-50, 1952-53, 1955. Mar. 25, 45.72.

Box Elder County

East Shore Area

[For other wells in the area see Davis and Weber Counties]

(B-7-2)11baa-3. State claim 6409. Jack White. Drilled unused water-table well in alluvium, diameter 10 inches, depth 365 feet, cased to 365. Highest water level 25.50 below lsd, Aug. 29, 1949; lowest 37.86 below lsd, June 2, 1955. Records available: 1947-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	36.40	Apr. 4	37.60	July 5	37.80	Oct. 3	36.08
31	36.80	May 1	37.78	Aug. 1	37.42	Nov. 1	35.94
Mar. 1	37.35	June 2	37.86	Sept. 1	36.68	Dec. 5	35.26

(B-8-2)23cdb-1. State claims 1284 and 8126. Willard Water Co. Drilled irrigation artesian well in coarse gravel, diameter 13 to 10 inches, depth 255 feet, cased to 225, perforations 97-172, 180-197. Land-surface datum is 4,328.8 feet above msl. Highest water level 27.11 below lsd, July 19, 1945; lowest 50.44 below lsd, Oct. 29, 1935. Records available: 1935-55.

Jan. 3	46.43	Apr. 4	45.87	July 5	36.65	Oct. 3	41.66
31	46.24	May 1	44.79	Aug. 1	38.88	Nov. 1	42.42
Mar. 1	47.09	June 2	38.44	Sept. 1	41.12	Dec. 5	41.36

(B-8-2)26cac-1. State claim 99. Geo. L. Braegger. Driven irrigation artesian well in alluvium, diameter 3 inches, depth 235 feet, cased to 230. Highest water level 37.5 above lsd, June 24, 1953; lowest 16.15 above lsd, Oct. 3, 1935. Records available: 1935-45, 1951-55. Jan. 3, +24.8; Mar. 11, +24.7; June 2, +31.4; Sept. 6, +26.2; Dec. 5, +29.1.

(B-9-2)35dcd-1. State claim 477. H. F. Hansen. Dug and drilled unused water-table well in alluvium, diameter 6 feet, depth 70 feet, lined with concrete to 55, 4-inch casing 55-70. Land-surface datum is 4,353.9 feet above msl. Highest water level 29.36 below lsd, Sept. 6, 1955; lowest 46.85 below lsd, Aug. 13, 1936. Records available: 1935-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.10	41.21	41.95	41.93	42.08	37.31	34.25	31.75	29.59	.....	36.00	.....
2	40.15	41.23	41.98	41.91	42.09	36.65	34.10	31.75	29.59	.....	.....	.....
3	40.20	41.25	42.00	41.92	42.10	36.56	33.95	31.75	29.58	33.10	.....	.....
4	40.25	41.29	42.03	41.92	42.10	36.57	33.80	31.75	29.58	.....	.....	.....
5	40.30	41.32	42.05	41.94	42.11	36.60	33.63	31.75	29.57	.....	.....	38.65
6	40.34	41.35	42.06	41.95	42.12	36.65	33.48	31.75	29.56	.....	.....	.....
7	40.38	41.37	42.08	41.95	42.13	36.71	33.34	31.46	.....	.....	.....	.....
8	40.42	41.40	42.09	41.95	42.14	36.76	33.20	31.35	.....	.....	.....	.....
9	40.45	41.42	42.10	41.95	42.14	36.80	33.06	31.35	.....	.....	.....	.....
10	40.48	41.45	42.10	41.95	42.15	36.51	32.92	31.35	.....	.....	.....	.....
11	40.52	41.47	42.11	41.97	42.16	36.26	32.78	.....	.....	.....	.....	.....
12	40.57	41.49	42.12	41.98	42.17	36.24	32.64	.....	.....	.....	.....	.....
13	40.62	41.52	42.12	41.98	42.18	36.22	32.50	.....	.....	.....	.....	.....
14	40.66	41.54	42.13	41.97	42.15	36.26	32.36	.....	.....	.....	.....	.....
15	40.71	41.57	42.13	41.99	42.12	36.16	32.22	.....	.....	.....	.....	.....
16	40.75	41.60	42.14	42.00	42.09	35.80	32.08	.....	.....	.....	.....	.....
17	40.80	41.64	42.14	42.00	42.06	35.58	31.94	.....	.....	.....	.....	.....
18	40.85	41.67	42.13	42.00	42.04	35.30	31.80	.....	.....	.....	.....	.....
19	40.90	41.70	42.11	42.01	42.00	35.25	31.66	.....	.....	.....	.....	.....
20	40.95	41.73	42.10	42.02	41.95	35.26	31.52	.....	.....	.....	.....	.....

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	41.00	41.76	42.11	42.02	41.70	35.29	31.31	.....	.....	.....	.....	.....
22	41.04	41.79	42.10	42.02	40.15	35.22	31.25	.....	.....	.....	.....	.....
23	41.06	41.82	42.09	42.03	39.28	34.97	31.23	.....	.....	.....	.....	.....
24	41.08	41.84	42.08	42.04	38.48	34.83	31.24	.....	.....	.....	.....	.....
25	41.10	41.86	42.08	42.05	38.15	34.77	31.23	31.35	.....	.....	.....	.....
26	41.12	41.88	42.08	42.05	38.04	34.72	31.26	31.31	.....	.....	.....	.....
27	41.14	41.91	42.07	42.06	38.00	34.70	31.35	30.26	.....	.....	.....	.....
28	41.15	41.93	42.06	42.07	37.95	34.70	31.45	29.61	.....	.....	.....	.....
29	41.17		41.93	42.07	37.80	34.55	31.55	29.61	.....	.....	.....	.....
30	41.18		41.92	42.07	37.67	34.40	31.65	29.60	.....	.....	.....	.....
31	41.20		41.94		37.65		31.75	29.60		.....		.....

Lower Bear River Valley

(B-12-4)11cb. State claim 14152. Adolph Harris. Drilled unused water-table well in alluvium, diameter 4 inches, depth 150 feet, cased to 150. Highest water level 112.90 below lsd, Aug. 27, 1951; lowest 130.75 below lsd, Oct. 8, 1936. Records available: 1936-55. Nov. 1, 113.01.

Blue Springs Valley

(B-13-5)17bca-1. State claim 3776. Ross A. Miller. Driven domestic and stock artesian well in alluvium, diameter 6 inches, depth 135 feet, cased to 135. Highest water level 59.75 below lsd, Aug. 27, 1951; lowest 94.50 below lsd, May 27, 1952. Records available: 1935-55. Nov. 1, 60.20.

Curlew Valley

(B-12-11)16cdc-1. U. S. Bureau of Land Management. Drilled unused artesian well in gravel, diameter 8 inches, depth 126 feet, cased to 126. Highest water level 8.24 below lsd, Oct. 25, 1945; lowest 9.95 below lsd, Oct. 10, 1936. Records available: 1935-36, 1938-55. Nov. 2, 9.59.

(B-14-8)11ab. Bealy S. Cutler. Jetted stock artesian well in alluvium, diameter 4 inches, depth 73 feet. Highest water level 39.55 below lsd, Oct. 31, 1951; lowest 48.00 below lsd, Apr. 1, 1940. Records available: 1936-55. Nov. 1, 39.66.

(B-14-9)10ada-1. Abe Rose. Driven domestic artesian well in alluvium, diameter 6 inches, depth 171 feet, cased to 135. Highest water level 96.00 below lsd, Nov. 15, 1950; lowest 100.50 below lsd, Apr. 6, 1939. Records available: 1936-42, 1944-55. Nov. 1, 98.23.

Grouse Creek Valley

(B-10-18)28dcd-1. State application 13796. U. S. Bureau of Land Management. Drilled stock artesian well in alluvium, diameter 6 inches, depth 252 feet, cased to 210. Highest water level 117.68 below lsd, Nov. 2, 1955; lowest 120.66 below lsd, Oct. 23, 1944. Records available: 1939-55. Nov. 2, 117.68.

(B-11-18)23bb. Central Pacific RR. Dug unused water-table well in coarse gravel, diameter 4 feet, depth 27 feet. Highest water level 2.16 below lsd, June 9, 1952; lowest 23.68 below lsd, Oct. 10, 1936. Records available: 1936, 1939-55. Jan. 19, 23.08.

(B-11-18)33ada-1. State application 18061. Ross Warburton. Drilled irrigation artesian well in alluvium, diameter 16 inches, depth 59 feet, cased to 59. Highest water level 20.05 below lsd, Oct. 24, 1952; lowest 32.51 below lsd, Nov. 2, 1955. Records available: 1948-55. Nov. 2, 32.51.

Park Valley

(B-12-14)2aa. Albert Hirschie. Dug unused water-table well in alluvium, diameter 4 feet, depth 16 feet, lined with rock. Highest water level 7.18 below lsd, Nov. 1, 1951; lowest 11.75 below lsd, Sept. 29, 1939. Records available: 1936, 1938-55. Nov. 2, 10.45.

(B-13-14)25cb. J. Henry Kunzler. Dug domestic water-table well in alluvium, diameter 4 feet, depth 28 feet, lined with rock. Highest water level 9.30 below lsd, Aug. 6, 1942; lowest 17.80 below lsd, Oct. 14, 1954. Records available: 1936, 1938-55. Nov. 2, 16.10.

Raft River Valley

(B-13-17)1dab-1. State claim 18695. Lynn School District. Drilled domestic artesian well in valley fill, diameter 4 inches, depth 180 feet, cased to 180. Highest water level 19.30 below lsd, Aug. 28, 1951; lowest 26.00 below lsd, Oct. 12, 1954. Records available: 1948-55. Nov. 1, 24.80.

(B-14-15)3ddd-1. State claim 19482. Morris A. Smith. Dug domestic water-table well in alluvium, diameter 4 feet, depth 56 feet, lined with rock. Highest water level 28.80 below lsd, May 28, 1952; lowest 51.85 below lsd, Nov. 1, 1955. Records available: 1935-36, 1938-55. Nov. 1, 51.85.

Cache County

Cache Valley

(A-10-1)4ab. O. H. Anderson. Drilled unused artesian well in alluvium, diameter 12 to 10 inches, depth 240 feet, cased to 240. Highest water level 8.53 below lsd, Oct. 7, 1948; lowest 10.53 below lsd, Mar. 30, 1953. Records available: 1936-55. Apr. 8, 10.40; Dec. 13, 9.33.

(A-11-1)30bbd-2. State claim 18191. Wilford Ward. Jetted domestic artesian well in alluvium, diameter 2 inches, depth 200 feet. Highest water level 6.2 above lsd, Oct. 22, 1952; lowest 6.45 below lsd, June 24, 1940. Records available: 1936-55. Apr. 8, -2.98; Dec. 13, +1.03.

(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 13.6 above lsd, Aug. 24, 1940. Records available: 1940-55.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.2	17.0	16.9	16.7	16.6	16.4	16.9	....	....	....	17.7	17.7
2	17.2	17.2	16.9	16.7	16.5	16.3	16.9	....	....	....	17.7	17.7
3	17.1	16.9	16.8	16.6	16.3	16.3	16.9	17.7	....	....	17.7	17.7
4	17.3	16.9	16.8	16.6	16.4	16.4	16.9	17.6	....	....	17.7	17.8
5	17.2	17.0	16.9	16.6	16.5	16.5	17.0	17.5	....	....	17.9	17.8
6	17.2	17.0	17.0	16.6	16.5	16.5	17.3	17.4	....	....	18.2	17.8
7	17.2	16.9	17.0	16.7	16.4	16.5	17.3	17.4	17.7	17.7	17.9	17.9
8	17.0	16.9	16.9	j16.7	16.0	16.5	17.2	17.4	17.4	17.7	17.9	17.9
9	16.9	16.9	16.9	16.7	16.0	16.5	17.1	17.4	17.3	17.8	18.3	17.9
10	17.1	16.9	16.7	16.7	16.0	16.5	17.1	17.6	17.2	18.0	17.9	17.9
11	17.1	16.8	16.7	16.7	16.0	16.5	17.1	17.9	17.2	17.8	17.9	....
12	16.9	16.8	16.8	16.6	16.0	16.5	17.2	17.4	17.3	17.8	17.9	....
13	17.2	16.7	16.7	16.7	16.0	16.5	17.4	17.5	17.3	17.8	17.9	j17.7
14	16.9	16.7	16.7	16.7	15.9	16.5	17.4	17.5	17.3	18.0	17.9	17.8
15	17.0	16.8	16.7	16.7	15.8	16.5	17.4	17.6	17.4	17.9	17.7	18.9
16	17.1	16.8	16.7	16.7	15.7	16.5	17.4	17.5	17.7	17.9	....	18.0
17	17.2	17.2	16.8	16.7	15.7	16.5	17.4	17.5	17.6	17.9	....	18.0
18	17.2	17.2	16.8	16.7	15.8	16.5	17.4	17.5	17.6	17.9	....	18.0
19	17.2	17.1	16.8	16.7	15.7	16.4	17.5	17.5	17.6	18.0	17.9	17.8
20	17.1	17.1	16.8	16.7	15.7	16.4	17.5	17.4	17.6	18.0	17.8	17.6
21	17.0	17.5	16.7	16.7	15.7	16.3	17.4	17.4	17.6	17.9	17.7	17.7
22	17.0	17.5	16.8	16.7	15.7	16.3	17.5	17.4	17.5	17.9	17.7	17.7
23	17.0	17.4	16.7	16.6	15.7	16.7	....	17.5	17.6	17.9	17.8	17.8
24	17.2	16.9	16.8	16.6	15.7	16.7	....	17.5	17.6	17.9	17.8	17.8
25	17.1	16.9	16.7	16.4	16.7	16.7	....	17.5	17.6	17.9	17.7	17.8
26	17.0	17.0	16.7	16.7	16.4	16.7	....	17.5	....	17.9	17.8	17.7
27	17.0	17.0	16.7	16.7	16.4	16.7	....	17.3	....	18.0	17.8	17.8
28	17.0	16.9	16.7	16.7	16.3	16.8	....	17.4	....	18.0	17.9	17.6
29	16.9		16.7	16.7	16.3	17.0	17.6	17.4	....	18.0	17.9	17.6
30	16.9		16.7	16.7	16.4	17.0	....	17.5	....	17.7	17.8	17.6
31	16.9		16.7		16.4		....	....		17.7		17.5

j Manometer reading.

(A-12-1)31dab-1. State claim 2537. R. S. Painter. Drilled stock irrigation artesian well in alluvium, diameter 3 inches, depth 132 feet, cased to 132. Land-surface datum is 4,431.1 feet above msl. Highest water level 42.4 above lsd, Oct. 23, 1952; lowest 27.4 above lsd, Sept. 30, 1937. Records available: 1936-47, 1949-55. Apr. 8, +35.3; Dec. 13, +35.9.

(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 6.20 below lsd, Apr. 8, 1955. Records available: 1936-55. Apr. 8, 6.20; Dec. 13, 0.75.

(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: 1938-55. Apr. 8, +3.80; Dec. 13, +3.58.

(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: 1935-55. Apr. 8, 14.35; Dec. 13, 15.35.

(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: 1936-55. Apr. 8, +18.6; Dec. 13, +19.4.

Davis County

East Shore Area

[For other wells in this area see Box Elder and Weber Counties]

Bountiful District

(A-2-1)6dcd-2. State claim 188. Zions Aid Society. Jetted domestic artesian well in alluvium, diameter $1\frac{3}{4}$ inches, depth 60 feet, cased to 60. Land-surface datum is 4,292.0 feet above msl. Highest water level 17.4 above lsd, June 10, 1947; lowest 5.1 above lsd, Jan. 17, 1955. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	+5.1	Apr. 11	+7.4	July 15	+11.0	Oct. 13	+8.3
Feb. 7	+5.6	May 10	+8.9	Aug. 16	+10.3	Nov. 10	+8.5
Mar. 10	+6.5	June 16	+12.2	Sept. 20	+8.5	Dec. 16	+6.6

(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 17.9 above lsd, Sept. 14, 1955. Records available: 1946-51, 1955. Sept. 14, 17.9.

(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 21.00 below lsd, Sept. 20, 1955. Records available: 1939, 1945-55. Jan. 14, 19.40; Mar. 10, 19.83; June 16, 16.62; Sept. 20, 21.00; Dec. 16, 20.10.

(A-2-1)17ccb-1. State claim 11318. Will Holbrook. Dug unused water-table well in alluvium, diameter 6 feet, depth 45 feet, cased to 45. Land-surface datum is 4,372.6 feet above msl. Highest water level 20.86 below lsd, Aug. 28, 1953; lowest 38.80 below lsd, Mar. 10, 1955. Records available: 1937-55. Jan. 17, 32.30; Mar. 10, 38.80; June 16, 37.80; Sept. 22, 30.16; Dec. 16, 34.25.

(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, Aug. 25, 1954. Records available: 1938-55.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.9	15.4	15.3	15.3	15.1	15.9	17.0	12.0	10.5	14.8	14.9	14.8
2	16.0	15.4	15.3	15.3	15.0	16.0	16.8	12.0	10.6	14.8	....	14.9
3	15.9	15.4	15.3	15.3	14.9	16.2	16.4	12.4	10.3	14.9	....	14.9
4	15.9	15.4	15.3	15.3	15.0	16.7	16.4	11.6	10.9	14.9	....	14.7
5	15.9	15.3	15.3	15.3	15.1	16.9	13.5	11.6	10.5	14.6	....	....
6	15.9	15.3	15.3	15.2	15.1	16.5	13.9	12.5	11.2	14.6	14.6	....
7	....	15.3	15.3	15.3	15.1	16.9	13.9	12.6	11.2	13.8	14.6	....
8	....	15.3	15.3	15.3	14.8	17.1	13.8	12.4	11.4	13.2	14.8	....
9	15.7	15.3	15.3	15.3	15.2	16.8	13.1	12.2	11.2	14.1	14.7	....
10	15.7	15.3	15.3	15.3	15.3	16.7	13.4	11.6	11.0	14.6	14.8	....
11	15.7	15.3	15.3	15.2	15.3	16.6	12.6	11.9	10.8	14.5	14.8	14.5
12	15.5	15.3	15.4	15.2	15.3	....	14.1	11.5	11.3	14.5	14.9	14.5
13	15.5	15.3	15.4	15.3	14.7	....	13.2	11.2	11.4	14.6	14.8	14.5
14	15.5	15.3	15.3	15.3	14.6	....	13.5	11.5	12.0	14.5	14.9	14.4
15	15.5	15.3	15.3	15.3	15.1	....	12.6	11.7	11.2	14.2	....	14.4

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	15.5	15.3	15.3	15.1	15.3	....	13.0	11.6	12.2	14.2	....	14.4
17	15.4	15.4	15.3	15.0	15.3	....	12.4	10.9	12.2	14.5	....	14.5
18	15.4	15.3	15.4	15.1	15.5	....	12.8	11.7	12.4	14.5	....	14.4
19	15.4	15.3	15.4	14.8	15.7	17.2	12.6	11.1	12.9	14.6	....	14.4
20	15.4	15.3	15.3	15.0	15.7	16.5	12.4	10.6	13.2	14.6	15.1	14.5
21	15.4	15.3	15.3	15.1	14.6	17.0	12.6	11.0	13.4	14.6	15.2	14.4
22	15.4	15.3	15.3	15.0	14.4	16.2	11.9	11.2	13.5	14.7	15.0	14.5
23	15.4	15.3	15.3	14.7	15.5	16.8	12.1	10.8	13.8	14.7	14.8	14.5
24	15.4	15.3	15.3	14.9	15.6	16.6	12.2	11.1	13.3	14.7	14.8	14.4
25	15.4	15.4	15.3	14.8	15.7	16.5	13.2	10.7	13.2	14.9	14.8	14.3
26	15.3	15.3	15.3	14.8	16.0	17.0	13.5	11.2	13.3	15.0	14.9	14.3
27	15.4	15.3	15.3	14.8	16.0	16.9	13.5	11.2	14.2	14.9	14.9	14.3
28	15.4	15.3	15.3	15.0	16.0	16.3	13.0	11.6	14.4	14.9	14.9	14.2
29	15.4		15.3	15.2	15.3	16.3	12.0	11.2	14.7	14.9	14.8	14.2
30	15.4		15.3	15.2	15.4	17.0	11.7	11.4	14.8	14.9	14.8	14.2
31	15.4		15.3		15.9		12.2	10.7		14.9		14.2

(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 83.45 below lsd, Dec. 16, 1955. Records available: 1937-55. Jan. 17, 81.28; Mar. 10, 82.00; June 16, 79.23; Dec. 16, 83.45.

(B-2-1)24bad-3. State claim 2677. Clyde Jeppson. Jetted irrigation artesian well in alluvium, diameter 3 inches, depth 386 feet, cased to 386. Land-surface datum is 4,247.6 feet above msl. Highest water level 51.5 above lsd, June 6, 1949, May 12-13, 1950; lowest 27.1 above lsd, Sept. 11, 1955. Records available: 1945-55.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	33.8	32.9	32.5	32.3	32.3	30.9	30.5	....	....	29.6	29.9	....
2	33.4	32.9	32.8	32.5	32.2	31.0	....	28.2	....	29.5	29.8	29.6
3	33.4	32.9	32.9	32.1	32.2	31.2	30.5	....	....	29.7	29.7	29.6
4	33.5	32.9	32.7	32.1	32.4	31.4	....	....	....	29.6	29.8	29.5
5	33.4	32.7	....	32.2	32.7	....	....	....	....	....	....	....
6	33.4	32.7	32.5	32.2	32.5	31.9	29.6	28.2	....	29.8	29.6	29.9
7	....	32.7	32.5	32.2	32.3	32.0	....	28.4	....	29.9	29.6	29.8
8	....	32.9	32.5	32.3	32.0	31.7	29.4	28.8	....	29.8	29.6	29.6
9	33.3	32.9	32.5	32.4	32.0	31.4	29.9	28.8	....	29.3	29.8	29.8
10	33.4	32.7	32.5	32.4	32.1	31.4	29.5	....	....	29.5	29.9	29.5
11	33.4	32.9	32.4	32.3	....	31.2	....	....	27.1	29.2	30.0	29.6
12	32.2	32.9	32.4	32.3	....	30.8	....	....	27.4	29.3	....	29.7
13	32.3	32.7	32.4	32.3	....	30.6	....	27.9	27.5	28.8	....	29.8
14	....	32.7	32.4	32.4	....	30.5	....	28.3	27.9	29.1	....	29.7
15	....	32.8	32.5	32.3	....	31.4	....	....	27.7	29.0	....	29.6
16	....	32.8	32.5	32.2	....	31.6	28.9	....	27.8	28.7	....	29.7
17	....	32.4	32.4	31.9	....	....	28.8	28.4	28.0	28.8	....	29.6
18	....	32.4	32.3	32.4	....	....	....	....	27.8	29.0	....	29.5
19	....	32.3	32.4	32.0	....	32.0	....	....	28.3	28.9	....	29.7
20	....	32.2	32.3	32.3	....	....	28.4	....	28.5	28.9	....	29.8
21	....	32.2	32.4	32.4	....	....	28.3	....	28.6	29.0	....	29.7
22	....	32.3	32.5	32.4	30.7	....	28.1	....	28.6	29.1	....	29.9
23	32.9	31.9	32.5	32.0	30.9	30.8	....	....	28.6	29.0	....	29.9
24	33.2	31.9	32.4	31.9	30.9	31.0	27.9	....	28.7	29.2	....	29.7
25	33.1	32.2	32.3	31.9	30.9	....	28.4	....	28.5	29.5	....	29.8
26	32.9	32.2	32.1	32.1	31.0	31.1	28.8	....	28.7	29.7	....	29.8
27	33.1	32.7	32.3	32.0	....	....	28.9	....	29.0	29.6	....	29.8
28	33.2	32.4	32.5	32.1	....	....	....	27.2	29.6	29.7	....	29.8
29	....		32.7	32.4	30.9	30.2	....	27.8	29.7	29.7	....	29.7
30	32.9		32.4	32.4	31.1	30.3	....	....	29.7	29.8	....	29.7
31	32.9		32.3		30.7		....	27.5		29.7		29.7

(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 25.33 below lsd, Sept. 14, 1955. Records available: 1936, 1946-52, 1954-55. May 2, 22.08; July 28, 24.00; Sept. 14, 25.33.

(B-2-1)26aad-1. State claim 3656. N. L. Starrs. Jetted domestic artesian well in alluvium, diameter 3 inches, depth 250 feet, cased to 250. Land-surface datum is 4,243.4 feet above msl. Highest water level 51.5 above lsd, Jan. 1, 1943; lowest 32.4 above lsd, Oct. 18, 1954. Records available: 1936-54. No measurement made in 1955.

(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 32.49 below lsd, Dec. 20, 1955. Records available: 1936-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	29.53	Apr. 11	29.17	July 18	30.75	Oct. 13	32.11
Feb. 7	28.95	May 10	29.65	Aug. 16	31.74	Nov. 10	32.15
Mar. 10	29.12	June 16	28.95	Sept. 22	32.05	Dec. 20	32.49

(B-2-1)36bbd-1. State claim 951. Anna I. Lemon. Jetted irrigation artesian well in alluvium, diameter 3 inches, depth 167 feet, cased to 167. Land-surface datum is 4,281.8 feet above msl. Highest water level 14.6 above lsd, June 17, 1942; lowest 0.5 above lsd, Sept. 19, 1940. Records available: 1931, 1934, 1936-52. Measurement discontinued.

Layton District

(B-3-1)15aab-1. State claim 8156. Haights Bench Irrigation Co. Drilled unused artesian well in alluvium, diameter 12 to 8 inches, depth 720 feet, cased to 635. Land-surface datum is 4,282.9 feet above msl. Highest water level 12.03 below lsd, June 16, 1955; lowest 16.35 below lsd, Dec. 11, 1935. Records available: 1935-55.

Jan. 17	12.40	Apr. 11	12.47	July 15	12.46	Oct. 11	12.61
Feb. 4	12.30	May 10	12.62	Aug. 16	12.74	Nov. 8	12.70
Mar. 8	12.41	June 16	12.03	Sept. 20	12.62	Dec. 15	12.40
Apr. 9	12.76						

(B-4-1)34cbc-3. State claim 14733. Kaysville Canning Corp. Jetted industrial artesian well in alluvium, diameter 4 inches, depth 350 feet. Land-surface datum is 4,295.5 feet above msl. Highest water level 0.40 above lsd, Jan. 11, 1952; lowest 4.52 below lsd, May 26, 1946. Records available: 1937-52. No measurement made in 1955.

(B-5-3)36ada-1. State claim 3074. Mary Stoddard. Jetted domestic artesian well in alluvium, diameter 3 inches, depth 460 feet, cased to 460, perforations 360-380, 430-450. Land-surface datum is 4,227.02 feet above msl. Highest water level 37.7 above lsd, May 26, 1953, Mar. 9, 1954; lowest 18.2 above lsd, June 25, 1936. Records available: 1935-55.

Jan. 11	+33.6	Apr. 8	+32.8	July 14	+29.3	Oct. 10	+31.8
Feb. 4	+33.6	May 9	+33.5	Aug. 15	+31.6	Nov. 8	+33.2
Mar. 8	+32.2	June 14	+34.0	Sept. 16	+30.8	Dec. 13	+32.6

Duchesne County

Uinta Basin

[For other wells in this basin see Uintah County]

U(C-1-2)4adc-1. State claim 8162. C. A. Brown. Drilled domestic artesian well in sand, diameter 6 inches, depth 400 feet, cased to 25. Highest water level 13.35 below lsd, Oct. 14, 1947; lowest 17.55 below lsd, Oct. 27, 1952. Records available: 1936-49, 1951-54. No measurement made in 1955.

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: 1935-55. Oct. 18, +10.4.

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: 1939-55. Oct. 18, 7.94.

U(C-1-4)28dcc-1. State claim 8170. State of Utah. Drilled domestic artesian well in alluvium, diameter 10 to 6 inches, depth 600 feet, cased to 345. Highest water level 2.72 below lsd, Apr. 4, 1949; lowest 10.09 below lsd, Oct. 4, 1948. Records available: 1939-55. Oct. 18, 5.92.

U(C-2-1)22bcb-1. State claim 958. Stephen Wogac. Drilled domestic artesian well in coarse sand, diameter 6 inches, depth 426 feet, cased to 80. Highest water level 50.7 above lsd, Oct. 30, 1936; lowest 15.48 below lsd, Oct. 27, 1952. Records available: 1935-43, 1945-47, 1949-52. Measurement discontinued.

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: 1939-55. Oct. 18, +2.53.

U(C-3-4)7cad-1. Knight Investment Co. Drilled unused artesian well in alluvium, diameter 6 inches, depth 402 feet, cased to 177. Highest water level 92.16 below lsd, Aug. 1, 1942; lowest 103.42 below lsd, Oct. 11, 1954. Records available: 1936, 1939-40, 1942-54. No measurement made in 1955.

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 130.97 below lsd, Oct. 18, 1955. Records available: 1936-55. Oct. 18, 130.97.

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 202.75 below lsd, Dec. 3, 1955. Records available: 1947-55. Dec. 3, 202.75.

(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: 1946-55. Dec. 3, 40.37.

(C-36-3)7aac-1. Lillie Stead. Dug domestic water-table well in alluvium, diameter 6 feet, depth 13 feet, lined with rock. Highest water level 1.69 below lsd, Mar. 17, 1942; lowest 11.02 below lsd, Dec. 2, 1954. Records available: 1938-55. Dec. 3, 8.51.

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: 1937-55. Dec. 4, 46.92.

(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: 1935-55. Dec. 4, 18.80.

Grand County

Colorado River Area - Courthouse Syncline

(D-24-20)22bac-1. State application 13068. U. S. Bureau of Land Management. Drilled unused water-table well in alluvium, diameter 6 inches, depth 52 feet, cased to 41, perforations 19. Highest water level 10.97 below lsd, Dec. 1, 1943; lowest 12.84 below lsd, Aug. 7, 1951. Records available: 1942-44, 1946-54. No measurement made in 1955.

Green River Desert

(D-22-24)29cbc-1. State application 13068. U. S. Bureau of Land Management. Drilled unused water-table well in Morrison formation, diameter 8 inches, depth 160 feet, cased to 30. Highest water level 16.80 below lsd, Mar. 31, 1949; lowest 23.11 below lsd, Nov. 1, 1951. Records available: 1946-54. No measurement made in 1955.

Moab-Spanish Valley

[For other wells in this valley see San Juan County]

(D-25-21)28add-1. State application 13068. U. S. Bureau of Land Management. Drilled unused water-table well in alluvium, diameter 8 inches, depth 67 feet. Highest water level 34.95 below lsd, June 28, 1952; lowest 38.75 below lsd, May 4, 1955. Records available: 1946-55. May 4, 38.75.

Iron County

Cedar City Valley

(C-34-11)36cbc-2. State claim 10820. George D. Grimshaw. Drilled unused water-table well in alluvium, diameter 8 inches, depth 195 feet, cased to 195, perforations 18-160. Land-surface datum is 5,448.1 feet above msl. Highest water level 16.38 below lsd, June 17, 1938; lowest 22.65 below lsd, Dec. 4, 1952. Records available: 1937-52. Measurement discontinued.

(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: 1938-55. Mar. 18, 22.13; Dec. 1, 22.21.

(C-35-10)18cbb-1. Parson Webster. Formerly 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 87.46 below lsd, Aug. 18, 1955. Records available: 1937-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	62.58	60.05	58.42	57.01	72.71	79.81	84.25	86.92	82.71	81.48	75.58	69.45
2	.....	.....	58.28	56.79	73.04	80.01	84.40	86.98	82.81	81.28	75.39	.....
3	.....	.....	58.24	56.87	73.31	80.20	84.57	87.00	83.05	80.90	75.18	69.30
4	.....	.....	58.19	56.82	73.52	80.38	84.63	87.09	83.22	80.78	75.00	69.34
5	.....	59.78	58.27	56.81	73.72	80.55	84.84	87.13	83.60	80.68	74.83	69.16
6	.....	59.85	58.27	56.80	73.93	80.68	84.87	87.20	83.85	80.42	74.65	68.88
7	.....	59.80	58.34	57.46	74.00	80.87	85.13	87.25	84.05	80.23	74.41	68.82
8	62.00	59.76	58.10	59.18	73.25	80.98	85.17	87.22	84.27	79.86	74.14	68.71
9	61.90	59.53	58.05	60.34	72.46	81.06	85.32	87.28	85.50	79.53	73.85	68.42
10	61.76	59.68	58.05	.....	72.17	81.23	85.42	87.34	86.00	79.15	73.48	68.39
11	61.78	59.52	58.03	.....	72.00	81.40	85.52	87.36	86.12	78.92	73.15	68.32
12	61.77	59.37	58.01	.....	72.86	81.50	85.64	87.37	84.72	78.65	73.08	68.10
13	61.50	59.37	57.90	.....	73.57	81.64	85.73	87.35	84.70	78.38	73.00	.....
14	61.43	59.27	57.89	.....	73.82	81.85	85.80	.....	85.67	78.10	.....	.....
15	61.32	59.15	57.74	.....	74.80	81.93	85.88	87.38	84.71	77.95	.....	67.78
16	61.15	59.10	57.69	65.51	75.25	82.10	85.84	87.39	84.79	78.41	.....	67.53
17	61.26	58.93	57.66	65.96	75.70	82.22	85.88	87.42	84.98	78.13	.....	67.45
18	61.06	58.91	57.62	66.32	76.12	82.35	86.00	87.46	85.09	.....	67.41	67.41
19	60.95	58.94	57.47	67.00	76.44	82.47	86.07	87.02	85.35	.....	71.80	67.37
20	60.97	58.90	57.48	67.39	76.73	82.65	86.09	86.11	85.55	78.27	71.52	67.27
21	60.92	58.87	57.64	67.78	76.74	82.87	85.87	85.95	85.31	78.50	71.23	67.14
22	60.87	58.70	57.49	68.07	77.08	83.01	86.14	85.53	84.27	78.08	71.20	66.88
23	60.76	58.95	57.44	68.46	77.36	83.23	86.31	85.85	83.40	.....	70.95	66.68
24	60.66	58.75	57.42	68.71	77.57	83.43	86.38	86.39	83.52	.....	70.90	66.74
25	60.53	58.54	57.37	69.60	77.92	83.56	86.46	85.75	83.62	.....	70.68	66.73
26	60.73	58.52	57.35	70.74	78.13	83.71	86.56	85.25	83.90	.....	70.51	66.59
27	60.54	58.48	57.24	71.32	78.42	83.82	86.62	84.73	84.00	.....	70.40	66.48
28	60.40	58.56	57.17	71.73	78.87	83.92	86.68	84.29	83.09	.....	70.30	66.41
29	60.32		57.13	72.11	79.03	84.00	86.76	84.10	82.48	76.55	69.90	66.37
30	60.20		57.15	72.45	79.27	84.14	86.74	83.93	81.93	76.09	69.76	66.27
31	60.12		57.21		79.43		86.87	83.18		75.81		66.04

(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 31.31 below lsd, May 26, 1955. Records available: 1937-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	18.55	Mar. 18	17.41	May 3	28.36	Oct. 11	24.52
Feb. 3	16.99	Apr. 5	17.23	26	31.31	Dec. 1	21.66
Mar. 4	17.59						

(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 14.21 below lsd, Dec. 1, 1955. Records available: 1937-55. Jan. 5, 11.93; Feb. 3, 11.92; Mar. 4, 12.28; Mar. 18, 12.28; Apr. 5, 11.22; May 3, 12.40; Dec. 1, 14.21.

(C-35-11)21dbd-1. State claim 1222. Ezra Rollo. Drilled unused water-table well in alluvium, diameter 12 to 10 inches, depth 228 feet. Land-surface datum is 5,533.25 feet above msl. Highest water level 20.48 below lsd, Oct. 19, 1943; lowest 40.68 below lsd, Aug. 27, 1955. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	35.51	Mar. 25	34.65	Aug. 27	40.68	Oct. 26	40.20
Feb. 25	33.52	Apr. 29	36.15	30	40.19	Nov. 28	39.25
Mar. 4	33.52	May 26	36.90	Sept. 27	40.43	Dec. 1	39.25
18	34.73	July 30	39.57	Oct. 11	39.94	26	38.68

(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 24.10 below lsd, Dec. 11, 1943; lowest 40.60 below lsd, Aug. 23, 1951. Records available: 1931-55. Mar. 18, 38.34.

(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 58.35 below lsd, Dec. 1, 1955. Records available: 1931-55. Mar. 18, 51.36; Dec. 1, 58.35.

(C-35-11)31acd-1. State claim 13498. Heber C. Jenson. Drilled unused artesian well in alluvium, diameter 12 inches, depth 248 feet, cased to 248, perforations 81-87, 168-175, 200-202, 222-227, 242-248. Highest water level 15.3 below lsd, Mar. 30, 1933; lowest 45.12 below lsd, Oct. 5, 1953. Records available: 1930-55. Jan. 5, 32.88; Feb. 3, 30.64; Mar. 4, 31.90; Mar. 19, 31.54; Apr. 5, 31.36; May 3,35.77; Dec. 2, 38.69.

(C-35-11)33aac-1. State claim 5126. Cottonwood Pump & Irrigation Co. Drilled irrigation water-table well, diameter 16 inches, depth 240 feet, cased to 240, perforations 52-136. Land-surface datum is 5,576.65 feet above msl. Highest water level 55.70 below lsd, Mar. 22, 1943; lowest 82.94 below lsd, Dec. 1, 1955. Records available: 1930-55. Jan. 5, 77.95; Feb. 3, 76.13; Mar. 4, 74.68; Mar. 18, 74.20; Apr. 5, 74.07; May 3, 76.25; Dec. 1, 82.94.

(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, cased to 120, perforations 12-120. Land-surface datum is 5,485.38 feet above msl. Highest water level 15.00 below lsd, Apr. 17, 1937; lowest 21.35 below lsd, Dec. 2, 1954. Records available: 1936-55. Mar. 19, 18.25; Dec. 2, 19.57.

(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 73.01 below lsd, Dec. 1, 1955. Records available: 1935-55. Jan. 5, 66.03; Feb. 3, 65.51; Mar. 4, 63.07; Mar. 18, 68.14; Apr. 5, 62.20; May 3, 65.70; Dec. 1, 73.01.

(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 31.93 below lsd, Dec. 2, 1955. Records available: 1936-55. Jan. 5, 22.86; Feb. 3, 21.95; Mar. 4, 21.46; Mar. 19, 21.13; Apr. 5, 21.04; Dec. 2, 31.93.

(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 4.16 below lsd, Dec. 2, 1955. Records available: 1940-55. Mar. 19, 3.47; Dec. 2, 4.16.

(C-37-12)11dbc-1. State claim 20452. Oliver Berkhelder. Drilled unused water-table well in alluvium, diameter 12 inches, depth 24 feet. Land-surface datum is 5,480.8 feet above msl. Highest water level 6.12 below lsd, Apr. 4, 1952; lowest 11.25 below lsd, Dec. 2, 1955. Records available: 1938-55. Mar. 19, 10.95; Dec. 2, 11.25.

(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 71.49 below lsd, Dec. 2, 1955. Records available: 1937-55. Mar. 19, 70.04; Dec. 2, 71.49.

Escalante Valley

[For other wells in this valley see Beaver, Millard, and Washington Counties]

(C-31-13)1a-1. State claim 6486. Cook Bros. Drilled unused water-table well in alluvium, diameter 12 inches, depth 114 feet. Land-surface datum is 5,071.23 feet above msl. Highest water level 27.43 below lsd, Dec. 3, 1955; lowest 28.66 below lsd, Dec. 10, 1942. Records available: 1938-51, 1953, 1955. Dec. 3, 27.43.

(C-32-12)6cbb-1. Geo. A. Lowe, Jr. Dug stock water-table well in alluvium, diameter 5 feet, depth 69 feet, cased to 60. Highest water level 59.92 below lsd, Oct. 11, 1945; lowest 60.36 below lsd, Mar. 15, 1943. Records available: 1940-45, 1948-52. Measurement discontinued.

(C-33-15)12aaa-1. State of Utah. Dug unused water-table well in alluvium, diameter 12 inches, depth 18 feet. Highest water level 15.31 below lsd, Mar. 25, 1955; lowest 17.10 below lsd, May 5, 1939. Records available: 1939-43, 1945-53, 1955. Mar. 25, 15.31.

(C-33-15)19bba. Latter Day Saints Church. Drilled stock water-table well in alluvium, diameter 6 inches. Land-surface datum is 5,201 feet above msl. Highest water level 85.00 below lsd, July 11, 1949, Dec. 12, 1950; lowest 85.68 below lsd, Dec. 5, 1953. Records available: 1949-53, 1955. Mar. 25, 85.48; Dec. 3, 85.67.

(C-33-15)31cbb-1. Jesse Carlson. Drilled domestic water-table well in alluvium, diameter 8 inches, depth 53 feet, Colorado casing. Highest water level 25.17 below lsd, Oct. 13, 1951; lowest 26.98 below lsd, Oct. 10, 1946. Records available: 1936-53, 1955. Mar. 25, 25.79.

(C-34-14)31ccc-1. U. S. Geol. Survey test well. Drilled unused water-table well in alluvium, diameter 2 inches, depth 20 feet, cased to 3. Land-surface datum is 5,127.4 feet above msl. Highest water level 12.32 below lsd, Apr. 5, 1952; lowest 15.26 below lsd, Aug. 29, 1946. Records available: 1939-43, 1945-53, 1955. Mar. 26, 13.86; June 28, 14.28; Dec. 4, 14.68.

(C-34-16)9cbc-1. Augustus Lott. Drilled unused water-table well in alluvium, diameter 10 inches, depth 18 feet. Land-surface datum is 5,131.7 feet above msl. Highest water level 6.11 below lsd, Apr. 3, 1952; lowest 9.12 below lsd, Dec. 13, 1943. Records available: 1937-55. Mar. 25, 8.96; Dec. 3, 8.55.

(C-34-16)28bcc-2. I. M. Matson. Drilled unused water-table well in alluvium, diameter 12 inches, depth 67 feet, perforations 0-67. Land-surface datum is 5,134.4 feet above msl. Highest water level 8.97 below lsd, May 25, 1937; lowest 13.50 below lsd, Dec. 7, 1954. Records available: 1935-55. Mar. 25, 12.05; Oct. 13, 13.08; Dec. 3, 12.67.

(C-34-16)29ccc-1. State application 16524. Monte Miller. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 203 feet, cased to 203. Land-surface datum is 5,141.4 feet above msl. Highest water level 9.85 below lsd, Dec. 9, 1949; lowest 14.99 below lsd, Oct. 13, 1955. Records available: 1949-55. Mar. 25, 13.84; Oct. 13, 14.99; Dec. 3, 14.81.

(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 19.85 below lsd, Oct. 13, 1955. Records available: 1939-45, 1948-55. Mar. 26, 17.95; Oct. 13, 19.85; Dec. 4, 19.42.

(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 19.19 below lsd, Oct. 13, 1955. Records available: 1937-45, 1949-51, 1953-55. Mar. 25, 18.02; Oct. 13, 19.19; Dec. 3, 18.60.

(C-35-12)18ddd-2. State claim 11258. Columbia Steel Co. Drilled unused water-table well in alluvium, diameter 10 inches, depth 44 feet. Land-surface datum is 5,385.2 feet above msl. Highest water level 10.57 below lsd, May 8, 1939; lowest 13.90 below lsd, Dec. 6, 1953. Records available: 1935-53, 1955. Mar. 26, 13.00; Dec. 4, 13.07.

(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 18.48 below lsd, Oct. 13, 1955. Records available: 1936-55. Mar. 26, 16.05; Oct. 13, 18.48; Dec. 4, 16.95.

(C-35-15)6cdd-1. Frank Bridel. Drilled unused water-table well in alluvium, diameter 12 inches, depth 170 feet, Colorado casing. Land-surface datum is 5,139.0 feet above msl. Highest water level 11.40 below lsd, May 23, 1937; lowest 16.73 below lsd, Oct. 13, 1955. Records available: 1936-55. Mar. 26, 16.10; Oct. 13, 16.73; Dec. 4, 16.72.

(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 20.70 below lsd, Oct. 13, 1955. Records available: 1936-45, 1949-55. Mar. 26, 16.99; Oct. 13, 20.70; Dec. 4, 18.40.

(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 29.31 below lsd, Oct. 13, 1955. Records available: 1949-55. Oct. 13, 29.31; Dec. 4, 28.27.

(C-35-15)28bdc-1. State application 15593. E. J. Graff. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 180 feet, cased to 180. Highest water level 31.30 below lsd, June 12, 1950; lowest 44.00 below lsd, Dec. 4, 1955. Records available: 1949-55. Oct. 13, 43.45; Dec. 4, 44.00.

(C-35-16)6ccc-2. M. Emily Jones. Drilled unused water-table well in alluvium, diameter 8 inches, depth 60 feet, cased to 60. Land-surface datum is 5,154.77 feet above msl. Highest water level 17.46 below lsd, Apr. 16, 1938; lowest dry at 29.0, Dec. 7, 1954. Records available: 1937-39, 1949-54. Measurement discontinued.

(C-35-16)14ddc-1. John McGary. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 100 feet. Land-surface datum is 5,155.19 feet above msl. Highest water level 20.63 below lsd, Dec. 10, 1949; lowest 29.30 below lsd, Oct. 13, 1955. Records available: 1948-55. Mar. 26, 27.72; Oct. 13, 29.30; Dec. 4, 29.20.

(C-35-16)15abb-1. H. G. Dewey. Drilled unused water-table well in alluvium, diameter 12 inches, depth 40 feet, cased to 40. Land-surface datum is 5,151.4 feet above msl. Highest water level 17.32 below lsd, May 28, 1937; lowest 32.41 below lsd, Oct. 13, 1955. Records available: 1937, 1949-53, 1955. Mar. 26, 27.20; Oct. 13, 32.41.

(C-35-16)16bbc-1. State application 16835. Marion Beckstrom. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 174 feet, cased to 174, perforations 50-174. Land-surface datum is 5,154.45 feet above msl. Highest water level 20.85 below lsd, Mar. 26, 1950; lowest 29.70 below lsd, Dec. 4, 1955. Records available: 1947, 1949-55. Mar. 27, 27.79; Dec. 4, 29.70.

(C-35-16)20dcc-1. State claim 11630. Eva Hard. Drilled unused water-table well in alluvium, diameter 12 inches, depth 98 feet, cased to 98, perforations 58-98. Land-surface datum is 5,161.9 feet above msl. Highest water level 19.69 below lsd, May 24, 1937; lowest 34.50 below lsd, Sept. 17, 1953. Records available: 1937-40, 1942, 1949-54. Measurement discontinued.

(C-35-16)28bcc-1. State application 15771. Bruno Biasi. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 200 feet, cased to 200. Land-surface datum is 5,167.07 feet above msl. Highest water level 27.45 below lsd, Dec. 8, 1948; lowest 39.65 below lsd, Dec. 5, 1955. Records available: 1948-55. Mar. 26, 37.16; Dec. 5, 39.65.

(C-35-16)31abc-1. State application a2109. C. E. Mitchell. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 150 feet. Highest water level 36.36 below lsd, Apr. 21, 1949; lowest 50.68 below lsd, Oct. 13, 1955. Records available: 1948-55. Mar. 26, 45.92; Oct. 13, 50.68; Dec. 3, 48.92.

(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 52.38 below lsd, Aug. 30, 1955. Records available: 1949-55. Aug. 30, 52.38; Oct. 13, 52.26; Dec. 3, 51.90.

(C-35-17)13bdc-1. State claim 14228. Austin D. Moyle. Drilled unused water-table well in alluvium, diameter 24 inches, depth 100 feet. Land-surface datum is 5,164.8 feet above msl. Highest water level 25.99 below lsd, Apr. 16, 1938; lowest 44.78 below lsd, Aug. 13, 1955. Records available: 1937-42, 1949-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	39.62	.....	.....	37.56	37.77	39.95	42.74	44.29	42.99	42.87	.....	40.30
2	39.63	.....	.....	37.55	37.80	40.04	42.80	44.55	42.96	42.77	.....	40.30
3	39.64	.....	.....	37.55	37.86	40.17	42.81	44.65	42.97	42.71	.....	40.24
4	39.65	.....	.....	37.53	37.88	40.32	42.91	44.71	43.01	42.66	.....	.....
5	39.66	.....	.....	37.54	37.91	40.44	42.95	44.53	42.96	42.58	.....	.....

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	39.67	.....	.....	37.54	37.96	40.51	42.45	44.38	42.94	42.51	.....	.....
7	.....	.....	.....	37.52	38.01	40.61	42.90	44.32	42.95	42.42	.....	.....
8	.....	.....	.....	37.51	38.06	40.75	42.85	44.17	43.21	42.36	.....	.....
9	.....	.....	.....	37.50	38.12	40.82	42.95	44.08	43.19	42.30	.....	.....
10	.....	.....	.....	37.47	38.21	41.00	42.88	44.32	43.41	.....	.....	.....
11	.....	.....	.....	37.48	38.21	41.06	42.48	44.60	43.55	.....	.....	.....
12	.....	.....	.....	37.51	38.24	41.23	43.06	44.71	43.43	.....	.....	.....
13	.....	.....	.....	37.45	38.30	41.28	43.23	44.78	43.67	42.12	.....	.....
14	.....	.....	.....	37.45	38.33	41.35	43.35	44.75	43.87	42.07	.....	.....
15	.....	.....	.....	37.48	38.39	41.48	43.47	44.45	44.06	42.02	.....	.....
16	.....	.....	.....	37.48	38.43	41.48	43.57	44.63	43.90	41.98	.....	.....
17	.....	.....	.....	37.46	38.55	41.56	43.68	44.37	43.76	41.93	.....	.....
18	.....	.....	.....	37.43	38.69	41.56	43.73	44.20	43.90	41.88	.....	.....
19	.....	.....	.....	37.50	38.83	41.50	43.81	44.05	44.10	41.83	.....	.....
20	.....	.....	.....	37.50	38.97	41.45	43.91	43.92	44.19	41.79	.....	.....
21	.....	.....	.....	37.50	39.05	41.66	43.98	43.80	44.03	41.74	.....	.....
22	.....	.....	.....	37.50	39.12	41.75	43.86	43.68	43.85	41.68	.....	.....
23	.....	.....	.....	37.57	39.19	41.90	43.98	43.58	43.70	41.65	.....	.....
24	.....	.....	.....	37.55	39.25	42.00	44.05	43.50	43.60	41.60	.....	.....
25	.....	.....	.....	37.57	39.37	42.06	44.08	43.40	43.48	41.52	.....	.....
26	.....	.....	37.65	37.60	39.48	42.05	44.16	43.33	43.35	41.45	.....	.....
27	.....	.....	37.62	37.67	39.60	42.08	44.25	43.24	43.23	41.44	.....	.....
28	.....	.....	37.60	37.66	39.65	42.24	44.34	43.14	43.13	.....	.....	.....
29	.....		37.59	37.68	39.65	42.43	44.42	43.05	43.03	.....	40.38	.....
30	.....		37.62	37.72	39.74	42.55	44.41	43.03	42.95	.....	40.35	.....
31	.....		37.64		39.87		44.50	43.02		.....		.....

(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 60.98 below lsd, Oct. 13, 1955. Records available: 1949-55. Mar. 26, 58.72; Aug. 30, 59.35; Oct. 13, 60.98; Dec. 3, 60.00.

(C-35-17)25cdd-1. Henry Brenn. Dug unused water-table well in alluvium, diameter 4 feet. Land-surface datum is 5,180.44 feet above msl. Highest water level 34.75 below lsd, Apr. 13, 1940; lowest 49.66 below lsd, Oct. 13, 1955. Records available: 1935-55. Mar. 25, 46.86; Oct. 13, 49.66.

(C-35-17)36dcc-1. State application 16425. Marion Crosier. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 200 feet, cased to 200. Land-surface datum is 5,190.5 feet above msl. Highest water level 50.50 below lsd, Dec. 8, 1948; lowest 62.73 below lsd, Oct. 13, 1955. Records available: 1948-55. Mar. 25, 59.17; Oct. 13, 62.73; Dec. 3, 61.68.

(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 113.10 below lsd, Dec. 4, 1955. Records available: 1949-53, 1955. Mar. 26, 110.97; Dec. 4, 113.10.

(C-36-15)19ccc-1. State applicationa 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 93.14 below lsd, Oct. 14, 1955. Records available: 1947-55. Oct. 14, 93.14; Dec. 5, 91.11.

(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 48.00 below lsd, Oct. 13, 1955. Records available: 1947-55. Mar. 26, 45.73; Oct. 13, 48.00; Dec. 3, 47.96.

(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 62.59 below lsd, Oct. 14, 1955. Records available: 1949-53, 1955. Mar. 26, 59.00; Oct. 14, 62.59; Dec. 5, 61.65.

(C-36-16)9bcd-1. State application 16253. Wilson Scott. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 272 feet, cased to 272. Land-surface datum is 5,191.1 feet above msl. Highest water level 51.30 below lsd, Apr. 21, 1949; lowest 68.97 below lsd, Oct. 7, 1953. Records available: 1948-55. Mar. 26, 62.61; Oct. 14, 66.14; Dec. 5, 65.65.

(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 97.60 below lsd, Oct. 14, 1955. Records available: 1945-55. Oct. 14, 97.60; Dec. 5, 95.80.

(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 140.37 below lsd, Oct. 14, 1955. Records available: 1945-55. Mar. 26, 138.67; Oct. 14, 140.37.

(C-36-16)29daa-1. State application 16189. Weyl-Zuckerman Co. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 380 feet, cased to 380, perforations 100-350. Land-surface datum is 5,233.4 feet above msl. Highest water level 85.66 below lsd, Oct. 11, 1945; lowest 108.27 below lsd, Oct. 18, 1954. Records available: 1945-55. Mar. 26, 101.35; Oct. 14, 105.82; Dec. 5, 104.25.

(C-36-16)31ccc-1. State application 16153. Leland Huntsman. Drilled irrigation water-table well in alluvium, diameter 14 inches, depth 222 feet, cased to 222. Land-surface datum is 5,271.1 feet above msl. Highest water level 111.75 below lsd, Mar. 31, 1948; lowest 137.05 below lsd, Oct. 14, 1955. Records available: 1947-55. Mar. 26, 128.25; Oct. 14, 137.05; Dec. 5, 132.59.

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: 1939-55. Mar. 17, 48.82; Nov. 30, 48.99.

(C-33-8)28bbb-1. State claim 15133. Tom Abbott. Drilled stock domestic artesian well in alluvium, diameter 4 inches, depth 350 feet, cased to 350. Land-surface datum is 5,782.2 feet above msl. Highest water level 9.70 below lsd, Mar. 16, 1946; lowest 14.20 below lsd, Apr. 26, 1953. Records available: 1940-55. Jan. 30, 11.58; Feb. 27, 11.57; Mar. 17, 11.72; Mar. 27, 11.53; Apr. 24, 11.54; May 29, 11.52; Nov. 30, 11.30.

(C-33-9)34cbd-2. State claim 5694. Dee Robinson. Drilled unused artesian well in alluvium, diameter 4 to 2 inches, depth 500 feet, cased to 500, perforations 117-300. Land-surface datum is 5,736.6 feet above msl. Highest water level 17.65 below lsd, Mar. 14, 1943; lowest 57.34 below lsd, Aug. 30, 1953. Records available: 1935-55. Jan. 30, 24.00; Feb. 27, 22.79; Mar. 17, 22.49; Mar. 27, 22.05; Apr. 24, 33.19; May 29, 63.73, nearby well being pumped; Nov. 30, 34.86.

(C-33-9)34dcd-1. State claim 6750. C. L. Robinson. Drilled unused artesian well in alluvium, diameter 12 to 3 inches, depth 550 feet, 12-inch perforated casing to 130 feet, 3-inch casing 30 to 550, perforations 160-340, 400-550. Land-surface datum is 5,762.60 feet above msl. Highest water level 0.64 above lsd, Mar. 21, 1950; lowest 25.86 below lsd, Nov. 30, 1955. Records available: 1935-55. Mar. 17, 16.08; Nov. 30, 25.86.

(C-33-9)36dcd-1. State claim 494. Hugh L. Adams. Drilled irrigation artesian well in alluvium, diameter 60 to 4 inches, depth 499 feet, cased to 490, perforations 75-490. Land-surface datum is 5,796.76 feet above msl. Highest water level 29.72 below lsd, Mar. 14, 1943; lowest 59.95 below lsd, Dec. 3, 1954. Records available: 1933-55. Mar. 17, 52.89.

(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: 1935-55. Recording gage installed May 24.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	25.48	25.93	26.57	27.00	.....	27.22	28.01
2	.....	.....	.....	.....	.....	25.52	25.89	26.59	27.00	.....	27.21	27.99
3	.....	.....	.....	.....	.....	25.55	25.91	26.60	27.00	.....	27.23	27.98
4	.....	.....	.....	.....	.....	25.57	25.95	26.62	27.01	.....	27.22	27.98
5	.....	.....	.....	.....	.....	25.59	25.96	26.64	27.03	.....	27.20	27.94
6	.....	.....	.....	.....	.....	25.62	25.99	26.65	27.05	.....	27.20	27.95
7	.....	.....	.....	.....	.....	25.65	26.10	26.66	27.08	.....	27.19	27.95
8	.....	.....	.....	.....	.....	25.66	26.10	26.66	27.07	.....	27.21	27.95
9	.....	.....	.....	.....	.....	25.67	26.12	26.67	27.10	.....	27.24	27.95
10	.....	.....	.....	.....	.....	25.67	26.14	26.69	27.13	.....	27.22	27.97

(C-34-8)5bca-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	.....	.....	.....	.....	25.68	26.16	26.71	27.13	.....	27.23	27.96
12	.....	.....	.....	.....	.....	25.70	26.19	26.73	27.09	.....	27.25	27.96
13	.....	.....	.....	.....	.....	25.71	26.21	26.74	27.06	27.29	27.24	27.96
14	.....	.....	.....	.....	.....	25.71	26.23	26.75	27.03	27.32	27.26	27.98
15	.....	.....	.....	.....	.....	25.70	26.24	26.77	27.03	27.34	27.27	28.00
16	.....	.....	.....	.....	.....	25.71	26.26	26.79	27.02	27.37	27.27	28.01
17	.....	.....	.....	.....	.....	25.74	26.28	26.81	27.03	27.40	27.26	28.01
18	.....	.....	.....	.....	.....	25.76	26.30	26.84	27.05	27.43	27.27	28.01
19	.....	.....	.....	.....	.....	25.78	26.31	26.85	27.08	27.41	27.28	27.99
20	.....	.....	.....	.....	.....	25.79	26.33	26.86	27.11	27.41	27.28	28.01
21	.....	.....	.....	.....	.....	25.82	26.35	26.87	27.13	27.32	27.27	28.02
22	.....	.....	.....	.....	.....	25.83	26.36	26.88	27.15	27.28	27.25	27.99
23	.....	.....	.....	.....	.....	25.84	26.38	26.84	27.16	27.31	27.24	27.96
24	.....	.....	.....	h24.80	h25.07	25.86	26.39	26.90	27.19	27.30	.....	27.96
25	.....	.....	.....	.....	25.14	25.88	26.41	26.88	27.21	27.27	.....	27.94
26	.....	.....	.....	.....	25.20	25.88	26.44	26.89	27.24	27.23	.....	27.91
27	.....	h24.67	h24.29	.....	25.27	25.91	26.46	26.90	27.26	27.24	.....	27.88
28	.....	.....	.....	.....	25.32	25.92	26.48	26.92	27.27	27.22	.....	27.82
29	.....		.....	.....	25.34	25.94	26.50	26.94	27.29	27.26	.....	27.78
30	h25.00		.....	.....	25.38	25.94	26.52	26.96	27.31	27.25	28.07	27.70
31	.....		.....		25.42		26.55	26.98		27.25		27.62

h Tape measurement.

(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: 1938-55. Jan. 30, 22.35; Feb. 27, 22.54; Mar. 17, 22.35; Mar. 27, 22.43; Apr. 24, 22.73; May 29, 22.81; Nov. 30, 24.05.

(C-34-9)10bdd-1. State claim 8801. Clair Rowley. Drilled irrigation artesian well in alluvium, diameter 14 to 3 inches, depth 500 feet, cased to 500. Land-surface datum is 5,817.12 feet above msl. Highest water level 42.90 below lsd, Mar. 14, 1943; lowest 79.10 below lsd, Nov. 30, 1955. Records available: 1937-55. Jan. 30, 70.25; Feb. 27, 68.70; Mar. 17, 67.79; Mar. 27, 67.43; Apr. 24, 70.07; May 29, 73.80; Nov. 30, 79.10.

(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 62.97 below lsd, Oct. 12, 1955. Records available: 1948-55. Mar. 17, 57.50; Oct. 12, 62.97; Nov. 30, 60.87.

Juab County

Juab Valley

(C-15-1)12aba-1. State claim 10223. R. C. Mangelson. Drilled stock artesian well in gravel, diameter 6 inches, depth 117 feet, cased to 117. Land-surface datum is 5,196.9 feet above msl. Highest water level 48.56 below lsd, Mar. 22, 1954; lowest 62.16 below lsd, June 20, 1936. Records available: 1935-55. Mar. 14, 50.85; Nov. 28, 53.78.

(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 feet above msl. Highest water level 14.9 above lsd, Dec. 26, 1942; lowest 1.19 below lsd, Oct. 26, 1955. Records available: 1935-55. Mar. 14, +3.02; Oct. 26, -1.19; Nov. 18, -1.11; Dec. 28, -0.48.

(D-12-1)31cdb-1. State application 15106. James H. Eager. Drilled stock artesian well in alluvium, diameter 6 inches, depth 450 feet, cased to 450. Highest water level 25.85 below lsd, Dec. 3, 1954; lowest 41.60 below lsd, Nov. 28, 1955. Records available: 1949-55. Mar. 14, 36.78; Nov. 28, 41.60.

(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 31.87 below lsd, Nov. 28, 1955. Records available: 1935-55. Mar. 14, 27.22; Nov. 28, 31.87.

(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 37.60 below lsd, Nov. 28, 1955. Records available: 1949-51, 1953-55. Mar. 14, 32.80; Nov. 28, 37.60.

Snake Valley

[For other wells in this valley see Millard County]

(C-11-16)6ccc. J. H. Guilmette. Jetted unused artesian well in alluvium, diameter 4 feet. Highest water level 15.67 below lsd, Nov. 18, 1938; lowest 23.04 below lsd, Oct. 17, 1949. Records available: 1938-54. No measurement made in 1955.

(C-11-17)1bdc-1. State claim 8190. Drought Relief Administration. Jetted unused artesian well in alluvium, diameter 4 inches, depth 221 feet. Highest water level 0.51 below lsd, Sept. 18, 1941; lowest 4.30 below lsd, Nov. 2, 1954. Records available: 1938-54. No measurement made in 1955.

(C-13-18)14ddc-1. Will Parker. Drilled unused artesian well in alluvium, diameter 20 to 8 inches, depth 33 feet, cased to 23, perforations 18-23. Highest water level 8.17 below lsd, Aug. 7, 1942; lowest 25.75 below lsd, June 10, 1953. Records available: 1938-48, 1950-54. No measurement made in 1955.

Millard County

Escalante Valley

[For other wells in this valley see Beaver, Iron, and Washington Counties]

(C-25-10)26caa-1. State of Utah. Dug unused water-table well in alluvium, diameter 5 feet. Highest water level 16.12 below lsd, Mar. 10, 1948; lowest 17.76 below lsd, Mar. 11, 1943. Records available: 1941-53, 1955. Mar. 21, 16.85.

Pavant Valley

(C-19-4)31bcc-1. State claim 4263. Union Pacific RR. 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 4.77 below lsd, Mar. 29, 1955; lowest 18.20 below lsd, Apr. 21, 1938. Records available: 1936-55. Mar. 29, 4.77; Dec. 6, 5.85.

(C-20-5)13dad-1. C. H. Day. Drilled unused artesian well in alluvium, diameter 5 inches, depth 175 feet. Highest water level 34.79 below lsd, Dec. 1, 1954; lowest 47.73 below lsd, Mar. 25, 1941. Records available: 1937-55. Mar. 29, 35.30; Dec. 6, 35.35.

(C-20-5)22bcc-1. State claim 7671. Arnold Lesin. Drilled stock artesian well in alluvium, diameter 6 inches, depth 400 feet, cased to 245. Land-surface datum is 4,665.97 feet above msl. Highest water level 14.5 above lsd, Dec. 3, 1953; lowest 5.6 above lsd, Oct. 3, 1937. Records available: 1936-55. Mar. 29, +13.9; Dec. 6, +13.1.

(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, 1950-55. Mar. 28, 8.10; Dec. 6, 7.52.

(C-21-5)21aba-1. State of Utah. Drilled unused artesian well in alluvium, diameter 6 inches, depth 246 feet, cased to 220. Land-surface datum is 4,744.4 feet above msl. Highest water level 1.96 below lsd, Feb. 24, 1949; lowest 26.04 below lsd, Sept. 16, 1955. Records available: 1929-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.69	10.00	9.67	14.65	20.55	22.61	24.76	25.42	25.25	24.97	.....	16.31
2	10.56	9.95	9.64	15.47	20.75	22.68	24.66	.....	24.96	24.99	.....	.....
3	10.52	9.91	9.62	15.92	20.91	.....	24.90	.....	25.12	24.99	.....	.....
4	10.50	9.99	9.70	16.32	21.06	22.89	24.66	.....	24.90	24.96	.....	.....
5	10.50	9.92	....	16.89	21.21	23.52	24.58	25.22	25.48	.....	.....	.....
6	10.49	9.95	....	17.59	.....	23.64	24.37	.....	.....	.....	.....	16.10
7	10.41	9.92	....	17.82	21.30	23.57	24.32	.....	.....	25.43	.....	16.13
8	10.40	9.89	....	18.04	21.48	23.90	24.54	.....	.....	25.51	.....	16.05
9	10.36	9.76	....	18.20	21.48	24.16	24.60	.....	25.14	25.56	.....	15.88
10	10.32	9.87	....	18.16	21.60	23.80	24.68	.....	25.62	25.51	.....	15.92
11	10.38	9.82	9.64	18.29	21.68	24.22	24.64	.....	25.75	25.59	17.92	15.86
12	10.42	9.75	9.66	18.87	21.75	24.34	24.05	24.90	25.59	25.70	17.93	15.75
13	10.29	9.77	9.59	18.87	21.76	24.27	24.86	24.46	25.61	25.52	17.96	15.69
14	10.38	9.74	9.58	18.87	.....	24.38	24.94	23.96	25.82	25.47	17.62	15.68
15	10.32	9.72	9.62	18.90	21.74	24.36	25.04	24.15	25.99	25.31	17.63	15.67

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	10.26	9.70	.....	19.20	21.62	24.49	24.91	24.29	26.04	24.80	17.60	15.64
17	10.36	9.70	.....	.....	21.85	.....	24.90	24.61	25.81	23.98	17.49	15.54
18	10.25	9.74	9.53	19.03	21.97	24.04	24.95	24.88	25.88	23.63	17.49	15.50
19	10.24	9.76	9.43	19.72	22.04	24.28	25.30	.....	25.77	23.45	17.31	15.50
20	10.27	9.77	9.45	19.89	22.07	24.24	25.37	.....	25.07	22.79	17.43	15.47
21	10.25	9.77	9.60	19.85	22.22	24.34	25.50	.....	24.92	.....	17.49	15.46
22	10.24	9.69	9.54	20.20	22.21	24.48	25.64	.....	.....	.....	17.25	15.35
23	10.20	9.79	9.62	.....	22.14	24.52	25.69	.....	25.45	.....	17.07	15.27
24	10.16	9.73	9.62	19.67	22.27	24.45	25.44	.....	25.50	.....	17.11	15.35
25	10.10	9.62	9.81	20.10	22.30	24.43	25.29	.....	25.17	.....	16.99	15.38
26	10.14	9.63	11.94	20.05	21.95	24.10	.....	24.62	25.05	.....	17.03	15.30
27	10.09	9.65	.....	20.04	22.34	24.63	.....	.....	24.97	.....	16.98	15.22
28	10.12	9.73	12.22	.....	22.44	24.56	25.64	.....	25.00	20.43	16.71	15.20
29	.....		12.30	20.30	22.20	24.61	25.66	24.50	24.95	20.53	16.49	15.18
30	10.08		12.79	20.62	22.09	24.64	25.61	24.88	24.99	20.76	16.43	15.14
31	10.01		12.71		22.26		25.52	25.10		20.80		15.01

(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 51.52 below lsd, Oct. 15, 1955. Records available: 1942-55.

Daily noon water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Sept.	Oct.
1	39.25	38.53	38.25	39.82	45.57	46.35	50.68	50.61	51.00
2	39.26	38.44	38.11	40.72	45.63	46.67	.....	50.00	51.00
3	39.23	38.42	38.05	41.14	45.82	46.59	.....	50.12	51.28
4	39.22	38.50	38.09	41.57	46.11	46.58	.....	50.18	51.29
5	39.22	38.42	38.13	41.80	46.27	46.26	.....	50.19	51.18
6	39.23	38.43	38.08	42.15	46.28	45.47	.....	50.46	51.12
7	39.25	38.45	37.96	42.37	.....	45.15	.....	50.56	51.04
8	39.11	38.41	37.93	42.60	.....	44.80	.....	50.67	51.12
9	39.03	38.30	37.90	42.81	.....	44.98	.....	50.80	51.10
10	39.05	38.41	37.92	42.90	.....	45.03	.....	50.90	51.10
11	39.10	38.39	37.94	43.02	.....	45.13	.....	50.97	51.20
12	39.21	38.28	37.85	43.35	.....	44.66	.....	50.96	51.18
13	39.17	38.33	37.78	43.45	.....	44.35	.....	50.98	51.22
14	39.17	38.35	37.85	43.59	.....	45.12	.....	51.00	51.50
15	39.02	38.29	37.81	43.74	.....	44.76	.....	51.06	51.52
16	38.87	38.36	37.78	43.93	.....	44.68	.....	51.16	51.13
17	38.94	38.31	37.81	43.97	.....	44.23	.....	51.09	.....
18	38.84	38.34	37.72	43.96	.....	44.36	.....	51.19	.....
19	38.79	38.33	37.74	44.28	.....	.....	.....	50.44	.....
20	38.84	38.34	37.82	44.41	.....	.....	.....	50.38	.....
21	38.84	38.36	37.86	44.51	.....	.....	.....	51.00	.....
22	38.81	38.29	37.88	44.60	.....	.....	.....	51.30	.....
23	38.76	38.33	37.91	44.80	.....	.....	.....	51.30	.....
24	38.72	38.33	37.93	44.49	.....	.....	.....	51.22	.....
25	38.67	38.22	37.99	44.86	.....	.....	.....	51.14	.....
26	38.70	38.22	38.06	45.27	46.75	.....	.....	51.40	.....
27	38.66	38.24	38.06	45.16	46.17	.....	.....	51.06	.....
28	38.67	38.26	38.16	45.36	46.23	.....	.....	51.03	.....
29	38.71	38.34	38.19	45.57	46.44	.....	.....	51.50	.....
30	38.67		38.47	46.13	46.37	.....	50.49	51.04	.....
31	38.56		38.57		46.09		50.62		.....

* No record for July, November, and December.

(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 41.92 below lsd, Nov. 29, 1955. Records available: 1943-55. Mar. 28, 39.52; Nov. 29, 41.92.

(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 61.87 below lsd, Nov. 29, 1955. Records available: 1943-55. Mar. 28, 59.00; Nov. 29, 61.87.

(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: 1943-55. Nov. 29, 26.35.

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: 1935-55. Dec. 7, 120.47.

(C-15-7)17dad-1. I. H. Losee. Jetted unused artesian well in alluvium, diameter $1\frac{1}{2}$ inches, depth 235 feet. Highest water level 3.42 above lsd, Mar. 24, 1937; lowest 1.38 above lsd, Nov. 29, 1955. Records available: 1937-51, 1953-55. Apr. 14, +2.02; Nov. 29, +1.38.

(C-16-7)4abb-1. L. N. Hinckley. Jetted unused artesian well in alluvium, diameter $1\frac{1}{4}$ inches, depth 324 feet, cased to 309. Highest water level 10.0 above lsd, Apr. 2, 1952; lowest 6.00 above lsd, Dec. 11, 1940. Records available: 1935-55. Apr. 13, +8.5; Nov. 19, +8.0.

(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: 1945-55. Apr. 14, +5.2; Nov. 29, +5.1.

(C-16-8)21ddd-1. State claim 768. Herbert Taylor. Jetted stock artesian well in alluvium, diameter 2 inches, depth 125 feet. Highest water level 3.6 above lsd, Apr. 8, 1954; lowest 1.50 above lsd, Nov. 29, 1955. Records available: 1942-55. Apr. 13, +3.05; Nov. 29, +1.50.

(C-17-7)20cbb-1. State claim 12287. W. J. Webb. Driven stock artesian well in alluvium, diameter $1\frac{1}{4}$ inches, depth 356 feet. Land-surface datum is 4,592.4 feet above msl. Highest water level 6.45 above lsd, July 21, 1942; lowest 4.7 above lsd, Apr. 14, 1955. Records available: 1936-55. Apr. 14, +4.7; Nov. 29, +5.1.

(C-18-7)5aaa-2. State claim 7624. S. A. Webb. Jetted domestic stock artesian well in alluvium, diameter $1\frac{1}{4}$ inches, depth 320 feet, cased to 320. Highest water level 7.2 above lsd, Mar. 25, 1941; lowest 4.1 above lsd, Mar. 25, 1953, Apr. 15, 1955. Records available: 1935-55. Apr. 15, +4.1; Nov. 29, +4.2.

Snake Valley

(C-18-19)20ddd-1. State claim 7420. Louise Robison. Drilled domestic artesian well in alluvium, diameter 6 inches, depth 90 feet, cased to 90. Land-surface datum is 4,989.2 feet above msl. Highest water level 23.58 below lsd, Aug. 7, 1942; lowest 31.43 below lsd, Nov. 30, 1937. Records available: 1937-52, 1954. No measurement made in 1955.

(C-22-19)6bcc-1. Dennis Smith. Drilled stock domestic water-table well in alluvium, diameter 5 inches, depth 120 feet, cased to 120, perforations 100-120. Highest water level 54.50 below lsd, Nov. 17, 1938; lowest 72.63 below lsd, Oct. 5, 1953. Records available: 1934, 1936-40, 1951-54. No measurement made in 1955.

(C-23-19)9cdb-1. Thomas Dearden. Drilled unused artesian well in alluvium, diameter 5 inches, depth 270 feet, cased to 270. Highest water level 12.30 below lsd, Oct. 20, 1953; lowest 16.27 below lsd, Dec. 1, 1937. Records available: 1936-48, 1950-54. No measurement made in 1955.

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 16.99 below lsd, Mar. 31, 1955. Records available: 1936-40, 1942-55. Mar. 31, 16.99; Dec. 12, 16.90.

(A-4-2)8ccd-1. State claim 12133. L. H. Kobabe. Dug domestic water-table well in alluvium, diameter 36 inches, depth 44 feet. Highest water level 14.49 below lsd, Apr. 17, 1952; lowest 35.79 below lsd, Dec. 29, 1952. Records available: 1939-55. Mar. 31, 16.64; Dec. 12, 27.40.

(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: 1936-55. Mar. 31, 28.30.

(A-4-3)31cab-1. State claim 12410. Como Springs Resort. Drilled unused artesian well in limestone and shale, diameter 6 inches, depth 40 feet. Highest water level 1.83 below lsd, Dec. 12, 1950; lowest 4.17 below lsd, Mar. 31, 1955. Records available: 1937-55. Mar. 31, 4.17; Dec. 12, 4.07.

(A-4-4)30aac-2. State claim 5670. J. A. Millyard. Dug unused water-table well in alluvium, diameter 12 inches, depth 15 feet. Highest water level 9.29 below lsd, Apr. 17, 1952; lowest 11.90 below lsd, Mar. 30, 1946. Records available: 1940-55. Mar. 31, 10.98; Dec. 12, 11.37.

(A-5-1)27db. E. R. France. Drilled unused artesian well in alluvium, diameter 6 inches, depth 150 feet. Highest water level 0.18 below lsd, Apr. 17, 1952; lowest 1.95 below lsd, Feb. 7, 1938. Records available: 1936-55. Mar. 31, 1.73; Dec. 12, 1.80.

Piute County

Grass Valley

[For other wells in this valley see Sevier County]

(C-27-1)27abc-2. State claim 2905. H. B. Crandall. Jetted stock artesian well in alluvium, diameter 2 inches, depth 260 feet. Land-surface datum is 6,739.26 feet above msl. Highest water level 5.33 above lsd, Dec. 20, 1938; lowest 2.25 above lsd, Dec. 4, 1955. Records available: 1937-53, 1955. Dec. 4, +2.25.

Upper Sevier Valley

[For other wells in this valley see Garfield County]

(C-30-3)15bba-1. O. P. Jessen. Dug unused water-table well in alluvium, diameter 24 inches, depth 40 feet, cased to 40. Highest water level 8.13 below lsd, Aug. 24, 1937; lowest 28.05 below lsd, Mar. 26, 1937. Records available: 1935-55. Dec. 4, 19.37.

Rich County

Bear Lake Valley

(A-13-5)10bbb-2. Thomas Hodges. Dug unused water-table well in alluvium, diameter 36 inches, depth 19 feet. Highest water level 12.96 below lsd, Oct. 21, 1952; lowest 17.99 below lsd, Apr. 9, 1940. Records available: 1937-55. Oct. 19, 15.20.

(A-13-5)21ad. State claim 8222. Drought Relief Administration. Bored unused artesian well in gravel, diameter 15 inches, depth 70 feet, cased to 70. Highest water level 0.40 below lsd, May 3, 1939; lowest 9.25 below lsd, Oct. 8, 1940. Records available: 1936-48, 1950-55. Oct. 19, 6.36.

(A-13-6)30bb. Rich County. Jetted unused artesian well in alluvium, diameter 6 inches, depth 125 feet. Highest water level 8.3 above lsd, Oct. 20, 1948; lowest 3.8 above lsd, Oct. 10, 1941. Records available: 1936-55. Oct. 18, +5.70.

(A-14-5)21bda. J. W. Gibbons. Drilled unused artesian well in alluvium, diameter 6 inches, depth 40 feet, cased to 40. Highest water level 8.07 below lsd, June 22, 1940; lowest 24.93 below lsd, Apr. 23, 1941. Records available: 1936-51, 1953-55. Oct. 19, 13.95.

Upper Bear River Valley

(A-9-7)9cdc-1. State application 16733. James Stuart. Drilled domestic artesian well in alluvium, diameter 6 inches, depth 57 feet. Highest water level 24.81 below lsd, Oct. 21, 1952; lowest 33.35 below lsd, Nov. 2, 1954. Records available: 1948-55. Oct. 19, 31.00.

(A-9-7)25cbc-2. Deseret Livestock Co. Drilled unused artesian well in alluvium, diameter 6 inches, depth 300 feet. Highest water level 14.38 below lsd, Oct. 27, 1947; lowest 16.70 below lsd, Oct. 19, 1948, Nov. 2, 1954. Records available: 1946-55. Oct. 19, 16.37.

(A-10-7)20aaa-1. State claim 1886. Joseph E. Hatch. Dug stock water-table well in alluvium, diameter 5 feet, depth 22 feet. Highest water level 2.13 below lsd, June 26, 1941; lowest 11.64 below lsd, Nov. 2, 1954. Records available: 1937-55. Oct. 19, 10.59.

(A-11-7)9cd-1. Frank H. Jackson. Drilled unused water-table well in alluvium, diameter 6 inches, depth 25 feet, cased to 25. Highest water level 8.76 below lsd, Oct. 21, 1952; lowest 16.55 below lsd, Jan. 22, 1941. Records available: 1936-55. Oct. 19, 10.64.

(A-11-7)9cd-2. Frank H. Jackson. Drilled unused artesian well in gravel, diameter 2 inches, depth 310 feet, cased to 310. Highest water level 5.41 below lsd, Oct. 21, 1952; lowest 13.80 below lsd, Oct. 6, 1942. Records available: 1936-52. Measurement discontinued.

(A-11-7)21bc. Loren Jackson. Dug stock water-table well in alluvium, diameter 6 feet, depth 15 feet. Highest water level 4.27 below lsd, June 6, 1939; lowest 11.34 below lsd, Feb. 28, 1940. Records available: 1937-53. No measurement made in 1955.

(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: 1936-55. Oct. 19, 8.67.

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 10.0 above lsd, Mar. 29, 1955. Records available: 1931-33, 1941-53, 1955. Mar. 29, +10.0.

(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, 1935-55. Mar. 29, +17.6.

(C-1-2)22cbb-1. F. E. Fowler. Jetted domestic artesian well in alluvium, diameter 2 inches, depth 110 feet. Land-surface datum is 4,231.61 feet above msl. Highest water level 17.2 above lsd, Sept. 21, 1953; lowest 8.7 above lsd, July 15, 1936. Records available: 1931-32, 1934-55. Mar. 29, +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: 1931-55. Mar. 29, 23.48.

(C-3-1)27cdd-1. J. R. Dansie and others. Jetted unused artesian well in alluvium, diameter 3 inches, depth 220 feet. Land-surface datum is 4,434.2 feet above msl. Highest water level 1.07 below lsd, Dec. 1, 1953; lowest 40.91 below lsd, Apr. 13, 1936. Records available: 1931-55. Mar. 29, 15.03.

(D-1-1)9aca-1. State claim 4836. Salt Lake City Corp. Drilled unused water-table well in alluvium, diameter 20 inches, depth 502 feet, cased to 502, perforations 180-485. Land-surface datum is 4,658.9 feet above msl. Highest water level 132.20 below lsd, May 7, 1953; lowest 156.26 below lsd, Jan. 20, 1935. Records available: 1934-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	143.33	143.90	144.37	144.81	144.78	144.16	143.42	143.22	143.61	144.08	144.56	144.87
2	143.44	143.90	144.35	144.88	144.78	144.15	143.41	143.20	143.60	144.08	144.53	144.91
3	143.43	143.93	144.39	144.91	144.72	144.09	143.40	143.20	143.60	144.07	144.53	144.91
4	143.46	143.99	144.41	144.94	144.60	144.06	143.36	143.25	143.64	144.10	144.53	.....
5	143.45	143.94	144.46	144.95	144.56	144.09	143.35	.....	143.67	144.16	144.53	.....
6	143.44	144.05	144.46	144.97	144.83	144.03	143.36	.....	143.68	144.20	144.56	.....
7	143.48	144.03	144.46	144.94	144.90	143.99	143.41	.....	143.70	144.15	144.57	145.10
8	143.48	144.00	144.42	144.96	144.91	144.02	143.34	.....	143.73	144.16	144.63	.....
9	143.50	144.05	144.42	144.99	144.91	143.98	143.31	.....	143.79	144.16	144.63	.....
10	143.52	144.07	144.56	144.94	144.82	143.93	143.33	143.30	143.83	144.13	144.50	.....
11	143.60	144.03	144.55	145.00	144.60	143.89	143.32	143.31	144.82	144.28	144.47	.....
12	143.66	144.00	144.55	145.03	144.60	143.87	143.35	143.27	143.82	144.32	144.49	.....
13	143.50	144.08	144.54	145.00	144.55	143.84	143.30	143.28	143.87	144.30	144.51	.....
14	143.58	144.07	144.62	145.00	144.53	143.86	143.31	143.34	143.85	144.25	144.59	145.10
15	143.57	144.06	144.62	145.01	144.57	143.70	143.38	143.35	143.93	144.30	.....	145.11
16	143.56	144.10	144.58	145.04	144.62	143.82	143.27	143.37	143.91	144.35	142.67	.....
17	.....	144.10	144.66	145.04	144.62	143.71	143.27	143.40	143.93	144.34	144.70	.....
18	.....	144.13	144.65	144.97	144.43	143.68	143.29	143.42	144.98	144.34	144.70	.....
19	143.66	144.17	144.55	.....	144.38	143.63	143.25	143.42	143.95	143.43	144.70	.....
20	143.73	144.20	144.67	145.01	144.33	143.63	143.27	143.42	144.01	144.46	.....	145.11
21	143.76	.....	144.71	145.01	144.30	143.62	143.28	143.44	143.98	144.46	.....	145.15
22	.....	.....	144.67	145.07	144.24	143.55	143.28	143.46	144.02	144.46	.....	.....
23	143.78	144.30	144.73	145.04	144.23	143.52	143.26	143.47	144.01	144.54	144.75	.....
24	143.87	.....	144.77	144.94	144.21	143.57	143.24	143.46	144.01	144.48	144.86	.....
25	143.87	144.39	144.81	144.92	144.22	143.50	143.23	143.48	144.09	144.44	144.86	.....

(D-1-1)9aca-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	143.85	144.38	144.80	144.97	144.22	143.50	143.23	143.52	144.09	144.42	.....	.....
27	143.74	144.39	144.79	144.96	144.25	143.48	143.24	143.52	144.08	144.48	.....	.....
28	143.74	144.43	144.22	144.85	144.22	143.41	143.20	143.54	144.01	144.58	.....	145.20
29	143.74		144.77	144.85	144.10	143.50	143.21	143.58	144.06	144.53	.....	145.19
30	143.75		144.91	144.82	144.14	143.42	143.20	143.60	144.08	144.52	144.85	145.19
31	143.78		144.91		144.17		143.23	143.60		144.54		145.19

(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: 1934-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	57.87	58.24	58.75	59.25	59.06	59.00	59.19	58.94	58.33	58.17	58.35	58.56
2	57.88	58.25	58.77	59.27	59.06	58.99	59.19	58.93	58.33	58.17	58.37	58.57
3	57.90	58.26	58.79	59.27	59.03	59.00	59.20	58.91	58.32	58.17	58.36	58.57
4	57.91	58.27	58.82	59.28	59.00	59.00	59.20	58.90	58.32	58.16	58.36	58.61
5	57.91	58.28	58.83	59.31	58.99	59.00	59.20	58.90	58.31	58.16	58.37	58.61
6	57.91	58.31	58.84	59.31	58.99	59.00	59.20	58.88	58.31	58.16	58.38	58.61
7	57.91	58.32	58.84	59.31	58.97	59.01	59.19	58.86	58.28	58.15	58.39	58.64
8	57.94	58.36	58.85	59.31	58.95	59.10	59.19	58.85	58.28	58.15	58.41	58.64
9	57.95	58.35	58.87	59.32	58.95	59.11	59.19	58.82	58.28	58.16	58.41	58.64
10	57.96	58.37	58.97	59.32	58.92	59.12	59.19	58.80	58.28	58.16	58.40	58.66
11	57.98	58.39	58.97	59.30	58.90	59.12	59.19	58.79	58.27	58.16	58.41	58.67
12	58.00	58.42	58.97	59.28	58.89	59.13	59.18	58.77	58.27	58.16	58.41	58.68
13	58.01	58.43	58.97	59.28	58.88	59.14	59.18	58.75	58.27	58.17	58.41	58.73
14	58.00	58.44	58.97	59.28	58.88	59.15	59.17	58.73	58.21	58.16	58.44	58.73
15	58.01	58.48	58.97	59.27	58.88	59.14	59.17	58.71	58.21	58.20	58.44	58.76
16	58.01	58.54	59.00	59.25	58.87	59.14	59.17	58.69	58.21	58.24	58.44	58.87
17	58.02	58.56	59.01	59.23	58.88	59.15	59.16	58.56	58.20	58.27	58.46	58.80
18	58.05	58.57	59.03	59.21	58.90	59.16	59.16	58.55	58.20	58.24	58.46	58.82
19	58.10	58.59	59.04	59.20	58.90	59.16	59.15	58.54	58.19	58.26	58.46	58.83
20	58.10	58.60	59.06	59.12	58.91	59.16	59.14	58.52	58.19	58.27	58.46	58.86
21	58.11	58.61	59.09	59.12	58.91	59.16	59.14	58.50	58.18	58.28	58.46	58.90
22	58.12	58.62	59.01	59.12	58.94	59.16	59.14	58.47	58.18	58.28	58.47	58.92
23	58.14	58.65	59.11	59.12	58.94	59.16	59.13	58.45	58.18	.....	58.48	58.92
24	58.15	58.65	59.11	59.12	58.94	59.16	59.13	58.43	58.19	.....	58.48	58.94
25	58.16	58.66	59.12	59.12	58.93	59.16	59.09	58.42	58.18	58.30	58.49	58.96
26	58.17	58.67	59.15	59.09	58.93	59.16	59.08	58.41	58.18	58.30	58.52	58.97
27	58.17	58.69	59.15	59.09	58.74	59.17	59.00	58.49	58.18	58.32	58.53	59.00
28	58.18	58.75	59.17	59.08	58.94	59.17	59.00	58.38	58.18	58.34	58.54	59.00
29	58.20		59.22	59.07	58.94	59.20	58.98	58.36	58.17	58.34	58.56	59.01
30	58.21		59.25	59.07	58.94	59.20	58.96	58.35	58.17	58.34	58.57	59.02
31	58.22		59.25		59.00		58.93	58.33		58.34		.....

(D-2-1)4dbd-4. Eugene Templeman. Jetted unused artesian well in alluvium, diameter 3 inches, depth 310 feet. Land-surface datum is 4,384.13 feet above msl. Highest water level 7.00 above lsd, Aug. 27, 1952; lowest 9.35 below lsd, Nov. 5, 1934. Records available: 1931-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	3.35	Apr. 27	5.05	July 28	5.06	Oct. 31	5.09
Feb. 28	4.45	May 31	5.48	Aug. 31	5.09	Nov. 30	4.43
Mar. 30	5.01	June 28	5.12	Sept. 28	4.65	Dec. 29	4.10

San Juan County

San Juan River Area - Spanish Valley - La Sal Area

[For other wells in this valley see Grand County]

(D-28-22)1caa-1. State application 14265. State Road Commission. Drilled public-supply water-table well in Entrada sandstone, diameter 6 inches, depth 114 feet. Highest water level 15.65 below lsd, Oct. 12, 1951; lowest 20.02 below lsd, Oct. 16, 1946. Records available: 1946-51, 1953. No measurement made in 1955.

(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 276.42 below lsd, Oct. 14, 1955; lowest 284.75 below lsd, Oct. 6, 1949. Records available: 1946-51, 1954-55. Oct. 14, 276.42.

(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: 1946-55. Oct. 14, 30.55.

(D-31-23)23add-1. State claim 8254. U. S. Bureau of Land Management. Drilled unused artesian well in Navajo sandstone, diameter 6 inches, depth 156 feet. Highest water level 100.0 below lsd, Oct. 18, 1946; lowest 101.33 below lsd, Oct. 15, 1947. Records available: 1946-55. Oct. 14, 101.25.

Sage Plain

(D-34-24)25aad-1. State application 16754. C. A. Frost. Drilled unused artesian well in Dakota sandstone, diameter 6 inches, depth 225 feet. Highest water level 171.90 below lsd, Oct. 18, 1946; lowest 176.93 below lsd, Nov. 10, 1950. Records available: 1946-51, 1953-54. No measurement made in 1955.

(D-34-26)4dad-1. State claim 8249. State Land Board. Drilled unused water-table well in Dakota sandstone, diameter 6 inches, depth 100 feet. Highest water level 41.63 below lsd, Apr. 9, 1949; lowest 45.41 below lsd, Oct. 30, 1953. Records available: 1946-51, 1953-55. Oct. 14, 45.15.

(D-36-22)27ddb-1. M. F. Lyman. Drilled unused water-table well in alluvium, diameter 5 inches, depth 30 feet, cased to 20. Highest water level 12.49 below lsd, Jan. 19, 1951; lowest 23.90 below lsd, Jan. 2, 1944. Records available: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	17.51	May 20	17.81	July 29	17.53	Oct. 7	18.75
14	17.90	27	17.70	Aug. 5	17.68	14	18.79
Feb. 11	17.75	June 3	17.41	12	17.65	22	19.00
18	17.75	10	17.46	19	17.63	28	18.80
Apr. 1	18.03	17	17.34	28	17.73	Dec. 2	19.70
8	18.15	24	17.20	Sept. 2	17.85	9	19.64
22	18.18	July 1	17.31	9	18.09	16	19.69
29	18.14	8	17.32	16	18.61	23	19.55
May 6	18.11	15	17.38	23	18.33	30	19.68
13	17.94	22	17.41				

(D-36-22)27ddb-2. M. F. Lyman. Drilled unused artesian well in alluvium, diameter 5 inches, depth 150 feet, cased to 34. Highest water level 49.03 below lsd, Feb. 8, 1953; lowest 54.90 below lsd, Sept. 25, 1946. Records available: 1942-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	49.32	49.43	.....	49.76	49.54	49.46	49.46	49.69	.....	49.70	49.20	.....
2	49.27	49.13	49.45	49.02	49.62	49.61	49.55	49.59	49.38	49.62	49.66	48.92
3	49.27	49.29	49.45	49.27	49.67	49.62	49.62	49.47	49.34	49.58	.....	.....
4	49.33	49.52	49.42	49.38	49.86	49.56	49.61	49.52	49.44	49.43	49.60	.....
5	49.49	49.51	49.57	49.45	49.77	49.54	49.59	49.53	49.57	49.42	49.53	.....
6	49.47	49.78	49.81	49.64	49.73	49.57	49.38	49.62	49.57	49.80	49.59	.....
7	49.39	.....	49.88	49.65	49.63	49.68	.....	49.60	49.40	49.83	49.61	.....
8	49.25	.....	49.71	49.60	49.40	49.66	49.50	.....	49.53	49.80	49.71	.....
9	49.42	.....	49.54	49.65	49.41	49.58	49.52	.....	49.43	.....	49.50	49.52
10	49.40	.....	49.40	49.53	49.67	49.58	49.52	.....	49.55	.....	.....	.....
11	49.45	49.87	49.49	49.28	49.67	49.61	49.54	.....	49.59	.....	48.98	.....
12	49.71	49.77	49.65	49.58	.....	49.62	49.68	49.44	49.57	.....	49.15	.....
13	49.62	49.80	49.55	49.60	49.64	49.64	49.70	49.55	49.55	.....	49.33	.....
14	49.42	49.80	49.36	49.45	49.44	49.66	.....	49.61	49.55	49.44	.....	.....
15	49.25	49.61	49.42	49.58	49.47	49.65	49.67	.....	49.40	49.36	.....	.....
16	49.18	49.64	49.42	49.52	49.61	49.51	49.65	.....	49.45	49.45	.....	49.41
17	49.26	49.35	49.48	49.46	49.44	49.55	49.63	.....	49.39	49.49	.....	.....
18	49.53	48.96	49.59	49.29	49.46	49.65	49.64	.....	49.54	49.51	49.74	.....
19	49.25	49.27	49.36	49.50	49.46	49.62	49.63	49.46	49.42	49.49	.....	.....
20	49.33	49.42	49.05	49.53	49.56	49.69	49.64	49.52	.....	.....	.....	.....

(D-36-22)27ddb-2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	49.45	49.55	49.58	49.43	49.70	49.77	49.61	49.55	.....	.....	.....	.....
22	49.62	49.51	49.65	49.32	49.61	49.73	49.57	49.60	.....	49.62	.....	.....
23	49.69	49.57	49.52	49.58	49.53	.....	49.62	49.55	49.55	.....	.....	49.62
24	49.71	49.72	49.59	49.54	49.71	49.40	49.56	49.50	49.43	.....	.....	.....
25	49.78	49.42	49.58	49.51	49.50	49.53	49.48	.....	49.55	.....	49.87	.....
26	49.82	49.37	49.73	49.32	49.38	49.54	.....	49.51	49.62	.....	.....	.....
27	49.79	49.46	49.70	49.57	49.44	49.58	49.56	.....	49.75	.....	.....	.....
28	49.85	49.50	49.66	49.64	49.56	49.53	49.50	.....	49.60	49.55	.....	.....
29	49.74		49.66	49.57	49.79	49.39	49.55	.....	.....	49.61	.....	.....
30	49.67		49.42	49.70	49.53	49.46	49.57	.....	49.68	49.40	.....	49.87
31	49.37		49.78		49.35		49.66	.....		49.16		.....

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: 1935-55. Mar. 22, 33.07; Dec. 6, 35.21.

(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: 1935-55. Mar. 22, 35.68; Dec. 6, 37.25.

Sanpete Valley

(D-15-3)8cda-3. State claim 13671. William Prestwich. Jetted stock artesian well in alluvium, diameter 1½ inches, depth 75 feet. Land-surface datum is 5,510.72 feet above msl. Highest water level 3.84 above lsd, Mar. 27, 1954; lowest 1.25 above lsd, Oct. 14, 1939. Records available: 1937-55. Mar. 23, +3.47; Dec. 7, +3.03.

(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: 1935-55. Mar. 23, 24.78; Dec. 7, 26.26.

(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: 1938-55. Mar. 23, 11.91; Dec. 7, 12.34.

(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 9.18 below lsd, Mar. 23, 1955; lowest 38.96 below lsd, Feb. 7, 1940. Records available: 1937-55. Mar. 23, 9.18; Dec. 7, 24.55.

(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 27.9 above lsd, Aug. 19, 1952; lowest 3.57 above lsd, June 18, 1936. Records available: 1935-55.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.7	....	....	11.8	....	11.1	....	....	....	....	....	....
2	12.8	....	....	12.3	....	11.3	....	....	....	....	....	....
3	12.6	12.0	....	12.0	....	11.6	....	....	....	....	....	....
4	12.7	12.4	....	11.8	....	11.3	....	....	....	....	....	....
5	12.7	12.5	....	11.9	....	....	....	11.6	....	....	....	....
6	13.1	....	....	11.9	11.8	....	....	10.8	....	....	....	11.2
7	13.0	....	....	12.0	11.8	....	10.2	10.5	....	....	....	11.0
8	12.9	....	....	....	....	....	9.2	11.3	....	....	....	10.8
9	13.0	....	....	....	9.7	12.7	....	11.0	10.8	....	....	11.1
10	12.7	12.8	12.8	....	9.3	12.0	....	11.8	....	....	....	11.0

(D-16-3)32ddc-2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	12.6	12.6	12.7	....	9.2	11.9	....	12.0	....	....	....	10.9
12	12.9	12.7	12.3	....	9.7	10.8	....	....	....	....	....	11.3
13	12.8	13.1	12.3	....	9.8	10.9	....	11.5	....	....	11.8	11.1
14	12.7	13.0	12.3	....	10.2	....	....	....	....	....	....	11.0
15	12.8	12.9	12.1	....	....	....	....	....	....	....	....	10.9
16	12.8	12.8	11.9	....	10.6	....	8.9	10.8	....	....	....	11.2
17	12.4	....	12.6	....	10.1	....	8.2	10.8	....	12.0	....	11.0
18	12.4	....	12.5	....	9.0	....	8.0	11.3	....	....	....	10.9
19	12.4	....	12.6	....	8.3	....	7.6	11.5	....	....	....	10.9
20	12.4	....	12.4	12.1	7.8	....	7.6	11.2	....	....	....	10.8
21	12.4	....	12.5	12.1	7.7	....	8.2	....	....	....	....	10.8
22	12.8	....	12.2	12.0	....	....	9.4	12.2	....	12.8	....	10.9
23	12.9	....	12.3	11.9	9.5	....	9.6	12.2	....	....	....	11.3
24	12.7	12.8	12.1	12.1	9.4	12.5	....	....	....	....	....	11.1
25	12.8	12.6	12.0	12.0	9.8	12.6	....	....	....	....	....	10.9
26	12.8	12.6	12.0	11.9	10.2	....	....	....	....	....	....	....
27	....	12.8	12.0	11.8	10.5	....	9.6	....	6.8	....	....	....
28	....	....	12.0	11.7	10.6	13.2	9.8	....	....	....	....	10.9
29	....	....	12.2	11.7	10.8	....	....	....	....	....	....	11.0
30	....		12.0	11.8	11.0	....	....	....	....	....	....	11.0
31	....		12.1		11.2		....	....		....		11.0

(D-17-3)9cbd-1. State claims 4446 and 8260. S. E. Christensen. Drilled irrigation artesian well in alluvium, diameter 10 inches, depth 285 feet, cased to 276, perforations 80-240. Land-surface datum is 5,518.8 feet above msl. Highest water level 12.49 below lsd, Aug. 10, 1942; lowest 51.87 below lsd, Apr. 24, 1936. Records available: 1935-55. Mar. 22, 37.45; Dec. 6, 38.49.

(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: 1935-55. Mar. 22, 81.52; Dec. 6, 80.25.

(D-19-2)17aad-1. State claim 13462. W. G. Frischknecht. Jetted stock artesian well in alluvium, diameter 2 inches, depth 107 feet, cased to 107. Highest water level 0.23 above lsd, Dec. 6, 1945; lowest 8.72 below lsd, Nov. 30, 1954. Records available: 1935-55. Mar. 22, 8.41; Dec. 6, 7.95.

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 6.88 below lsd, Dec. 6, 1955. Records available: 1935-55. Mar. 22, 6.19; Dec. 6, 6.88.

(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: 1936-55. Mar. 22, +6.8; Dec. 5, +6.9.

(C-23-2)19dab-1. State claim 8447. Wm. Hallows. Jetted unused artesian well in alluvium, diameter 2 inches, depth 310 feet, cased to 310. Highest water level 30.3 above lsd, Aug. 10, 1942; lowest 8.0 above lsd, Sept. 6, 1935. Records available: 1935-54. Measurement discontinued.

(C-23-2)26cdb-1. State claim 323. N. C. Johnson. Jetted stock artesian well in alluvium, diameter 4 inches, depth 48 feet, cased to 48. Land-surface datum is 5,249.9 feet above msl. Highest water level 8.5 above lsd, Dec. 8, 1952; lowest 2.80 above lsd, Aug. 22, 1939. Records available: 1935-55. Mar. 22, +4.6; Dec. 5, +4.8.

(C-25-4)2db. R. W. Pinney. Drilled unused water-table well in alluvium, diameter 3 inches, depth 89 feet, cased to 89. Highest water level 44.86 below lsd, July 21, 1948; lowest 53.63 below lsd, Apr. 7, 1952. Records available: 1939-53. No measurement made in 1955.

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: 1935-55. Dec. 4, +15.7.

Summit County

Rhodes Valley

(D-1-6)19dad-1. State claim 3699. A. W. Frazier. Dug unused water-table well in alluvium, diameter 60 to 8 inches, depth 35 feet. Highest water level 1.87 below lsd, June 22, 1939; lowest 18.30 below lsd, Apr. 3, 1953. Records available: 1938-55. Mar. 31, 17.14; Dec. 12, 14.75.

(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: 1938-55. Mar. 31, 7.12; Dec. 12, 7.60.

Tooele County

Rush Valley

(C-5-5)2bcb-1. Alma Young. Dug stock domestic water-table well in alluvium, diameter 5 feet, depth 34 feet. Highest water level 23.11 below lsd, Apr. 10, 1952; lowest 26.95 below lsd, Sept. 13, 1940. Records available: 1935-55. Apr. 1, 23.46.

(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: 1941-55. Apr. 1, 19.00; Dec. 7, 19.03.

(C-9-5)6bca-1. State claim 8285. Vernon Irrigation Co. Drilled unused artesian well in alluvium, diameter 15 inches, depth 75 feet, cased to 60. Highest water level 15.66 below lsd, Feb. 18, 1939; lowest 20.18 below lsd, Oct. 20, 1942. Records available: 1936-55. Apr. 1, 17.20; Dec. 7, 17.15.

Tooele Valley

(C-2-4)1bcc-1. Jesse Long. Dug unused water-table well in alluvium, diameter 4 feet, depth 50 feet, cased to 50. Highest water level 31.74 below lsd, Dec. 15, 1940; lowest 36.99 below lsd, Feb. 24, 1941. Records available: 1940-55. Apr. 1, 36.68; Dec. 9, 36.59.

(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: 1940-55. Apr. 1, 6.56; Dec. 9, 6.70.

(C-2-4)33add-1. State claim 899. Ida Clegg. Drilled unused artesian well in alluvium, diameter 6 inches, depth 165 feet, cased to 160, perforations 60-100. Land-surface datum is 4,417.92 feet above msl. Highest water level 30.16 below lsd, Apr. 9, 1950; lowest 46.90 below lsd, Oct. 9, 1939. Records available: 1937-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	34.27	34.10	33.91	33.82	33.97	35.45	36.19	36.80	37.06	37.37	37.36	36.85
2	34.28	34.09	33.86	33.74	34.03	35.44	36.20	36.81	37.08	37.36	37.37	36.77
3	34.30	34.07	33.86	33.78	34.11	35.43	36.24	36.81	37.15	37.36	37.37	36.77
4	34.29	34.19	33.90	33.79	34.13	35.42	36.24	36.84	37.17	37.35	37.34	36.80
5	34.31	34.20	33.94	33.80	34.13	35.40	36.27	36.66	37.18	37.38	37.35	36.78
6	34.31	34.16	33.95	33.81	34.26	35.41	36.25	36.89	37.22	37.42	37.36	36.71
7	34.26	34.15	33.94	33.80	34.30	35.41	36.29	36.91	37.23	37.36	37.38	36.78
8	34.26	34.12	33.86	33.79	34.35	35.49	36.29	36.89	37.27	37.37	37.33	36.78
9	34.26	34.09	33.82	33.81	34.43	35.53	36.29	36.94	37.31	37.37	37.29	36.73
10	34.24	34.15	33.85	33.75	34.49	35.59	36.34	36.95	37.38	37.31	37.21	36.74
11	34.24	34.13	33.84	33.79	34.60	35.62	36.33	36.92	37.37	37.37	37.21	36.78
12	34.30	34.04	33.85	33.83	34.68	35.62	36.39	36.93	37.34	37.37	37.23	36.74
13	34.23	34.07	33.83	33.78	34.66	35.67	36.43	36.92	37.37	37.37	37.24	36.73
14	34.24	34.04	33.83	33.74	34.73	35.69	36.44	36.88	37.39	37.33	37.19	36.76
15	34.20	33.99	33.87	33.77	34.85	35.69	36.46	36.88	37.40	37.33	.....	36.75

(C-2-4)33add-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	34.18	33.98	33.84	33.78	34.89	35.77	36.48	36.88	37.39	37.36	.....	36.71
17	34.24	33.90	33.86	33.76	34.93	35.75	36.50	36.87	37.39	37.33	.....	36.78
18	34.20	33.94	33.84	33.69	35.02	35.76	36.50	36.88	37.42	37.34	.....	36.66
19	34.16	33.96	33.79	33.79	35.08	35.77	36.56	36.90	37.41	37.34	37.07	36.69
20	34.22	33.97	33.81	33.78	35.11	35.84	36.59	36.91	37.42	37.36	37.05	36.67
21	34.24	33.97	33.85	33.75	35.11	35.93	36.62	36.91	37.41	37.35	36.01	36.66
22	34.27	33.92	33.80	33.79	35.22	35.97	36.64	36.89	37.45	37.35	37.05	36.53
23	34.26	33.93	33.83	33.87	35.25	35.97	36.64	36.95	37.43	37.35	37.03	36.49
24	34.22	33.95	33.80	33.84	35.30	36.10	36.62	36.94	37.39	37.34	37.06	36.54
25	34.21	33.88	33.85	33.84	35.34	36.07	36.63	36.95	37.40	37.30	37.06	36.60
26	34.25	33.88	33.86	33.86	35.36	36.08	36.69	36.97	37.40	37.24	37.03	36.57
27	34.25	33.87	33.87	33.95	35.46	36.11	36.71	36.98	37.40	37.37	36.98	36.55
28	34.22	33.94	33.82	33.90	35.55	36.12	36.72	37.01	37.35	37.31	36.97	36.56
29	34.18		33.81	33.88	35.53	36.15	36.75	36.99	37.36	37.32	36.93	36.57
30	34.12		33.82	33.94	35.47	36.19	36.74	37.01	37.37	37.25	36.90	36.57
31	34.10		33.88		35.44		36.81	37.05		37.28		36.50

(C-2-5)5acc-3. A. Searle. Jetted unused artesian well in alluvium, diameter 3 inches, depth 153 feet. Highest water level 0.19 below lsd, Apr. 10, 1952; lowest 1.42 below lsd, Oct. 4, 1940. Records available: 1940-42, 1944-53, 1955. Apr. 1, 0.96; Dec. 9, 1.24.

(C-2-5)25aab-1. State of Utah. Jetted stock artesian well in alluvium, diameter 2 inches, depth 300 feet. Highest water level 12.2 above lsd, Apr. 10, 1952; lowest 9.2 above lsd, Dec. 22, 1952. Records available: 1935-47, 1949-53. No measurement made in 1955.

(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: 1937-55. Apr. 1, 32.34; Dec. 9, 31.14.

(C-2-6)36bac-1. State application 12189. J. R. Clark. Drilled unused artesian well in alluvium, diameter 6 inches, depth 302 feet, cased to 302. Land-surface datum is 4,321.5 feet above msl. Highest water level 19.07 below lsd, Dec. 22, 1952; lowest 25.00 below lsd, Dec. 9, 1955. Records available: 1940-55. Apr. 1, 23.61; Dec. 9, 25.00.

(C-2-6)36cdd-1. E. C. Walk. Drilled unused artesian well in alluvium, diameter 6 inches, depth 176 feet, cased to 166. Land-surface datum is 4,373.7 feet above msl. Highest water level 72.82 below lsd, June 11, 1952; lowest 85.95 below lsd, Sept. 15, 1955. Records available: 1937, 1940-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	81.94	.....	81.61	81.98	81.82	.....	84.31	85.46	.....	.....	83.88
2	.....	81.90	81.78	81.64	82.00	81.84	.....	84.38	85.50	.....	.....	83.87
3	82.11	81.91	81.80	81.64	82.01	81.84	.....	84.47	85.53	.....	84.63	83.85
4	82.11	81.88	81.81	81.66	82.02	81.85	.....	84.54	85.57	.....	84.42	83.83
5	82.11	81.85	81.82	81.67	82.03	81.84	.....	84.60	.....	.....	84.43	83.76
6	82.11	81.88	81.80	81.67	82.03	81.84	.....	84.65	.....	.....	84.41	83.72
7	82.11	81.87	81.79	81.67	82.04	81.82	83.03	84.63	.....	.....	84.43	83.74
8	82.12	81.83	81.76	81.69	82.05	81.79	83.09	84.68	.....	85.05	84.40	83.66
9	82.15	81.87	81.73	81.69	82.09	81.77	83.16	84.73	.....	85.03	84.38	83.66
10	82.13	81.85	81.77	81.70	82.07	81.73	83.22	84.77	85.79	85.01	84.33	83.65
11	82.15	81.81	81.77	.....	82.06	81.73	83.32	84.81	85.81	85.03	84.36	83.65
12	82.12	81.81	81.76	81.75	82.06	81.71	83.38	84.84	85.85	85.01	84.35	83.62
13	82.07	81.76	81.77	81.75	82.02	81.70	83.43	84.80	85.89	84.97	84.31	83.61
14	82.08	81.73	81.82	81.77	82.01	81.71	.....	84.74	85.91	84.90	84.30	83.62
15	82.04	81.73	81.83	81.86	82.01	81.69	83.58	84.81	85.95	84.88	.....	83.59
16	82.04	81.71	81.82	81.85	81.98	81.76	83.64	84.89	85.83	84.84	.....	83.56
17	82.05	81.69	81.86	81.88	81.97	81.84	83.71	84.90	85.70	84.80	.....	83.55
18	82.01	81.70	81.82	81.88	81.95	81.81	83.76	84.96	.....	84.79	.....	83.56
19	82.01	81.70	81.81	81.95	81.93	81.80	83.79	85.00	.....	84.76	84.52	83.56
20	82.01	.....	81.81	81.95	81.93	81.83	83.82	85.03	.....	84.74	84.17	83.54
21	82.02	81.76	.....	81.96	81.93	81.88	83.84	85.07	.....	.....	84.16	83.47
22	82.00	81.74	81.76	81.97	81.96	81.85	83.92	85.11	.....	.....	84.17	83.37
23	82.00	81.79	81.75	81.99	81.95	81.94	83.96	85.14	.....	.....	84.10	83.32
24	81.99	81.74	81.72	81.99	81.92	82.00	83.99	85.22	.....	.....	84.13	83.35
25	81.99	81.76	81.71	.....	.....	82.04	83.99	85.27	.....	84.59	84.09	83.29
26	81.98	81.78	81.67	.....	81.90	82.15	83.93	.....	.....	84.56	.....	83.21
27	81.97	81.78	81.64	.....	81.87	82.28	84.02	85.39	.....	84.59	84.05	83.20
28	81.96	.....	81.62	81.97	81.82	82.35	84.08	85.40	.....	84.55	83.99	83.10
29	81.95		81.60	81.97	81.79	82.44	84.15	85.46	.....	84.54	83.95	83.16
30	81.95		81.64	81.98	81.76	.....	84.19	85.47	.....	84.47	83.93	83.13
31	81.94		81.65		81.79		84.27	85.53		84.51		83.09

(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 58.15 below lsd, Dec. 9, 1955. Records available: 1940-55. Apr. 1, 56.42; Dec. 9, 58.15.

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 dry, Oct. 18, 1955. Records available: 1936-52, 1954-55. Oct. 18, dry.

U(D-1-1)23abb-1. Albert Daniels. Drilled domestic artesian well in alluvium, diameter 5 inches, depth 250 feet, cased to 75. Highest water level 10.80 below lsd, Aug. 2, 1942; lowest 19.11 below lsd, Oct. 8, 1942. Records available: 1935-46, 1949-54. No measurement made in 1955.

(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: 1939-55. Oct. 19, 11.58.

(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: 1948-55. Oct. 19, 18.88.

(D-4-21)23dbb-2. State application 16752. Ella Preas. Drilled unused water-table well in alluvium, diameter 4 inches, depth 18 feet. Land-surface datum is 5,319.1 feet above msl. Highest water level 7.48 below lsd, June 7, 1948; lowest 10.44 below lsd, Jan. 16, 1953. Records available: 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	9.99	Apr. 14	9.60	June 28	8.23	Sept. 30	8.89
28	10.02	25	9.59	July 6	8.22	Oct. 17	9.02
Feb. 3	10.02	May 4	9.38	13	8.38	19	9.00
14	10.02	13	9.33	20	8.35	26	9.09
23	10.02	17	9.23	Aug. 2	8.45	Nov. 3	9.16
28	9.99	24	9.07	11	8.50	15	9.27
Mar. 7	9.85	June 1	8.73	18	8.56	29	9.30
16	9.68	10	8.42	29	8.66	Dec. 13	9.33
31	9.63	17	8.34	Sept. 19	8.81	27	9.39
Apr. 6	9.62	22	8.29				

(D-4-22)32dcd-1. Standard Oil of California. Drilled unused water-table well in alluvium, diameter 6 inches, depth 56 feet. Land-surface datum is 5,097.55 feet above msl. Highest water level 1.53 below lsd, Oct. 28, 1952, Oct. 27, 1953; lowest 3.83 below lsd, Apr. 6, 1949. Records available: 1948-55. Oct. 19, 2.35.

(D-5-21)2dcb-1. State application 18686. George C. Davis. Drilled stock water-table well in alluvium, diameter 6 inches, depth 50 feet. Land-surface datum is 5,410.4 feet above msl. Highest water level 4.74 below lsd, June 7, 1948; lowest 13.58 below lsd, Feb. 5, 1951. Records available: 1948-52, 1954-55. Oct. 19, 12.16.

Utah County

Cedar Valley

(C-6-2)29cac-1. Marsh Williams. Drilled unused artesian well in alluvium, diameter 4 inches. Land-surface datum is 4,876.3 feet above msl. Highest water level 6.4 above lsd, Dec. 31, 1952; lowest 1.7 above lsd, Dec. 20, 1955. Records available: 1943-50, 1952, 1954-55. Dec. 20, +1.7.

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: 1938-55. Apr. 13, 12.97; Nov. 28, 12.95.

Utah Lake Valley - North Utah Basin

(D-5-1)14adb-1. State claim 8371. American Fork Irrigation Co. Drilled unused artesian well in alluvium, diameter 14 to 10 inches, depth 350 feet, cased to 350, perforations 230-240, 259-346. Land-surface datum is 4,648.42 feet above msl. Highest water level 45.02 below lsd, July 5, 1952; lowest 65.76 below lsd, May 20, 1941. Records available: 1937-53. Measurement discontinued.

(D-5-1)20aba-1. State claim 6860. Jacob G. Cox. Jetted irrigation artesian well in alluvium, diameter 3 inches, depth 292 feet, cased to 292. Land-surface datum is 4,522.1 feet above msl. Highest water level 60.4 above lsd, Apr. 7, 1953; lowest 34.2 above lsd, June 15, 1955. Records available: 1935-55.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	47.4	....	46.6	46.6	46.2	35.0	....	....	35.6	38.8	41.4	42.7
2	47.4	....	46.6	46.7	46.2	35.8	....	....	35.7	38.9	41.5	42.9
3	....	....	46.6	46.7	46.1	36.1	....	....	35.8	38.9	41.6	43.0
4	47.2	....	46.6	46.8	45.8	36.8	....	....	35.6	39.0	41.6	43.0
5	47.0	46.5	46.6	46.5	45.8	37.1	....	....	35.6	39.1	41.6	43.0
6	47.0	46.2	46.6	46.7	45.8	37.5	....	....	35.6	39.1	41.5	42.9
7	47.0	46.0	46.7	46.5	45.5	37.2	....	....	35.6	40.0	42.0	42.9
8	47.0	46.5	46.7	46.5	45.0	37.3	....	34.8	35.6	40.2	41.4	43.0
9	....	46.5	46.6	46.6	45.0	....	....	34.9	35.6	40.3	41.7	42.9
10	....	46.8	46.6	46.8	....	38.8	....	35.0	35.6	40.4	41.8	42.9
11	....	46.5	46.7	46.9	....	38.8	....	35.0	36.2	40.3	41.7	43.0
12	47.0	46.7	46.7	46.9	....	35.7	....	34.9	36.2	40.3	41.7	43.0
13	47.0	46.2	46.7	46.7	....	34.9	....	37.0	36.4	40.3	....	42.9
14	47.0	46.0	46.8	46.5	43.5	34.7	....	36.8	36.4	40.5	41.6	42.9
15	47.0	46.5	46.7	46.9	43.5	34.2	....	36.9	36.0	40.2	41.4	42.5
16	47.0	46.5	46.6	46.7	43.5	34.5	....	36.8	35.8	40.2	....	42.7
17	47.0	46.5	46.7	46.9	43.5	35.0	....	36.8	35.6	40.2	....	42.9
18	47.0	46.5	46.7	46.9	43.5	35.0	....	36.8	35.3	40.1	40.5	42.9
19	47.0	46.8	46.7	46.7	43.2	36.5	....	36.7	35.6	40.1	40.8	43.0
20	47.0	....	46.7	46.9	43.2	....	....	36.0	35.7	40.1	40.8	....
21	47.0	....	46.8	46.9	....	....	....	36.0	36.3	40.1	40.5	....
22	47.0	....	46.5	46.9	....	....	....	35.5	37.1	40.1	42.0	....
23	47.0	....	46.5	46.8	43.7	....	....	35.9	37.3	40.2	42.0	....
24	47.0	46.6	46.5	46.7	43.3	....	....	35.8	37.7	40.8	42.0	....
25	47.0	46.6	46.5	46.6	43.1	....	....	35.9	37.7	40.8	42.0	....
26	47.0	46.6	46.4	46.8	43.0	....	....	36.1	37.9	40.7	....	....
27	47.0	46.6	46.4	46.8	....	....	....	35.8	38.0	40.8	42.2	....
28	....	46.6	46.7	46.7	....	....	....	35.1	38.2	40.8	42.5	....
29	....		46.5	46.7	....	....	....	35.0	38.2	40.9	42.5	....
30	....		46.6	46.2	....	....	....	35.0	38.7	41.1	42.7	....
31	....		46.6		....		....	35.3		41.4		....

(D-5-1)20aba-2. State claim 6861. Jacob G. Cox. Jetted unused artesian well in alluvium, diameter $2\frac{1}{2}$ to 2 inches, depth 154 feet, cased to 152. Land-surface datum is 4,522.0 feet above msl. Highest water level 37.3 above lsd, Apr. 3, 1953; lowest 9.55 above lsd, Sept. 25, 1935. Records available: 1935-55.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.1	27.0	27.0	27.4	24.5	13.8	15.0	12.8	13.0	17.1	....	24.9
2	27.1	26.8	27.0	27.1	24.0	14.5	14.5	12.0	12.8	17.6	....	24.9
3	27.1	26.8	27.0	27.3	23.5	15.5	13.8	12.0	13.5	18.1	....	25.0
4	27.3	....	27.0	27.2	24.1	16.0	13.1	13.0	13.6	18.5	....	25.0
5	27.2	27.0	27.0	27.3	24.0	16.2	12.8	12.5	14.0	18.5	....	25.0
6	27.0	27.0	26.9	27.5	23.5	16.5	12.1	13.5	13.1	18.5	23.5	25.0
7	27.0	27.0	26.6	27.5	22.5	17.5	11.9	13.9	12.7	19.3	23.0	25.0
8	27.1	27.0	26.9	27.6	22.0	18.0	12.0	14.5	13.0	18.5	22.9	25.0
9	27.1	26.7	27.0	27.7	21.7	18.5	12.0	14.5	12.8	18.4	23.0	25.0
10	27.0	26.5	27.0	27.7	22.0	18.0	11.5	14.6	12.5	18.6	23.5	25.0
11	27.0	....	27.0	27.5	21.2	17.2	11.5	15.0	12.8	18.7	23.5	25.0
12	26.6	....	27.0	27.5	20.9	16.7	11.5	15.0	13.5	19.0	23.8	25.0
13	26.5	....	27.0	28.0	20.7	15.9	11.0	14.0	13.5	19.0	24.0	25.0
14	26.5	....	27.0	28.0	20.2	15.3	11.0	14.0	13.6	19.3	24.5	25.0
15	26.5	....	27.0	27.5	18.5	16.5	11.7	14.2	13.4	19.3	....	25.0

(D-5-1)20aba-2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	26.7	....	27.0	27.5	18.9	16.5	12.0	14.0	13.5	19.3	....	25.0
17	26.5	26.6	26.8	27.1	18.6	16.7	12.2	14.1	12.6	18.7	....	25.0
18	26.5	26.8	26.7	26.2	18.5	17.1	12.0	13.7	13.0	19.1	24.2	25.3
19	26.5	26.7	26.9	25.9	17.5	17.5	12.0	13.8	13.0	19.5	24.3	25.2
20	26.5	26.5	26.7	25.7	17.0	18.0	11.5	13.5	13.5	19.5	24.5	25.1
21	26.5	26.5	26.6	25.5	17.0	16.8	11.1	13.6	13.8	19.6	24.5	25.2
22	26.5	26.6	26.5	25.3	16.6	16.5	11.5	13.5	13.8	20.0	24.5	25.1
23	26.5	26.5	26.7	25.7	15.5	16.0	11.2	14.0	14.1	20.4	24.8	....
24	26.5	26.6	26.6	26.0	16.0	16.0	11.5	13.6	14.2	20.5	24.8	....
25	27.0	27.0	26.9	26.0	15.5	15.6	12.0	13.5	14.5	20.5	24.3	....
26	26.8	27.0	27.0	25.5	14.5	15.5	12.7	14.0	15.0	20.5	24.4	....
27	26.8	26.9	27.0	25.7	14.3	15.5	13.0	14.2	16.0	20.5	24.7	....
28	26.7	27.0	27.2	26.0	14.5	15.4	13.5	14.1	16.5	21.5	24.6	....
29	26.8		27.3	26.2	14.5	14.9	13.2	14.0	16.9	21.8	24.6	....
30	27.0		27.4	26.0	14.5	14.7	13.0	13.5	17.0	22.5	24.5	....
31	27.0		27.5		13.5		13.0	....		23.3		....

(D-5-1)23dab-3. State claim 17054. City of American Fork. Drilled unused artesian well in alluvium, diameter 3 inches, depth 265 feet, cased to 265. Land-surface datum is 4,566.0 feet above msl. Highest water level 32.6 above lsd, Apr. 22, 1953; lowest 12.8 above lsd, Mar. 17, 1941. Records available: 1940-55. Apr. 12, +13.1.

(D-6-2)10add-1. State claim 3123. City of Orem. Drilled irrigation water-table well in alluvium, diameter 12 inches, depth 101 feet, cased to 101. Land-surface datum is 4,780 feet above msl. Highest water level 36.42 below lsd, Dec. 1, 1953; lowest 53.80 below lsd, Feb. 28, 1940. Records available: 1940-55. Apr. 12, 41.82.

(D-6-2)28bad-1. State claim 2087. Henry Williamson. Jetted irrigation artesian well in alluvium, diameter 4 inches, depth 110 feet, cased to 110. Land-surface datum is 4,516.8 feet above msl. Highest water level 17.2 above lsd, Dec. 18, 1945; lowest 7.35 above lsd, Dec. 14, 1935. Records available: 1935-53. No measurement made in 1955.

South Utah Basin

(D-8-1)13aaa-1. State claim 14076. R. G. Francis. Jetted irrigation artesian well in alluvium, diameter 4 to 2 inches, depth 358 feet, cased to 358. Land-surface datum is 4,498.56 feet above msl. Highest water level 18.6 above lsd, Dec. 17, 1946; lowest 8.8 above lsd, Aug. 8, 1936. Records available: 1936-51, 1953. Measurement discontinued.

(D-8-2)4cba-2. State claim 10844. Mary G. Barney. Jetted irrigation well in alluvium, diameter 2 inches, depth 330 feet. Land-surface datum is 4,501.09 feet above msl. Highest water level 38.1 above lsd, Dec. 16, 1952; lowest 23.3 above lsd, Aug. 25, 1938. Records available: 1937-55. Apr. 22, +34.7; Dec. 22, +33.4.

(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 36.0 above lsd, Dec. 11, 1952; lowest 16.7 above lsd, Aug. 31, 1935. Records available: 1935-55. Apr. 22, +21.2; Dec. 22, +20.2.

(D-9-1)1cbc-2. State claim 8344. Drought Relief Administration. Drilled unused artesian well in alluvium, diameter 8 inches. Highest water level 0.56 below lsd, Apr. 9, 1952; lowest 3.10 below lsd, Jan. 21, 1941. Records available: 1940-55. Apr. 22, 2.29; Dec. 22, 2.18.

(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: 1935-55. Apr. 22, +13.6; Dec. 22, +15.6.

Wasatch County

Heber Valley

(D-2-5)20cc. Lee Bros. Dug domestic stock water-table well in alluvium, diameter 24 inches, depth 29 feet. Land-surface datum is 6,021.2 feet above msl. Highest water level 18.90 below lsd, Apr. 16, 1952; lowest 29.00 below lsd, Dec. 16, 1952. Records available: 1936-55. Mar. 31, 25.41; Dec. 13, 26.80.

(D-3-5)29cac-1. Miles Clyde. Dug domestic water-table well in alluvium, diameter 4 feet, depth 15 feet. Highest water level 0.80 below lsd, June 24, 1949; lowest 10.82 below lsd, Mar. 9, 1942. Records available: 1936-55. Mar. 31, 10.10; Dec. 12, 7.63.

Washington County

Escalante Valley

[For other wells in this valley see Beaver, Iron, and Millard Counties]

(C-37-16)6ccc-1. State application a2298. LeRoy Adams. Drilled irrigation well in alluvium, diameter 14 inches, depth 200 feet, cased to 200. Land-surface datum is 5,285.2 feet above msl. Highest water level 76.60 below lsd, May 19, 1952; lowest 105.68 below lsd, Oct. 14, 1955. Records available: 1945, 1947-55. Mar. 26, 96.17; Oct. 14, 105.68; Dec. 5, 103.42.

(C-37-17)12bdc-1. Charles Sides. Drilled irrigation artesian well in alluvium, diameter 14 inches. Land-surface datum is 5,300 feet above msl. Highest water level 17.50 below lsd, May 8, 1952; lowest 37.85 below lsd, Oct. 14, 1951. Records available: 1941-55. Mar. 26, 34.00; Oct. 14, 37.75; Dec. 5, 36.90.

(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 48.52 below lsd, Dec. 5, 1955. Records available: 1941-55. Mar. 26, 46.28; Dec. 5, 48.52.

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 54.55 below lsd, Dec. 2, 1955. Records available: 1947-55. Mar. 19, 50.29; Dec. 2, 54.55.

(C-41-13)7dba-1. State application 17859. Clair Sterling. Drilled unused artesian well in alluvium, diameter 12 inches, depth 98 feet. Highest water level 0.14 below lsd, June 2, 1952; lowest 8.29 below lsd, Dec. 7, 1951. Records available: 1947-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.20	3.23	2.35	1.71	2.61	2.39	3.12	2.06	2.35	3.29	3.90	....
2	3.26	3.17	2.41	1.82	2.59	2.09	2.75	2.25	2.29	3.47	3.95	....
3	3.30	3.26	2.10	1.95	1.90	2.74	2.70	2.45	1.57	3.63	4.04	3.70
4	3.35	3.37	1.72	1.72	1.90	2.92	2.94	2.44	2.00	3.73	3.72	3.77
5	3.40	3.47	1.64	2.01	2.53	2.69	3.14	2.48	2.21	3.80	3.23	3.83
6	3.41	3.53	2.25	2.16	2.23	2.82	3.22	2.70	2.17	3.90	3.15	3.88
7	3.42	3.59	2.39	2.22	2.03	2.98	3.16	2.87	2.00	3.70	3.45	3.95
8	3.43	3.47	2.47	2.28	2.11	3.11	3.17	2.00	2.00	3.82	3.29	4.00
9	3.29	3.41	2.52	2.35	2.26	3.08	3.35	1.62	2.15	3.90	3.35	4.05
10	3.22	3.64	2.53	2.38	2.34	3.27	3.48	2.22	2.33	3.95	3.55	4.11
11	3.30	3.67	2.54	2.48	2.12	3.04	3.60	1.68	2.45	3.95	3.60	4.17
12	3.40	3.68	2.36	2.53	2.26	3.29	3.60	1.85	2.55	3.80	3.65	3.83
13	3.41	3.22	2.20	2.36	2.40	3.24	3.68	1.72	2.60	3.76	3.83	3.86
14	3.41	3.74	2.10	2.53	2.53	3.12	3.79	1.90	2.72	3.92	3.93	3.93
15	3.45	3.76	2.20	2.61	2.66	2.42	3.80	2.10	2.33	4.05	3.99	4.03
16	3.36	3.78	2.24	2.47	2.65	2.69	3.99	2.21	2.45	4.15	4.02	4.24
17	3.37	3.78	2.52	2.60	2.68	2.23	2.68	2.35	2.52	4.25	3.75	4.31
18	3.35	3.80	2.37	2.43	2.30	2.62	2.25	2.50	2.62	4.33	3.40	4.08
19	3.35	3.83	2.32	1.18	2.61	2.83	2.36	2.62	2.63	4.35	3.58	2.78
20	3.43	3.85	2.02	1.36	2.20	2.96	2.50	2.25	2.85	4.41	3.66	2.03
21	....	3.86	2.17	2.32	2.75	3.12	2.75	2.53	2.98	4.45	3.73	2.45
22	....	3.87	2.20	2.40	2.58	3.13	2.95	2.72	3.13	4.45	2.56	3.44
23	....	3.89	1.84	2.18	2.56	3.28	3.13	2.19	3.25	4.45	2.50	3.52
24	....	3.69	1.98	2.35	2.70	3.32	3.31	1.15	3.33	4.37	2.95	2.03
25	....	3.56	1.50	2.45	2.83	3.37	3.20	2.00	3.40	4.14	3.22	1.63
26	3.51	3.74	1.45	2.13	2.91	3.07	3.45	1.55	3.05	4.00	3.36	2.72
27	3.48	3.26	.76	2.08	2.97	2.98	3.25	1.90	3.38	3.95	3.02	1.80
28	3.46	2.95	.68	2.29	3.10	3.00	3.46	1.85	3.50	4.07	3.25	2.21
29	3.44		1.12	2.43	3.18	2.72	2.85	1.95	3.49	4.20	....	2.50
30	3.32		1.40	2.51	3.15	2.95	1.10	2.50	3.22	4.28	....	2.45
31	3.26		1.61		3.27		1.95	2.23		4.17		2.76

(C-42-11)3ac. Drought Relief Administration. Drilled domestic stock water-table well in alluvium, diameter 6 to 5 inches, depth 62 feet, cased to 62, perforations 40-62. Highest water level 17.09 below lsd, Dec. 6, 1937; lowest 19.12 below lsd, Mar. 24, 1940. Records available: 1934, 1936-53, 1955. Dec. 3, 18.91.

(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 26.86 below lsd, Dec. 2, 1955. Records available: 1947-55. Dec. 2, 26.86.

(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 35.43 below lsd, Dec. 2, 1955. Records available: 1949-55. Dec. 2, 35.43.

Wayne County

Fremont Valley

(D-28-4)36cdb-1. V. A. Lee. Drilled unused water-table well in alluvium, diameter 6 inches, depth 112 feet, cased to 112. Highest water level 8.14 below lsd, June 8, 1937; lowest 15.20 below lsd, Dec. 5, 1955. Records available: 1936-55. Dec. 5, 15.20.

(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 14.60 below lsd, Dec. 5, 1955; lowest 20.33 below lsd, Mar. 16, 1953. Records available: 1948-55. Dec. 5, 14.60.

(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: 1936-55. Dec. 5, 14.33.

Weber County

East Shore Area

[For other wells in this area see Box Elder and Davis Counties]

(B-5-2)4aaa-2. State claim 5523. Florian Prevedel. Jetted domestic artesian well in alluvium, diameter $1\frac{1}{4}$ inches, depth 263 feet. Land-surface datum is 4,258.8 feet above msl. Highest water level 7.45 above lsd, Apr. 28, 1953; lowest dry, July 15, Oct. 8, 1954. Records available: 1944-54. No measurement made in 1955.

(B-5-2)4cdd-1. State application 11889. Donas Ward. Jetted domestic stock artesian well in alluvium, diameter 3 inches, depth 640 feet, perforations 622-640. Land-surface datum is 4,259 feet above msl. Highest water level 42.3 above lsd, May 26, 1953; lowest 27.4 above lsd, Sept. 16, 1955. Records available: 1936-55. Jan. 10, +31.1; Mar. 7, +31.1; June 13, +31.8; Sept. 16, +27.4; Dec. 13, +30.4.

(B-5-3)13ddc-1. State claim 1298. J. D. Hooper. Jetted domestic artesian well in alluvium, diameter 2 to $1\frac{1}{4}$ inches, depth 615 feet, cased to 615. Land-surface datum is 4,242.02 feet above msl. Highest water level 40.0 above lsd, May 26, 1953; lowest 26.7 above lsd, July 2, 1948. Records available: 1937-55. June 13, +31.1; Sept. 16, +27.0.

(B-6-1)21add-1. State claim 8389. Drought Relief Administration. Drilled unused artesian well in alluvium, diameter 12 to 10 inches, depth 270 feet, cased to 210, perforations 126-157, 170-210. Land-surface datum is 4,346.7 feet above msl. Highest water level 42.47 below lsd, May 26, 1953; lowest 50.95 below lsd, Oct. 3, 1955. Records available: 1938-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	48.25	July 5	48.42	Sept. 1	50.57	Oct. 31	50.09
Mar. 4	47.61	Aug. 1	49.45	Oct. 3	50.95	Dec. 5	48.72
June 3	46.95						

(B-6-1)29abb-1. State application 13003. Becker Products Co. Drilled unused artesian well in alluvium, diameter 10 to 8 inches, depth 464 feet, cased to 464. Land-surface datum is 4,292 feet above msl. Highest water level 23.5 above lsd, Mar. 16, 1954; lowest 9.3 above lsd, Sept. 16, 1948. Records available: 1943-55. Corrected measurements for 1954: Mar. 12, 22.8; Mar. 14, 22.8; Mar. 15, 22.9.

(B-6-1)29abb-1--Continued.

Daily noon water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.2	17.4	17.6	17.8	18.5	18.2	16.1	13.0	11.8	13.4	14.4	15.3
2	17.2	17.5	17.7	17.9	18.4	18.2	16.0	13.0	11.8	13.6	14.5	15.3
3	17.2	17.5	17.7	17.8	18.3	18.2	15.9	12.9	11.7	13.4	14.8	15.3
4	17.2	17.5	17.7	17.8	18.1	18.2	15.8	12.7	11.7	13.6	14.8	15.3
5	17.2	17.5	17.6	17.8	18.2	18.2	15.7	12.5	11.6	13.6	14.8	15.2
6	17.2	17.5	17.5	17.8	18.2	18.2	15.5	12.6	11.5	13.4	14.8	15.3
7	17.2	17.5	17.3	17.8	18.2	18.2	15.4	12.6	11.1	13.5	14.8	15.4
8	17.3	17.5	17.5	17.8	18.2	18.2	15.0	12.6	10.8	13.5	14.8	15.4
9	17.2	17.5	17.7	17.8	18.1	18.2	15.0	12.4	10.6	13.5	14.7	15.5
10	17.3	17.4	17.7	17.9	18.1	18.2	15.0	12.5	10.4	13.7	14.9	15.5
11	17.3	17.4	17.7	18.0	18.2	18.2	14.9	12.4	10.5	13.6	14.9	15.5
12	17.3	17.5	17.7	18.0	18.2	18.2	14.7	12.3	10.7	13.7	14.9	15.5
13	17.4	17.4	17.7	18.0	18.1	18.0	14.6	12.2	10.8	13.7	15.0	15.5
14	17.4	17.4	17.7	18.0	18.1	17.7	14.6	12.1	11.0	13.8	15.0	15.4
15	17.4	17.4	17.7	18.0	18.2	17.8	14.6	12.2	11.0	13.9	15.1	15.4
16	17.4	17.5	17.7	18.0	18.1	17.7	14.5	12.4	11.0	14.0	15.0	15.5
17	17.4	17.6	17.7	18.0	18.1	17.5	14.5	12.5	11.0	13.9	15.0	15.6
18	17.4	17.5	17.7	18.1	18.2	17.5	14.4	12.1	11.0	14.0	15.0	15.7
19	17.4	17.5	17.7	18.1	18.2	17.6	14.2	12.0	11.2	14.0	15.1	15.7
20	17.4	17.5	17.7	18.1	18.2	17.6	13.6	12.0	11.4	14.0	15.1	15.6
21	17.4	17.5	17.7	18.2	18.2	17.5	13.5	12.1	11.7	14.0	15.2	15.5
22	17.3	17.5	17.7	18.2	18.1	17.1	13.2	12.0	11.7	14.0	15.2	15.8
23	17.3	17.6	17.7	18.1	18.1	17.1	13.0	12.0	11.8	14.0	15.1	15.9
24	17.4	17.6	17.7	18.1	18.2	16.8	13.0	12.0	12.2	14.0	15.1	15.8
25	17.4	17.7	17.7	18.1	18.2	16.7	13.2	11.9	12.3	14.1	15.1	15.8
26	17.3	17.7	17.7	18.1	18.2	16.5	13.2	11.9	12.3	14.4	15.2	15.8
27	17.3	17.7	17.8	18.2	18.2	16.4	13.1	12.0	12.5	14.4	15.2	15.8
28	17.3	17.5	17.8	18.4	18.2	16.3	13.2	12.0	12.9	14.4	15.2	15.7
29	17.3		17.8	18.5	18.2	16.2	13.1	11.9	12.9	14.4	15.2	15.7
30	17.3		17.8	18.6	18.3	16.2	13.2	11.8	13.0	14.4	15.2	15.7
31	17.3		17.8		18.2		13.1	11.7		14.4		15.8

(B-6-1)30cca-1. State claim 1030. California Packing Corp. Drilled unused artesian well in alluvium, diameter 10 inches, depth 756 feet, cased to 756, perforations 224-250, 526-535. Land-surface datum is 4,317.12 feet above msl. Highest water level 26.90 below lsd, June 8, 1953; lowest 34.52 below lsd, Sept. 18, 1955. Records available: 1943-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.42	31.11	30.86	30.65	30.38	30.97	31.90	33.28	33.94	34.26	33.59	32.28
2	31.35	31.08	30.83	30.51	30.37	30.99	31.97	33.27	33.96	34.24	33.56	32.24
3	31.35	31.07	30.85	30.54	30.37	30.99	32.02	33.30	33.97	34.20	33.52	32.24
4	31.35	31.12	30.87	30.52	30.38	30.99	32.07	33.34	34.02	34.17	33.48	32.25
5	31.38	31.08	30.91	30.56	30.36	30.99	32.12	33.38	34.04	34.18	33.43	32.24
6	31.38	31.14	30.95	30.57	30.34	31.00	32.24	33.40	34.09	34.21	33.39	32.20
7	31.35	31.13	30.94	30.56	30.33	31.00	32.29	33.40	34.09	34.18	33.35	32.68
8	31.36	31.11	30.87	30.54	30.32	31.07	32.32	33.41	34.11	34.13	33.31	32.69
9	31.35	31.09	30.82	30.54	30.37	31.07	32.34	33.41	34.19	34.14	33.29	32.59
10	31.33	31.17	30.83	30.50	30.44	31.11	32.43	33.43	34.25	34.10	33.13	32.62
11	31.32	31.15	30.82	30.48	30.48	31.12	32.53	33.43	34.30	34.11	33.04	32.62
12	31.40	31.08	30.83	30.52	30.53	31.15	32.60	33.44	34.31	34.16	33.03	32.57
13	31.36	31.09	30.82	30.43	30.54	31.22	32.71	33.46	34.35	34.13	33.02	32.50
14	31.36	31.10	30.80	30.39	30.56	31.26	32.71	33.52	34.40	34.10	32.90	31.95
15	31.33	31.06	30.82	30.42	30.65	31.33	32.70	33.53	34.43	34.07	32.92	31.91
16	31.26	31.03	30.81	30.43	30.69	31.35	32.72	33.55	34.46	34.04	32.95	31.84
17	31.31	30.90	30.80	30.38	30.71	31.42	32.77	33.57	34.46	34.01	32.89	31.80
18	31.31	30.90	30.78	30.33	30.79	31.47	32.81	33.58	34.52	33.97	32.89	31.80
19	31.26	30.93	30.70	30.39	30.81	31.47	32.85	33.64	34.50	33.98	32.89	31.81
20	31.25	30.93	30.69	30.41	30.81	31.49	32.91	33.69	34.46	33.91	32.80	31.92
21	31.28	30.93	30.74	30.43	30.85	31.53	32.94	33.77	34.43	33.88	32.75	31.83
22	31.30	30.88	30.72	30.39	30.90	31.58	32.99	33.79	34.43	33.85	32.74	31.73
23	31.30	30.98	30.72	30.42	30.91	31.55	33.05	33.80	34.42	33.89	32.65	31.66
24	31.28	30.93	30.70	30.38	30.91	31.58	33.09	33.81	34.38	33.87	32.65	31.64
25	31.27	30.84	30.74	30.35	30.91	31.60	33.09	33.84	34.37	33.80	32.61	31.67
26	31.32	30.81	30.74	30.30	30.90	31.64	33.13	33.89	34.38	33.74	32.56	31.66
27	31.29	30.84	30.70	30.38	30.95	31.71	33.10	33.91	34.36	33.72	32.55	31.60
28	31.26	30.84	30.64	30.38	31.03	31.74	33.10	33.93	34.28	33.69	32.51	31.69
29	31.22		30.63	30.36	31.03	31.83	33.12	33.94	34.29	33.63	32.40	31.69
30	31.18		30.64	30.38	30.98	31.86	33.16	33.93	34.30	33.64	32.38	31.68
31	31.12		30.70		30.95		33.22	33.94		33.61		31.60

(B-6-2)11dad-1. State claim 5613. Jerome Wheeler. Jetted stock artesian well in alluvium, diameter 2 inches, depth 285 feet, cased to 285. Land-surface datum is 4,241.62 feet above msl. Highest water level 27.4 above lsd, Feb. 26, Mar. 26, May 26, 1953; lowest 17.0 above lsd, Dec. 3, 1954. Records available: 1937-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	+17.2	Apr. 5	+21.2	July 7	+21.0	Oct. 6	+19.4
31	+18.6	May 3	+22.8	Aug. 2	+20.4	Nov. 2	+21.2
Mar. 4	+21.3	June 6	+23.1	Sept. 9	+18.5	Dec. 8	+21.4

(B-6-3)26bbb-1. State claim 7505. Mrs. F. G. Kelly. Jetted domestic stock artesian well in alluvium, diameter 2 inches, depth 512 feet, cased to 512. Land-surface datum is 4,219.3 feet above msl. Highest water level 33.5 above lsd, May 1, 1940; lowest 23.5 above lsd, Sept. 13, 1955. Records available: 1935-55. Jan. 10, +25.7; Mar. 11, +25.9; June 9, +24.3; Sept. 13, +23.5; Dec. 9, +25.1.

(B-7-1)33baa-5. State claim 16832. J. P. Spackman. Jetted irrigation artesian well in alluvium, diameter 4 inches, depth 126 feet, cased to 126. Highest water level 36.4 above lsd, July 28, 1952; lowest 5.0 above lsd, Aug. 4, 1943. Records available: 1943-55. Jan. 4, +11.0; Mar. 1, +10.2; June 3, +9.6; Sept. 8, +10.4; Dec. 6, +10.6.

(B-7-2)32aca-1. State application 15170. Dean Baker. Jetted stock artesian well in alluvium, diameter 2 inches, depth 630 feet, cased to 630. Highest water level 39.9 above lsd, May 27, 1953; lowest 24.5 above lsd, Dec. 9, 1955. Records available: 1945-55. Jan. 7, +33.0; Mar. 3, +32.4; June 7, +36.3; Sept. 12, +32.0; Dec. 9, +24.5.

(B-7-2)36cdd-1. State application 14082. J. D. Brown. Jetted domestic stock artesian well in alluvium, diameter 2 inches, depth 617 feet, cased to 617. Highest water level 41.0 above lsd, Dec. 11, 1943, Apr. 7, 1947; lowest 24.9 above lsd, Aug. 6, 1943. Records available: 1943-55.

Jan. 4	+36.7	Apr. 5	+35.9	June 3	+35.5	Aug. 2	+30.2
31	+35.3	May 3	+32.6	July 5	+33.0	Sept. 8	+28.8
Mar. 1	+35.9						

Ogden Valley

(A-6-1)11dc-1. U. S. Bureau of Reclamation. Drilled unused artesian well in alluvium, diameter 10 inches, depth 152 feet, cased to 152. Highest water level 4.27 below lsd, June 7, 1945; lowest 43.11 below lsd, Nov. 24, 1935. Records available: 1935-54. Recording gage removed Feb. 23, 1954. No measurement made in 1955.

(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: 1932-55.

Daily noon water level, above and below lsd, from recorder graph

Mar. 9	-7.69	Apr. 7	-5.66	July 27	+1.75	Nov. 1	-4.14
10	7.69	8	5.56	28	1.62	2	4.23
11	7.70	9	5.42	29	1.43	3	4.23
12	7.70	10	5.32	30	1.27	4	4.22
13	7.70	11	5.14	31	1.06	5	4.38
14	7.66	12	5.07	Aug. 1	.91	6	4.52
15	7.62	13	5.03	2	.81	7	4.62
16	7.62	14	-5.07	3	.73	8	4.67
17	7.51	July 6	+5.12	4	.56	9	4.69
18	7.48	7	4.95	5	.39	10	4.57
19	7.38	8	4.84	6	.25	11	4.53
20	7.25	9	4.73	7	.13	12	4.56
21	7.20	10	4.58	8	.50	13	4.62
22	7.14	11	4.43	9	.49	14	4.53
23	7.00	12	4.26	10	+.07	15	4.57
24	6.88	13	4.07	11	-.14	16	4.66
25	6.71	14	3.91	Oct. 20	4.06	17	4.64
26	6.59	15	3.77	21	4.06	18	4.74
27	6.37	16	3.53	22	4.09	19	4.80
28	6.14	17	3.30	23	4.07	20	4.82
29	5.96	18	3.10	24	4.01	21	4.85
30	5.81	19	2.93	25	3.97	22	4.98
31	5.65	20	2.77	26	4.05	23	5.02
Apr. 1	5.53	21	2.59	27	4.14	24	5.11
2	5.27	22	2.41	28	4.13	Dec. 28	3.90
3	5.92	23	2.27	29	4.12	29	3.72
4	5.86	24	2.12	30	4.06	30	3.56
5	5.77	25	2.08	31	4.10	31	3.28
6	5.74	26	1.94				

WASHINGTON

By Glen D. Holmberg

Scope of Water-Level Program

The observation-well program in Washington was continued in 1955 in cooperation with the State Department of Conservation and Development, Water Resources Division. Water-level measurements in 1 lake and 122 wells are included in this report. Figure 28 shows the location of observation wells in the State. Several wells, not listed in the report, were measured periodically in connection with investigations of the ground-water resources of counties or other areas. Investigational projects include the Seattle metropolitan area in King County, Lewis County, Whitman County, and the Columbia Basin area. Two reports on the ground-water resources of Washington were released to the open file in 1955: "Data report on the Sammamish Lake area, King County," and "Data report on the Tacoma-Central Pierce County area." The report "Ground water in the Yelm area, Thurston and Pierce Counties," released to the open file in 1953, was published as Circular 356. The report "Geology and ground-water resources of Kitsap County," released to the open file in 1954, will be published as Water-Supply Paper 1413.

Precipitation

The Cascade Range divides the State into eastern and western parts which have distinctly different climatic conditions. East of the Cascades, precipitation is generally low to moderate. Average annual precipitation in most of the eastern part ranges from 7 to 15 inches. Along the eastern border it ranges from 20 to 25 inches; in the southeastern corner, from 20 to 40 inches. Average annual precipitation for most of the central part of western Washington ranges from 40 to 60 inches. Along the west slope of the Cascades and also along the Pacific Coast, annual precipitation at many places averages as much as 100 inches.

The first table shows the monthly precipitation for 1955 in comparison with normal precipitation. Records of the Olympia station are representative of western Washington. The records of the Ellensburg and the Spokane stations are representative of eastern Washington. The second table shows the annual precipitation at 10 representative stations and the ratio in percent of the 1955 precipitation to the normal. Precipitation data were obtained from the U. S. Weather Bureau.

Monthly precipitation at three selected stations

Month	Olympia		Ellensburg		Spokane	
	Normal (inches)	1955 (inches)	Normal (inches)	1955 (inches)	Normal (inches)	1955 (inches)
January	6.69	3.01	1.20	0.42	1.72	1.38
February	6.16	5.23	.84	.48	1.46	1.32
March	4.50	4.76	.56	1.02	1.34	.79
April	2.34	4.19	.42	.56	.99	1.83
May	1.66	1.35	.49	.20	1.04	.67
June	1.28	.71	.70	.14	1.17	.80
July	.72	2.68	.14	.23	.36	1.28
August	.66	.02	.22	.00	.49	T
September	1.80	1.84	.47	.62	.93	1.13
October	4.50	9.31	.67	1.00	1.33	2.84
November	6.77	12.18	1.35	2.85	1.88	3.92
December	8.66	12.59	1.47	2.39	2.21	3.82
Annual	45.74	57.87	8.53	9.91	14.92	19.78
Percent of normal		126.52		116.18		132.57

T, Trace.

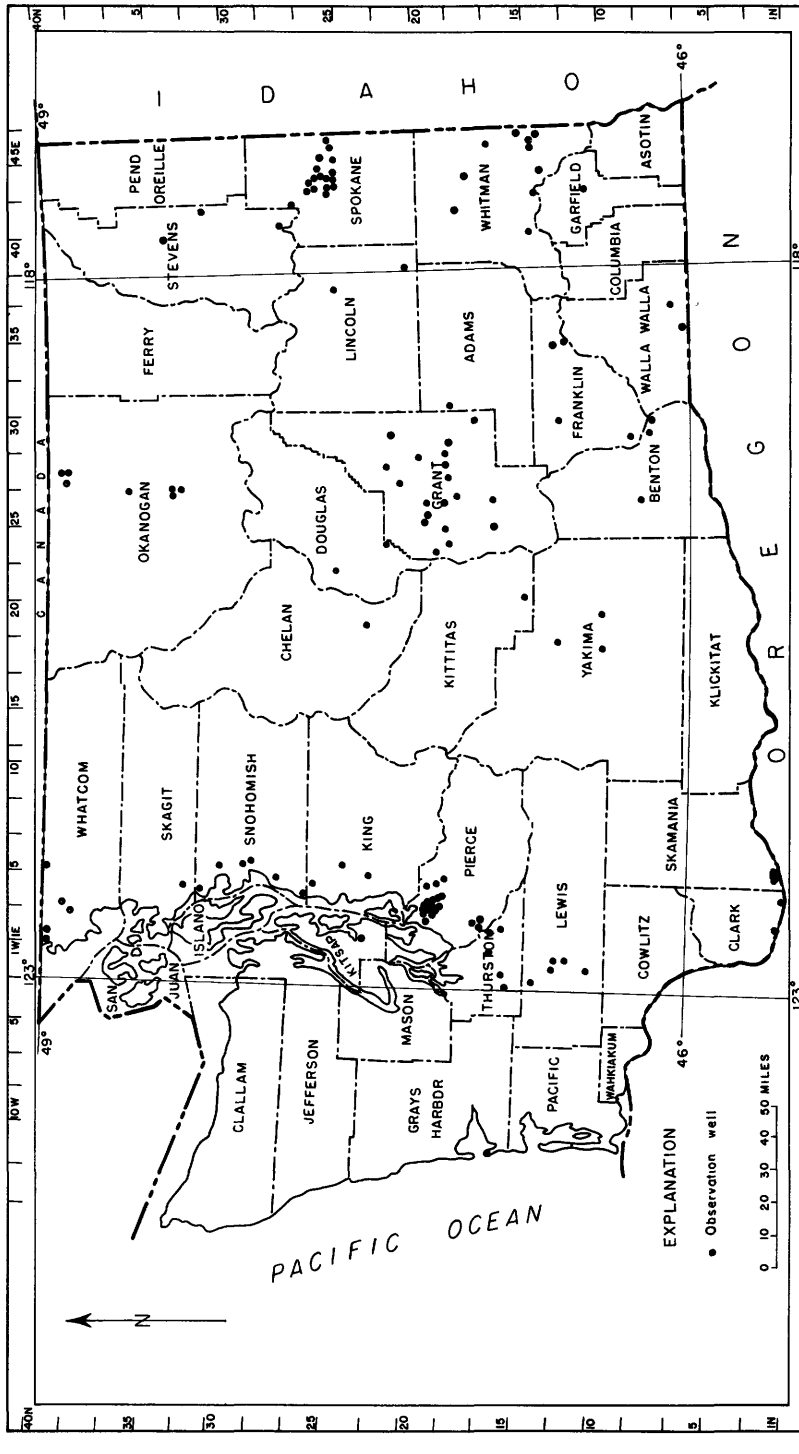


Figure 28.--Location of observation wells in Washington, 1955.

Annual precipitation at ten selected stations

Province	Station and County	Annual normal (inches)	1955	
			(inches)	Percent of normal
North Coast Range	Port Angeles, Clallam	27.36	29.83	109.03
	Aberdeen, Grays Harbor	82.96	92.08	110.99
Puget-Willamette Trough	Olga, San Juan	28.98	34.58	119.32
	Seattle, King	31.92	35.59	111.50
	Vancouver, Clark	37.32	44.53	119.32
Columbia Plateau	Waterville, Douglas	11.23	e10.95	97.51
	Kennewick, Benton	7.06	10.12	143.34
	Walla Walla, Walla Walla	15.07	17.00	112.81
Okanogan Highlands	Lakeside, Chelan	10.85	11.99	110.51
	Republic, Ferry	14.26	17.72	124.26

e Estimated, in part.

Interpretation of Water-Level Fluctuations

Many aquifers east of the Cascades are never full but maintain a position of equilibrium between recharge and discharge. The water table generally is at a considerable depth, at places being several hundred feet below the land surface. Precipitation available for recharge is rarely rejected; recharge occurs during winter and spring 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 upon which are superimposed the annual fluctuations. During a period of several dry years, the converse is true; the water table will show a general decline.

Many of the aquifers west of the Cascades are filled to overflowing every year. The water table, which is near the surface, generally reaches a high stage early in the rainy season; continued rainfall will hold it at that stage. The annual range of fluctuation in these aquifers is much greater than the range caused by cycles of wet and dry years.

Water levels in most wells in western Washington were below normal for the first 2 or 3 months of 1955. From April to September they were above normal; at the end of the year, some new highs were recorded. In eastern Washington, water levels followed a similar trend but did not rise to normal or above until near the end of 1955.

Water levels in selected wells, 1955

County and well no.	Average yearly		Alltime		1955		1955 lowest	
	Highest	Lowest	Highest	Lowest	Highest	Lowest	Above+ below- 1954 lowest	Above+ below- average yearly lowest
Adams								
19/31-19B1	184.18	184.58	183.86	187.00	183.86	184.13	+0.04	+0.10
Benton								
9/27-19G1	14.01	15.43	11.47	17.83	15.07	17.22	+.55	-.34
Chelan								
23/19-4E2	14.33	18.56	12.58	19.63	15.52	19.63	-.60	-.43
Franklin								
9/29-25D1	31.07	35.38	26.67	38.17	26.67	30.49	+1.51	+.41
Grant								
19/26-34D1	92.56	93.06	92.20	95.04	93.53	95.04	-.47	-.68
19/27-16N1	66.41	67.83	63.99	70.65	63.99	65.37	+1.82	+.65
21/28-34A1	79.09	87.60	31.99	96.91	32.24	60.02	+1.85	+8.31
Kitsap								
23/1-2C2	50.49	54.46	43.20	60.32	47.86	52.53	-.12	+.49
Lincoln								
25/37-14M1	15.85	19.05	2.90	22.91	16.37	18.13	-1.35	-.05

Water levels in selected wells, 1955--Continued

County and well no.	Average yearly		Alltime		1955		1955 lowest	
	Highest	Lowest	Highest	Lowest	Highest	Lowest	Above+ below- 1954 lowest	Above+ below- average yearly lowest
Okanogan								
34/26-28A1	31.03	32.93	28.86	34.32	31.77	34.32	-1.92	-0.85
40/27-28G1	14.91	18.01	13.35	18.61	14.80	18.54	-.15	-.17
Pierce								
19/4-7A1	17.00	35.63	10.20	36.90	10.20	34.69	+.92	+.50
20/3-35G1	180.36	181.17	178.57	182.27	179.08	180.87	+.59	+.22
Spokane								
25/42-14L1	89.25	98.03	81.73	101.24	90.71	98.69	-.84	-.39
25/45-16C1	96.62	106.70	84.56	114.53	96.27	111.02	-7.57	-3.00
Whatcom								
40/1-4J1	66.68	69.41	64.92	75.23	67.48	74.54	-2.51	-2.05
Whitman								
14/45-11N1	4.17	7.66	2.39	9.48	2.56	7.00	-.70	+.01

Acknowledgments

Measurements for Tacoma city wells are furnished by the Tacoma Water Department.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land-subdivision. For example, in the well number 25/43-15P1, the part before the hyphen indicates township and range (T. 25 N., R. 43 E.) north and east of the Willamette base line and meridian. Because all townships in the State are north of the Willamette base line, the letter N indicating north is omitted. The letter E is omitted for those ranges east of the Willamette meridian, but W is included when the range lies west of the Willamette meridian. The first digit after the hyphen indicates the section (sec. 15); the letter P gives the 40-acre subdivision of the section. The last digit is the serial number of the well in that particular 40-acre tract. Thus, the first well recorded in the $SE\frac{1}{4}SW\frac{1}{4}$ sec. 15, T. 25 N., R. 43 E., would have the number 25/43-15P1. (See page 71 for a diagram showing the 40-acre subdivision of a section.)

Well Descriptions and Water-Level Measurements

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

Adams County

19/31-19B1. Barbara Dormaier. Drilled unused water-table well in Yakima basalt, diameter 6 inches, depth 218 feet. Land-surface datum is about 1,454 feet above msl. Highest water level 183.86 below lsd, Sept. 15, 1955; lowest 187.00 below lsd, Mar. 22, 1939. Records available: 1939-55. Mar. 22, 184.07; July 11, 184.13; Sept. 15, 183.86; Dec. 2, 183.89.

Benton County

8/29-1D1. Garber Dairy. Kennewick. Dug domestic and stock water-table well in gravel, diameter 4 feet, depth 75 feet, lined with concrete. Land-surface datum is about 402 feet above msl. Highest water level 61.87 below lsd, Aug. 10, 1948; lowest 67.78 below lsd, Mar. 9, 1949, Apr. 6, 1950, Apr. 20, 1952. Records available: 1948-55. Feb. 21, 67.48; Apr. 25, 66.86; June 20, 64.40; Aug. 18, 64.13; Dec. 16, 65.80.

8/30-9E1. E. Dague. Dug and drilled domestic water-table well in sand and gravel, diameter 8 inches, depth 33 feet, cased to 33. Land-surface datum is about 350 feet above msl. Highest water level 18.22 below lsd, Oct. 5, 1950; lowest 26.27 below lsd, June 20, 1955. Records available: 1948-55. Feb. 21, 24.12; Apr. 25, 23.08; June 20, 26.27; Aug. 18, 26.24, pumping.

9/27-19G1. Harold Egbert. Kiona. Dug domestic water-table well in gravel, diameter 4 feet, depth 27 feet, lined with concrete. Land-surface datum is about 502 feet above msl. Highest water level 11.47 below lsd, June 30, 1950; lowest 17.83 below lsd, June 13, 1952. Records available: 1940-55. Feb. 21, 16.71; Apr. 25, 19.27, pumped recently; June 20, 15.07; Aug. 18, 17.22; Dec. 16, 15.26.

Chelan County

23/19-4E2. City of Cashmere. Sunset Ave. and Paton St. Dug public-supply water-table well in sand and gravel, diameter 6 feet, depth 24 feet, lined with concrete. Land-surface datum is about 784 feet above msl. Highest water level 12.58 below lsd, Apr. 7, 1951; lowest 19.63 below lsd, Feb. 1-2, 1955. Records available: 1945-55.

Daily water level from nonrecording gage

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.02	19.63	19.25	18.92	17.06	16.95	17.48	17.55	17.88	17.60	18.31	17.62
2	19.01	19.63	19.27	18.76	17.04	16.99	17.47	17.54	17.97	17.65	18.35	17.60
3	19.01	19.61	19.28	18.60	17.00	17.02	17.45	17.60	17.96	17.63	18.37	17.55
4	19.02	19.57	19.31	18.48	16.94	17.03	17.43	17.60	17.96	17.60	17.89	17.52
5	19.03	19.55	19.31	18.42	16.90	17.04	17.42	17.70	17.94	17.53	17.90	17.48
6	19.04	19.57	19.30	18.28	16.88	17.04	17.48	17.60	17.94	17.48	17.91	17.38
7	19.05	19.52	19.31	18.07	16.85	a19.00	17.48	.....	17.99	17.40	17.93	17.30
8	19.10	19.47	19.29	17.86	16.84	17.51	a18.35	.....	18.00	17.40	17.98	17.00
9	19.15	19.06	19.28	17.72	16.82	17.43	18.00	.....	18.04	17.37	18.01	16.94
10	19.19	18.90	19.26	17.58	16.86	17.39	17.75	17.80	17.96	17.36	17.98	16.90
11	19.20	18.85	19.24	17.44	16.86	17.42	17.39	17.80	17.80	17.33	17.90	16.84
12	19.21	18.86	19.23	17.42	16.80	17.44	17.35	17.78	17.76	17.35	17.88	16.84
13	19.22	18.86	19.22	17.42	16.85	17.45	17.50	17.70	17.80	17.40	17.87	16.82
14	19.25	18.87	19.22	17.41	16.88	a20.19	17.47	17.68	17.89	17.43	17.87	16.84
15	19.25	18.91	19.24	17.40	16.90	17.98	17.53	17.65	17.89	17.50	17.63	16.86
16	19.24	18.93	19.16	17.36	16.92	17.76	17.50	17.65	17.85	17.54	17.38	16.86
17	19.24	18.96	18.91	17.35	16.85	17.75	17.48	17.94	17.80	17.58	17.00	16.52
18	19.23	19.00	18.85	17.34	16.75	17.65	17.47	17.79	17.75	17.65	16.72	16.48
19	.....	19.06	18.90	17.32	16.57	17.60	17.54	17.72	17.73	17.74	.....	16.40
20	.....	19.06	18.97	17.30	16.46	17.55	17.60	17.72	17.73	17.85	.....	16.12
21	.....	19.06	19.00	17.28	16.56	17.56	17.56	17.70	17.79	17.94	.....	15.87
22	.....	19.10	19.05	17.25	16.60	17.58	17.55	17.67	17.75	18.01	.....	15.88
23	.....	19.12	19.00	17.18	16.64	17.60	17.50	17.74	18.55	18.10	.....	15.63
24	.....	19.13	19.00	17.17	16.71	a19.43	17.47	17.76	17.53	18.15	.....	15.86
25	.....	19.16	19.02	17.14	16.76	17.45	17.45	17.84	17.51	18.17	.....	16.09
26	.....	19.18	19.01	17.13	16.85	17.48	a19.02	17.76	17.51	18.20	.....	16.33
27	.....	19.20	19.02	17.15	16.87	17.51	17.07	17.78	17.49	18.25	.....	16.57
28	.....	19.22	19.02	17.16	16.87	17.53	17.70	17.80	17.43	18.28	.....	16.66
29	.....		19.02	17.17	16.87	17.38	17.60	17.80	17.45	18.27	.....	16.65
30	.....		18.98	17.10	16.86	17.44	17.58	17.88	17.51	18.25	.....	16.15
31	.....		18.96		16.86		17.57	17.84		18.25		15.52

a Pumping.

Clark County

2/2-30Q1. Federal Housing Authority. Drilled unused water-table well, diameter 12 inches, reported depth 257 feet. Land-surface datum is about 298 feet above msl. Highest water level 216.35 below lsd, July 13, 1955; lowest 217.31 below lsd, Dec. 13, 1955. Records available: 1955. Feb. 17, 216.79; June 1, 216.82; July 13, 216.35; Dec. 13, 217.31.

2/3-26Q2. H. W. Pepper. Dug domestic and stock water-table well in clay, diameter 4½ feet, depth 22 feet. Land-surface datum is about 420 feet above msl. Highest water level 1.08 below lsd, Feb. 10, 1949; lowest 18.67 below lsd, Nov. 8, 1952. Records available: 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 15, 1948	5.50	Sept. 23, 1948	14.83	July 16, 1950	11.58	Jan. 2, 1953	3.84
30	5.67	26	15.25	Aug. 22	13.33	18	1.59
May 3	5.67	27	12.00	Aug. 8, 1951	12.50	Feb. 3	2.49
4	4.25	28	11.50	Oct. 18	5.42	Mar. 10	5.84
5	3.17	Oct. 3	9.92	20	4.92	May 4	5.59
6	2.58	7	7.75	July 28, 1952	9.84	25	4.50
23	5.92	Nov. 1	5.17	Aug. 20	13.42	June 8	5.17
28	5.92	20	3.17	31	13.34	July 15	10.17
July 3	8.08	Dec. 5	2.33	Sept. 16	13.92	Aug. 8	12.09
4	8.25	Feb. 10, 1949	1.08	Oct. 5	16.59	27	10.17
7	8.17	Apr. 15	6.67	15	17.00	Sept. 7	11.50
Aug. 10	12.08	28	7.00	26	17.92	Oct. 5	13.17
14	12.83	May 1	5.67	27	18.50	23	2.75
16	13.42	3	2.67	29	18.34	Dec. 6	2.09
30	14.17	June 2	7.08	Nov. 8	18.67	21	2.09
Sept. 7	14.33	July 8	11.58	Dec. 2	17.67	Feb. 12, 1954	5.50
14	14.83	31	13.58	11	16.00	May 8	7.00
20	14.83	Aug. 12	14.67	21	8.67	26	7.75

2/3-26Q2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 14, 1954	5.75	Mar. 21, 1955	6.00	June 30, 1955	8.17	Oct. 7, 1955	12.92
17	3.93	28	4.55	July 7	8.75	14	3.84
28	6.34	31	3.75	14	9.55	21	6.00
Oct. 2	13.34	Apr. 7	4.55	21	9.92	28	4.42
19	13.67	14	3.59	28	10.12	31	3.10
22	10.17	21	3.55	31	10.67	Nov. 7	3.50
30	7.84	28	3.84	Aug. 7	11.75	14	4.09
Nov. 12	7.34	30	4.14	18	12.34	18	4.84
16	4.59	May 7	5.84	21	13.00	26	1.65
18	3.09	14	6.09	28	12.92	30	3.09
Dec. 28	3.34	21	6.59	31	13.09	Dec. 6	3.25
Jan. 16, 1955	5.00	28	7.26	Sept. 7	13.42	11	2.50
17	4.17	31	7.34	14	13.75	19	3.92
Feb. 6	4.84	June 7	7.59	21	13.84	21	1.25
8	3.00	14	8.10	27	14.13	25	3.42
Mar. 7	4.09	21	8.42	28	13.17	31	3.74
14	5.75	28	7.84	30	13.17		

Douglas County

23/23-36H1. Palisades Irrigation District. Dug unused water-table well in gravel, diameter 40 to 72 inches, depth 152 feet, lined with concrete. Land-surface datum is about 1,035 feet above msl. Highest water level 138.54 below lsd, June 21, 1953; lowest 142.80 below lsd, Dec. 21, 1955. Records available: 1943, 1953-55. Aug. 21, 142.70; Oct. 26, 142.63; Dec. 21, 142.80.

25/22-21J1. City of Waterville well 2. Drilled unused water-table well in basalt, diameter 10 inches, depth 591 feet, cased to 536, perforations 30-45. Land-surface datum is about 2,620 feet above msl. Highest water level 23.11 below lsd, Apr. 19, 1954; lowest 55.49 below lsd, Aug. 21, 1955. Records available: 1954-55. Feb. 25, 25.38; Apr. 29, 23.74; June 24, 46.83; Aug. 21, 55.49; Sept. 21, 45.32; Oct. 26, 34.92; Dec. 21, 30.06.

Franklin County

9/29-25D1. E. T. Lindar. Rd. 36 and Court St. Dug unused water-table well in terrace gravel of Columbia River, diameter 5 feet, depth 45 feet, lined with concrete. Land-surface datum is about 369 feet above msl. Highest water level 26.67 below lsd, Aug. 18, 1955; lowest 38.17 below lsd, Apr. 7, 1942. Records available: 1940-55. Feb. 21, 30.49; Apr. 25, 30.18; June 20, 28.82; Aug. 18, 26.67; Dec. 17, 28.18.

13/30-26G2. M. M. Poe. Dug stock water-table well in glacial outwash gravel, diameter 6 feet, depth 35 feet, cribbed with wood to 35. Land-surface datum is about 674 feet above msl. Highest water level 22.98 below lsd, Dec. 2, 1955; lowest 30.61 below lsd, Oct. 24, 1952. Records available: 1940-55. Jan. 27, 25.81; Mar. 23, 25.08; May 21, 27.40; July 19, 28.21; Sept. 16, 27.06; Dec. 2, 22.98.

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. Land-surface datum is about 900 feet above msl. Highest water level 41.09 below lsd, Feb. 25, 1953; lowest 52.48 below lsd, Oct. 27, 1948. Records available: 1938-55. Jan. 26, 45.59; Mar. 22, 45.04; July 19, 49.68, pumping; Sept. 15, 51.60, pumped recently; Dec. 2, 49.07.

14/29-1R1. Herman Khuns. Drilled stock water-table well in basalt, diameter 6 inches, depth 265 feet. Land-surface datum is about 910 feet above msl. Highest water level 125.55 below lsd, Dec. 2, 1955; lowest 187.46 below lsd, Nov. 26, 1951, Apr. 30, 1953. Records available: 1950-55.

Nov. 5, 1950	187.20	Aug. 11, 1953	180.54	Aug. 5, 1954	169.37	July 19, 1955	145.42
Nov. 26, 1951	187.46	Dec. 2	177.52	Oct. 1	162.14	Sept. 16	132.44
Apr. 14, 1952	b196.04	Mar. 24, 1954	177.13	Mar. 23, 1955	160.18	Dec. 2	125.55
Apr. 30, 1953	187.46	May 25	171.78	May 21	155.88		

b Pumped recently.

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: 1946-55. Feb. 22, 22.64; Apr. 26, 22.77; June 21, 23.74. Measurement discontinued.

Grant County

17/24-4J1. William Sund. Drilled stock water-table well in basalt, diameter 6 inches, depth 320 feet. Land-surface datum is about 1,267 feet above msl. Highest water level 164.37 below lsd, Nov. 23, 1955; lowest 208.80 below lsd, Oct. 25, 1952. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 5, 1949	205.79	Nov. 29, 1950	a207.62	June 7, 1952	208.33	Mar. 19,1954	a207.13
Nov. 1	205.80	Dec. 17	205.86	Oct. 25	208.80	Apr. 24	a206.67
Dec. 6	a207.52	Jan. 30, 1951	a208.36	Dec. 15	206.86	Aug. 4	199.84
Jan. 10, 1950	205.23	Feb. 28	a207.36	Feb. 23, 1953	a208.26	Nov. 22	186.31
Mar. 15	205.27	Apr. 7	205.67	Apr. 27	206.20	Jan. 24,1955	181.40
Apr. 27	205.29	May 8	206.04	June 24	a207.99	Mar. 21	178.21
June 2	205.72	June 29	206.52	Aug. 7	a207.31	Apr. 19	175.52
July 2	a207.85	Aug. 28	a206.63	Sept. 25	206.35	July 12	172.20
Aug. 8	a207.30	Dec. 19	206.38	Dec. 1	205.99	Sept. 22	167.66
Sept. 18	206.27	Feb. 22, 1952	206.09	Jan. 23, 1954	a207.41	Nov. 23	164.37
Oct. 16	a207.76	Apr. 12	206.06				

a Pumping.

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 147.86 below lsd, Nov. 23, 1955; lowest 154.45 below lsd, Oct. 3, 1949. Records available: 1949-55. Jan. 24, 149.73; Mar. 21, 149.65; May 19, 148.78; July 12, 148.65; Sept. 22, 148.63; Nov. 23, 147.86.

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 71.90 below lsd, Dec. 23, 1955; lowest 108.70 below lsd, Oct. 29, 1947. Records available: 1943-55.

Jan. 26	81.50	Apr. 21	a84.36	July 19	a84.77	Oct. 14	b72.97
Feb. 10	81.18	May 21	a82.85	Aug. 12	75.22	Dec. 2	71.95
Mar. 22	79.93	June 10	a86.97	Sept. 15	73.35	23	71.90

a Pumping.
b Pumped recently.

19/23-34R1. John Kuder. Drilled unused water-table well in basalt, diameter 6 inches, depth 243 feet. Land-surface datum is about 1,302 feet above msl. Highest water level 221.93 below lsd, Dec. 18, 1951; lowest 223.46 below lsd, Aug. 19, 1952. Records available: 1949-55. Jan. 24, 222.72; Mar. 21, 222.57; May 16, 222.57; July 15, 222.26; Sept. 22, 222.42; Nov. 23, 222.32.

19/24-24M1. G. W. Saager. Drilled unused water-table well in basalt, diameter 5 inches, depth 175 feet. Land-surface datum is about 1,216 feet above msl. Highest water level 81.57 below lsd, Sept. 21, 1955; lowest 141.02 below lsd, June 29, 1951. Records available: 1949-55.

Jan. 24	97.05	Mar. 16	97.18	June 10	95.67	Sept. 21	81.57
Feb. 11	97.16	May 16	97.06	July 15	90.87	Nov. 30	81.68

19/26-9C1. Big Bend Land Co. Drilled unused water-table well in basalt, diameter 8 inches, depth 429 feet. Land-surface datum is about 1,241 feet above msl. Highest water level 160.15 below lsd, Nov. 4, 1955; lowest 183.41 below lsd, Sept. 18, 1950. Records available: 1949-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	162.21	161.94	161.82	.....	.....	.....	161.94	160.31	.....
2	.....	.....	.....	162.16	161.94	161.82	.....	.....	.....	161.95	160.38	.....
3	.....	.....	.....	162.19	161.91	161.81	.....	.....	.....	161.94	160.40	.....
4	.....	.....	.....	162.22	161.92	161.81	.....	.....	.....	161.88	160.15	.....
5	.....	.....	.....	162.23	161.93	161.79	.....	.....	.....	161.85	160.27	.....
6	.....	.....	.....	162.19	161.96	161.78	.....	.....	.....	161.84	160.26	.....
7	.....	.....	.....	162.15	161.94	161.83	.....	.....	.....	161.77	160.29	.....
8	.....	.....	.....	162.07	161.90	161.87	.....	.....	162.81	161.76	160.24	.....
9	.....	.....	.....	162.05	161.93	161.82	.....	.....	162.65	161.86	.....	.....
10	.....	.....	.....	162.05	161.85	161.77	.....	162.05	162.59	161.93	.....	.....

19/26-9C1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	.....	.....	.....	161.85	.....	.....	.....	162.40	161.81	.....	.....
12	.....	163.12	.....	.....	161.93	.....	.....	.....	162.37	161.81	.....	.....
13	.....	163.10	.....	.....	161.91	.....	.....	.....	162.21	161.71	.....	.....
14	.....	163.11	.....	.....	161.87	.....	.....	.....	162.20	161.60	.....	.....
15	.....	163.09	.....	.....	161.85	.....	.....	.....	162.11	161.40	.....	.....
16	.....	163.09	162.66	.....	161.85	.....	.....	.....	162.08	161.43	.....	.....
17	.....	163.03	162.65	.....	.....	.....	.....	.....	162.12	161.40	.....	.....
18	.....	163.05	162.59	.....	161.86	.....	.....	.....	162.13	161.32	.....	.....
19	.....	163.18	162.59	161.97	161.80	.....	.....	.....	162.06	161.28	.....	.....
20	163.73	163.16	162.59	161.97	161.77	.....	.....	.....	161.95	161.32	.....	.....
21	.....	163.10	162.50	161.94	161.77	.....	.....	.....	161.96	161.37	.....	.....
22	.....	163.08	162.45	161.91	161.78	.....	.....	.....	162.04	161.36	.....	.....
23	.....	163.03	162.54	161.97	161.78	.....	.....	.....	162.06	161.33	.....	.....
24	.....	162.96	162.62	162.02	161.80	.....	.....	.....	162.02	161.35	.....	.....
25	.....	162.98	162.65	161.99	161.77	.....	.....	.....	162.01	161.25	.....	.....
26	.....	162.99	162.47	161.89	161.75	.....	.....	.....	162.00	161.12	.....	.....
27	.....	162.89	163.23	161.82	161.84	.....	.....	.....	161.95	161.13	.....	.....
28	.....	.....	162.15	162.04	161.87	.....	.....	.....	161.91	161.22	.....	.....
29	.....		162.13	162.00	161.74	.....	.....	.....	161.89	.....	.....	.....
30	.....		162.23	161.91	161.72	.....	.....	.....	161.86	.....	.....	.....
31	.....		162.28		161.78		.....	.....		.....		.....

19/26-34D1. E. B. Cole. Drilled stock water-table well in sand, diameter 6 inches, depth 96 feet, cased to 96. Land-surface datum is about 1,172 feet above msl. Highest water level 92.20 below lsd, Dec. 20, 1939; lowest 95.04 below lsd, July 15, 1955. Records available: 1939-55. Jan. 25, 93.71; Mar. 16, 93.56; May 17, 93.69; July 15, 95.04; Sept. 17, 93.66; Nov. 30, 93.53.

19/27-16N1. John H. Dills, Jr. Dug irrigation water-table well in glacial outwash gravel, diameter 6 feet, depth 77 feet, lined with concrete. Land-surface datum is about 1,094 feet above msl. Highest water level 63.99 below lsd, Dec. 24, 1955; lowest 70.65 below lsd, June 23, 1953. Records available: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	65.35	Apr. 19	a67.37	July 15	a67.70	Oct. 13	65.37
Feb. 11	65.24	May 18	65.07	Aug. 11	a67.79	Nov. 30	64.40
Mar. 16	65.13	June 10	a67.30	Sept. 17	a67.39	Dec. 24	63.99

a Pumping.

19/28-15L1. Mattson & Reisner. Dug irrigation and domestic water-table well in gravel, size 4 by 4 feet, depth 63 feet, cribbed with wood. 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: 1939-55. Jan. 25, 58.77; Feb. 10, 59.52; Mar. 18, 60.87; Apr. 20, 58.18, pumping; May 16, 57.67, pumping; June 10, 57.76; July 11, 58.02.

19/28-25L1. Bill Hattori. Drilled unused water-table well in basalt, diameter 12 inches, depth 500 feet. Land-surface datum is about 1,192 feet above msl. Highest water level 58.08 below lsd, Oct. 13, 1955; lowest 180.30 below lsd, Sept. 19, 1950. Records available: 1949-55.

Jan. 25	69.16	Apr. 20	67.15	July 11	64.48	Oct. 13	58.08
Feb. 13	69.02	May 19	66.65	Aug. 12	61.45	Nov. 23	58.13
Mar. 17	69.06	June 10	65.60	Sept. 23	58.67	Dec. 24	58.85

19/29-34D1. Fred Radach. Drilled unused water-table well in basalt, diameter 4 inches, depth 250 feet. Land-surface datum is about 1,254 feet above msl. Highest water level 16.03 below lsd, Aug. 27, 1953; lowest 204.40 below lsd, May 7, 1951. Records available: 1949-55.

Jan. 25	25.85	Apr. 21	28.69	July 11	21.96	Dec. 1	22.75
Feb. 13	26.43	May 22	27.63	Sept. 23	17.66	24	24.04
Mar. 17	27.71	June 10	26.06	Oct. 13	18.69		

20/23-28J1. George Weber. Drilled domestic and stock water-table well in basalt, diameter 6 inches, depth 446 feet. Land-surface datum is about 1,380 feet above msl. Highest water level 193.75 below lsd, Dec. 1, 1955; lowest 270.78 below lsd, Nov. 22, 1954. Records available: 1949-55. Jan. 20, 237.50; Mar. 18, 241.67; May 18, 315.87, pumped recently; July 14, 232.07; Sept. 21, 206.02; Dec. 1, 193.75.

20/25-7L1. William Ragless. Drilled unused water-table well in basalt, diameter 14 inches, depth 432 feet, cased to 40. Land-surface datum is about 1,246 feet above msl. Highest water level 40.14 below lsd, Dec. 23, 1955; lowest 192.25 below lsd, July 2, 1950. Records available: 1949-55.

Jan. 20	65.57	Apr. 19	65.86	July 14	58.32	Oct. 12	42.86
Feb. 11	65.76	May 18	64.87	Aug. 11	53.82	Dec. 1	40.39
Mar. 18	66.28	June 9	62.86	Sept. 14	47.42	23	40.14

20/25-15Q1. W. E. Hardy. Drilled unused water-table well in sand, diameter 5 inches, depth 175 feet. Land-surface datum is about 1,219 feet above msl. Highest water level 76.27 below lsd, Dec. 23, 1955; lowest 151.54 below lsd, Sept. 1, 1951. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	96.36	Apr. 19	94.08	July 14	90.63	Oct. 12	80.72
Feb. 11	95.79	May 18	93.83	Aug. 10	87.86	Dec. 1	77.11
Mar. 16	95.05	June 9	92.92	Sept. 14	83.47	23	76.27

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 110.77 below lsd, Sept. 14, 1955; lowest 163.09 below lsd, Oct. 18, 1950, Feb. 19, 1952. Records available: 1939-55.

Jan. 19	116.91	Apr. 19	116.64	July 14	113.75	Oct. 12	110.81
Feb. 12	116.25	May 18	116.05	Aug. 11	112.40	Dec. 1	111.11
Mar. 16	116.63	June 9	115.63	Sept. 14	110.77	23	111.33

21/28-34A1. Ted Grant. Drilled unused water-table well in basalt, diameter 12 inches, depth 118 feet. Land-surface datum is 1,256.69 feet above msl. Highest water level 31.99 below lsd, Aug. 24, 1954; lowest 96.91 below lsd, Sept. 11, 1946. Records available: 1939-55.

Jan. 18	51.28	Apr. 19	60.02	July 13	33.69	Oct. 11	34.93
Feb. 12	54.84	May 17	46.96	Aug. 10	32.24	Nov. 28	42.48
Mar. 15	55.13	June 10	38.01	Sept. 13	32.64	Dec. 22	46.49

22/27-30P1. L. G. and E. B. Fretwell. Drilled irrigation water-table well in basalt, diameter 10 inches, depth 304 feet. Land-surface datum is about 1,154 feet above msl. Highest water level 35.25 below lsd, Oct. 20, 1954; lowest 52.41 below lsd, Oct. 29, 1947. Records available: 1939-55.

Jan. 18	39.23	Apr. 19	44.61	July 13	a86.79	Oct. 11	a84.14
Feb. 12	40.18	May 17	a102.85	Aug. 10	a87.78	Nov. 29	36.66
Mar. 15	41.08	June 9	a93.52	Sept. 14	a72.89	Dec. 22	37.33
24	41.28						

a Pumping.

22/29-1Q1. Town of Wilson Creek. Dug and drilled public-supply water-table well, diameter 4 feet, depth 260 feet. Land-surface datum is about 1,282 feet above msl. Highest water level 37.86 below lsd, Mar. 7, 1954; lowest 57.71 below lsd, Dec. 20-22, 1955. Records available: 1952-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.92	57.29	55.18	.....	47.39	47.40	49.07	51.31	54.07	55.99	57.06	57.45
2	56.95	57.32	55.20	47.26	47.33	47.40	49.14	51.43	54.13	56.04	57.06	57.47
3	56.97	57.33	55.25	47.31	47.29	47.41	49.22	51.45	54.22	56.09	57.08	57.49
4	56.97	57.35	55.30	47.33	47.26	47.41	49.31	51.52	54.28	56.13	57.12	57.50
5	56.98	57.37	55.33	47.33	47.23	47.41	49.37	51.60	54.38	56.18	57.15	57.49
6	56.98	57.38	55.38	47.33	47.17	47.42	49.45	51.69	54.45	56.23	57.17	57.50
7	56.97	57.40	55.40	47.33	47.16	47.45	49.52	51.77	54.53	56.27	57.18	57.52
8	56.96	57.44	55.45	47.34	47.11	47.48	49.57	51.87	54.62	56.31	57.21	57.52
9	56.95	57.48	55.49	47.39	47.10	47.50	49.63	51.97	54.69	56.34	57.22	57.55
10	56.95	57.47	55.55	47.44	47.09	47.55	49.64	52.07	54.78	.....	57.24	57.56
11	56.96	57.39	55.62	47.47	47.09	47.62	49.72	52.16	54.85	.....	57.27	57.56
12	56.95	57.28	55.64	47.50	47.08	47.68	49.78	52.26	54.93	56.52	57.30	57.58
13	56.95	57.15	55.43	47.53	47.07	47.76	.....	52.37	.....	56.55	57.32	57.62
14	56.96	56.99	.....	47.74	47.05	47.85	50.04	52.45	.....	56.50	57.34	57.63
15	56.95	56.88	.....	47.53	47.04	47.91	50.11	52.56	55.10	56.63	57.37	57.64
16	56.97	56.54	52.20	47.54	47.04	47.97	50.17	52.67	55.18	56.67	57.38	57.65
17	56.98	56.25	50.70	47.54	.....	48.03	50.25	52.77	55.24	56.70	57.38	57.67
18	.....	56.02	49.55	47.55	47.29	48.10	50.32	52.87	55.32	56.73	57.40	57.68
19	57.01	55.88	48.60	47.56	47.28	48.15	50.41	52.96	55.36	56.77	57.43	57.70
20	57.03	55.73	.....	47.56	47.27	48.22	50.49	53.06	55.42	56.80	57.45	57.71
21	57.05	55.62	.....	47.57	47.25	48.24	50.48	53.17	55.49	56.82	57.46	57.71
22	57.07	55.52	.....	47.59	47.24	48.37	50.67	53.26	55.54	56.85	57.47	57.71
23	57.07	55.42	.....	47.60	47.24	48.43	50.75	53.34	55.58	56.88	57.47	57.67
24	57.09	55.33	.....	47.61	47.25	48.49	50.84	53.43	55.63	56.87	57.48	57.68
25	57.12	55.27	.....	47.59	47.25	48.57	50.93	53.53	55.67	56.89	57.48	57.66
26	57.14	55.23	.....	47.61	47.24	48.63	51.03	53.60	55.72	56.93	57.51	57.57
27	57.17	55.20	.....	47.59	47.29	48.72	51.08	53.68	55.78	56.95	57.52	57.35
28	57.18	55.18	.....	47.52	47.30	48.82	51.12	53.76	55.85	56.97	.....	57.01
29	.....		.....	47.48	47.32	48.85	51.13	53.83	55.89	56.98	57.47	56.55
30	57.23		.....	47.43	47.34	48.97	51.18	53.90	55.94	57.00	57.45	56.01
31	57.25		.....		47.38		51.23	53.98		57.02		55.36

22/30-18M1. Chris Larsen. Dug unused water-table well in sand and gravel, diameter 24 inches, depth 20 feet, lined with concrete. 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: 1939-55. Jan. 18, 17.23; Mar. 15, 17.24; May 17, 17.26; July 13, 17.27; Sept. 13, 17.27; Nov. 28, 17.28.

Grays Harbor County

16/11W-18N4. City of Westport. Drilled observation water-table well in coarse sand and pea gravel, diameter 4 inches, depth 48 feet, cased to 48. Land-surface datum is 13 feet above msl. Highest water level 3.61 below lsd, Feb. 15, 1952; lowest 9.91 below lsd, Oct. 18, 1954. Records available: 1949-55. Jan. 12, 4.71; Oct. 19, 8.41; Dec. 13, 4.31.

King County

21/5-6P1. U. S. Geol. Survey. Driven observation well in sand, diameter 1½ inches, depth 16 feet, cased to 14, screen 14-16. Land-surface datum is about 50 feet above msl. Highest water level 2.66 below lsd, Jan. 29, 1954; lowest 8.83 below lsd, Nov. 7, 1952. Records available: 1952-55. Jan. 24, 4.12; Mar. 8, 4.14; Mar. 21, 4.97; Apr. 26, 4.15; May 24, 4.84; June 22, 5.64; Aug. 19, 7.27.

24/5-4D1. City of Bellevue. Water District 68. Drilled unused artesian well in sand and gravel, diameter 12 to 8 inches, depth 610 feet, cased to 600, perforations 205-230, 545-600. Land-surface datum is about 58 feet above msl. Highest water level 5.24 below lsd, Mar. 19, 1946; lowest 19.60 below lsd, Aug. 27, 1951. Records available: 1944, 1946, 1951-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	8.14	Mar. 21	7.90	May 25	7.82	July 20	8.02
Mar. 8	7.95	Apr. 26	7.85	June 22	7.94	Aug. 19	8.17

26/4-10D1. U. S. Geol. Survey. Driven observation water-table well in sand, diameter 1½ inches, depth 13 feet, cased to 11, screen 11-13. Land-surface datum is about 100 feet above msl. Highest water level 1.80 below lsd, Feb. 23, 1954; lowest 11.39 below lsd, Nov. 7, 1952. Records available: 1952-55. Jan. 24, 7.97; Mar. 8, 6.44; Mar. 21, 6.71; Apr. 26, 7.38; May 25, 8.01; June 22, 8.82; Aug. 19, 9.98.

Kitsap County

23/1-2C2. W. A. Hiersch. Dug domestic water-table well in fluvioglacial sand, diameter 36 inches, depth 61 feet, cased to 60. Land-surface datum is about 280 feet above msl. Highest water level 43.20 below lsd, June 10, 1951; lowest 60.32 below lsd, Mar. 26, 1945. Records available: 1932-55.

Jan. 3	50.97	May 5	47.86	July 27	50.22	Oct. 21	51.56
31	50.96	26	49.64	Aug. 29	50.56	Nov. 29	52.53
Feb. 28	50.89	June 27	49.69	Sept. 30	51.26	Dec. 27	52.13
Mar. 31	50.28						

Kittitas County

20/15-25Q1. Mr. Ackerlund. Dug domestic water-table well in alluvium of flood plain along Yakima River, diameter 5 feet, depth 10 feet, cribbed with wood. Land-surface datum is about 1,905 feet above msl. Highest water level 3.18 below lsd, Mar. 12, 1949; lowest 9.20 below lsd, Dec. 15, 1954. Records available: 1946-55. Feb. 21, 8.11; Apr. 25, 7.55; June 25, 6.70; Sept. 8, 7.50; Dec. 3, 7.99.

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 32.22 below lsd, Oct. 28, 1955; lowest 44.50 below lsd, Oct. 22, 1943. Records available: 1942-55.

Jan. 28	39.11	June 28	37.32	Aug. 30	39.34	Oct. 28	32.22
May 4	37.37	July 26	37.48	Sept. 28	38.97	Dec. 28	34.87
27	37.09						

13/1W-9E1. S. A. Connolly. Dug domestic water-table well in sand and gravel, diameter 27 inches, depth 29 feet, lined with concrete to 29. Land-surface datum is about 575 feet above msl. Highest water level 12.00 below lsd, Feb. 17, 1954; lowest 24.89 below lsd, Dec. 5, 1952. Records available: 1952-55.

Jan. 17	13.18	Apr. 27	12.34	July 29	16.70	Oct. 21	18.34
Feb. 17	12.96	May 26	13.31	Sept. 7	18.72	Nov. 28	13.42
Mar. 25	12.77	July 5	15.52	23	19.66		

13/1W-28P1. R. L. Wade. Drilled domestic and irrigation artesian well in sand, diameter 6 inches, depth 135 feet, cased to 135. Land-surface datum is about 375 feet above msl. Highest water level 44.4 above lsd, Nov. 28, 1955; lowest 32.25 above lsd, Aug. 27, 1953. Records available: 1953-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	+38.1	Apr. 12	+37.8	July 5	+37.9	Sept. 21	+36.6
Feb. 17	+38.1	15	+37.6	29	+38.3	Oct. 21	+37.8
Mar. 16	+38.6	27	+38.6	Sept. 7	+34.8	Nov. 28	+44.4
Apr. 10	+38.6	May 26	+38.4				

13/2W-36P1. John A. Peterson. Drilled irrigation water-table well in sand and gravel, diameter 6 inches, depth 136 feet, perforations 60-80, 95-107, 115-123. Land-surface datum is about 470 feet above msl. Highest water level 22.93 below lsd, Feb. 18, Apr. 22, 1954; lowest 30.42 below lsd, Aug. 26, 1953. Records available: 1953-55.

Jan. 19	23.34	Apr. 27	22.45	July 29	26.33	Oct. 21	27.03
Feb. 18	23.39	May 26	23.87	Sept. 7	a48.52	Nov. 28	23.39
Mar. 24	22.78	July 5	25.74	23	28.23		

a Pumping.

14/2W-17K2. Oscar Keto. Drilled unused water-table well in sand, diameter 6 inches, depth 80 feet. Land-surface datum is about 175 feet above msl. Highest water level 6.34 below lsd, Feb. 19, 1954; lowest 13.68 below lsd, Sept. 7, 1955. Records available: 1953-55.

Daily mean water level from recorder graph

Jan. 1	8.01	Jan. 10	8.16	Jan. 19	8.01	Apr. 7	7.80
2	7.96	11	8.23	20	8.09	27	7.60
3	8.01	12	8.29	21	8.14	May 26	9.58
4	8.05	13	8.29	22	8.16	July 5	11.32
5	8.10	14	8.27	23	8.17	25	11.82
6	8.15	15	8.21	24	8.18	Aug. 18	13.01
7	8.18	16	8.15	25	8.23	Sept. 7	13.68
8	8.20	17	8.01	Feb. 25	8.39	21	13.31
9	8.17	18	7.96	Mar. 24	7.77	Oct. 18	11.71

Lincoln County

21/38-24G2. Clifford Daweritz. Sprague. Driven unused water-table well in gravel, diameter 1½ inches, depth 22 feet, cased to 22. Land-surface datum is about 1,890 feet above msl. Highest water level 5.59 below lsd, Apr. 7, 1950; lowest 19.07 below lsd, Nov. 2, 1947. Records available: 1946-53. Measurement discontinued.

25/37-14M1. Charles Straub, Sr. Dug unused water-table well in basalt, diameter 4 feet, depth 27 feet, cribbed with brick to 27. Land-surface datum is about 2,400 feet above msl. Highest water level 2.90 below lsd, Apr. 16, 1952; lowest 22.91 below lsd, Nov. 1, 1947. Records available: 1941-55. Feb. 25, 16.66; Apr. 29. 16.37; June 24, 16.87; Aug. 21, 16.49; Oct. 26, 18.13.

Okanogan County

34/26-26Q1. City of Omak well 1. First Ave. North and East First St. Dug public-supply water-table well in stream gravel of Okanogan River, diameter 12 feet, depth 30 feet, lined with concrete. Land-surface datum is about 850 feet above msl. Highest water level 0.66 below lsd, June 18, 1955; lowest 20.59 below lsd, Oct. 28, 1948. Records available: 1939-55.

Jan. 2	13.16	Apr. 2	13.82	June 25	3.65	Sept. 17	13.76
9	13.15	9	13.88	July 2	a15.67	24	13.66
16	13.05	16	13.65	9	a15.59	Oct. 1	13.65
23	13.15	23	13.68	16	a15.66	8	13.82
30	13.33	30	13.76	23	6.02	15	13.85
Feb. 6	13.65	May 7	7.92	31	a15.66	22	13.83
13	13.75	14	7.44	Aug. 6	a15.66	29	12.81
20	13.75	21	5.42	13	8.03	Nov. 5	11.99
Mar. 6	13.78	28	a15.66	20	a15.66	12	11.73
12	13.82	June 4	a14.99	27	a15.66	19	11.95
19	13.86	11	2.75	Sept. 3	a21.36	26	11.97
26	13.90	18	.66	10	a21.36		

a Pumping.

34/26-28A1. Charles Byrd. Dug irrigation water-table well in terrace gravel deposit, diameter 36 inches, depth 43 feet, lined with concrete. Land-surface datum is about 1,300 feet above msl. Highest water level 28.86 below lsd, June 26, 1950; lowest 34.32 below lsd, Aug. 21, 1955. Records available: 1939-55. Feb. 25, 33.11; Apr. 29, 32.46; June 24, 34.00; Aug. 21, 34.32; Oct. 26, 31.77; Dec. 21, 32.13.

34/26-35R1. City of Omak well 4. South end East Fourth St. Dug public-supply water-table well in coarse alluvial deposit of Okanogan River, diameter 14 feet, depth 37 feet, lined with concrete. Land-surface datum is about 850 feet above msl. Highest water level 17.95 below lsd, June 16, 1948; lowest 28.28 below lsd, Sept. 27, 1947. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	26.56	Apr. 9	27.92	July 9	a25.89	Oct. 8	a28.22
9	26.54	16	27.96	16	a26.34	15	a28.17
16	26.58	23	28.12	23	a27.11	22	a28.15
23	26.61	30	28.19	31	a27.86	29	a27.68
30	26.57	May 7	28.32	Aug. 6	a28.19	Nov. 5	a27.42
Feb. 6	26.60	14	a28.29	13	a28.30	12	a26.53
13	26.65	21	a28.24	20	a28.52	19	a26.08
20	26.65	28	a28.26	27	a28.57	26	a25.94
Mar. 6	26.69	June 4	a27.88	Sept. 3	a28.73	Dec. 3	a19.54
12	a27.58	11	a27.47	10	a28.70	10	a19.72
19	a27.68	18	a25.48	17	a28.15	17	a19.88
26	27.74	25	a25.21	24	a28.57	24	a19.90
Apr. 2	27.87	July 2	a23.97	Oct. 1	a28.23	31	a19.59

a Pumping.

36/26-13K1. Victor Lesamiz. Dug unused water-table well in fluvioglacial deposit, diameter 6 inches, depth 49 feet, cased to 49. Land-surface datum is about 1,050 feet above msl. Highest water level 0.15 above lsd, Mar. 11, 1949; lowest 35.30 below lsd, Aug. 14, 1942. Records available: 1942-55. Apr. 29, 18.32; June 24, 18.56; Aug. 21, 18.84; Oct. 26, 19.12; Dec. 20, 18.95.

40/27-21K1. City of Oroville. Dug stock water-table well in sand and gravel, diameter 4 feet, depth 21 feet, lined with concrete to 21. Land-surface datum is about 930 feet above msl. Highest water level 15.40 below lsd, June 18, 1951; lowest 20.90 below lsd, May 8, 1955. Records available: 1947-55.

Jan. 2	19.29	Apr. 3	20.66	July 3	18.50	Oct. 9	17.27
9	19.42	10	20.71	10	18.35	16	17.51
16	19.57	17	20.73	17	18.27	23	17.85
23	19.69	24	20.78	24	18.15	30	18.03
30	19.79	May 1	20.51	31	18.06	Nov. 6	18.25
Feb. 6	19.90	8	20.90	Aug. 7	17.87	13	18.29
13	20.02	15	20.78	14	17.92	20	18.61
20	20.15	22	20.53	28	17.49	27	18.78
27	20.25	29	20.38	Sept. 4	17.17	Dec. 4	19.92
Mar. 6	19.61	June 5	20.13	11	16.81	11	19.04
13	20.43	12	19.79	18	16.57	18	19.23
20	20.54	19	18.98	25	16.68	27	19.31
27	20.61	26	18.41	Oct. 2	17.00		

40/27-27N1. Williams-Zosel Lumber Co. Dug industrial water-table well in alluvial deposits of Okanogan River, diameter 36 inches, depth 12 feet, lined with concrete to 12. Land-surface datum is about 920 feet above msl. Highest water level 3.65 below lsd, June 19, 1950; lowest 9.58 below lsd, Mar. 2, 1948. Records available: 1948-55.

Jan. 2	7.45	Apr. 3	7.81	July 3	5.90	Oct. 9	7.59
9	7.45	10	7.88	10	6.15	16	7.61
16	7.65	17	7.83	17	6.42	23	7.58
23	7.81	24	7.85	24	6.62	30	7.40
30	7.90	May 1	7.82	31	6.69	Nov. 6	7.40
Feb. 6	7.88	8	7.89	Aug. 7	6.90	13	7.32
13	7.97	15	7.72	14	7.02	20	7.47
20	8.04	22	7.65	28	7.38	27	7.49
27	8.07	29	7.32	Sept. 4	8.43	Dec. 4	7.57
Mar. 6	7.86	June 5	7.07	11	8.52	11	7.61
13	7.82	12	6.01	18	8.42	18	7.67
20	7.77	19	5.08	25	8.35	27	7.60
27	7.80	26	5.40	Oct. 2	7.59		

40/27-28G1. City of Oroville well 1. Dug public-supply water-table well in alluvial deposit of Okanogan River, diameter 4 feet, depth 26 feet, lined with concrete to 26. Land-surface datum is about 930 feet above msl. Highest water level 13.35 below lsd, June 19, 1950; lowest 18.61 below lsd, Mar. 15, 1948. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	17.60	Apr. 3	18.52	July 3	14.80	Oct. 9	17.55
9	17.71	10	18.50	10	15.25	16	17.60
16	17.74	17	18.35	17	15.59	23	17.66
23	17.92	24	18.40	24	15.96	30	17.33
30	18.00	May 1	18.46	31	16.00	Nov. 6	17.10
Feb. 6	18.12	8	18.48	Aug. 7	16.48	13	17.05
13	18.20	15	18.25	14	16.89	20	17.19
20	18.30	22	18.05	28	17.43	27	17.31
27	18.36	29	17.34	Sept. 4	17.67	Dec. 4	17.53
Mar. 6	18.44	June 5	16.98	11	17.80	11	17.62
13	18.47	12	16.15	18	17.57	18	17.68
20	18.51	19	15.40	25	17.51	27	17.70
27	18.54	26	15.10	Oct. 2	17.59		

Pierce County

17/2-16Q4. James Gonia. Near McKenna. Drilled domestic artesian well in sand, diameter 6 inches, depth 115 feet. Land-surface datum is about 315 feet above msl. Highest water level 4.08 below lsd, Mar. 29, 1951; lowest 11.34 below lsd, Feb. 28, 1952. Records available: 1943-55. Jan. 28, 5.30; Mar. 29, 4.48; May 4, 4.54; May 27, 4.71; June 28, 5.56; Sept. 28, 7.42.

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 31.06 below lsd, Oct. 24, 1955. Records available: 1950-55. Jan. 28, 26.03; Mar. 29, 25.25; May 27, 26.23; June 28, 28.48; Sept. 28, 31.05; Oct. 24, 31.06; Nov. 28, 24.40.

18/2-34N1. Frank Betchard. Roy. Dug domestic water-table well in sand and gravel, diameter 36 inches, depth 15 feet, lined with concrete. Land-surface datum is about 310 feet above msl. Highest water level 3.38 below lsd, Dec. 6, 1950; lowest 12.47 below lsd, Nov. 6, 1952. Records available: 1945-55.

Jan. 28	6.85	May 27	5.53	Aug. 30	8.95	Oct. 24	10.20
Mar. 29	5.37	June 28	7.11	Sept. 28	10.04	Nov. 28	5.45
May 4	5.52	July 26	7.62				

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. 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: 1940-55.

Apr. 5	149.88	June 1	149.45	Aug. 31	150.34	Oct. 21	151.40
May 2	147.24	29	149.44	Sept. 30	150.82	Dec. 30	150.50

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 10.20 below lsd, Dec. 26, 1955; lowest 36.90 below lsd, Nov. 4, 1943. Records available: 1940-55.

Jan. 3	23.75	Mar. 28	18.63	June 20	25.84	Oct. 3	34.28
10	22.36	Apr. 4	18.34	29	27.20	10	34.38
17	21.09	5	18.07	July 4	27.89	17	34.53
24	21.46	12	17.94	11	28.85	24	34.69
28	21.74	18	16.45	18	29.85	31	34.40
31	20.85	25	16.63	25	30.74	Nov. 7	33.23
Feb. 8	20.90	May 2	17.72	Aug. 24	33.00	14	30.39
14	17.94	9	19.05	31	33.33	21	28.89
21	18.63	16	20.23	Sept. 5	33.52	28	21.23
28	19.11	23	21.56	12	33.79	Dec. 5	16.26
Mar. 8	20.02	30	22.75	19	34.00	12	13.17
15	19.56	June 6	23.96	26	34.16	18	12.02
21	18.91	12	24.79	30	34.24	26	10.20

20/2-13H1. City of Tacoma well 4-A. South 38th St. and South Tacoma Way. Drilled public-supply water-table well in sand and gravel, diameter 38 to 26 inches, depth 204 feet. Land-surface datum is 244.80 feet above msl. Highest water level 10.58 below lsd, Feb. 8, 1938; lowest 20.69 below lsd, July 8, 1955. Records available: 1930, 1932, 1934-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	18.67	May 9	18.02	Aug. 5	19.54	Oct. 4	18.89
Feb. 27	18.27	June 1	19.02	Sept. 5	18.99	Dec. 7	19.41
Mar. 21	19.22	July 8	20.69				

20/2-13J1. City of Tacoma well 6-A. South 45th St. (extended) and South Tacoma Way. Drilled public-supply water-table well in gravel, diameter 38 to 26 inches, depth 179 feet. Land-surface datum is 266.39 feet above msl. Highest water level 31.28 below lsd, Apr. 10, 1950; lowest 41.69 below lsd, Jan. 4, 1954. Records available: 1939-55.

Jan. 5	39.34	June 1	40.02	Aug. 8	39.89	Oct. 4	39.20
Feb. 27	39.17	July 8	41.50	Sept. 3	39.22	Dec. 7	40.47
May 9	38.30						

20/3-18C1. City of Tacoma T-10. Drilled observation water-table well in sand and gravel, diameter 12 inches, depth 185 feet, cased to 185, perforations 152-175. Land-surface datum is 321.64 feet above msl. Highest water level 89.16 below lsd, June 9, 1952; lowest 97.23 below lsd, Nov. 19, 1955. Records available: 1952-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	94.28	.....	.....	.....	.....	.....	95.56	.....	95.30	c98.15	96.81
2	d95.18	94.35	.....	.....	.....	.....	.....	95.50	.....	95.21	d96.92	96.84
3	.....	94.22	.....	.....	.....	94.74	.....	95.42	95.07	95.25	c97.75	96.82
4	94.52	94.03	.....	.....	.....	94.72	.....	95.35	95.01	.....	c98.65	96.63
5	94.67	94.11	.....	.....	.....	94.66	.....	95.37	95.04	.....	c99.22	96.34
6	94.53	94.03	.....	c95.37	.....	94.61	95.98	95.33	95.08	95.28	c99.50	96.44
7	94.35	c94.87	.....	d95.42	.....	c94.18	95.92	95.34	95.06	95.18	d98.74	.....
8	94.20	c95.78	.....	d95.06	.....	c96.49	95.85	95.35	95.05	95.17	d97.83	.....
9	94.24	c96.58	.....	94.96	.....	c97.20	95.86	95.27	95.09	c95.76	d97.38	.....
10	94.27	.....	.....	94.96	94.17	c97.63	95.87	95.29	95.13	c96.91	c98.14	96.25
11	94.35	c97.95	.....	94.91	94.17	c98.04	95.03	95.31	95.08	d96.63	c98.82	c96.68
12	94.13	d95.74	.....	94.47	c95.48	c98.37	95.82	95.25	94.98	d96.06	c99.22	c98.10
13	94.18	d95.37	95.72	94.82	.....	c98.59	95.77	95.22	c95.18	d95.72	d98.07	c98.58
14	94.12	d95.17	95.78	94.78	d95.04	c98.89	95.73	95.24	c95.63	95.68	d97.83	c98.54
15	.....	d95.01	95.98	94.67	d94.82	c99.12	95.67	95.23	c95.69	95.61	d97.56	c98.92
16	.....	94.98	95.98	94.63	d94.69	d98.11	95.73	95.27	c95.92	.....	97.28	c99.32
17	.....	95.02	95.90	95.63	94.65	d97.37	.....	95.22	c96.15	.....	97.17	d98.61
18	.....	95.02	95.95	c94.82	94.57	d97.04	.....	95.22	c96.18	.....	97.13	d97.46
19	.....	94.83	95.90	c95.02	c95.08	d96.77	95.72	95.26	c96.12	.....	97.23	d97.32
20	.....	95.73	95.97	d94.73	c96.10	d96.67	95.68	95.25	d96.12	.....	97.10	d97.27
21	.....	95.12	95.97	94.60	c96.46	96.60	95.66	95.16	d95.85	.....	97.08	.....
22	.....	.....	95.84	94.66	d96.17	.....	95.68	95.20	d95.68	.....	.....	.....
23	.....	94.93	95.72	94.73	d95.36	.....	95.63	95.18	95.67	.....	.....	c99.28
24	.....	94.97	.....	94.54	d95.21	d96.73	95.57	95.16	.....	.....	.....	c99.43
25	d94.60	94.87	.....	.....	d95.02	d96.52	95.53	96.17	.....	.....	.....	d98.95
26	d94.42	94.96	.....	.....	94.99	96.48	95.57	95.22	95.38	.....	c97.93	d97.94
27	d94.28	94.93	.....	.....	95.08	96.41	95.68	95.14	95.48	.....	c98.52	d97.79
28	94.17	95.47	.....	.....	94.92	96.32	95.56	.....	95.47	.....	d98.08	d97.68
29	94.08		.....	.....	94.80	.....	95.47	.....	95.36	.....	d97.30	d97.34
30	94.06		.....	.....	94.80	.....	95.48	.....	95.27	.....	d96.89	.....
31	94.10		.....		.....		95.46	.....		.....		.....

c Nearby well being pumped.

d Nearby well pumped recently.

20/3-18D1. City of Tacoma well 2-A. South 35th and Lawrence Sts. Drilled public-supply well in sand and gravel, diameter 38 to 26 inches, depth 161 feet. Land-surface datum is 244.01 feet above msl. Highest water level 19.62 below lsd, Feb. 8, 1938; lowest 41.15 below lsd, Feb. 5, 1954. Records available: 1930, 1934, 1937-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	26.22	June 1	32.13	Aug. 5	33.43	Oct. 4	31.63
Feb. 27	22.15	July 8	34.03	Sept. 7	33.83	Dec. 7	28.07
May 9	35.09						

20/3-19P1. City of Tacoma well 1-A. South 64th St. and Clement Ave. Drilled public-supply water-table well in sand and gravel, diameter 38 to 26 inches, depth 305 feet. Land-surface datum is 260.99 feet above msl. Highest water level 25.00 below lsd, Aug. 7, 1937; lowest 34.81 below lsd, July 30, 1941. Records available: 1930, 1932, 1934-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	32.97	May 9	34.60	Aug. 4	33.24	Oct. 4	34.65
Feb. 26	32.22	June 1	33.25	Sept. 8	34.70	Dec. 7	32.00
Mar. 24	32.88	July 8	34.21				

20/3-19P4. City of Tacoma well 11. South 62d St. and Clement Ave. Drilled observation water-table well in sand and gravel, diameter 14 to 12 inches, depth 240 feet. Land-surface datum is 263.98 feet above msl. Highest water level 30.65 below lsd, Feb. 8, 1938; lowest 37.47 below lsd, Sept. 8, 1955. Records available: 1908-9, 1925-31, 1937-40, 1945-55.

Jan. 5	35.73	May 9	35.40	Aug. 4	37.08	Oct. 4	37.22
Feb. 26	35.01	June 1	35.94	Sept. 8	37.47	Dec. 7	35.66
Mar. 21	35.67	July 8	36.57				

20/3-30C2. City of Tacoma well 5. South 64th St. and Clement Ave. Drilled observation water-table well in sand and gravel, diameter 12 to 10 inches, depth 244 feet. Land-surface datum is 267.38 feet above msl. Highest water level 33.72 below lsd, Mar. 31, 1938; lowest 41.22 below lsd, Oct. 31, 1949. Records available: 1908-9, 1925-31, 1937-55.

Jan. 5	39.01	Mar. 21	38.90	July 8	39.35	Sept. 8	40.78
Feb. 1	38.27	May 9	38.69	29	40.26	Oct. 4	40.70
26	38.30	June 1	39.30	Aug. 4	40.40	Dec. 7	38.05
28	38.17	July 5	40.16				

20/3-30C4. City of Tacoma well 8-A. South 66th St. and Clement Ave. Drilled public-supply water-table well in gravel, diameter 38 to 26 inches, depth 307 feet. Land-surface datum is 267.80 feet above msl. Highest water level 33.50 below lsd, Mar. 31, 1947; lowest 40.94 below lsd, June 27, 1952. Records available: 1939-55.

Jan. 5	38.71	May 9	38.46	Aug. 4	40.19	Oct. 4	40.49
Feb. 26	38.06	June 1	39.07	Sept. 8	40.59	Dec. 7	38.74
Mar. 21	38.58	July 8	40.13				

20/3-30L5. City of Tacoma well 7-A. South 74th St. and Clement Ave. Drilled public-supply water-table well in gravel, diameter 38 to 26 inches, depth 307 feet. Land-surface datum is 255.68 feet above msl. Highest water level 18.85 below lsd, Mar. 9, 1951; lowest 27.41 below lsd, Nov. 3, 1942. Records available: 1939-55.

Jan. 5	22.50	May 9	22.66	Aug. 4	24.65	Oct. 4	25.06
Feb. 26	22.05	June 1	23.41	Sept. 8	25.07	Dec. 7	21.99
Mar. 21	22.20	July 8	24.65				

20/3-30N1. City of Tacoma well 3-A. South 78th St. (extended) and South Warner St. Drilled public-supply water-table well in gravel, diameter 38 to 26 inches, depth 313 feet. Land-surface datum is 271.63 feet above msl. Highest water level 36.00 below lsd, Apr. 24, 1935; lowest 43.10 below lsd, Nov. 22, 1932. Records available: 1931-55.

Jan. 5	41.39	May 9	40.41	Aug. 4	42.11	Oct. 4	42.47
Feb. 26	40.36	June 1	40.98	Sept. 8	42.73	Dec. 7	39.67
Mar. 21	40.46	July 8	41.74				

20/3-35G1. L. S. Broxson. East 84th St. and Waller Rd. Dug domestic water-table well in sand and gravel below Vashon till, diameter 27 inches, depth 185 feet, lined with concrete. 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: 1940-55.

Jan. 2	180.70	Mar. 29	180.79	July 3	179.60	Sept. 30	180.21
9	180.73	Apr. 3	180.60	10	179.60	Oct. 4	180.25
16	180.75	10	180.58	18	179.74	9	180.26
23	180.80	17	180.38	24	179.80	16	180.30
28	180.85	24	180.27	31	179.80	23	180.34
30	180.80	May 1	180.23	Aug. 7	179.90	30	180.37
Feb. 6	180.83	8	180.11	14	179.94	Nov. 6	180.47
13	180.87	15	180.01	21	179.95	13	180.46
20	180.85	23	179.09	28	180.00	20	180.50
27	180.87	29	179.08	31	180.03	27	180.56
Mar. 6	180.81	June 5	179.75	Sept. 5	180.05	Dec. 4	180.57
13	180.75	12	179.70	11	180.10	11	180.60
20	180.71	19	179.70	18	180.16	18	180.60
27	180.60	26	179.60	25	180.16	27	180.63

20/4-24F3. Standard Brands of California, Inc. Sumner. Drilled industrial artesian well in gravel, diameter 18 inches, depth 572 feet, cased to 562, perforations 462-508. Land-surface datum is about 61 feet above msl. Highest water level 2.41 above lsd, Dec. 27, 1946; lowest 4.08 below lsd, Sept. 28, 1954. Records available: 1937-47, 1953-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	0.71	May 2	a1.78	Aug. 31	a4.18	Nov. 29	a1.43
28	a1.04	June 1	a2.06	Sept. 30	a3.48	Dec. 30	a.97
Apr. 5	a2.17	29	a3.72	Oct. 21	a2.86		

a Pumping.

20/4-36H2. Frank Chervenka. Pioneer Way and Sumner-Orting Rd. Drilled irrigation water-table well, diameter 6 inches, depth 77 feet. Land-surface datum is about 82 feet above msl. Highest water level 3.67 below lsd, Dec. 30, 1955; lowest 8.79 below lsd, Oct. 13, 1939. Records available: 1938-55.

Jan. 3	5.67	May 2	5.61	Aug. 31	7.76	Nov. 29	4.70
28	5.89	June 1	6.27	Sept. 30	8.04	Dec. 30	3.67
Apr. 5	5.58	29	6.63	Oct. 21	7.65		

American Lake. Staff gage installed Oct. 10, 1951, at west end of U. S. Army boathouse on south end of lake. NE¼NE¼ sec. 30, T. 19 N., R. 2 E. Highest water level 236.85 above msl, Mar. 26, 1951; lowest 228.00 above msl, Sept. 27, 1944. Records available: 1938-55.

Jan. 3	231.78	Apr. 18	233.26	Aug. 15	231.40	Nov. 14	230.76
10	231.90	25	233.28	30	231.06	16	230.73
17	232.01	May 4	233.21	Sept. 6	230.91	17	230.80
24	232.01	9	233.16	12	230.78	21	230.93
Feb. 1	232.15	16	233.17	20	230.70	24	231.02
7	232.23	22	233.07	26	230.60	28	231.20
14	232.47	June 1	232.89	Oct. 5	230.49	Dec. 1	231.46
17	232.50	6	232.80	10	230.63	5	231.64
28	232.62	13	232.61	17	230.67	8	231.78
Mar. 7	232.72	20	232.38	24	230.50	12	232.14
14	232.81	28	232.29	31	230.65	15	232.28
21	232.82	July 5	232.18	Nov. 1	230.75	19	232.48
29	232.96	11	232.09	3	230.80	23	232.97
Apr. 5	233.04	18	231.92	7	230.82	26	232.26
11	233.10	25	231.72	10	230.82	30	233.48

Skagit County

34/4-18D1. Michael Fortin. Jetted irrigation water-table well in sand and gravel, diameter 6 inches, depth 33 feet, cased to 33, perforations 25-33. Land-surface datum is 26.92 feet above msl. Highest water level 8.50 below lsd, June 27, 1950; lowest 17.23 below lsd, Nov. 7, 1952. Records available: 1949-55.

Jan. 27	13.04	May 3	14.29	July 28	10.13	Oct. 25	15.36
Mar. 1	13.45	31	12.38	Aug. 22	12.88	Nov. 30	10.25
30	14.57	June 26	9.90	Sept. 29	15.78	Dec. 29	12.12

Snohomish County

27/4-30A2. Don Schaffer. Everett. State Highway 1 and 212th St. South. Drilled unused water-table well in Pleistocene sand (pre-Vashon), diameter 5 inches, depth 180 feet. Land-surface datum is about 410 feet above msl. Highest water level 133.84 below lsd, Aug. 16, 1951; lowest 144.20 below lsd, May 18, 1945. Records available: 1945-55.

Jan. 27	135.19	May 3	135.07	July 28	134.98	Oct. 25	135.06
Mar. 1	135.14	31	134.17	Aug. 22	135.02	Nov. 30	135.15
30	135.22	June 26	134.88	Sept. 29	135.29	Dec. 29	136.60

28/4-13H1. Oscar Eberhard. Beverly Park. Mukilteo Rd. and State Highway 1. Dug domestic water-table well in sand and gravel interbedded in Vashon till, diameter 40 inches, depth 22 feet, lined with concrete. Land-surface datum is about 530 feet above msl. Highest water level 2.94 below lsd, Feb. 17, 1954; lowest 10.61 below lsd, Nov. 7, 1952. Records available: 1945-55.

Jan. 27	5.32	May 3	5.81	July 28	7.17	Oct. 25	7.20
Mar. 1	5.09	31	5.68	Aug. 22	7.95	Nov. 30	5.38
30	5.52	June 26	6.74	Sept. 29	7.56	Dec. 29	3.20

29/5-2F1. L. Falkner. Dug domestic water-table well in Pleistocene gravel (pre-Vashon), diameter 6 feet, depth 115 feet, lined with concrete. Land-surface datum is about 275 feet above msl. Highest water level 109.45 below lsd, Mar. 1, 1955; lowest 112.50 below lsd, Aug. 15, 1944. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	109.86	May 3	109.73	July 28	111.03	Oct. 25	110.78
Mar. 1	109.45	31	109.78	Aug. 22	110.26	Nov. 30	110.35
30	109.72	June 25	109.70	Sept. 29	110.43	Dec. 29	109.87

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. Land-surface datum is about 75 feet above msl. Highest water level 15.18 below lsd, Mar. 27, 1951; lowest 25.98 below lsd, Jan. 8, 1953. Records available: 1944-55.

Jan. 27	16.32	May 3	18.09	July 28	20.45	Oct. 25	23.07
Mar. 1	16.58	31	19.01	Aug. 22	21.37	Nov. 30	20.27
30	17.18	June 25	19.65	Sept. 29	22.23	Dec. 29	16.00

31/5-10J3. J. W. Monigar. Drilled domestic water-table well in Pleistocene sand (pre-Vashon), diameter 6 inches, depth 120 feet. Land-surface datum is about 75 feet above msl. Highest water level 21.85 below lsd, May 6, 1948; lowest 30.17 below lsd, Aug. 28, 1953. Records available: 1945-55.

Jan. 27	25.02	May 3	25.50	July 28	26.34	Oct. 25	27.99
Mar. 1	24.87	31	24.70	Aug. 22	26.78	Nov. 30	28.85
30	22.09	June 25	25.88	Sept. 29	29.03	Dec. 29	25.46

32/4-5Q1. Elmer Norgaard. Drilled unused water-table well in sub-till sand and gravel, diameter 6 inches, depth 149 feet. Land-surface datum is about 235 feet above msl. Highest water level 125.56 below lsd, May 5, 1954; lowest 133.93 below lsd, Nov. 18, 1949. Records available: 1946-55.

Jan. 27	127.56	May 3	127.49	July 28	127.23	Oct. 25	126.71
Mar. 1	126.72	31	127.10	Aug. 22	127.13	Nov. 30	127.74
30	127.10	June 26	126.84	Sept. 29	127.39	Dec. 29	127.85

Spokane County

25/42-13B1. Empire Cold Storage Co. Sinto Ave. and Oak St., Spokane. Dug industrial water-table well in fluvioglacial gravel, diameter 41 inches, depth 200 feet, lined with concrete to 200. Land-surface datum is 1,883.37 feet above msl. Highest water level 179.17 below lsd, June 13, 1950; lowest 193.42 below lsd, Nov. 4, 1946. Records available: 1930-55. Pumping at time of measurement. Apr. 28, 187.44; June 23, 183.66; Aug. 19, 190.17; Oct. 27, 190.21.

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, perforations 82-100. Land-surface datum is about 1,787 feet above msl. Highest water level 81.73 below lsd, June 7, 1948; lowest 101.24 below lsd, Sept. 20, 1942. Records available: 1941-55.

Jan. 5	96.72	Apr. 7	97.53	July 27	94.65	Oct. 25	97.26
15	96.95	16	96.55	29	94.71	29	97.06
24	97.23	29	94.83	Aug. 6	95.93	Nov. 15	96.34
29	97.44	May 6	94.21	12	96.58	23	95.83
Feb. 9	97.69	17	92.62	25	97.80	29	95.27
15	97.53	29	90.86	Sept. 5	98.36	Dec. 5	94.92
23	97.38	June 8	90.71	15	98.69	16	94.12
26	97.37	21	90.75	24	98.62	21	93.90
Mar. 5	97.51	July 11	92.72	29	98.53	31	91.48
29	97.78	23	94.56	Oct. 12	98.11		

25/43-11G3. City of Spokane well 3. Trent Ave. and Waterworks St. Dug public-supply water-table well in fluvioglacial gravel, diameter 24 to 29 feet, depth 41 feet, lined with concrete. 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: 1938-55.

Jan. 3	27.39	Apr. 4	25.52	July 4	25.75	Oct. 3	27.29
10	26.60	11	23.79	11	24.87	10	27.72
17	26.61	18	21.58	18	25.15	17	25.40
24	27.43	25	20.77	25	25.98	24	25.55
31	27.43	May 2	20.39	Aug. 1	26.85	31	25.55
Feb. 7	27.69	9	19.03	8	27.15	Nov. 7	24.81
14	26.18	16	16.78	15	27.93	14	24.07
21	26.13	23	16.11	22	28.18	21	23.70
28	26.40	30	16.10	29	28.78	28	21.19
Mar. 7	26.73	June 6	17.44	Sept. 5	28.95	Dec. 5	23.69
14	26.61	13	17.23	12	28.84	12	23.76
21	26.89	20	18.59	19	28.04	19	23.24
28	26.64	26	20.28	26	28.04	26	16.40

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. Land-surface datum is 1,934.31 feet above msl. Highest water level 39.07 below lsd, Dec. 26, 1933; lowest 60.87 below lsd, July 9, 1931. Records available: 1926-55. Feb. 23, 56.05; Apr. 28, 51.65; June 23, 49.19; Aug. 19, 58.15.

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. Land-surface datum is 1,945.37 feet above msl. Highest water level 51.53 below lsd, Dec. 27, 1933; lowest 76.43 below lsd, Aug. 24, 1953. Records available: 1929-54. No measurement made in 1955.

25/43-14K1. Ohio Match Co. Broadway and Yardley Sts., Spokane. Dug unused water-table well in fluvioglacial gravel, diameter 41 inches, depth 83 feet, lined with concrete. Land-surface datum is 1,927.40 feet above msl. Highest water level 35.17 below lsd, May 25, 1948; lowest 50.67 below lsd, Jan. 29, 1931. Records available: 1920, 1928-55. Feb. 23, 47.37; Apr. 28, 43.30; June 23, 40.80; Aug. 18, 48.34.

25/43-17D1. New Method Laundry. Mission Ave. and Pearl St., Spokane. Dug industrial water-table well in fluvioglacial gravel, diameter 30 inches, depth 63 feet, cribbed with brick. Land-surface datum is 1,909.22 feet above msl. Highest water level 40.42 below lsd, May 25, 1948; lowest 51.22 below lsd, Feb. 7, 1931. Records available: 1928-54. No measurement made in 1955.

25/44-2B1. Trentwood irrigation district. Dug public-supply water-table well in fluvioglacial gravel, diameter 6 feet, depth 127 feet, lined with concrete. Land-surface datum is 2,035.30 feet above msl. Highest water level 86.05 below lsd, June 13, 1950; lowest 109.73 below lsd, Dec. 23, 1930. Records available: 1928-54. No measurement made in 1955.

25/44-19D1. Edgecliff Sanitarium. U. S. Highway 10 and Park Rd. Dug public-supply water-table well in fluvioglacial gravel, diameter 60 to 29 inches, depth 88 feet. Land-surface datum is 1,969.57 feet above msl. Highest water level 67.97 below lsd, June 13, 1950; lowest 82.82 below lsd, Dec. 8, 1931. Records available: 1920, 1928-55. Feb. 23, 79.61; Apr. 28, 76.42; June 22, 71.48; Aug. 19, 79.78; Dec. 19, 76.42, pumping.

25/44-23D1. E. E. Gooding. U. S. Highway 10 and Evergreen Rd. Dug irrigation water-table well in fluvioglacial gravel, diameter 48 to 18 inches, depth 97 feet, lined with concrete. Land-surface datum is 2,016.74 feet above msl. Highest water level 77.85 below lsd, Apr. 8, 1950; lowest 95.40 below lsd, Dec. 8, 1931. Records available: 1931-55. Feb. 23, 89.41; Apr. 28, 86.61; June 22, 82.45, pumping; Aug. 20, 89.15; Oct. 28, 88.90; Dec. 19. 86.48.

25/45-10C1. Mrs. George Clark. Dug unused water-table well in fluvioglacial gravel, diameter 36 inches, depth 67 feet, lined with terra cotta tile. Land-surface datum is 2,019.54 feet above msl. Highest water level 45.12 below lsd, June 29, 1950; lowest 68.73 below lsd, Sept. 20, 1930. Records available: 1928-55. Feb. 23, 62.28. Measurement discontinued.

25/45-16C1. Inland Empire Paper Co. Dug domestic and irrigation water-table well in fluvioglacial gravel, diameter 8 feet, depth 129 feet. Land-surface datum is 2,055.89 feet above msl. Highest water level 84.56 below lsd, June 17, 1953; lowest 114.53 below lsd, Dec. 8, 1931. Records available: 1920, 1929-55. Feb. 23, 104.84; Mar. 29, 105.61; Apr. 28, 102.47; June 22, 96.27, pumped recently; Aug. 20, 111.02.

26/43-7Q1. C. E. Marr. Dug unused water-table well in fluvioglacial gravel, diameter 6 feet, depth 87 feet, cribbed with brick. Land-surface datum is about 1,795 feet above msl. Highest water level 74.35 below lsd, July 28, 1949; lowest 79.63 below lsd, Apr. 7, 1948. Records available: 1942-53. No measurement made in 1955.

26/43-16D1. Permanente Metals Corp. test well. Drilled observation water-table well in fluvioglacial gravel, diameter 8 inches, depth 247 feet. Land-surface datum is about 1,937 feet above msl. Highest water level 155.40 below lsd, May 19, 1948; lowest 163.02 below lsd, Nov. 11, 1953. Records available: 1943-55. Nearby well pumping at time of measurement. June 5, 162.18; June 12, 162.20; June 19, 162.20; June 26, 162.23.

26/43-19A1. Country Homes Estate. Holland and Ivanhoe Rds. Dug public-supply and irrigation water-table well in fluvioglacial gravel, diameter 6½ feet, depth 161 feet, lined with concrete to 161. Land-surface datum is 1,935.91 feet above msl. Highest water level 133.72 below lsd, Mar. 15, 1934; lowest 138.75 below lsd, Dec. 25, 1955. Records available: 1930-55.

26/43-19A1--Continued.

Daily water level from float gage

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	.....	.....	a137.94	136.86	136.82	a139.16	136.53
2	.....	.....	.....	.....	.....	.....	.....	a137.67	a138.44	.....	b139.38	136.53
3	.....	.....	.....	.....	.....	.....	.....	a137.42	a138.61	136.50	a139.14	137.22
4	.....	.....	.....	.....	.....	.....	.....	a137.77	a138.75	136.51	b136.44	137.32
5	.....	.....	.....	.....	.....	.....	.....	a137.79	a138.77	a139.10	a137.91	137.37
6	.....	.....	.....	.....	.....	.....	.....	a137.70	a138.77	136.50	136.44	137.23
7	.....	.....	.....	.....	.....	.....	.....	a138.42	a138.75	137.08	a137.90	137.34
8	.....	.....	.....	.....	.....	.....	.....	a137.55	a139.75	a138.78	137.40	137.27
9	.....	.....	.....	.....	.....	.....	.....	a136.78	137.16	137.27	137.44	a138.92
10	.....	.....	.....	.....	.....	.....	.....	a142.42	a138.77	136.50	137.37	a138.93
11	.....	.....	.....	.....	.....	.....	.....	a138.43	a138.90	137.27	137.00	137.27
12	.....	.....	.....	.....	.....	.....	.....	a138.43	a138.72	137.37	137.44	a138.86
13	.....	.....	.....	.....	.....	.....	.....	a136.46	a138.08	137.34	137.47	137.24
14	.....	.....	.....	.....	.....	.....	.....	a138.37	137.17	137.34	137.42	137.24
15	.....	.....	.....	.....	.....	.....	.....	a138.10	136.97	137.34	a139.20	137.24
16	.....	.....	.....	.....	.....	.....	.....	a137.20	136.47	137.34	a139.14	137.24
17	.....	.....	.....	.....	.....	.....	.....	a137.50	.....	137.39	137.47	137.27
18	.....	.....	.....	.....	.....	.....	.....	a138.30	136.21	136.52	a137.73	137.24
19	.....	.....	.....	.....	.....	.....	a137.51	136.67	a138.45	137.29	135.92	138.47
20	.....	.....	.....	.....	.....	.....	a137.42	a137.50	138.02	137.35	a137.86	137.14
21	.....	.....	.....	.....	.....	.....	a137.44	a138.67	137.00	a138.50	136.86	136.14
22	.....	.....	.....	.....	.....	.....	a137.44	a138.80	138.02	137.97	137.42	137.09
23	.....	a137.36	.....	.....	.....	a137.99	a137.86	a138.32	a138.72	a139.03	137.37	137.09
24	.....	.....	.....	.....	.....	.....	a136.29	a138.39	138.02	137.33	137.42	137.09
25	.....	.....	.....	.....	.....	.....	a137.42	136.73	a138.75	a139.07	137.36	138.75
26	.....	.....	.....	.....	.....	.....	136.10	136.73	a138.77	137.42	137.37	137.24
27	.....	.....	.....	.....	.....	.....	a136.50	136.33	a138.78	137.37	137.37	137.09
28	.....	.....	.....	a137.50	.....	.....	a136.19	a138.40	a138.45	a139.00	136.53	a138.34
29	.....		a137.22	.....	.....	.....	a135.50	a138.42	a138.86	137.47	137.37	137.02
30	.....		.....	.....	.....	.....	a135.51	a138.43	136.54	137.37	a138.48	137.02
31	.....		.....		.....		a136.23	a139.50		137.38		137.34

a Pumping.
b Pumped recently.

26/44-32R1. Hutton Settlement. Dug institutional and irrigation water-table well in fluvio-glacial gravel, diameter 6 to 4 feet, depth 113 feet. Land-surface datum is 2,002.08 feet above msl. Highest water level 87.47 below lsd, June 13, 1950; lowest 104.60 below lsd, Dec. 12, 1947. Records available: 1928-54. No measurement made in 1955.

27/42-8H1. Mr. Hall. Dug irrigation water-table well in sand, size 48 to 27 inches, depth 30 feet, lined with concrete to 18, cased 18-30, perforations 20-30. Land-surface datum is about 2,120 feet above msl. Highest water level 5.03 below lsd, June 3, 1952; lowest 16.86 below lsd, Oct. 5, 1947. Records available: 1947-55. Feb. 23, 14.19; Apr. 28, 13.47; June 23, 14.61; Aug. 19, 23.84, pumping; Oct. 27, 16.17.

Stevens County

28/40-17J1. R. J. Seagle. Ford. Dug irrigation water-table well in sand and gravel, diameter 36 inches, depth 20 feet. Land-surface datum is about 1,775 feet above msl. Highest water level 3.27 below lsd, Apr. 29, 1955; lowest 15.55 below lsd, Oct. 26, 1955. Records available: 1954-55. Oct. 24, 1954, 14.54; Dec. 20, 14.76; Feb. 25, 1955, 15.34; Apr. 29, 3.27; June 24, 9.20; Aug. 21, 17.73, pumping; Oct. 26, 15.55.

32/40-3N1. Carl Walden. Chewelah. Dug stock water-table well in sand, diameter 4 feet, depth 25 feet. Land-surface datum is about 1,700 feet above msl. Highest water level 11.44 below lsd, Apr. 29, 1955; lowest 19.61 below lsd, Oct. 26, 1955. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 24, 1954	18.23	Feb. 25, 1955	16.90	June 24, 1955	15.61	Oct. 26, 1955	19.61
Dec. 20	17.13	Apr. 29	11.44	Aug. 21	17.81	Dec. 20	17.32

35/39-10N1. City of Colville. Dug irrigation water-table well in sand and gravel, diameter 8 feet, depth 48 feet. Land-surface datum is about 1,800 feet above msl. Highest water level 6.90 below lsd, Oct. 24, 1954; lowest 21.85 below lsd, June 24, 1955. Records available: 1954-55.

Oct. 24, 1954	6.90	Feb. 25, 1955	7.64	June 24, 1955	21.85	Oct. 26, 1955	8.35
Dec. 20	7.35	Apr. 29	7.60	Aug. 21	10.47	Dec. 20	8.65

Thurston County

16/1W-19G1. Town of Tenino. Garfield and Sheridan Sts. Dug unused water-table well in fluvioglacial gravel, diameter 12 inches, depth 42 feet. Land-surface datum is about 138 feet above msl. Highest water level 3.27 below lsd, Dec. 6, 1950; lowest 13.67 below lsd, Nov. 6, 1952. Records available: 1941-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	6.10	May 27	7.69	Aug. 30	10.60	Nov. 28	3.73
Mar. 29	5.82	June 28	8.70	Sept. 28	11.36	Dec. 28	4.17
May 4	6.54	July 26	6.19	Oct. 24	10.32		

16/2-17D1. Roy C. Hansen. Dug unused water-table well in till, size 4 by 4 feet, depth 45 feet. Land-surface datum is about 465 feet above msl. Highest water level 14.27 below lsd, Mar. 19, 1954; lowest 42.32 below lsd, Nov. 7, 1952. Records available: 1951-55. Mar. 29, 23.63.

17/1-14A1. W. R. Simcox. Drilled domestic water-table well in gravel and clay, diameter 4 inches, depth 110 feet. Land-surface datum is about 320 feet above msl. Highest water level 76.80 below lsd, Mar. 19, 1954; lowest 98.11 below lsd, Dec. 29, 1954. Records available: 1951-55. Mar. 29, 87.65; May 27, 89.61; July 26, 94.81; Aug. 30, 96.60; Sept. 28, 97.49; Oct. 24, 97.70; Nov. 28, 96.51.

17/1W-4C2. W. R. Rowe. Drilled domestic water-table well in sand and gravel, diameter 8 inches, depth 36 feet, cased to 36. Land-surface datum is about 200 feet above msl. Highest water level 17.72 below lsd, Mar. 29, 1951; lowest 34.42 below lsd, Sept. 8, 1954. Records available: 1949-55.

Jan. 28	26.00	May 27	23.69	Aug. 30	26.50	Nov. 28	27.23
Mar. 29	24.06	June 28	b37.05	Sept. 28	27.45	Dec. 28	21.85
May 4	23.36	July 26	26.30	Oct. 24	28.12		

b Pumped recently.

17/2-19M2. Town of Yelm. Northern Pacific Ry. tracks and State Highway 5-1. Drilled unused water-table well in glacial sand and gravel, diameter 8 inches, depth 97 feet, cased to 97. Land-surface datum is about 350 feet above msl. Highest water level 19.38 below lsd, Dec. 23, 1955; lowest 32.86 below lsd, Dec. 5, 1952. Records available: 1951-55.

Daily mean water level from recorder graph

Jan. 1	28.72	Jan. 14	27.25	Jan. 28	26.93	July 25	29.06
2	28.55	15	27.18	Feb. 25	25.72	27	29.12
3	28.38	16	27.13	Mar. 16	24.88	29	29.22
4	28.20	17	27.07	24	24.49	Aug. 17	29.98
5	28.07	18	27.03	29	24.50	31	30.45
6	27.97	19	27.00	Apr. 7	24.11	Sept. 21	30.99
7	27.88	20	27.00	17	24.11	29	31.11
8	27.81	21	26.99	25	24.11	Oct. 17	31.06
9	27.73	22	26.97	27	24.18	24	31.15
10	27.61	23	26.96	May 24	25.47	Nov. 17	26.29
11	27.50	24	26.94	26	25.62	28	25.68
12	27.41	25	26.94	June 26	27.65	Dec. 23	19.38
13	27.33	26	26.93	28	27.75		

Walla Walla County

6/35-16B1. Claude Winn. Dug and drilled irrigation water-table well in alluvial gravel, diameter 48 to 8 inches, depth 74 feet. Land-surface datum is 730.81 feet above msl. Highest water level 0.64 below lsd, Jan. 15, 1937; lowest 9.28 below lsd, July 7, 1949. Records available: 1933, 1935-51, 1953-55. Feb. 22, 4.02; Apr. 26, 4.02; Aug. 18, 4.52.

7/36-20N1. Marcus Whitman Hotel Association. North Second Ave. and Rose St., Walla Walla. Drilled unused artesian well in basalt, diameter 18 to 12 inches, depth 700 feet, perforations 86-106, 170-230. Land-surface datum is about 940 feet above msl. Highest water level 74.99 below lsd, May 26-27, 1948; lowest 84.58 below lsd, Sept. 6, 1953. Records available: 1952-55.

7/36-20N1--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	81.53	81.54	81.20	80.86	80.55	79.97	80.79	81.76	84.27	82.74	81.65	79.92
2	81.76	81.71	81.33	80.94	80.57	80.06	80.75	81.94	84.25	82.65	81.57	80.01
3	81.73	81.61	81.38	80.96	80.60	80.12	80.67	81.97	84.34	82.50	81.42	80.08
4	81.68	81.40	81.77	81.01	80.58	80.18	80.68	81.97	84.27	82.53	81.51	79.92
5	81.84	81.50	81.72	80.87	80.63	80.10	80.77	82.12	84.29	82.72	81.68	79.50
6	81.78	81.37	81.58	80.78	80.72	80.06	80.70	82.31	84.30	82.57	81.65	79.57
7	81.59	81.37	81.28	80.72	80.52	80.34	80.59	82.35	84.41	82.32	81.65	79.71
8	81.45	81.40	81.22	80.69	80.58	80.48	80.60	82.39	84.52	82.28	81.48	79.47
9	81.45	81.67	81.23	80.71	80.57	80.45	80.66	82.51	84.48	82.18	81.39	79.65
10	81.52	81.53	81.18	80.76	80.51	80.50	80.70	82.72	84.49	82.27	81.03	79.46
11	81.69	81.32	81.37	80.69	80.54	80.57	80.76	82.87	84.43	82.34	81.03	79.21
12	81.52	81.33	81.37	80.56	80.52	80.56	80.94	82.91	84.33	82.32	81.32	79.35
13	81.54	81.36	81.32	80.55	80.38	80.54	81.08	83.00	84.18	82.11	81.17	79.35
14	81.49	81.32	81.50	80.56	80.28	80.66	81.12	83.00	84.14	82.00	81.33	79.15
15	81.36	81.24	81.50	80.60	80.20	80.74	81.16	83.08	83.82	82.16	81.42	78.80
16	81.56	81.26	81.29	80.52	80.20	80.63	81.21	83.23	83.77	82.03	81.18	.....
17	81.51	81.51	81.37	80.51	80.25	80.55	81.26	83.37	83.85	81.80	81.07	.....
18	81.49	81.47	81.15	80.53	80.27	80.57	81.21	83.47	83.77	81.71	81.02	.....
19	81.63	81.36	81.19	80.56	80.24	80.49	81.35	.....	83.46	81.81	81.16	.....
20	81.77	81.24	81.17	80.51	80.27	80.51	81.42	83.87	83.36	81.83	81.09	.....
21	81.85	.....	81.02	80.51	80.20	80.70	81.49	83.63	83.39	81.77	81.10	.....
22	81.76	.....	81.00	80.66	80.18	80.88	81.60	83.64	83.27	81.83	81.07	.....
23	81.65	81.22	81.08	80.76	79.92	80.95	81.64	83.76	83.17	81.77	80.83	.....
24	81.61	80.99	81.32	80.65	79.93	80.86	81.56	83.82	83.09	81.56	80.87	.....
25	81.64	81.03	81.37	80.51	79.83	80.79	81.51	83.84	82.99	81.53	80.85	.....
26	81.75	80.97	81.17	.....	79.77	80.79	81.65	83.83	82.89	81.73	80.93	.....
27	81.71	81.16	80.82	80.81	79.95	80.81	81.66	83.77	82.94	81.74	80.94	.....
28	81.55	81.09	80.74	80.51	79.94	80.84	81.55	83.78	83.18	81.76	80.62	.....
29	81.45		80.94	80.57	79.87	80.83	81.46	83.81	83.04	.....	80.36	.....
30	81.40		81.16	80.60	79.88	80.72	81.54	83.98	82.89	81.43	80.01	.....
31	81.43		80.96		79.85		81.57	84.21		81.42		.....

Whatcom County

39/2-25R1. J. W. Elsbree. Smith and Meridian Rds. Dug domestic water-table well in sand and gravel, diameter 24 inches, depth 57 feet, lined with concrete to 57. Land-surface datum is about 165 feet above msl. Highest water level 54.06 below lsd, Apr. 20, 1950; lowest 58.60 below lsd, Aug. 14, 1947. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	56.98	May 3	56.65	Aug. 22	57.00	Nov. 30	57.12
Mar. 1	57.19	31	57.93	Oct. 25	57.76	Dec. 30	55.10
30	57.67	July 28	58.49				

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: 1938-55.

Jan. 27	67.89	Mar. 30	67.49	Sept. 29	74.54	Nov. 30	68.27
Mar. 1	67.48	May 3	67.52	Oct. 25	71.14	Dec. 30	68.33

40/3-19M1. U. S. Geol. Survey. State Highways 1A and 1B. Driven observation water-table well in sand, diameter 1¼ inches, depth 22 feet, cased to 20, screen 20-22. Land-surface datum is about 90 feet above msl. Highest water level 14.90 below lsd, May 5, 1954; lowest 19.23 below lsd, Nov. 7, 1952. Records available: 1952-55.

Jan. 27	16.98	May 3	16.34	July 28	17.87	Oct. 25	18.92
Mar. 1	15.82	31	16.66	Aug. 22	18.11	Nov. 30	18.00
30	16.22	June 26	16.97	Sept. 29	18.66	Dec. 29	16.03

40/4-5D1. John C. Loreen. Van Buren and Hoverstick Rds. Dug domestic stock water-table well in gravel, size 20 by 30 inches, depth 61 feet, lined with concrete to 61. Land-surface datum is about 170 feet above msl. Highest water level 48.86 below lsd, Apr. 7, 1951; lowest dry, Jan. 10, Oct. 4, 1944, Jan. 1, 1953. Records available: 1940-55.

Jan. 27	52.79	May 3	51.56	July 28	a54.46	Oct. 25	54.93
Mar. 1	51.53	31	51.68	Aug. 22	53.35	Nov. 30	54.13
30	51.69	June 26	52.08	Sept. 29	54.24	Dec. 29	52.22

a Pumping.

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 23.75 above lsd, Jan. 27, Mar. 1, 1955; lowest 13.50 above lsd, May 17, 1945. Records available: 1939-42, 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	+23.75	May 3	+21.50	July 28	+20.90	Oct. 25	+19.00
Mar. 1	+23.75	31	+19.75	Aug. 22	+19.75	Dec. 29	+19.25
30	+21.50	June 26	+20.30				

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 59.90 below lsd, Sept. 1, 1955. Records available: 1935-55.

Daily mean water level from recorder graph*

Day	Jan.	Mar.	Apr.	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	59.90	59.43	.....	58.74
2	.....	.....	.....	.....	.....	59.82	59.38	.....	58.90
3	.....	.....	.....	.....	59.27	59.77	59.20	59.05	59.15
4	58.11	.....	.....	.....	59.31	59.75	59.18	59.06	59.16
5	.....	.....	.....	.....	59.37	.....	59.41	59.41	.....
6	.....	.....	.....	.....	59.37	.....	59.57	59.47	.....
7	.....	.....	.....	58.50	59.28	59.65	59.25	59.57	59.13
8	.....	.....	.....	58.42	59.29	59.66	59.22	59.50	58.93
9	.....	.....	.....	58.45	59.39	59.81	59.10	59.27	58.18
10	.....	.....	.....	58.45	59.45	59.89	59.08	58.84	59.20
11	.....	.....	.....	58.50	59.49	59.86	59.37	58.70	58.98
12	.....	.....	.....	58.52	59.44	59.79	59.54	59.04	57.12
13	.....	.....	.....	58.56	59.43	59.61	59.50	58.88	59.40
14	.....	.....	.....	58.62	59.41	59.59	59.27	59.12	59.49
15	.....	.....	.....	58.62	59.37	59.50	59.40	59.33	59.20
16	.....	.....	.....	58.63	59.44	59.30	59.42	59.10	58.94
17	.....	.....	.....	58.73	59.50	59.51	59.27	58.96	58.92
18	.....	.....	.....	58.77	59.51	59.68	59.11	58.90	58.68
19	.....	.....	.....	58.92	59.57	59.51	59.19	59.05	58.75
20	.....	.....	.....	59.01	59.65	59.34	.....	58.95	58.85
21	.....	.....	.....	59.09	59.60	59.48	.....	58.99	58.62
22	.....	.....	.....	59.01	59.50	59.59	59.39	59.16	.....
23	.....	.....	.....	58.86	59.55	59.53	.....	58.91	.....
24	.....	.....	.....	58.83	59.52	59.55	59.36	59.05	.....
25	.....	.....	57.69	58.94	59.51	59.52	.....	58.99	.....
26	.....	.....	.....	59.09	59.64	59.44	.....	59.18	.....
27	.....	.....	.....	59.01	59.64	59.39	.....	59.39	.....
28	.....	57.82	.....	58.93	59.57	59.36	.....	59.23	.....
29	.....	.....	.....	58.96	59.58	59.51	.....	59.14	.....
30	.....	.....	.....	58.94	59.58	59.54	.....	58.86	.....
31	.....	.....		.....	59.77		.....		.....

* No record for February, May, and June.

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 41.23 below lsd, Aug. 23, 1953. Records available: 1935-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	40.84	Apr. 25	c40.62	Aug. 2	c43.56	Nov. 3	c43.16
Feb. 1	40.85	June 21	c43.02	Sept. 6	c44.13	Dec. 6	c42.89
Mar. 28	c40.74	July 6	c42.45	Oct. 6	c42.41		

c Nearby well being pumped.

14/45-11N1. U. S. Geol. Survey. Driven observation water-table well in gravel, diameter 1½ inches, depth 15 feet. Land-surface datum is about 2,523 feet above msl. Highest water level 2.39 below lsd, Apr. 21, 1937; lowest 9.48 below lsd, Oct. 3, 1940. Records available: 1934-55.

Jan. 3	4.89	Apr. 25	2.87	Aug. 3	5.90	Nov. 1	6.40
Feb. 1	4.25	June 21	4.45	Sept. 7	6.90	Dec. 6	5.37
Mar. 28	2.56	July 7	4.69	29	7.00		

15/41-9K1. John Scheideman. Dusty. Drilled unused water-table well in basalt, diameter 10 to 6 inches, depth 96 feet. Land-surface datum is about 1,670 feet above msl. Highest water level 4.80 below lsd, Feb. 2, 1955; lowest 7.27 below lsd, Sept. 8, 1955. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 28, 1954	5.28	Aug. 31, 1954	6.65	Jan. 3, 1955	6.12	Sept. 8, 1955	7.27
June 8	5.31	Sept. 27	6.56	Feb. 2	4.80	Nov. 1	6.70
July 6	5.82	Oct. 22	6.75	Mar. 30	5.47	Dec. 8	4.75
July 29	6.18	Dec. 9	6.37	July 12	6.27		

15/46-20K1. J. D. Carson. Dug unused water-table well in Palouse formation, diameter 30 inches, depth 15 feet, cribbed with brick to 14. Land-surface datum is about 2,579 feet above msl. Highest water level 3.43 below lsd, Apr. 7, 1950; lowest 8.10 below lsd, Jan. 3, 1937. Records available: 1934-37, 1939, 1942-55.

Jan. 4	6.99	June 21	5.75	Sept. 7	7.08	Nov. 1	7.13
Mar. 29	5.30	July 7	6.34	28	7.19	Dec. 7	5.43
Apr. 26	4.65	Aug. 3	6.84				

16/39-26J1. J. S. Branch. LaCrosse. Drilled stock water-table well in basalt, diameter 6 inches, depth 59 feet. Land-surface datum is about 1,540 feet above msl. Highest water level 42.14 below lsd, May 17, 1954; lowest 47.25 below lsd, Dec. 8, 1955. Records available: 1954-55.

Jan. 18, 1954	42.74	July 6, 1954	42.50	Dec. 9, 1954	43.96	July 6, 1955	45.43
Feb. 17	42.94	29	42.80	Jan. 3, 1955	44.22	Sept. 8	a47.16
Mar. 22	42.84	Aug. 31	43.20	Feb. 1	44.44	27	a46.95
Apr. 22	42.23	Sept. 27	43.33	Mar. 30	44.83	Nov. 1	46.87
May 17	42.14	Nov. 9	43.80	Apr. 29	44.99	Dec. 8	47.25
June 8	42.25						

a Pumping.

16/43-21L1. Art Jensen. Colfax. Drilled unused water-table well in basalt, diameter 6 inches, depth 106 feet. Land-surface datum is about 2,220 feet above msl. Highest water level 10.15 below lsd, Feb. 17, 1954; lowest 16.23 below lsd, Sept. 6, 1955. Records available: 1954-55.

Jan. 18, 1954	11.75	July 6, 1954	13.45	Jan. 3, 1955	13.28	Aug. 5, 1955	15.75
Feb. 17	10.15	29	14.74	Feb. 1	12.23	Sept. 6	16.23
Mar. 22	10.51	Aug. 31	15.70	Mar. 28	11.99	Oct. 3	15.98
Apr. 22	11.36	Sept. 27	15.43	Apr. 29	12.28	Nov. 1	15.47
May 17	12.42	Nov. 13	15.03	July 6	15.57	Dec. 6	12.60
June 8	12.54	Dec. 6	14.38				

18/41-1B1. Inland Empire Milling Co. Park and Front Sts., St. John. Drilled unused well in basalt, diameter 6 inches, depth 84 feet. Land-surface datum is about 2,100 feet above msl. Highest water level 2.01 below lsd, Dec. 9, 1952; lowest 9.92 below lsd, Sept. 7, 1955. Records available: 1945-55. Jan. 5, 2.37; Mar. 28, 2.37; Aug. 4, 9.17; Sept. 7, 9.92; Oct. 3, 2.45; Nov. 2, 2.37; Dec. 7, 2.35.

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: 1940-55.

Jan. 5	11.33	July 8	12.51	Sept. 7	b18.99	Nov. 2	13.85
Feb. 3	10.15	Aug. 4	14.11	Oct. 3	15.08	Dec. 7	b14.82
Mar. 30	9.58						

b Pumped recently.

18/45-32H1. J. E. Love. Garfield. Drilled unused water-table well in basalt, diameter 6 inches, depth 131 feet. Land-surface datum is about 2,540 feet above msl. Highest water level 54.06 below lsd, May 18, 1954; lowest 57.29 below lsd, Dec. 7, 1955. Records available: 1953-55.

Dec. 7, 1953	55.15	July 16, 1954	54.42	Dec. 8, 1954	55.79	Aug. 4, 1955	55.80
Jan. 19, 1954	55.59	Aug. 2	54.38	Jan. 5, 1955	56.19	Sept. 7	55.94
Apr. 22	54.30	Sept. 3	54.78	Feb. 3	56.47	30	56.55
May 18	54.06	Oct. 7	54.99	Mar. 29	55.92	Nov. 2	56.92
June 18	54.44	Nov. 14	55.19	July 8	55.51	Dec. 7	57.29

Yakima County

12/17-9J3. W. McInnis. Drilled unused water-table well in basalt, diameter 4 inches, depth 479 feet. Land-surface datum is about 1,450 feet above msl. Highest water level 66.85 below lsd, June 26, 1953; lowest 86.88 below lsd, Oct. 30, 1955. Records available: 1953-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 3, 1953	68.34	July 8, 1953	67.25	Nov. 3, 1953	78.65	Dec. 19, 1953	79.13
4	67.98	12	67.21	4	78.42	20	79.30
5	68.24	21	66.95	5	78.23	21	79.61
6	68.13	Sept. 5	78.82	6	78.55	22	79.71
7	68.12	7	78.24	7	78.72	23	79.65
8	67.40	8	78.27	8	78.70	24	79.79
9	67.16	9	78.20	9	78.63	25	79.73
10	67.25	10	78.05	10	78.54	26	79.57
11	67.47	11	78.08	11	78.60	27	79.65
12	66.94	12	77.96	12	78.62	28	79.44
13	67.47	13	77.86	13	78.54	29	79.61
14	67.63	14	77.99	14	78.55	30	79.67
15	67.14	15	77.93	15	78.81	31	79.46
16	67.40	16	77.75	16	78.72	Jan. 1, 1954	79.39
17	67.58	17	77.64	17	79.00	2	79.22
18	67.85	18	77.70	18	79.03	3	79.41
19	68.17	19	77.80	19	78.88	4	79.55
20	68.29	20	77.90	20	79.02	5	79.46
21	68.42	21	77.40	21	78.63	6	79.43
22	68.42	22	77.80	22	78.67	7	79.40
23	68.73	23	77.70	23	78.90	8	79.68
24	68.78	24	77.52	24	79.08	9	79.83
25	68.69	25	77.74	25	79.02	10	79.88
26	68.87	26	77.86	26	78.97	11	79.86
27	68.86	27	77.83	27	79.15	12	79.79
28	69.07	28	77.64	28	79.16	13	79.55
29	69.32	29	77.67	29	78.89	Feb. 28	80.07
30	69.31	30	77.66	30	79.02	Mar. 25	80.25
31	69.44	Oct. 2	77.68	Dec. 1	78.97	Apr. 22	80.32
June 1	69.57	3	77.64	2	79.05	May 26	80.23
2	69.60	4	77.53	4	78.85	June 27	80.15
3	69.69	5	77.71	5	78.95	July 26	80.39
26	66.85	6	77.90	6	78.91	Sept. 3	81.49
27	66.96	23	78.32	7	79.04	Oct. 14	81.84
28	66.97	24	78.28	8	79.13	18	83.00
29	67.04	25	78.46	9	78.94	Nov. 16	83.84
30	67.02	26	78.48	10	79.18	24	83.59
July 1	67.00	27	78.51	11	79.19	Feb. 15, 1955	83.60
2	67.11	28	78.45	12	79.41	Apr. 25	82.01
3	67.19	29	78.46	15	79.43	June 20	82.40
4	67.11	30	78.50	16	79.41	Aug. 17	84.80
5	67.10	31	78.46	17	79.38	Oct. 30	86.88
6	67.12	Nov. 1	78.53	18	79.40	Dec. 16	86.66
7	67.27	2	78.69				

12/18-1R1. U. S. Geol. Survey. Driven observation water-table well in gravel, diameter 1½ inches, depth 9 feet, cased to 7, screen 7-9. Land-surface datum is about 995 feet above msl. Highest water level 2.15 below lsd, June 20, 1955; lowest 5.72 below lsd, July 26, 1954. Records available: 1952-55. Feb. 15, 4.86; Apr. 25, 5.29; June 20, 2.15; Aug. 17, 3.88; Dec. 16, 3.68.

15/18-32K3. Wenas Valley Grange. Drilled water-table well in gravel, diameter 6 inches, depth 85 feet. Land-surface datum is about 1,460 feet above msl. Highest water level 37.00 below lsd, Oct. 22, 1948; lowest 42.00 below lsd, Aug. 17, 1955. Records available: 1948, 1954-55.

Oct. 22, 1948	37.00	Oct. 20, 1954	41.30	Feb. 21, 1955	40.33	June 25, 1955	39.72
June 27, 1954	39.87	Dec. 15	40.50	Apr. 25	39.31	Aug. 17	42.00
Sept. 3	41.94						

WYOMING

By H. M. Babcock

Scope of Water-Level Program

The observation-well program in Wyoming was continued in 1955 in cooperation with the State Engineer and the city of Cheyenne. Measurements of water levels were made in 105 wells. In addition to the water-level measurements given in this report, many measurements were made during project studies and have been or will be published in the project reports. Figures 29-34 show the location of observation wells.

Interpretation of Water-Level Fluctuations

Water levels fluctuate in response to precipitation, surface runoff in streams, the amount of water used in irrigated areas, the amount pumped from wells, and the amount of ground water withdrawn by plants. Water levels in surficial deposits of Quaternary age throughout most of the State declined during 1955, the greatest decline being about 4 feet in the Wheatland Flats area, central Platte County. However, in the Pine Bluffs area, southeastern Laramie County, water levels rose an average of about 2.4 feet above the 1954 stage but were still considerably lower than in previous years. Generally, water levels in the alluvium along the stream valleys were slightly lower than in 1954. Water levels begin to rise in the spring and continue to rise until irrigation is discontinued in the fall, reaching their peak about the end of September. In 1955, water levels in the alluvium along the North Platte River and the Belle Fourche River remained about the same as in 1954. They had declined slightly in 1954, generally less than 0.5 foot. Water levels in 1955 were slightly higher in the valleys of Horse Creek, Lodgepole Creek, Paintrock Creek, and the Green River. They were slightly lower in the valleys of the Laramie River, the Wind River, Pass Creek, Bear Creek, and Owl Creek.

Water levels in deposits of Tertiary age, which supply water to most of the stock and domestic wells in the State, were at about the same stage in 1955 as in 1953 and 1954, except in local areas of heavy pumping. In the Cheyenne municipal well field, water levels in the Ogallala formation of Tertiary age continued to decline in 1955 but at a lesser rate than during 1954. The average lowering of water levels was about 4.5 feet in 1955 compared to about 6 feet during 1954. In the Federal well field northeast of Cheyenne, water levels in the Brule formation of Tertiary age declined an average of about 35 feet during 1955, the first year that the wells were pumped. The wells were pumped rather heavily, about 760 million gallons from the 10 wells in the field.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first segment of a well number indicates the township, the second the range, and the third the section. The lowercase letters, a, b, c, and d, after the section number indicate the location of the well within the section. The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. When more than one well is in the smallest significant tract, numbers beginning with 1 are added as suffixes. On page 156 there is an illustration of this method of well numbering within a section of 640 acres. Well numbers preceded by the capital letters A, B, C, and D designate wells in the northeast, northwest, southwest, and southeast quadrants, respectively, of the Wind River meridian and base line system. Well numbers not preceded by a capital letter designate wells in the sixth principal meridian and base line system.

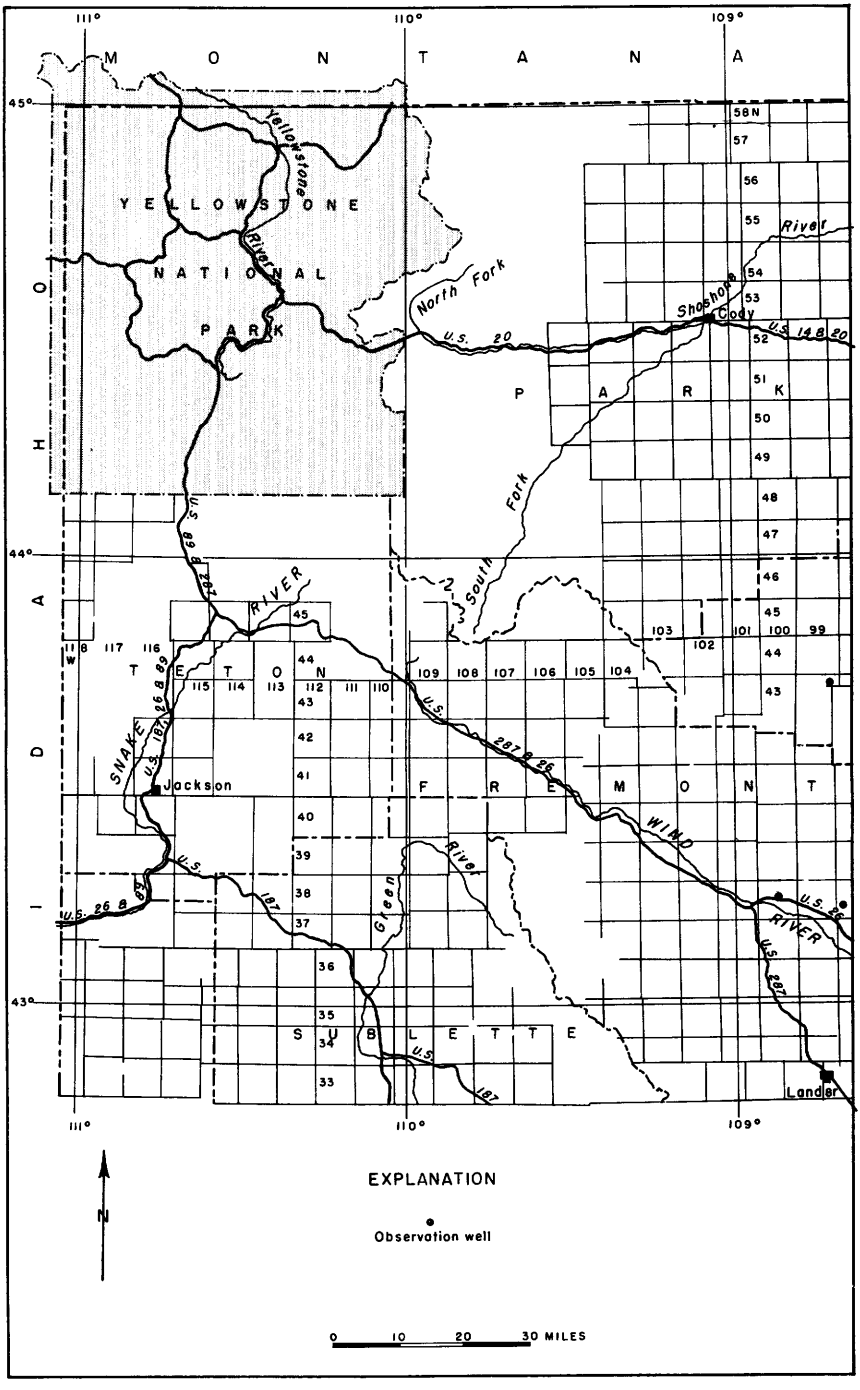


Figure 29. --Location of observation wells in northwestern Wyoming, 1955.

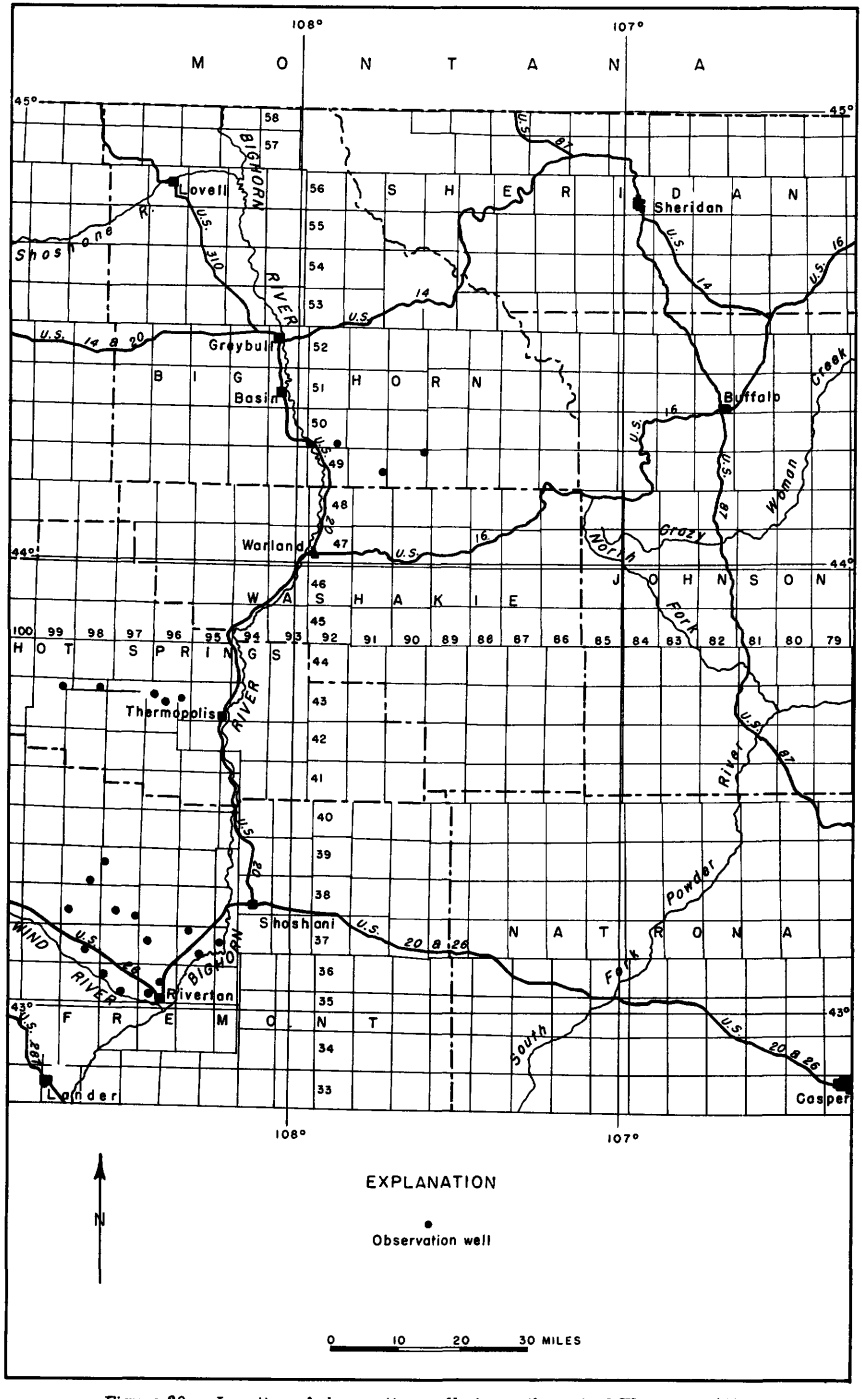


Figure 30. --Location of observation wells in north-central Wyoming, 1955.

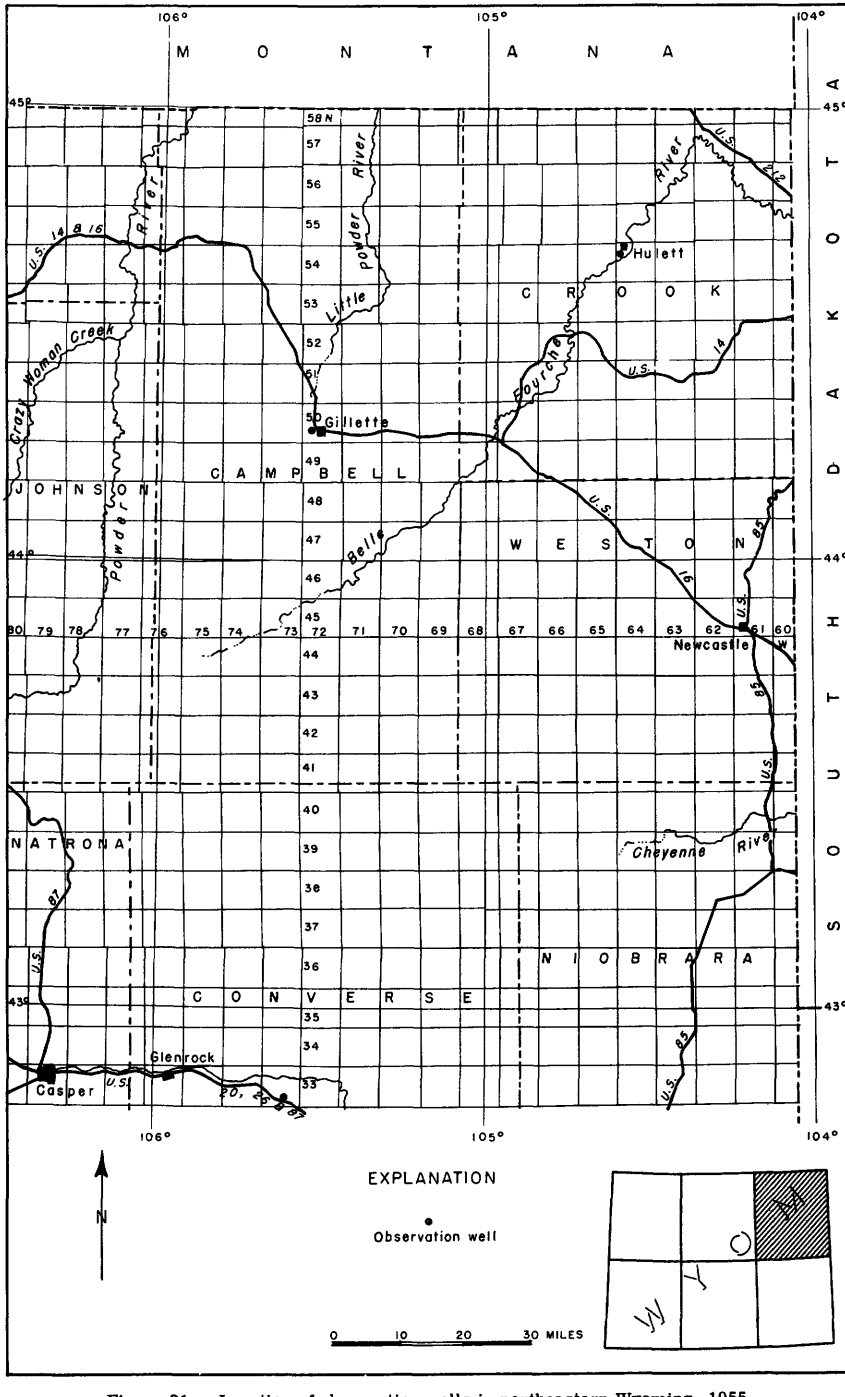


Figure 31. --Location of observation wells in northeastern Wyoming, 1955.

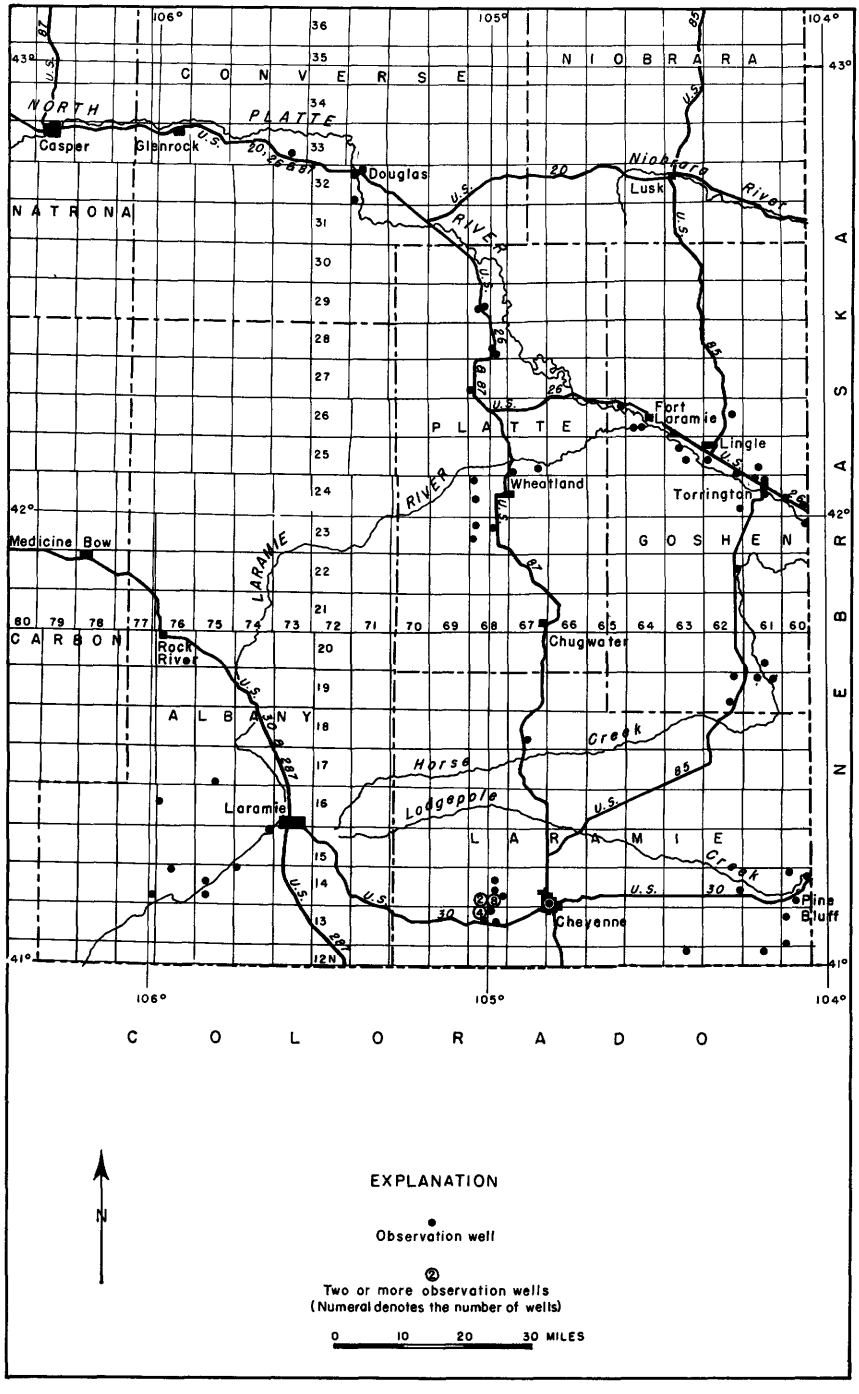


Figure 32. --Location of observation wells in southeastern Wyoming, 1955.

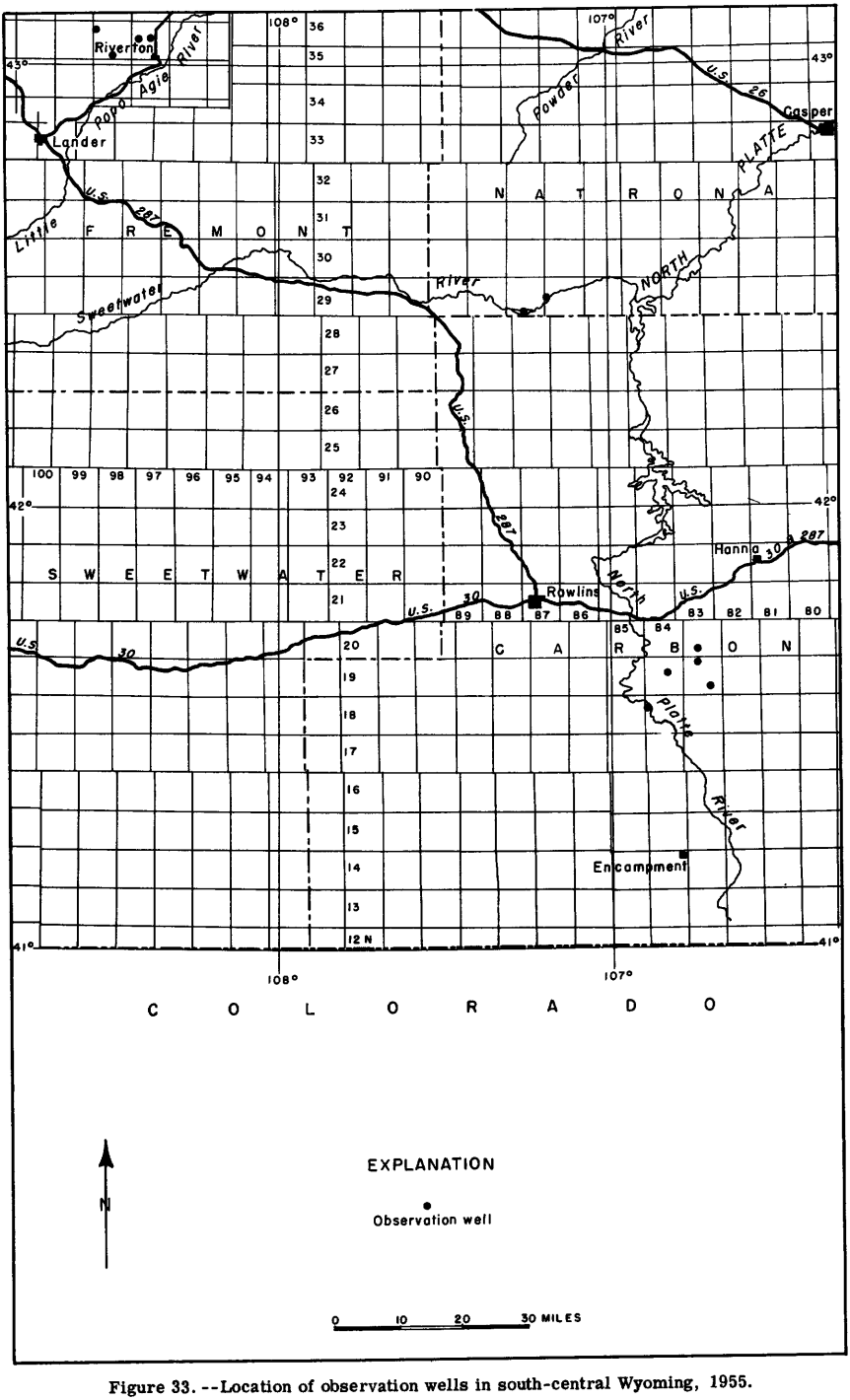


Figure 33. --Location of observation wells in south-central Wyoming, 1955.

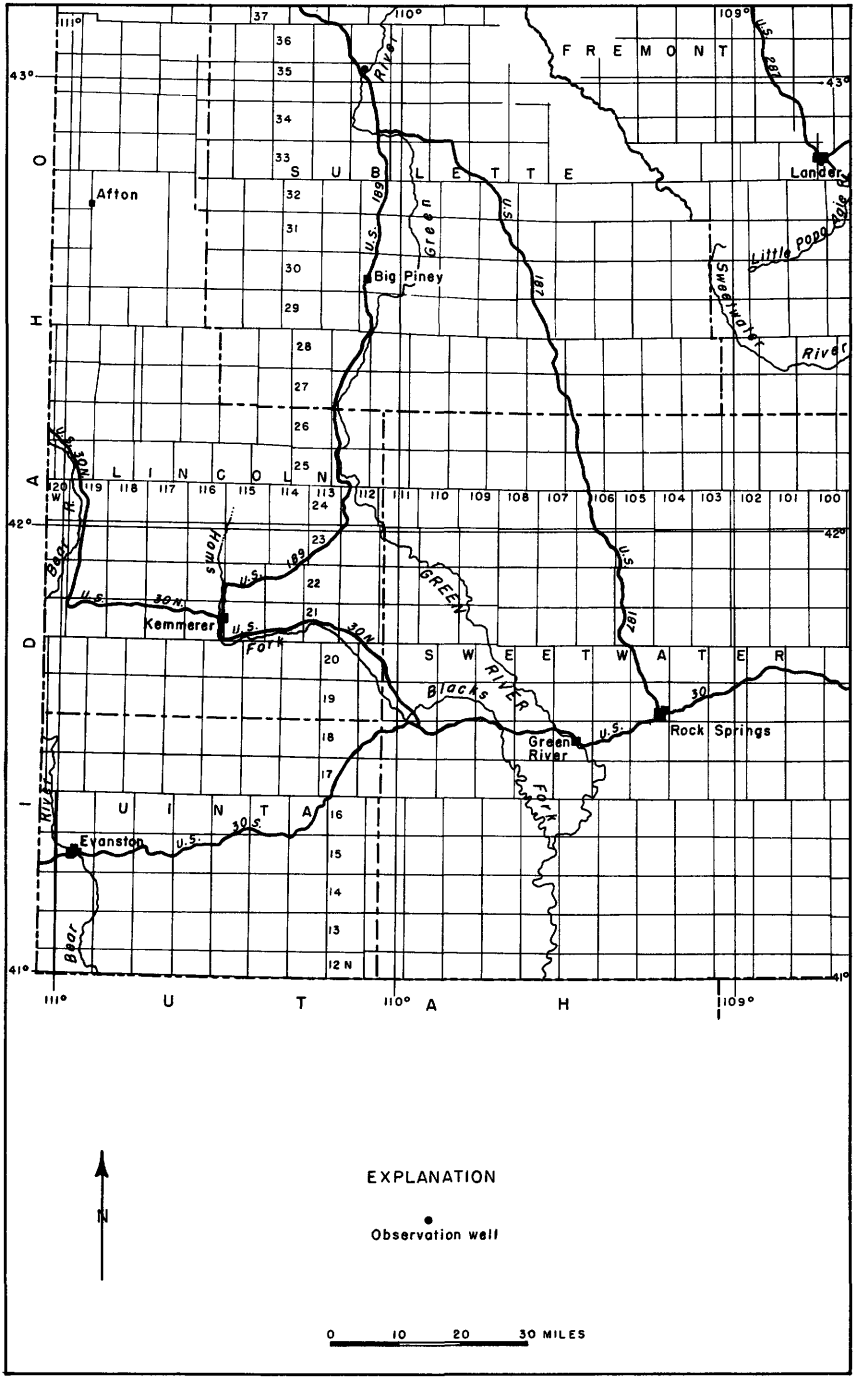
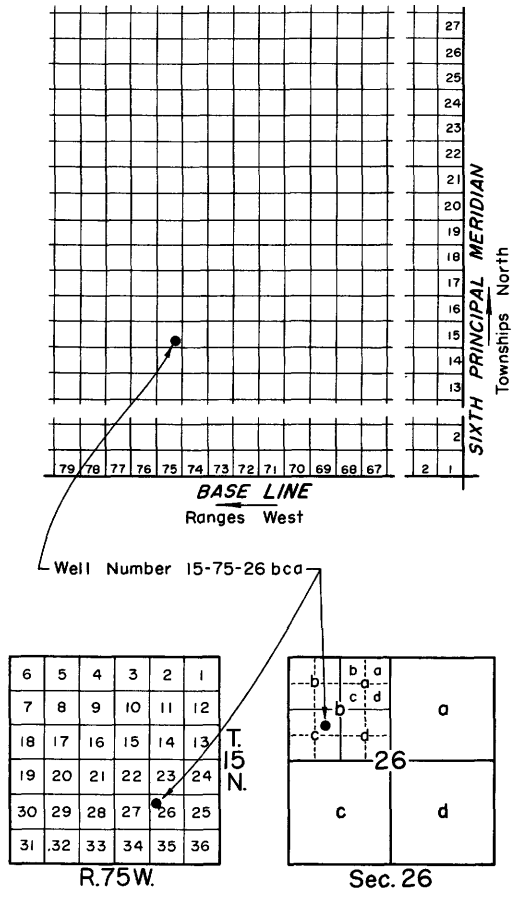


Figure 34. --Location of observation wells in southwestern Wyoming, 1955.



Well Descriptions and Water-Level Measurements

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

Albany County

14-74-6dac. Monolith Portland Midwest Co. Drilled unused water-table well in gravel of alluvium, diameter 4 inches, depth 54 feet. Land-surface datum is 7,151.4 feet above msl. Highest water level 3.72 below lsd, May 24, 1951; lowest 6.39 below lsd, Sept. 23, 1952. Records available: 1948-55. Apr. 15, 5.90; Oct. 1, 6.34.

14-75-17aac. Ray Moeller. Dug domestic and stock water-table well in gravel of terrace deposits, diameter 4 feet, depth 8 feet, cribbed with concrete to 8. Land-surface datum is 7,275 feet above msl. Highest water level 2.90 below lsd, July 8, 1949; lowest dry at 8.00, Oct. 1, 1955. Records available: 1948-55. Apr. 15, 6.97; Oct. 1, dry at 8.00.

14-75-29adb. Oda Mason. Dug unused water-table well in alluvium, diameter 5 feet, depth 10 feet, cribbed with wood to 8. Highest water level 1.61 below lsd, May 24, 1951; lowest 5.64 below lsd, Nov. 15, 1949. Records available: 1948-55. Apr. 15, 4.25; Oct. 1, 4.97.

14-76-4aab. John A. Conners. Drilled unused water-table well in gravel of terrace deposits, diameter 6 inches, depth 12 feet. Highest water level 3.48 below lsd, June 21, 1949; lowest 7.05 below lsd, Oct. 1, 1955. Records available: 1948-55. Apr. 15, 5.90; Oct. 1, 7.05.

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 18.75 below lsd, Apr. 15, 1955; lowest 33.55 below lsd, May 25, 1954. Records available: 1948-55. Apr. 15, 18.75; Oct. 1, 20.77.

15-74-1aaa. Maurice Laycock. Dug stock water-table well in alluvium, diameter 24 inches, depth 11 feet, cribbed with brick. Land-surface datum is 7,079.5 feet above msl. Highest water level 2.61 below lsd, Mar. 27, 1950; lowest 8.85 below lsd, Sept. 27, 1954. Records available: 1948-55. Apr. 15, 8.72; Oct. 1, 8.75.

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 July 8, 1949, May 24, July 23, 1951; lowest 6.82 below lsd, Sept. 7, 1954. Records available: 1948-55. Apr. 15, 5.70; Oct. 1, 6.81.

17-75-34cdd. Ralph May. Dug unused water-table well in alluvium, diameter 4 feet, depth 10 feet, cribbed with wood to 10. Highest water level 0.87 below lsd, June 21, 1949; lowest 6.50 below lsd, Sept. 27, 1954. Records available: 1948-55. Oct. 1, 6.40.

Big Horn County

49-90-1daa1. Owner unknown. Dug unused water-table well in sand and gravel of alluvium, diameter 4 feet, depth 14 feet, cribbed with rock to 14. Land-surface datum is 4,456.4 feet above msl. Highest water level 3.00 below lsd, June 29, 1949; lowest 9.43 below lsd, Apr. 3, 1952. Records available: 1947-55. Apr. 12, 9.22; Sept. 28, 7.75.

49-91-24bba. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 11 feet, screen 10-11. Land-surface datum is 4,110.8 feet above msl. Highest water level 7.32 below lsd, June 28, 1951; lowest dry at 11.00, May 29, July 31, 1951. Records available: 1951-55. Apr. 12, 8.89; Sept. 28, 9.62.

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 21.85 below lsd, May 19, 1954. Records available: 1947-55. Apr. 12, 13.18; Sept. 28, 14.82.

50-92-35adc. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 22 feet, screen 21-22. Land-surface datum is 3,970.8 feet above msl. Highest water level 11.83 below lsd, Sept. 28, 1955; lowest 17.59 below lsd, Apr. 27, 1951. Records available: 1951-55. Apr. 12, 16.69; Sept. 28, 11.85.

Campbell County

50-72-20add. State of Wyoming. Drilled observation artesian well in sandstone of Wasatch formation, diameter 3 inches, depth 320 feet, cased to 180. Land-surface datum is 4,567.14 feet above msl. Highest water level 76.21 below lsd, Sept. 4, 1951; lowest 79.54 below lsd, July 21, 1953. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	79.02	Apr. 1	78.86	July 6	78.61	Oct. 12	78.67
Feb. 14	78.55	May 10	78.91	Aug. 4	78.82	Nov. 8	78.55
Mar. 7	78.92	June 2	78.88	Sept. 13	78.67	Dec. 12	78.40

Carbon County

18-84-7dad. H. G. Carpening. Dug domestic water-table well in sand and gravel of alluvium, diameter 6 feet, depth 12 feet, cribbed with wood to 12. Highest water level 6.47 below lsd, June 25, 1951; lowest 10.27 below lsd, Sept. 27, 1954. Records available: 1950-55. Apr. 14, 10.50, pumped recently; Oct. 1, 10.26.

19-83-4dda. A. L. Welton. Drilled domestic water-table well in sand and gravel of alluvium, diameter 8 inches, depth 17 feet, cased to 17. Highest water level 3.91 below lsd, May 23, 1951; lowest 9.50 below lsd, Sept. 27, 1954. Apr. 14, 6.14; Oct. 1, 9.42.

19-83-26cad. R. Welton. Dug stock water-table well in sand and gravel of alluvium, diameter 6 feet, depth 10 feet, cribbed with wood to 10. Highest water level 0.23 below lsd, July 31, 1951; lowest 4.91 below lsd, Oct. 1, 1955. Records available: 1950-55. Oct. 1, 4.91.

19-84-15dbd. Rocky Mountain Sheep Co. Drilled unused water-table well in sand of North Park formation, diameter 4 inches, reported depth 600 feet. Highest water level 114.98 below lsd, Mar. 25, 1953; lowest 116.23 below lsd, Nov. 17, 1950. Records available: 1950-54. No measurement made in 1955.

20-83-28bab. State of Wyoming. Drilled unused water-table well in sand of North Park formation, diameter 3 inches, depth 33 feet. Highest water level 16.16 below lsd, Sept. 3, 1953; lowest 18.60 below lsd, Oct. 1, 1955. Records available: 1950-55. Apr. 14, 18.50; Oct. 1, 18.60.

Converse County

32-71-7dcd. Town of Douglas. Drilled unused water-table well in sand and gravel of alluvium, diameter 12 inches, depth 51 feet. Highest water level 6.96 below lsd, Mar. 13, 1952; lowest 25.76 below lsd, Apr. 11, 1955. Records available: 1950-52, 1954-55. Apr. 11, 25.76; Sept. 26, 19.42.

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 13.22 below lsd, Sept. 26, 1955; lowest 20.32 below lsd, July 10, 1950. Records available: 1950-55. Apr. 11, 13.93; Sept. 26, 13.22.

33-73-27abc. U. S. Geol. Survey. Drilled observation water-table well in silt of slope wash, diameter $\frac{3}{4}$ inch, depth 14 feet. Highest water level 2.73 below lsd, Apr. 4, 1952; lowest 8.72 below lsd, Sept. 27, 1955. Records available: 1950-55. Apr. 11, 5.99; Sept. 27, 8.72.

Crook County

54-64-7bcc. Charles Martin. Dug observation water-table well in alluvium, diameter 5 feet, depth 20 feet. Highest water level 13.50 below lsd, Apr. 7, 1949; lowest 16.13 below lsd, Mar. 25, 1946. Records available: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	14.69	Apr. 21	13.93	July 20	14.42	Oct. 21	14.87
Feb. 21	14.39	May 27	13.78	Aug. 22	14.54	Nov. 23	14.79
Mar. 22	14.16	June 30	14.13	Sept. 20	14.70	Dec. 21	14.77

Fremont County

A-1-3-7ad3. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 29 feet, screen 28-29. Land-surface datum is 5,163.5 feet above msl. Highest water level 8.29 below lsd, Aug. 30, 1952; lowest 21.23 below lsd, May 14, 1952. Records available: 1951-55. Apr. 13, 19.74; Sept. 29, 10.78.

A-1-3-27bb. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 25 feet, screen 24-25. Land-surface datum is 5,080.7 feet above msl. Highest water level 3.04 below lsd, Sept. 29, 1955; lowest 6.49 below lsd, May 14, 1952. Records available: 1951-55. Apr. 13, 4.83; Sept. 29, 3.04.

A-1-4-15dd3. U. S. Geol. Survey. Jetted unused water-table well in terrace deposits, diameter $\frac{3}{4}$ inch, depth 26 feet, screen 25-26. Land-surface datum is 4,957.9 feet above msl. Highest water level 3.72 below lsd, July 30, 1951; lowest 6.00 below lsd, Jan. 28, 1952. Records available: 1951-55. Apr. 13, 5.64; Sept. 29, 4.24.

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: 1949-55. Apr. 13, 180.45; Sept. 29, 191.02.

A-2-2-23bd. Lena Bechert. Drilled unused water-table well in Wind River formation, diameter 6 inches, depth 47 feet. Land-surface datum is 5,384.6 feet above msl. Highest water level 18.72 below lsd, Oct. 1, 1951; lowest 24.97 below lsd, Apr. 23, 1953. Records available: 1951-55. Apr. 13, 24.60; Sept. 29, 22.29.

A-2-4-17da. U. S. Bureau of Reclamation. Drilled unused water-table well in alluvium, diameter 3 inches, depth 8 feet, perforations 0-8. Land-surface datum is 5,262.0 feet above msl. Highest water level 1.97 below lsd, Aug. 27, 1951; lowest 5.18 below lsd, Feb. 29, 1952. Records available: 1951-55. Apr. 13, 3.93; Sept. 29, 2.87.

A-2-5-5aa3. U. S. Bureau of Reclamation. Drilled unused water-table well in alluvium, diameter 3 inches, depth 29 feet, perforations 0-29. Land-surface datum is 4,916.0 feet above msl. Highest water level 1.49 below lsd, Sept. 29, 1955; lowest 8.88 below lsd, Aug. 29, 1952. Records available: 1951-55. Apr. 13, 5.23; Sept. 29, 1.49.

A-2-5-28ca. U. S. Geol. Survey. Jetted unused water-table well in terrace deposits, diameter $\frac{3}{4}$ inch, depth 18 feet, screen 17-18. Land-surface datum is 4,860.1 feet above msl. Highest water level 1.79 below lsd, Aug. 29, 1952; lowest dry at 18.00, Apr. 13, 1955. Records available: 1951-55. Apr. 13, dry at 18.00; Sept. 29, 5.46.

A-2-6-18da. U. S. Geol. Survey. Jetted unused water-table well in terrace deposits, diameter $\frac{3}{4}$ inch, depth 22 feet, screen 21-22. Land-surface datum is 4,814.6 feet above msl. Highest water level 6.11 below lsd, Sept. 26, 1953; lowest 15.74 below lsd, Apr. 28, 1951. Records available: 1951-54. Measurement discontinued.

A-3-2-20cd. Joe Eiseman. Drilled unused water-table well in alluvium, diameter 8 inches, depth 48 feet. Land-surface datum is 5,348.8 feet above msl. Highest water level 16.49 below lsd, Aug. 26, 1949; lowest 26.31 below lsd, Apr. 30, 1950. Records available: 1948-55. Apr. 13, 25.73; Sept. 29, 17.15.

A-3-3-21ad2. H. W. Roland. Drilled unused artesian well in sandstone of Wind River formation, diameter 6 inches, depth 425 feet, cased to 403. Land-surface datum is 5,272.8 feet above msl. Highest water level 146.29 below lsd, Dec. 1, 1950; lowest 150.48 below lsd, Sept. 23, 1954. Records available: 1948-55. Apr. 13, 150.41; Sept. 29, 149.79.

A-3-3-25bb. U. S. Bureau of Reclamation. Drilled unused water-table well in alluvium, diameter 3 inches, depth 28 feet, perforations 0-28. Land-surface datum is 5,150.8 feet above msl. Highest water level 8.45 below lsd, Sept. 29, 1955; lowest 13.67 below lsd, Apr. 24, 1953. Records available: 1951-55. Apr. 13, 13.62; Sept. 29, 8.45.

A-4-2-35cc. U. S. Bureau of Reclamation. Drilled unused water-table well in alluvium, diameter 3 inches, depth 20 feet, perforations 0-20. Land-surface datum is 5,393.7 feet above msl. Highest water level 5.95 below lsd, Oct. 1, 1951; lowest 13.20 below lsd, Apr. 28, 1951. Records available: 1951-55. Apr. 13, 9.24; Sept. 29, 7.86.

A-4-3-18cb. U. S. Bureau of Reclamation. Drilled unused water-table well in alluvium, diameter 3 inches, depth 27 feet, perforations 0-27. Land-surface datum is 5,340.0 feet above msl. Highest water level 4.47 below lsd, Aug. 27, 1951; lowest 22.16 below lsd, Nov. 27, 1951. Records available: 1951-55. Apr. 13, 15.72; Sept. 29, 6.70.

B-3-1-15dc. T. P. Haslin. Dug unused water-table well in alluvium, diameter 36 inches, depth 17 feet, cased to 17. Land-surface datum is 5,490.29 feet above msl. Highest water level 5.76 below lsd, July 31, 1951; lowest 15.48 below lsd, Feb. 28, 1952. Records available: 1949-55. Apr. 13, 14.78; Sept. 29, 11.42.

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, 1949-55. Apr. 18, 16.24; Oct. 3, 15.97.

19-61-4cdd. Hugh Stemler. Drilled irrigation water-table well in alluvium, diameter 4 feet, depth 33 feet, cased to 33. Land-surface datum is 4,557.3 feet above msl. Highest water level 4.07 below lsd, June 4, 1949; lowest 9.03 below lsd, Mar. 23, 1951. Records available: 1943, 1948-55. Apr. 18, 8.48; Oct. 3, 7.78.

19-62-2add. Edward Krohn. Drilled unused water-table well in siltstone of Brule formation, diameter 4 inches, depth 92 feet. Land-surface datum is 4,683.6 feet above msl. Highest water level 57.23 below lsd, Mar. 28, 1952; lowest 58.58 below lsd, May 3, 1943. Records available: 1943, 1949-55. Apr. 18, 57.35; Oct. 3, 57.89.

19-62-26dba. F. E. Jones. Drilled stock water-table well in siltstone of Brule formation, diameter 5 inches, depth 42 feet. Highest water level 22.54 below lsd, Apr. 1, 1949; lowest 28.61 below lsd, Jan. 30, 1952. Records available: 1948-55. Apr. 18, 24.04; Oct. 3, 26.88.

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 32.00 below lsd, Apr. 18, 1955. Records available: 1943, 1949-55. Apr. 18, 32.00; Oct. 3, 30.57.

22-62-13bbb. Samuel Garrett. Drilled unused artesian well in sandstone of Lance formation, diameter 5 inches, depth 148 feet. Highest water level 31.03 below lsd, Aug. 30, 1949; lowest 44.47 below lsd, Nov. 29, 1949. Records available: 1948-55. Apr. 18, 42.58; Oct. 3, 43.01.

23-60-10aad. French Ditch Irrigation Co. Drilled irrigation water-table well in sand and gravel of alluvium, diameter 24 inches, depth 50 feet. Land-surface datum is 4,030.8 feet above msl. Highest water level 5.94 below lsd, Sept. 27, 1950; lowest 8.15 below lsd, Apr. 18, 1955. Records available: 1950-55. Apr. 18, 8.15; Oct. 3, 7.87.

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: 1948-55. Apr. 18, 14.64; Oct. 3, 12.98.

24-60-27cdd. Edgar Ginter. Drilled domestic and stock water-table well in sandstone of Chadron formation, diameter 6 inches, depth 73 feet, cased to 35. Land-surface datum is 4,185.1 feet above msl. Highest water level 7.90 below lsd, Sept. 22, 1952; lowest 23.30 below lsd, June 9, 1954. Records available: 1948-55. Apr. 18, 20.60; Oct. 3, 20.42.

24-61-5cbc. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of alluvium, diameter 1 inch, depth 27 feet, cased to 27. Highest water level 19.34 below lsd, Sept. 26, 1952; lowest 26.20 below lsd, Apr. 18, 1955. Records available: 1951-55. Apr. 18, 26.20; Oct. 3, 20.93.

24-61-10cdc. St. Joseph's Orphanage. Dug irrigation water-table well in sand and gravel of alluvium, diameter 7 feet, depth 36 feet, cribbed with concrete. Land-surface datum is 4,098 feet above msl. Highest water level 18.45 below lsd, Sept. 25, 1952; lowest 21.48 below lsd, Apr. 18, 1955. Records available: 1948-55. Apr. 18, 21.48; Oct. 3, 20.26.

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: 1948-55. Apr. 18, 11.62; Oct. 3, 10.45.

24-62-25ccb. U. S. Geol. Survey. Driven observation water-table well in silt, diameter $\frac{1}{2}$ inch, depth 14 feet, cased to 14. Land-surface datum is 4,151.5 feet above msl. Highest water level 2.87 below lsd, Sept. 13, 1949; lowest dry at 12.20, Apr. 18, 1955. Records available: 1949-55. Apr. 18, dry at 12.20.

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 51.40 below lsd, Apr. 18, 1955. Records available: 1943, 1948-52, 1954-55. June 9, 1954, 49.18; Apr. 18, 1955, 51.40; Oct. 3, 50.55.

25-62-19aac. Lester C. Stroud. Drilled irrigation water-table well in gravel of alluvium, diameter 18 inches, depth 83 feet, cased to 83. Land-surface datum is 4,172.4 feet above msl. Highest water level 18.07 below lsd, Sept. 26, 1952; lowest 26.31 below lsd, Apr. 18, 1955. Records available: 1948-53, 1955. Apr. 18, 26.31; Oct. 3, 22.32.

25-62-36cad. W. W. Weckwerth. Driven irrigation water-table well in sand and gravel of alluvium, diameter $1\frac{1}{2}$ inches, depth 10 feet. Land-surface datum is 4,116.3 feet above msl. Highest water level 2.77 below lsd, Sept. 26, 1952; lowest 9.00 below lsd, Apr. 18, 1955. Records available: 1948-53, 1955. Apr. 18, 9.00; Oct. 3, 6.04.

25-63-9ccb. Emery Bright. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 61 feet. Land-surface datum is 4,196.8 feet above msl. Highest water level 16.34 below lsd, Sept. 26, 1952; lowest 23.82 below lsd, May 30, 1950. Records available: 1943, 1948-55. Apr. 18, 23.55; Oct. 3, 20.79.

25-63-22aab. Greenwald Estate. Drilled irrigation water-table well in sand and gravel of alluvium, diameter 18 inches, depth 60 feet. Land-surface datum is 4,177.2 feet above msl. Highest water level 13.96 below lsd, Sept. 26, 1952; lowest 20.65 below lsd, Apr. 17, 1951. Records available: 1948-53. No measurement made in 1955.

26-62-14bba. Arthur Damrow. Drilled irrigation water-table well in gravel of alluvium, diameter 18 inches, depth 62 feet, cased to 62. Highest water level 12.09 below lsd, Sept. 26, 1952, Sept. 9, 1953; lowest 13.63 below lsd, Dec. 8, 1948. Records available: 1948-55. Apr. 18, 12.40; Oct. 3, 12.17.

26-63-32dac. Joseph Spikner. Drilled irrigation water-table well in gravel of alluvium, diameter 18 inches, depth 80 feet, cased to 80. Land-surface datum is 4,204.6 feet above msl. Highest water level 17.97 below lsd, Sept. 26, 1952; lowest 24.71 below lsd, Apr. 18, 1955. Records available: 1948-55. Apr. 18, 24.71; Oct. 3, 21.49.

26-64-28bbb. National Park Service. Drilled domestic water-table well in gravel of alluvium, diameter 18 inches, depth 29 feet, cased to 29. Highest water level 13.99 below lsd, June 21, 1952; lowest 17.10 below lsd, Nov. 29, 1949. Records available: 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	16.03	Apr. 23	16.17	July 20	15.54	Oct. 21	16.06
Feb. 22	15.99	May 21	16.04	Aug. 20	15.19	Nov. 21	16.09
Mar. 19	16.04	June 21	15.83	Sept. 20	15.00	Dec. 21	16.15

26-64-29ada. National Park Service. Dug observation water-table well in sand and gravel of alluvium, diameter 36 inches, depth 43 feet, cribbed with rock. Highest water level 16.12 below lsd, July 10, 1947; lowest 19.17 below lsd, Feb. 20, 1954. Records available: 1942-43, 1946-55.

26-64-29ada--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	18.10	Apr. 23	18.30	July 20	17.96	Oct. 21	18.15
Feb. 22	18.23	May 21	18.29	Aug. 20	17.74	Nov. 21	17.99
Mar. 19	18.25	June 21	18.28	Sept. 20	17.90	Dec. 21	18.00

26-65-11baa. U. S. Bureau of Reclamation. Drilled domestic water-table well in gravel of alluvium, diameter 6 inches, depth 28 feet. Land-surface datum is 4,270.8 feet above msl. Highest water level 12.19 below lsd, July 21, 1950; lowest 20.17 below lsd, Jan. 29, 1952. Records available: 1948-55. Apr. 18, 16.67; Oct. 3, 16.64.

Hot Springs County

A-8-4-10dcc. U. S. Geol. Survey. Jetted unused water-table well in alluvium, diameter $\frac{3}{4}$ inch, depth 15 feet, screen 14-15. Land-surface datum is 4,780.2 feet above msl. Highest water level 9.23 below lsd, May 31, July 30, 1951; lowest 13.30 below lsd, Sept. 29, 1955. Records available: 1951-55. Apr. 12, 11.63; Sept. 29, 13.30.

A-9-1-36ccc. D. B. Whetstone. Drilled unused water-table well in alluvium, diameter 28 inches, depth 21 feet, cased to 21. Land-surface datum is 5,764.6 feet above msl. Highest water level 6.30 below lsd, May 13, 1947; lowest 8.75 below lsd, Sept. 22, 1954. Records available: 1946-55. Apr. 12, 8.24; Sept. 29, 8.69.

A-9-2-35aaa. Arapahoe Ranch. Drilled water-table well in sand and gravel of alluvium, diameter 10 inches. Highest water level 4.26 below lsd, June 30, 1947; lowest 14.19 below lsd, Sept. 29, 1955. Records available: 1945-52, 1955.

Aug. 10, 1945	10.55	Sept. 26, 1947	10.40	Sept. 27, 1949	12.52	Feb. 27, 1951	11.74
Apr. 2, 1946	10.77	Oct. 28	11.08	Oct. 28	12.41	Mar. 30	11.91
May 3	10.51	Nov. 19	11.02	Nov. 30	12.03	Apr. 26	11.99
June 4	10.35	July 21, 1948	7.75	Dec. 28	11.99	May 31	11.58
July 3	9.51	Aug. 22	10.23	Jan. 25, 1950	11.81	June 29	8.69
29	11.02	Sept. 26	11.49	Feb. 24	11.67	July 30	10.71
Sept. 10	11.93	Nov. 4	11.58	Mar. 29	11.99	Sept. 4	11.78
Oct. 15	11.62	28	11.58	May 8	11.63	Oct. 1	12.17
Nov. 7	11.35	Dec. 17	11.47	31	11.56	Nov. 5	11.96
Dec. 6	11.44	Jan. 21, 1949	11.25	July 5	11.63	Dec. 12	11.98
Jan. 15, 1947	11.40	Feb. 25	10.98	28	12.14	Jan. 3, 1952	11.90
Feb. 6	11.26	Apr. 4	11.08	Aug. 30	12.23	30	11.84
Mar. 12	11.24	28	5.73	Sept. 26	12.55	Feb. 29	11.97
Apr. 15	9.73	May 26	9.87	Oct. 31	12.42	Apr. 4	12.07
May 13	9.64	June 30	10.40	Nov. 29	12.24	May 6	10.64
June 30	4.26	July 30	11.36	Dec. 28	12.10	Apr. 12, 1955	12.25
July 30	6.53	Aug. 30	12.08	Jan. 30, 1951	11.97	Sept. 29	14.19
Aug. 28	9.96						

43-96-7ccc. U. S. Geol. Survey. Jetted unused water-table well in terrace deposits, diameter $\frac{3}{4}$ inch, depth 12 feet, screen 11-12. Land-surface datum is 4,921.9 feet above msl. Highest water level 2.44 below lsd, June 29, 1951; lowest dry at 11.60, Apr. 12, 1955. Records available: 1951-55. Apr. 12, dry at 11.60.

43-96-14bda. Leonard Thornton. Drilled unused artesian well, diameter 6 inches, depth 44 feet. Land-surface datum is 4,698.6 feet above msl. Highest water level 15.53 below lsd, July 30, 1947; lowest 30.55 below lsd, Sept. 29, 1955. Records available: 1946-55. Apr. 12, 30.55, water in nearby ditch; Sept. 29, 30.55.

Laramie County

12-61-3abb. H. E. Anderson. Drilled irrigation water-table well in gravel of terrace deposits, diameter 24 inches, depth 110 feet, cased to 110. Highest water level 31.08 below lsd, Dec. 4, 1950; lowest 35.20 below lsd, Apr. 3, 1953. Records available: 1945-54. No measurement made in 1955.

12-63-3baa. Roy L. Gasurant. Dug unused water-table well in siltstone of Brule formation, diameter 8 feet, depth 49 feet, cribbed partly with wood. Land-surface datum is 5,411.6 feet above msl. Highest water level 40.31 below lsd, May 31, 1950; lowest 47.92 below lsd, Aug. 28, 1942. Records available: 1942-55. May 4, 47.58; Oct. 18, 47.32.

13-60-8cbb. Herbert Campbell. Drilled irrigation water-table well in siltstone of Brule formation, diameter 20 inches, depth 78 feet. Land-surface datum is 5,126.4 feet above msl. Highest water level 25.88 below lsd, Apr. 1, 1952; lowest 51.05 below lsd, Oct. 8, 1954. Records available: 1940-55. Oct. 18, 38.32.

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: 1940-55. May 4, 36.99; Oct. 18, 38.38.

13-68-3bba. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 10 to 8 inches, depth 187 feet, cased to 181. Land-surface datum is 6,555.5 feet above msl. Highest water level 77.59 below lsd, June 27, 1945; lowest 115.18 below lsd, Oct. 6, 1955. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	110.92	Mar. 31	109.34	May 28	110.43	Oct. 6	115.18
Mar. 2	110.80	Apr. 28	108.94	Aug. 4	115.02	28	114.85

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. Highest water level 71.79 below lsd, May 29, 1944; lowest 112.94 below lsd, Dec. 29, 1954. Records available: 1944-55.

Jan. 28	112.58	Apr. 28	108.15	Aug. 1	112.29	Oct. 28	111.51
Mar. 2	108.85	May 28	108.94	Sept. 2	112.25	Dec. 1	111.50
31	108.20	July 1	110.54	29	111.15	29	112.35

13-68-4acd. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 10 to 8 inches, depth 255 feet, cased to 248. Land-surface datum is 6,596.0 feet above msl. Highest water level 98.23 below lsd, Mar. 23, 1945; lowest 133.80 below lsd, Dec. 9, 1955. Records available: 1944-55. Feb. 2, 128.93: Mar. 31, 128.15; Apr. 28, 127.55; Oct. 6, 131.92; Oct. 28, 132.41; Dec. 9, 133.80; Dec. 29, 132.13.

13-68-4cbd. City of Cheyenne. Drilled municipal water-table well in gravel of Ogallala formation, diameter 12 inches, depth 230 feet. Land-surface datum is 6,673.81 feet above msl. Highest water level 169.28 below lsd, Feb. 26, 1946; lowest 206.93 below lsd, Oct. 6, 1955. Records available: 1945-48, 1950-55.

Jan. 6	203.73	Mar. 31	201.57	Aug. 1	205.88	Dec. 1	205.57
28	202.38	Apr. 28	201.49	Oct. 6	206.93	29	205.86
Mar. 2	200.58	June 3	203.46	28	206.72		

13-68-4dcc. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 10 to 8 inches, depth 200 feet, cased to 184. Land-surface datum is 6,623.8 feet above msl. Highest water level 117.70 below lsd, Mar. 23, 1945; lowest 147.53 below lsd, Oct. 6, 1955. Records available: 1944-48, 1950-55.

Jan. 6	144.05	Apr. 8	142.51	Aug. 4	146.60	Dec. 1	145.35
28	141.98	28	142.95	Oct. 6	147.53	29	145.46
Mar. 2	141.05	June 3	144.05	28	147.14		

13-68-14cbd. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 10 inches, depth 210 feet. Land-surface datum is 6,560.8 feet above msl. Highest water level 41.89 below lsd, Sept. 17, 1945; lowest 61.30 below lsd, Nov. 4, 1955. Records available: 1945-55.

Jan. 30	59.44	Apr. 28	59.40	Sept. 2	60.82	Nov. 4	61.30
Apr. 8	59.64	July 1	59.66	29	60.48	Dec. 1	60.73

13-68-16dbd. City of Cheyenne. Drilled observation water-table well in gravel of Ogallala formation, diameter 10 to 8 inches, depth 300 feet. Land-surface datum is 6,641.9 feet above msl. Highest water level 104.16 below lsd, Nov. 30, 1949; lowest 126.70 below lsd, Dec. 29, 1955. Records available: 1949-55.

Jan. 30	122.46	Apr. 28	123.71	Sept. 2	125.14	Dec. 1	125.18
Mar. 2	122.95	June 1	123.98	29	125.05	29	126.70
Apr. 8	123.48	July 1	123.90	Nov. 4	125.64		

14-60-5bcc. C. C. Gross. Drilled irrigation water-table well in siltstone of Brule formation, diameter 20 inches, depth 100 feet. Highest water level 23.83 below lsd, June 16, 1949; lowest 36.44 below lsd, Sept. 4, 1950. Records available: 1943-55. May 4, 31.47; Oct. 18, 31.82.

14-60-11bcc1. M. L. Larson. Drilled irrigation water-table well in sand and gravel of alluvium, diameter 24 inches, 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: 1943-55. May 4, 16.58; Aug. 10, 17.36; Oct. 18, 17.31.

14-60-28bb. Herbert Campbell. Drilled irrigation water-table well in siltstone of Brule formation, diameter 20 inches, depth 96 feet. Land-surface datum is 5,092.4 feet above msl. Highest water level 20.08 below lsd, June 10, 1943; lowest 34.60 below lsd, Sept. 16, 1954. Records available: 1940-55. May 4, 30.68; Oct. 18, 31.09.

14-62-24ad. Union Pacific RR. 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: 1940-55. May 4, 30.60.

14-66-31bdd. City of Cheyenne. Drilled observation water-table well in sand and gravel of Ogallala formation, diameter 12 inches, depth 258 feet. Land-surface datum is 6,089 feet above msl. Highest water level 9.23 below lsd, Oct. 29, 1954; lowest 13.76 below lsd, Nov. 27, 1943. Records available: 1942-45, 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	12.57	May 6	12.43	Sept. 2	10.75	Dec. 12	11.29
Mar. 2	12.57	June 12	11.09	Oct. 4	11.01	29	12.40
31	12.48	July 1	10.22	29	11.71		

14-68-14cba. City of Cheyenne. Drilled observation water-table well in sand and gravel of alluvium, diameter 12 inches, depth 188 feet. Land-surface datum is 6,300 feet above msl. Highest water level 7.09 below lsd, Feb. 26, 1944; lowest 15.75 below lsd, Dec. 29, 1955. Records available: 1941-48, 1950-55.

Jan. 28	13.95	Apr. 28	13.09	Aug. 1	13.21	Oct. 29	15.43
Mar. 2	14.12	May 28	14.29	Sept. 2	14.30	Dec. 7	15.42
31	13.17	July 1	13.35	29	15.06	29	15.75

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 81.05 below lsd, Oct. 6, 1955. Records available: 1940-47, 1949-55.

Jan. 28	66.46	Apr. 28	67.25	Sept. 2	79.68	Oct. 28	71.40
Mar. 2	67.73	May 28	66.05	Oct. 6	81.05	Dec. 9	68.93
31	65.36	July 8	68.12				

14-68-25dda. City of Cheyenne. Drilled municipal water-table well in gravel of Ogallala formation, diameter 12 inches, depth 368 feet. Land-surface datum is 6,376.4 feet above msl. Highest water level 32.10 below lsd, Jan. 28, 1946; lowest 53.98 below lsd, Dec. 1, 1955. Records available: 1941-55.

Jan. 28	45.15	Mar. 31	48.95	May 28	47.85	Nov. 4	48.69
Mar. 2	51.54	Apr. 28	50.68	Sept. 2	42.10	Dec. 1	53.98

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 53.57 below lsd, Dec. 29, 1955. Records available: 1940-55.

Jan. 28	49.36	Apr. 28	48.84	Sept. 2	51.99	Dec. 9	52.47
Mar. 2	48.67	May 28	49.19	Nov. 4	52.02	29	53.57
31	48.00	July 8	50.65				

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 80.25 below lsd, Dec. 1, 1955. Records available: 1940, 1942-55.

Jan. 6	73.25	Mar. 31	69.85	Sept. 29	76.70	Dec. 1	80.25
Feb. 2	72.30	Apr. 28	71.65	Oct. 28	78.30	29	76.60

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 157.30 below lsd, Dec. 1, 1955. Records available: 1947-55.

Jan. 6	149.33	Mar. 31	149.50	Sept. 29	156.20	Dec. 1	157.30
28	149.54	Apr. 28	154.45	Oct. 28	156.20	29	156.52
Mar. 2	150.00	May 28	151.17				

14-68-33dcc. City of Cheyenne. Drilled municipal water-table well in gravel of Ogallala formation, diameter 10 inches, depth 225 feet. Land-surface datum is 6,634.00 feet above msl. Highest water level 139.34 below lsd, Apr. 28, 1947; lowest 179.20 below lsd, Sept. 29, 1955. Records available: 1945-48, 1950-55.

Jan. 6	176.59	Mar. 31	171.72	Sept. 29	179.20	Dec. 1	179.10
Feb. 2	176.57	Apr. 28	171.75	Oct. 28	178.78	29	177.10
Mar. 2	172.34	May 28	174.24				

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 69.18 below lsd, Dec. 1, 1955. Records available: 1940, 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	63.70	Mar. 31	57.15	Sept. 29	65.92	Dec. 1	69.18
Feb. 2	61.95	Apr. 28	61.25	Oct. 28	65.71	29	64.32
Mar. 2	60.18						

14-68-34ddd. City of Cheyenne. Drilled municipal water-table well in gravel of Ogallala formation, diameter 10 inches, depth 230 feet, cased to 224. Land-surface datum is 6,542.0 feet above msl. Highest water level 84.64 below lsd, Apr. 1, 1950; lowest 127.15 below lsd, Sept. 2, 1955. Records available: 1944-48, 1950-55.

Feb. 2	119.35	Mar. 31	114.27	May 28	116.14	Sept. 29	122.70
Mar. 2	118.93	Apr. 28	114.69	Sept. 2	127.15	Oct. 28	124.33

14-68-35cac. City of Cheyenne. Drilled municipal water-table well in gravel of Ogallala formation, diameter 12 inches, depth 235 feet. Land-surface datum is 6,516.8 feet above msl. Highest water level 74.18 below lsd, Sept. 24, 1945; lowest 110.82 below lsd, Nov. 4, 1955. Records available: 1945-55. Jan. 28, 110.56; Mar. 2, 104.70; Mar. 31, 101.88; Apr. 28, 103.15; May 28, 104.03; Nov. 4, 110.82.

14-68-36acc. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 10 inches, depth 188 feet, cased to 188. Land-surface datum is 6,409.1 feet above msl. Highest water level 17.54 below lsd, Oct. 16, 1941; lowest 43.59 below lsd, Sept. 23, 1952. Records available: 1941-55.

Feb. 2	40.70	Apr. 8	39.31	June 3	41.02	Sept. 29	41.58
Mar. 2	41.20	May 6	40.23	July 1	41.28	Nov. 4	41.40

14-68-36adb. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 12 inches, depth 152 feet. Land-surface datum is 6.365.5 feet above msl. Highest water level 8.58 below lsd, May 20, 1942; lowest 36.20 below lsd, Oct. 29, 1954. Records available: 1941-55.

Jan. 28	33.39	Apr. 8	33.15	May 28	32.28	Sept. 29	33.81
Mar. 2	35.33	May 6	33.00	July 1	31.27	Nov. 4	34.47

14-68-36bca. City of Cheyenne. Drilled municipal water-table well in sand and gravel of Ogallala formation, diameter 12 inches, depth 214 feet, cased to 193. Land-surface datum is 6,428.0 feet above msl. Highest water level 10.86 below lsd, June 10, 1941; lowest 62.04 below lsd, Aug. 29, 1952. Records available: 1941-55.

Feb. 2	46.40	Apr. 8	42.48	June 3	47.37	Sept. 29	47.99
Mar. 2	46.25	May 6	44.95	July 1	48.23	Nov. 4	46.94

18-67-28cac. Ernest Nimmo. Dug domestic water-table well in gravel of alluvium, diameter 6 feet, depth 50 feet, cribbed with rock. Highest water level 4.69 below lsd, Apr. 4, 1952; lowest 14.27 below lsd, Jan. 31, 1955. Records available: 1949-55. Jan. 31, 14.27; Apr. 1, 9.25; July 6, 7.38; Sept. 1, 9.95; Sept. 26, 11.74.

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 5.80 below lsd, June 23, 1955; lowest 9.81 below lsd, Apr. 22, 1955. Records available: 1942-43, 1946-55.

Jan. 12	9.59	Apr. 22	9.81	July 25	8.24	Oct. 25	8.88
Feb. 7	9.60	May 6	9.35	Aug. 16	6.42	Nov. 22	8.29
Mar. 17	9.25	June 23	5.80	Sept. 13	7.34	Dec. 12	9.26

29-87-33ca. State of Wyoming. Drilled observation water-table well in alluvium, diameter 2 inches, depth 9 feet, cased to 9. Highest water level 3.00 below lsd, June 21, 1950; lowest 9.19 below lsd, July 13, 1954. Records available: 1942-43, 1946-55.

Jan. 12	6.56	Apr. 22	6.24	July 25	5.87	Oct. 25	6.56
Feb. 7	6.47	May 6	5.88	Aug. 16	6.16	Nov. 22	6.60
Mar. 17	6.37	June 23	5.17	Sept. 13	6.48	Dec. 12	6.58

Platte County

23-68-7bcb. G. H. Rhoades. Dug unused water-table well in gravel of terrace deposits, diameter 4 feet, depth 11 feet, cribbed with wood to 11. Highest water level 2.85 below lsd, Mar. 19, 1953; lowest 10.24 below lsd, Nov. 23, 1955. Records available: 1948-55. Jan. 31, 9.50; Apr. 1, 6.00; May 27, 8.08; July 5, 8.33; Aug. 30, 9.60; Sept. 26, 9.82; Nov. 23, 10.24.

23-68-10ddd. School District. Drilled unused water-table well in gravel of terrace deposits, diameter 5 inches, depth 31 feet. Highest water level 11.03 below lsd, July 22, 1952; lowest 25.42 below lsd, Sept. 26, 1955. Records available: 1948-55. Jan. 31, 23.00; Apr. 1, 23.15; May 27, 23.46; July 5, 23.54; Aug. 30, 24.05; Sept. 26, 25.42; Nov. 23, 24.95.

23-68-19aba. L. L. Bowen. Dug and driven unused water-table well in gravel of terrace deposits, diameter 4 feet, depth 15 feet, cribbed with rock and steel. Highest water level 5.24 below lsd, June 23, 1952; lowest 15.82 below lsd, Nov. 23, 1955. Records available: 1948-55. Jan. 31, 13.30; Apr. 1, 14.10; May 27, 13.85; July 5, 14.32; Aug. 30, 15.06; Sept. 26, 15.54; Nov. 23, 15.82.

24-68-6abb. Verne Cook. Dug unused water-table well in gravel of terrace deposits, diameter 36 inches, depth 8.5 feet, cribbed with galvanized steel to 3. Highest water level 0.76 below lsd, July 24, 1951; lowest dry at 8.50, Sept. 24, Nov. 10, 1954. Records available: 1948-54. No measurement made in 1955.

24-68-19dcc. Homer Cochran. Drilled stock water-table well in sand and gravel of terrace deposits, diameter 6 inches, depth 20 feet. Highest water level 1.35 below lsd, July 24, 1950; lowest dry at 19.70, May 27, 1955. Records available: 1948-55. Jan. 31, 17.76; Apr. 1, 19.00; May 27, dry at 19.70.

25-67-27ccc. Lester Cobb. Drilled stock water-table well in undivided sediments of Tertiary age, diameter 6 inches, depth 150 feet. Highest water level 73.51 below lsd, Jan. 23, 1953; lowest 90.77 below lsd, Sept. 20, 1951. Records available: 1948-55. Jan. 31, 80.53; Aug. 30, 83.72; Nov. 23, 84.91.

25-67-31ccc. E. T. Hall. Dug and drilled domestic water-table well in gravel of terrace deposits, diameter 36 inches, depth 35 feet, cribbed with concrete. Highest water level 9.70 below lsd, June 23, 1952; lowest dry at 27.00, Aug. 30, 1955. Records available: 1948-55. Jan. 31, 23.02; Apr. 1, 24.13; May 27, 25.30; July 5, 24.62; Aug. 30, dry at 27.00; Nov. 23, 25.78.

27-68-30acc. M. L. Coleman. Drilled irrigation water-table well in sand and gravel of alluvium, diameter 4 inches, depth 22 feet, cased to 17. Highest water level 6.22 below lsd, June 23, 1952; lowest 10.47 below lsd, Sept. 20, 1954. Records available: 1948-52. Jan. 31, 10.05; Apr. 1, 8.89; May 27, 10.04; July 6, 10.25; Aug. 29, 9.29; Sept. 26, 10.28; Nov. 22, 10.00.

28-68-27abb. D. W. Brown. Drilled unused water-table well in sandstone of Brule formation, diameter 6 inches, depth 58 feet, cased to 12. Highest water level 22.64 below lsd, Mar. 27, 1951; lowest 31.18 below lsd, Sept. 16, 1949. Records available: 1949-55. Jan. 31, 29.45; Apr. 1, 26.57; May 27, 27.55; July 6, 27.52; Aug. 29, 26.39; Sept. 26, 29.02; Nov. 22, 28.46.

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: 1949-55. Jan. 31, 3.47; Apr. 1, 3.47; July 6, 3.54; Aug. 29, 3.72; Sept. 26, 3.62; Nov. 22, 3.45.

29-68-21bbb. Clark Coleman. Drilled stock water-table well in sandstone of Brule formation, diameter 6 inches, depth 94 feet, cased to 45. Highest water level 26.45 below lsd, May 26, 1952; lowest 38.94 below lsd, Apr. 1, 1955. Records available: 1948-55. Jan. 31, 38.92; Apr. 1, 38.94; May 27, 29.55; July 6, 28.62; Aug. 29, 30.41; Sept. 26, 30.85.

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: 1948-55. Jan. 31, 10.02; Apr. 1, 10.26; May 27, 8.68; July 6, 8.30; Aug. 29, 8.80; Sept. 26, 8.72; Nov. 22, 8.53.

Sublette County

35-111-8db. Robert Albert. Dug observation water-table well in alluvium, size 10 by 10 feet to 14 feet, 4 by 4 feet to 32 feet, depth 32 feet, cribbed with concrete to 32. Highest water level 20.92 below lsd, July 23, 1952; lowest 29.78 below lsd, May 12, 1945. Records available: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	28.71	Apr. 27	29.47	July 13	26.98	Oct. 17	25.45
Feb. 11	28.71	May 11	29.63	Aug. 5	25.32	Nov. 18	26.68
Mar. 15	29.11	June 9	29.16	Sept. 15	23.94	Dec. 14	27.37

U. S. GOVERNMENT PRINTING OFFICE : 1957 O - 416650