

# Water Levels and Artesian Pressure in Observation Wells in the United States in 1950

## Part 5. Northwestern States

*Prepared under the direction of C. G. PAULSEN, Chief Hydraulic Engineer*

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



**UNITED STATES DEPARTMENT OF THE INTERIOR**

**Oscar L. Chapman, *Secretary***

**GEOLOGICAL SURVEY**

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## PREFACE

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WATER LEVELS AND ARTESIAN PRESSURE  
IN OBSERVATION WELLS IN THE UNITED STATES  
IN 1950

Part 5. NORTHWESTERN

Introduction

By A. N. Sayre

The publication of records of water levels and artesian pressures annually in the United States was begun by the Geological Survey in 1935. Prior to 1940 the records were published in a single volume--1935, 777; 1936, 817; 1937, 840; 1938, 845; 1939, 886. Since 1940, records have been published in six volumes, covering the northeastern, southeastern, north-central, south-central, northwestern, and southwestern sections of the country. Hawaii is included in the southwestern section. The following table gives the numbers of water-level reports from 1940 through 1950.

Year	North-eastern (1)	South-eastern (2)	North-central (3)	South-central (4)	North-western (5)	South-western (6)
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	986	987	988	989	990	991
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028
1946	1071	1072	1073	1074	1075	1076
1947	1096	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161
1950	1165	1166	1167	1168	1169	1170

Ground-water investigations are concerned with the availability of usable water supplies, land drainage, flood control, construction of waterways and dams, mine drainage, and other problems to which the principles of ground-water hydrology are pertinent. Water levels in wells indicate the stages of the aquifers; they show the extent to which water supplies are depleted by drought or by heavy pumping, and the extent to which they are replenished in seasons of abundant rainfall or melting snow. The recorded changes of pressure in artesian wells also indicate depletion or replenishment of the artesian supplies.

This volume gives records of water levels and artesian pressures in observation wells in the northwestern States (Colorado, Idaho, Montana, Oregon, Utah, Washington, and Wyoming). Of the 1,317 wells listed, 47 are equipped with recording gages. Descriptive matter for some wells is given in previous reports. For wells not previously reported, complete records of water levels are given. For wells whose previous records have been published, this volume gives only the current records.

Before 1943, the water levels and artesian pressures for some wells were given in feet above or below the measuring points and for other wells in feet above or below sea level or above or below various assumed datum planes. In 1943, a precise datum plane was selected at each well which was approximately the land surface. The water levels and artesian heads for all wells listed in this volume are referred to land-surface datum. Water levels above this datum are preceded by a plus (+) sign, those below this datum have no sign but are understood to be minus (-), unless otherwise indicated.

Measurements of water levels and artesian pressures in wells were made under the direction of the district supervisors of the Ground Water Branch in the several States. Verda M. Dougherty edited the reports; Rodney Hart edited the illustrations; and Penn Livingston had general charge of the nation-wide observation-well program. This volume was typed by Betty-Jo Ebner.

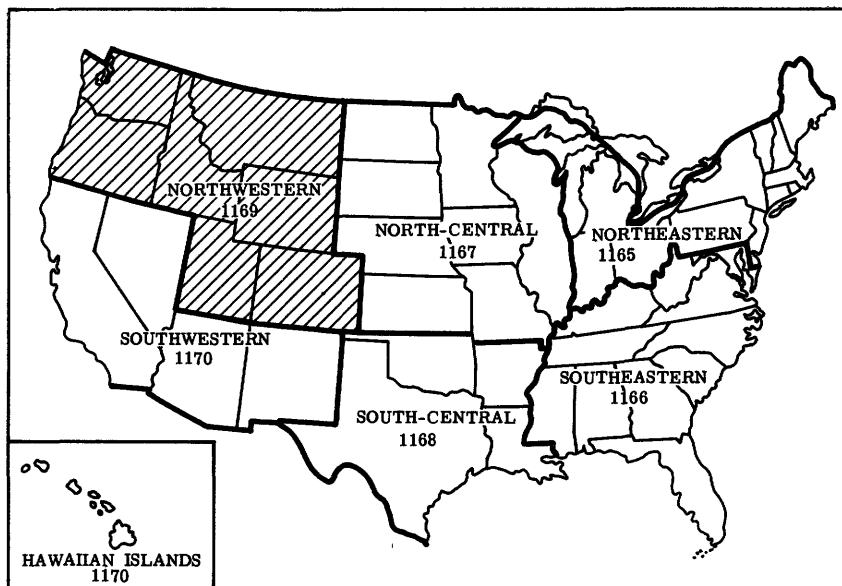


Figure 1. --Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressure in observation wells in 1950. The shaded area indicates the States included in this volume.



## COLORADO

By V. M. Burtis and W. E. Code

### Scope of Water-Level Program

The observation-well program in Colorado, begun in 1942, was continued in 1950 in cooperation with the State Water Conservation Board. Measurements were made in 215 wells, 3 of which are equipped with recording gages.

Reconnaissance ground-water studies were begun during 1950 in the Kansas River drainage area in the High Plains of eastern Colorado. Studies were continued in Huerfano County and were completed in the Grand Junction artesian basin, in the western part of San Luis Valley, and in the South Platte Valley between Hardin, Colo., and Paxton, Nebr. Studies of the Denver artesian basin were continued. The South Platte Valley and Kansas River Basin studies are a part of the Missouri Basin program.

### Precipitation

Precipitation was deficient except during the months of January, September, and November. The annual amount, 12.25 inches, was 4.28 inches below the 63-year average.

### Well-Numbering System

Colorado is subdivided under three principal meridian and base line systems: (1) the sixth principal meridian; (2) the New Mexico principal meridian; and (3) the Ute principal meridian. All of the wells described lie in the northwest (B) or southwest (C) quadrants of the area subdivided by the sixth principal meridian, whose four quadrants have been assigned the letters A to D lettered in counterclockwise direction from the northeast (A) quadrant through the southeast (D) quadrant. The letter forming the first segment of the number indicates the quadrant, the second the township, the third the range, and the fourth the section. The letters that make up the last segment indicate the position of the well in the section, the first letter indicating the quarter section, the second, the 40-acre tract within the quarter section, and the third, the 10-acre tract within the 40-acre tract. The quarters, 40-acre tracts, and 10-acre tracts are lettered from a to d in counterclockwise direction. A digit at the end of a number indicates a particular well of two or more in the same 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. Records available: 1945-50. Feb. 3, 24.31; Apr. 10, 24.01; May 22, 23.72; Oct. 17, 26.30; Dec. 14, 25.77.

C-1-60-17dcc. Carl Sanden. Records available: 1945-50. Feb. 3, 29.72; Apr. 10, 29.39; Dec. 14, 31.70.

C-1-60-29cbd. J. D. Singleton. Records available: 1945-50. Feb. 3, 31.45; Apr. 10, 31.74; Oct. 17, 34.43; Dec. 14, 32.70.

C-1-62-22dac. Charles B. Nordloh. Records available: 1945-50. Nov. 28, 44.79.

C-1-65-11cd. David Patton. Records available: 1947-50. Apr. 12, 14.40; Nov. 28, 15.37.

C-1-66-7cc. C. Hose. Records available: 1945-50. Apr. 11, 19.23; Nov. 28, 19.30.

C-1-66-19dc. A. B. Perry. Records available: 1945-50. Apr. 12, 31.58; Nov. 28, 33.13.

C-1-67-13db. Edward Schnute. Records available: 1945-50. Apr. 11, 21.11; Nov. 28, 21.83.

C-1-67-35cda. L. A. Ernst. Records available: 1945-50. Apr. 12, 20.18; Nov. 28, 21.63

C-2-60-19bcc. Oscar Helgeson. Records available: 1945-50. Apr. 10, 17.40; May 22, 18.02; Aug. 2, 16.68; Oct. 17, 17.07.

C-2-65-11dcd. Box Elder Farms. Records available: 1945-50. Apr. 12, 27.53; Nov. 28, 27.75.

C-2-65-14dcb. Box Elder Farms. Records available: 1945-50. Apr. 12, 13.17; Nov. 28, 13.67.

C-2-65-23dab. Box Elder Farms. Records available: 1945-50. Apr. 12, 14.13; Nov. 28, 15.87.

C-2-65-26dba. Box Elder Farms. Records available: 1945-50. Apr. 12, 17.67; Nov. 28, 20.57.

C-2-65-35dbb. Box Elder Farms. Records available: 1945-50. Nov. 28, 19.94.

C-2-65-35dcd. Box Elder Farms. Records available: 1945-50. Apr. 12, 16.35; Nov. 28, 19.48.

C-2-67-10dcd. Cora Wall. Records available: 1945-50. Apr. 12, 27.05; Nov. 28, 29.38.

C-2-67-20dcd. Charles Fadden. Records available: 1945-50. Apr. 12, 25.19; Nov. 28, 25.90.

C-3-65-23ddd. Jeff Drohan. Records available: 1945-50. Apr. 12, 16.85; Nov. 28, 18.90.

C-3-67-6dd. H. L. Swanson. Records available: 1945-50. Apr. 12, 18.49; Nov. 28, 19.10.

#### Arapahoe County

C-4-68-33cd. Frank Hornbuckle. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	10.68	May 3	9.29	Aug. 16	8.98	Oct. 27	8.98
Feb. 6	10.68	18	9.55	Sept. 17	10.66	Nov. 20	10.92
20	10.56	June 14	9.05	26	10.82	Dec. 8	11.19
Mar. 21	10.80	July 20	9.21	Oct. 10	10.22	21	11.32
Apr. 17	9.85	Aug. 3	9.89				

#### Baca County

C-29-42-10ad. Harold Walker. Records available: 1947-50.

Jan. 10	20.75	Apr. 12	20.67	July 13	20.76	Oct. 17	20.55
Feb. 8	20.70	May 4	20.64	Aug. 10	21.16	Nov. 17	20.36
Mar. 17	20.59	June 15	20.55	Sept. 17	20.73	Dec. 15	20.30

C-30-45-34ccc. C. J. Alfrey. Records available: 1947-50.

Jan. 10	87.18	Apr. 12	87.20	July 13	87.12	Sept. 15	87.08
Feb. 7	87.17	May 4	86.70	Aug. 10	87.14	Dec. 15	87.04
Mar. 17	87.60	June 15	87.15				

C-30-46-5ccc. R. K. Knight. Records available: 1947-50. Measurement discontinued after June 15, 1950. Jan. 10, 92.85; Feb. 8, 92.90; Mar. 17, 92.80; Apr. 12, 93.00; May 4, 92.60; June 15, 92.80.

C-30-46-17bc. Maude A. Rarex. Records available: 1947-50.

Jan. 10	11.09	Apr. 12	10.65	July 13	11.02	Oct. 17	10.48
Feb. 8	10.87	May 4	10.75	Aug. 10	10.84	Nov. 17	10.30
Mar. 17	10.69	June 15	11.46	Sept. 17	10.23	Dec. 15	10.10

## C-31-46-28bbc. Ethyl Taylor. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	133.55	Apr. 12	133.48	July 13	133.45	Oct. 17	133.30
Feb. 7	133.18	May 4	132.72	Aug. 10	133.20	Nov. 17	133.06
Mar. 17	133.19	June 15	133.14	Sept. 17	133.31	Dec. 15	133.27

## C-32-43-20aaa. H. F. Koelsch. Records available: 1947-50.

Jan. 10	86.46	Apr. 12	86.31	July 13	86.28	Nov. 17	85.89
Feb. 7	86.16	May 4	86.08	Aug. 10	86.15	Dec. 15	85.91
Mar. 17	86.25	June 15	86.17	Oct. 17	86.12		

## C-32-48-8ccb. S. D. Huff. Records available: 1947-50.

Jan. 10	193.31	Apr. 12	193.17	July 13	193.18	Nov. 17	192.75
Feb. 7	192.99	May 4	192.45	Sept. 15	192.84	Dec. 15	192.95
Mar. 17	192.96	June 15	192.86	Oct. 17	192.98		

## C-33-45-13dad. J. A. and M. W. Davis. Records available: 1947-50.

Jan. 10	79.09	Apr. 12	78.80	July 13	78.53	Nov. 17	77.96
Feb. 7	79.05	May 4	78.65	Sept. 15	78.35	Dec. 15	77.84
Mar. 17	78.81	June 15	78.60	Oct. 17	78.24		

## C-35-45-7db. G. S. Shaw. Records available: 1947-50.

Jan. 10	169.71	Apr. 12	169.40	July 13	169.40	Oct. 17	168.89
Feb. 7	169.50	May 4	169.06	Aug. 10	169.15	Nov. 17	168.56
Mar. 17	169.17	June 15	169.30	Sept. 15	168.59	Dec. 15	168.80

Elbert County

## C-9-57-8abb. J. C. Mattson. Records available: 1946-50.

Feb. 6	6.05	May 3	5.99	Aug. 15	5.80	Nov. 16	6.43
Mar. 16	6.05	June 14	6.46	Sept. 19	6.38	Dec. 18	6.39
Apr. 11	6.02	July 12	6.79	Oct. 18	6.52		

## C-9-58-34ccb. Heber Ellsworth. Records available: 1946-50.

Feb. 6	13.32	May 3	12.71	Sept. 19	13.30	Nov. 16	12.87
Mar. 16	13.04	July 12	16.27	Oct. 18	12.91	Dec. 18	12.87
Apr. 11	12.76						

C-10-59-13ca. John Kochis. Records available: 1946-50. Discontinued after July 12, 1950. Feb. 6, 11.00; Mar. 16, 11.06; Apr. 11, 11.08; May 3, 11.10; June 14, 11.32; July 12, 11.67.

## C-10-59-22ab. William Groff. Records available: 1946-50.

Feb. 6	11.83	Apr. 11	11.72	July 12	12.82	Nov. 16	12.43
Mar. 16	11.73	May 3	11.63	Sept. 19	12.29	Dec. 18	12.10

## C-10-60-26cd. Simla Cemetery. Records available: 1946-50.

Feb. 6	24.64	May 3	24.58	Aug. 15	25.15	Nov. 16	25.75
Mar. 16	24.47	June 14	24.83	Sept. 19	25.35	Dec. 18	25.32
Apr. 11	24.48	July 12	25.14	Oct. 18	26.90		

El Paso County

## C-11-62-22ad. Anthony Eurich. Records available: 1946-50.

Feb. 6	6.75	May 3	6.80	Aug. 15	7.44	Nov. 16	7.32
Mar. 16	6.80	June 14	7.90	Sept. 19	7.29	Dec. 18	7.30
Apr. 11	6.84	July 12	7.16				

C-15-66-11cbd. Venetucci Bros. Records available: 1945-50. Apr. 5, 38.24; Nov. 10, 38.65.

C-15-66-14abd2. T. L. Bender. Records available: 1948-50. Apr. 5, 23.50; Nov. 10, 24.19.

C-15-66-25aaa. W. E. Busch. Records available: 1945-50. Apr. 5, 30.06; Nov. 10, 30.84.

C-16-65-16bb. L. F. Oldenstaadt. Records available: 1945-50. Apr. 5, 33.44; Nov. 10, 38.20.

#### Garfield County

C-7-88-29ab. J. F. Smith. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	35.89	Apr. 14	35.32	July 18	27.60	Oct. 7	31.89
Feb. 11	34.50	May 4	34.17	Aug. 14	26.87	Nov. 24	34.57
Mar. 10	35.98	June 7	31.59	Sept. 14	29.20	Dec. 14	35.17

#### Huerfano County

C-25-67-25acb. Apache School. Records available: 1950.

Feb. 6	21.71	May 3	21.98	Sept. 26	23.15	Nov. 20	23.13
Mar. 16	21.83	June 14	22.53	Oct. 23	23.51	Dec. 13	23.00
Apr. 12	21.93	July 11	22.94				

C-26-67-25cad. Eugene Ellis. Records available: 1950.

Feb. 6	7.67	May 3	7.55	Sept. 26	8.60	Nov. 20	8.61
Mar. 16	7.25	June 14	8.32	Oct. 23	8.94	Dec. 13	8.47
Apr. 12	7.40	July 11	8.09				

C-27-64-8ccb. Mr. Shaefer. Records available: 1950.

Feb. 7	84.79	May 3	84.47	Aug. 29	84.67	Nov. 20	84.68
Mar. 16	84.77	June 14	84.79	Sept. 26	84.14	Dec. 14	84.72
Apr. 12	85.28	July 11	84.47	Oct. 23	84.74		

C-27-66-36acc. Charles Corsentino. Records available: 1950. Sept. 1, 13.81; Sept. 26, 14.47; Oct. 23, 15.01; Nov. 20, 15.37; Dec. 14, 15.54.

C-27-67-36aca. Mr. Faris. Records available: 1950.

Feb. 7	44.15	May 3	44.64	July 11	46.65	Nov. 20	45.76
Mar. 16	44.38	June 14	46.22	Aug. 29	45.31	Dec. 14	45.87
Apr. 12	44.54						

C-27-68-4cbc. Mrs. Thorn. Records available: 1950. Dec. 13, 22.77.

C-28-66-15bcc. Henry Meyer. Records available: 1950. Oct. 23, 24.83; Nov. 20, 24.82; Dec. 14, 24.73.

#### Larimer County

B-5-68-17abb. George Peak. Records available: 1945-50. Apr. 11, 12.75; Nov. 27, 9.43.

B-6-68-1ba. M. J. Warner. Records available: 1945-50. Apr. 21, 10.81; Nov. 29, 11.37.

B-7-68-5cb. Milton E. Payne. Records available: 1950. May 1, 27.82; Nov. 30, 27.37.

B-7-68-10cbb. Drake Estate. Records available: 1945-50. May 1, 6.20; Nov. 30, 6.14.

B-7-68-22bbb. Ray Pitcher. Records available: 1945-50. Apr. 21, 6.35; Nov. 29, 5.91.

- B-7-68-23cbb. W. A. Scott. Records available: 1945-50. Apr. 21, 6.98; Nov. 29, 6.88.
- B-8-68-4bba. A. Heckman. Records available: 1945-50. May 1, 28.28; Nov. 30, 31.96.
- B-8-68-10cbb. A. L. Bee. Records available: 1945-50. May 1, 19.94; Nov. 30, 23.97.
- B-8-68-16aa. R. E. Nutter. Records available: 1945-50. May 1, 23.59; Nov. 30, 25.46.
- B-8-68-22cbb. J. E. Swansen. Records available: 1945-50. May 1, 12.60; Nov. 30, 14.61.
- B-8-68-27cbb. A. L. Seamans. Records available: 1945-50. May 1, 14.42; Nov. 30, 15.18.
- B-8-68-28aab. F. L. Bartels. Records available: 1945-50. May 1, 10.08; Nov. 30, 11.75.
- B-8-68-33ccc. F. C. Kluver. Records available: 1945-50. May 1, 14.70; Nov. 30, 15.31.
- B-9-68-17ab. Harlan Seaworth. Records available: 1945-50. Nov. 30, 45.75.
- B-9-68-27ba. John Wagner. Records available: 1949-50. May 1, 28.00; Nov. 30, 27.06.
- B-9-68-28bbb. E. F. Meedel. Records available: 1945-50. May 1, 21.10; Nov. 30, 22.10.
- B-9-68-33bdc. J. Weisshaar. Formerly W. E. Dalby. Records available: 1945-50. May 1, 30.23; Nov. 30, 31.97.

Logan County

- B-7-53-21bc. Hessler Bros. Records available: 1945-50. Feb. 7, 13.84; Apr. 12, 14.17; May 26, 13.95; Oct. 18, 14.32; Dec. 2, 13.52.
- B-7-53-23bbb. William Nisson. Records available: 1945-50. Feb. 7, 28.60; Apr. 12, 30.09; May 26, 29.44; Aug. 4, 26.10; Oct. 20, 25.67; Dec. 7, 26.94.
- B-7-53-26ab. Ben Fisher. Records available: 1945-50. Feb. 7, 9.80; Apr. 12, 9.93; May 26, 10.25; Aug. 4, 8.97; Oct. 20, 9.36; Dec. 7, 9.79.
- B-7-54-12bc. John Amen. New observation well replacing B-7-54-12cb destroyed in 1948. Records available: 1950. Feb. 7, 11.47; Apr. 12, 11.11; May 26, 13.27; Aug. 4, 11.85; Oct. 18, 12.19; Dec. 2, 11.88.
- B-8-52-10acc. G. A. Henderson. Records available: 1945-50. Feb. 7, 5.81; Apr. 12, 5.67; May 31, 3.53; Aug. 4, 4.07; Oct. 20, 4.76; Dec. 7, 4.55.
- B-8-52-17cbb. Joseph Willson. Records available: 1945-50. Feb. 7, 18.79; Apr. 12, 19.25; May 31, 18.01; Aug. 4, 17.05; Oct. 20, 16.55; Dec. 7, 17.70.

Morgan County

- B-1-55-18bcc. R. H. Awmiller. Records available: 1945-50. Feb. 6, 41.36; Apr. 6, 41.00; May 31, 42.30; Aug. 7, 44.50; Oct. 16, 44.23; Dec. 4, 43.41.
- B-1-55-31dac. James Bolinger. Records available: 1945-50. Feb. 6, 36.00; Dec. 4, 36.70.
- B-1-56-1dc. Mrs. W. Shaw. Records available: 1945-50. Feb. 6, 39.86; Apr. 6, 39.35; May 31, 42.39; Oct. 16, 42.80; Dec. 4, 41.91.
- B-1-60-12cc. Anna Hogan. Records available: 1947-50. Feb. 1, 35.27; Apr. 10, 34.39; May 22, 37.30; Dec. 14, 39.89.

B-1-60-23bcc. Louis Westhoff. Records available: 1945-50. Feb. 3, 17.07; Apr. 10, 16.98; Oct. 17, 22.32; Dec. 14, 19.90.

B-1-60-27dd. Paul Wells. Records available: 1947-50. Feb. 3, 20.83; Apr. 10, 20.83; Dec. 14, 21.94.

B-2-55-30bc-1. Jacob Bickert. Records available: 1945-50. Feb. 6, 22.91; Apr. 6, 22.61; May 31, 24.06; Oct. 16, 25.95; Dec. 4, 25.17.

B-2-56-1dd-3. G. A. Foiles. Records available: 1945-50. Feb. 6, 14.48; Apr. 6, 14.25.

B-2-56-13aa-2. J. L. Hunt. Records available: 1945-50. Feb. 6, 8.89; Apr. 6, 9.54; May 31, 11.04; Aug. 7, 14.55; Oct. 16, 13.23; Dec. 4, 12.14.

B-2-56-24dd-2. Max Peterson. Records available: 1945-50. Feb. 6, 19.87; Apr. 6, 19.46; May 31, 20.54; Aug. 7, 22.05; Oct. 16, 22.39; Dec. 4, 21.69.

B-2-60-4ddd. William Reck. Records available: 1945-50. Feb. 1, 56.79; Apr. 10, 56.70; May 22, 55.60; Oct. 14, 59.26; Dec. 9, 58.25.

B-2-60-13dd. C. A. Bresnahan. Records available: 1945-50. Feb. 1, 50.54; Apr. 10, 50.17; May 22, 50.92; Oct. 17, 54.84; Dec. 14, 53.08.

B-2-60-26dd. R. A. Baer. Records available: 1945-50. Feb. 1, 62.69; Apr. 10, 62.73; May 22, 61.53; Oct. 17, 68.68; Dec. 14, 67.22.

B-3-56-7cb. Jacob Lenhardt. Records available: 1945-50. Feb. 1, 25.92; Apr. 18, 27.23; June 6, 27.75; Oct. 16, 27.76; Dec. 9, 27.64.

B-3-56-24bb. Charles Henry. Records available: 1945-50. Feb. 6, 4.60; Apr. 6, 4.70; May 31, 4.90; Aug. 7, 7.86; Oct. 16, 7.00; Dec. 4, 6.05.

B-3-57-6dc. City of Fort Morgan. Records available: 1945-50.

Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	43.37	43.66	44.04	.....	45.10	45.22	45.70	46.29	.....	47.45	46.74	45.78
2	43.34	43.68	44.05	.....	45.13	45.27	45.69	46.30	.....	47.38	46.68	.....
3	43.35	43.68	44.06	.....	45.17	45.27	45.65	46.33	.....	47.34	46.64	.....
4	43.38	43.69	44.08	.....	45.19	45.28	.....	46.30	.....	47.30	46.61	.....
5	43.40	43.70	44.08	44.55	45.16	45.32	.....	46.36	.....	47.27	46.55	.....
6	43.42	43.71	44.09	44.57	45.13	45.37	45.55	46.39	.....	.....	46.50	.....
7	43.42	43.74	44.11	44.59	45.12	45.43	45.60	46.43	47.51	.....	46.45	.....
8	43.38	43.76	44.12	44.60	45.10	45.47	45.60	46.46	47.54	.....	46.40	.....
9	43.43	43.77	44.14	44.63	45.11	45.50	45.63	46.50	47.59	.....	46.37	.....
10	43.45	43.77	44.14	44.65	45.10	45.54	45.68	46.53	47.55	.....	46.25	.....
11	43.43	43.79	44.15	44.69	45.05	45.58	45.72	46.57	47.54	.....	46.24	.....
12	43.44	43.80	44.16	44.75	45.02	45.61	45.73	46.61	47.52	.....	46.20	.....
13	43.44	43.82	44.17	44.77	45.08	45.64	45.75	46.62	47.50	.....	46.20	.....
14	43.44	43.83	44.18	44.80	45.08	45.65	45.79	46.65	47.48	.....	46.18	.....
15	43.46	43.85	44.20	44.83	45.10	45.70	45.83	46.70	47.50	.....	46.13	.....
16	43.48	43.85	44.20	44.83	45.10	45.65	45.84	46.73	47.50	.....	46.10	.....
17	43.50	43.86	44.21	44.83	45.17	45.55	45.87	46.78	47.48	.....	.....	.....
18	43.50	43.88	44.24	44.86	45.19	45.54	45.92	46.82	47.48	47.13	.....	.....
19	43.52	43.88	44.24	44.86	45.19	45.50	45.95	46.87	47.60	47.12	.....	.....
20	43.52	43.89	44.26	44.89	45.19	45.48	46.00	46.83	47.58	47.10	46.03	.....
21	43.52	43.90	44.28	44.93	45.19	45.48	46.03	46.87	47.54	47.09	46.02	.....
22	43.52	43.91	44.30	44.97	45.21	45.51	46.08	46.90	47.53	47.08	45.99	.....
23	43.53	43.93	44.33	45.00	45.26	45.54	46.09	46.95	47.57	47.03	45.99	.....
24	43.54	43.95	44.33	45.02	45.29	45.58	46.10	47.00	47.57	47.00	.....	.....
25	43.58	43.99	44.33	45.05	45.27	45.60	46.15	47.02	47.53	46.94	.....	.....
26	43.59	43.98	44.35	45.08	45.19	45.62	46.18	47.03	47.48	46.91	.....	45.60
27	43.59	44.00	44.38	45.10	45.10	45.66	46.21	47.00	47.48	46.90	45.87	45.62
28	43.60	44.02	44.40	45.10	45.10	45.68	46.22	47.04	47.46	46.87	45.86	45.62
29	43.60	.....	44.42	45.10	45.09	45.63	46.26	47.09	47.50	46.85	45.83	45.63
30	43.63	.....	44.44	45.06	45.10	45.65	46.20	47.10	47.50	46.80	45.79	45.66
31	43.63	.....	44.46	.....	45.15	.....	46.26	47.15	.....	46.78	.....	45.66

B-3-57-7cc. Fred Kembel, Sr. Records available: 1945-50. Feb. 2, 45.94; Apr. 7, 46.52; Oct. 16, 50.75; Dec. 14, 51.35.

B-3-57-30bb. Hanna & Gelroth. Records available: 1945-50. Dec. 16, 15.86.

B-3-58-8cb. H. W. Clatworthy. Records available: 1945-50. Feb. 2, 49.35; Apr. 10, 50.79; May 24, 51.43; Aug. 3, 50.98; Oct. 17, 51.25; Dec. 9, 51.49.

B-3-58-11bc. Alix Stark. Records available: 1945-50. Feb. 2, 53.74; Apr. 10, 54.35; Oct. 16, 59.69; Dec. 9, 57.69.

B-3-60-4dc. Carl Bretheuer. Records available: 1948-50. Feb. 3, 64.38; Apr. 5, 63.29; Oct. 12, 67.67; Dec. 9, 66.08.

B-3-60-13cd. Kroh Bros. Records available: 1946-50. Feb. 1, 56.84; Apr. 11, 56.83; Oct. 17, 59.63; Dec. 14, 58.43.

B-3-60-22cc. B. A. Holden. Records available: 1945-50. Feb. 1, 56.44; Apr. 10, 55.98; Oct. 14, 61.15; Dec. 9, 59.08.

B-3-60-32cba. L. W. Elstun. Records available: 1945-50. Feb. 1, 43.20; Apr. 10, 43.26; Oct. 14, 44.19; Dec. 9, 43.95.

B-4-55-9dcc. Rudolph & Schooley. Records available: 1945-50. Feb. 7, 16.47; Apr. 6, 16.69; May 26, 17.82; Oct. 18, 16.86; Dec. 7, 16.62.

B-4-55-18cc. H. Baumgardner. Records available: 1945-50. Feb. 6, 19.54; Apr. 6, 19.85; Aug. 4, 19.88; Oct. 18, 20.05.

B-4-56-23dc. Hansen Bros. Records available: 1945-50. Feb. 6, 18.33; Apr. 6, 19.84; May 26, 20.32; Aug. 4, 19.39; Oct. 16, 18.44; Dec. 7, 19.04.

B-4-60-34dc. M. J. Bauprez. Records available: 1946-50. Feb. 3, 70.42; Apr. 11, 69.10; Oct. 12, 78.08; Dec. 9, 78.55.

B-5-55-35dd. John Pabst. Records available: 1945-50. Feb. 7, 18.41; Apr. 12, 18.42; May 31, 18.50; Aug. 8, 18.72; Oct. 20, 18.49; Dec. 7, 18.20.

Otero County

C-22-58-21bd. C. Meyer. Records available: 1945-50. Nov. 10, 32.30.

C-22-59-16dca. C. J. Stauder. Records available: 1945-49. Measurement discontinued after Nov. 29, 1949.

C-22-59-17bd. W. H. Sauer. Records available: 1945-50. Nov. 10, 13.83.

C-22-59-17ccc. M. Simpson. Records available: 1945-50. Apr. 4, 17.78; Nov. 10, 18.88.

C-22-59-18ccc. M. C. Kesterson. Records available: 1945-50. Apr. 4, 19.84; Nov. 10, 22.30.

C-22-59-24bc. H. I. Barnard. Records available: 1945-50. Nov. 10, 21.32.

C-22-59-29cbb. M. Madson. Records available: 1945-50. Nov. 10, 13.80.

C-23-57-3bc. H. L. Garber. Records available: 1945-49. Measurement discontinued after Nov. 29, 1949.

C-23-57-12daa. American Crystal Sugar Co. Records available: 1945-50. Apr. 3, 9.14; Nov. 10, 11.14.

C-23-57-32bdb. J. C. Vroman. Records available: 1945-50. Apr. 3, 10.75; Nov. 10, 10.74.

Pitkin County

C-8-88-27bc. R. O. Sewell. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 11	28.15	May 4	25.01	Aug. 14	20.23	Nov. 23	29.75
Mar. 10	26.94	June 7	16.46	Sept. 14	22.30	Dec. 14	30.66
Apr. 14	26.12	July 16	15.99	Oct. 7	20.49		

Pueblo County

C-20-63-34bcd. Excelsior Ranch. Records available: 1945-50. Nov. 9, 12.58.

C-20-65-32bd. Colorado State Hospital. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	7.33	Apr. 23	6.76	July 24	5.80	Oct. 25	6.93
26	7.41	May 24	6.94	Aug. 28	6.63	Nov. 28	7.29
Feb. 24	7.51	June 27	6.60	Sept. 24	7.30	Dec. 29	7.67
Mar. 23	7.47						

C-21-61-9bb. J. A. Werme. Records available: 1949. No measurement made in 1950.

C-21-61-23bb2. A. Grandbush. Records available: 1948-49. No measurement made in 1950.

C-21-61-23db. Ralph Wright. Records available: 1945-50. Apr. 3, 11.44; Nov. 9, 12.40.

C-21-62-9cd2. Bert Potestio. Records available: 1946-50. Apr. 4, 16.00; Nov. 10, 16.35.

C-21-63-8ca. J. T. McCorkle. Records available: 1945-50. Apr. 4, 30.92; Nov. 10, 30.05.

C-21-63-11cdc. C. A. Wilcox. Records available: 1945-50. Nov. 10, 19.52.

C-21-64-3dbd. Joseph Thomas. Records available: 1945-50. Apr. 4, 17.81; Nov. 10, 18.04.

C-21-64-10bbc. Tony Morrello. Records available: 1945-50. Apr. 4, 10.05; Nov. 10, 11.23.

Washington County

B-5-54-20bcc. Mr. Palmer. Records available: 1945-50. Feb. 6, 14.27; Apr. 6, 14.54; May 26, 14.80; Oct. 18, 14.87; Dec. 7, 14.81.

Weld County

B-1-63-2ccc. D. Trupp. Records available: 1945-50.

## Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	53.51	52.83	52.40	51.90	51.70	52.97	54.48	57.68	61.24	59.87	58.56	57.60
2	53.45	52.84	52.30	51.83	51.81	53.15	54.61	57.73	61.39	59.80	58.52	57.59
3	53.44	52.80	52.28	51.92	51.80	53.13	54.74	57.91	61.43	59.77	58.50	57.56
4	53.43	52.79	52.27	51.94	51.84	53.09	54.80	58.00	61.27	59.71	58.47	57.55
5	53.41	52.74	52.25	51.94	52.00	53.11	55.05	58.19	61.40	59.63	58.43	57.55
6	53.40	52.70	52.21	51.82	52.09	53.18	55.10	58.36	61.56	59.58	58.39	57.51
7	53.38	52.71	52.28	51.80	52.06	53.13	55.30	58.49	61.60	59.57	58.34	57.45
8	53.32	52.72	52.28	51.79	52.00	53.10	55.43	58.62	61.63	59.52	58.31	57.42
9	53.33	52.68	52.19	51.77	52.00	53.04	55.55	58.75	61.62	59.45	58.29	57.41
10	53.33	52.64	52.17	51.87	52.00	53.00	55.67	.....	61.54	59.44	58.25	57.39
11	53.26	52.62	52.19	51.92	51.97	52.92	55.80	.....	61.53	.....	58.23	57.34
12	53.22	52.63	52.18	51.97	51.90	53.10	55.72	.....	61.53	.....	58.21	57.31
13	53.20	52.63	52.17	51.97	51.90	53.31	55.81	.....	61.50	.....	58.13	57.30
14	53.15	52.59	52.12	52.02	51.87	53.54	55.98	.....	61.21	.....	58.11	57.28
15	53.19	52.59	52.13	52.09	51.84	53.77	56.03	.....	60.98	59.21	58.10	57.24
16	53.18	52.55	52.14	52.02	51.83	53.94	56.20	.....	60.81	59.18	58.05	57.22
17	53.13	52.56	52.08	51.94	51.82	53.94	56.21	.....	60.69	59.12	58.04	57.20
18	53.10	52.55	52.13	51.92	51.82	53.90	56.40	.....	60.54	59.09	58.00	57.16
19	53.13	52.50	52.10	51.90	51.83	53.86	56.58	.....	60.44	59.05	57.95	57.14
20	53.09	52.46	52.09	51.87	51.83	53.95	56.62	.....	60.35	59.00	57.95	57.13
21	53.04	52.44	52.08	51.79	51.81	53.90	56.70	60.15	60.44	58.97	57.92	57.11
22	53.01	52.42	52.00	51.76	52.13	53.85	56.78	60.30	60.57	58.94	57.87	57.08
23	52.98	52.40	52.01	51.74	52.43	53.90	56.82	60.42	60.59	58.90	57.84	57.05
24	52.95	52.39	51.99	51.80	52.70	53.96	56.95	60.53	60.44	58.85	57.83	57.01
25	53.00	52.39	51.92	51.79	52.77	54.02	57.03	60.64	60.26	58.80	57.81	56.99



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

## Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	53.02	52.40	51.90	51.76	52.70	53.94	57.17	60.70	60.16	.....	57.76	56.98
27	52.96	52.37	51.95	51.76	52.60	54.06	57.30	60.69	60.10	.....	57.73	56.95
28	52.91	52.40	52.00	51.73	52.50	54.23	57.41	60.60	60.01	.....	57.71	56.92
29	52.92		52.04	51.78	52.45	54.20	57.52	60.81	59.94	58.66	57.68	56.90
30	52.84		52.00	51.78	52.64	54.27	57.45	60.93	59.90	58.62	57.64	56.88
31	52.84		51.92		52.80		57.52	61.09		58.58		56.82

B-1-63-2dd. H. Scheid. Records available: 1945-50. Feb. 1, 39.10, Apr. 5, 39.70; May 23, 39.30; Aug. 3, 38.64; Oct. 13, 38.15; Dec. 10, 39.29.

B-1-63-3cc. John Baumgardner. Records available: 1945-50. Feb. 1, 43.97; Apr. 5, 45.04; Oct. 13, 51.88.

B-1-63-9dd. E. A. Custer. Records available: 1945-50. Feb. 1, 46.44; Apr. 5, 45.85; Oct. 13, 52.53; Dec. 10, 52.34.

B-1-63-10cdd. Lee Alden. Records available: 1945-50. Apr. 5, 50.95; May 23, 52.85; Oct. 13, 58.98; Dec. 10, 56.28.

B-1-63-22ddc. J. J. Suppes. Records available: 1945-50. Feb. 1, 79.37; Apr. 5, 79.03; May 23, 79.98; Oct. 13, 86.99; Dec. 10, 84.89.

B-1-63-27dc. William Vogt. Records available: 1945-50. Feb. 1, 90.58; Apr. 5, 90.50; May 23, 91.03; Oct. 13, 96.39; Dec. 10, 94.50.

B-1-63-28abb. Hudson Gardens Co. Records available: 1945-50. Feb. 1, 76.04; Apr. 5, 76.59; May 23, 76.69; Aug. 3, 76.83; Oct. 13, 77.95; Dec. 10, 77.62.

B-1-64-18bbd. Joseph DeBell. Records available: 1945-50. Apr. 12, 11.34; Nov. 28, 14.87.

B-1-65-12ccc. Joseph Wuertz. Records available: 1945-50.

## Daily lowest water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.53	12.73	12.87	12.97	13.11	13.66	.....	17.71	19.03	16.39	.....	16.49
2	12.50	12.74	12.86	12.96	13.07	13.97	.....	17.73	19.10	16.40	.....	16.50
3	12.52	12.74	12.82	13.00	13.07	14.60	.....	17.73	19.18	16.39	.....	16.49
4	12.53	12.73	12.83	13.02	13.09	14.90	.....	17.50	19.23	16.38	.....	16.50
5	12.55	12.73	12.83	13.02	13.10	15.07	.....	17.21	19.25	16.32	17.20	16.51
6	12.59	12.72	12.81	13.00	13.11	15.28	.....	17.18	19.26	16.33	17.08	16.51
7	12.59	12.76	12.88	12.97	13.13	15.48	13.93	17.31	19.26	16.35	17.00	16.47
8	12.56	12.77	12.88	12.97	13.13	15.61	13.95	17.38	19.26	16.35	16.90	16.48
9	12.59	12.77	12.36	12.96	13.14	15.42	13.97	17.44	19.24	16.31	16.87	16.50
10	12.60	12.76	12.86	13.02	13.15	15.62	14.62	17.51	19.24	16.31	16.81	16.50
11	12.60	12.74	12.89	13.02	13.15	15.71	15.20	17.57	19.24	16.30	16.76	16.45
12	12.58	12.77	12.89	13.03	13.14	15.86	15.43	17.67	19.24	16.30	16.72	16.45
13	12.60	12.78	12.91	13.03	13.13	15.94	15.56	17.83	18.80	16.28	16.68	16.44
14	12.59	12.80	12.91	13.03	13.14	15.97	15.59	17.90	18.05	16.28	16.63	16.44
15	12.62	12.82	12.91	13.02	13.14	15.97	15.50	17.90	17.62	16.25	16.64	16.45
16	12.64	12.82	12.91	13.06	13.15	15.97	15.72	17.89	16.90	16.29	16.64	16.48
17	12.65	12.82	12.91	13.07	13.15	15.86	15.92	17.93	16.70	16.29	16.60	16.48
18	12.65	12.82	12.91	13.08	13.14	.....	15.99	18.03	16.59	16.27	16.57	16.45
19	12.68	12.81	12.91	13.09	13.16	.....	16.13	18.10	16.55	16.29	16.58	16.46
20	12.68	12.79	12.92	13.08	13.17	.....	16.25	18.18	16.53	16.27	16.58	16.47
21	12.67	12.80	12.93	13.04	13.18	.....	16.31	18.23	16.51	16.23	16.54	16.45
22	12.65	12.80	12.94	13.02	13.17	.....	16.41	18.24	16.49	16.27	16.52	16.45
23	12.62	12.80	12.92	13.02	13.50	.....	16.46	18.30	16.49	16.80	16.53	16.46
24	12.64	12.81	12.92	13.07	13.92	.....	16.69	18.34	16.49	17.58	16.51	16.46
25	12.71	12.82	12.92	13.07	.....	.....	16.75	18.34	16.42	18.05	16.50	16.47
26	12.72	12.83	12.89	13.08	.....	.....	16.93	18.30	16.43	18.44	16.50	16.46
27	12.72	12.81	12.93	13.08	.....	.....	17.11	18.49	16.42	18.70	16.48	16.47
28	12.69	12.86	12.98	13.08	13.80	.....	17.20	18.50	16.41	18.91	16.50	16.43
29	12.69		13.00	13.09	13.78	.....	17.33	18.67	16.40	19.10	16.50	16.45
30	12.70		13.00	13.11	13.72	.....	17.46	18.80	16.37	19.14	16.49	16.46
31	12.71		12.97		13.70		17.60	18.92		.....		16.42

B-1-65-24cdc. Joseph Wuertz. Records available: 1945-50. Apr. 12, 14.23; Nov. 28, 16.56.

B-1-65-25cd. Fred Haffner, Sr. Records available: 1945-50. Apr. 12, 30.29; Nov. 28, 33.49.

B-1-66-7dd. W. A. Wallace. Records available: 1945-50. Apr. 11, 19.36; Nov. 27, 17.02.

B-1-66-30ad. G. J. Mancini. Records available: 1945-50. Apr. 11, 17.04; Nov. 27, 14.60.

B-1-66-31dcd. Carl Caranci. Records available: 1945-50. Apr. 11, 19.30; Nov. 27, 19.23.

B-2-62-18cbc. Mrs. Sadie Knox. Records available: 1945-50. Feb. 1, 23.78; Apr. 5, 23.54; May 23, 23.38; Oct. 13, 25.29; Dec. 10, 25.15.

B-2-62-19cd. M. A. Shoeneman. Records available: 1947-50. Feb. 1, 35.56; Apr. 5, 35.47; Oct. 13, 39.23; Dec. 10, 37.97.

B-2-63-15dcd. Mrs. Sadie Knox. Records available: 1945-50. Feb. 1, 18.56; Apr. 5, 18.08; May 23, 22.95; Oct. 13, 21.80; Dec. 10, 20.83.

B-2-63-22ccc. H. O. Milcap. Records available: 1945-50. Feb. 1, 28.27; Apr. 5, 28.56; May 23, 30.20; Oct. 13, 35.65; Dec. 10, 33.39.

B-2-63-22dc. John Zimbleman. Records available: 1945-50. Feb. 1, 32.32; Apr. 5, 32.50; Dec. 10, 36.96.

B-2-63-23dcc. Edward Weickum. Records available: 1945-50. Feb. 1, 43.80; Apr. 5, 43.28; May 23, 44.40; Oct. 13, 48.72; Dec. 10, 47.39.

B-2-63-28ddd. C. V. Maddux. Records available: 1945-50. Feb. 1, 33.68; Apr. 5, 33.68; Aug. 3, 43.61; Oct. 13, 42.79; Dec. 10, 39.78.

B-2-63-32aa. Tony Batelli. Records available: 1945-50. Feb. 1, 26.06; Apr. 5, 26.19; May 23, 26.23; Aug. 3, 26.45; Oct. 13, 26.49; Dec. 10, 26.80.

B-2-63-34ccc. R. L. Martin. Records available: 1945-50. Feb. 1, 48.69; Apr. 5, 47.29; May 23, 50.48; Oct. 13, 56.82; Dec. 10, 54.60.

B-2-63-35dcd. William A. Carlson. Records available: 1945-50. Feb. 1, 43.55; Apr. 5, 43.25; Oct. 13, 47.05; Dec. 10, 45.98.

B-2-63-36bcd. Martin Scheid. Records available: 1945-50. Feb. 1, 44.34; Apr. 5, 43.36; Oct. 13, 48.45; Dec. 10, 46.85.

B-2-64-30cbc. Floyd Schroeder. Records available: 1945-50. Apr. 12, 10.79; Nov. 28, 11.38.

B-2-66-7ddd. A. L. Johnson. Records available: 1945-50. Apr. 11, 12.99; Nov. 27, 10.62.

B-2-66-20bc. E. F. Krause. Records available: 1945-50. Apr. 11, 14.22; Nov. 27, 13.59.

B-2-66-29cc. S. J. Rhode. Records available: 1945-50. Apr. 11, 19.61; Nov. 27, 18.49.

B-3-64-17cc. E. D. Seldin. Records available: 1945-50. Apr. 12, 5.53; Nov. 28, 9.30.

B-3-64-30ccc. Mrs. Maud C. Hanson. Records available: 1945-50. Apr. 12, 5.82; Nov. 28, 7.70.

B-3-66-18cbc. C. C. Oster. Records available: 1947-50. Apr. 11, 17.72; Nov. 27, 15.09.

B-4-64-1ccc2. Alice St. John. Records available: 1949-50. Apr. 12, 8.08; Nov. 28, 8.42.

8. 04. B-4-64-10ddd. F. L. Chestnut. Records available: 1945-50. Apr. 12, 9.23; Nov. 28,
- B-4-64-12cc. H. Duell. Records available: 1945-50. Nov. 28, 14.09.
13. 75. B-4-65-6da2. C. E. Goodner. Records available: 1949-50. Apr. 11, 14.94; Nov. 27,
12. 20. B-4-65-18daa. Root Bros. Records available: 1945-50. Apr. 11, 9.84; Nov. 27,
24. 44. B-4-66-9cdc. E. S. Linden. Records available: 1945-50. Apr. 11, 24.48; Nov. 27,
17. 71. B-4-66-13dd. Paul Jewel. Records available: 1945-50. Apr. 11, 16.23; Nov. 27,
19. 65. B-4-66-14bab. W. H. Ewing. Records available: 1945-50. Apr. 11, 19.48; Nov. 27,
25. 79. B-4-66-15ccc. H. G. Martin. Records available: 1945-50. Apr. 11, 26.50; Nov. 27,
10. 94. B-4-66-15ddd. M. L. Winslow. Records available: 1945-50. Apr. 11, 9.90; Nov. 27,
7. 33. B-4-66-17bcc. R. O. Larsen. Records available: 1945-50. Apr. 11, 8.01; Nov. 27,
- B-4-66-19ddd. J. C. Breckon. Records available: 1945-49. Measurement discontinued after Nov. 8, 1949.
- Nov. 27, 18.52. B-4-66-19ddd2. J. C. Breckon. Replaces B-4-66-19ddd. Records available: 1950.
8. 76. B-4-66-27add. John O. Lorenz. Records available: 1945-50. Apr. 11, 6.06; Nov. 27,
22. 12. B-4-66-28cc. Elbert Cogburn. Records available: 1945-50. Apr. 11, 21.74; Nov. 27,
- B-4-66-31dcc. W. D. Farr. Records available: 1945-50. Nov. 27, 9.61.
4. 96. B-4-67-13cd. E. H. Sappington. Records available: 1945-50. Apr. 11, 9.00; Nov. 27,
5. 36. B-5-64-35ddd. P. Hoshiko. Records available: 1945-50. Apr. 12, 7.72; Nov. 28,
11. 10. B-5-65-13ddc. F. A. Plumb. Records available: 1945-50. Apr. 11, 17.81; Nov. 28,
- Nov. 27, 7.09. B-5-65-26bcc. George Alles, Sr. Records available: 1945-50. Apr. 11, 11.03;
11. 75. B-5-65-27ccb. Henry A. Alles. Records available: 1945-50. Apr. 11, 14.84; Nov. 27,
16. 31. B-6-63-29bbb. H. L. Wells. Records available: 1945-50. Apr. 21, 15.19; Nov. 29,
10. 62. B-6-64-24aaa. M. R. Leaver. Records available: 1945-50. Apr. 21, 11.43; Nov. 29,
- Nov. 29, 18.84. B-6-64-25aad. Mrs. C. W. Bell. Records available: 1945-50. Apr. 21, 17.16;
9. 34. B-6-64-26da. Asa Jones. Records available: 1945-50. Apr. 21, 9.15; Nov. 29,
- B-6-64-30bba. M. O. Patten. Records available: 1945-47, 1949. Measurement discontinued after Nov. 16, 1949.

28. 55. B-6-64-32bab. Charles Moore. Records available: 1945-50. Apr. 21, 27.39; Nov. 29.
8. 70. B-6-65-3bb. T. H. Wilson. Records available: 1945-50. Apr. 21, 8.15; Nov. 29.
- B-6-65-10bbb. L. C. Roberts. Records available: 1945-50. Nov. 29, 9.82.
11. 52. B-6-65-15bbb. H. N. Huff. Records available: 1945-50. Apr. 21, 11.60; Nov. 29.
28. 73. B-6-65-17bbc. H. W. Farr. Records available: 1945-50. Apr. 21, 26.45; Nov. 29.
30. 59. B-6-65-18bbb. James Milne. Records available: 1945-50. Apr. 21, 26.49; Nov. 29.
10. 68. B-6-65-21aab. H. N. Bickling. Records available: 1945-50. Apr. 21, 11.28; Nov. 29.
13. 70. B-6-65-34bb. Ildo Williams. Records available: 1945-50. Apr. 21, 15.30; Nov. 29.
32. 39. B-6-66-1bab. Gust Johnson. Records available: 1945-50. Apr. 21, 29.00; Nov. 29.
- Nov. 29, 14.53. B-6-66-20ccd. J. K. Emerson. Records available: 1945-50. Apr. 21, 15.40;
9. 96. B-6-67-12bb. Chris Felte. Records available: 1945-50. Apr. 21, 8.20; Nov. 29.
7. 20. B-6-67-17dc. Henry Kraus. Records available: 1945-50. Apr. 21, 7.19; Nov. 29.
8. 15. B-6-67-22aaa. F. A. Davis. Records available: 1945-50. Apr. 21, 7.75; Nov. 29.
39. 75. B-7-65-7bcc. A. B. Stewart. Records available: 1945-50. Apr. 21, 37.69; Nov. 29.
- B-7-65-10bcb. M. H. Graham. Records available: 1945-50. Nov. 29, 16.61.
- B-7-65-16bbb. K. Akahoshi. Records available: 1945-48, 1950. Nov. 29, 5.80.
- Nov. 29, 32.35. B-7-65-18cdb. Harry Clark. Records available: 1945-48, 1950. Apr. 21, 27.32;
8. 19. B-7-65-21aaa. H. G. Liebhardt. Records available: 1945-50. Apr. 21, 7.48; Nov. 29.
17. 62. B-7-65-28aa. R. F. Blandon. Records available: 1945-50. Apr. 21, 15.80; Nov. 29.
- Nov. 29, 23.42. B-7-65-30bbb. J. L. Nix. Records available: 1945-48, 1950. Apr. 21, 20.08;
16. 77. B-7-66-1ab. C. A. Pettibone. Records available: 1945-50. Apr. 21, 17.16; Nov. 29.
28. 20. B-7-66-2abb. L. Fletcher. Records available: 1945-50. Apr. 21, 29.77; Nov. 29.
- Apr. 21, 15.98; Nov. 29, 16.67. B-7-66-14aba. Fred Hoffner. Formerly A. A. Larson. Records available: 1945-50.
- B-7-66-14bcc. Mrs. Alice Ehn. Records available: 1945-50. Nov. 29, 16.45.
- B-7-66-25bcc. Guy Clark. Records available: 1945-50. Nov. 29, 32.35.
21. 24. B-8-65-8bbb. H. L. Kramer. Records available: 1945-50. Apr. 21, 22.32; Nov. 29,

- B-8-65-20dbb. Edward Vadeburg. Records available: 1945-50. Nov. 29, 16.12.
- B-8-65-28bbb. W. T. Miller. Records available: 1945-50. Nov. 29, 13.56.
- B-8-65-34abb. J. F. Duncan. Records available: 1945-50. Nov. 29, 6.45.
- 7.07. B-8-65-34dcc. A. B. McClave. Records available: 1945-50. Apr. 21, 7.10; Nov. 29, 20.41.
- B-8-66-1bab. Herman Babb. Records available: 1945-50. Apr. 21, 18.39; Nov. 29, 20.22.
- B-8-66-22aaa. Troy Jones. Records available: 1945-50. Apr. 21, 19.91; Nov. 29, 26.03.
- B-8-66-26cbb2. C. Fisk. Records available: 1947-50. Apr. 21, 25.17; Nov. 29, 20.44.
- B-9-65-18cbb. U. S. Dept. of Agriculture. Records available: 1945-50. Apr. 21, 23.69.
- B-10-66-12dd. U. S. Dept. of Agriculture. Records available: 1945-50. Apr. 21, 44.17.
- B-10-66-22ccc. U. S. Dept. of Agriculture. Records available: 1945-50. Apr. 21,



## IDAHO

By R. L. Nace and S. W. Fader

### Scope of Water-Level Program

The observation-well program in Idaho, begun in 1946, was continued in 1950 in cooperation with the State Department of Reclamation. Measurements in observation wells in Ada and Canyon Counties were made in cooperation with the Nampa-Meridian Irrigation District; in Kootenai County, in cooperation with the Washington Water Power Company and the Idaho Department of Game; in Minidoka County, in collaboration with the United States Bureau of Reclamation; and in the Central Snake River Plain in collaboration with the United States Atomic Energy Commission. Investigations on special projects of concern to the Federal Bureau of Reclamation were continued in the Rathdrum Prairie area of Kootenai County, and were begun in the Michaud Flats area of Power County, and in the Teton Basin of Teton County. Investigations on a special project for the U. S. Atomic Energy Commission were continued in the Central Snake River Plain. An areal study in the west-central Snake River Plain was continued as a noncooperative Federal project. At the end of the year measurements were being made in 102 wells, 8 of which are equipped with recording gages and 2 with nonrecording gages.

### Precipitation

Annual precipitation totals and mean temperatures for the year showed marked excesses of precipitation, and temperature deficiencies, at all but one or two stations north of the Salmon River. May was a dry month with Statewide average precipitation only 57 percent of normal. In September precipitation was frequent. Precipitation was the highest on record for October in the northern part of the State.

### Interpretation of Water-Level Fluctuations

In the heavily irrigated Boise Valley, in Ada and Canyon Counties, the effects of local precipitation on water-level fluctuations are largely masked by the effects of recharge by seepage losses from irrigation. Water levels in wells in the valley, for which long term records are available, reached new record high levels during 1949, in the latter part of the irrigation season. Two of the wells made small net gains during the year, while in four there were small net declines. Well 7N 2E-34cal in Boise County, after dropping to a record low 42.4 July 26, and August 9, 1950 reached a year-end level (40.1) only slightly lower than at the end of 1949. This well, in a mountain valley area, reflects the status of natural ground-water storage available to maintain the dry-season flow in local streams. There was a net rise of 2.8 feet in well 3N 41E-6cb1 in Bonneville County, near the edge of an extensive irrigated area. Water levels in wells in Cassia County fluctuated through about their normal range, and failed to show appreciable effects from substantial withdrawals of ground water for new irrigation developments in the Raft River valley. Irrigation withdrawals in the valley in 1950 amounted to about 16,000 acre-feet, compared with 12,000 in 1949 and 9,000 in 1948. Water levels in five wells in Kootenai County at the end of the year ranged from about 7 feet below to more than 4 feet above the 1949 year-end levels. In one well the year-end level was far below average; in the others, levels were near or substantially above average at the end of the year; during the year water levels in three wells rose to new record high levels. In the northern part of Rathdrum Prairie water levels appear to reach their highest yearly levels before midsummer. Those in the southwestern part seem to reach their highest yearly levels after midsummer. Wells near Pend Oreille Lake attain their highest levels in late spring when the stage of the lake is at its maximum. In Latah County well 39N 5W-7dd1, a nonflowing artesian well in the Moscow Basin, continued the cumulative decline noted in previous years, dropping to a new low of 70 feet in December, with a substantial net decline for the period of record. In well 39N 5W-10ac1, a shallow water-table well east of the Moscow Basin, a low water level of 15.2 feet was reached in December. Both these declines occurred despite a substantial excess of total precipitation. In the Malad Valley of Oneida County water levels reached new record lows. In certain wells water levels at the end of the year were above the 1949 year-end levels in amounts ranging from 0.2 foot to 4.4 feet; in other wells water levels were below 1949 year-end levels in amounts ranging from 0.8 foot to 8.1 feet. Year-end departures of water levels from average thus ranged between -8.1 feet and +4.4 feet.

Precipitation was slightly above normal, but a little below that in 1949. Differences in the net changes of water levels and in departures from average in these wells are partly a result of local pumpage and discharge by flowing wells. The establishment of a substantial number of record low levels during the year, and the general lag in recovery of water levels to or above average, may support the theory that draft on the supply during the year exceeded natural recharge. On the other hand wells in this area characteristically reach their highest levels during the period February to May. The degree of recovery in these wells during the spring of 1951 therefore is of great interest and importance.

Water-level fluctuations in 1950 in 44 observation wells with 6 or more years of record are listed in the following tables.

Net changes and departure from average water levels in observation wells and precipitation, 1950  
(Average used is nonweighted average of all recorded measurements for each well)

Well number	Net change	Departure from average	Station	Precipitation, in inches, at nearest U. S. Weather Bureau Station		
				Total precipitation	Departure from normal	Net departure from 1949 total
4N 1W-36da1	-0.7	+5.4	Meridian	11.91	+0.23	+6.95
3N 1W- 1cc1	-1.3	+ .9				
10cc1	-1.0	+ .3				
3N 1E- 4ba1	+ .4	+7.4	Nampa	10.37	+ .47	+4.80
5aa1	+ .1	+1.6	Boise Airport	13.99	+ .89	+6.56
11bb1	-1.6	+1.3				
7N 2E-34ca1	- .2	-1.1	Emmett	16.64	+5.19	+7.66
3N 41E- 6cb1	+2.8	+ .6	Ririe	7.00	--	-6.39
3N 3W-25aa1	-4.3	- .8	Caldwell	12.45	+2.24	+7.32
3N 2W-23dc1	- .8	+1.3	Nampa	10.37	+ .47	+4.80
25aa1	-1.9	+1.9				
13S 26E-24aa1	+3.3	- .1				
16S 27E-26ba1	- .5	-2.0	Bridge	9.33	--	--
7N 35E-25bd1	--	+ .3	Hamer	6.57	.00	--
53N 4W-24bb1	+4.3	+19.6				
53N 2W- 3bc1	-7	+ .5	Coeur d' Alene RS	28.86	+4.51	+5.56
9aa1	--	+4.3	do CAA	21.98	--	+3.55
51N 5W-33bb1	+4.6	+14.1				
50N 5W- 1aa1	+3.8	+17.2				
39N 5W- 7dd1	--	-15.8	Moscow	27.19	+5.49	+8.74
10ac1	--	- .7				
14S33E-31ab1	--	--				
14S35E-10ab1	+ .2	+ .8				
13db1	+ .4	-3.1				
27aa1	+ .7	-2.8				
35bd1	-4.0	-6.1				
36bc1	--	--				
14S 36E- 3ca1	--	--				
29ba1	+4.4	+1.9				
32aa1	+3.1	+ .9				
32da1	+4.1	+2.0				
15S 35E- 1da1	-8.1	-10.3				
1db1	- .8	-3.4				
12ab2	-2.4	- .6	Malad	16.31	+1.30	- .58
12bb1	-1.6	-5.3	Malad Airport	15.04	--	-2.51
14ad1	+ .3	+1.0				
15S 36E- 5aa4	-1.5	- .7				
6ac2	+ .4	-1.3				
6ba1	-5.5	-8.2				
8aa1	-6.5	-3.0				
29ca2	-2.3	-1.9				
30ab1	+1.2	-1.2				
30ab2	+ .5	- .6				
7N 5W- 3da1	-1.2	+1.6	Payette	10.12	- .75	+1.51

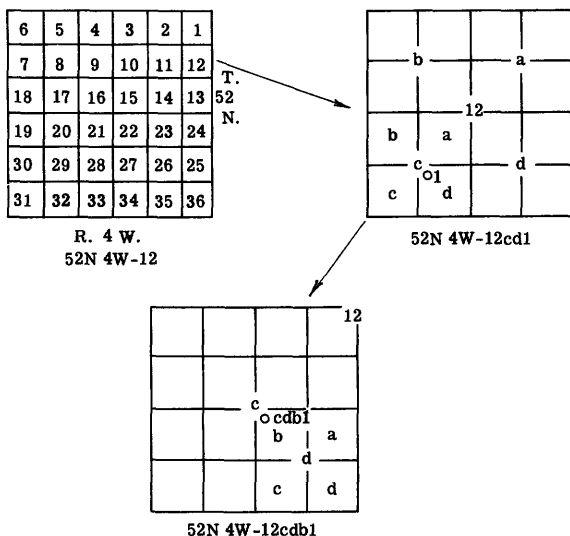


Summary of net changes in water levels, in feet, in observation wells in Idaho, 1950

County and Well No.	Highest level		Lowest level		Range		Year-end water level 1950		
	Feet	Date	Feet	Date	Feet	% above min.	Water level	Date	Above or below 1949
<b>Ada:</b>									
4N 1W-36da1	0.40	9-23-49	23.7	2-9-15	23.3	96	1.07	12-8-50	-0.7
3N 1W- 1cc1	5.74	8-31-50	18.7	4-14-15	13.0	74	9.13	12-8-50	-1.3
10cc1	1.30	9-22-49	11.0	Dec. 1913	9.7	71	4.07	12-8-50	-1.0
3N 1E- 4ba1	10.3	11-3-50	27.6	11-26-26	17.3	100	10.3	11-3-50	+ .4
5aa1	5.0	8-30-49	21.3	3-23-35	16.3	58	11.9	12-26-50	+ .1
11bb1	4.31	7-18-49	19.9	3-31-24	15.6	69	9.21	12-8-50	-1.6
<b>Boise:</b>									
7N 2E-34ca1	31.6	5-12-43	42.4	7-26-50 8-9-50	10.8	21	40.1	12-27-50	- .2
<b>Bonneville:</b>									
3N 41E- 6cb1	33.5	7-30-49	63.4	3-27-43	29.9	58	46.4	12-16-50	+2.8
<b>Canyon:</b>									
3N 3W-25aa1	6.9	9-23-49	12.5	2-23-42	5.6	23	11.2	12-8-50	-4.3
3N 2W-23dc1	16.9	10-21-25	28.8	11-18-29	11.9	78	19.5	12-8-50	- .8
25aa1	8.1	8-30-50	21.0	4-21-24	12.9	68	12.2	12-8-50	-1.9
<b>Cassia:</b>									
13S 26E-24aa1	2.07	5-19-47	8.64	11-7-49	6.57	50	5.37	12-21-50	+3.3
16S 27E-26ba1	10.82	8-26-50	36.4	4-22-50	25.8	66	19.48	12-21-50	- .5
<b>Jefferson:</b>									
7N 35E-25bd1	2.80	12-10-31	12.67	7-18-50	9.87	--	6.67	12-27-50	--
<b>Kootenai:</b>									
53N 4W-24bb1	447.6	8-21-50	478.1	1-15-32	30.5	89	451.1	12-25-50	+4.3
53N 2W- 3bc1	202	5-26-49	228	11-14-44	26	27	221	12-18-50	-7
9aa1	228	6-8-48	252	1-2-44	24	46	240.7	12-31-50	--
51N 5W-33bb1	134.1	6-29-50	166.6	10-30-44 2-11-32	32.5	84	139.4	12-14-50	+4.6
50N 5W- 1aa1	176.1	9-1-50	212.3	12-8-31	36.2	88	160.3	12-14-50	+3.8
<b>Latah:</b>									
39N 5W- 7dd1	50.10	4-19-38	70.00	12-18-50	19.9	0	70.0	12-18-50	--
10ac1	5.97	3-21-49	17.61	2-1-37	11.64	20	15.24	12-18-50	--
<b>Oneida:</b>									
14S 33E-31ab1	3.30	5-17-49	7.2	7-28-41	3.9	--	--	--	--
14S 35E-10ab1	115.4	5-4-48	124.6	10-13-47	9.2	78	117.4	9-7-50	+ .2
13db1	66.66	5-4-48	76.34	10-21-44	9.68	27	73.71	10-25-50	+ .4
27aa1	52.65	4-9-47	60.05	10-25-48	7.4	14	58.98	10-25-50	+ .7
35bd1	29.0	2-25-46	+10.5	9-7-50	18.5	36	+17.2	10-25-50	-4.0
36bc1	15.69	4-1-47	22.49	9-27-49	6.80	--	--	--	--
14S 36E- 3ca1	59.15	10-16-32	72.75	4-12-32	13.6	--	--	--	--
29ba1	23.18	7-20-43	33.40	9-7-50	10.22	74	25.93	10-25-50	+4.4
32aa1	+7.6	5-2-44	.8	10-24-48	8.4	45	+4.6	10-24-50	+3.1
32da1	+3.7	2-25-46							
32da1	+3.7	4-2-47	1.31	9-27-49	5.0	82	+2.8	10-25-50	+4.1
15S 35E- 1da1	+33.1	5-3-44	+16.9	9-7-50	16.2	0	+16.9	9-7-50	-8.1
1db1	+25.9	5-3-44	+8.6	9-7-50	17.3	50	+17.3	10-25-50	- .8
12af2	+24.3	3-9-49	+13.0	5-5-48	11.3	45	+18.1	10-24-50	-2.4
12bb1	+14.5	4-1-47	+1	9-7-50	14.4	28	+4.2	10-24-50	-1.6
14ad1	+6.5	9-7-50	+1.9	5-3-44	4.6	96	+6.3	10-24-50	+ .3
15S 36E-5aa4	+16.0	10-23-45	+7.9	9-27-49	8.1	54	+12.3	10-25-50	-1.5
6ac2	+16.7	2-24-46	+7.0	9-27-49	9.7	41	+11.0	10-25-50	+ .4
6ba1	+23.1	5-4-44	+8.0	9-7-50	15.1	0	+8.0	9-7-50	-5.5
8aa1	+20.1	4-2-47	+11.8	6-29-43	8.3	17	+13.2	9-7-50	-6.5
29ca2	+12.9	5-3-44	+3.2	9-7-49	9.7	62	+9.2	10-24-50	-2.3
3-1-45									
30ab1	+14.9	5-3-44	+8.8	9-7-50	6.1	54	+12.1	10-24-50	+1.2
30ab2	+12.4	8-20-47	+9.0	9-7-50	3.4	41	+10.4	10-25-50	+ .5
<b>Payette:</b>									
7N 5W- 3da1	31.0	9-12-49 10-7-49	43.3	4-27-49 5-3-49	12.3	47	37.5	12-26-50	-1.2

## Well-Numbering System

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



### Well Descriptions and Water-Level Measurements (Water levels are below or above land-surface datum as indicated.)

#### Ada County

4N 1W-36da1. Richard Foster. Drilled and dug domestic water-table well, diameter 3 inches, reported depth 184 feet. Land-surface datum is 2,581.5 feet above msl datum of 1929 (preliminary). Highest water level 0.40 below lsd, Sept. 23, 1949; lowest 23.7 below lsd, Feb. 9, 1915. Records available: 1915-17, 1925, 1927-50. Mar. 29, 3.16; June 30, 2.72; Aug. 29, 1.93; Dec. 8, 1.07. Water level influenced strongly by local irrigation.

3N 1W-1cc1. Jerald Dunten. Drilled stock and domestic water-table well, diameter 3 inches, reported depth 180 feet. Land-surface datum is 2,584.2 feet above msl datum of 1929 (preliminary). Highest water level 5.74 below lsd, Aug. 31, 1950; lowest 18.7 feet below lsd, Apr. 14, 1915. Records available: 1913-16, 1925, 1934-35, 1938-50. Jan. 24, 9.60; Mar. 7, 10.00; Mar. 29, 11.08; June 30, 6.26; Aug. 31, 5.74; Nov. 2, 8.20; Dec. 8, 9.13. Water level influenced strongly by local irrigation.

3N 1W-10cc1. Arthur Keck. Dug domestic water-table well in shallow sediments of Quaternary age reported depth 18 feet. Land-surface datum is 2,539.9 feet above msl datum of 1929 (preliminary). Highest water level 1.30 below lsd, Sept. 22, 1949; lowest 11.0 below lsd, December 1913. Records available: 1912-17, 1924-25, 1927-50. Jan. 24, 3.34; Mar. 29, 4.17; June 30, 2.60; Aug. 31, 2.15; Dec. 8, 4.07.

3N 1E-4ba1. Ellen F. Beebe. Dug domestic water-table well in sand and gravel of Quaternary age, diameter 36 inches, reported depth 50 feet, open bottom. Land-surface datum is 2,626.5 feet above msl datum of 1929 (preliminary). Highest water level 10.3 below lsd, Nov. 3, 1950; lowest 27.6 below lsd Nov. 26, 1926. Records available: 1926-29, 1933-50. Mar. 8, 17.5; Nov. 3, 10.3.

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. Highest water level 5.0 below lsd, Aug. 30, 1949; lowest 21.3 below lsd, Mar. 23, 1935. Records available: 1933-50. Water level influenced by local irrigation.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	12.1	Apr. 4	16.0	July 4	9.1	Oct. 10	6.9
10	12.5	11	16.3	11	8.3	17	7.6
17	13.1	18	16.6	18	7.7	24	8.1
24	12.8	25	16.8	25	7.0	31	8.6
Feb. 1	13.4	May 2	16.2	Aug. 1	6.9	Nov. 7	8.9
7	13.7	10	15.5	8	6.0	11	8.9
14	13.9	16	14.5	15	5.9	14	9.5
21	14.2	23	13.4	22	5.5	21	10.0
28	14.5	31	12.7	29	5.3	28	10.4
Mar. 8	14.8	June 6	12.0	Sept. 5	5.4	Dec. 5	11.0
14	15.1	13	10.3	20	5.7	12	11.1
21	15.4	20	10.3	26	5.8	19	11.6
28	15.8	27	9.8	Oct. 3	6.5	26	11.9

3N 1E-11bb1. H. L. Randall. Dug stock and domestic water-table well in shallow gravel, reported depth 80 feet. Land-surface datum is 2,664.0 feet above msl datum of 1929 (preliminary). Highest water level 4.31 below lsd, July 18, 1949; lowest 19.9 below lsd, Mar. 31, 1924. Records available: 1924-50. Jan. 24, 9.95; Mar. 29, 11.24; June 30, 6.58; Sept. 1, 6.29; Dec. 8, 9.21. Water level influenced strongly by local irrigation.

3N 2E-21bc1. Boise Project Board of Control. Drilled irrigation and drainage artesian well in shallow sand and gravel, diameter 14 inches, depth 58 feet, slot perforations below water level. Highest water level 0.22 above lsd, Dec. 8, 1950; lowest 10.75 below lsd, May 10, 1948. Records available: 1947-50. Jan. 24, 6.83; Dec. 8, +0.22. Water level influenced by local irrigation. Measurement discontinued.

#### Bingham County

3N 33E-3ab1. U. S. Geol. Survey. Drilled observation water-table well in Snake River basalt, diameter 6 inches, depth 733 feet, cased to 733, slot perforations below water level, open bottom. Land-surface datum is 5,179.2 feet above msl datum of 1929 (preliminary). Highest water level 670.9 below lsd, Nov. 22, 1950; lowest 672.4 below lsd, July 31 and Aug. 7, 1950. Records available: 1950. Water level reflects regional storage.

May 2	671.1	July 10	672.1	Aug. 14	672.3	Sept. 18	672.0
15	671.3	17	672.2	21	672.3	Oct. 23	671.5
June 20	671.9	24	672.3	28	672.2	Nov. 22	670.9
26	672.1	31	672.4	Sept. 4	672.1	Dec. 20	670.9
July 3	672.1	Aug. 7	672.4				

2N 31E-35dc1. U. S. Geol. Survey. Drilled observation water-table well in Snake River basalt, diameter 6 to 5 inches, depth 636 feet, cased to 636, slot perforations below water level, open bottom. Land-surface datum is 5,023.7 feet above msl datum of 1929 (preliminary). Highest water level 582.2 below lsd, Nov. 11, 1950; lowest 584.8 below lsd, Jan. 17, 1950. Records available: 1949-50. 1949: Dec. 5, 583.7; 18, 582.5; 30, 582.9. Water level reflects regional storage. Recording gage installed Jan. 21, 1950. Measurement discontinued.

#### Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	583.1	.....	.....	583.7	583.6	583.4	583.0	582.8	582.4	582.5	.....
2	.....	583.2	.....	.....	.....	583.7	583.4	583.0	582.7	582.6	582.7	.....
3	582.7	583.5	.....	.....	.....	583.8	583.4	582.9	582.7	582.6	582.7	.....
4	.....	583.2	.....	583.8	.....	583.8	583.3	582.9	582.7	582.4	582.6	.....
5	.....	583.2	.....	.....	.....	583.6	583.4	582.9	582.7	582.2	582.4	.....
6	.....	583.1	583.1	.....	.....	583.4	583.4	583.0	582.7	582.4	582.5	.....
7	.....	583.2	583.2	.....	583.9	.....	583.3	583.0	582.7	582.6	582.4	.....
8	.....	.....	.....	.....	.....	.....	583.2	582.9	582.7	582.5	582.5	.....
9	.....	.....	.....	.....	.....	.....	583.2	582.9	582.6	582.4	582.7	.....
10	.....	583.2	.....	583.4	.....	.....	583.2	582.9	582.6	582.5	.....	.....

## 2N 31E-35dc1--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	583.1	.....	583.5	.....	.....	583.2	582.9	582.6	582.6	.....	.....
12	.....	583.3	.....	583.5	583.7	583.7	583.4	582.9	582.6	582.5	.....	.....
13	.....	583.3	.....	583.4	583.7	583.7	583.3	583.0	582.6	582.5	582.2	.....
14	.....	.....	.....	583.4	583.7	583.6	583.2	582.9	582.6	582.4	.....	.....
15	.....	.....	.....	.....	583.6	583.6	583.1	582.9	582.6	582.4	.....	.....
16	.....	.....	.....	.....	583.8	583.6	583.2	582.9	582.6	582.4	.....	.....
17	.....	.....	.....	.....	583.6	583.5	583.2	582.9	582.6	582.4	.....	583.2
18	.....	.....	583.4	583.6	583.7	583.6	583.2	582.9	582.7	582.5	.....	.....
19	.....	.....	583.4	.....	583.8	583.6	583.1	582.9	582.7	582.5	.....	583.0
20	.....	582.6	583.4	.....	583.8	583.5	583.3	582.8	582.7	582.4	.....	583.2
21	583.0	582.7	583.5	.....	583.8	583.4	583.2	582.8	582.7	582.4	.....	583.2
22	583.0	582.9	.....	.....	583.7	583.4	583.1	582.7	582.7	582.5	.....	583.2
23	582.8	583.1	.....	.....	583.7	583.4	583.1	582.7	582.6	582.5	.....	583.2
24	582.7	583.1	.....	.....	583.8	583.3	583.2	582.8	582.6	582.5	.....	583.2
25	582.8	583.2	.....	.....	583.9	583.4	583.2	582.8	582.6	582.4	.....	583.0
26	.....	583.2	.....	.....	583.8	583.5	583.2	582.8	582.5	582.4	.....	583.0
27	.....	583.2	.....	583.3	583.8	583.5	583.1	582.8	582.6	582.4	.....	583.1
28	582.8	583.2	583.8	.....	583.7	583.5	.....	582.8	582.5	582.4	.....	583.0
29	582.9	.....	.....	.....	583.8	583.5	.....	582.7	582.4	582.5	.....	583.1
30	583.0	.....	.....	.....	583.7	583.5	.....	582.7	582.4	582.4	.....	582.9
31	583.1	.....	.....	.....	583.8	.....	583.0	582.7	582.4	582.4	.....	582.7

## Blaine County

8S 26E-15bc1. James Hruza. Drilled stock water-table well in Snake River basalt, diameter 4 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 169.6 below lsd, Aug. 23, Sept. 17 and 29, 1949; lowest 177.3 below lsd, Feb. 26, 1949. Records available: 1948-50. May 25, 173.5; July 28, 170.6; Sept. 8, 170.3; Oct. 11, 171.2; Dec. 21, 169.9. Water level reflects regional storage.

## Boise County

7N 2E-34ca1. Jack N. Kohtala. Dug domestic water-table well in hillwash of Quaternary age, diameter 60 to 36 inches, reported depth 42 feet, cribbed with rock and concrete to 42, open bottom. Land-surface datum is 2,649.6 feet above msl datum of 1929 (unadjusted). Highest water level 31.6 below lsd, May 12, 1943; lowest 42.4 below lsd, July 26, and Aug. 9, 1950. Records available: 1943-50. Water levels from nonrecording gage.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	40.1	Apr. 5	40.4	July 5	41.2	Oct. 4	41.5
11	40.0	12	39.8	12	41.6	11	40.9
18	40.0	19	39.7	19	41.3	18	41.1
24	40.5	26	39.5	26	42.4	25	40.8
25	40.0	May 3	39.2	Aug. 2	41.8	Nov. 1	40.2
Feb. 1	40.2	10	40.4	9	42.4	8	40.1
8	40.1	17	40.9	16	41.7	15	39.9
15	39.8	24	40.6	23	42.2	22	40.0
22	39.7	31	40.0	30	42.0	29	39.7
Mar. 1	40.2	June 7	39.9	Sept. 6	42.0	Dec. 6	39.6
8	39.7	14	39.8	13	40.7	13	39.5
15	39.5	21	40.8	20	40.8	20	39.3
22	39.5	28	40.6	27	40.8	27	40.1
29	39.4						

## 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, 1942-50. Water level influenced by local irrigation.

## 3N 41E-6cb1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	50.1	Apr. 1	55.4	July 1	42.1	Sept. 16	35.4
14	50.5	8	55.5	8	39.7	23	37.0
21	50.2	15	55.5	15	38.3	30	38.1
28	50.5	22	55.3	22	37.5	Oct. 7	39.1
Feb. 4	50.8	29	54.3	29	35.7	28	40.7
11	51.3	May 13	54.3	Aug. 5	35.3	Nov. 11	42.3
18	51.7	20	53.2	12	34.9	18	43.3
25	52.1	27	52.1	19	34.3	25	43.8
Mar. 11	53.6	June 10	49.4	26	34.1	Dec. 2	44.5
18	54.3	17	45.7	Sept. 9	34.5	16	46.4

## 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 39.03 below lsd, Aug. 15, 1950; lowest 41.15 below lsd, Mar. 14, 1950. Records available: 1949-50. Aug. 24, 40.23; Dec. 7, 40.04; Dec. 12, 40.11; Dec. 19, 40.10; Dec. 22, 40.17.

## 1950

Jan. 3	40.30	Apr. 3	40.76	July 3	40.17	Oct. 2	39.79
10	40.42	10	40.64	10	39.77	9	39.85
17	40.59	17	40.67	17	39.62	16	39.90
23	40.55	25	40.72	24	39.48	23	39.93
30	40.72	May 3	40.75	Aug. 1	39.32	30	39.92
Feb. 6	40.78	8	40.90	7	39.07	Nov. 6	39.95
12	40.85	15	40.97	15	39.03	13	39.99
21	41.06	22	40.90	21	39.32	20	40.14
27	41.09	30	40.56	28	39.39	27	40.27
Mar. 6	41.07	June 5	40.30	Sept. 5	39.48	Dec. 4	40.29
14	41.15	12	40.18	11	39.46	11	40.52
21	41.04	19	40.42	18	39.63	19	40.58
28	40.97	26	41.26	25	39.69	26	40.63

3N 30E-12cd1. U. S. Geol. Survey. Drilled observation water-table well in Snake River basalt, diameter 6 inches, depth 500 feet, cased to 500, slot perforations below water level. Land-surface datum is 4,940.5 feet above msl datum of 1929 (preliminary). Highest water level 461.1 below lsd, May 3, 1950; lowest 463.4 below lsd, Sept. 22, 1950 and several subsequent dates. Records available: 1950. Measurement discontinued.

May 3	461.1	June 24	462.3	July 31	463.1	Sept. 4	463.1
11	462.5	July 3	462.9	Aug. 7	463.1	22	463.4
15	462.6	10	463.0	14	463.1	Oct. 23	463.4
30	462.8	17	462.9	21	463.1	Nov. 21	463.3
June 19	462.8	25	463.1	28	463.1	Dec. 20	463.3

3N 32E-29dd1. U. S. Geol. Survey. Drilled observation water-table well in Snake River basalt, diameter 6 to 5 inches, depth 704 feet, cased to 704, slot perforations below water level. Land-surface datum is 5,125.9 feet above mean sea-level datum of 1929 (preliminary). Highest water level 651.1 below lsd, Jan. 7, 8, 1950; lowest 657.2 below lsd, Feb. 8, 1950. Records available: 1950. Jan. 7, 651.1; Jan. 8, 651.1; Jan. 27, 654.1; Jan. 31, 654.4; Feb. 8, 657.2; May 2, 653.5; May 8, 653.7; May 14, 654.4; May 22, 654.8; May 29, 655.0. Measurement discontinued.

## Daily noon water level, from recorder graph

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	654.0	654.2	654.2	654.0	653.9	653.6
2	.....	654.1	654.2	654.1	654.1	654.0	653.8
3	.....	654.0	654.2	654.1	654.1	654.0	653.8
4	.....	654.0	654.2	654.1	654.0	653.9	653.8
5	653.8	654.1	654.2	654.1	653.9	653.8	654.0
6	.....	654.1	654.2	654.1	654.0	653.8	653.9
7	.....	654.1	654.2	654.0	654.1	653.7	653.7
8	.....	654.1	.....	654.1	654.0	653.7	653.9
9	.....	654.1	.....	654.0	654.0	653.9	654.1
10	.....	654.1	.....	654.0	654.1	653.8	654.1

## 3N 32E-29dd1--Continued.

Daily noon water level, from recorder graph

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	654.1	.....	654.0	654.1	653.6	654.0
12	653.8	654.3	.....	654.0	654.0	653.6	.....
13	.....	654.2	.....	654.0	654.0	653.3	.....
14	.....	654.1	654.1	654.0	653.9	653.3	.....
15	.....	654.1	654.2	654.0	653.9	653.6	.....
16	.....	654.1	654.2	654.0	653.8	653.5	.....
17	.....	654.1	654.2	653.9	653.9	653.5	.....
18	.....	654.1	654.2	654.0	653.9	653.5	653.5
19	.....	654.1	654.2	654.0	654.0	653.5	653.5
20	653.9	654.2	654.2	654.1	653.8	653.5	653.6
21	653.9	654.2	654.1	654.1	653.8	.....	653.6
22	653.8	654.2	654.1	654.0	653.9	.....	653.6
23	653.8	654.2	654.1	654.0	653.8	.....	653.6
24	653.9	654.2	654.1	654.0	653.8	.....	653.6
25	654.1	654.2	654.1	653.9	653.8	.....	653.5
26	654.0	654.2	654.2	654.0	653.8	.....	653.5
27	654.1	654.1	654.1	654.2	653.7	653.7	653.4
28	654.1	654.1	654.1	654.0	653.8	653.8	653.5
29	654.1	654.1	654.1	653.9	653.8	653.8	653.5
30	654.1	654.2	654.1	654.0	653.7	653.6	653.3
31		654.2	654.1		653.8		653.2

Canyon County

3N 3W-25aa1. Charles Imberg. Drilled unused water-table well, diameter 6 inches, reported depth 145 feet. Highest water level 6.9 below lsd, Sept. 23, 1949; lowest 12.5 below lsd, Feb. 23, 1942. Records available: 1933-50. Jan. 24, 11.1; Mar. 3, 12.1; June 30, 9.2; Aug. 29, 7.2; Oct. 30, 9.0; Dec. 8, 11.2.

3N 2W-23dc1. Mrs. A. J. Richards and others. Drilled stock and domestic water-table well, diameter 6 inches, reported depth 132 feet. Land-surface datum is 2,507.0 feet above msl datum of 1929 (preliminary). Highest water level 16.9 below lsd, Oct. 21, 1925; lowest 28.8 below lsd, Nov. 18, 1929. Records available: 1921, 1925, 1928-50. Mar. 6, 21.1; Mar. 26, 21.6; June 30, 21.5; Aug. 30, 17.2; Nov. 1, 18.4; Dec. 8, 19.5.

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 2,524.0 feet above msl datum of 1929 (preliminary). Highest water level 8.1 below lsd, Aug. 30, 1950; lowest, 21.0 below lsd, Apr. 21, 1924. Records available: 1921, 1924-25, 1928, 1933-50. Jan. 24, 12.8; Mar. 6, 13.7; Mar. 28, 13.9; Aug. 30, 8.1; Nov. 1, 9.4; Dec. 8, 12.2.

Cassia County

10S 23E-20dc1. City of Burley well 1. Dug unused water-table well in alluvial sand and gravel of Quaternary age, diameter 72 inches, reported depth 42 feet, concrete casing to 42. Highest water level 12.0 below lsd, Nov. 2, 1948 and Nov. 1, 1950; lowest 17.0 below lsd, May 1, 1948 and July 2, 1949. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	13.8	Apr. 1	15.1	July 2	13.4	Oct. 2	12.1
Feb. 1	14.1	May 1	16.3	Aug. 1	13.4	Nov. 1	12.0
Mar. 2	14.0	June 1	16.0	Sept. 1	13.6	Dec. 1	12.8

10S 23E-20dc3. City of Burley well 5. Drilled public supply artesian well in gravel and lava of Pliocene age below Burley lake beds, diameter 24 to 15 inches, depth 1,115 feet, cased to 469, open hole below 469. Highest water level 184 below lsd, Dec. 1, 1948; lowest 209 below lsd, Nov. 2, 1948. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	196	Apr. 1	192	July 2	189	Oct. 2	189
Feb. 1	194	May 1	192	Aug. 1	189	Nov. 1	189
Mar. 2	194	June 1	192	Sept. 1	189	Dec. 1	186

10S 25E-10ba1. Robert Simplot. Drilled stock water-table well in Snake River basalt, diameter 6 inches, depth about 175 feet. Highest water level 153.4 below lsd, Sept. 17, 1948; lowest 165.2 below lsd, May 19, 1949. Records available: 1928, 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 21	160.7	July 8	158.2	Aug. 5	157.6	Sept. 2	155.3
Apr. 21	161.1	15	157.8	12	157.3	8	154.7
June 17	159.3	22	157.5	19	156.0	Oct. 27	162.7
24	158.9	29	157.0	26	156.1	Dec. 20	158.4

11S 26E-14ab1. G. S. Matthews. Drilled stock water-table well in sand and gravel of Pleistocene age, diameter 4 inches, depth 157 feet, cased to 140, open hole below 140. Land-surface datum is 4,428.2 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 103.58 below lsd, Aug. 19, 1950; lowest 110.73 below lsd, Feb. 25, 1949. Records available: 1948-50.

Feb. 14	106.57	July 1	104.47	Aug. 5	106.07	Sept. 2	106.40
Mar. 21	109.72	8	104.45	12	107.20	8	108.50
Apr. 21	104.98	15	104.42	19	103.58	Oct. 27	107.31
June 17	104.80	22	104.49	26	109.97	Dec. 21	104.76
24	104.66	29	104.96				

11S 26E-26cc1. Robert Simplot. Dug unused water-table well in sand and gravel of Quaternary age, diameter 36 inches, depth 33 feet, cribbed with rock to 33. Land-surface datum is 4,401.2 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 30.22 below lsd, Oct. 27, 1950; lowest 32.22 below lsd, Sept. 25, 1948. Records available: 1928, 1948-50.

Mar. 21	31.95	July 1	30.64	Aug. 5	30.44	Sept. 2	30.31
Apr. 26	30.78	8	30.51	12	30.35	8	30.30
June 17	30.68	15	30.45	19	30.25	Oct. 27	30.22
24	30.65	22	30.37	26	30.27	Dec. 21	30.47

13S 22E-9dc1. Owner unknown. Dug unused water-table well in sand and gravel of Quaternary age, diameter 52 inches, depth 112 feet, cribbed with concrete and rock to 112. Highest water level 64.46 below lsd, Sept. 8, 1950; lowest 81.33 below lsd, June 10, 1949. Records available: 1948-50. Feb. 14, 73.44; Mar. 20, 75.47; Apr. 28, 77.15; July 22, 71.28; Sept. 8, 64.46; Dec. 20, 66.98.

13S 26E-24aa1. John C. Hitt. Dug irrigation water-table well in alluvial gravel of Quaternary age, diameter 36 inches, depth 34 feet, corrugated iron casing to 34, casing perforated 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, 1947; lowest 8.64 below lsd, Nov. 7, 1949. Records available: 1941-50.

Mar. 21	7.51	July 1	3.35	July 29	4.69	Aug. 26	5.33
Apr. 22	3.10	8	3.56	Aug. 5	4.80	Sept. 2	5.57
June 19	2.86	15	3.48	12	4.97	Oct. 27	6.27
24	2.75	22	4.46	19	5.18	Dec. 21	5.37

13S 27E-30bd1. J. D. Pierce. Dug irrigation water-table well in alluvial cobble gravel of Quaternary age, diameter 72 inches, depth 27 feet, concrete casing to 27, perforated below water level. Land-surface datum is 4,541.6 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 3.54 below lsd, June 8, 1949; lowest 7.87 below lsd, July 1, 1948. Records available: 1947-50. Mar. 21, 5.85; Apr. 20, 5.88; July 8, 6.35; 15, 6.29; Sept. 8, 7.32; Oct. 27, 6.64; Dec. 21, 5.58.

14S 27E-33ca1. Formerly bd1. Harold Oman. Dug irrigation water-table well, diameter 12 inches, reported depth 265 feet. Land-surface datum is 4,690.6 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 16.70 below lsd, Mar. 21, June 19, and 24, 1950; lowest 21.6 below lsd, Sept. 10, 1948. Records available: 1948-50.

Sept. 10, '48	21.60	Mar. 21, '50	16.70	July 15, '50	16.89	Aug. 19, '50	17.38
24	20.77	Apr. 19	16.92	22	17.06	26	17.53
Aug. 23, '49	17.85	22	16.85	29	17.11	Sept. 2	17.75
Sept. 17	17.79	June 19	16.70	Aug. 5	17.30	Oct. 27	18.87
28	17.22	24	16.70	12	17.29	Dec. 21	19.17
Nov. 7	17.97	July 8	16.87				

15S 24E-26bc1. Owner unknown. Unused dug water-table well in hillwash and gravel of Quaternary age, size 36 by 48 inches, depth 36 feet. Land-surface datum is 5,327.4 feet above msl datum of 1929, Pacific Northwest Supplementary Adjustment of 1947. Highest water level 33.03 below lsd, July 15, 1950; lowest 36 below lsd, dry, Nov. 7, 1949 and several subsequent dates. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 21	(f)	July 1	33.34	July 29	33.32	Aug. 26	34.08
Apr. 22	(f)	8	33.09	Aug. 5	33.39	Sept. 2	34.36
June 17	33.51	15	33.03	12	33.70	Dec. 21	35.45
24	33.43	22	33.17	19	33.80		

f Dry.

15S 25E-6ab1. Jenny Wake. Dug domestic water-table well in hillwash and 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 18.60 below lsd, July 1, 1950; lowest 31.09 below lsd, Mar. 21, 1950. Records available: 1948-50.

Mar. 21	31.09	July 1	18.60	July 29	21.09	Aug. 26	23.86
Apr. 22	28.40	8	18.67	Aug. 5	21.84	Sept. 2	24.60
June 17	21.17	15	19.30	12	22.62	Dec. 21	29.95
24	19.57	22	20.29	19	23.25		

16S 27E-26ba1 Formerly ab1. Cook. Dug stock water-table well in hillwash 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 10.82 below lsd, Aug. 26, 1950; lowest 36.4, dry below lsd, Apr. 22, 1950. Records available: 1936, 1938-50.

Mar. 21	31.93	July 1	16.33	July 29	11.79	Aug. 26	10.82
Apr. 22	(f)	8	14.45	Aug. 5	11.33	Sept. 2	10.88
June 17	23.57	15	13.26	12	11.06	Oct. 27	14.20
24	20.23	22	12.37	19	10.87	Dec. 21	19.48

f Dry.

#### Elmore County

1N 4E-23aa1. James O. Beck. Drilled unused water-table well in alluvial sand of Quaternary age, diameter 18 inches, depth 64 feet, cased to 64, perforated and gravel packed below water level. Highest water level 23.10 below lsd, Feb. 28, 1947; lowest 29.08 below lsd, Jan. 24, 1950. Records available: 1947-50. Jan. 24, 29.08; Dec. 22, 28.15.

#### Gem County

7N 2W-35ab1. R. J. Howard. Dug domestic water-table well in alluvial sand and gravel, diameter 36 inches, depth 100 feet, concrete casing. Highest water level 67.6 below lsd, Nov. 3, 1941; lowest 84.4 below lsd, May 23, 1950. Records available: 1941-42, 1948-50.

Jan. 7	75.4	Apr. 3	82.0	June 27	82.1	Oct. 9	77.5
16	73.9	12	82.4	July 4	81.9	16	77.0
23	77.1	17	82.3	18	81.7	24	76.3
31	77.6	25	82.6	25	81.6	30	75.7
Feb. 7	78.1	May 1	82.9	31	81.4	Nov. 7	76.9
14	78.8	16	83.7	Aug. 7	81.3	13	76.7
21	79.1	23	84.4	15	80.8	20	77.1
27	79.4	29	83.0	22	80.4	27	77.3
Mar. 6	79.4	June 6	82.5	Sept. 4	79.7	Dec. 5	77.7
13	79.9	12	82.7	11	79.2	12	77.9
20	80.6	19	82.5	25	78.4	18	77.9
27	81.6						

#### Gooding County

7S 15E-32ad1. Parr. Drilled stock water-table well in Snake River basalt, diameter 6 inches. Highest water level 117.8 below lsd, Dec. 23, 1949; lowest 150.9 below lsd, Mar. 10, 1949. Records available: 1948-50. Feb. 14, 119.4; Mar. 25, 124.6; May 27, 147.4; Aug. 1, 141.6; Oct. 27, 143.5; Dec. 18, 141.9. Measurement discontinued.



Jefferson County

8N 36E-9db1. W. A. Rausch. Drilled stock and domestic water-table well in Snake River basalt, diameter 6 inches, reported depth 67 feet. Land-surface datum is about 4,840 feet above msl. Highest water level 46.6 below lsd, Nov. 16, 1929; lowest 51.13 below lsd, June 27, 1950. 1929: Nov. 16, 46.6; 1949: Oct. 13, 49.33. Records available: 1929, 1949-50.

1950

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	48.74	Apr. 27	49.16	Aug. 8	49.54	Oct. 25	48.95
Feb. 12	48.96	May 17	47.76	15	49.34	Nov. 1	49.30
20	48.82	23	48.86	29	49.39	21	48.98
28	50.98	31	50.27	Sept. 5	49.37	29	48.99
Mar. 15	49.04	June 20	48.98	20	49.30	Dec. 6	49.00
30	49.18	27	51.13	Oct. 3	49.43	13	49.27
Apr. 5	49.04	July 18	49.52	11	49.20	20	49.09
13	49.06	25	49.54	18	49.26	27	49.60
19	48.88	Aug. 1	48.90				

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, open bottom. Land-surface datum is about 4,784 feet above msl. Highest water level 21.41 below lsd, Aug. 22, 1950; lowest 36.14 below lsd, Feb. 12, 1950. Records available: 1949-50. Sept. 27, 1949, 23.38; Oct. 8, 23.24; Oct. 14, 24.13; Dec. 10, 25.50.

1950

Jan. 23	34.19	Apr. 27	29.43	Aug. 1	21.92	Oct. 17	24.60
29	34.99	May 17	28.84	8	21.80	24	24.63
Feb. 12	36.14	23	28.20	15	a22.62	Nov. 7	a24.39
20	35.11	31	27.89	22	21.41	14	24.37
28	35.35	June 6	27.23	29	21.98	21	25.78
Mar. 15	28.21	13	26.77	Sept. 5	22.22	28	25.19
22	28.28	27	26.07	12	a24.49	Dec. 5	25.50
30	28.88	July 5	a24.55	19	24.96	12	25.42
Apr. 5	30.01	11	23.54	26	23.42	20	b26.97
13	29.54	18	23.28	Oct. 3	23.97	27	25.99
19	29.19	25	21.51	10	24.35		

a Pumping.

b Pumped recently.

7N 35E-25bd1. Owsley Canal Co. Drilled observation water-table well in Snake River basalt, diameter 6 inches, depth 45 feet in 1931, 26 feet in 1949 (probably filled with sand). Land-surface datum is 4,787.8 feet above msl (preliminary). Highest water level 2.80 below lsd, Dec. 10, 1931; lowest 12.67 below lsd, July 18, 1950. Records available: 1931-43, 1945, 1948-50.

Aug. 27, '31	2.82	Mar. 9, '35	6.95	Jan. 15, '39	8.12	June 12, '41	7.09
Nov. 23	2.83	Apr. 6	6.55	Mar. 15	7.37	July 2	7.42
Dec. 10	2.80	June 20	7.04	Apr. 20	5.90	16	7.92
17	3.67	Jan. 15, '36	7.32	May 15	6.05	27	c11.25
Jan. 29, '32	3.60	Mar. 27	6.82	June 30	7.49	Aug. 16	9.77
Feb. 17	3.64	May 15	6.79	July 15	7.91	28	7.71
Apr. 11	2.93	Sept. 24	8.02	Aug. 11	c11.47	Sept. 25	8.02
May 20	4.06	Nov. 6	8.20	Sept. 9	8.32	Oct. 3	7.81
June 9	4.06	Dec. 9	8.27	Oct. 20	7.77	Dec. 12	7.70
July 27	4.60	27	8.02	Nov. 10	7.87	Feb. 8, '42	7.44
Aug. 9	4.70	Apr. 15, '37	7.18	Dec. 27	7.80	Mar. 15	6.71
Sept. 8	4.74	May 26	7.52	Feb. 3, '40	7.47	May 10	5.92
Dec. 2	4.89	June 20	8.54	Mar. 15	7.25	June 23	6.80
Apr. 5, '33	3.08	Oct. 15	8.62	Apr. 10	6.73	July 14	7.62
June 2	4.00	30	8.29	May 15	6.10	19	8.07
Jan. 5, '34	4.05	Dec. 13	8.10	June 23	7.86	Aug. 1	c12.12
Apr. 4	5.18	Jan. 7, '38	8.23	July 11	c11.49	13	c12.52
22	5.30	Mar. 9	8.02	Aug. 10	c12.27	28	c12.44
May 25	5.48	Apr. 30	7.29	24	c12.27	Sept. 20	8.22
Aug. 24	6.06	Aug. 3	8.24	Sept. 22	8.62	Dec.	7.32
Sept. 5	6.58	Sept. 9	8.84	Dec. 1	7.89	May '43	5.22
22	6.43	21	8.37	Jan. 5, '41	7.74	Dec.	7.02
Nov. 15	7.08	Oct. 28	c11.40	Mar. 29	5.99	June 21, '45	4.28
Dec. 13	7.14	Dec. 1	8.46	June 1	6.82	28	4.26

c Nearby wells being pumped.

## 7N 35E-25bd1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 13, '45	4.95	Feb. 20, '50	4.87	July 5, '50	6.25	Oct. 10, '50	7.43
Aug. 3	6.18	Mar. 15	5.11	11	c11.19	17	7.14
28	6.23	30	4.80	18	c12.67	24	6.97
29	6.24	Apr. 5	4.67	25	c11.75	31	7.01
30	6.12	13	4.61	Aug. 1	9.57	Nov. 7	6.88
21, '48	7.62	19	4.72	8	c11.41	15	6.92
Sept. 10	7.54	27	4.09	15	c12.09	21	6.84
25	7.20	May 17	4.75	22	c11.90	28	6.70
28, '49	8.25	23	4.83	29	c11.60	Dec. 5	6.80
Oct. 8	6.99	31	5.78	Sept. 5	9.54	12	6.63
13	7.34	June 6	5.72	12	6.96	20	7.07
Jan. 26, '50	6.31	13	5.63	19	7.16	27	6.67
29	6.25	20	5.89	26	7.03		
Feb. 12	5.91	27	5.81	Oct. 3	7.99		

c Nearby wells being pumped.

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 13.55 below lsd, Aug. 29, 1950. Records available: 1921, 1949-50. Aug. 17, 1921, 10.00; Oct. 11, 1949, 12.4.

Jan. 23	11.83	May 17	12.29	Aug. 8	a21.40	Oct. 25	12.28
29	12.58	23	12.51	15	13.28	Nov. 1	12.48
Feb. 12	12.52	31	a17.47	22	13.31	8	12.41
20	12.26	June 6	12.39	29	13.55	15	12.52
28	11.51	13	12.78	Sept. 5	12.98	21	12.46
Mar. 15	12.39	19	12.59	13	12.64	29	12.37
30	12.41	27	a18.75	20	12.71	Dec. 6	12.35
Apr. 5	11.79	July 5	12.83	26	12.46	13	12.37
13	12.29	12	13.09	Oct. 4	12.43	21	12.54
19	12.49	25	13.02	11	12.59	28	12.43
27	12.12	Aug. 1	13.20	18	12.63		

a Pumping.

7N 37E-14cb1. Hillman Bros. Drilled stock and domestic water-table well in Snake River basalt, diameter 6 inches, depth 93 feet. Land-surface datum is about 4,866 feet above msl. Highest water level 70.3 below lsd, June 30, 1922; lowest 74.65 below lsd, June 20, 1950. Records available: 1922, 1929, 1949-50. June 30, 1922, 70.3; Sept. 22, 71.75; Nov. 9, 1929, 73.70; Oct. 11, 1949, 73.94.

## 1950

June 13	74.35	Aug. 8	74.41	Sept. 20	74.15	Nov. 21	73.93
20	74.65	15	74.39	26	73.90	29	73.93
27	74.47	22	74.28	Oct. 4	73.91	Dec. 5	73.94
July 5	74.25	29	74.36	11	74.05	13	73.96
18	74.33	Sept. 5	74.27	Nov. 1	74.33	21	74.13
25	74.40	13	74.14	8	73.94	28	74.04
Aug. 1	74.19						

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, open hole below 100. Land-surface datum is about 4,783 feet above msl datum of 1929 (preliminary). Highest water level 197.24 below lsd, Nov. 14, 1950; lowest 198.99 below lsd, Oct. 8, 1949. Records available: 1949-50. Sept. 27, 1949, 198.18; Oct. 8, 198.99; Oct. 14, 198.39; Dec. 10, 197.62.

## 1950

Feb. 20	198.39	June 6	198.18	Aug. 22	197.86	Oct. 24	197.73
Mar. 15	198.32	13	198.47	29	197.96	Nov. 7	197.75
22	198.21	27	198.66	Sept. 5	197.83	14	197.24
30	198.65	July 5	198.48	12	197.82	21	198.10
Apr. 5	198.53	18	198.22	19	197.84	28	198.24
13	198.46	25	198.33	26	197.63	Dec. 5	197.89
26	198.73	Aug. 1	198.32	Oct. 3	198.48	12	197.84
May 17	198.28	8	198.17	10	198.32	20	198.71
23	198.32	15	198.47	17	197.85	27	197.76

5N 34E-9bd1. U. S. Geol. Survey. Drilled observation water-table well in Snake River basalt, diameter 6 inches, depth 322 feet, cased to 322, perforated below water level, open bottom. Land-surface datum is 4,791.3 feet above msl datum of 1929 (preliminary). Highest water level 253.9 below lsd, Dec. 31, 1950; lowest 256.8 below lsd, Aug. 1, 6, 17, 1950. Records available: 1950. Mar. 15, 254.3; Mar. 30, 254.6; Apr. 26, 254.9.

Daily noon water level, from recorder graph

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

5N 36E-22aa1. O. W. Robeson. Drilled stock water-table well in Snake River basalt, diameter 6 inches, depth 240 feet. Land-surface datum is about 4,760 feet above msl. Highest water level 205.17 below lsd, Dec. 10, 1949; lowest, 209.13 below lsd, July 5, 1950. Records available: 1929, 1949-50. Nov. 6, 1929, 207.0; Oct. 6, 1949, 206.58; Oct. 13, 206.66; Dec. 13, 205.17.

1950

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	206.61	Apr. 27	205.79	July 25	207.67	Oct. 25	207.13
29	206.59	May 17	206.67	Aug. 1	207.71	Nov. 1	206.21
Feb. 12	206.93	23	206.85	9	207.72	8	206.07
20	206.85	31	207.15	30	207.46	15	205.99
28	206.99	June 6	207.00	Sept. 5	207.35	21	205.78
Mar. 15	205.85	13	207.28	13	207.22	29	205.69
22	205.71	20	206.53	20	207.16	6	205.36
30	206.05	27	207.55	26	206.89	13	205.41
Apr. 5	206.07	July 5	209.13	Oct. 4	206.74	21	205.64
13	206.12	12	207.78	11	206.79	28	205.43
19	206.24	19	207.65	18	206.53		

5N 36E-23cb1. George Lake. Dug stock and domestic water-table well in sand of Quaternary age, diameter 36 inches, depth 29 feet, cribbed with stone to 29. Land-surface datum is about 4,761 feet above msl. Highest water level 5.47 below lsd, Aug. 22, 1950; lowest 20.0 below lsd, Nov. 7, 1929. Records available: 1922, 1929, 1949-50. July 10, 1922, 13.25; Aug. 19, 11.35; Sept. 20, 1922, 14.35; Nov. 7, 1929, 20.00; Oct. 6, 1949, 9.82; Oct. 13, 10.32; Dec. 10, 15.01.

## 5N 36E-23cb1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15	18.72	June 6	15.59	Aug. 15	5.56	Oct. 25	11.35
22	18.83	13	14.94	22	5.47	Nov. 1	12.95
30	19.20	20	13.46	30	6.30	8	13.49
Apr. 5	19.08	27	12.51	Sept. 6	7.96	15	14.25
13	19.72	July 5	11.37	13	7.81	21	14.52
19	19.52	12	8.13	20	9.20	29	15.14
27	19.01	19	7.32	26	9.70	Dec. 6	15.33
May 17	19.20	25	7.23	Oct. 4	10.59	13	15.74
22	18.74	Aug. 1	7.57	11	11.45	21	16.17
31	17.81	9	7.29	18	11.98	28	16.52

4N 37E-28bb1. Barry O'Brien. Drilled stock and domestic water-table well in Snake River basalt and associated sediments, diameter 6 inches, depth 245 feet. Land-surface datum is about 4,787 feet above msl. Highest water level 211.76 below lsd, Oct. 10, 1949; lowest 229.59 below lsd, May 17, 1950. Records available: 1949-50. Oct. 10, 1949, 211.76; Dec. 10, 215.05.

## 1950

Mar. 15	224.48	June 27	228.02	Aug. 30	216.67	Nov. 1	214.38
Apr. 5	226.57	July 5	226.53	Sept. 6	216.00	8	214.85
13	227.58	12	224.58	13	215.14	15	215.20
27	228.05	19	223.13	20	214.53	21	215.72
May 17	229.59	25	222.02	26	214.06	29	216.24
31	229.45	Aug. 1	221.84	Oct. 4	213.85	Dec. 13	217.80
June 6	230.12	9	220.65	11	213.85	21	218.79
13	228.20	15	219.58	18	213.89	28	219.47
20	227.55	22	218.33	25	214.07		

## Jerome County

8S 19E-33ca1. U. S. Bureau of Reclamation. Drilled observation water-table well, diameter 12 inches, depth 403 feet (caved or bridged at 165.5 feet below lsd). Land-surface datum is about 3,946 feet above U. S. Bur. Recl. datum. Highest water level 158.6 below lsd, Oct. 22, 1948; lowest 170.1 below lsd, Dec. 22, 1949. Records available: 1946, 1948-50. July 31, 164.4; Dec. 19, 162.7.

9S 20E-1da1. U. S. Bureau of Reclamation. Drilled observation water-table well in Snake River basalt, diameter 8 to 6 inches, depth 400 feet, 8-inch casing to 12.3, perforated 6-inch casing liner from 340 to 400. Land-surface datum is 4,209.3 feet above U. S. Bur. Recl. datum. Highest water level 345.4 below lsd, Sept. 25, 1950; lowest 347.7 below lsd, Dec. 19, 1950. Records available: 1950. Daily noon water level from recorder graph, except on Dec. 19.

Sept. 6	346.5	Sept. 18	345.6	Sept. 29	345.6	Oct. 10	345.6
8	345.6	19	345.5	30	345.5	11	345.6
9	345.7	20	345.5	Oct. 1	345.5	17	345.6
10	345.7	21	345.6	2	345.5	18	345.9
11	345.6	22	345.5	3	345.6	19	346.1
12	345.6	23	345.5	4	345.5	20	346.0
13	345.6	24	345.4	5	345.5	21	346.0
14	345.6	25	345.4	6	345.5	22	346.0
15	345.6	26	345.6	7	345.7	23	346.0
16	345.7	27	345.7	8	345.7	Dec. 19	347.7
17	345.6	28	345.7	9	345.5		

10S 20E-5ba1. Ezra Walker. Drilled unused water-table well in Snake River basalt, diameter 6 inches, depth 325 feet, cased to rock at shallow depth, open hole below. Land-surface datum is about 4,098 feet above msl. Highest water level 245.4 below lsd, Oct. 5, 1950; lowest 269.6 below lsd, Aug. 1, 1929. Records available: 1929, 1949-50. Aug. 1, 1929, 269.6; Apr. 21, 1949, 255.8; May 20, 254.0; June 11, 252.0; Aug. 10, 247.7; Sept. 29, 246.2; Oct. 28, 247.3; Dec. 22, 250.1. Daily noon water level after Sept. 16, 1950 from recorder graph.

10S 20E-5ba1--Continued.

1950

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14	252.3	Oct. 8	245.8	Nov. 5	246.8	Dec. 3	247.8
Mar. 21	252.7	9	245.7	6	246.9	4	247.9
May 26	252.7	10	245.8	7	246.9	5	248.2
July 26	249.6	11	245.9	8	246.9	6	248.2
31	248.7	12	245.9	9	247.2	7	248.1
Sept. 9	246.3	13	245.9	10	247.2	8	248.2
16	245.8	14	245.9	11	247.2	9	248.4
17	245.7	15	245.8	12	247.1	10	248.4
18	245.9	16	245.8	13	247.1	11	248.4
19	245.9	17	245.8	14	247.0	12	248.4
20	246.0	18	246.0	15	247.2	13	248.4
21	246.0	19	246.2	16	247.2	14	248.4
22	245.9	20	246.2	17	247.3	15	248.5
23	245.9	21	246.2	18	247.2	19	248.7
24	245.8	22	246.3	19	247.2	20	248.9
25	245.7	23	246.4	20	247.4	21	248.9
26	245.7	24	246.4	21	247.6	22	249.0
27	245.7	25	246.3	22	247.6	23	249.0
28	245.7	26	246.3	23	247.7	24	249.0
29	245.5	27	246.3	24	247.8	25	248.9
30	245.5	28	246.3	25	247.8	26	248.9
Oct. 1	245.5	29	246.3	26	247.9	27	248.9
2	245.6	30	246.3	27	247.9	28	249.0
3	245.7	31	246.5	28	248.0	29	249.0
4	245.6	Nov. 1	246.6	29	247.9	30	248.9
5	245.5	2	246.8	30	247.8	31	248.9
6	245.6	3	246.9	Dec. 1	247.7		
7	245.8	4	246.9	2	247.9		

## Kootenai County

53N 4W-24bb1. Washington Water Power Co. well 91. C. T. Jurgens. Dug stock and domestic water-table well in fluvio-glacial 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; lowest 478.1 below lsd, Jan. 15, 1932. Records available: 1929-50. Weekly reading of nonrecording gage by owner.

Jan. 2	455.5	Apr. 9	456.4	July 3	449.0	Oct. 2	448.6
9	455.8	10	456.4	10	448.6	9	448.8
16	455.9	17	455.8	17	448.2	16	449.0
23	456.1	24	455.1	24	447.9	23	449.2
30	456.3	May 1	454.2	31	447.8	30	449.4
Feb. 2	456.4	8	453.8	Aug. 7	447.7	Nov. 6	449.6
13	456.6	15	453.1	14	447.7	13	449.8
20	456.8	22	451.8	21	447.6	20	450.1
27	456.9	29	451.8	28	447.9	27	450.3
Mar. 6	457.0	June 5	451.3	Sept. 4	448.0	Dec. 4	450.5
13	457.2	12	450.6	11	448.1	11	450.8
20	457.2	19	450.1	18	448.3	18	451.1
27	457.1	26	449.5	25	448.4	25	451.1
Apr. 3	456.8	29	449.3				

53N 3W-31aa1. A. L. Ramm. Dug and drilled unused water-table well in fluvio-glacial 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 to Aug. 13, 1950; lowest 355.4 below lsd, Mar. 29, 1950. Records available: 1948-50.

## Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	353.3	352.7	353.6	354.7	349.8	347.5	346.6	346.1	346.5	347.2	348.2	349.1
2	353.3	352.7	353.6	354.5	349.7	347.5	346.6	346.1	346.5	347.3	348.2	349.2
3	353.3	352.6	353.7	354.3	349.6	347.4	346.6	346.1	346.6	347.3	348.3	349.2
4	353.3	352.6	353.8	354.1	349.5	347.4	346.6	346.1	346.6	347.3	348.3	349.3
5	353.3	352.6	353.8	353.9	349.5	347.3	346.5	346.1	346.6	347.3	348.3	349.3

## 53N 3W-31aa1--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	353.4	352.6	353.9	353.7	349.4	347.3	346.5	346.1	346.6	347.4	348.4	349.3
7	353.4	352.5	353.9	353.5	349.3	347.2	346.5	346.1	346.7	347.4	348.4	349.3
8	353.5	352.5	353.9	353.3	349.3	347.2	346.4	346.1	346.7	347.5	348.4	349.4
9	353.4	352.5	354.0	353.1	349.2	347.1	346.4	346.1	346.7	347.5	348.5	349.4
10	353.4	352.6	354.0	352.9	349.1	347.1	346.4	346.1	346.7	347.5	348.5	349.4
11	353.3	352.6	354.1	352.8	349.1	347.1	346.3	346.1	346.7	347.5	348.5	349.5
12	353.3	352.7	354.1	352.6	349.0	347.0	346.3	346.1	346.7	347.6	348.6	349.5
13	353.3	352.7	354.2	352.5	349.0	347.0	346.3	346.2	346.8	347.6	348.6	349.5
14	353.3	352.8	354.2	352.3	348.9	347.0	346.2	346.2	346.8	347.6	348.6	349.6
15	353.2	352.8	354.3	352.2	348.9	346.9	346.2	346.2	346.8	347.7	348.7	349.6
16	353.2	352.9	354.4	352.0	348.8	346.9	346.2	346.2	346.8	347.7	348.7	349.6
17	353.2	352.9	354.4	351.9	348.7	346.9	346.2	346.3	346.9	347.7	348.7	349.6
18	353.1	353.0	354.5	351.8	348.6	346.9	346.1	346.3	346.9	347.8	348.7	349.6
19	353.1	353.0	354.6	351.6	348.6	346.9	346.1	346.3	346.9	347.8	348.8	349.6
20	353.1	353.1	354.6	351.5	348.5	346.9	346.1	346.3	346.9	347.8	348.8	349.7
21	353.1	353.1	354.7	351.3	348.4	346.8	346.1	346.3	347.0	347.9	348.8	349.7
22	353.0	353.2	354.8	351.2	348.3	346.8	346.1	346.4	347.0	347.9	348.9	349.8
23	353.0	353.2	354.8	351.0	348.2	346.8	346.1	346.4	347.0	348.0	348.9	349.8
24	352.9	353.3	354.9	350.8	348.0	346.8	346.1	346.4	347.0	348.0	349.0	349.8
25	352.9	353.3	355.0	350.7	347.9	346.7	346.1	346.4	347.1	348.0	349.0	349.9
26	352.9	353.4	355.1	350.5	347.8	346.7	346.1	346.5	347.1	348.0	349.0	349.9
27	352.8	353.5	355.2	350.4	347.8	346.7	346.1	346.5	347.1	348.0	349.0	349.9
28	352.8	353.5	355.3	350.2	347.7	346.7	346.1	346.5	347.1	348.1	349.1	349.9
29	352.8		355.4	350.1	347.7	346.7	346.1	346.5	347.2	348.1	349.1	350.0
30	352.7		355.2	349.9	347.6	346.6	346.1	346.5	347.2	348.1	349.1	350.0
31	352.7		354.9		347.6		346.1	346.5		348.2		350.0

53N 2W-3bc1. U. S. Navy. Drilled public supply water-table well in fluvioglacial gravel of Pleistocene age, diameter 18 inches, depth 331 feet, cased to 331, perforated 266 to 326 feet. 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: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 5	221	Aug. 30	219	Oct. 25	a227	Dec. 5	221
July 6	215	Oct. 2	223	Nov. 6	221	11	220
Aug. 11	216	9	222	20	221	15	221
18	220	16	221	27	220	18	221
25	222						

a Pumping.

53N 2W-8cc1. Idaho Department of Fish and Game (formerly U. S. War Assets Administration). Drilled unused water-table well in fluvioglacial gravel, diameter 12 inches. Land-surface datum is 2,440.5 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 389.2 below lsd, Aug. 30, 1950; lowest. 393.8 below lsd, Apr. 7, 1950. Records available: 1950. Apr. 7, 393.8; Aug. 30, 389.2; Oct. 25, 392.8; Dec. 17, 393.3.

53N 2W-9aa1. Idaho Department of Fish and Game (formerly U. S. War Assets Administration). Drilled unused water-table well in fluvioglacial gravel of Pleistocene age, diameter 16 inches, depth 351 feet, cased to 351, perforated from 280 to 345 feet. Land-surface datum is 2,291.5 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 228 below lsd, June 8, 1948; lowest 252 below lsd, Jan. 2 and Oct. 30, 1944. Records available: 1943-50. Daily noon water level after Oct. 25 from recorder graph.

Apr. 7	242.6	Nov. 3	241.7	Nov. 15	241.4	Nov. 27	241.7
July 6	239.6	4	241.6	16	241.4	28	241.8
Aug. 30	240.0	5	241.5	17	241.4	29	241.8
Oct. 25	242.4	6	241.5	18	241.5	30	241.8
26	242.3	7	241.4	19	241.5	Dec. 1	241.8
27	242.2	8	241.4	20	241.5	2	241.8
28	242.2	9	241.4	21	241.6	3	241.8
29	242.2	10	241.3	22	241.6	4	241.8
30	242.1	11	241.3	23	241.6	5	241.8
31	242.0	12	241.3	24	241.7	6	241.8
Nov. 1	241.9	13	241.3	25	241.7	7	241.8
2	241.8	14	241.3	26	241.7	8	241.8

## 53N 2W-9aa1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 9	241.8	Dec. 15	241.9	Dec. 21	241.7	Dec. 27	241.1
10	241.8	16	241.9	22	241.7	28	241.0
11	241.9	17	241.9	23	241.6	29	240.9
12	241.9	18	241.8	24	241.5	30	240.8
13	241.9	19	241.8	25	241.4	31	240.7
14	241.9	20	241.8	26	241.2		

52N 4W-35dc1. J. H. Dye. Dug stock and domestic water-table well in fluvioglacial gravel of Pleistocene age, diameter 6 inches (dug hole backfilled around casing), depth 305 feet, cased to 305, open bottom. Land-surface datum is 2,314.0 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 291.4 below lsd, Oct. 25, 1950; lowest 301.3 below lsd, Mar. 19, 1949. Records available: 1948-50. Jan. 5, 297.5; Mar. 30, 299.4; Apr. 13, 298.4; July 6, 295.5; Aug. 31, 294.9; Oct. 25, 291.4; Dec. 16, 292.6.

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 154.9 below lsd, Oct. 26, 1950; lowest 175.5, Nov. 27, 1941. Records available: 1941, 1948-50. Jan. 6, 161.8; Mar. 30, 159.3; Apr. 13, 158.2; Oct. 26, 154.9; Dec. 14, 154.9.

51N 5W-28ad1. J. O. Self. Dug stock water-table well in fluvioglacial gravel of Pleistocene age, diameter 4 inches (hole backfilled around casing), depth 163 feet, cased to 163, open bottom. Land-surface datum is 2,143.7 feet above msl datum of 1929 Pacific Northwest Adjustment of 1947. Highest water level 137.8 below lsd, Sept. 1, 1950; lowest 147.7 below lsd, May 26, 1948. Records available: 1948-50. Jan. 6, 145.4; Mar. 30, 143.8; Apr. 13, 142.8; July 6, 145.9; Sept. 1, 137.8; Oct. 26, 139.6; Dec. 14, 140.8.

51N 5W-31bc1. Peter Beck. Dug and drilled stock and domestic water-table well in fluvioglacial gravel and sand of Pleistocene age, diameter 7 inches, reported depth 156 feet, cased to 152 (backfilled around casing). 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, 1948-50. Jan. 6, 121.9; Mar. 30, 116.1; Apr. 13, 114.9; July 6, 109.8; Sept. 1, 114.5; Oct. 26, 116.7; Dec. 14, 116.8.

51N 5W-33bb1. Washington Water Power Company well 58. Spokane International Railway Co. Dug railroad water-table well in fluvioglacial gravel of Pleistocene age, diameter 60 inches, depth 174 feet, concrete casing to 174, open bottom. Land-surface datum is 2,137.6 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 134.1 below lsd, June 29, 1950; lowest 166.6 below lsd, Feb. 11, 1932. Records available: 1928-50.

Jan. 6	144.5	Apr. 9	140.0	June 29	134.1	Oct. 26	138.6
Mar. 21	142.6	13	139.7	Sept. 1	136.4	Dec. 14	139.4
30	140.9	June 13	134.6	Oct. 9	137.9		

51N 4W-7bc1. Ralph Preuninger. Formerly Skinner Estate. Drilled unused water-table well in fluvioglacial gravel and sand of Pleistocene age, diameter 8 to 5 inches. Land-surface datum is 2,267.1 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 251.8 below lsd, June 23, 1949; lowest 272.4 below lsd, July 22, 1942. Records available: 1942, 1948-50. Jan. 6, 255.1; Mar. 30, 258.9; Apr. 13, 259.1; July 7, 258.1; Sept. 1, 254.4; Oct. 26, 251.9; Dec. 16, 255.0.

51N 4W-10cc1. Kootenai County. Formerly U. S. Civil Aeronautics Authority. Drilled unused water-table well in fluvioglacial gravel of Pleistocene age, diameter 4 inches. 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, 1948-50. Mar. 30, 277.6; Apr. 13, 277.2; July 7, 276.8; Aug. 31, 269.2; Oct. 25, 270.5; Dec. 16, 271.7.

51N 4W-18dc1. Clarence Feely. Drilled unused water-table well in fluvioglacial sand and gravel, diameter 6 inches, reported depth 285 feet, cased to 285, open bottom. 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 below lsd, Nov. 28, 1941. Records available: 1941, 1948-50.

Nov. 28, '41 (f)	Sept. 7, '49	249.2	July 6	252.6	Oct. 26	245.9
June 11, '48	Apr. 13, '50	252.1	Sept. 1, '50	244.8	Dec. 16	247.6
Aug. 27						

f Dry at 278.

51N 4W-26ba1. Rudolph. Drilled-stock and domestic water-table well in fluvialglacial 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, July 22, 1942. Records available: 1942, 1948-50. Jan. 6, 254.1; Mar. 30, 256.6; Apr. 13, 256.1; July 6, 247.2; Aug. 31, 246.2; Oct. 25, 247.2; Dec. 16, 249.2.

50N 5W-1aa1. Washington Water Power Company well 96. Post Falls Irrigation District. Dug public supply water-table well in fluvialglacial 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: 1929-50. Except as otherwise noted, pump in well was shut down for 20 minutes prior to each measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	186.7	Apr. 9	185.9	June 13	180.6	Oct. 26	178.0
Mar. 21	a187.6	13	185.8	Sept. 1	176.1	Dec. 14	180.3
30	186.6						

a Pumping.

50N 4W-13cc1. Schroeder (Coeur d'Alene Laundry). Dug and drilled unused water-table well in fluvialglacial sand and gravel of Pleistocene age, diameter 8 inches, depth 112 feet, cased to 112, 1/16-inch round perforations below water level, open bottom. Land-surface datum is 2,143.4 feet above msl datum of 1929, Pacific Northwest Adjustment of 1947. Highest water level 63.4 below lsd, June 22, 1950 (and several subsequent dates); lowest 73.6 below lsd, Mar. 21, 1949. Records available: 1949-50. Recording gage removed Oct. 25, 1950. Measurement discontinued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	68.7	70.2	71.5	69.5	67.2	64.8	63.4	65.3	65.7	65.8
2	68.7	70.2	71.5	69.4	67.1	64.7	63.4	65.3	65.7	65.8
3	68.8	70.2	71.6	69.3	67.1	64.5	63.5	65.4	65.7	65.8
4	68.8	70.3	71.6	69.2	67.0	64.4	63.5	65.4	65.7	65.8
5	68.8	70.3	71.6	69.1	67.0	64.2	63.6	65.5	65.7	65.7
6	68.9	70.4	71.6	69.0	67.0	64.2	63.6	65.5	65.7	65.8
7	68.9	70.4	71.6	69.0	66.9	64.1	63.7	65.5	65.7	65.8
8	68.9	70.5	71.5	68.9	66.9	64.1	63.7	65.5	65.7	65.8
9	69.0	70.5	71.5	68.8	66.9	64.0	63.8	65.6	65.7	65.8
10	69.0	70.6	71.4	68.8	66.9	63.9	63.9	65.6	65.7	65.8
11	69.1	70.6	71.3	68.7	66.9	63.8	64.0	65.6	65.7	65.9
12	69.1	70.7	71.3	68.6	66.8	63.8	64.0	65.6	65.7	65.9
13	69.1	70.8	71.2	68.5	66.8	63.8	64.1	65.6	65.7	65.9
14	69.2	70.8	71.1	68.5	66.8	63.7	64.2	65.6	65.7	65.9
15	69.2	70.8	71.1	68.4	66.8	63.7	64.3	65.6	65.7	65.9
16	69.3	70.9	71.0	68.3	66.7	63.7	64.4	65.6	65.7	65.9
17	69.3	70.9	70.9	68.3	66.7	63.7	64.5	65.6	65.7	66.0
18	69.4	71.0	70.8	68.2	66.6	63.6	64.6	65.6	65.7	66.0
19	69.4	71.0	70.8	68.2	66.5	63.6	64.7	65.6	65.7	66.0
20	69.5	71.1	70.7	68.1	66.4	63.5	64.7	65.6	65.7	66.0
21	69.5	71.1	70.6	68.0	66.2	63.5	64.8	65.6	65.7	66.0
22	69.6	71.2	70.5	67.9	66.1	63.5	64.9	65.6	65.7	66.0
23	69.6	71.2	70.4	67.9	66.0	63.4	65.0	65.6	65.7	66.1
24	69.7	71.3	70.3	67.8	65.8	63.4	65.0	65.6	65.7	66.1
25	69.8	71.3	70.2	67.7	65.7	63.4	65.1	65.6	65.7	66.1
26	69.8	71.4	70.0	67.6	65.5	63.4	65.1	65.6	65.7	....
27	69.9	71.4	69.9	67.5	65.4	63.4	65.2	65.7	65.8	....
28	69.9	71.5	69.9	67.4	65.3	63.4	65.2	65.7	65.8	....
29	70.0		69.8	67.3	65.1	63.4	65.3	65.7	65.7	....
30	70.0		69.7	67.3	65.0	63.4	65.3	65.7	65.8	....
31	70.1		69.6		64.9		65.3	65.7		....

#### 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 70.00 below lsd, Dec. 18, 1950. Records available: 1937-40, 1947-50. Jan. 4, 65.48; Mar. 29, 65.41; Apr. 14, 67.21; Aug. 29, 69.95; Oct. 27, 68.30; Dec. 16, 70.00.



39N 5W-10ac1. U. S. Geol. Survey. Driven observation water-table well in alluvial sand and gravel of Quaternary age, diameter  $1\frac{1}{2}$  inches, depth 21 feet, cased to 21. Highest water level 5.97 below lsd, Mar. 21, 1949; lowest 17.61 below lsd, Feb. 1, 1937. Records available: 1934-40, 1947-50. Jan. 4, 15.34; Mar. 29, 9.00; Apr. 14, 8.12; Aug. 29, 13.88; Oct. 27, 14.76; Dec. 18, 15.24.

Minidoka County

8S 23E-27bd1. U. S. Bur. of Reclamation well C. Drilled irrigation water-table well in Snake River basalt, diameter 20 inches, depth 260 feet, cased to 21, open hole below 21. Land-surface datum is 4,284.5 feet above U. S. Bur. of Reclamation datum. Highest water level 176.2 below lsd, Dec. 20, 1950; lowest 179.9 below lsd, May 25, 1950. Records available: 1948-50. May 25, 179.9; July 26, 192.1, pumping; Oct. 13, 178.5; Dec. 20, 178.6.

8S 24E-7da1. U. S. Bur. of Reclamation well B. Drilled irrigation water-table well in Snake River basalt, diameter 20 inches, depth 240 feet, cased to 31, open hole below 31. Land-surface datum is 4,288.1 feet above U. S. Bur. of Reclamation datum. Highest water level 167.4 below lsd, Oct. 22, 1948; lowest 168.9 below lsd, May 3, 1948. Records available: 1948-50. July 26, 169.9, pumping; Oct. 16, 167, pressure altitude-gage reading; Dec. 20, 167.8.

8S 24E-11ba1. U. S. Bur. of Reclamation well A. Drilled irrigation water-table well in Snake River basalt, diameter 20 inches, depth 225 feet, cased to 50, open hole below 50. Land-surface datum is 4,300.6 feet above U. S. Bur. of Reclamation datum. Highest water level 162.7 below lsd, Sept. 25, 1948; lowest 164.8 below lsd, Apr. 22, 1949. Records available: 1948-50. Feb. 17, 164.6; Mar. 22, 164.6; May 25, 165.1, pumping; July 17, 164.6; 21, 164.5; 26, 164.6, pumping; 28, 164.4; Sept. 8, 166.4, pumping; Oct. 13, 163.7; Nov. 27, 164.0; Dec. 20, 164.2. Water level reflects regional recharge.

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. Bur. of Reclamation datum. Highest water level 149.7 below lsd, May 25, 1950; lowest 150.8 below lsd, Dec. 22, 1949 and Dec. 19, 1950. Records available: 1949-50. May 25, 149.7; Sept. 17, 150.2; Oct. 12, 150.1; Dec. 19, 150.8.

9S 22E-16ca1. Howard W. Moffat. Formerly Mesa Land Co. Drilled irrigation water-table well in Snake River basalt, diameter 21 inches, reported depth 333 feet, cased to 70, open hole below 70. Land-surface datum is 4,255.3 feet above U. S. Bur. of Reclamation datum. Highest water level 239.9 below lsd, Dec. 21, 1949; lowest 241.9 below lsd, Aug. 10, 1949. Records available: 1948-50. May 25, 241.4, pump stopped 30 minutes prior to measurement; July 26, 240.9, pump stopped 10 minutes prior to measurement; Oct. 19, 240.9; Dec. 19, 240.1.

9S 22E-33ab1. U. S. Bur. of Reclamation. Drilled unused (formerly military supply) water-table well in Snake River basalt, diameter 12 inches, depth 257 feet, stove pipe casing to basalt bedrock at shallow depth, open hole below. Land-surface datum is 4,234.7 feet above U. S. Bur. of Reclamation datum. Highest water level 223.5 below lsd, Dec. 30, 1950; lowest 225.7, Sept. 7, 1950. Records available: 1947, 1950. 1947: Oct. 30, 224.4. This well will replace 9S 22E-33ad1, in which an irrigation pump has been installed. Water level influenced somewhat by local irrigation.

Daily noon water level, from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 7	225.7	Sept. 27	224.7	Oct. 17	224.5	Nov. 4	224.2
8	225.5	28	224.6	18	224.4	5	224.2
9	225.4	29	224.4	19	224.2	6	224.2
10	225.3	Oct. 2	224.2	20	224.3	7	224.0
11	225.2	3	224.3	21	224.3	8	224.1
12	225.1	4	224.4	22	224.3	9	224.3
13	225.0	5	224.5	23	224.3	10	224.1
14	225.0	6	224.4	24	224.3	11	224.0
15	225.0	7	224.4	25	224.3	12	224.0
18	224.8	8	224.6	26	224.3	13	223.9
19	224.9	9	224.6	27	224.3	14	223.8
20	224.9	10	224.6	28	224.2	15	223.8
21	224.8	11	224.6	29	224.2	16	224.1
22	224.7	12	224.6	30	224.2	17	224.1
23	224.6	13	224.6	31	224.2	18	224.3
24	224.6	14	224.5	Nov. 1	224.2	19	224.2
25	224.6	15	224.6	2	224.3	20	224.3
26	224.5	16	224.5	3	224.3	21	224.2

## 9S 22E-33ab1--Continued.

Daily noon water level, from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 22	224.2	Dec. 2	224.2	Dec. 12	223.9	Dec. 22	223.9
23	224.2	3	223.9	13	223.8	23	223.9
24	224.2	4	224.1	14	223.8	24	223.8
25	224.2	5	224.3	15	223.8	25	223.9
26	224.2	6	223.9	16	223.8	26	223.9
27	224.2	7	223.8	17	223.8	27	223.9
28	224.2	8	223.9	18	223.9	28	223.7
29	224.1	9	224.0	19	223.9	29	223.9
30	223.9	10	223.9	20	223.9	30	223.5
Dec. 1	224.1	11	223.9	21	223.9	31	223.7

9S 22E-33ad1. U. S. Bur. of Reclamation. Drilled irrigation water-table well in Snake River basalt, diameter 12 inches, depth 252 feet, cased to about 90, open hole below. Land-surface datum is 4,240.4 feet above U. S. Bur. of Reclamation datum. Highest water level 226.5 below lsd, Jan. 14, 1950; lowest 228.9 below lsd, Aug. 27, 1949. Records available: 1947-50. Pump installed Oct. 16, 1950. This well replaced by nearby well 9S 22E-33ab1. Recording gage installed Jan. 10, 1950 and removed Oct. 16, 1950. Measurement discontinued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	.....	227.1	227.2	227.2	227.7	228.1	228.2	228.2	228.0	227.4
2	.....	227.2	227.2	227.2	227.8	228.2	228.2	228.2	228.0	227.5
3	.....	227.1	227.2	227.2	227.8	228.3	228.2	228.2	228.0	227.6
4	.....	226.9	227.2	227.3	227.9	228.2	228.2	228.2	227.9	227.4
5	.....	226.9	227.1	227.3	227.9	228.1	228.2	228.1	227.9	227.2
6	.....	226.9	227.2	227.4	228.0	227.9	228.2	228.1	227.9	227.4
7	.....	227.0	227.2	227.4	228.0	228.0	228.1	228.1	227.9	227.6
8	.....	227.0	227.1	227.4	228.0	228.2	228.2	228.1	227.8	227.4
9	.....	227.0	227.2	227.5	228.1	228.2	228.2	228.1	227.8	227.4
10	226.7	226.8	227.1	227.5	228.1	228.1	228.3	228.1	227.8	227.5
11	226.6	226.9	227.2	227.6	228.2	228.0	228.3	228.0	227.8	227.5
12	226.6	227.1	227.2	227.7	228.2	228.2	228.2	228.1	227.8	227.4
13	226.7	227.1	227.2	227.7	228.3	228.2	228.1	228.1	227.8	227.4
14	226.5	227.1	227.2	227.8	228.3	228.1	228.1	228.1	227.7	227.3
15	.....	227.1	227.2	227.8	228.4	228.1	228.1	228.1	227.7	227.3
16	226.7	227.0	227.2	227.7	228.4	228.1	228.1	228.2	227.6	227.2
17	226.7	227.1	227.1	227.7	228.3	228.1	228.1	228.2	227.6	.....
18	226.7	227.2	227.2	227.7	228.5	228.2	228.1	228.1	227.7	.....
19	226.8	227.2	227.2	227.7	228.5	228.2	228.3	228.1	227.7	.....
20	226.9	227.1	227.2	227.7	228.5	228.2	228.3	228.1	227.8	.....
21	226.9	227.2	227.2	227.7	228.5	228.1	228.2	228.0	227.8	.....
22	226.8	227.1	227.1	227.7	228.4	228.1	228.2	227.9	227.7	.....
23	226.5	227.1	227.2	227.6	228.4	228.2	228.2	228.0	227.7	.....
24	226.5	227.1	227.2	227.6	228.5	228.1	228.2	228.0	227.6	.....
25	226.8	227.2	226.9	227.6	228.2	228.3	228.1	228.0	227.5	.....
26	226.9	227.2	227.0	227.6	228.2	228.3	228.1	228.0	227.5	.....
27	226.8	227.1	227.0	227.6	228.1	228.3	228.1	228.0	227.6	.....
28	.....	227.2	227.0	227.5	228.1	228.3	228.1	228.0	227.7	.....
29	.....	.....	227.1	227.6	228.2	228.3	228.1	227.9	227.5	.....
30	226.8	.....	227.1	227.7	228.2	228.3	228.1	227.9	227.4	.....
31	227.0	.....	227.1	.....	228.2	.....	228.2	227.9	.....	.....

9S 24E-1db2. Louis Madrid. Drilled domestic water-table well in Snake River basalt and interbedded sediments, diameter 6 inches, depth 88 feet. Land-surface datum is 4,203.1 feet above U. S. Bur. of Reclamation datum. Highest water level 54.26 below lsd, Sept. 15, 1948; lowest 71.33 below lsd, Feb. 14, 1950. Records available: 1947-50. Feb. 14, 71.33; May 25, 67.32; July 28, 58.54; Sept. 8, 55.93; Oct. 13, 60.66; Dec. 19, 67.08. Water level influenced strongly by local irrigation.

## 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 25.91 below lsd, May 4, 1948; lowest 28.09 below lsd, Sept. 27, 1949. Records available: 1947-50. Mar. 23, 27.14; Sept. 6, 27.84.

11S 35E-31ac1. Russell Daniels. Drilled unused water-table well in river gravel of Quaternary age, diameter 4 inches, depth 92 feet. Highest water level 31.06 below lsd, May 4, 1948; lowest 44.35 below lsd, Sept. 6, 1950. Records available: 1947-50. Mar. 23, 33.96; Sept. 6, 44.35.

13S 35E-33cc1. Mrs. K. T. Jones. Drilled unused water-table well in rocks of Paleozoic age, diameter 4 inches, depth 328 feet. Highest water level 293.8 below lsd, July 2, 1948; lowest 298.1 below lsd, Oct. 25, 1948. Records available: 1946-50. Sept. 6, 294.2.

13S 35E-36cc1. Dave Deschamps. Drilled unused water-table well in sediments of Pleistocene age, diameter 4 inches, depth 131 feet. Highest water level 81.6 below lsd, Apr. 9, 1947; lowest 83.08 below lsd, July 2, 1948. Records available: 1946-50. Mar. 24, 82.27; Sept. 6, 82.29.

14S 33E-31ab1. Myrle Hubbard. Drilled domestic water-table well in Bonneville formation, diameter 4 inches, reported depth 70 feet. Highest water level 3.30 below lsd, May 17, 1949; lowest 7.2 below lsd, July 28, 1941. Records available: 1941-50. Mar. 23, 4.63. Measurement discontinued.

14S 34E-31da1. Roy Davis. Drilled unused water-table well in rocks of Paleozoic age, diameter 4 inches, depth 399 feet. Highest water level 380.4 below lsd, July 2, 1948; lowest 388.7 below lsd, Sept. 8, 1950. Records available: 1947-50. Mar. 23, 380.8; Sept. 8, 388.7.

14S 35E-10ab1. John W. Leavitt. Drilled unused water-table well in Bonneville formation, diameter 4 inches. Land-surface datum is 4,769.4 feet above msl (preliminary). Highest water level 115.4 below lsd, May 4, 1948; lowest 124.6 below lsd, Oct. 13, 1947. Records available: 1931, 1943-50. Mar. 24, 117.8; Sept. 7, 117.4.

14S 35E-13db1. Progressive Pump Co. Drilled irrigation water-table well in delta beds of the Bonneville formation, diameter 14 inches, depth 289 feet, cased to 289, perforated opposite all gravels 114-289. Highest water level 66.66 below lsd, May 4, 1948; lowest 76.34 below lsd, Oct. 21, 1944. Records available: 1943-50. Mar. 24, 69.45; Sept. 7, 99.63, pumping; Oct. 25, 73.71.

14S 35E-27aa1. Davis & Ipsen. Drilled irrigation water-table well in Bonneville formation, diameter 14 inches, depth 210 feet, cased to 210, perforated opposite all gravels 55-210. Highest water level 52.65 below lsd, Apr. 9, 1947; lowest 60.05 below lsd, Oct. 25, 1948. Records available: 1943-50. Mar. 24, 59.79; Oct. 25, 58.98.

14S 35E-35bd1. John W. Price. Drilled stock and domestic artesian well in Bonneville formation, diameter 3 inches, reported depth 360 feet. Highest water level 29.0 above lsd, Feb. 25, 1946; lowest 10.5 above lsd, Sept. 7, 1950. Records available: 1943-50. Mar. 23, +24.5; Sept. 7, +10.5; Oct. 25, +17.2. Flowing prior to measurement.

14S 35E-36bc1. Smith & Illum. Drilled irrigation artesian well in Bonneville formation, 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: 1943-50. Mar. 23, 17.39.

14S 36E-3ca1. Walter K. Dastrup. Drilled irrigation water-table well in Bonneville formation, diameter 14 inches, depth 402 feet, cased to 402, perforations 89-122. Land-surface datum is 4,850.0 feet above msl (preliminary). Highest water level 59.15 below lsd, Oct. 16, 1932; lowest 72.75 below lsd, Apr. 12, 1932. Records available: 1931-32, 1943-50. Mar. 24, 68.36.

14S 36E-29ba1. R. R. Jones. Drilled unused artesian well in Bonneville formation, diameter 4 inches, depth 302 feet. Land-surface datum is 4,510.8 feet above msl (preliminary). Highest water level 23.18 below lsd, July 20, 1943; lowest 33.40 below lsd, Sept. 7, 1950. Records available: 1931, 1943-50. Mar. 23, 29.62; Sept. 7, 33.40; Oct. 25, 25.93.

14S 36E-32aa1. R. J. Harding. Drilled stock artesian well in Bonneville formation, diameter 4 inches, depth 194 feet. Land-surface datum is 4,476.9 feet above msl (preliminary). Highest water level 7.6 above lsd, May 2, 1944 and Feb. 25, 1946; lowest 0.8 below lsd, Oct. 24, 1948. Records available: 1943-50. Mar. 24, +3.7; Sept. 7, +2.3; Oct. 24, +4.6. Flowing prior to measurements.

14S 36E-32da1. William Howard. Drilled stock artesian well in Bonneville formation, diameter 4 inches, depth 74 feet. Land-surface datum is 4,463.7 feet above msl (preliminary). Highest water level 3.7 above lsd, Apr. 2, 1947; lowest 1.31 below lsd, Sept. 27, 1949. Records available: 1931-32, 1943-50. Oct. 25, +2.8. Flowing prior to measurement.

15S 34E-6ab1. Joe Thorpe. Dug stock and domestic water-table well in bottomland alluvium above Bonneville formation, depth 85 feet. Highest water level 14.19 below lsd, May 4, 1948; lowest 49.18 below lsd, Nov. 7, 1949. Records available: 1947-50. Sept. 8, 47.69.

15S 35E-1da1. Joseph Josephson. Drilled irrigation artesian well in Bonneville formation, diameter 3 inches, depth 275 feet, cased to 249, open hole below 249. Land-surface datum is 4,453.0 feet above msl (preliminary). Highest water level 33.1 above lsd, May 3, 1944; lowest 16.9 above lsd, Sept. 7, 1950. Records available: 1943-45, 1947-50. Mar. 24, +26.8; Sept. 7, +16.9. Flowing prior to measurements.

15S 35E-1db1. L. R. Waldron. Drilled stock artesian well in Bonneville formation, 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: 1943-50. Mar. 24, +20.2; Sept. 7, +8.6; Oct. 25, +17.3. Flowing prior to measurements.

15S 35E-12ab2. James H. Williams. Drilled irrigation artesian well in Bonneville formation, diameter 4 inches. Land-surface datum is 4,428.3 feet above msl (preliminary). Highest water level 24.3 above lsd, Mar. 9, 1949; lowest 13.0 above lsd, May 5, 1948. Records available: 1943-50. Mar. 24, +23.6; Sept. 7, +13.4; Oct. 24, +18.1. Flowing prior to measurements.

15S 35E-12bb1. James H. Williams. Drilled irrigation artesian well in Bonneville formation, diameter 2½ inches, depth 187 feet. Land-surface datum is 4,442.0 feet above msl (preliminary). Highest water level 14.5 above lsd, Apr. 1, 1947; lowest 0.1 above lsd, Sept. 7, 1950. Records available: 1943-50. Mar. 24, +8.9; Sept. 7, +0.1; Oct. 24, +4.2. Flowing prior to measurements.

15S 35E-14ad1. Ben Jones. Drilled domestic artesian well in Bonneville formation, diameter 3 inches. Land-surface datum is 4,430.3 feet above msl (preliminary). Highest water level 6.5 above lsd, Sept. 7, 1950; lowest 1.9 above lsd, May 3, 1944. Records available: 1943-50. Mar. 24, +6.2; Sept. 7, +6.5; Oct. 24, +6.4. Flowing prior to measurements.

15S 36E-5aa4. Dives Bros. Drilled irrigation artesian well in Bonneville formation, diameter 4 inches, depth 158 feet. Land-surface datum is 4,437.6 feet above msl. Highest water level 16.0 above lsd, Oct. 23, 1945; lowest 7.9 above lsd, Sept. 27, 1949. Records available: 1931-32, 1943-45, 1947-50. Mar. 24, +13.8; Sept. 7, +10.8; Oct. 25, +12.3. Flowing prior to measurements.

15S 36E-6ac2. Will John. Drilled unused artesian well in Bonneville formation, diameter 2 inches, reported depth 300 feet. Land-surface datum is 4,441.1 feet above msl (preliminary). Highest water level 16.7 above lsd, Feb. 24, 1946; lowest 7.0 above lsd, Sept. 27, 1949. Records available: 1943-50. Mar. 24, +12.0; Sept. 7, +7.4; Oct. 25, +11.0. Flowing prior to measurements.

15S 36E-6ba1. A. E. Scott. Drilled stock and domestic artesian well in Bonneville formation, diameter 3 inches, reported depth 310 feet. Land-surface datum is 4,465.4 feet above msl (preliminary). Highest water level 23.1 above lsd, May 4, 1944; lowest 8.0 above lsd, Sept. 7, 1950. Records available: 1943-50. Mar. 23, +18.5; Sept. 7, +8.0. Flowing prior to measurements.

15S 36E-8aa1. Edward Vaughn. Drilled unused artesian well in Bonneville formation, diameter 4 inches, depth 138 feet. Highest water level 20.1 above lsd, Apr. 2, 1947; lowest 11.8 above lsd, June 29, 1943. Records available: 1943-50. Mar. 24, +20.0; Sept. 7, +13.2. Flowing prior to measurements.

15S 36E-22ab1. Moroni V. Rees. Drilled irrigation artesian well in Bonneville formation, diameter 8 inches, depth 101 feet. Land-surface datum is about 4,410 above msl. Highest water level 23.3 above lsd, Oct. 24, 1950; lowest 13.0 above lsd, July 15, 1943. Records available: 1943, 1947-50. Mar. 24, +17.6; Sept. 7, +15.9; Oct. 24, +23.3. Flowing prior to measurements.

15S 36E-29ca2. Tom Dudley. Drilled stock artesian well in Bonneville formation, diameter 3 inches, depth 270 feet. Land-surface datum is 4,402.6 feet above msl (preliminary). Highest water level 12.9 above lsd, May 3, 1944 and Mar. 1, 1945; lowest 3.2 above lsd, Sept. 7, 1949. Records available: 1943-50. Mar. 24, +12.8; Sept. 7, +3.2; Oct. 24, +9.2. Flowing prior to measurements.

15S 36E-30ab1. John W. Jenkins. Drilled irrigation artesian well in Bonneville formation, diameter 4 inches, reported depth 229 feet. Land-surface datum is 4,395.8 feet above msl (preliminary). Highest water level 14.9 above lsd, May 3, 1944; lowest 8.8 above lsd, Sept. 7, 1950. Records available: 1943-50. Sept. 7, +8.8; Oct. 24, +12.1. Flowing prior to measurements.

15S 36E-30ab2. John W. Jenkins. Drilled irrigation artesian well in Bonneville formation, diameter 4 inches, depth 196 feet. Land-surface datum is 4,395.3 feet above msl (preliminary). Highest water level 12.4 above lsd, Aug. 20, 1947; lowest 9.0 above lsd, Sept. 7, 1950. Records available: 1943-50. Sept. 7, +9.0; Oct. 25, +10.4. Flowing prior to measurements.

Payette County

7N 5W-3da1. Sim Watkins. Dug stock and domestic water-table well in alluvial sand and gravel, diameter 48 inches, depth 56 feet, concrete casing, open bottom. Highest water level 31.0 below lsd, Sept. 12 and Oct. 7, 1949; lowest 43.3 below lsd, Apr. 27 and May 3, 1949. Records available: 1941-50. Water level influenced strongly by local irrigation.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	35.1	Aug. 7	36.4	Sept. 25	33.1	Nov. 11	34.5
18	34.6	11	33.4	2	32.8	20	35.3
Feb. 4	38.7	14	35.1	9	32.5	27	35.6
July 7	39.0	21	35.3	17	32.8	Dec. 4	36.2
17	38.2	28	37.6	23	33.2	11	36.4
24	37.7	Sept. 4	33.9	30	33.3	18	36.8
31	36.8	18	34.2	Nov. 6	33.7	26	37.5



## MONTANA

By Frank A. Swenson

### Scope of Water-Level Program

The observation-well program in Montana was continued in 1950 in connection with ground-water studies that are being made as part of the program for the development of the Missouri River basin. The Federal observation-well program in Montana consists of a skeleton network of 24 wells located to give a State-wide coverage. A total of 196 measurements was made in these 24 wells during 1950. The publication of data for observation wells for which measurements have been published in previous annual water-level reports and for which no measurements appear in this report has been discontinued in the annual water-level report. It is expected that they will be published in project reports. Manuscript reports were being prepared during the year on the following projects: Lower Marias irrigation project, Yellowstone River valley between Miles City and Sidney, Helena Valley, Townsend Valley, and the Missouri River valley between Fort Peck and the Montana-North Dakota boundary.

In addition to the water-level measurements presented in this report, measurements were made of the water level in wells in several project areas in Montana. (See fig. 2) On the Lower Marias Project in Hill and Chouteau Counties monthly measurements were made of the water level in 13 wells by the Bureau of Reclamation. At the end of 1950 monthly measurements were being made of the water level in 78 wells along the Yellowstone River between Miles City and Sidney. The water level in about 50 wells in the Helena Valley were measured monthly. During 1950 a detailed ground-water investigation to aid in drainage of irrigated land was begun on the First Division, Buffalo Rapids irrigation project, near Glendive. A total of 244 observation wells was established and monthly measurements of the water level in these wells were made. During the year a general geologic and ground-water investigation was begun in the Townsend Valley and periodic measurements of the water level in 128 wells were made each month. The water-level observation program in the valley and delta area between Kalispell and Flathead Lake in Flathead County, has been carried on by the Bureau of Reclamation in cooperation with the Geological Survey. Of the original 47 wells established in 1928 by the Geological Survey only 33 wells remained by 1950. These were measured at monthly intervals.

### Interpretation of Water-Level Fluctuations

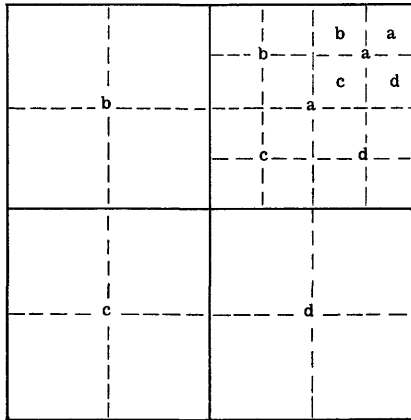
For the purpose of discussion of changes in water level in observation wells, the State has been arbitrarily subdivided into nine areas as shown in figure 2. For a discussion of physiographic and climatologic characteristics of these sections, see the annual water-level report for 1949. In the part of Montana west of the Continental Divide, water levels were generally low at the start of the year but greater than normal precipitation during the spring and early summer resulted in a rise of the water levels to stages higher than those of 1949. In north-central Montana ground-water levels were approximately the same as during 1949, although the levels in general were higher at the end than at the beginning of the year. In northeastern Montana water levels generally were very low at the beginning of the year but during the spring and early summer they rose to about average and were normal throughout the remainder of the year. Water levels were about normal during the year for all of central and east-central Montana including the upper Missouri section of the State. Wells in southwestern Montana showed normal trends in water-level fluctuations early in the year but shortages of irrigation water developed in midsummer and this was reflected in a sharp drop of water level in some of the wells. In south-central Montana water levels were generally lower than in previous years. The definite rising trend of the water level in the well in Park City, Stillwater County, which was mentioned in the 1949 report, has now been reversed. This reversal of trend is probably in part due to construction of drainage facilities in irrigated land near the well. Water levels in wells in southeastern Montana were normal during 1950 and did not indicate any noticeable trends.





## Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first numeral of a well number indicates the township, the second the range, and the third the section in which the well is situated. The lower-case letters, a, b, c, and d, following the section number locate the sections (160-acre tract), the second the quarter-quarter section (40-acre tract), and the third the quarter-quarter-quarter section (10-acre tract). The letters are assigned in a counterclockwise direction, beginning in the northeast quarter of the section, quarter section, or quarter-quarter section. The number of lower-case letters indicate the accuracy of the well location; if the location is known within a 10-acre tract, three lower-case letters are shown in the well number. When there is more than one well in the smallest significant tract, consecutive numbers beginning with 1 are added as suffixes. Well numbers preceded by the capital letters A, B, C, and D designate wells in the northeast, northwest, southwest, and southeast quadrants, respectively, of the Montana Principal Meridian and Base Line system. Below is a graphical illustration of this method of well numbering within a section of 640 acres.



Section

**Well Descriptions and Water-Level Measurements**  
(Water levels are in feet below land-surface datum unless otherwise indicated.)

Beaverhead County

C8-9-9bb. James Rebich. Dug and drilled domestic well, diameter 48 inches, depth 31 feet, wood cribbing. Highest water level 6.06 below lsd, Aug. 29, 1949; lowest 29.10 below lsd, Mar. 31, 1948. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15	27.7	May 24	23.4	July 12	9.06	Aug. 29	9.40
Mar. 28	28.0	June 16	14.0	Aug. 3	6.30	Sept. 23	15.10
May 18	26.3	26	8.10				

Big Horn County

D2-34-25db. Bureau of Indian Affairs. Drilled unused well, diameter 18 inches, depth 13.0 feet, sheet iron casing. Highest water level 3.51 below lsd, Sept. 5, 1950; lowest 11.27 below lsd, Mar. 10, 1948. Records available: 1947-50. Sept. 5, 3.51; Sept. 22, 4.36.

Carter County

D9-60-19cc. Alzada Gospel Church. Drilled unused well, diameter 6.5 inches, depth 26.2 feet, steel casing. Highest water level 18.48 below lsd, Sept. 20, 1950; lowest 21.33 below lsd, Oct. 14, 1948. Records available: 1947-50. Sept. 5, 19.43; Sept. 20, 18.48; Oct. 21, 19.60; Dec. 13, 19.78.

Chouteau County

A29-13-21aa2. U. S. Geol. Survey. Unused well in deposits of Pleistocene age, diameter 2 inches, depth 210 feet, steel casing to 167 feet. Highest water level 15.93 below lsd, June 6, 1947; lowest 16.96 below lsd, Feb. 8, 1950. Records available: 1947-50. Feb. 8, 16.96; Mar. 7, 16.77; Apr. 24, 16.68; May 14, 16.58; July 21, 16.85; Aug. 7, 16.77.

Custer County

A7-47-13dd. Owner unknown. Drilled unused well in Fort Union formation, diameter 4 inches, depth 46.4 feet, steel casing. Highest water level 38.29 below lsd, Aug. 10, 1949; lowest 43.10 below lsd, June 6, 1947. Records available: 1947-50.

Feb. 10	39.22	Apr. 19	41.12	June 22	40.55	Sept. 27	38.69
Mar. 10	40.61	May 25	41.40	July 20	39.86	Nov. 29	40.02

Daniels County

A35-47-12cd. State of Montana. Dug unused well, diameter 48 inches, depth 31 feet, wood and stone cribbing. Highest water level 13.91 below lsd, June 23, 1950; lowest 15.66 below lsd, Feb. 21, 1948. Records available: 1947-50. May 8, 14.29; May 27, 14.22; June 23, 13.91; July 7, 14.02; Aug. 8, 14.45; Sept. 8, 14.78; Nov. 9, 15.07.

Dawson County

A18-56-25cb. Mrs. B. Stevenson. Dug unused well, in terrace deposits, diameter 30 inches, depth 28 feet, concrete cribbing. Highest water level 25.01 below lsd, Jan. 23, 1948, Feb. 25, 1948, Oct. 18, 1948; lowest 24.64 below lsd, Aug. 14, 1950, Nov. 14, 1950. Records available: 1947-50. Aug. 14, 24.64; Sept. 13, 24.67; Oct. 10, 24.65; Nov. 14, 24.64.

Gallatin County

D2-4-14dd. Owner unknown. Dug unused well in irrigated alluvial deposits, diameter 12 inches, depth 10 feet, tile casing. Highest water level 2.80 below lsd, June 21, 1947; lowest 8.48 below lsd, Feb. 14, 1950. Records available: 1947-50.

Jan. 4	7.75	Apr. 12	7.29	June 21	4.68	Sept. 28	4.91
Feb. 14	8.48	May 1	7.68	July 27	4.02	Oct. 31	6.17
Mar. 8	8.07	June 5	6.45				

Glacier County

B32-11-3dd. Bureau of Indian Affairs. Dug unused well, diameter 24 inches, depth 8.5 feet, sheet iron casing. Highest water level 0.11 below lsd, May 20, 1948; lowest 2.32 below lsd, Jan. 14, 1948. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 23	0.25	June 26	0.47	Aug. 8	2.13	Oct. 21	1.94
May 3	.39	July 23	1.88	Sept. 18	2.30	Nov. 3	1.96
June 7	.23						

Hill County

A32-15-17dd. U. S. Geol. Survey. Drilled unused well in deposits of Pleistocene age, diameter 2 inches, depth 180 feet, steel casing to 152 feet. Highest water level 43.70 below lsd, May 11, 1949; lowest 52.56 below lsd, June 18, 1947. Records available: 1947-50. Mar. 23, 44.18; Apr. 28, 44.36; May 14, 44.30; July 20, 43.89; Aug. 8, 43.89; Nov. 8, 43.81.

Jefferson County

B1-4-8cd. Joe Merrick. Drilled unused well, diameter 4.5 inches, depth 8.5 feet, steel casing. Highest water level 3.22 below lsd, Sept. 29, 1947; lowest 6.00 below lsd, June 23, 1947. Records available: 1947-50.

Jan. 24	4.48	May 9	4.02	July 19	3.38	Sept. 21	5.00
Mar. 8	4.05	29	3.98	Aug. 23	5.15	Nov. 1	5.35
Apr. 18	4.03						

Lake County

B21-20-2dc. Owner unknown. Dug domestic well, diameter 24 inches, depth 35 feet, tile casing. Highest water level 24.10 below lsd, Oct. 21, 1948; lowest 29.31 below lsd, June 10, 1950. Records available: 1947-50. Feb. 15, 28.90; Mar. 22, 28.11; Apr. 21, 27.65; May 12, 27.86; June 10, 29.31; Dec. 17, 25.40.

Lewis and Clark County

B20-6-8da. Owner unknown. Dug unused well, diameter 24 inches, depth 12.9 feet, masonry cribbing. Highest water level 7.42 below lsd, June 23, 1948; lowest 11.49 below lsd, Jan. 15, 1948. Records available: 1947-50.

Jan. 31	10.88	Apr. 5	10.80	June 21	8.83	Sept. 8	10.44
Feb. 23	10.79	May 8	10.53	July 19	9.56	Oct. 14	10.71
Mar. 6	10.84	25	10.26	Aug. 3	10.06	Dec. 15	10.88

Lincoln County

B31-31-32db. Owner unknown. Dug unused well, diameter 48 inches, depth 15 feet, masonry cribbing. Highest water level 5.02 below lsd, June 2, 1948; lowest 12.39 below lsd, Jan. 22, 1950. Records available: 1947-50. Jan. 22, 12.39; Apr. 19, 6.18; June 8, 7.93; July 12, 7.73; Oct. 17, 11.21; Nov. 13, 9.71; Dec. 14, 9.72.

McCone County

A19-48-10db. Eldridge. Drilled domestic well, diameter 12 inches, depth 36 feet, wood stave casing. Highest water level 26.86 below lsd, Oct. 4, 1947; lowest 30.51 below lsd, June 29, 1950. Records available: 1947-50.

Feb. 8	29.29	May 29	30.51	Aug. 15	29.05	Oct. 11	29.27
Mar. 9	29.10	June 16	28.73	Sept. 14	29.22	Nov. 15	29.13
Apr. 7	27.15	July 13	28.91				
May 5	29.54						

Phillips County

A31-34-8ca. W. D. Miller. Drilled unused well, diameter 5 inches, depth 15 feet, steel casing. Highest water level 2.65 below lsd, Aug. 19, 1948; lowest 6.88 below lsd, Feb. 25, 1950. Records available: 1947-50.

## A31-34-8ca--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 25	6.88	May 16	5.09	July 13	3.88	Sept. 15	4.12
Apr. 27	4.54	June 15	4.71	Aug. 15	3.76	Oct. 10	4.51

Ravalli County

B7-20-18ab. Owner unknown. Dug unused well, diameter 30 inches, depth 18 feet, wood stave casing. Highest water level 3.49 below lsd, June 29, 1950; lowest 12.58 below lsd, Mar. 4, 1949. Records available: 1947-50.

Mar. 2	8.95	June 4	3.45	July 19	3.57	Nov. 7	5.18
May 1	6.83	20	4.71	Aug. 31	7.80	Dec. 16	9.23
24	4.13	29	3.49	Oct. 6	4.75		

Roosevelt County

A28-49-35ca. Owner unknown. Drilled unused well, diameter 4 inches, depth 49 feet, steel casing. Highest water level 14.70 below lsd, June 1, 1949; lowest 28.88 below lsd, Oct. 8, 1946. Records available: 1946-50.

Feb. 20	19.67	May 27	19.74	Aug. 11	19.33	Oct. 18	19.22
Apr. 16	19.67	July 14	19.48	Sept. 16	19.67	Dec. 12	19.26
May 2	19.70						

A28-57-28dd. Abandoned school. Drilled unused well, diameter 5 inches, depth 29 feet, steel casing. Highest water level 24.35 below lsd, Mar. 17, 1949; lowest 27.52 below lsd, Apr. 25, 1946. Records available: 1946-50.

Apr. 7	25.58	May 27	24.75	Sept. 16	24.66	Nov. 11	24.41
30	25.11	Aug. 9	24.78	Oct. 23	24.63	Dec. 14	24.81

Stillwater County

D2-23-29ba. Alvin Southworth. Drilled domestic well, diameter 6 inches, depth 24.5 feet, steel casing. Highest water level 2.73 below lsd, Sept. 23, 1949; lowest 12.23 below lsd, May 24, 1950. Records available: 1947-50.

Feb. 20	10.40	Apr. 13	11.66	Aug. 9	6.95	Nov. 20	7.41
Mar. 16	11.04	May 24	12.23	Sept. 15	5.51	Dec. 27	8.83
Apr. 11	11.59	July 12	9.59	Oct. 6	6.05		

Sweet Grass County

A4-14-14ba. Spike VanCleave. Dug unused well in valley fill, diameter 30 inches, depth 16 feet, cribbed with stone. Highest water level 4.73 below lsd, June 11, 1947; lowest 14.45 below lsd, Jan. 13, 1948. Records available: 1947-50.

Feb. 21	14.35	May 24	11.67	Sept. 15	12.38	Nov. 1	11.04
Mar. 16	14.41	July 11	9.06	Oct. 5	10.05	Dec. 7	13.57
Apr. 12	14.23	Aug. 1	10.40				

Teton County

B25-1-15ab. Don Meech. Dug domestic and stock well in alluvium, diameter 96 inches, depth 22.5 feet, concrete casing. Highest water level 12.21 below lsd, Aug. 16, 1948; lowest 16.02 below lsd, Nov. 19, 1949. Records available: 1947-50.

Jan. 4	15.10	May 15	14.19	Sept. 7	15.98	Sept. 26	15.11
Feb. 13	14.76	June 11	13.90	19	15.34	Oct. 12	15.28
Mar. 30	14.14	Aug. 12	14.36				

Toole County

B36-2-8cc. Cloyd Hannon. Dug domestic and stock well, diameter 52 inches, depth 17.2 feet, wood cribbing. Highest water level 3.20 below lsd, May 8, 1948; lowest 10.53 below lsd, Feb. 13, 1950. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	9.91	Mar. 30	7.67	Aug. 14	4.79	Sept. 26	5.79
Feb. 13	10.53	May 15	5.55	Sept. 19	5.77	Nov. 5	6.39

Yellowstone County

A4-33-1aa. Cross Service Station. Drilled domestic well in irrigated alluvium, diameter 6 inches, depth 29.5 feet, steel casing. Highest water level 7.51 below lsd, Aug. 10, 1949; lowest 11.83 below lsd, May 16, 1949. Records available: 1947-50.

Feb. 10	10.56	Apr. 16	10.76	June 26	9.86	Aug. 21	8.25
Mar. 10	10.73	May 22	10.88	July 21	8.21	Sept. 28	8.94
16	10.78	25	10.98				



# OREGON

By F. A. Watkins, Jr.

## Scope of Water-Level Program

The observation-well program in Oregon was continued during 1950 in cooperation with the State Engineer. About 770 measurements were made in 97 wells. Field work was started in the Tualatin Valley and the Rogue River Valley. A preliminary report on ground-water occurrence in the Baker Valley was completed. Work was also continued on the Lake County, the Walla Walla River basin, and the Swan Lake-Yonna Valley reports.

## Precipitation

The following table gives data based on U. S. Weather Bureau records showing average monthly and seasonal distribution of precipitation, in inches and in percentage of the whole, at two representative stations for 50 years of record (1891-1940). It also shows rainfall in percentage of the 50-year average for the water-year ending September 30, 1950. Records at the Portland station are given to represent western Oregon and at the Baker station for eastern Oregon.

Monthly precipitation at representative stations

Month	Rainfall at Portland			Rainfall at Baker		
	50-year average		Year ending Sept. 30 1950	50-year average		Year ending Sept. 30 1950
	Inches	Percent	Percent	Inches	Percent	Percent
Oct., 1949	2.80	7.2	6.96	0.74	6.6	1.51
Nov.	6.05	15.5	15.7	1.02	9.0	12.7
Dec.	6.66	17.0	14.2	1.23	10.9	3.37
Jan., 1950	5.80	14.9	29.90	1.19	10.6	10.65
Feb.	4.74	12.1	15.6	1.06	9.4	3.19
Mar.	3.92	10.0	14.6	1.05	9.3	9.23
Subtotal	29.97	76.7	97.0	6.29	55.8	40.65
Apr.	2.73	7.0	7.0	.98	8.7	5.24
May	1.93	4.9	1.46	1.25	11.1	2.84
June	1.48	3.8	3.84	1.10	9.7	21.0
July	.48	1.2	1.97	.48	4.3	3.99
Aug.	.61	1.6	1.2	.46	4.1	1.59
Sept.	1.86	4.8	4.25	.71	6.3	1.06
Subtotal	9.09	23.3	19.7	4.98	44.2	35.72
The Year	39.06	100.0	116.7	11.27	100.0	76.37

The following table shows the precipitation at 17 representative stations in inches and relative wetness, in percentage of the 50-year average (1891-1940) for the water year ending September 30, 1950. Precipitation ranged from 74 percent of normal at Ashland to 124.3 percent at Astoria. Though the precipitation for the State was close to the normal amount, 100.4 percent of the 50-year average, there were some seasonal deviations. October was a dry month, followed by a wet November and drier December. Snowfall of above-average depths raised precipitation in January and February. A dry May was followed by a wet June. The compensative variations in precipitation on the whole seemed to have evened out to normal ground-water level conditions.

Annual precipitation at representative stations			
Province	Station and County	Precipitation, 1949-50	
		Inches	Percentage of 50-year average
Northern Coast Ranges	Ashland, Jackson	14.57	74.0
	Astoria, Clatsop	95.91	124.3
	Bandon, Coos	67.23	106.8
	Grants Pass, Josephine	25.78	88.0
	Newport, Lincoln	66.93	98.4
Puget-Willamette Trough	Albany, Linn	43.56*	107.6
	Eugene, Lane	41.24	109.4
	Fall City, Polk	80.51	111.4
	Portland, Multnomah	45.49	116.7
	Salem, Marion	43.66	114.1
Columbia Plateau	Baker, Baker	8.61	76.4
	Bend, Deschutes	11.25	90.3
	LaGrande, Union	22.25	116.1
	The Dalles, Wasco	15.04	111.4
	Umatilla, Umatilla	7.11	94.0
Basin and Range	Harney Branch Experiment Station, Harney	6.84	75.6
	Klamath Falls, Klamath	11.98	91.9

\* Estimates in minor part.

#### Interpretation of Water-Level Fluctuations

September-end water levels in well S15/4W-32M1, in Lane County, and 1N/1-34N1, in Multnomah County, in the Willamette Valley were, on the average, 0.55 foot higher in 1950 than in 1949. In the vicinity of Prineville, in Crook County, the water level in well 14/15-15Q1--outside the area of heavy withdrawals from the artesian aquifer--was 4 feet lower in November 1950 than in November 1949. Well 14/16-32N1--in the area of heavy pumping--reached a level 2.5 feet higher than in the same period in 1949. Well 14/16-19H1, drawing water from the shallower unconfined water zone, was 1.19 feet higher in November 1950 than in December 1949. In the Dalles area, well 1N/13-23D1, in a heavily pumped area reached the lowest level of record. Levels in artesian wells 1N/13-32G1 and 1N/13-32H1 were the highest of record.

#### Well-Numbering System

The field numbers used in this report show the location of wells according to the official rectangular system for subdivision of the public land. The part preceding the hyphen indicates township and range; the one or two digits immediately following the hyphen indicate the section; the letter following indicates the 40-acre subdivision of the section, as shown in the accompanying diagram; and the final digit indicates the serial number of the well within that 40-acre tract.

D	C	<sup>Q</sup> <sub>1</sub>	B	A
E	F		G	H
M	L	25	K	J
N	P		Q	R

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 NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 25, T. 3 S., R. 38 E., and is the first well listed in this tract.



**Well Descriptions and Water-Level Measurements**  
(Water levels are in feet below land-surface datum unless otherwise indicated.)

**Baker County**

7/39-20N1. City of Baker. Water-table well. Records available: 1936, 1938-50.  
Feb. 11, 4.45; July 6, 2.45; Oct. 26, 6.03.

8/39-22F1. Baker County. Water-table well. Records available: 1936, 1938-50.  
Feb. 11, 4.04; July 7, 4.80; Oct. 26, 5.11.

8/39-22G1. Florence Rohner. About 1.25 miles west of junction of US Highway 30 and county road. Dug well in sand and gravel, diameter 12 inches, depth 10.7 feet. Land-surface datum is about 3,383 feet above msl. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 6, '49	3.34	Oct. 5, '49	4.35	Mar. 5, '50	2.34	Aug. 5, '50	3.70
10	3.45	10	4.30	10	2.63	10	3.85
15	3.60	15	4.25	15	2.81	15	3.98
20	3.67	20	4.20	20	2.81	20	4.25
25	3.65	25	4.16	25	2.64	25	4.50
31	3.74	31	4.10	31	2.81	31	4.67
June 5	3.82	Nov. 5	4.10	Apr. 5	2.64	Sept. 5	4.85
10	3.96	10	4.02	10	2.92	10	4.90
15	3.99	15	3.98	15	3.10	15	4.85
20	3.96	20	3.88	20	3.23	20	4.86
25	3.96	25	3.78	25	3.36	25	4.82
30	3.96	30	3.50	30	3.50	30	4.86
July 5	4.14	Dec. 5	3.44	May 5	3.54	Oct. 5	4.70
10	4.27	10	3.46	10	3.60	10	4.64
15	4.26	15	3.64	15	3.70	15	4.62
20	4.37	20	3.66	20	3.72	20	4.58
25	4.38	25	3.70	25	3.73	25	4.55
31	4.42	31	3.65	31	3.77	31	4.44
Aug. 5	4.45	Jan. 5, '50	3.70	June 5	3.83	Nov. 5	4.33
10	4.52	10	3.69	10	3.83	10	4.27
15	4.46	15	3.72	15	3.86	15	4.24
20	4.48	20	3.73	20	3.76	20	4.15
25	4.51	25	3.73	25	3.70	25	4.05
31	4.56	31	3.33	30	3.88	30	4.00
Sept. 5	4.59	Feb. 5	3.67	July 5	3.66	Dec. 5	3.97
10	4.50	10	3.53	10	3.58	10	3.75
15	4.42	15	3.52	15	3.53	15	3.72
20	4.41	20	2.71	20	3.41	20	3.60
25	4.40	25	1.98	25	3.36	25	3.53
30	4.40	28	2.01	31	3.41	31	3.46

8/40-19D1. Baker County. Water-table well. Records available: 1936, 1938-50.

Feb. 11	5.44	Sept. 14	5.36	Oct. 20	6.20	Nov. 22	5.70
July 7	2.52	21	5.47	25	5.70	27	5.65
Aug. 10	2.05	27	5.55	26	5.72	Dec. 8	5.55
15	1.76	Oct. 3	4.15	27	7.20	12	5.55
23	4.76	6	3.82	Nov. 6	5.76	19	5.38
24	4.80	13	4.35	10	5.76	22	5.38
Sept. 3	5.14	17	5.55	15	5.75	28	5.30
10	5.29						

8/40-23A1. Baker County. Water-table well. Records available: 1936, 1938-47, 1949-50. Feb. 11, 3.33; July 7, 3.32; Oct. 26, 4.24.

9/39-2N1. Chris Lee. Drilled well, diameter 12 inches, depth 321 feet. Land-surface datum is about 3,417 feet above msl. Records available: 1949-50.

May 6, '49	5.00	June 15, '49	2.37	July 25, '49	8.53	Sept. 15, '49	11.71
10	5.96	20	5.30	31	8.64	20	11.98
15	5.62	25	6.65	Aug. 18	10.21	25	12.14
20	5.40	30	7.46	20	10.30	30	12.35
25	5.52	July 5	7.53	25	10.60	Oct. 5	12.50
31	6.71	10	7.57	31	10.95	10	12.69
June 5	7.08	15	7.75	Sept. 5	11.22	15	12.85
10	7.70	20	8.15	10	11.46	20	12.97

## 9/39-2N1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 25, '49	13.10	Dec. 20, '49	13.55	Feb. 15, '50	13.14	Apr. 5, '50	9.07
31	13.24	25	13.56	20	12.84	10	9.01
Nov. 5	13.37	31	13.57	25	11.99	15	8.90
10	13.32	Jan. 5, '50	13.61	28	11.13	20	8.97
15	13.37	10	13.56	Mar. 5	10.80	25	4.97
20	13.43	15	13.61	10	10.49	30	5.68
25	13.41	20	13.59	15	10.32	May 2	5.82
30	13.45	25	13.51	20	9.95	July 7	7.35
Dec. 5	13.46	31	13.50	25	9.43	Oct. 26	12.37
10	13.47	Feb. 5	13.36	31	9.30		
15	13.54	10	13.22				

Benton County

## Willamette Valley

14/5W-10R1. Chris Lindseth. Water in old (?) alluvium. Records available: 1938-50. June 21, 13.18; Oct. 5, 14.61; Dec. 28, 8.74.

Crook County

14/15-15Q1. M. D. Colahan. Flowing artesian water. Pressure-gage readings by owner. Records available: 1945-50. Water-level above land-surface datum.

Dec. 19, '49	67.0	Feb. 18, '50	65.0	May 31, '50	60.0	July 13, '50	69.5
Jan. 8, '50	64.5	Mar. 24	68.5	July 4	67.5	Nov. 5	62.5
Feb. 13	65.5						

14/16-19H1. Leslie Clauson. Water in sandy material of lacustrine sediments of Pleistocene age. Records available: 1947-50. Feb. 18, 13.93; July 13, 7.08; Nov. 5, 7.29.

14/16-32N1. E. E. Wagoner. Nonflowing artesian well. Records available: 1944-50. July 13, 16.43; Nov. 5, 9.52.

15/16-5D1. Pacific Power & Light Co. Water in alluvium along Ochoco Creek. Records available: 1947-50. Feb. 18, 6.37; Nov. 5, 6.78.

Harney County

## Harney Basin

22/31-34N1. Frank Whiting. Artesian water in Danforth formation. Records available: 1936-50. Feb. 12, 11.17; July 7, 10.58; Oct. 29, 13.70.

23/31-3D2. Harney County. Water-table well. Records available: 1936, 1938-50. July 7, 5.18; Oct. 29, 7.80.

23/31-14A3. Harney County. Water-table well. Records available: 1936, 1938-50. Feb. 12, 10.15; July 7, 7.40; Oct. 29, 9.82.

23/31-16E1. Harney County. Water-table well. Records available: 1936, 1938-50. Feb. 12, 8.04; July 7, 5.49; Oct. 29, 7.81.

23/31-33E1. Harney County. Water-table well. Records available: 1936, 1938-50.

Jan. 1	7.80	Sept. 9	5.89	July 9	2.62	Oct. 8	6.76
8	7.81	16	5.65	16	3.10	15	6.84
15	7.85	23	5.40	23	3.59	22	6.92
22	7.86	28	4.96	28	3.98	26	6.96
28	7.88	May 7	3.27	Aug. 6	4.61	28	6.98
Feb. 5	7.88	14	2.85	13	5.04	Nov. 5	7.06
12	7.90	21	2.43	20	5.41	12	7.08
19	7.74	28	2.17	27	5.72	19	7.13
26	7.30	June 4	2.18	28	5.73	26	7.15
Mar. 5	6.64	11	2.55	Sept. 3	5.99	28	7.16
12	6.58	18	2.94	10	6.20	Dec. 3	7.15
19	6.41	25	2.00	17	6.42	10	6.49
26	6.11	28	2.08	24	6.53	17	6.23
28	6.09	July 2	2.33	28	6.61	24	6.08
Apr. 2	5.96	7	2.56	Oct. 1	6.65	28	6.05

23/32-7L1. Harney Branch Experiment Station. Water-table well. Records available: 1933-50. Feb. 12, 7.67; July 7, 1.90; Oct. 29, 6.84.

23/32-7L2. Harney Branch Experiment Station. Artesian water in deep valley fill. Records available: 1933-50. Feb. 12, 6.07; July 7, 16.34; Oct. 29, 6.97.

23/32-30R1. Harney County. Water-table well. Records available: 1936, 1938-50. Feb. 12, 11.29; July 7, 11.02; Oct. 29, 10.90.

24/31-28E1. Harney County. Water-table well. Records available: 1936, 1938-50. Feb. 12, 10.31; July 7, 8.40; Oct. 29, 9.91.

#### Klamath County

38/10-9N2. Frank S. Riley. About 4 miles northwest of State Highway 66 along Swan Lake road. Drilled well, diameter 12 inches, depth 208 feet. Land-surface datum is about 4,190 feet above sea level. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 19, '49	63.45	May 12, '50	63.60	Aug. 18, '50	63.57	Oct. 27, '50	63.50
Jan. 2, '50	63.57	19	63.65	25	63.59	Nov. 3	63.83
9	63.53	26	63.59	Sept. 1	63.59	10	63.84
16	63.49	June 2	63.57	8	63.58	17	63.85
23	63.47	July 7	63.53	15	63.57	24	63.85
30	63.53	14	63.53	22	63.56	Dec. 1	63.86
Apr. 14	63.34	21	63.53	29	63.55	8	63.87
21	63.43	28	63.54	Oct. 6	63.53	15	63.88
28	63.53	Aug. 4	63.55	13	63.52	22	63.89
May 5	63.55	11	63.56	20	63.51	29	64.00

#### Lake County

25/14-15E1. U. S. Soil Conservation Service. Artesian well. Records available: 1932, 1935-36, 1938-50. Feb. 18, 48.88; July 12, 48.59; Nov. 4, 48.57.

26/15-22B2. U. S. Soil Conservation Service. Water in lacustrine sediments. Records available: 1948-50. Feb. 18, 28.07; July 12, 28.03; Nov. 4, 27.76.

27/15-4G1. H. M. Parks. Artesian well. Records available: 1932, 1935-36, 1938-50. Feb. 18, 41.52; July 12, 44.31; Nov. 4, 41.27. Pumping, water running back down casing; reading doubtful on July 12.

27/15-4G2. H. M. Parks. Artesian well. Records available: 1932, 1935-36, 1938-50. Feb. 18, 42.92; July 12, 43.23; Nov. 4, 42.69.

27/17-22R2. W. D. Collins. Water-table well. Records available: 1938-50. Feb. 17, 28.22; July 12, 28.08; Nov. 4, 27.99.

27/18-6E2. W. D. Collins. Water-table well. Records available: 1940-50. Feb. 17, 24.77; July 12, 24.87; Nov. 4, 24.98.

27/18-7N1. Rolly Hardin. Water-table well. Records available: 1938-50. Feb. 17, 27.22; July 12, 27.09; Nov. 4, 27.19.

28/14-23D1. Dudley S. Long. About 0.5 mile north of State Highway 31 on Silver Lake-Fort Rock Road. Dug well, diameter 48 inches, depth 26 feet. Land-surface datum is about 4,343 feet above msl. Records available: 1949-50. Nov. 25, 1949, 13.91; Feb. 17, 1950, 15.97; July 12, 7.05; Nov. 5, 11.97.

29/16-9D1. Sid Harris. Southeast corner of Silver Lake (dry), about 1,000 feet west of State Highway 31. Drilled well in sand, diameter 6 inches, depth 320 feet. Land-surface datum is about 4,302 feet above msl. Records available: 1949-50. Nov. 15, 1949; 9.95; Feb. 17, 1950, 10.01; July 12, 9.75; Nov. 4, 9.70.

29/16-9D2. Sid Harris. About 120 feet south of 29/16-9D1. Drilled well in sand, diameter 8 inches, depth 55 feet. Land-surface datum is about 4,302 feet above msl. Records available: 1949-50. Nov. 15, 1949, 13.85; Feb. 17, 1950, 13.90; July 12, 14.00; Nov. 4, 13.99.

29/23-3J1. U. S. Soil Conservation Service. 400 feet west of US Highway 395, about 0.3 mile south of milepost 42. Drilled well in playa sediments of Pleistocene age, diameter 8 inches, depth 177 feet. Land-surface datum is about 4,225 feet above msl. Records available: 1945, 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 11, '45	18.43	Aug. 4, '48	18.79	Aug. 20, '49	18.88	July 8, '50	18.95
Oct. 9, '47	18.66	Oct. 26	18.81	Nov. 12	18.96	Oct. 29	19.01
Mar. 17, '48	18.73	Mar. 11, '49	18.83	Feb. 13, '50	18.98		

33/17-5M1. W. H. Harvey. At south end of Summer Lake, 60 feet north of State Highway 31. Drilled well, diameter 6 inches, depth 560 feet. Land-surface datum is about 4,295 feet above msl. Records available: 1949-50. Oct. 8, 1948, 25.72; Aug. 26, 19.65; Nov. 14, 1949, 23.87; Feb. 17, 1950, 25.95; July 12, 24.13; Nov. 4, 24.60.

33/18-24L4. Ranney Estate. In Paisley, on north side of Paisley Garage. Drilled well in gravel, diameter 6 inches, depth 57 feet. Land-surface datum is about 4,369 feet above msl. Records available: 1949-50. Nov. 21, 1949, 38.96; Feb. 17, 1950, 40.78; July 12, 38.70; Nov. 4, 39.53.

35/21-21P1. Del Overton. At ranch house at south end of Abert Lake. Drilled well, diameter 3 inches. Land-surface datum is about 4,280 feet above msl. Records available: 1948, 1950. Oct. 4, 1948, 19.92; July 12, 1950, 20.91; Nov. 2, 20.93.

35/24-9J1. U. S. Bureau of Land Management. 1 mile southeast of junction of Warner Valley Road and road east to Hart Mountain. Drilled well in basalt, diameter 8 inches, depth 376 feet. Land-surface datum is about 4,525 feet above msl. Records available: 1949-50. Nov. 13, 1949, 8.04; Feb. 13, 1950, 7.92; July 9, 8.77; Oct. 30, 7.81.

36/21-6B1. C. W. E. Jennings. Water-table well. Records available: 1941-50. Nov. 2, 13.14.

36/25-28M1. U. P. Eagan. At Plush, on the north side of Plush store. Drilled well in gravel, diameter 6 inches, depth 40 feet. Land-surface datum is about 4,512 feet above msl. Records available: 1948-50. Aug. 24, 1948, 21.50; Sept. 15, 1949, 23.48; Nov. 13, 23.47; Feb. 13, 1950, 25.98; July 9, 18.88; Oct. 30, 24.43.

36/24-32A1. Thomas J. Murphy. At south edge of Plush, at windmill tower. Dug well, diameter 4 feet, depth 23 feet. Land-surface datum is about 4,512 feet above msl. Records available: 1940, 1948-50. Oct. 29, 1940, 19.75; Aug. 10, 1948, 12.86; Sept. 15, 1949, 15.55; Nov. 13, 17.26; Feb. 13, 1950, 17.79; July 9, 11.40; Oct. 30, 16.30.

36/25-19A1. U. S. Fish and Wildlife Service. At northeast corner of Hart Lake, 200 feet south of road intersection. Dug well in sand, gravel, and cobbles, diameter 24 inches, depth 5.6 feet. Land-surface datum is about 4,474 feet above msl. Records available: 1948-50. Sept. 20, 1948, 2.69; Sept. 23, 1949, 3.14; Nov. 13, 3.30; Feb. 13, 1950, 3.47; July 9, 2.07; Oct. 30, 3.01.

38/24-27M1. Charles Crump. Drilled well, diameter 6 inches, depth 81 feet. Confined water in gravel. Land-surface datum is about 4,495 feet above msl. Records available: 1948-50. Sept. 24, 1948, 0.51; Sept. 15, 1949, 0.47; Nov. 13, 0.64; Feb. 13, 1950, 0.35; Oct. 30, 0.57.

39/24-21F2. J. G. Dyke. In Adel, at house 75 feet south of Adel store. Drilled well in gravel, diameter 12 inches, depth 165 feet. Land-surface datum is about 4,542 feet above msl. Records available: 1948-50. Sept. 9, 1948, 14.20; Sept. 15, 1949, 16.44; Nov. 13, 15.26; Feb. 13, 1950, 18.76; July 9, 10.84; Oct. 30, 14.05.

39/24-21F3. J. G. Dyke. In Adel, about 300 feet south of Adel store, about 50 feet west of road. Dug well in terrace deposits, diameter 6 feet, depth 16 feet. Land-surface datum is about 4,540 feet above msl. Records available: 1948-50. Sept. 13, 1948, 13.00; Sept. 15, 1949, 14.65; Nov. 13, 15.76; Feb. 13, 1950, 16.64; July 9, 10.28; Oct. 30, 12.50.

39/24-33K2. Dennis Lane. Drilled well, diameter 3 inches, depth 128 feet. Land-surface datum is about 4,495 feet above msl. Records available: 1949-50. Nov. 13, 1949, +0.15; Feb. 13, 1950, +0.30; Oct. 30, 1950, +0.01.

39/24-35D1. Ellen Cahill. About 2 miles southeast of Adel. Drilled well in valley fill, diameter 4 inches, depth 26 feet. Land-surface datum is about 4,475 feet above msl. Records available: 1948-50. Sept. 28, 1948, 5.42; Sept. 15, 1949, 5.89; Nov. 13, 6.21; Feb. 13, 1950, 5.28; July 9, 1.97; Oct. 30, 6.07.

Lane County

## Willamette Valley

15/4W-32M1. Junction City. Water-table well, in gravel. Records available: 1928-30, 1935-36, 1938-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	8.27	Apr. 1	5.61	Aug. 12	8.90	Oct. 21	10.54
14	8.20	June 3	6.46	19	9.38	27	10.43
21	8.10	10	6.58	26	9.44	Nov. 4	8.21
28	7.91	17	6.69	Sept. 2	9.50	11	8.10
Feb. 4	7.24	21	6.96	9	9.66	18	4.21
11	6.85	24	6.90	16	9.75	25	4.32
18	6.24	July 1	7.10	23	9.83	Dec. 2	4.41
25	5.72	8	7.50	30	10.96	9	4.60
Mar. 4	5.22	15	8.30	Oct. 5	10.18	16	4.62
11	5.18	22	8.62	7	10.41	23	4.67
18	5.12	29	8.94	14	10.68	28	5.48
25	5.10	Aug. 5	8.78				

16/3W-32G1. Leo Sidwell. Water-table well, in young alluvium. Records available: 1928-30, 1935-36, 1938-50. June 21, 10.06; Oct. 5, 11.90; Dec. 28, 8.52.

Linn County

## Willamette Valley

10/4W-12F1. Henry Hoefer. Water-table well, in gravel. Records available: 1928-30, 1935-36, 1938-50. June 21, 20.12; Oct. 5, 23.04; Dec. 28, 17.37.

11/5W-36Q1. E. L. Beach. Water-table well, in old (?) alluvium. Records available: 1929-30, 1935-36, 1938-50. June 21, 19.37; Oct. 4, dry at 22.00; Dec. 28, 15.73.

12/2W-14B1. Sigurd H. Lanstrom. Water-table well, in alluvium. Records available: 1941-50. June 21, 7.79; Oct. 5, 9.19; Dec. 28, 6.74.

12/3W-9R1. J. H. Swatzka. Water-table well, in old alluvium. Records available: 1928-30, 1935-36, 1938-50. June 21, 7.22; Dec. 28, 3.13.

13/3W-34N1. Keeney School district 51. Water-table well, in old alluvium. Records available: 1928-30, 1935-36, 1938-46, 1950. July 28, 7.67; Oct. 5, 7.38; Dec. 28, 2.10.

Malheur County

15/40-2H1. Max Holloway. Drilled well in gravel, diameter 12 inches, depth 421 feet. Land-surface datum is about 3,900 feet above msl. Records available: 1950. Oct. 27, 18.86.

15/40-2N1. Rankin Crow. Drilled well in gravel, diameter 10 inches, depth 128 feet. Land-surface datum is about 3,900 feet above msl. Records available: 1950. Aug. 24, 34.19; Oct. 27, 33.39.

18/47-17D1. Earl Weaver. Drilled well, diameter 3 inches, depth 135 feet. Land-surface datum is about 2,160 feet above msl. Records available: 1950. Oct. 27, 10.01.

21/38-17Q1. Charles Wilson. In Juntura, about 0.1 mile northeast of State Highway 50 on Francis Ave. Dug well in gravel, diameter 12 inches, depth 14 feet. Land-surface datum is about 2,960 feet above msl. Records available: 1945-50.

Oct. 10, '45	8.13	Aug. 19, '49	6.58	Sept. 10, '50	6.24	Oct. 10, '50	4.24
July 10, '46	5.17	Nov. 12	7.42	16	5.22	14	4.26
May 10, '47	7.05	Feb. 12, '50	11.14	22	5.00	16	3.26
Oct. 8	6.05	July 7	5.21	26	6.34	23	6.27
Mar. 16, '48	10.83	Aug. 24	6.37	Oct. 5	3.27	27	6.68
Mar. '11, '49	10.81	30	6.34	7	3.27	Nov. 1	7.00
July 3	5.66						

28/37-23R1. Earl Obenchain. Dug well in gravel, diameter 4 feet, depth 30 feet. Land-surface datum is about 4,060 feet above msl. Records available: 1950. Aug. 26, 9.39; Oct. 28, 14.14.

28/37-25F1. Earl Obenchain. Drilled well in gravel, diameter 4 inches, depth 96 feet. Land-surface datum is about 4,060 feet above msl. Records available: 1950. Aug. 26, 57.61; Oct. 28, 57.36.

29/37-19A1. George Renick. Drilled well, diameter 6 inches, depth 201 feet. Land-surface datum is about 4,067 feet above msl. Records available: 1950. Oct. 28, 85.43.

32/40-18K1. Keith Wallace. At Burns Junction on U.S. Highway 95, in pump house northeast of service station. Drilled well in volcanic rock, diameter 6 inches, depth 358 feet. Land-surface datum is about 4,000 feet above msl. Records available: 1950. Oct. 28, 235.74.

### Marion County

#### Willamette Valley

4/1W-2C1. W. F. Keil. Water-table well in valley fill. Records available: 1938-50. June 20, 9.19; Oct. 4, 15.33; Dec. 27, 1.50.

4/1W-23G1. Ben Burch. Water-table well in old alluvium. Records available: 1947-50. June 20, 51.35; Oct. 4, 49.87; Dec. 27, 50.45.

4/2W-4C1. W. J. Gering. Water-table well in young alluvium. Records available: 1928-30, 1935-36, 1938-50. June 20, 12.03; Oct. 4, 15.34; Dec. 27, 7.69.

4/2W-34R1. Johnson School. Water-table well in valley fill. Records available: 1928-30, 1935-36, 1938-50. June 20, 11.43; Oct. 4, 17.20; Dec. 27, 1.66.

5/2W-25M1. Agricultural Research Corp. (Sam H. Brown). Artesian water in sand and gravel. Records available: 1938-50. June 20, 19.65; Oct. 4, 23.31.

6/3W-33R1. Gideon E. Stolz. Water-table well in gravel and cobbles. Records available: 1929-30, 1935-36, 1938-50. June 20, 22.13; Oct. 4, 27.54; Dec. 27, 17.29.

6/1-7M1. Fred Lucht. Water-table well in gravel. Records available: 1928-30, 1935-36, 1938-50. June 20, 6.10; Oct. 4, 11.08.

7/3W-11D2. F. G. Kurtz. At north edge of Salem, about 0.5 mile south of Cherry Ave. and North River Road about 150 feet east of road in covered pump pit. Drilled well in sand and gravel, diameter 8 inches, depth 67 feet. Land-surface datum is about 140 feet above msl. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 10, '47	16.45	Dec. 9, '48	16.83	Nov. 25, '49	19.06	Oct. 4, '50	17.99
Mar. 11, '48	10.72	Apr. 4, '49	12.14	June 20, '50	13.44	Dec. 27	11.78
June 17	12.35	June 15	17.49				

#### a Pumping.

7/3W-11G1. Frank Parkhurst. At north edge of Salem on Candlewood Drive about 700 feet east of Cherry Ave. and 100 feet south of Candlewood Drive. Drilled well in sand and gravel, diameter 4 inches, depth 44 feet. Land-surface datum is 144.2 feet above msl. Records available: 1947-50.

Oct. 8, '47	17.89	Sept. 13, '48	18.64	June 15, '49	21.41	Oct. 4, '50	19.10
Mar. 11, '48	12.56	Dec. 9	16.22	Nov. 25	18.85	Dec. 27	14.45
June 17	13.63	Apr. 4, '49	14.30	June 20, '50	15.45		

7/3W-11H7. Sam James. At north edge of Salem, on Candlewood Drive about 200 feet east of Brooks Ave., about 70 feet north of Candlewood Drive. Driven well, diameter 2 inches, depth 27 feet. Land-surface datum is 138.1 feet above msl. Records available: 1948-50.

Mar. 11, '48	6.15	Dec. 9, '48	8.89	Nov. 25, '49	11.79	Oct. 4, '50	11.67
June 17	7.37	Apr. 4, '49	7.58	June 20, '50	8.54	Dec. 27	7.42
Sept. 13	11.27	June 15	10.69				

### Multnomah County

#### Willamette Valley

1N/1-34N1. Weisfield & Goldberg. In Portland. Artesian well in alluvium. Records available: 1941-50.

## 1N/1-34N1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	32.70	May 31	a28.36	Aug. 31	a37.43	Oct. 31	a33.20
Mar. 1	28.52	June 5	a28.68	Sept. 19	a34.25	Nov. 29	a31.83
29	27.58	30	a31.04	Oct. 2	33.61	Dec. 29	27.21
Apr. 29	a29.98	31	a31.76				

a Pumping.

## Umatilla County

## Walla Walla Basin

2N/32-1Q1. E. C. Ralls. Dug well with 1 $\frac{1}{4}$ -inch pipe in southeast corner, diameter dug part, 48 inches, depth 8 feet, in alluvium along Umatilla River. Land-surface datum is about 1,117 feet above msl. Records available: 1945, 1947-50.

Oct. 8, '45	5.97	July 22, '48	5.95	Nov. 11, '49	6.46	Aug. 9, '50	5.88
May 10, '47	6.34	July 1, '49	5.97	Feb. 10, '50	6.36	Oct. 26	6.29
Mar. 16, '48	6.43	Aug. 17	6.00	July 6	6.30		

## 5N/35-1C1. John Clark. Water-table well. Records available: 1933-50.

Feb. 17	24.33	May 17	17.90	Aug. 21	26.32	Oct. 23	16.35
Mar. 15	19.31	June 12	15.69	Sept. 27	23.10	Dec. 20	21.06
Apr. 24	20.00	July 20	24.00				

## 5N/35-2C1. E. J. McSherry. Water-table well. Records available: 1933-50.

Feb. 17	16.73	May 17	15.21	Aug. 21	14.55	Oct. 23	17.05
Mar. 15	17.19	June 12	13.98	Sept. 27	14.93	Dec. 21	17.38
Apr. 24	17.28	July 20	14.12				

## 5N/35-3H1. J. M. Morse Estate. Water-table well. Records available: 1933-50.

Feb. 17	33.77	May 5	26.13	Aug. 21	15.00	Oct. 23	30.79
Mar. 15	34.88	June 12	20.53	Sept. 27	16.29	Dec. 20	34.77
Apr. 24	35.36	July 20	15.45				

## 6N/35-13R1. M. O. Beauchamp. Water-table well. Records available: 1933-50.

Feb. 17	7.10	May 17	7.59	Aug. 21	6.38	Oct. 23	7.99
Mar. 15	7.62	June 12	6.06	Sept. 27	7.91	Dec. 20	6.13
Apr. 24	8.15	July 20	5.97				

## 6N/35-14L1. Conrad Miller. Water-table well. Records available: 1933-50.

Feb. 17	9.25	May 17	9.87	Aug. 21	8.75	Oct. 23	8.72
Mar. 15	8.65	June 12	8.70	Sept. 27	9.07	Dec. 20	7.46
Apr. 26	9.95	July 20	9.38				

## 6N/35-20G1. McBride. Water-table well. Records available: 1933-50.

Feb. 17	7.76	May 17	4.25	Aug. 21	11.60	Oct. 23	5.63
Mar. 15	7.84	June 12	3.73	Sept. 27	6.96	Dec. 20	4.64
Apr. 24	5.99	July 20	a19.57				

a Pumping.

## 6N/35-20Q1. R. P. Lile. Water-table well. Records available: 1933-50.

Feb. 17	35.95	May 17	30.63	Aug. 21	30.21	Oct. 23	31.79
Mar. 15	(f)	June 12	28.52	Sept. 27	a37.13	Dec. 20	33.03
Apr. 26	35.26	July 20	a26.25				

a Pumping.

f Dry.

## 6N/35-24Q1. C. B. Miller. Water-table well. Records available: 1933-50.

Feb. 17	9.32	May 17	9.36	Aug. 21	18.74	Oct. 23	11.17
Mar. 15	9.92	June 12	8.99	Sept. 27	14.33	Dec. 20	10.09
Apr. 24	9.58	July 20	15.76				

6N/35-26C2. Earl Ransom. Water-table well. Records available: 1933-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	23.82	May 17	17.87	Aug. 21	15.82	Oct. 23	17.19
Mar. 15	19.35	June 12	11.87	Sept. 27	12.18	Dec. 20	18.84
Apr. 24	20.99	July 20	13.74				

6N/35-28H1. W. J. Rand. Water-table well. Records available: 1933-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	15.16	May 17	10.90	Aug. 21	9.97	Oct. 23	9.78
Mar. 15	14.10	June 12	10.26	Sept. 27	9.98	Dec. 20	11.69
Apr. 24	12.47	July 20	9.42				

6N/35-28N1. Lottie McKnight. Water-table well. Records available: 1933-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	28.13	May 17	14.78	Aug. 21	16.43	Oct. 23	9.70
Mar. 15	26.30	June 12	11.45	Sept. 27	15.76	Dec. 20	19.39
Apr. 24	23.42	July 20	16.05				

a Pumping.

6N/35-30M1. Thad Shepherd. Water-table well. Records available: 1933-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	26.51	May 17	24.26	Aug. 21	24.83	Oct. 23	24.38
Mar. 15	26.74	June 12	19.64	Sept. 27	26.12	Dec. 20	21.77
Apr. 24	26.73	July 20	20.98				

6N/35-34C1. Alpha Reese. Water-table well. Records available: 1933-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	51.49	May 17	40.30	Aug. 21	39.68	Oct. 23	34.68
Mar. 15	49.42	June 12	21.10	Sept. 27	26.04	Dec. 20	47.74
Apr. 24	49.39	July 20	30.06				

a Pumping.

6N/35-36C1. Mr. Redfern. Water-table well. Records available: 1933-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	27.32	May 17	10.65	Aug. 21	33.06	Oct. 23	17.75
Mar. 15	11.89	June 12	8.75	Sept. 27	32.14	Dec. 20	18.00
Apr. 24	10.95	July 20	31.64				

6N/35-36H1. Walter Hermann. Water-table well. Records available: 1933-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	32.34	Apr. 5	17.08	June 28	11.30	Sept. 27	25.80
6	29.89	7	16.90	July 2	10.40	28	25.51
11	29.42	11	16.45	8	10.80	Oct. 5	23.56
17	30.20	15	16.28	14	14.22	7	22.61
20	30.85	20	15.84	16	14.75	11	19.39
22	30.82	24	15.57	19	15.85	15	17.64
28	26.87	27	15.29	20	16.38	20	16.16
Feb. 1	24.58	28	15.29	26	18.39	23	15.66
3	23.93	May 3	14.87	28	19.43	25	15.33
6	23.20	6	14.74	Aug. 2	20.47	28	15.31
9	22.17	9	14.53	5	21.35	Nov. 2	14.90
11	21.39	13	13.97	9	22.02	7	14.38
16	23.24	15	13.02	13	22.81	15	13.93
17	24.35	17	12.04	16	23.66	21	14.71
22	26.63	19	11.55	19	23.89	24	14.99
24	27.15	22	11.14	21	23.98	28	15.20
26	27.16	24	10.11	22	24.02	2	15.25
28	26.85	28	10.23	27	24.11	6	15.33
Mar. 8	18.85	June 2	9.76	29	24.25	10	14.89
12	17.23	5	9.77	Sept. 2	24.42	13	14.77
14	16.78	8	9.65	6	25.20	16	14.88
15	16.57	10	9.47	9	25.12	19	15.05
18	16.12	12	10.13	16	24.73	20	15.19
26	15.39	16	11.27	20	24.89	23	15.41
28	15.65	21	11.54	25	25.63	28	15.54
Apr. 1	16.54	26	11.51				

## Union County

1/38-24R1. H. L. Wagner. Drilled well in basalt, diameter 12 inches, depth 1,150 feet. Land-surface datum is about 2,735 feet above msl. Records available: 1950. July 5, +81.47; Aug. 9, +106.48; Oct. 26, +106.48.



1/39-17L1. A. F. Furman. Water-table well. Records available: 1940-50.  
Feb. 11, 15.70; July 6, 14.50; Oct. 26, 15.16.

3/38-10B1. Union County. Water-table well. Records available: 1936, 1938-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 11	5.42	Sept. 6	7.05	Oct. 20	6.67	Dec. 1	6.20
July 6	6.55	13	7.11	26	6.61	8	6.12
Aug. 9	6.91	20	7.00	Nov. 3	6.52	14	6.05
16	6.89	27	7.15	10	6.42	22	6.02
23	6.98	Oct. 4	6.82	18	6.29	27	6.01
30	7.00	13	6.73	25	6.23		

3/38-25B1. Union County. Water-table well. Records available: 1936, 1938-50.

Feb. 11, 7.61; July 6, 7.50; Oct. 26, 8.50.

#### Wasco County

1N/13-23D1. Cherry Hill District Improvement Co. Water in Yakima basalt. Records available: 1947-50. May 16, 263.00; Oct. 24, 253.00.

1N/13-32G1. Milton Martin. Flowing artesian well in basalt. Records available: 1946-50. July 5, +73.16; Sept. 16, +140.10; Oct. 25, +181.68.

1N/13-32H1. Earl Lash. Flowing artesian well in basalt. Records available: 1947-50. July 5, +43.58; Oct. 25, +52.82.

2N/12-25R1. Ward Weber. Water in sandstone in the Dalles formation. Records available: 1947-50. May 16, 106.13; Oct. 25, 109.40.

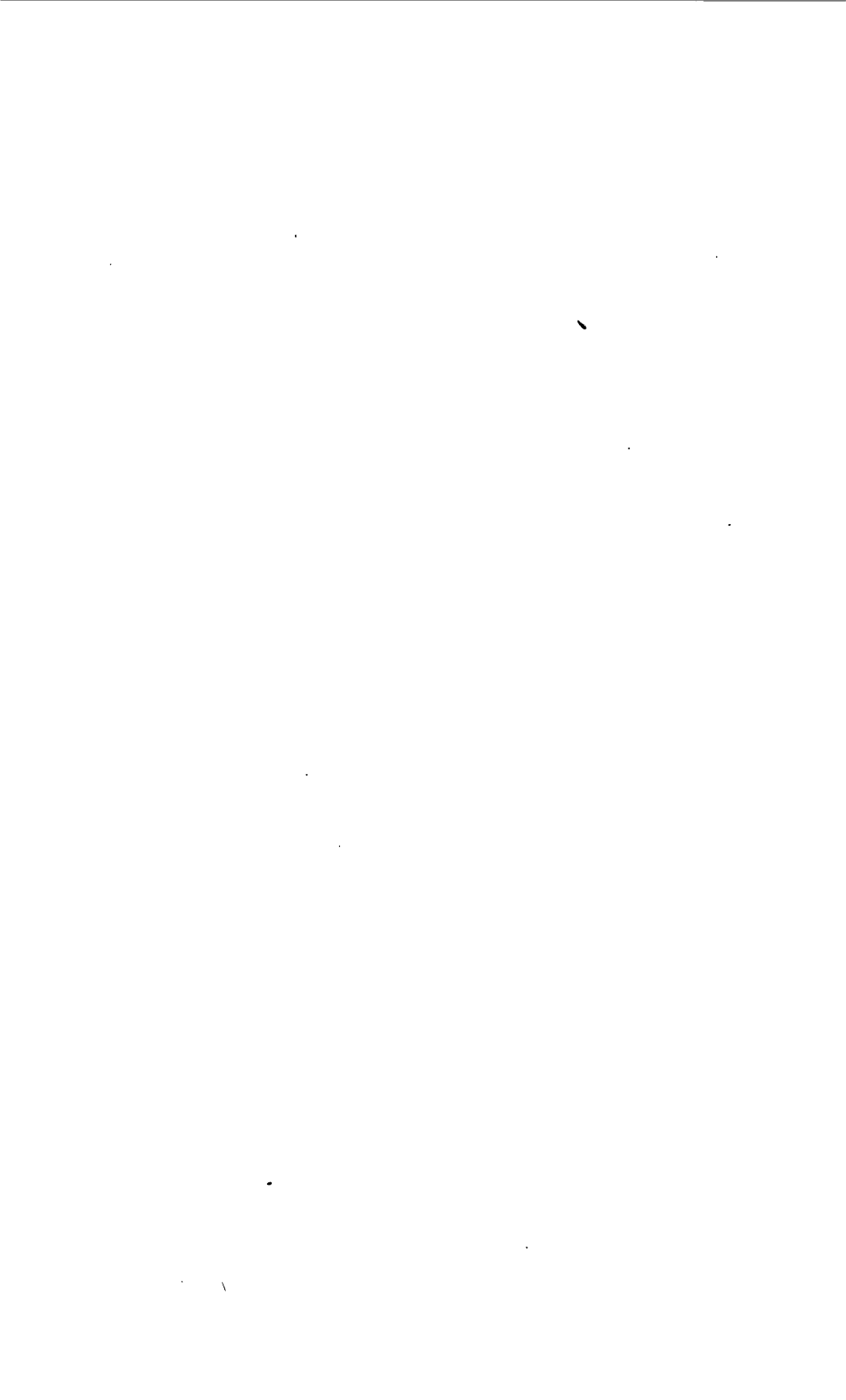
#### Washington County

1/1W-2R1. Elinore Shively. Water in basalt. Records available: 1948-50. July 27, 111.78; Dec. 29, 111.73.

1/1W-21Q2. Guy Woodworth. Measurement discontinued.

#### Yamhill County

5/5W-13B1. George Fuller. Artesian water in gravel and sand. Records available: 1928-30, 1935-36, 1938-50. June 20, 15.21; Oct. 4, 37.16, pumping; Dec. 27, 11.59.



## UTAH

By Philip F. Fix, W. B. Nelson, and R. G. Butler

### Scope of Water-Level Program

The observation-well program in Utah, begun in 1935, was continued in 1950, in cooperation with the State Engineer. The State-wide inventory includes records of measurements in 42 ground-water areas, in each of which the observation wells are measured with a steel tape or, in the case of flowing wells, with a mercury manometer gage. In some areas one or more wells are equipped with recording gages. During 1950 a total of 2,101 measurements was made in 684 wells, 35 of which were equipped with recording gages. Measurements in Salt Lake County were made cooperatively by the Salt Lake City Corporation and in Wasatch County by the Bureau of Reclamation. Investigations were continued in Escalante, Ashley, and Juab Valleys, and in the Weber Delta of the East Shore area. Investigations in the Weber Basin Project area were begun in 1950 in cooperation with the Bureau of Reclamation.

A detailed report on ground-water conditions in Escalante Valley, entitled Ground Water in the Escalante Valley, Beaver, Iron, and Washington Counties, Utah, by Philip F. Fix, W. B. Nelson, Ben E. Lofgren, and R. G. Butler, was prepared, and was published as Technical Publication No. 6 of the State Engineer (102 pp., 10 pls., 1950.)

### Precipitation

The annual precipitation for the State as a whole was about 10 inches which was the lowest annual average since 1935. Totals in the upper end of Great Salt Lake Valley were slightly above normal, with a decrease to about two-thirds normal in the central valleys and over the Uinta Basin, then dropping off sharply to about 50 percent or less in the extreme south, southeast, and the western desert areas. For several stations the annual total was the lowest ever recorded. July was the only month in which precipitation averaged above normal in all sections. August was the second driest on record. Precipitation continued below normal in the southern half of the State the remainder of the year with more favorable distribution in the north with above-normal amounts, especially at higher elevations.

### Interpretation of Water-Level Fluctuations

As used in this report, the net rise or decline of the water levels in a given area is the mathematical average of the changes observed in water levels in the observation wells selected to represent that particular area. This may differ considerably from changes in the water levels of individual wells in the area. Ground-water levels in Utah at the end of 1950, except in the northern part of the State where precipitation during the year was greater than average, generally were lower than at the end of 1949 as the result of deficient precipitation, although they were still above the average for the 1935-50 period of record in most places. Demand for ground water increased throughout the State in 1950, particularly in Escalante, Cedar City, Parowan, Beaver, Pavant, Juab, Sanpete, Jordan, Dugway, and Grouse Creek Valleys, the Sevier Desert, and the East Shore area.

### Well-Numbering System

The well number indicates the location of the well with reference to land subdivision, according to a system adopted by the State Engineer, and described in his 20th Biennial Report (1936), p. 87. The State is divided into four quadrants by the Salt Lake base and meridian. These quadrants are designated by capital letters, thus: A for the northeast quadrant, representing townships north, ranges east; B for the northwest quadrant; C, southwest; and D, southeast. The designation of the township is enclosed in parentheses, and includes one of these letters, a figure showing township, and a figure showing range. Thus, in the number of the first well of the tabulation, (C-26-10)32cad-1, the portion within parentheses indicates that the well is in T. 26 S., R. 10 W. The number following the parentheses designates the section, and the lower-case letters give the location of the well within the section, the first letter indicating the quarter section (the letters a, b, c, d, represent respectively the northeast, northwest, southwest, and the southeast quarters), and succeeding letters showing the location within the quarter-section down to a 10-acre tract. Thus, number (C-26-10)32 cad-1 represents well number 1 in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 32, T. 26 S., R. 10 W. In the area surveyed from the

Uinta special base and meridian (in Duchesne and Uintah Counties) the well numbers are derived in the same manner, and are preceded by the letter U. The State claim or application number given is that used in records of the State Engineer; claim numbers refer to wells that were in existence when the State ground-water law went into effect in March 1935, and the application numbers refer to wells of subsequent origin.

Well Descriptions and Water-Level Measurements  
(Water levels are in feet below land-surface datum unless otherwise indicated.)

Beaver County - Beaver Valley

(C-28-7)16aaa 1. Owner unknown. Records available: 1941-50. Mar. 21, 57.18.

(C-28-7)21daa 1. E. F. Baldwin. Records available: 1935-50. Mar. 21, 19.82; Sept. 29, 19.92; Dec. 5, 18.19.

(C-29-7)3cbb 1. Harry Hodges. Records available: 1938-50. Mar. 21, 20.41; Dec. 5, 21.80.

(C-29-7)17cdd 1. State claim 6919. Drought Relief Administration. Records available: 1935-50. Mar. 21, 22.86; June 19, 9.01; Aug. 3, 14.32; Aug. 12, 16.17; Sept. 25, 19.86; Dec. 5, 24.99.

(C-29-7)19bcd 1. State application 21825. Frank Querry. Records available: 1950. Irrigation well, diameter 16 inches, depth 256 feet. Dec. 13, 17.05.

(C-29-7)28dbd 1. James Nowers. Records available: 1935-50. Mar. 21, 16.06; June 19, 16.02; Aug. 3, 16.25; Sept. 25, 19.45; Dec. 5, 20.37.

(C-29-8)25cac 1. State claim 13115. Beaver School District. Records available: 1936-50. Flowing prior to measurement. Mar. 21, +12.3; Dec. 5, +11.1.

Beaver County - Escalante Valley

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

(C-26-10)32cad 1. State claim 10257. Burton Smithson. Records available: 1936-50. Mar. 22, 12.90; June 7, 13.00; Dec. 5, 14.42.

(C-27-10)18da. Hazel Cannon. Records available: 1941-50. Mar. 22, 13.35; June 7, 13.30; Sept. 25, 14.62; Dec. 5, 14.47.

(C-28-10)6ddc 1. State claim 13114. Beaver County School District. Records available: 1940-45, 1948-50. Dec. 3, 1948, 62.28; Dec. 7, 1949, 62.37; Apr. 4, 1950, 62.21; Dec. 7, 1950, 62.62.

(C-28-10)7bdc 1. M. M. White. Records available: 1941-45, 1948-50. Dec. 3, 1948, 55.04; Dec. 7, 1949, 55.15; Apr. 4, 1950, 54.59; Sept. 29, 56.9; Dec. 7, 55.46.

(C-28-10)8cdd 1. J. R. Murdock. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	3.15	Apr. 23	2.48	June 28	3.89	Sept. 3	4.81
27	1.89	May 30	3.04	July 28	4.29	Oct. 31	3.95
Feb. 26	1.97	June 7	3.33	Aug. 1	4.33	Dec. 5	3.55
Mar. 3	2.26						

(C-28-10)17ccc 1. State claims 11870 and 17173. George C. Goodwin. Records available: 1939-45, 1950. Mar. 22, 4.75; June 8, 6.29; July 28, 29.15, pumping; Sept. 26, 9.70; Dec. 6, 7.38.

(C-28-10)18cbc 1. State application 17555. Carl Elmer. Irrigation well, diameter 14 inches, depth 193 feet. Records available: 1950. Mar. 23, 9.72; June 9, 10.55; Sept. 26, 12.12; Oct. 31, 12.12; Dec. 6, 11.40.

(C-28-10)19add 1. State claim 6564. J. A. Kirk and Sam Cline. Records available: 1936-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	4.65	Apr. 23	a19.5	June 8	a20.1	Sept. 3	a24.72
27	4.15	May 30	a20.39	28	a20.60	Oct. 31	6.48
Feb. 26	3.60	June 7	6.35	July 27	a23.78	Dec. 6	6.37
Mar. 24	3.25						

a Pumping.

(C-28-10)19ddd 1. State claim 2041. Floyd Wright. Records available: 1938-45, 1950. Mar. 22, 6.95; Sept. 26, 13.60; Dec. 6, 10.05.

(C-28-10)21ccd 1. State application 18125. George Mayer. Irrigation well, diameter 12 inches, depth 316 feet. Records available: 1950. Mar. 22, 21.27; July 28, 70.15, pumping; Oct. 31, 24.05; Dec. 6, 23.64.

(C-28-10)29bdd 1. State claim 3453. Duard Evans. Records available: 1950. Mar. 23, 10.39; June 9, 25.60, pumping; July 28, 26.97, pumping; Sept. 26, 16.24; Dec. 6, 13.78.

(C-28-10)29cdc 1. State application 11742. J. H. Hanlon. Records available: 1938-45, 1948-50. Jan. 4, 8.96; Jan. 26, 8.47; Feb. 26, 9.05; Mar. 23, 8.67; May 30, 8.44; Dec. 6, 12.90.

(C-28-10)31add 1. State claim 7640. Howard Gospil. Records available: 1932-45, 1950. Mar. 24, 11.45; June 9, 24.70, pumping; July 28, 26.20, pumping; Dec. 6, 16.25.

(C-28-10)32baa 1. Duane Yardley. Unused well, diameter 8 inches. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 1	8.95	Apr. 23	8.98	May 30	9.92	Sept. 3	14.40
4	8.85	May 7	9.29	June 20	14.10	28	14.51
9	8.78	14	9.41	28	14.85	Oct. 31	14.06
16	8.79	21	9.74	Aug. 11	13.97	Dec. 6	13.40

(C-28-10)32baa 2. Duane Yardley. Unused well, diameter 6 inches. Records available: 1950.

Apr. 1	9.05	July 24	18.17	Sept. 3	18.85	Oct. 31	12.96
June 20	17.80	28	16.55	28	15.07	Dec. 6	12.12
28	18.21	Aug. 11	16.60				

(C-28-10)32ccc 1. State claims 2040 and 3838. Robert Ricketts. Records available: 1938-42, 1950.

Mar. 22	16.94	June 28	23.83	Sept. 3	24.67	Oct. 31	23.55
June 10	22.82	July 28	24.51	26	24.70	Dec. 6	22.32

(C-28-11)22dab 1. Houston & Goff. Records available: 1941-50. Apr. 3, 31.97; Dec. 7, 33.02.

(C-28-11)24daa 1. State claims 11221 and 1317. Leo Mayer. Records available: 1938-45, 1950. Mar. 22, 6.00; June 9, 7.90; June 10, 18.0, pumping; Aug. 10, 10.0; Sept. 26, 20.2, pumping; Dec. 6, 12.90.

(C-28-11)25abd 1. State claim 10323. George Smith. Records available: 1940-43, 1945, 1950. Apr. 3, 4.24; June 9, 6.35; July 30, 7.36, pumping; Dec. 6, 6.83.

(C-28-11)25dcd 1. State application 19995. Jacob Baumbach. Irrigation well, diameter 14 inches, depth 431 feet. Records available: 1950. June 9, 14.32; Aug. 10, 12.40; Sept. 26, 12.15; Dec. 6, 10.27.

(C-28-11)36add 1. State of Utah. Records available: 1932-34, 1938-50.

Jan. 4	11.23	Apr. 23	9.70	June 28	15.38	Sept. 26	17.74
26	10.80	May 29	12.78	July 28	17.35	Nov. 30	14.32
Feb. 26	9.89	June 21	14.48	Sept. 3	17.74	Dec. 6	14.10
Mar. 23	9.24						

(C-28-11)36cad 2. State claim 19388. Lewis Stewart. Irrigation well, diameter 14 inches, depth 85 feet. Records available: 1950. Mar. 23, 11.77; July 28, 37.8; Sept. 26, 20.06; Dec. 6, 16.24.

(C-29-10)6ddc 1. State claim 13116. E. C. McCain. Records available: 1935-50. Feb. 26, 29.35; Mar. 22, 29.03; Apr. 23, 30.68; June 20, 39.00, pumping; Sept. 26, 34.30; Oct. 31, 33.90; Dec. 6, 33.25.

(C-29-10)8aad 1. M. F. Persons. Unused well, diameter 6 inches. Records available: 1950. Apr. 2, 34.25; June 20, 36.45; July 28, 37.44; Sept. 3, 39.16; Sept. 28, 38.82; Oct. 31, 38.42; Dec. 6, 39.45.

(C-29-10)16ccc 1. G. S. Barclay. Records available: 1937-50. Jan. 4, 46.57; Jan. 26, 46.97; Feb. 26, 46.95; Apr. 23, 47.40; Sept. 26, 48.85.

(C-29-11)1add 1. State claim 10290. Duluth Land Co. Records available: 1935-50. Mar. 24, 19.50; June 10, 38.20, pumping; July 31, 40.1, pumping; Dec. 6, 22.69.

(C-29-11)4baa 1. W. H. Child. Records available: 1941-46, 1948-50. Apr. 30, 34.52; Dec. 7, 35.22.

(C-29-11)11aad 1. State claim 5768. Alvin Jones. Irrigation well, diameter 16 inches, depth 70 feet. Records available: 1946-50. Dec. 4, 1948, 16.42; Dec. 7, 1949, 17.17; Mar. 23, 1950, 15.88; July 29, 28.93, pumping; Sept. 28, 1950, 20.30; Dec. 6, 18.75.

(C-29-11)11cdd 2. State claim 7340. Preston Davis. Records available: 1937-50. Well 11cdd 1 replaced by 11cdd 2. Water levels in the two wells are the same distance below land surface and fluctuate the same.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	17.89	Mar. 23	17.10	June 28	a34.84	Sept. 26	21.42
26	17.80	Apr. 23	a34.90	July 28	a35.9	Oct. 31	19.53
Feb. 26	17.52	May 29	a35.48	Sept. 3	a35.60	Dec. 7	19.27

a Pumping.

(C-29-11)12add 1. State application 17728. Jacob Baumbach. Irrigation well, diameter 14 inches, depth 202 feet. Records available: 1950. Mar. 23, 26.25; June 10, 29.07; June 17, 29.27; Dec. 6, 29.72.

(C-29-11)13add 1. State application 18004. Don Olmstead. Irrigation well, diameter 14 inches, depth 276 feet. Records available: 1947-50.

Apr. 25, '47	33.75	Mar. 26, '48	33.23	June 26, '49	35.77	May 29, '50	a43.66
May 25	35.01	Apr. 28	33.15	July 19	34.96	June 10	36.25
June 29	35.55	May 27	35.98	Aug. 30	34.72	17	37.20
July 27	36.65	June 30	37.70	Sept. 25	34.42	20	a45.60
Aug. 24	34.28	July 27	37.42	Oct. 25	34.20	24	37.21
Sept. 28	34.30	Aug. 31	38.38	Nov. 26	33.76	July 15	37.97
Nov. 7	34.01	Oct. 5	34.30	Jan. 4, '50	33.63	24	36.86
Dec. 6	33.81	28	34.08	26	33.62	30	37.32
27	33.71	Nov. 30	33.95	Feb. 26	33.38	Sept. 26	36.58
Jan. 26, '48	33.55	Mar. 25, '49	33.63	Mar. 23	33.30	Oct. 31	36.51
Mar. 1	33.33	May 15	35.24	Apr. 23	35.65	Dec. 6	36.22

a Wells 0.5 mile north and south pumping.

(C-29-11)13ccd 1. State claim 11948. Unused well, diameter 16 inches, depth 71 feet. Records available: 1950. Mar. 24, 29.49; Sept. 26, 32.30; Dec. 7, 31.84.

(C-29-11)22ddd 1. State claim 10667. P. V. Haworth. Records available: 1935-50. Jan. 4, 25.39; Jan. 26, 25.32; Feb. 26, 25.26; Mar. 24, 25.28.

(C-29-11)28add 2. State claim 10254 "R". Otto Kesler. Irrigation well. Records available: 1950. Apr. 2, 20.57; July 28, 27.5, pumping; Dec. 7, 20.42.

(C-29-11)29ada 1. Owner unknown. Records available: 1936-50. Mar. 24, 14.00; Dec. 7, 14.90.

(C-29-11)35bcd 1. Owner unknown. Records available: 1935-36, 1940-50. Mar. 24, 41.12; Dec. 7, 42.04.

(C-30-11)4cdd 1. Owner unknown. Records available: 1935-50. Mar. 24, 25.69; Nov. 3, 26.09; Dec. 7, 25.95.

(C-30-12)4add 1. T. J. Norris. Records available: 1940-50. Dec. 7, 109.05.

(C-30-12)11bbb 1. D. L. Barnes. Records available: 1936-47. Measurement discontinued.

(C-30-12)13bcd 1. Owner unknown. Records available: 1939-45, 1949-50. Dec. 7, 1949, 9.60; Mar. 24, 1950, 9.03; Dec. 7, 1950, 9.64.

(C-30-12)31cab 2. State claim 13455. Corinne Dibkey. Records available: 1938-50. Mar. 24, 16.25; June 16, 16.30.

(C-30-13)29dcc 1. C. D. Vaughn. Records available: 1938, 1940-50. Mar. 24, 55.41; Dec. 7, 55.87.

(C-30-13)34bbb 1. J. F. Dinwiddie. Records available: 1940-50. Mar. 24, 45.66; Dec. 7, 45.78.

Box Elder County - East Shore area

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

(B-7-2)2aba 1. State claim 11922. Earl Lemon. Records available: 1917-24, 1931-32, 1935-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	39.21	May 31	38.06	Aug. 30	39.65	Nov. 25	40.68
Feb. 24	39.63	June 27	38.14	Oct. 3	40.18	Dec. 4	40.99
Mar. 27	39.88	Aug. 1	39.13	29	41.00	29	41.03
May 1	39.46						

(B-7-2)11baa 3. State claim 6409. Bonneville Orchard Co. Records available: 1947-50.

Feb. 3	31.30	May 1	34.26	Aug. 1	32.96	Nov. 25	32.85
24	32.16	31	34.70	30	31.49	Dec. 4	33.16
Mar. 27	33.04	June 27	33.97	Oct. 2	31.15		

(B-7-2)11cda 1. State claim 1489. First Savings Bank of Ogden. Records available: 1936-50.

Feb. 24	19.31	May 1	19.96	June 27	20.11	Oct. 2	18.90
Mar. 27	19.64	31	20.17	Aug. 30	18.91	Nov. 25	19.55

(B-8-2)11cad 1. State claim 973. Clark. Records available: 1946-50. May 1, 31.02.

(B-8-2)23cdb 1. State claims 1284 and 8126. Willard Water Co. Records available: 1935-50.

Jan. 27	39.31	May 1	38.00	Aug. 8	33.62	Nov. 25	39.97
Feb. 24	39.81	31	32.10	30	36.61	Dec. 4	40.18
Mar. 27	39.97	June 27	29.24	Oct. 2	38.12		

(B-8-2)26cdd 1. State claim 917. A. P. Ward. Records available: 1946-50. Dec. 4, +25.7.

(B-9-2)12ccc 1. State claim 499. G. D. Reeder. Records available: 1938-50. Mar. 30, 8.36; Dec. 4, 5.70.

(B-9-2)14dac 1. State claim 549. W. W. and J. F. Knudsen. Records available: 1935-50. Mar. 30, 21.96; Dec. 4, 20.43.

(B-9-2)25bda 1. State claim 268. First National Bank of Brigham. Records available: 1937-50. Mar. 30, 26.60; Dec. 4, 23.84.

(B-9-2)35dcd 1. State claim 477. F. H. Hansen. Records available: 1935-50. Mar. 30, 41.63; Dec. 4, 39.14.

Box Elder County - Lower Bear River Valley

(B-9-3)1bbb 1. State claim 8477. Federal Land Bank. Records available: 1936-50. Mar. 30, 1.96; Dec. 4, 2.66.

(B-10-3)8dc 1. State application 16985. G. A. Gardner. Records available: 1936-50. Mar. 30, 5.32; Dec. 4, 5.87.

(B-10-3)32aaa 1. B. E. Stallings. Records available: 1938-50. Mar. 30, 5.45; Dec. 4, 2.24.

(B-11-3)21bbb 3. J. A. House. Records available: 1936-50. Mar. 30, 3.85; Dec. 4, 3.68.

(B-11-4)11aaa 1. State claim 3337. Fred Deininger. Records available: 1936-50. Mar. 30, 6.05; Dec. 4, 5.3.

(B-12-4)11cb. State claim 14152. Adolph Harris. Records available: 1936-50. Nov. 14, 113.65.

Box Elder County - West Box Elder area

## Blue Spring Valley

(B-13-5)17bca 1. State claim 3776. R. A. Miller. Records available: 1935-50. Nov. 15, 65.05.

(B-13-5)28cba. Joseph Aebischur. Records available: 1936-50. Nov. 11, 57.20.

(B-13-6)1cac 1. Deacon Bros. Records available: 1940-49. No measurement made in 1950.

## Curlew Valley

(B-12-11)8cda 1. State application 12447. Holmgren. Domestic stock well, diameter  $6\frac{1}{4}$  inches, depth 510 feet. Records available: 1936, 1948-50. Oct. 10, 1936, 60.0; Oct. 23, 1948, 58.57; Oct. 19, 1949, 58.39; Nov. 14, 1950, 57.47.

(B-12-11)16cdc 1. U. S. Bureau of Land Management. Records available: 1935-36, 1938-50. Nov. 14, 8.50.

(B-14-8)11ab. B. S. Cutler. Records available: 1936-41, 1943-50. July 1, 43.45; Nov. 15, 42.02.

(B-14-8)2aba 1. Joseph Larkin. Records available: 1948-50. Nov. 15, 31.30.

(B-14-9)10ada 1. Abe Rose. Records available: 1936-42, 1944-50. Nov. 15, 96.00.

## Grouse Creek Valley

(B-10-18)28dcd 1. State application 13796. U. S. Bureau of Land Management. Records available: 1939-50. Nov. 15, 118.88.

(B-11-18)23bb. Central Pacific R.R. Records available: 1936, 1939-50. Nov. 15, 19.16.

(B-11-18)29abc 1. State application 18088. Ross Warburton. Records available: 1948, 1950. Nov. 15, 1.30.

(B-11-18)33ada 1. State application 18061. Ross Warburton. Records available: 1948-50. Nov. 15, 26.58.

(B-11-18)33ada 2. State application 18061. Ross Warburton. Records available: 1948-50. Nov. 15, 26.95. Measurement discontinued.

(B-11-18)33ada 3. State application 18061. Ross Warburton. Records available: 1948-50. Nov. 15, 28.54. Measurement discontinued.

(B-12-18)25bab. Elmer Kimber. Records available: 1948-50. Nov. 15, 20.32.

(B-12-18)36bbb 1. George Blanthorn. Records available: 1948-50. Nov. 15, 9.91.

## Park Valley

(B-10-15)26bad 1. State application 13796. U. S. Bureau of Land Management. Records available: 1939-48, 1950. Nov. 14, 95.10.

(B-12-14)2aa. Albert Hirschie. Records available: 1936, 1938-50. Nov. 14, 8.53.

(B-13-13)28dd. L. G. Carter. Records available: 1936, 1938-50. Nov. 14, 13.50.

(B-13-13)32aa. John Vance. Records available: 1936, 1938-50. Nov. 14, 31.92.

(B-13-14)25ab. J. H. Kunzler. Records available: 1936, 1938-50. Nov. 14, 14.68.

(B-13-14)26bd. W. A. Newman. Records available: 1936, 1938-50. Nov. 14, 18.31.

## Raft River Valley

(B-13-17)1dab 1. State claim 18695. Lynn School District. Records available: 1948-50. Nov. 15, 23.40.

(B-14-15)3ddd 1. State claim 19482. M. A. Smith. Records available: 1936, 1938-50. Nov. 15, 51.20.



(B-14-15)11cc. M. A. Smith. Records available: 1936, 1938-50. Nov. 15, 22.88.

(B-15-14)36. H. Alberts. Records available: 1936, 1938-50. Nov. 15, 3.88.

Cache County - Cache Valley

(A-9-1)10add 1. State claim 8135. Drought Relief Administration. Records available: 1936-50. Mar. 28, 27.11; Dec. 15, 25.82.

(A-10-1)4ab. O. H. Anderson. Records available: 1936-50. Mar. 28, 10.38; Dec. 15, 9.39.

(A-11-1)3bda 1. State claims 23 and 8136. Drought Relief Administration. Records available: 1936-50. Mar. 28, 33.33.

(A-11-1)8dda 3. State claim 1199. Amalgamated Sugar Co. Records available: 1935-50. Mar. 28, +13.3; Dec. 15, +16.5.

(A-11-1)18ddd 1. State claim 5950. Lovenus Olsen. Records available: 1936-50. Mar. 28, +6.5; Dec. 15, +11.3.

(A-11-1)30bdd 2. State claim 18191. Wilford Ward. Records available: 1936-50. Mar. 28, 2.64; Dec. 15, +2.5.

(A-12-1)3bbb 1. State claims 19 and 8129. Smithfield Irrigation Co. Records available: 1936-50. Mar. 28, 11.73; Dec. 14, 4.72.

(A-12-1)3bbb 2. Nora Johnson. Records available: 1936-40, 1942-50. Mar. 28, 13.21; Dec. 14, 4.41.

(A-12-1)29bdd. Arnold Nielson. Records available: 1940-50.

Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.6	19.1	19.2	19.4	19.3	19.7	21.1	22.2	22.4	22.4	22.2	21.6
2	19.7	19.1	19.3	19.4	19.1	19.5	21.1	22.1	22.5	22.4	22.1	21.5
3	19.6	19.1	19.3	19.5	19.0	19.5	21.2	22.2	22.7	22.4	21.8	21.7
4	19.5	19.0	19.1	19.4	19.1	19.5	21.6	22.1	22.8	22.4	21.7	21.5
5	19.6	19.0	19.2	19.3	19.1	19.5	21.5	22.2	22.8	22.5	21.9	21.3
6	19.7	19.1	19.3	19.3	19.0	19.6	21.5	22.4	22.7	....	22.1	21.3
7	19.4	19.1	19.3	19.3	19.0	19.7	21.5	22.4	22.6	....	22.1	21.3
8	19.4	19.0	19.2	19.4	19.1	19.9	21.4	22.4	22.4	....	22.0	21.4
9	19.6	19.1	19.3	19.4	19.1	19.9	21.5	22.3	22.3	....	22.0	21.3
10	19.5	19.1	19.2	19.3	19.0	20.0	21.5	22.3	22.4	22.6	....	21.2
11	19.4	18.9	19.2	19.3	19.1	20.6	21.3	22.3	22.5	22.4	21.9	21.3
12	19.6	18.9	19.2	19.2	19.2	20.5	21.3	22.2	22.5	22.4	22.0	21.2
13	19.2	19.0	19.3	19.3	19.2	20.3	21.8	22.1	22.4	22.2	22.0	20.9
14	19.1	18.9	19.2	19.3	19.3	20.3	21.8	22.2	22.5	22.2	22.0	21.1
15	19.3	18.9	19.1	19.2	19.3	20.4	21.8	22.3	22.5	22.2	21.8	21.2
16	19.3	19.0	19.2	19.6	19.3	20.3	21.9	22.2	22.5	22.2	21.8	21.1
17	19.3	19.0	19.2	19.6	19.2	20.3	21.9	22.3	22.6	22.2	21.7	21.0
18	19.2	19.2	19.2	19.5	19.3	20.3	21.9	22.3	22.6	22.1	21.9	21.1
19	19.3	19.3	19.3	19.5	....	20.4	21.9	22.4	22.5	22.1	21.8	21.0
20	19.3	19.4	19.5	19.5	....	20.5	21.9	22.5	22.5	22.2	21.9	20.9
21	19.4	19.3	19.4	19.5	....	20.7	21.8	22.5	22.5	22.2	21.8	21.0
22	19.5	19.2	19.2	19.5	19.5	20.8	21.9	22.5	22.6	22.3	21.7	21.1
23	19.7	19.2	19.3	19.5	19.3	20.8	22.1	22.3	22.5	22.4	21.8	21.0
24	19.6	19.3	19.3	19.5	19.3	20.4	22.1	22.3	22.5	22.3	21.8	20.9
25	19.4	19.2	19.4	19.4	19.5	20.4	22.0	22.3	22.9	22.1	21.6	21.0
26	19.2	19.4	19.4	19.3	19.5	20.5	22.1	22.3	22.7	22.2	21.7	20.8
27	19.1	19.4	19.5	19.3	19.4	20.7	22.1	22.4	22.7	22.3	21.8	20.3
28	19.3	....	19.4	19.2	19.4	20.8	21.9	22.4	22.6	22.2	21.6	20.4
29	19.2	....	19.3	19.1	19.4	20.9	22.0	22.4	22.5	22.3	....	20.5
30	19.3	....	19.5	19.1	19.7	20.9	22.3	22.4	22.4	22.4	....	21.0
31	19.2	....	....	....	19.7	....	22.2	22.5	....	22.2	....	20.9

(A-12-1)31dab 1. State claim 2537. R. S. Painter. Records available: 1936-47, 1949-50. Mar. 30, +36.8; Dec. 15, +39.7.

(A-13-1)29bdb 1. State claim 1682. J. C. Cannell. Records available: 1936-50. Mar. 28, 1.39; Dec. 14, +4.50.

(A-14-1)22bad 1. State claim 17652. C. B. Stoddard. Records available: 1938-50. Mar. 28, +9.8; Dec. 14, +8.4.

(A-14-1)34adb 1. State claim 1373. Crockett Well Co. Records available: 1935-50. Mar. 28, 7.80; Dec. 14, 11.62.

(A-14-1)34dca 1. State application 12652. Richmond Irrigation Co. Records available: 1937-50. Mar. 28, 0.15; Dec. 14, 2.01.

(B-11-1)13bbc 1. State claim 19315. Alma Olsen. Records available: 1936-49. No measurement made in 1950.

(B-11-1)35caa 1. State claim 1475. J. A. Lieshman. Records available: 1936-50. Mar. 28, +17.2.

(B-12-1)8cdb 2. State claim 16851. Edward Edwards. Records available: 1936-50. Flowing prior to measurements. Mar. 30, +10.1; Dec. 15, +10.6.

(B-13-1)30acc 1. State claim 2757. E. R. Ballard. Records available: 1936-50. Flowing prior to measurements. Mar. 30, +22.6; Dec. 15, +22.8.

#### Carbon County

(D-13-9)24aa 1. State claim 11742. Helper City. Records available: 1946-47. Measurement discontinued.

#### Davis County - East Shore area

(For other wells in this area, see Box Elder and Weber Counties.)

#### Layton District

(B-3-1)15aab 1. State claim 8156. Drought Relief Administration. Records available: 1935-50. Mar. 27, 13.69; May 31, 13.52; Aug. 30, 13.61; Dec. 20, 13.39.

(B-3-1)24aaa 4. State claim 10019. Lagoon Resort. Records available: 1935-49. Measurement discontinued.

(B-3-1)24aad 1. State claim 10012. Lagoon Resort. Records available: 1935-48, 1950. Apr. 5, +3.7; Dec. 20, +10.1.

(B-4-1)19cd. Charles Layton. Records available: 1935-50. Mar. 24, +1.43; May 31, +1.43; Aug. 30, +4.55; Dec. 20, +5.84.

(B-4-1)30ba. W. W. Evans. Records available: 1935-50. Flowing prior to measurement. May 15, +6.75; Aug. 30, +9.65; Dec. 20, +10.2.

(B-4-1)34cbc 3. State claim 14733. Kaysville Canning Corp. Records available: 1937-50. Mar. 24, 2.07; May 31, 2.47; Dec. 20, 2.63.

(B-4-2)9caa 1. State claim 11285. A. D. Miller. Records available: 1937-50. Flowing prior to measurement. Mar. 24, +22.3; Dec. 20, +25.5.

(B-4-2)10daa 1. State claim 8143. Drought Relief Administration. Records available: 1936-43, 1947. No measurement made in 1950.

(B-5-3)36ada 1. State claim 3074. Mary Stoddard. Records available: 1935-50. Flowing prior to measurement. Mar. 24, +31.2; Dec. 20, +30.9.

#### Bountiful District

(A-2-1)6dcd 2. State claim 188. Zions Aid Society. Records available: 1946-50. Mar. 27, +11.5; Dec. 20, +11.6.

(A-2-1)7aba 4. State claim 14688. Kate M. Chase. Records available: 1946-50. Mar. 27, +27.4; Dec. 20, +27.3.

(A-2-1)7ddc 1. State claims 4989 and 8155. Centerville City Corp. Records available: 1939, 1945-50. Mar. 27, 10.12; May 31, 5.37; Dec. 20, 8.74.

(A-2-1)17ccb 1. State claim 11318. Will Holbrook. Records available: 1937-50. Apr. 3, 29.17; Dec. 20, 27.12.

(A-2-1)18abd 12. T. Q. Williams. Records available: 1938-50.

Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.0	22.7	22.9	23.1	24.0	26.7	24.9	26.8	19.0	23.8	23.5	24.0
2	23.0	22.7	22.9	23.1	24.0	24.0	24.5	26.8	19.2	24.1	23.6	23.9
3	22.8	22.7	22.9	23.1	24.0	26.5	25.1	23.5	19.5	24.2	23.5	24.1
4	22.8	22.7	23.0	23.0	24.0	26.0	21.2	21.8	19.1	24.3	23.4	24.2
5	22.7	22.8	23.1	23.0	24.2	25.0	20.6	21.0	20.2	24.5	23.5	24.1
6	22.7	22.8	23.1	23.2	24.5	24.6	21.0	21.1	20.3	24.3	23.6	23.9
7	22.7	22.7	23.0	23.2	24.6	22.0	20.5	21.0	19.9	24.1	23.5	24.1
8	22.8	22.5	23.0	23.2	24.8	21.8	20.6	21.2	19.6	24.1	23.6	24.1
9	22.9	22.6	23.0	23.1	24.8	22.0	20.8	21.0	19.8	24.3	23.4	23.9
10	22.8	22.7	22.9	23.1	25.0	26.0	22.7	19.5	22.6	24.2	23.4	24.0
11	22.8	22.8	22.9	23.1	25.4	26.2	26.6	18.9	23.6	24.1	23.4	24.2
12	22.8	22.8	22.9	23.1	25.5	22.5	27.2	20.2	23.8	24.3	23.5	24.1
13	....	22.8	23.0	23.4	25.8	22.9	27.5	21.3	24.0	24.2	23.6	23.9
14	....	22.8	23.0	23.1	26.0	25.5	27.6	21.4	24.2	24.0	23.5	24.0
15	....	22.7	22.9	23.1	26.0	23.9	26.6	21.1	24.1	24.0	23.4	24.0
16	....	22.8	22.9	23.4	26.1	22.2	23.7	21.2	24.3	24.1	23.5	23.8
17	....	22.8	23.0	23.5	26.1	21.7	25.8	21.0	24.5	24.1	23.5	24.0
18	....	22.7	22.8	23.2	26.1	21.0	26.4	22.0	24.3	23.9	23.6	24.0
19	....	22.8	23.0	23.2	26.3	21.7	27.0	21.5	24.3	23.8	23.7	24.0
20	....	23.0	22.9	23.3	26.6	21.9	24.3	21.8	24.1	23.7	23.8	24.0
21	22.7	22.8	23.0	23.4	25.2	22.0	22.0	19.8	24.2	23.7	23.6	23.8
22	22.7	22.7	22.9	23.4	26.5	21.9	21.2	19.8	24.2	23.8	23.5	23.8
23	22.8	22.9	22.9	23.5	26.7	22.0	20.4	19.5	24.0	23.8	23.6	24.1
24	22.8	22.8	22.9	23.4	26.7	22.3	21.4	19.4	22.2	23.8	23.7	24.0
25	22.8	22.9	22.9	23.5	26.7	25.9	21.5	19.4	21.1	23.8	23.6	24.1
26	22.6	23.0	22.9	23.3	26.7	24.3	21.2	19.0	20.1	23.8	23.9	24.0
27	22.6	23.1	23.0	23.2	26.3	26.5	21.0	18.2	19.7	23.7	24.0	23.9
28	23.0	23.0	22.8	23.5	25.2	26.9	20.9	18.9	20.5	23.8	23.9	23.9
29	22.9	....	22.8	23.5	25.3	27.0	25.2	18.0	20.2	23.9	23.8	24.0
30	22.9	....	22.9	23.8	26.7	24.6	26.5	18.5	23.3	23.9	23.9	23.8
31	22.8	....	23.0	....	26.6	....	26.8	19.2	....	23.7	....	24.1

(A-2-1)18dca 2. State claim 18335. Earl L. Burnham. Records available: 1945-50.  
Apr. 3, 6.39.(A-2-1)19ccb 1. State claim 16478. Kirkland Nursery. Records available: 1945-50.  
Apr. 3, 39.34; Dec. 20, 40.07.(A-2-1)19dbc 1. State claim 1447. Bountiful City Corp. Records available: 1937-50.  
Apr. 3, 64.27; May 31, 65.32; Dec. 20, 64.87.(A-2-1)31ada 1. State application 17511. R. N. Schluter. Records available: 1946-50.  
Apr. 5, 137.46; Dec. 20, 135.72.(A-2-1)31caa 1. State application 17634. H. E. Calder. Records available: 1946-49.  
No measurement made in 1950.(A-2-1)31cca. State claim 8147. South Bountiful Junction Water Co. Records available:  
1946-50. Apr. 5, 125.74; Dec. 20, 129.67.

(B-2-1)24bad 3. State claim 2677. C. R. Gull. Records available: 1946-50.

Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Sept.	Oct.	Nov.	Dec.
1	48.6	....	....	....	....	50.4	....	....	50.3	49.8	49.4
2	48.6	....	....	....	....	50.2	....	....	50.4	49.8	49.0
3	....	....	....	49.6	50.6	50.1	....	....	50.5	49.8	49.1
4	....	....	....	49.7	....	50.1	....	....	50.6	49.7	49.1
5	....	....	....	49.8	....	50.1	....	....	50.5	49.6	49.2
6	....	....	....	50.0	....	....	....	....	50.5	49.3	49.1
7	....	....	....	50.0	51.1	....	....	....	50.5	49.3	49.1
8	....	....	....	49.4	51.0	49.9	....	....	50.2	49.6	49.1
9	48.7	....	....	49.1	51.3	....	47.2	....	50.2	....	49.0
10	48.8	....	....	49.2	51.1	....	47.6	48.4	49.9	....	48.9
11	48.7	....	....	....	51.2	50.0	49.7	48.6	49.8	....	49.0
12	....	....	....	....	51.5	....	....	49.1	....	49.4	49.1
13	....	....	....	....	51.5	....	....	49.4	....	49.5	49.0

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

Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Sept.	Oct.	Nov.	Dec.
	....	....	....	....	....	....	....	49.6	50.3	49.5	49.0
	....	....	....	....	....	....	....	50.0	50.1	49.3	49.1
16	....	....	....	....	....	....	....	50.1	49.9	49.3	48.8
17	....	....	....	....	....	....	....	50.2	49.8	49.5	49.0
18	....	48.7	....	....	....	....	....	50.1	49.7	49.5	48.9
19	....	....	....	....	50.7	....	....	50.2	49.6	49.2	49.2
20	....	48.8	49.2	....	50.5	....	....	50.3	50.1	49.3	48.9
21	....	48.8	49.3	....	50.5	....	....	50.3	50.0	49.4	48.9
22	....	48.7	49.1	....	50.6	....	....	50.4	50.0	49.4	48.9
23	....	....	49.2	49.4	50.8	....	....	50.4	49.9	49.2	48.8
24	....	....	49.1	....	50.7	....	....	50.2	49.5	49.4	48.7
25	....	....	49.3	....	50.6	....	....	50.2	49.6	49.2	48.8
26	....	....	....	....	50.6	....	....	50.5	49.6	49.3	48.9
27	....	48.9	....	....	50.3	....	....	49.9	49.7	49.3	48.7
28	....	48.9	....	....	50.2	....	....	50.4	49.9	49.3	48.8
29	....	....	....	....	50.4	....	49.8	50.1	50.0	49.1	48.9
30	....	....	....	....	50.3	....	50.3	50.2	49.9	49.2	48.8
31	....	....	....	....	50.4	....	....	....	49.8	....	48.7

(B-2-1)24bad 5. State claim 11382. George Mann. Records available: 1946-50.

Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.3	....	32.1	32.6	31.3	26.5	21.8	25.2	23.6	29.8	31.4	31.8
2	31.3	....	32.2	32.8	21.2	26.6	22.1	23.7	23.6	29.5	31.5	31.6
3	29.6	....	32.1	32.6	31.2	27.0	21.1	23.3	23.8	29.9	31.2	31.7
4	28.0	....	31.9	32.7	31.3	27.2	21.4	22.9	24.4	29.9	31.2	31.7
5	29.7	31.1	32.0	32.9	31.3	27.2	22.4	23.2	24.1	30.1	31.3	31.7
6	28.3	31.0	32.1	32.9	31.5	25.2	21.7	22.1	24.0	29.7	31.6	31.8
7	29.7	31.1	32.1	32.9	31.7	25.1	22.0	22.1	24.2	29.7	31.6	31.8
8	31.4	31.1	32.2	32.7	31.5	26.8	23.5	21.2	24.7	29.9	31.7	31.7
9	31.2	31.2	32.1	32.8	21.9	26.8	23.2	21.3	25.2	30.3	31.4	31.6
10	31.2	31.3	32.2	32.5	32.0	27.1	22.8	21.3	25.9	30.3	31.6	31.7
11	31.2	31.4	32.1	32.6	32.5	26.7	25.5	21.7	26.1	30.4	31.6	31.7
12	30.4	31.3	32.1	32.8	32.6	26.4	25.5	21.8	26.9	30.3	31.7	31.7
13	30.2	31.5	....	32.9	32.6	24.5	24.9	22.6	27.4	30.2	31.8	31.8
14	31.6	31.5	32.0	32.8	32.6	23.6	23.3	22.3	27.9	30.0	31.9	31.5
15	29.0	31.5	32.7	32.9	32.7	23.8	22.8	22.5	27.8	30.1	31.7	31.6
16	30.5	31.6	32.5	32.9	31.8	23.6	22.9	22.5	27.6	30.1	31.7	31.5
17	31.0	31.5	32.8	32.8	30.8	22.7	22.8	22.2	27.8	30.6	31.7	31.6
18	31.1	31.4	32.6	32.4	30.1	23.3	20.6	22.2	27.7	30.4	31.8	31.7
19	31.1	31.5	32.4	32.0	30.8	24.2	21.8	21.8	27.6	30.3	31.8	31.7
20	31.1	31.8	32.2	32.0	30.8	23.5	21.0	21.6	27.7	30.4	31.8	31.8
21	31.1	31.8	32.2	31.9	30.7	23.1	21.9	22.6	28.0	30.3	31.9	31.7
22	31.1	31.8	32.3	30.4	30.6	23.8	21.7	22.0	28.1	30.4	31.8	31.7
23	31.3	31.9	32.1	30.6	30.4	23.5	21.5	22.9	27.9	30.3	31.8	31.5
24	31.4	31.9	32.2	30.7	30.3	22.6	21.4	22.5	28.0	30.5	31.7	31.6
25	31.2	31.7	32.1	30.3	29.0	23.2	21.3	23.5	27.9	30.9	31.6	31.7
26	30.3	31.8	32.3	30.1	28.4	23.4	21.2	23.6	28.2	30.9	31.7	31.7
27	32.5	32.0	32.4	29.6	28.4	22.9	21.6	22.9	28.1	30.5	31.8	31.6
28	31.3	32.0	32.4	30.5	27.6	23.0	22.1	22.6	28.8	30.7	31.8	31.6
29	31.2	....	32.5	30.5	28.2	23.0	25.3	22.9	28.7	31.2	31.8	31.6
30	....	....	32.9	31.0	27.0	22.6	26.2	23.4	28.7	31.5	31.8	31.5
31	....	....	32.8	....	27.1	....	26.1	23.5	....	31.1	....	31.7

(B-2-1)24dec 3. Wasatch Oil Refining Co. Woods Cross. Records available: 1945-50.

Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	...	...	6.6	7.4	8.7	9.9	9.5	10.4	8.7	9.6	...	...
2	...	...	6.7	7.4	8.7	9.7	9.3	10.4	8.7	9.6	...	...
3	...	...	6.8	7.2	8.8	9.6	9.2	10.2	8.8	9.8	...	...
4	...	...	6.8	7.2	9.1	9.6	8.8	10.3	8.7	9.4	...	...
5	...	...	...	7.6	9.1	9.3	8.9	10.4	...	...	...	...
6	...	6.4	...	8.2	9.3	9.3	9.0	9.8	...	...	...	...
7	...	6.3	...	8.2	9.2	9.6	9.4	...	8.6	...	...	...

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

Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
8	...	6.4	...	8.1	9.1	9.6	9.6	9.7	8.7	...	8.4	...
9	...	6.5	...	8.0	9.1	10.1	9.6	9.7	8.7	...	8.2	...
10	...	6.7	...	7.7	9.3	10.3	9.7	9.7	8.8	...	8.2	...
11	...	6.6	...	7.8	9.4	10.0	10.0	9.7	9.0	...	...	...
12	...	6.5	...	7.9	9.8	9.7	10.2	9.7	9.5	...	...	...
13	...	6.5	...	8.2	9.7	9.7	10.6	9.5	9.6	...	...	...
14	...	6.3	...	8.3	9.7	9.8	10.6	...	9.7	...	...	...
15	...	6.3	...	8.2	9.6	9.9	...	...	9.6	...	...	7.5
16	...	6.5	...	8.2	9.7	...	...	...	...	...	...	7.5
17	6.5	6.6	...	8.2	9.7	...	...	9.5	...	...	...	7.5
18	6.5	6.5	...	8.1	9.7	...	...	9.6	...	...	...	7.4
19	6.4	6.6	...	8.3	9.8	9.7	...	9.3	...	...	...	7.5
20	6.7	6.7	...	8.6	9.9	9.7	10.5	9.2	...	8.9	...	...
21	6.7	6.5	...	...	...	9.8	...	9.2	...	...	...	...
22	6.5	6.6	...	...	...	9.9	...	9.2	9.7	...	...	...
23	6.6	6.7	...	...	...	9.9	...	9.0	9.7	8.6	...	...
24	6.4	6.7	...	...	...	9.9	...	9.0	9.8	8.6	...	...
25	...	6.8	...	...	...	...	...	...	9.8	8.7	...	...
26	...	6.8	...	...	...	9.5	10.3	...	9.7	...	...	...
27	...	6.7	...	...	9.9	9.6	...	...	9.6	...	...	...
28	...	6.6	...	...	10.1	9.5	...	...	...	...	...	...
29	...	...	...	...	...	9.6	10.6	...	...	...	...	...
30	...	...	...	8.7	...	9.6	10.7	...	...	...	...	...
31	...	...	7.4	...	9.9	...	10.6	...	...	...	...	...

(B-2-1)25bad 2. State claim 12452. Myrtle Hatch. Records available: 1936-50.  
Apr. 3, +8.7; Dec. 20, +7.9.

(B-2-1)25caa 4. Adolphus Ellis. Records available: 1936, 1946-50. Apr. 3, 6.40;  
May 31, 4.63; Aug. 30, 4.58; Dec. 20, 6.27.

(B-2-1)26aad 1. State claim 3556. N. L. Starrs. Records available: 1936-50.  
Apr. 3, +49.8; Dec. 20, +49.7.

(B-2-1)35dad 1. State claim 11335. D. E. Howard. Records available: 1936, 1946-50.  
Flowing prior to measurement. Apr. 3, +17.5; Dec. 18, +16.9.

(B-2-1)36bad 2. State claim 4550. M. P. Parkin. Records available: 1936-50.  
Apr. 3, 13.59; May 31, 12.67; June 27, 12.00; Aug. 30, 12.28; Dec. 18, 13.30.

(B-2-1)36bdd 1. State claim 951. Anna I. Lemon. Records available: 1936-50.  
Apr. 3, +11.4; Dec. 20, +11.3.

(B-2-1)36ccb 1. State claim 17108. Edna T. Harwood. Records available: 1931-50.  
Flowing prior to measurements. Apr. 3, +8.20; Dec. 20, +6.30.

#### Duchesne County - Uinta Basin

(For other wells in this basin see Uintah County.)

U(C-1-2)4adc 1. State claim 8162. Drought Relief Administration. Records available:  
1936-49. No measurement made in 1950.

U(C-1-2)15bbc 1. State claim 2152. R. M. Clarke. Records available: 1935-50.  
Flowing prior to measurement. Nov. 7, +11.1.

U(C-1-2)27aaa 1. State claim 8169. Montwell Latter Day Saints Ward. Records  
available: 1935-49. No measurement made in 1950.

U(C-1-3)28dcd 1. D. H. Allred. Records available: 1939-50. Nov. 7, 6.40.

U(C-1-3)31cca 5. R. A. Lister. Records available: 1939-49. Measurement discontinued.

U(C-1-4)14aad 1. State application 12748. U. S. Forest Service. Records available:  
1939-50. Nov. 7, 2.89.

U(C-1-4)28dcc 1. State claim 8170. Drought Relief Administration. Records available: 1939-50. Nov. 7, 6.03.

U(C-1-5)13ada 3. State claim 8165. Drought Relief Administration. Records available: 1936-50. Nov. 7, 9.82.

U(C-2-1)15dda 1. State application 12977. R. Q. Warnock. Records available: 1939, 1942-45, 1947-50. Nov. 7, +33.3.

U(C-2-1)22bb. State application 12440. E. H. Peterson. Records available: 1937-43, 1945-49. Measurement discontinued.

U(C-2-1)22bcb 1. State claim 958. Stephen Wogac. Records available: 1935-43, 1945-47, 1949-50. Nov. 7, 3.82.

U(C-2-2)23bac 1. State claim 1658. City of Roosevelt. Records available: 1935-49. No measurement made in 1950.

U(C-2-3)33ccd 1. E. B. Thompson. Records available: 1939-50. Flowing prior to measurement. Nov. 7, +1.95.

U(C-3-3)8cdd 1. Henry Richins. Records available: 1936-49. Measurement discontinued.

U(C-3-4)7cad 1. Knight Investment Co. Records available: 1936, 1939-40, 1942-50. May 3, 99.46; Nov. 7, 100.42.

U(C-3-4)21aaa 1. Knight Investment Co. Records available: 1936-50. May 3, 117.31; Nov. 7, 121.72.

U(C-3-4)22bab 1. Knight Investment Co. Records available: 1936-50. May 3, 161.02; Nov. 7, 161.47.

U(C-4-2)5bb. Drought Relief Administration. Records available: 1935-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15	2.79	Apr. 15	3.29	July 15	1.91	Oct. 1	1.94
Mar. 1	2.95	May 1	2.51	Aug. 1	2.10	15	1.94
15	3.08	15	3.22	15	2.04	Nov. 1	1.90
Apr. 1	3.14	June 1	2.59	Sept. 1	1.87	15	1.87
6	3.61	July 1	2.28	15	1.93		

U(C-4-3)4bdc 1. State application 12568. U. S. Bureau of Reclamation. Records available: 1939-48. Measurement discontinued.

#### Garfield County - East Sevier Valley

(C-31-2)10cba 1. Gus Lambson. Records available: 1937-50. Mar. 29, 8.45; Dec. 9, 7.66.

(C-34-2)22dab 1. State claim 8173. Owner unknown. Records available: 1947-50. Mar. 28, 152.57; Dec. 8, 158.92.

(C-35-4)34dca 1. State claim 5140. Charles and Will Proctor. Records available: 1938-50. Mar. 28, 6.12; Dec. 8, 7.31.

(C-36-3)7aac 1. Lillie Stead. Records available: 1938-50. Mar. 28, 4.22; Dec. 8, 7.17.

#### Garfield County - Upper Sevier Valley

(For other wells in the valley see Piute, Sanpete, and Sevier Counties.)

(C-33-5)28bcd 1. State application 11739. Annie Wilcock. Records available: 1937-50. Mar. 29, 46.25; Dec. 9, 44.71.

(C-34-5)8adb 2. D. W. Woodard. Records available: 1935-50. Mar. 29, 16.51; Dec. 9, 15.40.

(C-36-5)28cbb. Horace Burrows. Records available: 1948-49. Measurement discontinued.

Grand County - Colorado River areaCourthouse Syncline

(D-22-19)27dbb 1. Frank Paxton. Records available: 1942-43, 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	44.26	May 3	44.14	Aug. 30	44.92	Nov. 11	44.59
31	44.26	31	44.15	Oct. 1	44.65	29	44.49
Mar. 9	44.09	June 29	44.3	Nov. 3	44.67	Dec. 28	44.42
30	44.03	July 28	44.37				

(D-24-20)22bac 1. State application 13068. U. S. Bureau of Land Management. Records available: 1942-44, 1946-50. Nov. 11, 11.92.

Green River Desert

(D-22-24)29cbc 1. State application 13068. U. S. Bureau of Land Management. Records available: 1946-50.

Jan. 5	19.83	May 1	18.49	Aug. 31	21.44	Nov. 9	20.73
31	19.60	June 2	19.10	Oct. 1	21.18	29	20.48
Feb. 28	17.57	29	20.2	Nov. 3	20.76	Dec. 28	20.23
Apr. 1	18.28	July 31	20.73				

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. Records available: 1946-50.

Jan. 4	37.25	May 3	36.92	Aug. 30	37.16	Nov. 11	37.84
31	37.56	June 3	36.48	Oct. 1	37.55	29	37.81
Mar. 9	38.40	29	36.0	Nov. 4	37.82	Dec. 29	37.85
30	37.48	July 28	36.43				

(D-26-22)17dbb 2. Cleveland. Records available: 1942-43, 1946-50. Nov. 9, 49.88.

Iron County - Cedar City ValleyCoal Creek District

(C-35-11)21dbd 1. State claim 1222. D. C. Urie. Records available: 1939-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.43	23.11	22.80	22.42	21.64	23.64	24.58	25.97	26.74	27.44	27.72	27.63
2	23.35	23.13	22.79	22.39	21.67	23.73	24.62	26.01	26.80	27.50	27.72	27.66
3	23.40	23.08	22.79	22.43	21.71	23.78	24.67	26.05	26.86	27.51	27.73	27.64
4	23.36	23.07	22.77	22.45	21.76	23.78	24.72	26.09	26.88	27.51	27.71	27.63
5	23.43	23.05	22.73	22.39	21.81	23.82	24.77	26.08	26.94	27.51	27.69	27.65
6	23.43	23.03	22.76	22.36	21.75	23.82	24.83	26.04	26.99	27.55	27.71	27.62
7	23.36	23.04	22.77	22.38	21.84	23.84	24.84	25.93	27.04	27.60	27.72	27.60
8	23.31	23.04	22.70	22.37	21.95	23.93	24.90	25.91	27.06	27.59	27.70	27.62
9	23.35	23.00	22.70	22.37	22.05	....	24.95	25.88	27.07	27.59	27.73	27.64
10	23.37	22.96	22.69	22.45	22.13	24.05	24.97	25.86	27.08	27.62	....	27.62
11	23.30	22.95	22.64	22.41	22.26	24.10	25.00	25.77	27.11	27.63	....	27.59
12	23.28	23.02	22.74	22.36	22.40	24.16	25.06	25.73	27.15	27.63	27.68	27.58
13	23.33	23.01	22.71	22.32	22.51	24.18	25.11	25.75	27.19	27.63	27.67	27.57
14	23.24	22.99	22.64	22.33	22.57	24.23	....	25.78	27.23	27.63	27.68	27.57
15	23.33	22.97	22.68	22.32	22.66	24.19	....	25.83	27.26	27.62	27.74	27.59
16	23.29	22.93	22.69	22.30	22.76	24.29	25.27	25.83	27.26	27.64	27.73	27.60
17	....	22.94	22.61	22.25	....	....	25.33	25.92	....	27.64	27.71	27.57
18	23.25	22.93	22.65	22.27	....	24.37	25.38	25.98	27.26	27.66	27.67	27.56
19	23.25	22.90	22.59	22.25	22.97	24.40	25.43	26.05	27.22	27.66	27.70	27.54
20	23.26	22.87	22.63	22.22	23.04	24.45	25.48	26.11	27.19	27.65	27.74	27.57

(C-35-11)21dbd 1--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	23.23	22.89	22.61	22.17	23.09	24.47	25.53	26.18	27.18	27.65	27.73	27.55
22	23.20	22.87	.....	22.13	23.14	24.46	25.58	26.20	27.19	27.67	27.72	27.54
23	23.14	22.85	22.52	22.08	23.19	24.44	25.64	26.24	27.24	27.68	27.71	27.54
24	23.14	22.87	22.45	22.02	23.23	24.38	25.68	26.29	27.27	27.69	27.71	27.52
25	23.20	22.86	22.42	21.85	23.31	24.42	25.73	26.33	27.29	27.68	27.70	27.48
26	23.25	22.82	22.50	21.76	23.37	24.41	25.77	26.40	27.32	27.69	27.68	27.49
27	23.16	22.81	22.50	21.70	23.41	24.41	25.76	26.40	27.35	27.70	27.67	27.50
28	23.10	22.82	22.54	21.71	23.46	24.45	25.81	26.50	27.35	27.69	27.68	27.52
29	23.10		22.52	21.71	23.53	24.49	25.84	26.56	27.36	27.69	27.65	27.52
30	23.11		22.44	21.68	23.57	24.53	25.88	26.61	27.41	27.68	27.63	27.48
31	23.12		22.46		23.61		25.92	26.66		27.69		27.47

(C-35-11)21dec 1. State claim 11599. Wilford Fife. Records available: 1931, 1935-50.  
Mar. 22, 24, 27; Dec. 6, 31, 55.

(C-35-11)27acc 1. State claim 382. Fernleigh Gardner. Records available: 1931, 1935-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	36.46	Apr. 1	35.15	Aug. 1	a54.44	Dec. 3	44.86
31	36.14	May 2	35.06	Sept. 1	a55.78	6	44.64
Mar. 1	35.62	June 1	a47.29	Oct. 2	a56.34	30	43.61
22	36.14	July 1	a51.77	27	47.18		

a Pumping.

(C-35-11)33aac 1. State claim 5126. Cottonwood Pump & Irrigation Co. Records available: 1930, 1935-50.

Jan. 1	60.70	Apr. 1	58.21	Aug. 1	a87.07	Dec. 3	67.78
31	60.12	May 2	a60.84	Sept. 1	a87.15	6	69.04
Mar. 1	58.36	June 1	a83.25	Oct. 2	71.14	30	65.96
22	58.17	July 1	a85.85	27	71.12		

a Pumping.

(C-36-11)8aab 1. State claim 13494. Leonard Hargrave. Records available: 1935-50.

Jan. 1	50.16	Apr. 1	47.32	Aug. 1	60.85	Dec. 3	59.45
31	49.86	May 2	47.33	Sept. 1	60.96	6	57.52
Mar. 1	49.77	June 1	55.01	Oct. 2	61.16	30	56.29
23	47.47	July 1	57.23	27	61.08		

(C-36-11)18aba 2. State claim 17383. Jacob Smith. Records available: 1936-50.  
Mar. 23, 19, 88; Dec. 7, 25, 16.

## Enoch District

(C-34-10)31cbc 1. M. S. Jones. Records available: 1938-50. Mar. 22, 0.36;  
Dec. 6, 2.29.

(C-35-10)18cbb 1. Richard Williams. Records available: 1937-50.

Jan. 1	49.46	Apr. 1	46.33	Aug. 1	a67.06	Dec. 3	54.38
31	49.18	May 2	46.16	Sept. 1	a71.28	6	53.79
Mar. 1	47.31	June 1	a64.26	Oct. 2	a71.32	30	51.98
22	45.81	July 1	a65.02	27	59.47		

a Pumping.

(C-35-11)1cdc 1. State claim 17278. Ray Grimshaw. Records available: 1937-50.  
Mar. 22, 1.89; Dec. 6, 3.56.

(C-35-11)14dab 1. State claim 14000. David Murie. Records available: 1937-50.

Jan. 1	1.77	Apr. 1	1.30	Aug. 1	9.01	Dec. 3	3.00
31	1.71	May 2	1.34	Sept. 1	6.98	6	3.60
Mar. 1	1.16	June 1	16.47	Oct. 2	6.88	30	3.65
22	1.30	July 1	18.74	27	4.07		



## Hamilton Fort District

(C-36-12)26cbb 1. State claim 13747. Cox & Thorley. Records available: 1938-46, 1950. Mar. 23, +4.7; Dec. 7, +3.58.

(C-37-12)11dbc 1. Oliver Berkholder. Records available: 1938-50. Mar. 23, 7.10; Dec. 7, 9.26.

## Iron Springs District

(C-35-11)31acd 1. State claim 13498. Heber Jensen. Records available: 1930, 1935-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	21.97	Apr. 1	19.74	Aug. 1	a82.06	Dec. 3	29.90
31	21.53	May 2	19.59	Sept. 1	a73.06	7	27.60
Mar. 1	21.04	June 1	a79.32	Oct. 2	a73.14	30	26.52
23	19.30	July 1	a80.56	27	33.99		

a Pumping.

(C-35-12)34dcd 1. State claim 4873. R. J. and W. M. Shay. Records available: 1936-50. Mar. 23, 15.70; Dec. 7, 17.26.

(C-36-12)1aaa 2. State claim 13995. M. J. McFarland. Records available: 1931, 1936-50. Mar. 23, 7.32; Dec. 7, 14.79.

(C-36-12)12dba 1. State claim 15411. Branch Agricultural College. Records available: 1936-50.

Jan. 1	13.22	Apr. 1	11.58	July 1	a52.70	Dec. 3	17.36
31	12.71	May 2	11.46	Aug. 1	a55.27	7	18.27
Mar. 1	12.34	June 1	a50.81	Oct. 27	21.64	30	16.68
23	11.55						

a Pumping.

(C-36-12)14bbd 1. G. H. Pratt. Records available: 1936-50. Mar. 23, 5.05; Dec. 7, 6.55.

## Kanarraville District

(C-37-12)23acb 1. State claim 13010. Federal Land Bank. Records available: 1935-50. Mar. 23, 52.38; Dec. 7, 57.44.

(C-37-12)34abb 1. State claims 1646 and 8184. Kanarra Field & Reservoir Co. Records available: 1935-50. Mar. 23, 35.43; Dec. 7, 40.50.

(C-38-12)3bcb 1. State claim 12845. Ford & Williams. Records available: 1938-50. Mar. 23, 66.48; Dec. 7, 66.78.

## Midvalley District

(C-34-11)29bad 1. E. E. Williams. Records available: 1937-50. Mar. 22, 24.50; Dec. 6, 24.74.

(C-34-11)36cbc 2. State claim 10820. George Grimshaw. Records available: 1937-50. Mar. 22, 19.38; Dec. 6, 19.40.

(C-35-11)4dda 1. State claim 5121. Federal Land Bank. Records available: 1937-50. Mar. 22, 1.39; Dec. 6, 7.76.

(C-35-11)8cdd 1. State claim 13703. Charles Corry. Records available: 1937-50.

Jan. 1	11.68	Apr. 1	11.50	Aug. 1	23.21	Dec. 3	15.12
31	11.01	May 2	11.51	Sept. 1	23.02	6	14.54
Mar. 1	10.83	June 1	19.96	Oct. 2	23.10	30	13.99
22	10.37	July 1	22.48	27	18.44		

(C-35-11)15aac 1. State claim 1220. H. D. Haight. Records available: 1937-50.

Jan. 1	6.32	Apr. 1	6.40	Aug. 1	7.02	Dec. 3	7.96
31	6.41	May 2	6.32	Sept. 1	7.16	6	7.99
Mar. 1	5.06	June 1	6.07	Oct. 2	6.32	30	6.61
22	6.29	July 1	6.32	27	7.94		

## Queatchupah District

(C-36-12)20ddc 1. State claim 13516. E. L., H. D., and L. M. Jones. Records available: 1940-50. Mar. 23, 1.50; Dec. 7, 1.92.

(C-36-12)28ccc 1. A. P. Spilsbury. Records available: 1938-50. Flowing prior to measurement. Mar. 23, +8.2; Dec. 7, +6.9.

(C-37-12)9baa 1. State claim 16350. Platt Watson. Records available: 1938-50. Flowing prior to measurement. Mar. 23, +3.37; Dec. 7, +3.85.

## Rush Lake District

(C-33-11)30ddd 1. State claim 6005. G. P. Stapley. Records available: 1938-50. Mar. 22, 35.23; Dec. 6, 35.85.

(C-34-10)6ccc 1. State claim 11213. Public Land. Records available: 1938-50. Mar. 22, 9.89; Dec. 6, 10.82.

(C-34-11)9cdc 1. D. C. Evans. Records available: 1938-50. Mar. 22, 21.78; Dec. 6, 22.30.

Iron County - Escalante Valley

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

(C-31-12)9cbc 1. Alta Bonner. Records available: 1939-45, 1948-50. Mar. 24, 60.05; Dec. 7, 59.99.

(C-31-12)17cad 1. Alta Bonner. Records available: 1939-45, 1948-50. Mar. 24, 52.40, windmill pumping; Dec. 7, 43.82.

(C-31-12)19ccd 1. State claim 20091. Owner unknown. Records available: 1939-50. Mar. 24, 48.80; Dec. 7, 48.98.

(C-31-13)1a 1. State claim 6486. Public Land. Records available: 1938-50. Mar. 24, 27.35; Dec. 7, 27.70.

(C-31-13)4cdd 1. Pearl Boeck. Records available: 1938-50. Mar. 24, 24.70; Dec. 7, 24.80.

(C-31-13)33ccc 1. Lemont Lowe. Records available: 1938-45, 1947-50. Dec. 7, 35.97, pumping recently.

(C-32-12)6cbb 1. Geo. A. Lowe. Records available: 1940-45, 1948-50. Mar. 24, 62.10; Dec. 7, 61.74, windmill pumping.

(C-32-14)28bbb 1. State claim 17227. Joseph Dyson. Records available: 1937-50. Dec. 7, 3.32.

(C-33-13)3d. Rebecca Bullock. Records available: 1941-43, 1945-47, 1949. No measurement made in 1950.

(C-33-15)12aaa 1. State of Utah. Records available: 1939-43, 1945-50. Mar. 31, 15.88; June 16, 15.91; Sept. 29, 15.89; Dec. 7, 16.00.

(C-33-15)13cbb 1. State claim 17615. Iron County. Records available: 1939-45, 1949-50. Mar. 31, 12.65.

(C-33-15)19bba. Latter Day Saints Church. Stock well, diameter 6 inches. Records available: 1949-50. July 11, 1949, 85.00; Aug. 20, 85.12; Sept. 21, 85.20; Mar. 31, 1950, 85.02; June 16, 85.13; Sept. 29, 85.34; Dec. 12, 85.00.

(C-33-15)19bcc 1. Robins & Maguire. Records available: 1937-43, 1945-49. Measurement discontinued.

(C-33-15)25bbb 1. Owner unknown. Records available: 1939-45, 1949-50. Mar. 31, 6.96; Dec. 7, 8.40.

(C-33-15)31cbb 1. Jesse Carlson. Records available: 1936-50. Mar. 31, 25.40; June 9, 25.40; Sept. 28, 25.73; Dec. 7, 25.82.

(C-33-15)33dcb 1. State claim 13492. Arlie Fourman. Records available: 1937-45, 1949-50. Mar. 31, 8.24; Dec. 7, 8.60.

(C-33-15)34ddd 1. U. S. Geol. Survey. Records available: 1939-42, 1949-50. Mar. 31, 7.90.

(C-33-15)36ccc 1. U. S. Geol. Survey. Records available: 1939-42, 1949-50. Mar. 31, 6.10.

(C-33-16)10ccc 1. Aram Boghession. Records available: 1937, 1946-50. Mar. 31, 91.26.

(C-33-16)19ddd 1. Clarence Lynd. Records available: 1935-50. Mar. 27, 66.09; Sept. 29, 66.21; Dec. 8, 66.95.

(C-33-16)22dcd 1. State claim 17566. C. R. Burns. Records available: 1949-50. Mar. 31, 40.48; Dec. 12, 40.82.

(C-33-17)29dcb 1. Frank Webster. Records available: 1935-43, 1945-50. Mar. 27, 107.40; Dec. 8, 107.70.

(C-34-14)31ccc 1. U. S. Geol. Survey. Records available: 1939-43, 1945-50. Mar. 27, 12.99; Sept. 26, 14.27; Dec. 9, 13.87.

(C-34-15)16ccc 1. John McGarry. Records available: 1939-43, 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	4.41	Jan. 4	4.36	Jan. 6	4.32	Sept. 28	4.95
2	4.44	5	4.28	June 9	3.93	Dec. 8	4.92
3	4.40						

(C-34-15)16ccc 2. U. S. Geol. Survey. Records available: 1939-43, 1949-50. Mar. 25, 6.30; June 9, 6.36.

(C-34-15)27daa 2. John McGarry. Records available: 1939-43, 1949. No measurement made in 1950.

(C-34-16)2cbb 1. State application 16236. C. R. Burns. Records available: 1949-50. Mar. 31, 15.00; Dec. 7, 15.10.

(C-34-16)7aab 2. State claim 17296. J. M. Robinson. Records available: 1937, 1939-44, 1949-50. Mar. 27, 11.23.

(C-34-16)9cbc 1. Augustus Lott. Records available: 1937-50. Mar. 31, 7.83; June 9, 8.00; Aug. 9, 8.24; Sept. 29, 8.49; Dec. 12, 8.72.

(C-34-16)15ccc 2. Inland Investment Co. Records available: 1939-43, 1949-50. Mar. 24, 7.39; June 9, 7.48; Sept. 28, 7.91; Dec. 9, 8.21.

(C-34-16)17dcc 2. Owner unknown. Records available: 1937-45, 1949-50. Mar. 27, 6.28; Sept. 28, 7.24; Dec. 8, 7.03.

(C-34-16)18aac 1. Chas. E. Aye. State claim 16944. Records available: 1937, 1939-45, 1949. No measurement made in 1950.

(C-34-16)21dcc 2. Public land. Records available: 1937-50. Mar. 27, 9.10; June 9, 9.13; Sept. 28, 9.54; Dec. 8, 9.70.

(C-34-16)27bcc 2. Public land. Records available: 1937, 1941-45, 1949-50. Mar. 28, 10.00; Dec. 8, 10.92.

(C-34-16)28bcc 2. Fred Fisher. Records available: 1935-50. Mar. 27, 10.40; Aug. 9, 11.05; Sept. 28, 11.21; Dec. 8, 11.35.

(C-34-16)29ccc 1. State application 16524. Monte Miller. Irrigation well, depth 203 feet, diameter 14 inches. Records available: 1949-50. July 11, 1949, 10.97; Sept. 22, 10.00; Dec. 9, 9.85; Mar. 27, 1950, 9.86; Sept. 28, 10.21; Dec. 8, 10.60.

(C-34-16)33cdc 2. Utah Land Security. Records available: 1939-45, 1948-50. Mar. 28, 13.14; June 9, 13.26; Aug. 7, 14.27; Sept. 26, 15.07; Dec. 8, 14.70.

(C-34-16)34cbb 2. John McGarry. Records available: 1937, 1941-45, 1949-50. Mar. 28, 11.44; Dec. 8, 12.85.

(C-34-17)1dab 1. Freda Spooner. Records available: 1937-45, 1949-50. Mar. 27, 21.14.

(C-34-17)9ddd 1. William Haigh. Records available: 1937-50. Mar. 27, 30.54.

(C-34-17)10bbc 1. Wm. B. Prout. Records available: 1939-45, 1949-50. Dec. 8, 32.75. Measurement discontinued.

(C-34-17)24cbb 1. State claim 6835. Marvin Hughes. Records available: 1937-45, 1949-50. Mar. 26, 15.60; Dec. 8, 16.40.

(C-34-17)36acc 1. State application a2392. Jack Rall. Irrigation well. Records available: 1949-50. July 11, 1949, 19.43; Aug. 20, 23.10; Dec. 9, 18.29; Mar. 26, 1950, 18.07; June 10, 18.03; Dec. 8, 19.06.

(C-34-17)36dcc 1. State application A17071. Owner unknown. Irrigation well. Records available: 1949-50. Apr. 20, 1949, 20.71; Aug. 20, 23.78; Sept. 22, 22.02; Dec. 9, 21.12; Mar. 26, 1950, 20.85; Sept. 28, 22.88; Dec. 8, 22.24.

(C-35-12)18ddd 2. State claim 11258. Columbia Steel Co. Records available: 1935-50. Mar. 28, 11.00; Sept. 26, 12.91; Dec. 9, 12.96.

(C-35-15)3dcc 1. State claim 3790. E. J. Graff. Records available: 1935-50. Mar. 28, 13.00; June 9, 19.01; Aug. 8, 18.30; Sept. 26, 16.95; Dec. 9, 13.74.

(C-35-15)3dcc 2. State claim 3788. E. J. Graff. Records available: 1936-50. Mar. 28, 12.37; Aug. 8, 36.45, pumping; Dec. 9, 13.51.

(C-35-15)4dcc 2. Iron County. Records available: 1937, 1939-45, 1949-50. Mar. 28, 11.60; Dec. 9, 12.60.

(C-35-15)6cdd 1. Frank Bridel. Records available: 1936-50. Mar. 28, 12.72; June 9, 12.79; Aug. 8, 13.84; Sept. 26, 14.22; Dec. 9, 14.00.

(C-35-15)7cdd 1. Erwin Schmidt. Irrigation well. Records available: 1949-50. Sept. 22, 1949, 19.05; Mar. 28, 1950, 17.32; Dec. 9, 18.65.

(C-35-15)10add 1. State claim 3787. E. J. Graff. Records available: 1936, 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 6, '49	a51.89	Dec. 8, '49	14.05	June 9, '50	24.05	Sept. 26, '50	16.32
Sept. 21	18.62	Mar. 28, '50	14.00	Aug. 8	a50.0	Dec. 9	14.96

a Pumping.

(C-35-15)10bdc 2. State application 12134. Walter Martin. Records available: 1936-45, 1949-50. Dec. 8, 1949, 14.94; Mar. 28, 1950, 14.82; Aug. 8, 52.4, pumping; Dec. 9, 15.30.

(C-35-15)11bbb 1. Marvel Del Viechio. Records available: 1937-39, 1945-47, 1949-50. Mar. 28, 13.09; June 9, 10.44; Aug. 8, 10.62; Dec. 9, 14.20.

(C-35-15)16ddd 1. State application 12838. Kumen Jones. Records available: 1949-50. Mar. 28, 23.96; June 9, 26.32; Aug. 8, 27.15; Sept. 27, 26.05; Dec. 9, 24.95.

(C-35-15)20bcd 1. Public land. Records available: 1937-39, 1945-50. Mar. 28, 22.85; Dec. 10, 23.83.

(C-35-15)22dcd 1. State application 16703. Kumen Gardner. Records available: 1949-50. Mar. 28, 32.22; June 9, 36.63; Aug. 8, 65.1, pumping; Sept. 27, 35.38; Dec. 9, 33.46.

(C-35-15)23ccc 1. K. S. Gardner. State claim 11602. Records available: 1941-42, 1949-50. Mar. 28, 29.08, inside casing; 28.42, outside casing; June 9, 30.31, inside casing; 29.29, outside casing; Dec. 9, 30.60, inside casing.

(C-35-15)28bdc 1. E. J. Graff. Records available: 1949-50. Mar. 28, 39.12; June 12, 31.30; Aug. 8, 36.70; Dec. 9, 37.35.

(C-35-15)30acc 2. Hugh Ash. Records available: 1936-50. Mar. 29, 28.20; Dec. 10, 28.85.

(C-35-16)3bcd 1. State claim 3792. C. G. Clarke. Records available: 1937-50. Mar. 28, 17.00.

(C-35-16)3dcc 1. State application 17349. Garry Page. Records available: 1949. No measurement made in 1950.

(C-35-16)6ccc 2. Emily Jones. Records available: 1937-39, 1949-50. Mar. 26, 22.65; June 10, 23.37; Aug. 4, 24.90; Sept. 28, 25.47; Dec. 8, 25.20.

(C-35-16)7bcc 1. State application a-2086. H. L. Austin. Records available: 1947-50. Mar. 28, 21.60; June 13, 31.5, pumping.

(C-35-16)10acb 1. State claim 10338. E. G. Thomas. Records available: 1937-39, 1949-50. Aug. 7, 28.7, pumping; Dec. 10, 20.92.

(C-35-16)14ddc 1. Jasper White. Records available: 1948-50. Mar. 29, 21.73; June 10, 22.05; Aug. 7, 22.67; Sept. 28, 23.61; Dec. 10, 23.00.

(C-35-16)15abb 1. Iron County School District. Records available: 1937, 1949-50. Mar. 28, 20.84; June 10, 22.11; Sept. 28, 23.07; Dec. 10, 22.60.

(C-35-16)16bbc 1. State application 16835. Earl Lewis. Records available: 1947, 1949-50. Mar. 26, 20.85; Aug. 7, 31.65, pumping; Sept. 28, 24.75; Dec. 10, 22.81.

(C-35-16)17bad 1. State claim 2230. M. Vicerra. Records available: 1937-42, 1949-50. Mar. 26, 18.45; Aug. 7, 26.2, pumping; Sept. 28, 20.80; Dec. 10, 20.47.

(C-35-16)18cdc 2. State claim 20389. John C. Bosshardt. Records available: 1937-45, 1949-50. Mar. 26, 24.72; June 10, 29.00, pumping; Sept. 28, 33.9, pumping; Dec. 8, 27.36.

(C-35-16)20dcc 1. State claim 11630. Eva Hard. Records available: 1937-40, 1942, 1949-50. Mar. 28, 25.40; Mar. 29, 25.40; Mar. 30, 25.38; Mar. 31, 25.37; Nov. 1, 28.32; Dec. 11, 27.84.

Daily noon water level, from recorder graph

Day	Apr.	May	June	July	Aug.	Sept.
1	25.37	25.60	26.82	27.53	28.30	29.04
2	25.36	25.62	26.89	27.51	28.33	29.03
3	25.37	25.63	26.92	27.52	28.48	29.00
4	25.37	25.66	26.94	27.59	28.62	29.07
5	25.35	25.65	26.97	27.62	28.55	29.06
6	25.35	25.79	27.05	27.62	28.61	29.04
7	25.36	25.77	27.04	27.70	28.64	29.00
8	25.36	25.88	27.03	27.70	28.69	28.99
9	25.36	25.87	27.04	27.70	28.72	28.95
10	25.39	26.02	27.08	27.76	28.67	28.93
11	25.40	26.06	27.12	27.80	28.77	28.93
12	25.40	26.13	27.16	27.82	28.75	28.92
13	25.39	26.17	27.11	27.84	28.78	28.90
14	25.40	26.18	27.20	27.87	28.74	28.87
15	25.40	26.22	27.24	27.92	28.79	28.85
16	25.40	26.31	27.31	27.94	28.83	28.78
17	25.38	26.33	27.31	27.97	28.87	28.76
18	25.41	26.33	27.27	27.95	28.88	28.74
19	25.41	26.43	27.35	28.05	28.87	28.73
20	25.40	26.44	27.33	28.08	28.93	28.69
21	25.41	26.47	27.31	28.12	28.98	28.66
22	25.42	26.53	27.32	28.14	29.02	28.66
23	25.46	26.48	27.39	28.14	28.98	28.65
24	25.49	26.53	27.43	28.16	29.02	28.64
25	25.51	26.58	27.44	28.17	29.01	28.66
26	25.54	26.67	27.45	28.13	29.04	28.67
27	25.57	26.70	27.44	28.14	29.06	28.65
28	25.56	26.71	27.49	28.20	29.02	28.65
29	25.57	26.74	27.52	28.25	29.02	28.65
30	25.58	26.82	27.56	28.31	29.06	.....
31		26.84		28.33	29.02	

(C-35-16)22add 1. State claim 10337. Dewey Goddard. Records available: 1937-50. Mar. 28, 24.82; Aug. 7, 34.97, pumping; Sept. 28, 27.10; Dec. 10, 26.68.

(C-35-16)22bba 1. State claim 17725. Public Land. Records available: 1937, 1939-42, 1947-50. Mar. 28, 24.11; June 10, 25.48. Measurement discontinued.

(C-35-16)28bcc 1. State application 15771. Bruno Biasi. Records available: 1948-50. Mar. 26, 29.20; June 8, 31.80; Aug. 4, 46.9, pumping; Sept. 28, 33.13; Dec. 10, 31.70.

(C-35-16)31abc 1. State application a-2109. C. E. Mitchell. Records available: 1948-50. Mar. 28, 37.54; Aug. 4, 42.60; Sept. 27, 41.85; Dec. 10, 40.45.

(C-35-16)32dcd 1. State application 16831. John McGarry. Records available: 1949-50. Mar. 26, 40.04; June 8, 43.48; Aug. 6, 45.85; Sept. 27, 44.62; Dec. 10, 41.43.

(C-35-17)1bcc 1. State application 15654. H. C. Gribble. Records available: 1949-50. Mar. 26, 28.12; Sept. 28, 28.77; Dec. 8, 29.13.

(C-35-17)3bbb 1. State claim 8432. L. E. and H. M. Sevy. Records available: 1936-50. Mar. 28, 47.34; June 10, 47.87; Sept. 28, 48.42.

(C-35-17)3ccc 1. State application 17133. Milt Sevy. Records available: 1949-50. Mar. 28, 47.18; June 10, 48.21; Aug. 9, 49.25; Sept. 28, 49.03; Dec. 8, 48.35.

(C-35-17)4dcc 1. State application 17286. McFarland Bros. Records available: 1949-50. Aug. 9, 66.9, pumping; Dec. 8, 56.65.

(C-35-17)8cbb 1. State claim 11561. W. W. Adams. Records available: 1937-38, 1941-45, 1949-50. Mar. 28, 87.00; Aug. 9, 87.00; Dec. 8, 86.55.

(C-35-17)13bdc 1. State claim 14228. Austin Moyle. Records available: 1937-42, 1949-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.11	30.89	30.66	30.45	32.85	35.07	35.94	36.91	38.09	36.80	34.31	33.48
2	31.07	.....	30.64	30.43	32.88	35.12	36.04	36.89	38.12	36.69	34.27	33.53
3	31.14	.....	30.65	30.46	32.94	35.30	36.11	36.87	38.08	36.54	34.24	33.47
4	31.08	.....	30.63	30.48	33.05	35.26	35.69	36.87	38.03	36.36	34.17	33.45
5	31.15	.....	30.60	30.62	32.93	35.22	35.53	36.84	37.89	36.17	34.14	33.47
6	31.13	.....	30.63	30.70	33.16	35.29	35.52	36.87	37.80	36.03	34.13	33.40
7	31.05	.....	30.63	30.83	33.15	35.41	35.48	36.83	37.78	35.91	34.10	33.40
8	31.03	.....	30.47	30.77	33.34	35.46	35.49	36.90	37.90	35.76	34.03	33.33
9	31.10	.....	30.57	30.74	33.28	35.62	35.92	36.95	37.87	35.62	34.06	.....
10	31.08	30.77	30.56	30.76	33.49	35.73	35.51	36.99	37.97	35.54	34.02	.....
11	31.01	30.82	30.53	30.74	33.52	35.67	35.75	37.05	37.90	35.44	33.94	.....
12	31.02	30.81	30.63	30.85	33.56	35.59	36.06	37.25	37.85	35.33	33.93	.....
13	31.03	30.80	30.57	31.03	33.55	35.72	36.22	37.38	37.78	35.24	33.87	.....
14	30.97	30.78	30.53	31.12	33.58	35.72	36.38	37.53	37.89	35.16	33.86	.....
15	31.04	30.77	30.47	31.26	33.55	35.82	36.50	37.63	37.58	35.09	33.93	.....
16	31.01	30.73	30.52	31.51	33.62	35.71	36.61	37.66	37.57	35.03	33.86	.....
17	31.01	30.74	30.53	31.49	33.73	35.46	36.58	37.65	37.45	34.96	33.82	.....
18	30.97	30.74	30.55	31.58	33.82	35.38	36.49	37.65	37.27	34.92	33.75	.....
19	30.97	30.70	30.51	31.94	33.82	35.49	36.43	37.80	37.22	34.85	33.78	.....
20	30.98	30.70	30.53	32.01	33.95	35.47	36.38	37.80	37.10	34.77	33.80	.....
21	30.97	30.73	30.54	32.21	34.10	35.57	36.35	37.71	37.05	34.73	33.74	.....
22	30.94	30.70	30.44	32.20	34.20	35.77	36.57	37.65	36.95	34.69	33.71	.....
23	30.89	30.70	30.53	32.30	34.34	36.04	36.75	37.68	36.80	34.66	33.70	.....
24	30.89	30.70	30.48	32.37	34.42	36.08	36.70	37.70	36.64	34.60	33.68	.....
25	30.96	30.68	30.46	32.27	34.39	36.04	36.75	37.64	36.72	34.55	33.65	.....
26	30.98	30.66	30.50	32.27	34.52	35.92	36.73	37.60	36.85	34.52	33.63	.....
27	30.90	30.63	30.48	32.30	34.45	35.94	36.61	37.67	36.98	34.49	33.59	.....
28	30.87	30.67	30.52	32.59	34.42	35.93	36.59	37.72	37.10	34.44	33.58	.....
29	30.86	.....	30.52	32.60	34.58	35.93	36.83	37.83	36.99	34.40	33.54	.....
30	30.88	.....	30.48	32.62	34.80	35.98	36.97	37.97	36.96	34.35	33.50	.....
31	30.88	.....	30.48	.....	34.85	.....	36.93	38.02	.....	34.35	.....	.....

(C-35-17)13ccc. State application a-2077. Henry Moyle. Records available: 1949-50. Mar. 26, 32.60; Aug. 4, 61.7; Sept. 28, 38.74; Dec. 8, 35.75.

(C-35-17)22bcc 2. State application a-1946. P. L. Morris. Records available: 1949-50. Mar. 28, 53.46; June 10, 54.96; Sept. 27, 54.77; Dec. 11, 54.77.

(C-35-17)23acb. State application 14749. Henry Moyle. Records available: 1949-50. Aug. 4, 55.4, pumping; Dec. 6, 39.21.

(C-35-17)25cdd 1. State claim 19069. Henry Brenn. Records available: 1935-50. Mar. 26, 39.73; June 10, 40.59; Aug. 4, 41.72; Sept. 27, 42.15; Dec. 10, 41.85.

(C-35-17)36dcc 1. State application 16425. Marion Crosier. Records available: 1948-50. Mar. 26, 51.06; Aug. 3, 69.5, pumping, Sept. 27, 55.92; Dec. 10, 53.65.

(C-36-15)4cdd 1. State application a-2057. Leo Knell. Records available: 1949-50. Mar. 26, 104.80; Aug. 8, 106.70; Sept. 27, 106.76; Dec. 9, 106.35.

(C-36-15)5ccd 1. R. F. Jones. Records available: 1941-47, 1949-50. Dec. 9, 88.14.

(C-36-15)9ccc 1. State application a-2101 and a-2085. Lonzo Christensen. Records available: 1947-50. Mar. 24, 80.32; Dec. 9, 82.90.

(C-36-16)3ada 1. State application 14709. Coons Estate. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	36.45	Mar. 1	36.41	June 10	36.60	Sept. 26	37.74
Feb. 1	36.46	24	36.43	Aug. 6	37.20	Dec. 9	38.33

(C-36-16)4a 2. State applications 16699 and a-2078. Vern Frailey. Records available: 1949-50. Mar. 24, 49.67; June 8, 51.86; Sept. 26, 53.64; Dec. 10, 52.75.

(C-36-16)5b 1. State application 15147 and a-1832. Curtis Brinkerhoff. Formerly Orlas Alger. Records available: 1949-50. Mar. 24, 55.49; Aug. 3, 69.1, pumping; Sept. 26, 60.34; Dec. 10, 58.86.

(C-36-16)9bcd 1. State application 16253. Wilson Scott. Records available: 1948-50. Mar. 26, 52.90; Aug. 6, 57.43; Aug. 9, 68.80, pumping; Sept. 26, 57.33; Dec. 10, 56.27.

(C-36-16)10bbd 1. State application 16042. B. M. and N. N. Barlow. Records available: 1949-50. Mar. 24, 50.15; Aug. 9, 66.3, pumping; Dec. 10, 54.00.

(C-36-16)16dda 1. C. J. Erickson. Records available: 1937-50. Mar. 24, 62.92; June 8, 63.98; Aug. 6, 64.88; Sept. 26, 65.82; Nov. 8, 65.7; Dec. 10, 65.95.

(C-36-16)19abb 1. State application 15511. T. W. Jones. Records available: 1947-50. Mar. 30, 81.50; Aug. 3, 101.1, pumping; Sept. 27, 87.17; Dec. 11, 86.05.

(C-36-16)19caa 1. J. A. Eldredge. Records available: 1941-42, 1944-50. Mar. 30, 85.34; June 8, 90.83; Aug. 3, 92.75; Sept. 27, 92.62; Dec. 11, 89.60.

(C-36-16)27dcd 1. State claim 10283. Ivins Investment Co. Records available: 1945-50. Mar. 24, 128.94; June 6, 129.58; Aug. 6, 130.40; Sept. 26, 131.13; Nov. 8, 131.88; Dec. 11, 131.72.

(C-36-16)29daa 1. State application 16189. Weyl-Zuckerman Co. Records available: 1945-50. Mar. 30, 91.80; Dec. 11, 95.68.

(C-36-16)31bdd 1. W. H. Leigh. Records available: 1941-50. Mar. 26, 108.93; Aug. 3, 132.50, pumping; Sept. 27, 117.97; Dec. 11, 116.52.

(C-36-16)31ccc 1. State application 16153. Leland Huntsman. Records available: 1947-50. Feb. 28, 116.75; Mar. 24, 116.50; June 7, 126.88; Aug. 3, 143.4, pumping; Sept. 26, 127.51; Nov. 8, 128.0; Dec. 11, 123.15.

(C-36-16)32ddd 1. J. C. Bosshardt. Records available: 1941-42, 1945-50. Mar. 24, 134.36; June 14, 136.96.

(C-36-17)36dbb 1. State application 16338. Albert Holt. Records available: 1949-50. Dec. 11, 126.40.

(C-36-17)36dbb 1--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	121.62	121.36	121.11	120.97	121.33	122.93	124.21	125.60	126.85
2	121.58	121.34	121.10	120.94	121.37	123.01	124.23	125.65	126.89
3	121.65	121.34	121.10	120.97	121.45	123.05	124.28	.....	126.92
4	121.63	121.34	121.04	120.96	121.53	123.09	124.31	125.70	126.97
5	121.60	121.32	121.04	120.94	121.52	123.11	124.39	125.75	127.02
6	121.60	121.30	121.09	120.94	121.56	123.13	124.42	125.77	127.07
7	121.55	121.33	121.07	120.92	121.63	123.15	124.48	125.80	128.10
8	121.54	121.30	121.06	120.92	121.67	123.17	124.52	125.85	127.15
9	121.59	121.27	121.04	120.97	121.72	123.22	124.57	125.90	127.18
10	121.55	121.25	121.01	120.96	121.76	123.26	124.61	125.93	127.20
11	121.53	121.28	121.06	120.95	121.81	123.31	124.64	126.00	127.23
12	121.53	121.28	121.07	120.92	121.85	123.34	124.73	126.03	127.25
13	121.51	121.26	121.01	120.91	121.90	123.40	124.73	126.07	127.29
14	121.48	121.25	121.02	120.94	121.95	123.42	124.78	126.12	127.31
15	121.51	121.23	121.03	120.93	122.01	123.47	124.82	126.17	127.31
16	121.49	121.21	121.01	120.94	122.07	123.50	124.87	126.22	127.32
17	121.48	121.22	120.99	120.92	122.01	123.53	124.92	126.25	127.36
18	121.47	121.20	121.00	120.95	122.15	123.58	124.97	126.28	127.36
19	121.47	121.19	120.95	120.97	122.19	123.61	125.01	126.33	127.36
20	121.46	121.18	120.99	120.97	122.24	123.66	125.04	126.38	127.37
21	121.44	121.18	120.97	120.98	122.30	123.71	125.10	126.41	127.37
22	121.41	121.15	120.96	120.99	122.35	123.68	125.16	126.45	127.37
23	121.36	121.17	120.93	121.03	122.39	123.80	125.21	126.51	127.36
24	121.36	121.16	120.94	121.09	122.45	123.92	125.26	126.55	127.37
25	121.45	121.15	120.97	121.09	122.53	123.96	125.30	126.58	127.35
26	121.42	121.11	121.02	121.15	122.58	124.00	125.35	126.63	127.37
27	121.38	121.13	121.01	121.18	122.62	124.03	125.39	126.65	.....
28	121.38	121.12	121.01	121.18	122.71	124.07	125.44	126.68	.....
29	121.35		121.00	121.25	122.77	124.11	125.48	126.72	.....
30	121.35		120.97	121.28	122.83	124.14	125.48	126.77	.....
31	121.36		120.98		122.88		125.56	126.82	

## Iron County - Parowan Valley

## Buckhorn District

(C-32-8)1ada 1. Iron County. Records available: 1939-50. Mar. 21, 48.09; Dec. 5, 47.93.

(C-32-8)34aad 3. State claim 18168. H. W. Lunt Roadside Park. Records available: 1946-48, 1950. Dec. 5, 4.03.

(C-32-8)35bcb 1. State claim 5683. H. N. Edwards. Records available: 1935-50. Mar. 21, 9.0, flowing prior to measurement; Dec. 5, 8.8.

## Little Salt Lake District

(C-33-9)32ccd 2. State claim 17335. Alfred Wilcox. Records available: 1938-48. Measurement discontinued.

(C-33-9)34cbd 2. State claim 5694. Mary Marsden. Records available: 1935-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	18.88	Apr. 30	c33.68	Aug. 27	53.87	Nov. 26	28.43
Feb. 26	18.52	May 28	c47.10	Sept. 24	44.42	Dec. 6	25.76
Mar. 21	18.22	June 25	c57.87	Oct. 29	40.96	31	20.90
26	18.05	July 30	c60.17				

c Nearby well being pumped.

(C-34-9)6bcd 1. State claim 13506. G. D. Hyatt. Records available: 1938-50. Mar. 22, 4.36; Dec. 5, 5.51.



(C-34-9)8bdd 1. State claim 4868. P. H. Gurr. Records available: 1938-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	14.67	Apr. 30	13.63	Aug. 27	13.89	Nov. 26	15.08
Feb. 26	14.40	May 28	13.60	Sept. 24	14.15	Dec. 6	15.18
Mar. 21	13.80	June 25	13.86	Oct. 29	14.49	31	15.00
26	13.63	July 30	14.00				

## Paragonah District

(C-33-8)28bbb 1. State claim 15133. State of Utah. Records available: 1940-50.

Mar. 21, 8.95; Dec. 5, 12.05.

(C-34-8)5bca 1. Drought Relief Administration. Records available: 1935-50.

Jan. 29	15.19	Apr. 30	14.71	Aug. 27	16.50	Nov. 26	17.79
Feb. 26	14.91	May 28	14.49	Sept. 24	17.00	Dec. 6	17.52
Mar. 20	14.83	June 25	15.35	Oct. 29	17.55	31	17.55
26	14.83	July 30	15.95				

## Parowan District

(C-33-9)24aba 1. State claim 10202. A. J. Decker. Records available: 1938-50.

Mar. 21, 13.7, flowing prior to measurement; Dec. 5, 16.3.

(C-33-9)34dcd 1. State claim 6750 and State application 1426. Federal Land Bank.

Records available: 1935-50. Mar. 21, +0.64; Dec. 5, 7.52.

(C-33-9)35ddd 1. State claim 13812. State of Utah. Records available: 1937-50.

Jan. 29	33.91	Apr. 30	a45.60	Aug. 27	a47.20	Nov. 26	41.17
Feb. 26	33.66	May 28	a46.93	Sept. 24	a47.22	Dec. 5	39.41
Mar. 21	33.43	June 25	a47.10	Oct. 29	42.12	31	38.26
26	33.21	July 30	a47.04				

## a Pumping.

(C-33-9)36dcd 1. State claim 494. H. L. Adams. Records available: 1933-50.

Mar. 21, 33.04; Dec. 5, 40.40.

(C-34-9)10bdd 1. State claim 8801. Federal Land Bank. Records available: 1937-50.

Jan. 29	43.89	Apr. 30	53.23	Aug. 27	62.98	Nov. 26	52.85
Feb. 26	42.95	May 28	57.01	Sept. 24	63.60	Dec. 6	52.84
Mar. 21	42.69	June 25	58.60	Oct. 29	55.52	31	50.26
26	52.63	July 30	61.89				

(C-34-9)16cdd 1. State claim 5818. Federal Land Bank. Records available: 1938-50.

Jan. 29	19.52	Apr. 30	19.77	Aug. 27	23.56	Nov. 29	25.49
Feb. 26	19.31	May 28	20.71	Sept. 24	23.60	Dec. 6	25.55
Mar. 22	19.31	June 25	21.66	Oct. 29	25.13	31	25.80
26	19.30	July 30	22.64				

## Summit District

(C-34-10)24abc 1. State application 12115. R. J. Green. Records available: 1938-50.

Mar. 22, 51.60. Measurement discontinued.

Juab County - Juab Valley

## Chicken Creek District

(C-15-1)4ddd 1. C. H. Johnson. Flowing prior to measurements. Records available: 1938-50. Mar. 31, 5.2; Dec. 4, 5.0.

(C-15-1)12aba 1. State claim 10223. R. C. Mangleson. Records available: 1935-50. Mar. 31, 53.85; Dec. 4, 54.14.

## Salt Creek District

(C-12-1)36dca 1. State claim 2227. Orson Cazier. Records available: 1935-50. Feb. 7, 21.43; Mar. 31, 19.64; June 6, 17.30; June 29, 19.30; Aug. 2, 20.10; Dec. 4, 23.02.

(D-11-1)9bbb 4. State claim 3099. J. L. and H. J. Fowkes. Records available: 1935-50. Mar. 31, +11.5; Dec. 11, +9.8.

(D-11-1)31abc 1. Loren Keyte. Records available: 1936-39, 1941-50. Flowing prior to measurement. Mar. 31, +2.72; Dec. 11, +2.32.

(D-12-1)31cdb 1. State application 15106. James H. Eager. Unused well, diameter 6 inches, depth 238 feet. Records available: 1949-50. Apr. 14, 1949, 30.48; Apr. 5, 1950, 31.79; Dec. 13, 32.85.

(D-13-1)6cbc 1. State claim 8188. Nephi Irrigation Co. Records available: 1935-50. Feb. 7, 24.67; Mar. 31, 23.90; Apr. 5, 23.01; June 29, 26.25; Dec. 4, 28.52.

(D-13-1)7bbd 2. State claim 12165. N. W. Brough. Irrigation well, depth 158 feet, diameter 12 inches. Records available: 1949-50. Apr. 4, 1949, 29.60; Dec. 13, 1950, 34.15.

(D-13-1)18bbc 1. State application 16108. Dee Garrett. Irrigation well, depth 225 feet, diameter 12 inches. Records available: 1949-50. Apr. 4, 1949, 30.70; Dec. 13, 1950, 32.70.

(D-14-1)6baa 1. State claim 2730. C. H. Garrett. Records available: 1935-50. Mar. 31, 188.49.

Juab County - Snake Valley

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

(C-11-16)6ccc. J. H. Guilmette. Records available: 1938-50. Nov. 6, 20.38.

(C-11-17)1bdc 1. State claim 8190. Drought Relief Administration. Records available: 1938-50. Nov. 6, 2.56.

(C-13-18)14dcc 1. Will Parker. Records available: 1938-48, 1950. Nov. 7, 14.66.

(C-13-18)23aab 2. Charles Nielson. Records available: 1939-50. Nov. 7, 5.66.

Millard County - Escalante Valley

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

(C-24-10)22aca 1. U. S. Bureau of Land Management. Records available: 1941-50. Mar. 22, 11.91; June 21, 12.90; Sept. 25, 14.95; Dec. 5, 14.43.

(C-24-10)22acb 1. U. S. Bureau of Land Management. Records available: 1941-50. Mar. 22, 6.95; June 21, 9.28; Sept. 25, 11.07; Dec. 5, 11.60.

(C-25-10)9dba 1. E. C. Hiltbrand. Records available: 1941-48. Measurement discontinued.

(C-25-10)26caa 1. State of Utah. Records available: 1941-50. Mar. 22, 16.54; Dec. 5, 16.64.

Millard County - Pavant Valley

## Pavant District

(C-19-4)31bcc 1. State claim 4263. Union Pacific Railroad. Records available: 1936-50. Mar. 20, 5.54; Dec. 5, 5.45.

(C-19-5)4dda 1. State claim 16405. Lawrence Clark. Records available: 1936-50. Mar. 20, 23.93; Dec. 5, 24.02.

(C-20-5)13dad 1. C. H. Day. Records available: 1937-50. Mar. 20, 37.70; Dec. 5, 36.87.

(C-20-5)22bcc 1. State claim 7671. Arnold Lesin. Records available: 1936-50. Flowing prior to measurement. Mar. 20, +12.3.

## Flowell District

(C-21-5)9cdc 1. State claim 6221. John Carling. Records available: 1943-48, 1950. Mar. 20, 1.63; Dec. 5, 2.66.

(C-21-5)21aba 1. State of Utah. Records available: 1935-50.

## Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	+0.27	+0.45	1.50	10.30	....	....	....	....	13.41	8.37	3.76
2	....	+23	+50	4.26	10.37	....	....	13.06	....	13.46	....	3.80
3	0.55	+33	+47	5.06	10.37	....	....	....	....	13.52	....	3.90
4	....	+39	+55	5.70	10.21	....	....	....	....	13.50	....	3.72
5	....	+35	+65	6.19	9.99	....	....	....	13.66	13.49	....	3.70
6	....	+01	+72	6.74	10.23	12.38	12.60	....	13.71	....	....	3.56
7	....	+23	+64	6.96	10.24	....	....	....	13.73	....	....	3.49
8	....	+21	+69	....	10.34	....	....	....	13.68	13.10	....	....
9	....	+27	....	....	....	....	....	....	13.68	....	....	....
10	.38	+36	....	....	10.41	....	....	13.39	13.57	....	....	....
11	.21	+39	+73	....	10.49	....	....	....	13.58	....	5.88	3.32
12	.13	+26	+63	....	10.34	....	....	....	13.60	....	5.74	3.26
13	.16	+28	+63	....	10.83	12.23	....	....	13.62	....	5.73	3.22
14	.03	+31	+64	....	10.84	....	....	....	13.73	....	5.62	3.17
15	.15	+28	+69	....	10.81	....	12.95	....	13.78	....	4.96	....
16	.08	+34	+71	....	11.07	....	....	....	13.79	....	4.93	....
17	.18	+33	+74	8.60	....	....	....	....	13.71	13.12	4.80	....
18	.07	+31	+66	....	....	....	....	14.04	13.84	13.17	....	....
19	.07	+38	+81	9.38	....	12.42	....	....	....	....	....	....
20	.08	+44	+75	9.49	....	....	....	....	....	....	....	3.02
21	.02	+41	+76	9.84	....	....	....	....	....	....	....	2.96
22	+0.02	+41	+90	9.89	....	....	....	....	13.80	....	....	2.93
23	+0.10	+47	+80	....	....	....	....	....	13.80	....	4.21	2.91
24	+0.18	+44	+82	9.90	....	....	....	....	13.79	....	4.14	2.84
25	+0.16	+42	+82	9.64	11.37	....	....	13.88	13.77	....	4.06	....
26	....	+43	+76	9.67	....	....	13.28	....	13.70	8.07	4.02	....
27	....	+52	+76	9.97	....	....	....	....	13.79	8.88	4.21	2.79
28	....	+50	+73	9.88	....	12.69	....	....	13.84	8.78	....	2.74
29	....	....	+50	9.96	....	....	....	....	13.39	8.69	....	2.75
30	....	....	.06	10.05	....	....	....	....	13.43	8.60	3.82	....
31	....	....	.54	....	....	....	....	....	....	8.51	....	....

(C-21-5)34baa 1. State claim 17381. Frank Sweeting. Records available: 1942-50. Mar. 21, 27.39; Dec. 5, 31.97.

## Hatton District

(C-22-5)28bcc 1. State claim 7675. H. N. Bushnell. Records available: 1943-50. Mar. 21, 12.03; Dec. 5, 14.27.

(C-22-5)28dbd 1. State claim 16860. Charles Swallow. Records available: 1943-50. Mar. 21, 31.65; Sept. 29, 33.10; Dec. 5, 33.48.

(C-22-5)29cda 1. State claim 11976. O. E. Beckstrand. Records available: 1943, 1945-50. Mar. 21, 3.47; Dec. 5, 6.84.

(C-22-5)33cdd 1. State application 13367. L. A. Kimball. Records available: 1943-50. Mar. 21, 50.28; Dec. 5, 52.87.

(C-23-5)6daa 1. State claim 8201. Hatton Well Co. Records available: 1943-50. Mar. 21, 41.22; Dec. 5, 44.09.

(C-23-6)1cad 1. State application 12538. Waldo George. Records available: 1943-48. Measurement discontinued.

## Kanosh District

(C-23-6)8bdb 1. State claim 16582. H. F. and C. H. Watts. Records available: 1943-50. Mar. 22, 26.00; Dec. 5, 24.87.

(C-23-6)19abb 1. Owner unknown. Records available: 1943-50. Mar. 22, 51.09; Dec. 5, 50.79.

(C-23-6)29baa 1. State claim 6581. Owner unknown. Records available: 1943-47, 1949-50. Mar. 21, 62.76; Dec. 5, 61.99.

(C-24-7)25. Frank Paxton. Records available: 1940-50. Mar. 21, 160.77; Dec. 5, 164.76.

#### Meadow District

(C-22-5)9dbc 1. State claim 2232. R. Sweeting. Records available: 1943-47. Measurement discontinued.

(C-22-5)17acc 1. State claim 3296. William Blake. Records available: 1935-50. Flowing prior to measurement. Mar. 21, 35.6; Dec. 5, +32.7.

#### Millard County.- Sevier Desert

(C-15-4)20dcc 1. Spencer Nielson. Records available: 1935-50. Mar. 31, 119.66; Dec. 4, 119.00.

(C-15-5)1aaa 1. I. P. Hinckley. Records available: 1936-50. Apr. 1, 97.76; June 14, 97.02; Dec. 4, 97.52.

(C-15-7)17dad 1. I. H. Losee. Records available: 1937-50. Flowing prior to measurements. Dec. 4, +2.83.

(C-15-8)23bba 1. State claim 12279. C. D. Ashby. Records available: 1938-48. Measurement discontinued.

(C-16-7)4abb 1. L. N. Hinckley. Records available: 1935-50. Apr. 1, +9.3; Dec. 4, +8.9.

(C-16-7)7ccb 1. Millard County. Records available: 1938-50. Apr. 1, 1.33; Dec. 4, 1.56.

(C-16-7)21acd 1. Martin Tanner. Records available: 1938-50. Apr. 1, 10.77; Dec. 4, 11.00.

(C-16-8)3add 2. Parley Probst. Records available: 1945-50. Flowing prior to measurements. Apr. 1, +5.70; Dec. 4, +5.65.

(C-16-8)15ddd 3. State claim 12335. Frank Foot. Records available: 1936-50. Apr. 1, 0.31; Dec. 4, .15.

(C-16-8)21ddd 1. State claim 768. Owner unknown. Records available: 1942-50. Flowing prior to measurements. Apr. 1, +2.76; Dec. 5, +2.73.

(C-16-8)32baa. Owner unknown. Records available: 1942-50. Apr. 1, 4.12; Dec. 5, 4.15.

(C-17-6)7dbb 2. Edward M. Dalton. Records available: 1936-50. Mar. 31, +0.62; Dec. 4, +0.50.

(C-17-6)33dcc 1. State claim 10288. Duluth Land Co. Records available: 1935-50. Flowing prior to measurements. Apr. 1, +9.6; Dec. 5, +8.8.

(C-17-7)20cbb 1. State claim 12287. W. J. Webb. Records available: 1936-50. Flowing prior to measurements. Apr. 1, +6.0; Dec. 5, +5.6.

(C-17-7)30aaa 1. J. G. Parry. Records available: 1935-50. Flowing prior to measurements. Apr. 1, +2.32; Dec. 5, +2.28.

(C-18-7)5aaa 2. State claim 7624. S. A. Webb. Records available: 1935-50. Apr. 1, +5.10; Dec. 5, +5.55.

#### Millard County - Snake Valley

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

(C-18-19)20dad 1. Mrs. Ward Robinson. Records available: 1937-50. Nov. 9, 28.56.

(C-18-19)20ddd 1. State claim 7420. Louise Robinson. Records available: 1937-50. Nov. 9, 28.22.

(C-20-19)7aab. G. S. Quayte. Records available: 1936-37, 1939-46, 1949-50. Nov. 9, +7.80. Flowing prior to measurement.

(C-20-19)7bbd. Marcus Sorenson. Records available: 1936-46, 1949-50. Nov. 9, +4.43.

(C-22-19)6b. Cecil Rowley. Records available: 1942-49. No measurement made in 1950.

(C-23-19)9cdb 1. Thomas Dearden. Records available: 1936-48, 1950. Nov. 8, 1950, 14.30.

#### Morgan County - Morgan Valley

(A-3-2)24cba 1. State claim 12405. Hyrum Adams. Records available: 1936-40, 1942-50. Apr. 6, 14.89; Dec. 12, 16.53.

(A-4-2)8ccd 1. State claim 12133. L. H. Kobabe. Records available: 1940-50. Apr. 6, 18.45; Dec. 12, 19.52.

(A-4-2)15ccc 1. State claim 6594. Jake Pentz. Records available: 1936-50. Apr. 6, 22.60; Dec. 12, 22.44.

(A-4-2)17dbd 1. Heber Anderson Estate. Records available: 1936-49. No measurement made in 1950.

(A-4-2)26ccc. State application 11666. J. C. Little. Records available: 1936-50. Apr. 6, 12.46; Dec. 12, 8.96.

(A-4-2)28baa 1. State claim 9247. Morgan County School District. Records available: 1936-49. No measurement made in 1950.

(A-4-2)35cdd 1. State claim 11785. Albert Wiggins. Records available: 1936-50. Apr. 6, 24.23; Dec. 12, 18.26.

(A-4-3)31bcc. Morgan County. Records available: 1937-50. Dec. 12, 22.01.

(A-4-3)31cab 1. State claim 12410. Como Springs Resort Co. Records available: 1937-50. Apr. 6, 1.93; Dec. 12, 1.83.

(A-4-4)30aac 2. State claim 5670. J. A. Millyard. Records available: 1940-50. Apr. 6, 10.07; Dec. 12, 9.91.

(A-5-1)27db. E. R. France. Records available: 1936-50. Apr. 6, 0.91; Dec. 12, 0.56.

#### Piute County - Grass Valley

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

(C-27-1)27abc 2. State claim 2905. H. B. Crandall. Records available: 1937-50. Flowing prior to measurement. Mar. 29, +4.50; Dec. 9, 3.87.

(C-30-2)33a. Jessie Savage. Records available: 1938-50. Mar. 29, 13.55; Dec. 9, 13.57.

#### Piute County - Upper Sevier Valley

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

(C-30-3)15bba 1. C. P. Jessen. Records available: 1935-50. Mar. 29, 23.87; Dec. 9, 19.83.

(C-30-4)25bcc 1. State claim 8210. Drought Relief Administration. Records available: 1938-50. Mar. 29, 16.82; July 27, 14.18; Dec. 9, 16.77.

#### Rich County - Bear Lake Valley

(A-13-5)10bbb 1. Thomas Hodges. Records available: 1937-50. Nov. 21, 11.55.

(A-13-5)10bbb 2. Thomas Hodges. Records available: 1937-50. Nov. 21, 13.83.

(A-13-5)21ad. Drought Relief Administration. Records available: 1936-48, 1950. Nov. 21, 2.47.

(A-13-5)22bd. Willis Bros. Records available: 1936-50. Nov. 21, 14.73.

(A-13-5)22da. Max Green. Records available: 1936-49. Measurement discontinued.

(A-13-5)25db. Willis Bros. Records available: 1936-50. Nov. 21, 3.99.

(A-13-6)30bb. Rich County. Records available: 1936-50. Flowing prior to measurement. Nov. 21, +7.39.

(A-14-5)21bd. Thomas Hodges. Records available: 1936-48. No measurement made in 1950.

(A-14-5)21bda. J. W. Gibbons. Records available: 1936-50. Nov. 21, 17.10.

(A-14-5)21bdb. Alex Johnson. Records available: 1936-50. Nov. 21, 21.26.

(A-14-5)21cd. C. W. Pope. Records available: 1936-50. Nov. 21, 3.74.

#### Rich County - Upper Bear River Valley

(A-9-7)9bdc 1. State application 16725. Asael Longhurst. Records available: 1948, 1950. Nov. 20, 20.43.

(A-9-7)9cdc 1. State application 16733. James Stuart. Records available: 1948-50. Nov. 20, 26.20.

(A-9-8)17ac. State claim 6837. S. Francis & Sons Co. Records available: 1938-50. Nov. 20, 5.50.

(A-10-7)17abb 1. State application 19400. Fern Kennedy. Records available: 1948-50. Nov. 20, 26.11.

(A-10-7)17ddc. Earl Stuart. Records available: 1947-50. Nov. 20, 24.82.

(A-10-7)20aaa 1. State claim 1886. Joseph Hatch. Records available: 1937-50. Nov. 20, 10.52.

(A-11-7)9cd 1. F. H. Jackson. Records available: 1936-50. Nov. 20, 9.82.

(A-11-7)9cd 2. F. H. Jackson. Records available: 1936-50. Nov. 20, 9.56.

(A-11-7)21bc. Loren Jackson. Records available: 1937-50. Nov. 20, 6.38.

(A-12-7)6bb 1. William Hoffman. Records available: 1936-50. Nov. 20, 6.37.

(A-12-7)26bb 2. William Hoffman. Records available: 1936-50. Nov. 20, 7.16.

#### Salt Lake County - Jordan Valley

(B-1-1)6cca 1. State claim 747. Rudy Gun Club. Records available: 1931-50. Flowing prior to measurements. Apr. 12, +19.4; Dec. 13, +20.0.

(B-1-1)26ddc 2. L. T. Farnsworth. Records available: 1937-50. Flowing prior to measurements. Apr. 3, +5.14; Dec. 13, +5.17.

(B-1-1)33cda 1. State claim 8867. Salt Lake City Corp. Records available: 1935-50. May 29, +13.10; July 27, +12.20; Aug. 15, +12.10; Sept. 26, +12.50; Dec. 11, +13.80.

(B-1-1)36abc 1. Utah Oil Co. Records available: 1931-50. May 29, 12.55; July 18, 14.50; Aug. 15, 14.10; Sept. 26, 16.75; Dec. 11, 12.57.

(B-1-2)36baa 1. E. J. Jeremy. Records available: 1931-33, 1941-50. Flowing prior to measurements. Apr. 3, +14.6; Dec. 13, +15.0.

(C-1-1)22bda 1. State claim 2199. William Gedge. Records available: 1931, 1935-49. No measurement made in 1950.

(C-1-1)33abb 1. W. D. Hill. Records available: 1931, 1935-50. Apr. 7, +16.4; Dec. 13, +22.7.

(C-1-2)19dad 1. State claim 5828. Utah Copper Co. Records available: 1931, 1935-50. Apr. 7, +15.1; Dec. 13, +13.0.

(C-1-2)22cbb 1. F. E. Fowler. Records available: 1931-32, 1934-50. Flowing prior to measurements. Apr. 7, +14.7; Dec. 13, +15.3.

(C-2-1)1bab 2. State claim 4058. C. S. Walters. Records available: 1931, 1935-50. May 25, +14.10; July 7, +9.50; Aug. 29, +11.60; Sept. 18, +15.50; Dec. 19, +18.40.

(C-2-1)10bad 1. E. B. Lindsay. Records available: 1931, 1935-50. Apr. 7, 11.70; Dec. 13, 3.57.

(C-2-1)22bd. W. A. Diamond. Records available: 1931, 1935-50. May 29, 71.00; July 6, 68.02; Aug. 30, 64.12; Sept. 27, 62.50; Dec. 20, 65.30.

(C-2-1)24adc 1. State claim 16012. J. D. Blain. Records available: 1931, 1935-50. Apr. 12, 22.13; Dec. 13, 20.72.

(C-2-1)24ccc 2. J. R. Smith. Records available: 1931, 1935-50. Apr. 7, 1.19. Measurement discontinued.

(C-3-1)27cdd 1. J. R. Dansie and others. Records available: 1931, 1935-50. Apr. 7, 13.51; Dec. 13, 3.75.

(D-1-1)5aad 1. Salt Lake City Corp. Records available: 1936-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	99.80	99.49	99.39	99.30	98.90	.....	.....	101.98	110.93	102.90	101.00	99.90
2	99.70	.....	99.34	99.21	98.04	.....	.....	101.81	111.11	102.84	101.00	99.95
3	99.81	.....	99.37	99.30	.....	.....	.....	103.24	111.16	102.82	101.00	100.02
4	99.75	.....	99.39	99.26	98.87	.....	.....	104.19	111.16	102.50	100.94	99.92
5	99.85	.....	99.36	99.26	99.01	.....	101.20	103.56	111.13	102.44	100.81	100.00
6	99.87	.....	99.22	99.20	99.04	.....	.....	103.20	111.60	102.32	100.70	99.99
7	99.79	.....	99.35	99.20	99.06	98.55	.....	102.85	111.73	102.32	100.78	99.90
8	99.64	.....	99.36	99.17	.....	.....	.....	103.15	111.54	102.16	100.65	99.97
9	99.48	.....	99.32	99.11	.....	.....	.....	104.40	.....	102.00	100.78	100.07
10	99.70	.....	99.29	99.31	.....	.....	.....	105.10	.....	101.98	100.72	100.03
11	99.60	.....	99.24	99.34	99.18	.....	.....	104.66	.....	101.62	100.56	99.93
12	99.56	.....	99.28	99.30	99.10	.....	101.80	104.04	.....	101.86	100.49	99.83
13	99.62	.....	99.12	99.23	99.14	.....	.....	103.66	106.96	101.78	100.37	99.86
14	99.45	.....	99.40	99.18	99.04	99.52	.....	103.59	106.73	101.74	.....	99.85
15	99.66	99.45	99.32	99.28	98.96	.....	.....	104.15	106.36	101.66	100.52	99.87
16	99.63	99.43	99.24	99.31	98.93	.....	.....	105.35	105.97	101.66	100.44	99.94
17	99.54	99.41	99.38	99.26	98.90	.....	.....	105.96	105.79	.....	100.38	99.93
18	99.54	99.45	99.37	99.33	98.92	.....	.....	106.56	105.40	101.62	100.25	99.93
19	99.60	99.45	99.36	99.33	98.89	.....	102.30	107.02	.....	101.59	100.22	99.84
20	99.65	99.35	99.48	99.26	98.83	.....	.....	107.30	104.81	101.46	100.39	99.93
21	99.66	99.30	99.46	99.17	98.86	99.37	.....	.....	104.50	101.43	100.43	99.89
22	99.59	99.40	99.42	99.10	98.90	.....	.....	.....	104.30	101.41	100.34	99.86
23	99.50	99.31	99.18	99.02	98.99	.....	.....	108.69	104.19	101.40	100.20	99.86
24	99.37	99.40	99.08	99.02	98.16	.....	.....	109.00	104.04	101.23	100.20	99.86
25	99.40	99.42	99.13	99.05	98.32	.....	.....	109.30	103.85	101.18	100.77	99.76
26	99.71	99.43	99.22	99.00	98.36	.....	.....	109.59	103.66	101.16	100.24	99.73
27	99.61	99.44	99.26	98.82	98.39	.....	103.40	109.85	103.58	101.11	100.17	99.72
28	99.38	99.32	99.37	98.85	98.33	98.13	103.00	110.08	103.33	101.11	100.16	99.72
29	99.53	.....	99.42	98.95	98.39	.....	.....	102.80	110.40	103.10	101.06	100.07
30	99.48	.....	99.36	98.95	98.47	.....	.....	102.43	110.71	103.10	100.99	99.97
31	99.49	.....	99.31	.....	98.49	.....	.....	102.38	110.71	.....	101.00	99.67

(D-1-1)6ccd 1. Royal Laundry Co. Records available: 1934-50. June 14, 12.50; July 7, 13.30; Aug. 24, 14.60; Oct. 3, 16.60.

(D-1-1)7abd 6. Salt Lake City Corp. Records available: 1931, 1935-50. May 29, +5.55; July 7, +5.35; Aug. 27, +4.85; Sept. 26, +5.90; Dec. 13, +7.10.

(D-1-1)9aca 1. State claim 4836. Salt Lake City Corp. Records available: 1934-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	138.03	137.35	136.65	136.26	135.73	135.21	135.75	136.67	137.45	137.83	136.08	139.99
2	137.93	137.27	136.60	136.18	135.89	135.38	135.79	136.67	137.45	137.92	138.10	138.07
3	138.07	137.23	136.64	136.31	135.82	135.44	135.78	136.70	137.44	137.91	138.11	138.07
4	137.93	137.18	136.55	136.31	135.84	135.40	135.82	137.68	137.46	137.84	137.95	138.07
5	138.07	137.27	136.40	136.16	135.87	135.32	135.87	136.75	137.50	137.76	137.99	138.16
6	138.00	137.25	136.51	136.04	136.02	135.22	135.87	136.81	137.51	137.96	137.85	137.99
7	137.80	137.27	136.54	136.08	135.93	135.55	135.85	136.84	137.55	138.01	136.11	138.03
8	137.73	137.21	136.33	136.05	135.98	135.56	135.93	136.85	137.52	137.89	137.99	138.13
9	137.92	137.15	136.35	136.02	.....	135.49	135.96	136.87	137.57	137.91	137.98	138.17
10	137.79	137.01	137.08	136.24	.....	135.41	135.99	136.89	137.55	137.99	138.01	138.08
11	137.75	137.10	136.25	136.14	.....	135.39	136.04	136.92	137.62	137.95	137.99	138.06
12	137.69	137.15	136.20	136.04	.....	135.42	136.07	136.97	137.63	137.94	137.93	138.03
13	137.75	137.13	136.13	135.92	.....	135.46	136.06	136.97	137.63	137.93	137.84	138.05
14	137.57	137.13	136.27	136.02	.....	135.51	136.01	137.00	137.66	137.88	137.87	138.07
15	137.72	137.10	136.32	136.04	.....	135.50	136.02	137.05	137.65	137.99	138.06	138.13
16	137.55	137.04	136.38	136.01	.....	135.53	136.13	137.10	137.68	137.85	138.06	138.14
17	137.61	136.94	136.35	135.90	135.61	135.52	136.13	137.11	137.69	137.91	136.10	138.12
18	137.60	.....	136.32	136.01	135.67	135.60	136.13	137.10	137.72	138.00	138.00	138.07
19	137.60	.....	136.30	135.98	135.60	135.57	136.20	137.13	137.71	137.97	137.93	138.07
20	137.60	.....	136.34	135.91	135.59	135.61	136.31	137.17	137.78	137.96	137.98	138.11
21	137.54	.....	136.35	135.66	135.50	135.47	136.28	137.17	137.74	137.96	138.10	138.07
22	137.44	136.87	136.27	135.63	135.44	135.54	136.30	137.16	137.74	137.97	138.07	138.09
23	137.23	.....	136.39	135.84	135.41	135.49	136.32	137.22	137.78	137.97	138.08	138.09
24	137.33	.....	136.39	135.80	135.44	135.56	136.38	137.25	137.78	137.98	138.11	138.01
25	137.50	.....	136.13	135.85	135.47	135.76	136.41	137.28	157.77	137.93	138.00	137.95
26	137.44	.....	136.36	135.91	135.39	135.69	136.44	137.32	137.83	137.99	138.04	137.99
27	137.25	.....	136.17	135.94	135.29	135.73	136.48	137.35	137.91	138.04	138.03	138.00
28	137.16	.....	136.49	135.87	135.36	135.75	136.50	137.36	137.74	138.00	138.05	137.95
29	137.11	.....	136.35	135.96	135.40	135.77	136.58	137.37	137.70	138.01	137.99	138.01
30	137.26	.....	136.21	135.90	135.35	135.75	136.59	137.40	137.86	137.94	137.95	137.78
31	137.30	.....	136.34	.....	135.30	.....	136.63	137.42	.....	138.10	.....	137.90

(D-1-1)16caa 1. State claim 4847. Salt Lake City Corp. Records available: 1934-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.48	57.23	57.46	57.19	56.04	55.68	56.21	56.03	55.97	56.02	56.03	56.44
2	56.50	.....	57.43	57.13	56.06	55.70	56.21	56.01	55.97	56.03	56.05	56.45
3	56.53	.....	57.43	57.05	56.07	55.72	56.21	56.00	55.97	56.03	56.06	56.47
4	56.55	.....	57.42	57.00	56.06	55.75	56.21	55.99	55.96	56.02	56.05	56.47
5	56.59	.....	57.38	56.90	56.09	55.78	56.21	55.99	55.96	56.00	56.04	56.47
6	56.62	.....	57.37	56.85	56.09	55.80	56.16	55.99	55.97	56.02	56.06	56.50
7	56.62	.....	57.32	56.82	56.09	55.83	56.16	55.99	55.97	56.02	56.08	56.50
8	56.63	57.23	57.30	56.69	56.12	55.85	56.16	55.99	55.97	56.01	56.10	56.52
9	56.57	57.22	57.29	56.57	56.09	55.88	56.16	55.98	55.97	55.99	56.11	56.54
10	56.59	57.24	57.27	56.54	56.10	55.90	56.16	55.98	55.97	56.00	56.12	56.54
11	56.60	57.26	57.28	56.46	56.09	55.93	56.15	55.98	55.97	56.01	56.12	56.53
12	56.72	57.30	57.28	56.47	56.05	55.98	56.11	55.98	55.97	56.01	56.15	56.53
13	56.76	57.32	57.28	56.41	55.99	56.01	56.10	55.98	55.97	56.01	56.16	56.53
14	56.77	57.33	57.28	56.40	55.93	56.03	56.07	55.96	55.96	56.00	56.19	56.53
15	56.81	57.36	57.28	56.36	55.88	.....	56.06	56.01	55.96	55.98	56.25	56.55
16	56.82	57.38	57.30	56.34	55.80	.....	56.06	56.00	55.96	56.00	56.25	56.56
17	56.86	57.39	57.30	56.31	55.70	.....	56.06	56.00	55.95	55.99	56.25	56.56
18	56.88	57.41	57.31	56.30	55.65	.....	56.05	56.00	55.96	55.99	56.25	56.56
19	56.89	57.42	57.31	56.29	55.58	.....	56.06	55.99	.....	55.99	56.29	56.57
20	56.92	57.43	57.30	56.26	55.57	.....	56.06	55.99	55.99	55.97	56.30	56.60
21	56.94	57.45	57.29	56.21	55.56	56.16	56.05	55.99	55.99	.....	56.34	.....
22	56.95	57.46	57.26	56.17	55.55	.....	56.05	55.98	55.99	.....	56.35	.....
23	56.95	57.46	57.25	56.14	55.53	.....	56.05	55.98	55.99	.....	56.35	.....
24	56.96	57.47	57.23	56.13	55.50	56.15	56.05	55.99	55.99	.....	56.36	.....
25	57.02	57.48	57.23	56.01	.....	.....	56.06	55.99	55.98	55.97	56.38	.....
26	57.05	57.49	57.23	56.07	.....	.....	56.06	55.99	56.00	55.97	56.39	.....
27	57.05	57.48	57.23	56.06	.....	.....	56.05	55.98	56.02	55.99	56.40	56.60
28	57.04	57.47	57.23	56.06	.....	56.20	56.04	55.98	56.02	55.99	56.42	56.60
29	57.08	.....	57.23	56.06	.....	56.21	56.04	55.98	56.02	56.00	56.44	56.61
30	57.09	.....	57.22	56.06	.....	56.21	56.03	55.96	56.02	55.99	56.44	56.62
31	57.11	.....	57.22	.....	55.63	.....	56.03	55.97	.....	56.02	.....	56.62



(D-1-1)19bba 1. State claim 13468. Salt Lake County Hospital. Records available: 1934-50. July 18, +7.50; Aug. 24, +7.50; Sept. 28, +11.60; Dec. 13, +14.90.

(D-1-1)20cdc 4. Louis Lund. Records available: 1932, 1935-50. May 29, +2.00; July 21, +1.92; Aug. 24, +2.00; Sept. 28, +3.90; Dec. 11, +4.20.

(D-1-1)21acc 1. State claim 33. Utah State Prison. Records available: 1931, 1935-50. May 26, 70.57; July 27, 70.77; Aug. 24, 71.82; Sept. 29, 70.37; Dec. 11, 72.54.

(D-1-1)30bbc 9. L. W. Amodt. Records available: 1931, 1935-50. May 26, +5.60; July 7, +4.80; July 18, +3.80; Aug. 29, +3.38; Sept. 26, +8.38; Dec. 13, +12.30.

(D-1-1)31caa 2. State claim 4120. William Sorenson. Records available: 1931, 1935-50. May 26, +10.00; July 21, +7.00; Aug. 25, +6.20; Oct. 3, +12.60; Dec. 11, +14.50.

(D-2-1)4dbd 4. Eugene Templeman. Records available: 1931, 1935-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	+1.78	Apr. 29	0.15	July 27	+2.87	Nov. 9	+3.45
19	+1.78	May 27	+ .20	Aug. 25	+2.95	30	+2.80
Feb. 9	+1.10	June 6	+ .60	30	+3.57	Dec. 15	+3.25
16	+1.03	30	+ .85	Sept. 22	+3.60	30	+2.50
Mar. 30	+ .30	July 7	+1.80	Sept. 30	+4.20		

(D-2-1)5aaa 1. State claim 6685. M. L. Davis. Records available: 1931, 1937-50. May 27, 0.70; June 30, 3.20; July 11, 2.30; Aug. 25, 3.20; Sept. 22, 0.70; Nov. 9, +0.60; Dec. 15, +0.68.

(D-2-1)8bbb 1. State claim 218. A. B. and T. E. Hogge. Records available: 1931, 1935-50. May 25, 0.45; June 30, 5.60; Aug. 25, 5.86; Sept. 21, 0.35; Dec. 19, +0.27.

(D-2-1)15acc 1. M. A. Keyser. Records available: 1934-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	68.72	70.16	71.75	72.60	70.15	65.40	61.14	.....	61.27	62.66	65.07	66.47
2	68.72	.....	71.74	72.57	70.10	65.20	61.00	59.30	61.29	62.80	65.07	66.77
3	69.05	.....	71.81	72.74	69.93	65.20	60.85	59.30	61.31	62.80	65.13	66.76
4	69.05	.....	71.81	72.70	69.83	64.85	60.80	59.31	61.31	62.76	65.13	66.70
5	69.28	.....	71.76	72.75	69.85	64.44	60.67	59.32	61.43	62.75	65.06	66.82
6	69.27	.....	71.83	72.71	69.54	64.10	60.66	59.58	61.57	62.97	65.18	66.70
7	69.27	.....	72.03	72.71	69.20	63.95	60.54	59.53	61.72	63.16	65.27	66.48
8	69.07	70.61	71.85	72.71	69.19	63.90	60.36	59.61	61.73	63.02	65.27	66.60
9	69.35	70.61	71.92	72.71	69.10	63.74	60.24	59.65	61.78	62.98	65.65	66.77
10	69.47	70.54	71.92	72.78	68.90	63.40	60.10	59.66	61.77	63.19	65.68	66.70
11	69.32	70.58	71.93	72.87	68.76	63.22	60.01	59.64	61.73	63.25	65.54	66.53
12	69.34	70.85	72.26	72.60	68.58	63.08	59.90	59.71	61.78	63.27	65.52	66.48
13	69.57	.....	72.26	72.52	68.41	62.89	59.82	59.68	61.85	63.39	65.56	66.41
14	69.37	.....	72.13	72.49	68.27	62.74	59.72	59.82	61.85	63.50	65.56	66.38
15	69.79	71.25	72.25	72.53	68.07	62.47	59.70	59.93	61.89	63.79	66.08	66.43
16	69.58	71.20	72.26	72.53	67.88	62.14	59.69	59.96	61.94	63.79	66.05	66.44
17	69.63	71.31	72.12	72.40	67.88	62.00	59.54	60.01	61.99	63.77	.....	66.43
18	69.83	71.33	72.44	72.38	67.82	61.96	59.55	60.02	62.17	64.00	.....	66.38
19	69.91	71.33	72.31	72.33	67.80	61.80	59.57	60.06	62.20	64.00	.....	.....
20	70.02	71.23	72.44	72.07	67.69	61.68	59.60	60.12	62.36	63.95	.....	66.30
21	69.99	71.47	.....	71.86	67.53	61.78	59.60	60.13	62.45	63.96	66.26	66.28
22	69.98	71.47	72.13	71.76	67.27	61.75	59.53	60.29	62.42	64.08	66.26	66.21
23	69.75	71.46	72.44	71.73	67.14	61.59	59.40	60.44	62.42	64.14	66.30	66.21
24	69.95	71.56	72.26	.....	67.05	61.53	59.35	60.58	62.42	64.20	66.34	66.18
25	70.35	71.58	72.18	.....	67.03	61.74	59.31	60.68	62.42	64.22	66.35	66.04
26	70.46	71.58	72.50	71.20	66.85	61.58	59.31	60.70	62.40	64.37	.....	66.03
27	70.28	71.54	72.55	71.00	66.52	61.50	59.31	60.79	62.63	63.96	.....	66.05
28	70.12	71.77	72.57	70.82	66.29	61.41	59.31	60.79	62.56	64.54	.....	66.04
29	70.20	.....	72.72	70.85	66.27	61.36	59.28	60.80	62.38	64.60	66.46	66.04
30	70.38	.....	72.62	70.63	66.00	61.24	59.27	60.99	62.68	64.60	66.46	66.08
31	70.54	.....	72.62	.....	65.68	.....	59.22	61.09	.....	64.97	.....	65.95

(D-3-1)5cdc 1. Sam Jones. Records available: 1936-50. Apr. 7, 8.85; Dec. 13, 6.87.

San Juan County - San Juan River area

## Moab-Spanish Valley

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

(D-27-22)2dda 1. State application 13070. U. S. Bureau of Land Management. Records available: 1946-48. No measurement made in 1950.

## Church Rock Syncline

(D-28-22)1caa 1. State application 14265. State Road Commission. Records available: 1946-50. Nov. 9, 19.60.

(D-28-23)19dcc 1. State application 13070. U. S. Bureau of Land Management. Records available: 1946-50. Nov. 9, 282.72.

(D-29 - 23)33dbb 1. State application 13070. U. S. Bureau of Land Management. Records available: 1946-50. Nov. 9, 30.67.

(D-30-23)10add 1. State claim 8429. State Road Commission. Records available: 1946-50. Nov. 9, 30.52.

(D-30-24)35bac 1. State claim 8538. Molybdenum Corp. Records available: 1946-49. No measurement made in 1950.

(D-31-23)23add 1. State claim 8254. U. S. Bureau of Land Management. Records available: 1946-50. Nov. 9, 101.29.

## LaSal Valley

(D-29-24)18bab 1. State claim 89. Joseph Redd. Records available: 1946-50. Nov. 9, 16.92.

## Sage Plain

(D-32-23)36dcc. Frank Redd. Records available: 1942-43, 1946-50. Nov. 9, 38.06.

(D-33-24)26bdc 1. State claim 8236. H. L. Hansen. Records available: 1946-49. No measurement made in 1950.

(D-34-24)25aad 1. State application 16754. C. A. Frost. Records available: 1946-50. Nov. 10, 176.93.

(D-34-26)4dad 1. State claim 8249. State Land Board. Records available: 1946-50. Nov. 10, 43.98.

(D-34-26)6ccb 1. State application 16702. W. C. Huffman. Records available: 1946-50. Nov. 10, 70.85.

(D-34-26)30ccb 1. State claim 8243. Clement Johnson. Records available: 1946-50. Nov. 10, 4.88.

(D-36-21)7. U. S. Bureau of Indian Affairs. Records available: 1946-48, 1950. No measurement made in 1949. Nov. 10, 1950, 16.70.

(D-36-22)27ddb 1. M. F. Lyman. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	17.51	Apr. 7	17.22	July 7	15.69	Oct. 13	16.84
13	17.53	14	16.96	14	15.91	20	17.18
20	18.08	21	16.77	21	16.03	28	17.20
27	17.99	28	16.61	28	16.09	Nov. 3	17.20
Feb. 3	17.49	May 5	16.75	Aug. 4	16.18	10	17.69
10	17.45	12	16.65	11	16.25	18	17.57
17	17.68	19	16.37	18	16.36	25	17.97
24	17.49	26	16.30	25	16.25	Dec. 1	15.16
Mar. 3	17.68	June 2	15.90	Sept. 1	13.37	8	17.82
10	17.44	9	16.04	8	15.51	15	17.70
17	17.61	16	15.84	15	15.80	23	16.89
24	17.22	23	15.70	29	16.37	29	16.29
31	17.41	30	15.83	Oct. 6	16.41		

(D-36-22)27ddb 2. M. F. Lyman. Records available: 1942-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	51.21	51.10	50.78	.....	50.98	50.88	50.77	50.19	50.64	50.03
2	.....	.....	51.05	50.90	50.87	.....	50.84	50.90	50.77	50.74	50.66	50.34
3	.....	.....	50.12	50.84	50.83	51.08	50.86	50.83	50.70	50.78	50.80	50.46
4	.....	51.47	50.24	.....	50.58	.....	50.85	50.77	50.73	50.59	50.69	50.27
5	.....	51.35	50.18	.....	50.97	.....	50.85	50.80	50.75	50.52	50.54	50.54
6	.....	51.25	50.76	.....	50.87	.....	50.89	50.81	50.65	50.40	50.61	50.49
7	.....	51.15	.....	.....	50.85	50.85	50.82	50.84	50.66	50.70	50.60	50.32
8	.....	51.28	.....	.....	50.96	51.03	50.92	50.78	50.69	50.67	50.36	50.58
9	.....	51.25	.....	50.60	51.03	51.11	50.95	50.85	50.64	50.51	50.54	50.82
10	.....	51.07	50.87	51.05	51.12	51.07	50.91	50.82	50.59	50.65	50.75	50.81
11	.....	50.78	50.68	51.11	51.13	50.96	50.90	50.84	50.55	50.71	.....	50.62
12	.....	50.98	51.03	50.99	51.02	50.96	50.92	50.82	.....	50.73	.....	50.34
13	51.14	51.24	51.19	50.99	51.00	50.93	50.95	50.80	50.60	50.67	.....	50.38
14	50.97	51.30	50.97	50.78	50.95	50.92	50.85	50.77	50.62	50.61	.....	50.45
15	51.20	51.36	51.11	50.88	50.95	50.75	50.75	50.78	50.80	50.54	.....	50.66
16	51.33	51.31	51.27	50.94	51.02	.....	50.72	50.79	50.52	50.64	.....	50.74
17	51.33	51.25	51.15	50.98	50.96	50.85	50.79	50.83	50.59	.....	.....	50.70
18	51.25	51.37	51.07	50.94	50.88	50.83	50.82	50.88	50.68	50.64	50.23	50.71
19	51.40	51.29	51.10	51.13	50.97	50.84	50.90	50.77	50.63	50.66	.....	50.60
20	51.52	51.08	51.13	51.08	51.00	50.87	50.93	50.70	50.74	50.67	.....	50.70
21	51.48	51.00	51.19	51.07	51.01	50.87	.....	50.66	50.75	50.55	.....	50.72
22	51.27	51.07	51.07	50.96	50.99	50.81	.....	50.69	50.72	50.59	.....	50.67
23	51.00	51.07	51.09	50.83	50.90	50.83	.....	50.60	50.68	50.60	.....	50.66
24	50.58	.....	50.98	50.96	50.87	50.85	.....	50.65	50.66	50.67	.....	50.73
25	50.89	.....	50.64	50.97	50.90	51.06	.....	50.64	50.64	50.49	50.70	50.51
26	.....	.....	50.73	50.83	51.04	51.07	.....	50.67	50.60	50.53	50.69	50.44
27	51.39	.....	50.83	50.77	.....	51.03	.....	50.64	50.62	50.49	50.63	50.43
28	.....	51.12	51.17	50.57	.....	51.02	50.76	50.58	50.57	50.63	50.60	50.39
29	.....	.....	51.43	50.91	51.07	50.98	50.69	50.54	50.38	50.68	50.46	50.45
30	.....	.....	51.31	50.97	.....	51.00	50.64	50.58	50.32	50.52	.....	50.41
31	.....	.....	51.25	.....	.....	.....	50.71	50.65	.....	50.44	.....	49.93

(D-37-22)10ddc 1. State application 16124. U. S. Bureau of Land Management. Records available: 1946-50. Nov. 10, 85.14.

(D-40-22)29bcc 1. F. A. Nielson. Records available: 1942-43, 1946-50. Nov. 10, 7.73.

(D-42-19)7dda 2. Norman Nevills. Records available: 1947-50. Nov. 10, 8.34.

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. Records available: 1935-50. Mar. 30, 31.25; Dec. 10, 30.08.

(C-19-1)25cd 2. W. J. Wintch and R. P. Dyreng. Records available: 1935-50. Flowing prior to measurement. Dec. 10, +0.37.

(D-20-1)5bd. Federal Land Bank. Records available: 1939-50. Mar. 30, 23.83.

(D-20-1)20aaa 1. State claim 6356. Federal Land Bank. Records available: 1935-50. Mar. 30, 32.70; Dec. 10, 35.42.

(D-14-2)13aa. Ernest Hansen. Records available: 1935-50. Flowing prior to measurement. Mar. 30, +18.5; Dec. 11, 16.5.

(D-14-3)33bcc 1. State claim 3708. Joseph Cloward. Records available: 1935-50. Flowing prior to measurement. Mar. 30, +5.5.

(D-15-3)8cda 3. State claim 13671. William Prestwick. Records available: 1937-50. Flowing prior to measurement. Mar. 30, +3.16.

(D-15-3)28aba 1. State claim 2100. Isaac Reynolds. Records available: 1937-50. Mar. 30, +2.56.

(D-15-4)4dda 1. State claim 3606. Twin Creek Irrigation Co. Records available: 1935-50. Mar. 30, 23.10; Dec. 11, 23.16.

Sanpete County - Sanpete Valley

(D-15-4)6ada 1. State claims 3741 and 8279. W. H. Brinton. Records available: 1937-50. Mar. 30, 4.38; Dec. 11, 4.34.

(D-15-4)29bac 1. State claim 8276. Drought Relief Administration. Records available: 1935-50. Mar. 30, 5.51; Dec. 11, 6.11.

(D-16-3)4aaa 1. State claim 2252. J. F. Bagnall. Records available: 1935-50. Flowing prior to measurement. Mar. 30, +7.1; Dec. 11, +5.9.

(D-16-3)14dca 1. State claim 65. Chris Larsen. Records available: 1938-50. Mar. 30, 11.50; Dec. 1, 11.87.

(D-16-3)15aca 1. State claim 8492. Federal Land Bank. Records available: 1937-50. Mar. 30, 29.42; Dec. 11, 30.79.

(D-16-3)15adc 1. State application 12588. E. L. Davidson. Records available: 1938-50. Mar. 30, 53.19.

(D-16-3)32ddc 2. State claim 11676. George Beal. Records available: 1935-50.

Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	17.1	16.0	15.6	14.6	14.5	11.0	11.6	....	....	13.3	13.1
2	....	16.9	16.2	15.6	14.5	14.4	10.4	11.5	....	....	....	12.9
3	....	17.3	16.0	15.5	14.4	....	10.0	11.7	....	14.1	13.5	13.0
4	....	16.8	16.2	15.5	14.4	....	....	....	....	14.0	13.4	13.0
5	....	16.8	16.2	15.7	....	....	10.1	....	12.7	14.0	13.5	12.9
6	....	16.9	16.1	15.5	....	....	10.0	....	13.0	13.9	13.5	13.1
7	....	16.0	16.1	15.5	14.2	....	9.9	14.0	13.4	13.9	13.4	13.0
8	....	17.1	16.2	15.3	14.3	....	9.5	13.1	13.6	13.9	13.4	12.9
9	....	17.2	16.3	15.4	14.3	15.4	9.7	11.9	....	....	13.4	12.7
10	....	17.0	16.1	15.3	14.3	15.4	9.5	11.1	....	14.4	....	12.8
11	....	16.7	16.4	15.4	14.4	15.5	9.4	10.9	13.9	14.1	....	12.7
12	....	16.4	16.2	15.3	14.4	15.0	9.3	....	14.0	14.2	....	12.7
13	....	16.7	16.1	15.4	14.3	14.6	11.7	....	14.2	14.1	13.2	13.0
14	....	16.4	16.0	15.2	14.4	14.9	12.5	11.0	14.2	14.2	13.4	12.8
15	....	16.5	16.0	15.0	14.2	15.3	12.2	11.6	14.1	....	13.5	12.8
16	....	16.6	16.1	....	....	15.2	11.7	12.4	14.2	....	13.6	12.7
17	....	16.5	....	....	11.7	14.6	11.6	13.1	14.3	....	13.2	13.0
18	....	16.3	16.1	14.8	11.5	13.2	11.6	13.4	14.0	13.9	13.2	....
19	....	16.4	16.1	14.7	12.1	12.3	....	13.0	14.0	14.0	....	12.8
20	17.3	16.4	16.0	15.1	11.6	11.5	....	12.2	14.0	14.0	13.4	12.9
21	17.0	16.3	15.0	15.0	12.3	11.0	....	12.8	14.1	14.0	....	13.2
22	17.1	16.4	15.8	15.0	12.9	11.2	13.9	13.4	14.0	13.9	12.8	12.8
23	17.1	16.4	15.8	14.9	13.3	11.1	13.3	12.6	13.9	13.9	13.4	12.5
24	17.0	16.2	15.9	14.8	13.4	10.8	12.7	12.0	....	13.8	13.6	12.9
25	17.3	16.1	15.7	14.8	13.6	10.5	12.0	12.6	14.4	13.7	13.4	12.8
26	17.1	16.2	15.7	14.7	13.8	11.5	11.9	....	14.5	13.7	13.3	....
27	17.3	16.2	15.7	14.7	13.9	....	12.8	....	14.6	13.6	13.2	....
28	17.1	16.2	15.7	14.5	14.0	11.0	13.0	....	14.6	13.5	13.0	12.7
29	17.3	....	15.5	14.5	14.4	10.2	13.0	....	14.3	13.6	13.4	12.5
30	17.3	....	15.8	14.5	14.5	10.8	12.0	....	14.4	13.7	....	12.5
31	17.5	....	15.7	....	14.4	....	11.2	....	....	13.4	....	12.4

(D-16-3)33ccb 1. State claim 7333. Chris Olsen. Records available: 1935-50. Mar. 30, 2.43; Dec. 10, 4.46.

(D-17-2)1bca 2. State claim 11528. G. A. Anderson. Records available: 1938-50. Flowing prior to measurements. Mar. 30, +7.8; Dec. 10, +6.7.

(D-17-2)36cbd 1. G. B. Cox. Records available: 1935-50. Mar. 30, 0.64; Dec. 10, 1.38.

(D-17-3)6dba 1. State claim 11431. Niels Christensen. Records available: 1935-50. Flowing prior to measurement. Mar. 30, +4.9.

(D-17-3)9cbd 1. State claims 4446 and 8260. S. E. Christensen. Records available: 1935-50. Mar. 30, 32.87; Dec. 10, 35.59.

(D-17-3)17adb 1. State claim 8261. Drought Relief Administration. Records available: 1938-50. Mar. 30, 42.98; Dec. 10, 45.72.

(D-17-3)30dbd 1. State claim 2696. Ernest Monk. Records available: 1938-50. Flowing prior to measurement. Mar. 30, +11.0; Dec. 10, +9.6.

(D-18-2)1da. L. H. Hougaard. Records available: 1935-50. Mar. 30, 75.67; Dec. 10, 75.76.

(D-18-2)12bab 1. State claim 13390. City of Manti. Records available: 1935-50. Mar. 30, 78.95; Dec. 10, 77.59.

(D-19-2)17aad 1. State claim 13462. W. G. Frischknecht. Records available: 1935-50. Mar. 30, 6.32; Dec. 10, 6.29.

(D-19-2)32aac 1. State claim 11881. Mayfield Irrigation Co. Records available: 1935-49. No measurement made in 1950.

#### Sevier County - Central Sevier Valley

(For other wells in this valley see Garfield, Piute, and Sanpete Counties.)

(C-21-1)13bda 1. State claim 5817. Federal Land Bank. Records available: 1935-50. Flowing prior to measurements. Mar. 30, +4.77; Dec. 10, +5.43.

(C-21-1)27aad 1. State claim 8407. E. A. Thorsen. Records available: 1935-50. Mar. 30, 5.05; Dec. 10, 4.24.

(C-22-1)8bbd 1. Max Curtis. Records available: 1936-50. Mar. 30, 30.22.

(C-23-2)15bdd 3. State claim 1989. Sevier School District. Records available: 1936-50. Mar. 29, +7.2; Dec. 10, +6.8.

(C-23-2)15ccc 6. Martha Avery. Records available: 1937-50. Mar. 29, +6.1; Dec. 10, 5.3.

(C-23-2)15dcb 4. State claim 1969. F. M. Jackson. Records available: 1936-49. No measurement made in 1950.

(C-23-2)19dab 1. State claim 8447. William Hallows. Records available: 1935-50. Jan. 19, +22.8; Jan. 20, +22.4; Jan. 21, +22.6; Jan. 22, +22.6; Jan. 23, +22.8; Jan. 24, +22.6; Feb. 7, +25.6; Mar. 30, +24.2; Mar. 31, +24.4; Dec. 10, +23.4.

Daily noon water level, above land-surface datum, from recorder graph

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
1	24.3	23.9	24.6	25.9	26.1	25.4	25.3	25.1
2	24.4	23.9	24.7	25.9	26.3	25.4	25.0	24.8
3	24.3	23.9	24.6	25.9	26.4	25.7	25.1	25.0
4	24.2	23.9	24.8	26.0	26.4	25.4	25.3	25.1
5	24.3	23.8	24.9	25.9	26.3	25.4	25.7	24.9
6	24.4	23.7	25.0	25.9	26.4	25.6	25.2	24.5
7	24.4	23.9	24.9	25.9	26.2	25.5	25.6	24.5
8	24.2	23.8	24.9	25.8	26.3	25.4	25.3	24.7
9	24.4	23.7	25.0	25.9	26.4	25.3	25.0	24.5
10	24.1	23.8	25.1	25.8	26.3	25.2	25.0	24.0
11	24.0	23.8	25.2	25.8	26.2	25.4	25.3	....
12	24.1	23.8	25.2	25.8	26.1	25.5	25.1	....
13	24.2	23.8	25.2	25.9	26.2	25.4	25.4	....
14	24.2	23.9	25.2	26.1	26.3	25.4	....	....
15	23.9	23.9	25.2	26.1	26.3	25.4	25.3	....
16	24.0	23.8	25.4	25.9	25.5	25.3	25.0	....
17	24.1	23.9	25.4	25.9	....	25.2	25.0	....
18	23.9	23.9	25.6	26.0	....	25.0	25.7	....
19	23.9	24.0	25.5	25.9	....	25.1	25.1	....
20	23.9	23.9	25.4	25.9	25.9	25.1	25.8	24.3
21	24.0	24.2	25.5	26.0	25.8	25.1	25.7	24.6
22	24.0	24.1	25.6	25.8	25.7	25.1	25.7	25.0
23	24.2	24.0	25.6	26.0	25.8	25.0	25.7	24.5
24	24.1	24.1	25.7	25.9	25.9	25.3	25.9	24.9
25	23.9	24.1	25.7	26.0	25.8	25.1	25.2	24.8

(C-23-2)19dab 1--Continued.

Daily noon water level, above land-surface datum, from recorder graph

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
26	24.0	24.1	25.6	26.0	25.8	25.1	25.4	25.3
27	24.1	24.2	25.6	26.0	25.7	25.3	25.1	24.5
28	23.9	24.2	25.8	26.1	25.5	25.2	25.3	24.3
29	23.9	24.3	25.9	26.1	25.5	25.0	25.1	....
30	23.9	24.9	25.7	26.3	25.4	25.2	25.1	....
31		24.5		26.3	25.5		24.8	

(C-23-2)26cdb 1. State claim 323. N. C. Johnson. Records available: 1935-50. Mar. 29, +6.2; Dec. 10, +6.3.

(C-23-2)31dcb 2. State claim 3302. Pacific National Life Insurance Co. Records available: 1935-50. Flowing prior to measurements. Mar. 30, +8.0; Dec. 10, +7.3.

(C-25-3)3bbd 1. Luther Winget. Records available: 1936-50. Mar. 30, 10.46. Measurement discontinued.

(C-25-4)2db. R. W. Pinney. Records available: 1939-50. Mar. 30, 49.26; July 27, 48.15; Dec. 10, 48.44.

Sevier County - Grass Valley

(C-26-1)23ddb 1. State claim 12620. A. E. DeLange. Records available: 1936-50. Flowing prior to measurement. Mar. 29, +13.0; Dec. 9, +12.2.

(C-26-1)25acc 1. State claim 3159. A. R. Brown. Records available: 1935-50. Flowing prior to measurement. Mar. 29, +17.0; Dec. 9, +16.5.

(D-25-1)31cba 1. Charles Burr. Records available: 1936-50. Dec. 9, +2.17.

Summit County - Kimball Valley

(D-1-4)31dc. Owner unknown. Records available: 1941-47, 1949-50. Apr. 6, 5.4; Dec. 12, 7.5.

(D-1-5)4ca. Martin Larsen. Records available: 1949-50. Apr. 6, 11.37; Dec. 12, 12.63.

Summit County - Rhodes Valley

(D-1-6)19dad 1. State claim 3699. A. W. Frazier. Records available: 1938-50. Apr. 6, 13.50; Dec. 12, 14.84.

(D-2-6)5dbb. Burton Peterson. Records available: 1938-50. Apr. 6, 6.62; Dec. 12, 6.71.

(D-2-6)8aaa. State claim 12248. Ed Rockhill. Records available: 1938-49. No measurement made in 1950.

(D-2-6)20ccc. State claim 12231. A. H. Padfield. Records available: 1938-50. Apr. 6, 3.45; Dec. 12, 3.67.

(D-2-6)28ccc 1. Lillian McNeil. Records available: 1938-47, 1949-50. Apr. 6, 21.77; Dec. 12, 24.40.

Tooele County - Rush Valley

(C-5-5)2bcb 1. Alma Young. Records available: 1935-50. Mar. 21, 23.46; Dec. 6, 23.84.

(C-5-5)30bcb 1. State claim 8286. Willard Sager. Records available: 1938-50. Dec. 6, 13.85.

(C-5-5)31dbd 1. Owner unknown. Records available: 1941-50. Mar. 21, 20.63; Dec. 6, 20.73.

(C-5-5)32add 1. Stookey Bros. Records available: 1941-50. Mar. 21, 24.84; Dec. 6, 26.27.

(C-5-5)32adb 1. Stookey Bros. Records available: 1944-50. Mar. 21, 2.39. Measurement discontinued.

(C-8-5)20dc. W. Snyder. Records available: 1941-50. Mar. 24, 7.65; Dec. 5, 6.95.

(C-8-5)30ccc 1. State claim 1573. H. I. Yates. Records available: 1941-50. Mar. 21, 5.27.

(C-8-5)31aad 1. D. J. Fredrickson. Records available: 1941-50. Mar. 21, 18.83; Dec. 5, 18.84.

(C-8-6)23cd. Owner unknown. Records available: 1941-48, 1950. Mar. 21, +1.95; Dec. 6, +1.3.

(C-9-5)6bca 1. State claim 8285. Drought Relief Administration. Records available: 1936-50. Mar. 21, 17.01; Dec. 6, 17.02.

#### Tooele County - Tooele Valley

##### Burmester District

(C-2-4)16aad 2. State claim 14209. Utah Wool Pulling Co. Records available: 1940-50. Mar. 20, 6.29; Dec. 18, 5.63.

(C-2-4)17dad 1. E. J. Jeremy. Records available: 1935-50. Flowing prior to measurements. Mar. 20, +25.0; Dec. 11, 25.0.

(C-2-5)5acc 3. A. Searle. Records available: 1940-42, 1944-50. Apr. 7, 0.69; Dec. 11, 1.13.

(C-2-5)25aab 1. State of Utah. Records available: 1935-47, 1949-50. Flowing prior to measurements. Mar. 20, +12.1; Dec. 11, +11.7.

(C-2-5)27ccd 3. State claim 17008. Edwin Cassity. Records available: 1940-50. Apr. 7, +0.10; Dec. 11, 0.33.

(C-2-6)23cbb 1. State claim 16776. C. H. Worthington. Records available: 1941-48, 1950. Apr. 7, 0.75.

##### Erda District

(C-2-4)27ccb 1. State claim 902. V. J. Crocheron. Records available: 1940-42, 1944-45, 1948-50. Flowing prior to measurement. Mar. 21, +10.5.

(C-2-4)31dca 1. State claim 15160. State of Utah. Records available: 1937, 1939-49. No measurement made in 1950.

(C-2-4)33abb 2. State claim 806. L. T. Liddell. Records available: 1930, 1935-50.

Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	15.37	Mar. 27	16.67	June 12	12.06	Aug. 19	10.75
15	15.39	Apr. 3	16.79	19	11.67	Sept. 3	10.37
21	15.44	10	16.83	24	11.42	17	11.61
28	15.65	16	16.54	July 1	10.75	30	12.33
Feb. 5	15.63	22	15.63	8	10.75	Oct. 14	11.44
11	15.75	29	13.44	16	10.73	28	11.96
18	15.96	May 6	16.62	22	10.92	Nov. 11	13.92
27	16.19	15	18.00	29	11.81	25	14.71
Mar. 4	16.27	20	16.58	Aug. 5	11.87	Dec. 9	14.61
11	16.29	27	12.12	12	12.04	21	14.89
18	16.25	June 3	12.00				

(C-2-4)33abb 4. State claim 808. L. T. Liddell. Records available: 1935-41, 1943-50. Measurement discontinued after Aug. 19, 1950.

(C-2-4)33abb 4--Continued.

## Water level above land-surface datum

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	15.97	Mar. 11	16.81	May 6	15.06	July 2	12.08
15	16.19	18	16.93	15	16.04	8	12.08
21	16.27	27	17.27	20	14.91	15	11.85
28	16.27	Apr. 3	17.52	27	13.52	22	12.49
Feb. 5	16.43	10	17.47	June 3	13.35	29	12.81
11	16.56	16	17.35	12	13.16	Aug. 5	13.19
18	16.58	22	16.89	19	12.79	12	13.16
27	16.81	29	15.10	24	12.54	19	12.06
Mar. 4	16.77						

(C-2-4)33add 1. State claim 899. Ida L. Clegg. Records available: 1937-50.

## Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.35	31.18	30.80	30.33	31.14	32.06	32.82	32.75	33.51	33.14	33.20	32.05
2	31.36	31.23	30.73	30.28	31.15	32.07	32.84	32.73	33.51	33.22	33.17	32.10
3	31.41	31.16	30.76	30.35	31.13	32.20	32.85	32.69	33.51	33.23	33.19	32.01
4	31.37	31.11	30.75	30.37	31.12	32.18	32.89	32.68	33.52	33.17	33.13	32.03
5	.....	31.10	30.66	30.30	31.21	32.17	32.90	32.75	33.56	33.14	33.03	32.10
6	.....	31.05	30.69	30.27	31.17	32.11	32.94	32.77	33.57	33.21	32.97	32.04
7	.....	31.12	30.74	30.27	31.15	32.09	32.94	32.79	33.59	33.26	32.96	31.95
8	31.25	31.13	30.65	30.22	31.24	32.23	32.97	32.84	33.60	33.20	32.91	32.01
9	31.34	31.10	30.65	30.16	31.25	32.22	32.99	32.83	33.58	33.21	32.69	32.09
10	31.35	31.02	30.61	30.36	31.22	32.18	32.99	32.81	33.40	33.26	.....	32.03
11	31.32	31.01	30.61	30.43	30.98	32.21	32.99	32.82	33.39	33.27	.....	31.97
12	.....	31.10	30.72	30.41	.....	32.20	33.01	32.80	33.31	33.29	32.61	31.95
13	.....	31.09	30.71	30.32	.....	32.19	32.94	32.80	33.30	33.27	32.52	31.93
14	31.20	31.07	30.61	30.36	30.81	32.17	32.95	32.80	33.28	33.23	32.41	31.93
15	31.30	31.07	30.64	30.42	30.84	32.23	32.99	32.95	33.29	33.27	32.54	31.93
16	31.26	31.02	30.65	30.41	30.86	32.31	33.04	32.89	33.28	33.22	32.45	31.97
17	31.24	31.04	30.57	30.35	30.85	32.34	33.04	32.95	33.28	33.23	32.40	31.97
18	31.24	30.98	30.60	30.41	30.87	32.39	33.07	33.09	33.28	33.20	32.31	31.95
19	31.27	30.92	30.51	30.41	30.91	32.40	32.98	33.17	33.30	33.20	32.26	31.90
20	31.29	30.85	30.59	30.40	31.24	32.43	33.05	33.20	33.27	33.13	32.28	31.93
21	31.26	30.88	30.56	30.48	31.35	32.46	33.00	33.22	33.28	33.12	32.28	31.92
22	31.21	30.86	30.40	30.50	31.37	32.55	32.99	33.25	33.24	33.12	32.25	31.90
23	31.10	30.81	30.53	30.56	31.41	32.55	32.98	33.30	33.20	33.12	32.22	31.91
24	31.11	30.82	30.42	30.69	31.45	32.55	33.00	33.34	33.19	33.12	32.22	31.86
25	31.21	30.84	30.36	30.64	31.51	32.72	32.97	33.37	33.18	33.10	32.21	31.81
26	31.27	30.79	30.45	30.89	31.71	32.71	33.03	33.40	33.22	33.12	32.18	31.80
27	31.18	30.75	30.46	31.02	31.79	32.73	33.03	33.39	33.27	33.13	32.15	31.81
28	31.08	30.82	30.51	31.11	31.85	32.76	32.95	33.43	33.20	33.13	32.17	31.79
29	31.15		30.50	31.29	31.94	32.78	32.95	33.43	33.12	33.14	32.12	31.81
30	31.13		30.40	31.37	32.01	32.80	32.94	33.45	33.18	33.11	32.05	31.71
31	31.17		30.38		32.07		32.88	33.48		33.17		31.69

(C-2-4)33ccb 2. State claim 16796. Franklin Whitehouse. Records available: 1941-42, 1944-48. No measurement made in 1950.

## Grantsville District

(C-2-5)19dec 1. G. L. Sutton. Records available: 1937-50. Flowing prior to measurements. Apr. 7, +4.85; Dec. 11, +3.97.

(C-2-5)31bhd 3. State claim 17112. Tony Castagno. Records available: 1937-50. Apr. 7, +17.9; Dec. 11, +17.2.

(C-2-6)36bac 1. State application 12189. J. R. Clark, Jr. Records available: 1940-50. Apr. 7, 19.53; Dec. 11, +20.07.

(C-2-6)36cdd 1. E. C. Walk. Records available: 1936, 1940-50.



(C-2-6)36cdd 1--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	77.73	.....	.....	77.17	.....	75.61	76.40	.....	77.67	77.99	77.84
2	77.69	77.73	.....	.....	77.17	.....	75.62	76.43	.....	77.71	78.01	77.87
3	.....	77.72	.....	.....	77.15	.....	75.59	76.45	.....	77.72	78.00	77.82
4	.....	77.70	.....	.....	77.15	.....	75.59	76.47	.....	77.72	77.99	77.81
5	.....	77.69	.....	.....	77.14	75.85	75.60	76.52	.....	77.68	.....	77.84
6	.....	77.67	.....	.....	77.13	75.73	75.62	76.57	.....	77.77	78.00	77.75
7	.....	77.71	.....	77.56	77.10	75.86	75.63	76.60	.....	77.79	78.00	77.72
8	.....	77.70	.....	77.57	77.13	75.79	75.64	76.63	.....	77.77	78.02	77.70
9	77.52	77.69	.....	77.56	77.10	75.73	75.67	76.67	.....	77.79	78.05	77.69
10	77.48	77.67	.....	77.65	77.08	75.70	75.70	76.68	.....	77.81	78.03	77.62
11	.....	77.67	.....	77.64	77.06	75.69	75.73	76.72	.....	77.81	78.01	77.54
12	.....	.....	.....	77.61	77.04	75.72	75.76	76.74	.....	77.82	78.02	.....
13	.....	.....	.....	77.54	.....	75.69	75.76	76.76	.....	77.81	78.01	.....
14	77.35	.....	.....	77.57	77.01	75.69	75.74	76.78	.....	77.80	78.03	.....
15	77.40	.....	.....	77.56	77.00	75.67	75.80	.....	.....	77.82	78.11	.....
16	77.39	.....	.....	77.52	77.00	75.67	75.85	76.86	.....	77.78	78.08	.....
17	77.40	.....	.....	77.54	76.94	75.66	.....	76.87	.....	77.80	78.11	.....
18	77.39	.....	.....	77.51	76.98	75.65	75.90	76.87	77.53	77.83	78.03	77.68
19	77.42	.....	.....	77.47	76.94	75.65	75.93	76.93	77.54	77.81	78.05	77.73
20	77.46	.....	.....	77.45	76.92	75.61	75.98	76.96	77.58	77.82	77.99	77.77
21	77.49	.....	.....	77.42	76.88	75.62	75.98	.....	77.57	77.83	77.97	77.78
22	77.50	.....	77.61	77.42	76.86	75.59	76.00	.....	77.57	77.85	77.93	77.81
23	77.47	.....	77.67	77.43	76.79	75.66	76.03	.....	77.58	77.87	77.90	77.83
24	77.52	.....	77.66	77.36	76.75	75.68	76.07	.....	77.58	77.88	77.88	77.83
25	77.62	.....	77.61	77.35	76.71	.....	76.11	77.10	77.61	77.87	77.86	77.83
26	77.64	.....	77.60	77.30	76.59	75.65	76.15	77.13	77.63	.....	77.84	.....
27	77.65	.....	77.61	.....	76.44	75.65	76.19	77.15	77.65	.....	77.85	77.87
28	77.65	.....	77.56	.....	.....	75.64	76.23	.....	77.62	.....	77.85	77.86
29	77.68	.....	.....	77.26	.....	75.64	76.28	.....	77.61	.....	77.85	77.89
30	77.69	.....	.....	77.23	.....	75.62	76.31	.....	77.66	77.94	77.81	77.85
31	77.70	.....	.....	.....	.....	.....	76.34	.....	.....	77.99	.....	77.88

(C-3-5)5bbb 1. State claim 15330. R. W. Brown. Records available: 1942-50. Flowing prior to measurements. Apr. 7, +0.72; Dec. 11, 0.63.

(C-3-5)6dda 1. State claim 9952. Federal Land Bank. Records available: 1940-50. Apr. 7, 51.53; Dec. 11, 52.47.

## Lake Point District

(C-2-4)1bcc 1. Jesse Long. Records available: 1940-50. Apr. 4, 33.40; Dec. 18, 33.99.

(C-2-4)2aba 1. State application 11962. B. N. Griffith. Records available: 1936-50. Apr. 7, +5.7; Dec. 18, +6.2.

(C-2-4)3dcc 1. Nick Soter. Records available: 1941-47, 1949-50. Apr. 7, 3.42; Dec. 18, 3.64.

## Marshall District

(C-2-5)34add 1. State application 13537. B. H. Woodward. Records available: 1941-50. Flowing prior to measurements. Apr. 7, 11.4; Dec. 18, 11.4.

(C-2-5)36caa 1. State claim 13692. J. A. and S. W. Smith. Records available: 1937-50. Mar. 21, 30.35; Dec. 18, 31.55.

## Uintah County - Uinta Basin

(For other wells in this basin see Duchesne County.)

U(B-1-1)2caa 2. Ralph Redfoot. Records available: 1936-50. Nov. 7, 27.87.

U(D-1-1)14bbc 1. State claim 1868. George Hackford. Records available: 1935-50. Nov. 7, 22.14.

U(D-1-1)23abb 1. Albert Daniels. Records available: 1935-46, 1949-50. Nov. 7, 14.63.

(D-3-21)17cda 1. State claim 6641. M. M. Bingham. Records available: 1935-49. No measurement made in 1950.

(D-4-21)2bcd 1. Gibson Ranch Co. Records available: 1939-50. Apr. 4, 7.62; May 4, 7.84; June 1, 7.76; July 28, 4.58; Sept. 7, 4.67; Nov. 8, 7.82; Dec. 4, 8.46.

(D-4-21)8cdc 1. Delbert Horrocks. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	5.72	Apr. 4	10.13	July 5	3.00	Nov. 8	3.02
Feb. 4	8.42	May 4	11.51	28	2.82	Dec. 4	4.46
Mar. 2	9.54	June 2	6.38	Sept. 7	4.53		

(D-4-21)9becb 1. State application 16824. Lena McCarty. Records available: 1948-50.

Jan. 5	10.09	Apr. 4	9.84	July 28	5.34	Nov. 8	9.44
Feb. 4	9.84	May 4	7.42	Sept. 7	8.61	Dec. 4	10.48
Mar. 2	9.51	June 2	3.51				

(D-4-21)12acc 1. Lonzo McCarl. Records available: 1939-50.

Jan. 5	11.78	May 4	13.48	July 28	4.23	Nov. 8	7.60
Feb. 4	12.82	June 1	5.58	Sept. 7	5.38	Dec. 4	10.54
Mar. 2	13.17	July 6	1.43				

(D-4-21)12bcc 3. George Sweet. Records available: 1948-50.

Jan. 5	3.60	Apr. 4	2.55	July 6	2.93	Nov. 8	3.86
Feb. 4	3.62	May 4	3.07	28	3.90	Dec. 4	3.66
Mar. 2	2.25	June 1	2.98	Sept. 7	3.31		

(D-4-21)13cdd 1. Latter Day Saints Elders Farm. Records available: 1948-50.

Jan. 5	7.82	Apr. 4	7.23	July 6	4.10	Nov. 8	7.41
Feb. 7	9.09	May 4	7.83	28	3.65	Dec. 4	7.99
Mar. 2	8.09	June 1	4.42	Sept. 7	3.66		

(D-4-21)15bbb 1. Dorr Finican. Records available: 1948-50.

Jan. 5	4.52	Apr. 4	4.20	July 6	4.24	Nov. 8	7.82
Feb. 4	4.63	May 4	4.24	28	4.22	Dec. 4	8.24
Mar. 2	4.27	June 2	3.68	Sept. 7	7.54		

(D-4-21)15daa 1. Arvel Allred. Records available: 1948-50.

Jan. 5	7.22	Apr. 4	7.31	July 5	5.72	Nov. 8	7.54
Feb. 4	7.32	May 4	7.01	28	5.75	Dec. 4	7.99
Mar. 2	6.62	June 1	6.00	Sept. 7	7.75		

(D-4-21)16bba 1. Wm. Schaefermeyer. Records available: 1948-50.

Jan. 5	18.75	Apr. 4	18.60	July 6	8.62	Sept. 7	15.74
Feb. 4	19.17	May 4	18.20	28	11.07	Nov. 8	18.14
Mar. 2	19.50	June 2	12.49				

(D-4-21)21dcd 1. Clifford Howe. Records available: 1948-50.

Jan. 5	8.46	Apr. 4	9.03	July 7	4.25	Nov. 8	6.36
Feb. 4	8.88	May 4	9.15	28	5.86	Dec. 4	6.80
Mar. 2	8.99	June 2	7.58	Sept. 7	7.68		

(D-4-21)22aba 1. State application 17965. Joseph K. Carroll. Records available: 1948-50. Jan. 5, 4.67; Feb. 4, 5.32; Mar. 2, 4.42; Apr. 4, 4.12; May 4, 4.05; June 1, 4.02; July 5, 4.05.

(D-4-21)22ddb 1. State claim 9906. A. T. Johnson. Records available: 1948-50.

Jan. 5	8.70	June 2	5.22	July 28	7.54	Nov. 8	9.15
Feb. 4	9.02	July 7	5.79	Sept. 7	8.96	Dec. 4	8.52
Apr. 4	7.83						

(D-4-21)23dbb 2. State application 16752. Ella Preas. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	9.84	Apr. 4	8.92	July 6	7.84	Sept. 6	8.75
Feb. 4	9.85	May 4	8.59	28	7.85	Nov. 8	9.77
Mar. 2	8.97	June 1	8.28				

(D-4-21)24aad 1. State claim. H. R. Hazelbush. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 2	13.68	June 1	5.28	July 28	8.30	Nov. 8	9.86
Apr. 4	11.51	July 6	8.33	Sept. 7	11.38	Dec. 4	11.50
May 4	6.86						

(D-4-21)24ddd 1. State application 18382. Merrill Goodrich. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	2.45	Apr. 4	2.87	July 6	3.75	Nov. 8	3.67
Feb. 4	2.44	May 4	1.88	28	3.98	Dec. 4	3.11
Mar. 2	1.32	June 1	3.99	Sept. 6	5.46		

(D-4-21)25bba 1. Aubra Hodgkinson. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7	3.34	May 4	3.27	July 28	3.47	Nov. 8	3.10
Mar. 2	2.13	June 1	2.20	Sept. 6	4.29	Dec. 4	3.43
Apr. 4	3.10	July 6	2.85				

(D-4-21)25daa 1. Glen S. Knight. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	4.52	Apr. 4	4.59	July 6	1.98	Nov. 8	2.84
Feb. 4	5.20	May 4	3.67	28	1.80	Dec. 4	3.55
Mar. 2	4.52	June 1	1.94	Sept. 6	3.32		

(D-4-21)27aba 1. State application 16799. E. J. Westwood. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	5.44	Apr. 4	5.28	July 7	4.04	Nov. 8	5.42
Feb. 4	5.80	May 4	5.59	28	3.64	Dec. 4	5.05
Mar. 2	5.27	June 2	4.17	Sept. 7	4.28		

(D-4-21)27daa 1. John Watkins. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	8.51	Apr. 4	8.03	July 6	4.65	Nov. 8	7.02
Feb. 4	8.87	May 4	7.10	28	5.18	Dec. 4	7.62
Mar. 2	8.72	June 1	4.82	Sept. 6	7.88		

(D-4-21)34ddd 1. State application 17775. Owen Nelson. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	11.91	Apr. 4	9.65	July 6	11.12	Nov. 8	13.28
Feb. 4	12.59	May 4	9.53	28	10.78	Dec. 4	12.78
Mar. 2	12.48	June 1	9.06	Sept. 6	13.43		

(D-4-21)36aab 1. State application 18168. Don B. Weeks. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	1.57	Apr. 4	1.08	July 6	2.20	Nov. 8	4.21
Feb. 4	1.77	May 4	.86	28	3.04	Dec. 4	4.15
Mar. 2	.86	June 1	1.19	Sept. 6	4.72		

(D-4-22)31bcc 1. Mabel Merrill. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	5.09	Apr. 4	4.49	July 6	3.50	Nov. 8	4.28
Feb. 4	5.34	May 4	4.57	28	3.01	Dec. 4	5.01
Mar. 2	4.56	June 1	2.10	Sept. 6	3.96		

(D-4-22)32dcd 1. Standard Oil of California. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	2.72	May 4	2.28	July 28	2.32	Nov. 8	2.95
Mar. 2	2.84	June 1	2.67	Sept. 6	2.21	Dec. 4	2.04
Apr. 4	2.91	July 6	2.56				

(D-5-21)2dcb 1. State application 18686. George C. Davis. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	12.61	Apr. 4	11.00	July 28	9.50	Nov. 8	13.02
Feb. 4	12.75	May 4	8.53	Sept. 6	11.68	Dec. 4	12.85
Mar. 2	12.72	July 6	8.04				

(D-5-22)5cbc 1. C. H. Gomm. Records available: 1948-50. Jan. 5, 26.45; Feb. 4, 25.82; Mar. 2, 25.94.

(D-5-22)6abb 1. Owner unknown. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	2.08	Apr. 4	1.32	July 6	0.61	Nov. 8	1.00
Feb. 4	2.29	May 4	.64	28	.64	Dec. 4	1.48
Mar. 2	1.47	June 1	.67	Sept. 6	1.43		

(D-5-22)6bab 1. Merrill Goodrich. Records available: 1948-50. Measurement discontinued after Sept. 6. Mar. 2, 5.17; Apr. 4, 3.58; May 4, 3.52; June 1, .82; July 6, 1.80; Sept. 6, 3.99.

(D-5-22)6bab 2. Merrill Goodrich. Records available: 1949-50.

Jan. 5	10.06	Apr. 4	9.62	July 6	7.33	Nov. 8	8.96
Feb. 4	9.29	May 4	9.37	27	7.18	Dec. 4	9.30
Mar. 2	10.13	June 1	6.16	Sept. 6	9.23		

(D-5-22)7bdc 1. State application 16709. Elijah Jackson. Records available: 1948-50.

Jan. 4	9.44	June 1	2.13	July 28	7.70	Nov. 8	10.73
Apr. 4	7.52	July 6	6.01	Sept. 6	7.65	Dec. 4	10.89
May 4	7.45						

#### Utah County - Cedar Valley

(C-6-2)29cac 1. Marsh Williams. Records available: 1943-50. Flowing prior to measurement. Mar. 21, +4.02.

#### Utah County - Goshen Valley

(C-10-1)2aad 1. State claim 5206. Albert Morgan. Records available: 1938-50. Apr. 1, 12.70; Dec. 4, 12.89.

(D-9-1)29cdc 1. John Fellman. Records available: 1938-50. Apr. 1, 27.04; Dec. 4, 24.90.

#### Utah County - Utah Lake Valley

##### North Utah Basin

(C-5-1)2daa 3. State claims 10922, 10923, and 10924. O. J. Roberts. Records available: 1940-50. Mar. 22, 8.47; Dec. 5, 5.79.

(D-5-1)8aaa 1. State claim 11095. Lehi Irrigation Co. Records available: 1940-50. Mar. 22, 25.67; Dec. 19, 27.10.

(D-5-1)9ccc 3. State claim 16332. E. N. Webb. Records available: 1935-50. Mar. 22, +11.8; Dec. 19, +9.7.

(D-5-1)9dbb 1. State claim 11083. City of Lehi. Records available: 1936-50. Mar. 22, 11.47; Dec. 19, 11.19.

(D-5-1)14adb 1. State claim 8371. Drought Relief Administration. Records available: 1937-50.

#### Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	51.10	.....	50.99	50.88	50.24	53.53	.....	51.94	53.25	52.90	53.58	53.49
2	50.89	.....	50.84	50.75	52.13	53.83	.....	52.11	53.29	53.25	53.60	53.85
3	51.12	51.36	50.94	50.91	52.07	53.73	.....	51.90	53.32	53.25	53.71	53.80
4	51.18	51.22	50.98	51.09	52.20	53.46	.....	51.90	53.21	53.08	53.55	.....
5	51.46	51.14	.....	50.95	52.56	53.32	.....	51.83	53.26	52.96	53.38	54.02
6	51.56	51.04	50.71	50.76	52.42	53.11	.....	52.08	53.30	53.19	53.45	53.89
7	.....	51.14	50.92	50.80	52.33	53.00	.....	52.14	53.43	53.31	53.52	53.61
8	51.06	51.23	50.79	50.75	52.31	52.99	.....	52.30	53.34	53.27	53.32	53.82
9	51.03	51.12	50.75	50.66	52.43	52.88	.....	52.40	53.21	53.08	53.71	54.04
10	51.34	.....	50.71	51.15	52.45	.....	.....	52.39	53.15	53.32	53.76	53.94

(D-5-1)14adb 1--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	51.15	50.75	50.66	51.23	52.30	.....	.....	52.41	52.99	53.42	53.50	53.75
12	51.14	51.10	50.92	51.11	52.27	.....	51.19	52.47	53.03	53.33	53.38	53.69
13	51.32	51.18	51.08	51.00	52.28	.....	51.13	52.52	53.02	53.30	53.39	53.63
14	51.08	51.15	50.90	51.04	52.28	.....	51.24	52.52	52.92	53.12	53.29	53.64
15	.....	51.12	50.96	51.18	52.35	.....	51.32	52.60	52.86	53.08	.....	53.76
16	51.44	50.97	51.10	.....	52.59	.....	51.41	52.75	52.83	53.15	53.74	53.91
17	51.43	51.00	50.92	.....	52.56	.....	51.50	52.81	52.84	53.19	53.68	53.84
18	51.40	51.07	51.02	51.37	52.67	.....	51.57	52.70	52.94	53.35	53.44	53.80
19	51.53	50.93	50.92	51.50	52.97	.....	51.62	52.73	53.03	53.46	53.42	53.66
20	51.64	50.82	50.08	51.47	53.05	.....	.....	52.75	53.17	53.32	53.82	53.82
21	51.52	50.91	50.08	51.36	53.11	52.69	.....	52.79	53.31	53.30	53.80	53.74
22	51.42	50.91	50.81	51.34	53.09	52.70	.....	52.75	53.28	53.33	53.84	53.71
23	51.12	50.81	50.99	51.44	53.07	52.55	.....	52.75	53.25	53.34	53.80	53.78
24	50.96	50.93	50.72	51.82	53.19	52.89	.....	.....	53.27	53.33	53.85	53.71
25	51.28	50.99	50.50	51.78	.....	52.81	.....	.....	53.14	53.26	53.84	53.50
26	51.64	50.91	50.75	.....	.....	52.85	51.79	53.15	53.05	53.30	53.79	53.50
27	51.44	50.74	50.87	51.88	.....	52.84	51.84	53.16	53.20	53.36	53.74	53.57
28	51.07	51.92	51.08	51.91	.....	52.87	51.75	53.12	53.06	53.46	53.84	53.55
29	51.22	.....	51.20	52.16	.....	.....	51.67	53.26	52.71	53.47	53.72	53.58
30	51.19	.....	51.01	52.28	.....	.....	51.72	53.28	53.03	53.35	53.55	53.35
31	.....	.....	50.93	.....	53.52	.....	51.84	53.24	.....	53.42	.....	53.24

(D-5-1)15bca 1. State claim 5061. Eugene Briggs. Records available: 1935-47, 1949-50. Mar. 22, 39.7; Dec. 5, +36.9.

(D-5-1)17adc 12. State claim 11174. H. C. Comer. Records available: 1936-50. Mar. 22, +39.9; Dec. 5, +36.2.

(D-5-1)17add 5. State claim 3628. M. S. Lott. Records available: 1935-50. Mar. 22, +27.9; Dec. 19, +26.7.

(D-5-1)20aba 1. State claim 6860. Jacob Cox. Records available: 1935-36, 1938-50. Mar. 22, +54.3; Dec. 5, +55.2.

(D-5-1)20aba 2. State claim 6861. Jacob C. Cox. Records available: 1935-50.

Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.6	32.8	33.8	35.3	30.8	21.0	14.8	....	16.2	21.6	27.0	29.9
2	32.8	32.8	33.9	35.2	30.7	22.1	15.4	....	16.8	22.1	27.0	30.0
3	33.0	33.2	34.0	35.2	30.7	21.8	15.1	....	16.9	22.4	27.2	30.0
4	33.0	33.1	33.9	35.2	30.9	21.1	15.1	....	16.9	22.5	27.4	30.0
5	32.6	32.9	34.3	35.2	31.2	20.4	15.7	17.2	17.0	22.5	27.5	30.2
6	32.4	....	34.5	35.2	30.9	19.9	16.4	18.1	17.0	23.0	27.5	30.6
7	32.3	33.8	34.7	35.2	31.4	19.8	16.0	17.7	16.9	23.6	27.5	30.7
8	32.1	33.8	34.7	35.1	32.2	19.6	17.6	17.4	17.0	23.7	27.7	30.8
9	32.3	33.9	35.1	35.1	32.8	20.1	18.4	17.1	17.6	24.0	27.6	30.9
10	32.4	33.9	35.1	35.2	33.1	20.5	19.5	16.5	19.1	24.1	27.9	31.2
11	32.2	33.9	35.1	35.1	33.3	20.1	20.9	16.6	20.1	23.7	27.6	31.5
12	32.2	33.9	34.8	34.5	33.3	20.1	20.4	16.0	20.0	24.1	27.7	31.8
13	32.2	33.8	34.7	34.2	33.2	19.5	19.1	15.6	19.9	24.0	28.0	31.7
14	32.6	33.3	34.7	34.1	32.3	18.6	18.5	15.4	20.1	23.6	28.5	31.6
15	32.7	33.2	34.6	34.3	31.4	17.2	17.2	15.1	19.9	24.2	28.5	32.0
16	32.7	33.2	34.4	34.2	30.9	15.9	17.0	15.5	20.2	24.5	28.5	33.6
17	32.8	33.4	34.4	34.2	30.9	15.6	17.2	15.6	20.2	24.6	28.5	33.5
18	32.8	33.3	34.6	34.1	30.6	15.8	17.1	15.6	20.1	24.0	28.5	33.5
19	32.7	33.3	34.8	34.0	30.7	15.7	16.7	15.3	19.4	24.0	....	33.3
20	32.9	33.4	34.7	33.2	28.7	15.6	17.2	15.3	18.7	24.3	....	33.7
21	33.0	33.7	35.0	33.2	26.2	15.5	17.6	15.4	18.9	24.5	....	33.7
22	32.9	33.8	35.2	32.9	25.6	15.7	16.6	15.4	19.1	24.5	....	33.8
23	33.1	33.9	35.2	32.1	24.9	15.9	16.5	15.2	18.9	26.1	....	33.8
24	33.2	34.0	35.3	31.7	....	15.6	16.6	15.0	20.1	26.0	....	33.5
25	33.3	33.9	35.3	31.2	....	15.8	16.5	15.2	21.2	26.2	....	33.7

(D-5-1)20aba 2--Continued.

Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	33.4	33.6	35.2	30.7	....	15.7	15.6	15.0	21.0	26.5	....	34.2
27	33.4	33.7	35.2	30.7	22.6	15.6	15.8	14.7	21.1	26.4	29.1	34.0
28	33.3	33.8	35.2	30.7	22.5	15.4	....	14.6	21.0	26.4	29.5	34.0
29	33.3		35.2	30.7	22.1	14.6	....	14.8	21.1	26.4	29.5	34.3
30	33.2		35.2	30.8	21.2	15.1	....	15.2	21.1	26.5	29.6	34.2
31	33.2		35.3		21.2			15.7		26.6		34.2

(D-5-1)23dab 3. State claim 17054. City of American Fork. Records available: 1940-50. Flowing prior to measurements. Mar. 22, +25.2; Dec. 19, +23.9.

(D-5-2)18dcd 2. C. Christensen. Records available: 1940-50. Flowing prior to measurements. Mar. 22, +6.44; Dec. 19, +4.27.

(D-5-2)29dba 4. State claim 13150. Mark Richins. Records available: 1935-50. Flowing prior to measurements. Mar. 22, +17.5; Dec. 19, +17.7.

(D-6-2)3bdd 1. State claim 1651. Pioneer Pumping Co. Records available: 1937-48. No measurement made in 1950.

(D-6-2)10add 1. State claim 3123. City of Orem. Records available: 1940-50. Mar. 22, 42.61; Dec. 19, 39.75.

(D-6-2)16cbc 1. Frank Burningham. Records available: 1938-44, 1946-50. Flowing prior to measurements. Mar. 22, +2.3; Dec. 19, +4.1.

(D-6-2)18add 2. State application 11747. J. L. Larson. Records available: 1938-50. Mar. 22, +21.2; Dec. 19, +21.2.

(D-6-2)24dbd 1. Isaac Boyce. Records available: 1938-50. Mar. 22, 122.61.

(D-6-2)28bad 1. State claim 2087. Henry Williamson. Records available: 1935-50. Mar. 22, +14.6; Dec. 19, +14.9.

(D-7-2)12bcb 1. State claim 105. Provo City Corp. Records available: 1935-48, 1950. Mar. 22, +28.1; Dec. 19, +28.1.

## South Utah Basin

(D-7-2)35ccd 1. Angus Hales. Records available: 1937-50. Flowing prior to measurements. Mar. 22, +7.3; Dec. 19, +7.1.

(D-7-2)36dcc 2. H. H. Spatford. Records available: 1938-50. Flowing prior to measurements. Mar. 23, +17.1; Dec. 19, +16.7.

(D-7-3)32bcc 1. State claim 8345. Drought Relief Administration. Records available: 1937-50. Mar. 22, +54.3; Dec. 19, +54.9.

(D-7-3)33baa 6. State claim 7006. A. W. Finley. Records available: 1936-50. Flowing prior to measurements. Mar. 22, +9.9; Dec. 19, +11.3.

(D-8-1)13aaa 1. State claim 14076. R. G. Francis. Records available: 1936-50. Flowing prior to measurements. Mar. 22, +14.9; Dec. 19, +15.3.

(D-8-1)25ccb 1. State claim 11790. F. S. Hiatt. Records available: 1938-50. Flowing prior to measurements. Mar. 23, +17.1; Dec. 19, +17.4.

(D-8-2)4cba 2. State claim 10844. Mary Barney. Records available: 1937-50. Flowing prior to measurements. Mar. 23, +36.8; Dec. 19, +35.8.

(D-8-2)7ddd 1. State claim 10762. A. H. Beers. Records available: 1938-50. Flowing prior to measurements. Mar. 22, +21.1; Dec. 19, +19.6.

(D-8-2)29add 1. State application 11860. Reed Reynolds. Records available: 1940-50. Flowing prior to measurements. Mar. 23, +12.2; Dec. 19, +13.2.

(D-8-3)4cad 1. State application 11830. Springville Canning Co. Records available: 1935-50. Flowing prior to measurements. Mar. 22, +24.4; Dec. 19, +26.1.

(D-9-1)1cbc 2. State claim 8344. Drought Relief Administration. Records available: 1940-50. Mar. 22, 1.76; Dec. 19, 1.69.

(D-9-2)25add 1. State claim 8524. Federal Land Bank. Records available: 1938-42, 1946-50. Mar. 23, +4.8; Dec. 19, +4.1.

(D-9-2)5ddc 2. State claim 1139. Payson City Corp. Records available: 1935-50. Mar. 22, +14.9; Dec. 19, +15.9.

(D-9-2)11aaa 1. State claim 3364. Salt Lake & Utah Railroad Corp. Records available: 1935-50. Mar. 22, +42.8; Dec. 19, +44.5.

(D-9-2)18bcd 1. State claim 8357. Drought Relief Administration. Records available: 1940-50. Mar. 22, 6.37; Dec. 19, 5.81.

### Wasatch County - Heber Valley

(D-2-5)20cc. Lee Bros. Records available: 1936-50. Measurements by Provo River Water Commissioner except on Apr. 6 and Dec. 12.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	28.52	Apr. 6	23.86	July 5	28.80	Oct. 30	26.40
Mar. 2	25.68	May 5	25.44	Aug. 11	26.68	Dec. 12	25.98
Apr. 3	24.12	June 4	25.84	Sept. 12	25.88		

(D-2-5)31ada 1. State claim 11234. Harry Morris. Records available: 1936-50. Measurements by Provo River Water Commissioner except Apr. 6 and Dec. 12.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	5.20	Apr. 6	5.00	July 5	1.80	Nov. 30	9.90
Mar. 2	4.30	May 5	9.14	Aug. 11	9.20	Dec. 12	8.29
Apr. 3	5.00	June 4	5.00	Sept. 12	9.23		

(D-3-4)35bbc 1. State claims 8379 and 11260. Drought Relief Administration. Records available: 1938-50. Apr. 6, 2.51; Dec. 12, 2.07.

(D-3-5)29cac 1. Miles Clyde. Records available: 1936-50. Apr. 8, 10.28; Dec. 12, 7.22.

(D-4-4)12aaa 1. Hartley Carlisle. Records available: 1940-50.

### Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	42.70	45.67	48.09	47.69	42.38	33.18	15.32	13.08	17.66	22.00	24.87	32.57
2	42.85	45.74	48.08	47.85	41.43	32.25	15.30	13.57	17.77	22.38	25.07	32.83
3	43.00	45.83	48.03	48.00	41.52	31.42	15.00	14.05	17.78	22.71	25.37	33.05
4	43.14	45.93	47.95	48.16	42.09	30.36	14.75	14.36	17.45	23.00	25.66	33.19
5	43.31	46.03	47.86	48.31	42.49	28.60	14.37	14.23	17.55	23.20	25.82	33.33
6	43.45	46.11	47.75	48.42	42.90	26.40	13.93	14.35	17.87	23.37	25.97	33.50
7	43.58	46.03	47.43	48.55	43.28	24.53	.....	14.43	18.32	23.56	26.27	33.67
8	43.71	45.98	47.18	48.68	43.54	24.32	.....	14.42	18.75	23.69	26.58	33.88
9	43.84	45.99	47.15	48.77	43.77	24.33	.....	14.20	19.05	23.87	26.95	34.09
10	43.95	46.07	47.11	48.88	43.85	24.12	.....	14.43	19.30	23.18	27.30	34.28
11	44.01	46.12	47.05	49.00	43.70	24.18	.....	14.51	19.28	22.76	27.62	34.46
12	44.09	46.21	47.00	49.12	43.78	23.95	12.18	14.65	19.20	23.33	27.82	34.63
13	44.19	46.32	47.01	49.23	44.16	22.70	11.80	14.37	19.42	23.26	28.03	34.79
14	44.28	46.43	47.02	49.12	44.05	20.15	12.14	13.87	19.53	23.20	28.23	34.95
15	44.41	46.57	47.07	49.23	43.45	20.06	.....	12.93	19.26	23.90	28.52	35.12
16	44.44	46.69	47.09	49.34	42.89	19.56	.....	12.85	19.56	24.01	28.70	35.27
17	44.51	46.83	47.11	49.45	42.13	19.32	.....	12.57	19.53	24.15	29.08	35.40
18	44.50	46.97	47.00	49.52	41.95	19.25	.....	12.92	19.61	24.31	29.32	35.57
19	44.35	47.10	46.54	49.58	40.95	18.90	14.58	13.55	19.67	24.47	29.51	35.72
20	44.40	47.23	46.20	49.51	39.75	18.40	14.60	14.22	19.77	24.50	29.69	35.88
21	44.48	47.36	46.00	49.29	39.55	18.03	14.22	14.71	19.83	24.31	29.90	36.07
22	44.48	47.47	46.02	48.99	39.45	16.98	14.38	15.10	19.97	24.28	30.10	36.23
23	44.42	47.60	45.91	48.75	39.55	15.51	14.38	15.45	20.12	23.70	30.37	36.38
24	44.58	47.72	45.65	48.61	39.61	14.30	13.93	15.84	20.19	24.00	30.70	36.55
25	44.75	47.83	45.19	48.15	39.60	13.49	14.21	15.90	20.10	24.39	31.00	36.69

(D-4-4)12aaa 1--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	44.90	47.92	46.62	47.62	38.74	13.80	13.20	16.32	20.37	24.58	31.29	36.82
27	45.06	47.99	46.95	47.35	37.44	14.77	13.02	16.62	20.74	24.70	31.56	36.94
28	45.21	48.04	47.22	46.44	35.99	15.48	13.01	16.95	21.08	24.71	31.83	37.05
29	45.34		47.43	45.45	35.16	15.49	12.82	17.28	21.37	24.58	32.10	37.13
30	45.47		47.59	44.04	34.73	15.13	12.46	17.48	21.71	24.62	32.33	37.20
31	45.62		47.61		34.00		12.25	17.52		24.74		37.33

(D-4-4)14abb 1. Charlotte Brown. Records available: 1915-50. Measurement discontinued after Sept. 15, 1950.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17.22	17.80	17.38	17.58	.....	7.34	1.35	3.71	8.61
2	17.20	17.82	17.23	17.54	.....	7.47	1.72	4.49	8.17
3	17.18	17.82	17.13	17.52	.....	7.71	2.05	4.93	7.52
4	17.19	17.83	17.08	17.51	14.12	7.97	2.10	4.12	7.88
5	17.23	17.93	17.05	17.48	14.22	7.06	1.77	4.23	8.44
6	17.27	17.92	17.02	17.48	14.36	4.59	.55	4.53	8.78
7	17.31	17.70	17.02	17.46	14.47	3.61	.90	4.91	9.14
8	17.34	17.59	17.05	17.46	14.53	3.76	1.28	4.32	9.42
9	17.38	17.48	17.08	17.48	14.60	4.47	1.28	3.91	9.62
10	17.42	17.45	17.13	17.48	14.65	4.05	1.45	4.98	9.57
11	17.45	17.45	17.20	17.48	14.69	3.93	.90	4.93	9.83
12	17.49	17.50	17.27	17.46	14.73	3.65	1.30	5.52	10.02
13	17.52	17.56	17.34	17.45	14.80	3.56	1.53	6.07	10.02
14	17.56	17.63	17.38	17.43	14.85	3.62	1.61	4.90	9.94
15	17.58	17.70	17.42	17.42	14.79	2.75	1.41	4.98	9.86
16	17.62	17.76	17.40	17.40	.....	1.32	.73	5.21	.....
17	17.65	17.82	17.35	17.37	.....	1.76	1.17	5.38	.....
18	17.67	17.87	17.37	17.28	12.55	2.00	1.41	5.70	.....
19	17.72	17.91	17.44	17.23	13.07	2.13	1.72	6.07	.....
20	17.73	17.94	17.51	17.17	13.25	2.05	2.03	6.33	.....
21	17.74	17.96	17.56	17.00	13.27	1.57	2.42	5.99	.....
22	17.75	17.98	17.60	16.74	12.74	1.82	2.86	6.69	.....
23	17.75	17.97	17.64	16.71	12.34	1.78	3.12	7.08	.....
24	17.74	17.95	17.66	16.75	12.33	2.05	3.69	6.98	.....
25	17.75	17.89	17.66	16.69	12.15	1.49	3.37	6.98	.....
26	17.73	17.80	17.68	16.58	11.28	.53	3.03	6.99	.....
27	17.73	17.67	17.68	.....	8.66	1.17	3.32	7.43	.....
28	17.74	17.52	17.68	.....	7.28	1.27	3.74	7.84	.....
29	17.75		17.68	.....	7.13	1.38	4.06	6.94	.....
30	17.77		17.67	.....	7.77	1.61	4.07	8.11	.....
31	17.78		17.62		6.63		4.41	8.35	

(D-4-4)14aab 2. Heber Winterton. Records available: 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 16	11.83	Oct. 6	12.62	Oct. 23	13.76	Nov. 9	14.31
17	11.61	7	12.81	24	13.78	10	14.21
18	11.57	8	12.98	25	13.87	11	14.18
19	11.61	9	13.13	26	14.06	12	14.18
20	11.79	10	13.25	27	14.24	13	14.20
21	12.07	11	13.33	28	14.42	14	14.21
22	12.24	12	13.35	29	14.68	15	14.22
23	12.25	13	13.11	30	14.89	16	14.29
24	12.19	14	13.04	31	15.07	17	14.43
28	10.21	15	13.48	Nov. 1	15.13	18	14.58
29	10.67	16	13.66	2	15.04	19	14.56
30	11.10	17	13.78	3	14.97	20	14.55
Oct. 1	11.38	18	13.93	4	14.90	21	14.79
2	11.62	19	14.08	5	14.81	22	15.01
3	11.85	20	14.17	6	14.70	23	15.23
4	12.13	21	14.05	7	14.58	24	15.43
5	12.42	22	13.90	8	14.44	25	15.63



## (D-4-4)14aab 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 26	15.83	Dec. 5	17.25	Dec. 14	18.23	Dec. 23	18.92
27	16.03	6	17.38	15	18.32	24	18.99
28	16.22	7	17.48	16	18.40	25	19.05
29	16.40	8	17.58	17	18.48	26	19.10
30	16.55	9	17.68	18	18.57	27	19.15
Dec. 1	16.72	10	17.82	19	18.65	28	19.19
2	16.88	11	17.93	20	18.73	29	19.23
3	17.03	12	18.05	21	18.79	30	19.28
4	17.10	13	18.14	22	18.86	31	19.33

## (D-4-4)14ccc 1. Drought Relief Administration. Records available: 1935-50.

## Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	Sept.	Oct.	Nov.	Dec.
1	2.60	1.92	1.90	2.43	5.01	....	7.07	....	5.68
2	2.63	1.85	1.96	2.47	5.14	....	6.90	5.43	5.52
3	2.54	1.87	1.98	2.43	5.20	8.38	6.82	5.43	5.50
4	....	1.87	2.01	2.41	5.38	8.27	6.82	5.51	5.50
5	2.42	1.86	2.10	2.47	5.45	8.18	6.78	5.55	5.42
6	2.37	1.88	2.14	2.53	5.56	8.06	6.65	5.55	5.43
7	2.40	1.93	2.13	2.53	5.67	7.89	6.52	5.56	5.43
8	2.43	1.97	2.20	2.60	5.73	7.78	6.51	5.62	5.34
9	2.29	2.01	2.25	2.67	5.80	7.66	6.45	5.68	5.27
10	2.31	2.06	2.28	2.62	5.87	7.60	6.35	5.71	5.28
11	2.30	2.08	2.30	2.68	5.97	7.60	6.28	5.75	5.30
12	2.28	2.00	2.25	2.75	5.98	7.72	6.26	5.76	5.27
13	2.20	1.98	2.25	2.83	5.97	7.67	6.20	5.77	5.24
14	2.27	1.97	2.30	2.88	5.96	7.59	6.15	5.82	5.21
15	2.13	1.96	2.26	2.93	6.10	7.52	6.05	5.70	5.15
16	2.15	1.97	2.24	2.98	6.35	7.43	5.97	5.77	5.10
17	2.13	1.92	2.30	3.07	6.66	7.37	5.91	5.79	5.09
18	2.12	1.89	2.26	3.12	7.00	7.21	5.80	5.84	5.07
19	2.08	1.89	2.30	3.23	7.17	7.13	5.75	5.90	5.05
20	2.05	1.90	2.27	3.43	7.39	7.06	5.74	5.92	4.97
21	2.07	1.84	2.28	3.63	7.52	7.06	5.70	5.97	4.95
22	2.08	1.83	....	3.87	7.72	7.08	5.67	....	4.91
23	2.15	1.83	....	4.11	7.96	7.08	5.64	6.00	4.86
24	2.13	1.81	....	4.22	8.25	7.08	5.60	5.97	4.84
25	2.03	1.80	....	4.43	8.42	7.10	5.54	5.95	4.85
26	1.98	1.82	....	4.57	8.43	7.11	5.49	5.92	4.80
27	2.03	1.87	....	4.70	....	7.07	5.47	5.88	4.75
28	2.08	1.87	....	4.82	....	7.12	5.45	5.80	4.71
29	2.01	....	2.37	4.86	....	7.17	5.47	5.77	4.67
30	1.98	....	2.43	....	....	7.09	....	5.73	4.71
31	1.93	....	2.42	....	....	....	....	....	4.70

## 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. Records available: 1945, 1947-50. Feb. 28, 86.75; Mar. 24, 86.26; Aug. 3, 125.0, pumping; Sept. 27, 99.32; Nov. 8, 95.7; Dec. 12, 93.57.

(C-37-17)1ccd 1. State application 15465. Heber Truman. Records available: 1945, 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	58.40	June 10	63.30	Aug. 9	a125.6	Nov. 8	61.8
Mar. 26	52.44	Aug. 6	68.05	Sept. 26	63.67	Dec. 11	61.25

a Pumping.

(C-37-17)1dcc 1. State application a2296. Jones, Barlow & Holt. Irrigation well, depth 250 feet, diameter 14 inches. Records available: 1949-50.

Sept. 30, '49	63.30	Feb. 28, '50	62.00	Aug. 2, '50	a103.3	Nov. 8, '50	71.1
Dec. 13	61.70	Mar. 24	62.35	Sept. 27	72.97	Dec. 12	70.40

a Pumping.

(C-37-17)1ddc 1. State application 16339. Albert Holt. Irrigation well, depth 205 feet, diameter 14 inches. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 30, '49	64.90	Feb. 28, '50	65.5	Aug. 3, '50	a99.3	Nov. 8, '50	70.7
Dec. 13	62.85	Mar. 24	63.15	Sept. 27	73.07	Dec. 12	70.33

a Pumping.

(C-37-17)11dba 1. State claim 18726. E. A. Pickering. Records available: 1941-42, 1949-50. Dec. 13, 1949, 31.45; Feb. 28, 1950, 31.70; Mar. 26, 31.90; June 8, 36.32; Aug. 2, 37.30; Sept. 26, 38.02.

(C-37-17)12acc 1. State application a1965. Grant Clove. Irrigation well diameter 16 inches, depth 318 feet. Records available: 1949-50.

July 13, '49	46.60	Dec. 13, '49	38.20	Aug. 6, '50	45.10	Nov. 8, '50	42.7
Sept. 23	38.61	Feb. 28, '50	37.70	9	a110.0	Dec. 12	41.75
30	38.30	Mar. 24	37.57				

a Pumping.

(C-37-17)12cbc 1. Charles Sides. Records available: 1941-50. Feb. 28, 33.50; Mar. 24, 31.03; Aug. 3, 37.62; Sept. 27, 36.78; Dec. 11, 33.10.

(C-37-17)12cdc 1. Louis Elliker. Records available: 1941-42, 1949-50. Sept. 22, 1949, 42.80; Dec. 13, 43.43; Mar. 24, 1950, 42.09; June 7, 44.75; Aug. 2, 45.36; Sept. 26, 45.95; Dec. 12, 45.50.

(C-37-17)14adc 1. J. C. Bosshardt. Records available: 1941-50. Mar. 26, 40.79; June 8, 40.87; Aug. 2, 41.72; Aug. 9, 41.80; Sept. 26, 42.86; Dec. 12, 43.65.

(C-37-17)16cbb 1. State application 14146. J. W. Holt. Records available: 1941-48, 1950. Aug. 2, 17.19.

#### Washington County - Virgin River Valley

(C-38-12)20bba 1. State application 16635. E. G. Graff. Irrigation well, depth 220 feet, diameter 12 inches. Records available: 1947-50. Dec. 9, 1947, 41.23; Mar. 15, 1948, 40.66; July 17, 40.38; Dec. 9, 41.13; Dec. 8, 1949, 41.70; Mar. 27, 1950, 40.26; Dec. 7, 42.78.

(C-41-13)7dba 1. Clair Sterling. Records available: 1947-50. Jan. 20, 3.21; Mar. 27, 2.73; Apr. 20, 1.92; May 11, 1.82; Dec. 7, 4.37.

(C-42-11)3ac. Drought Relief Administration. Records available: 1934-50. Dec. 8, 18.84.

(C-42-16)17adb 2. Gates Service Station. Records available: 1948-50. Mar. 28, 7.91; Dec. 7, 8.73.

(C-42-16)22cba 1. State application 18001. Clyde Graff. Records available: 1947-50. Mar. 28, 20.08; Dec. 7, 21.76.

(C-42-16)24bba 1. State application 20557. Bryon Thornton. Industrial well, depth 185 feet, diameter 4 inches. Records available: 1949-50. Dec. 8, 1949, 32.94; Mar. 28, 1950, 24.71; Dec. 7, 30.71.

#### Wayne County - Fremont Valley

(D-27-2)25bd. State claim 7164. S. E. Tanner. Records available: 1936-50. Flowing prior to measurement. Dec. 9, +9.1.

(D-28-2)21dbb 1. State application 13875. Hyrum DeLeeuw. Records available: 1948-49. No measurement made in 1950.

(D-28-4)36cdb 1. V. A. Lee. Records available: 1936-50. Mar. 29, 13.93; Dec. 9, 14.96.

(D-29-4)6bbd 1. State application 19179. Reed Maxfield. Records available: 1948-50. Mar. 29, 17.82; Dec. 9, 15.07.

(D-29-4)15cbd 1. W. P. Coleman. Records available: 1936-50. Mar. 29, 1.07; Dec. 9, 1.03.

Weber County - East Shore area

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

(B-5-1)5daa 1. Ogden City. Records available: 1943-50. Mar. 27, 74.67; May 31, 75.10; Dec. 22, 70.29.

(B-5-2)1ddd 2. State application 16483. Ogden City Corp. Records available: 1946-50. June 27, 147.52; Dec. 21, 145.53.

(B-5-2)4aaa 2. State claim 5523. Florian Prevedel. Records available: 1944-50. Mar. 24, +4.51; June 27, +3.12; Aug. 30, +2.33; Dec. 21, +4.93.

(B-5-2)4add 1. State claim 715. James R. Rawson. Records available: 1945-50. Flowing prior to measurements. Mar. 24, +3.13; Dec. 21, +3.16.

(B-5-2)4cdd 1. State application 11889. Donas Ward. Records available: 1936-50. Flowing prior to measurements. Mar. 8, +32.8; Dec. 20, +34.7.

(B-5-2)6bdd 1. J. Virgil Stoddard. Records available: 1944-50. Flowing prior to measurements. Mar. 24, +19.6; Dec. 20, +19.0.

(B-5-2)9baa 1. State application 14996. Lawrence Mayberry. Records available: 1945-50. Flowing prior to measurements. Mar. 8, +19.5; Dec. 20, +20.6.

(B-5-3)13ddc 1. State claim 1298. J. D. Hooper. Records available: 1937-50. Mar. 24, +33.5; Dec. 20, +35.0.

(B-5-3)15dda 1. State application 11790. T. W. Read. Records available: 1936-50. Flowing prior to measurements. Mar. 24, +43.6; Dec. 20, +43.7.

(B-6-1)4ada 1. State claim 17890. A. M. Gardner. Records available: 1943-50. Flowing prior to measurements. Mar. 27, +13.1; Dec. 22, +15.5.

(B-6-1)6caa 1. State claim 595. Martin Harris. Records available: 1943-50. Mar. 27, +48.4; Dec. 22, +48.1.

(B-6-1)8acb 1. L. W. Winkler and Carl Nielson. Records available: 1938-50. Mar. 27, 4.02; Dec. 22, 4.02.

(B-6-1)8bdd 16. State claim 5438. S. T. Bybee. Records available: 1937-49. Measurement discontinued.

(B-6-1)21add 1. State claim 8389. Drought Relief Administration. Records available: 1938-50. Mar. 27, 47.42; Dec. 22, 46.31.

(B-6-1)29abb 1. State application 13003. Becker Products Co. Records available: 1943-50.

Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.9	15.7	16.4	18.1	16.9	15.8	13.8	14.1	15.4	17.2	17.6	18.9
2	16.0	15.8	16.6	18.1	17.1	16.0	14.1	14.2	15.4	17.3	17.2	18.8
3	16.1	15.7	16.6	18.2	17.0	16.2	14.1	14.3	15.6	17.2	17.0	18.9
4	16.3	15.7	16.6	....	17.0	15.7	14.0	14.1	15.9	17.3	17.1	19.2
5	16.2	15.7	16.6	16.9	16.9	15.3	14.1	14.3	15.8	17.0	17.3	....
6	16.2	15.8	16.5	16.9	17.0	15.0	14.2	14.8	15.2	17.1	17.3	....
7	16.6	15.8	16.5	17.0	17.2	14.9	14.6	15.1	15.4	17.1	17.3	....
8	16.0	15.8	16.7	17.0	17.2	15.3	14.7	14.8	15.3	17.2	17.3	....
9	15.8	15.7	16.8	17.0	17.2	15.7	15.1	14.8	15.7	17.3	17.3	....
10	15.8	15.8	16.9	16.9	17.1	15.8	15.0	15.0	15.9	16.9	17.5	....
11	15.9	15.8	16.9	16.9	17.2	15.8	15.1	15.2	16.1	16.9	17.6	....
12	16.0	15.6	16.8	16.9	17.2	15.7	15.2	15.3	16.2	17.0	17.8	....
13	16.0	15.7	17.0	17.0	17.2	15.6	15.4	15.2	16.3	17.1	17.9	....
14	16.4	15.8	17.2	17.0	17.2	15.3	15.5	15.6	16.4	17.2	17.9	....
15	16.0	15.8	17.2	17.1	17.3	14.9	15.5	15.5	16.6	17.3	17.8	....
16	16.1	15.8	17.3	16.9	17.1	14.8	15.7	15.4	16.8	17.4	17.8	....
17	15.9	15.7	17.4	16.9	17.0	14.9	15.7	15.3	16.8	17.4	18.1	....
18	15.9	15.8	17.3	16.9	17.1	14.6	....	15.1	16.8	17.3	18.1	....
19	15.9	15.8	17.6	16.8	17.3	14.4	....	15.2	16.9	17.3	18.1	....
20	15.8	15.9	17.6	16.7	17.1	13.9	....	15.6	16.2	17.3	18.2	....

(B-6-1)29abb 1--Continued.

Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	15.8	15.7	17.7	16.8	17.1	13.9	....	15.8	16.2	17.1	18.1	....
22	15.9	15.8	17.8	16.8	17.3	13.7	....	15.7	16.3	17.2	18.2	....
23	16.0	16.2	17.8	16.7	17.1	13.3	....	15.5	16.4	17.4	18.4	....
24	15.8	15.9	18.0	16.6	16.8	13.7	....	15.3	16.4	17.4	18.4	....
25	15.7	16.3	17.9	16.6	16.8	14.1	14.2	15.1	16.7	17.5	18.5	....
26	15.8	16.3	17.8	16.5	16.9	14.2	14.1	15.2	17.0	17.6	18.6	....
27	16.0	16.3	17.8	16.7	16.1	14.0	14.0	15.4	17.0	17.6	18.6	....
28	15.9	16.3	17.8	16.8	16.4	14.1	14.0	15.6	17.1	17.7	18.7	....
29	15.8		17.9	16.9	16.4	13.8	14.3	15.7	17.2	17.8	18.7	....
30	16.1		17.9	17.0	16.0	13.7	14.4	15.7	17.1	18.0	18.8	....
31	15.4		18.0		16.0		14.2	15.8		18.0		....

(B-6-1)29ccc. Ogden Union Railroad &amp; Depot Co. Records available: 1943-50.

Daily noon water level, above land-surface datum, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.6	14.5	14.7	15.5	15.5	14.6	12.4	....	14.3	15.7	16.5	17.1
2	14.6	14.3	14.7	15.5	15.6	14.4	12.9	12.7	14.2	15.8	16.5	17.1
3	14.6	14.3	14.6	15.3	15.4	14.6	12.9	12.7	14.4	16.0	16.5	17.1
4	14.6	14.4	14.8	15.3	15.2	14.6	....	12.8	14.7	16.2	16.7	17.1
5	14.5	14.5	14.8	15.4	15.3	13.9	12.9	13.2	14.6	16.3	16.6	17.2
6	14.5	14.4	14.7	15.5	15.6	13.5	13.1	13.5	14.5	16.0	16.6	17.1
7	14.6	14.5	14.7	15.6	15.7	13.1	13.4	13.7	14.3	16.1	16.7	17.1
8	14.7	14.5	14.8	15.7	15.5	13.5	....	....	14.1	16.1	16.7	17.1
9	14.5	14.4	14.9	15.6	15.5	14.0	13.9	13.6	14.4	16.3	16.5	17.2
10	14.7	14.5	14.9	15.3	15.6	14.3	13.7	13.5	14.7	16.4	16.6	17.1
11	14.7	14.6	15.0	15.4	15.6	14.7	14.0	13.7	14.6	16.4	16.7	17.0
12	14.5	14.4	14.8	15.5	15.6	14.5	....	14.2	15.0	16.4	16.7	17.2
13	14.5	14.3	14.9	15.5	15.8	....	14.1	14.4	15.3	16.5	16.8	17.2
14	14.7	14.4	15.2	15.3	16.0	13.9	14.3	14.6	15.2	16.5	16.9	17.0
15	14.4	14.5	15.2	15.6	15.9	13.7	14.4	14.3	15.4	16.3	16.8	17.1
16	14.5	14.5	15.2	15.7	15.8	13.5	....	14.2	15.5	16.5	16.6	17.2
17	14.7	14.4	15.3	....	15.9	13.4	....	14.0	15.4	....	16.8	17.0
18	....	14.5	15.4	15.4	15.6	13.1	....	14.0	15.1	16.6	17.0	17.0
19	14.5	14.5	15.4	15.4	15.6	13.1	....	14.1	....	16.5	16.9	17.2
20	....	14.5	15.4	15.4	15.6	12.5	....	14.5	15.1	16.6	16.8	17.1
21	....	14.5	15.4	15.4	16.0	12.3	....	14.7	15.3	16.6	16.9	16.9
22	14.5	14.6	15.4	15.7	16.0	11.9	....	....	15.4	16.6	17.0	17.0
23	14.5	14.6	15.3	15.7	15.9	11.8	....	14.3	15.5	16.6	16.9	17.1
24	14.8	14.6	15.3	15.4	15.9	12.4	....	14.1	15.6	....	16.9	17.0
25	14.6	14.8	15.4	15.5	15.6	13.0	12.6	14.0	15.7	16.7	17.1	17.0
26	14.4	14.8	15.2	15.4	15.6	13.0	12.7	14.2	15.9	16.6	17.0	17.1
27	14.5	14.8	15.1	15.3	15.0	....	12.6	14.5	15.8	16.5	16.9	17.1
28	14.7	14.8	15.2	15.2	15.0	12.5	12.4	14.7	15.7	16.6	17.0	17.0
29	14.5		15.1	15.4	15.0	12.5	12.6	....	15.7	16.8	17.0	17.1
30	14.4		15.1	15.6	14.9	12.4	13.0	14.5	15.7	16.9	16.9	17.3
31	14.6		15.1		14.9		13.1	14.6		16.6		17.2

(B-6-1)30cca 1. State claim 1030. California Packing Corp. Records available: 1943-50.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	29.70	29.68	29.72	29.50	29.47	29.25	29.50	30.08	30.13	29.85	29.65	29.09
2	29.65	29.76	29.68	29.47	29.44	29.22	29.53	30.09	30.13	29.92	29.63	29.15
3	29.63	29.71	29.70	20.50	20.36	20.28	20.52	30.09	30.13	29.94	29.65	29.11
4	29.65	29.69	29.72	29.43	29.34	29.30	....	30.10	30.12	29.90	29.59	29.04
5	29.69	29.67	29.66	29.60	20.40	20.28	....	30.10	30.14	29.85	29.53	29.13
6	29.74	29.64	29.65	29.58	29.37	29.22	....	30.16	30.13	29.89	29.50	29.12
7	29.72	29.66	29.70	29.61	29.34	29.21	29.55	30.16	30.15	....	29.51	29.01
8	29.65	29.69	29.65	29.61	29.31	29.27	29.58	30.18	30.11	....	29.45	29.05
9	29.60	20.69	29.62	20.60	20.31	20.31	20.62	30.18	20.13	....	29.51	29.13
10	29.67	29.64	29.58	29.66	29.32	29.27	29.64	30.17	30.11	....	29.51	29.11

(B-6-1)30cca 1.--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	29.63	29.60	20.56	20.65	20.32	20.26	29.64	30.20	30.10	.....	29.44	29.08
12	20.64	20.68	20.62	20.62	20.30	29.29	29.69	30.23	30.09	.....	29.40	29.05
13	29.67	29.71	29.64	29.58	29.28	29.28	29.68	30.22	30.06	29.70	20.36	29.04
14	29.58	29.71	29.58	29.56	29.27	29.24	29.68	30.20	30.04	29.87	29.31	29.03
15	29.69	29.72	29.58	29.60	29.28	29.27	29.71	30.20	30.02	29.88	29.37	29.08
16	29.66	29.69	29.62	29.64	29.29	29.26	29.76	30.19	30.00	29.87	29.36	29.12
17	29.66	29.69	29.57	29.59	29.25	29.29	29.76	30.19	29.99	29.87	29.36	29.11
18	29.66	29.70	29.58	29.64	29.23	29.32	29.77	30.19	30.01	29.89	29.27	29.11
19	29.70	29.67	29.55	29.66	29.26	29.33	29.79	30.19	30.02	29.90	29.22	29.08
20	29.74	29.62	29.56	29.61	29.28	29.36	.....	30.19	30.05	29.85	29.28	29.12
21	29.73	29.65	29.56	29.56	29.27	29.35	29.86	30.18	30.06	29.82	29.23	29.10
22	29.71	29.66	29.51	29.54	29.25	29.37	29.87	30.16	30.02	29.81	29.23	29.10
23	29.61	29.64	29.54	29.55	29.24	29.36	29.94	30.13	30.02	29.79	29.22	29.11
24	29.58	29.66	29.47	29.62	29.23	29.37	30.01	30.15	30.01	29.82	29.24	29.10
25	29.60	29.70	29.54	29.58	29.27	29.47	30.04	30.15	29.97	29.79	29.23	29.05
26	.....	29.68	29.46	29.56	29.27	29.47	30.04	30.15	29.94	29.76	29.21	29.04
27	.....	29.65	29.47	29.54	29.26	29.47	30.05	30.16	29.97	29.69	29.20	29.06
28	29.60	29.70	29.52	29.50	29.25	.....	30.04	30.14	29.93	29.69	29.23	29.04
29	29.65		29.56	29.54	29.29	.....	.....	30.12	29.85	29.67	29.20	29.04
30	29.65		29.53	29.55	29.30	29.52	30.09	30.11	29.88	29.63	29.14	29.00
31	29.67		29.52		29.29		30.08	30.10		29.63		28.94

(B-6-1)30cb 2. American Packing & Provision Co. Records available: 1937-49. Measurement discontinued.

(B-6-2)6cbc 2. State application 14532. Latter Day Saints Warren Ward. Domestic well, depth 512 feet, diameter 2 inches. Records available: 1947-50. Flowing prior to measurements.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 7, '47	+19.1	Dec. 9, '47	+18.9	Sept. 7, '48	+17.3	Dec. 19, '49	+18.1
July 30	+18.0	May 6, '48	+18.2	Dec. 29	+18.1	Mar. 24, '50	+18.5
Oct. 8	+17.9	July 15	+18.3	May 6, '49	+17.9	Dec. 21	+18.0

(B-6-2)8abd 1. State claim 2471. West Weber Cemetery. Records available: 1937-50. Flowing prior to measurement. Mar. 24, +15.6; Dec. 21, +15.7.

(B-6-2)11dad 1. State claim 5613. Jerome Wheeler. Records available: 1937-50. Flowing prior to measurements. Jan. 1, +24.2; Mar. 27, +24.4; May 31, +24.7; Dec. 21, +23.7.

(B-6-2)12aab 3. State application 13026. Weber County School District. Records available: 1943-49. Measurement discontinued.

(B-6-2)22dcd 1. Francis Patterson. Records available: 1930-50. Mar. 24, +0.58; Dec. 21, +1.86.

(B-6-2)26ada 1. State claim 1196. Amalgamated Sugar Co. Records available: 1936-50. Jan. 5, +9.3; Apr. 5, +11.7; Dec. 21, +10.3.

(B-6-3)26bbb 1. State claim 7505. Mrs. F. G. Kelley. Records available: 1935-50. Mar. 24, +28.4; Dec. 21, +27.2.

(B-7-1)32ada 4. State claim 14931. Joseph Folkman. Records available: 1935-50. Mar. 27, +8.4; Dec. 22, +14.6.

(B-7-1)33baa 5. State claim 16832. J. P. Spackman. Records available: 1943-50. Mar. 27, +23.2; Dec. 22, +25.8.

(B-7-2)21dc. Annie Maw. Records available: 1936-50. Flowing prior to measurements. Mar. 24, +3.03; Dec. 21, +3.11.

(B-7-2)32aca 1. State application 15170. Dean Baker. Records available: 1945-50. Flowing prior to measurements. Mar. 24, +32.7; Dec. 21, +33.8.

(B-7-2)32dab 1. State claim 15095. Marie Olsen. Records available: 1937-50.  
Mar. 24, +31.9; Dec. 21, +31.7.

(B-7-2)36cdd 1. State application 14082. J. D. Brown. Records available: 1943-50.  
Mar. 27, +39.0; Dec. 22, +36.2.

(B-7-3)35daa 1. State claim 5489. Neal Wayment. Records available: 1936-50.  
Flowing prior to measurements. Mar. 24, +9.9; Dec. 21, +9.2.

## Weber County - Ogden Valley

(A-6-1)11dc. U. S. Bureau of Reclamation. Records available: 1936-50.

## Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Sept.	Oct.	Nov.	Dec.
1	29.77	27.79	28.46	31.09	21.65	17.63	25.60	28.13	29.43	29.58	25.56
2	29.63	29.82	28.25	31.07	21.54	17.55	25.61	28.27	29.53	29.60	25.50
3	29.68	29.84	28.10	30.92	21.56	15.48	25.61	28.42	29.68	29.60	25.46
4	.....	29.89	27.82	30.64	21.61	14.79	25.61	28.58	29.76	29.61	25.39
5	.....	29.91	27.52	30.60	21.77	16.28	25.62	28.81	29.82	29.62	25.22
6	.....	29.91	27.17	30.57	21.79	16.54	25.62	28.94	29.90	29.62	25.10
7	.....	29.67	27.02	30.50	21.86	18.01	25.62	29.07	29.98	29.63	24.98
8	.....	29.54	27.18	30.15	21.95	11.86	25.62	29.21	29.96	29.63	24.87
9	.....	29.44	27.41	29.71	22.02	10.01	25.66	29.35	29.68	29.63	24.74
10	29.67	29.38	27.63	29.20	22.08	13.26	25.69	29.52	29.44	29.63	24.58
11	29.73	29.32	27.88	28.85	22.16	17.86	25.75	29.69	29.33	29.63	24.44
12	29.85	29.32	28.25	28.82	22.20	19.27	25.82	29.82	29.25	29.63	24.28
13	30.00	29.32	28.67	28.75	22.77	19.95	25.88	29.92	29.20	29.63	24.22
14	30.13	29.32	29.11	28.55	22.79	17.85	25.95	30.05	29.18	29.64	24.15
15	30.19	29.33	29.40	28.23	22.39	15.55	26.10	30.15	29.22	29.64	24.10
16	30.23	29.34	29.73	28.02	21.57	14.27	26.18	30.27	29.26	29.64	24.04
17	30.28	29.35	30.05	27.65	21.24	13.80	26.26	30.30	29.31	29.64	23.98
18	.....	29.36	30.35	26.87	20.76	13.58	26.36	28.20	29.35	29.64	23.93
19	.....	29.37	30.48	26.42	19.45	13.50	26.46	27.83	29.39	29.63	23.85
20	.....	29.38	30.70	26.00	19.08	13.44	26.58	.....	29.42	29.61	23.82
21	.....	29.39	30.98	25.55	19.93	.....	26.69	.....	29.45	28.93	23.80
22	.....	29.39	30.94	24.88	19.66	.....	26.81	.....	29.48	26.96	23.79
23	.....	29.39	30.88	24.15	18.42	.....	26.93	.....	29.51	26.46	23.79
24	30.29	29.39	30.87	23.62	18.66	.....	27.04	.....	29.55	26.20	23.79
25	30.15	29.32	30.84	23.10	18.42	.....	27.12	.....	29.62	26.02	23.79
26	30.06	29.18	30.81	23.14	18.17	.....	27.25	28.92	29.62	25.91	23.80
27	29.94	28.95	30.85	23.18	18.03	.....	27.40	29.02	29.62	25.82	23.80
28	29.85	28.67	30.90	23.17	17.93	.....	27.53	29.12	29.62	25.71	23.80
29	29.81	.....	30.99	23.18	17.90	.....	27.69	29.23	29.62	25.69	23.81
30	29.79	.....	31.05	22.20	17.90	.....	27.83	29.32	29.62	25.62	23.82
31	29.79	.....	31.08	.....	17.76	.....	27.98	.....	29.58	.....	23.83

(A-6-1)12aa 1. City of Ogden. Records available: 1936-50.

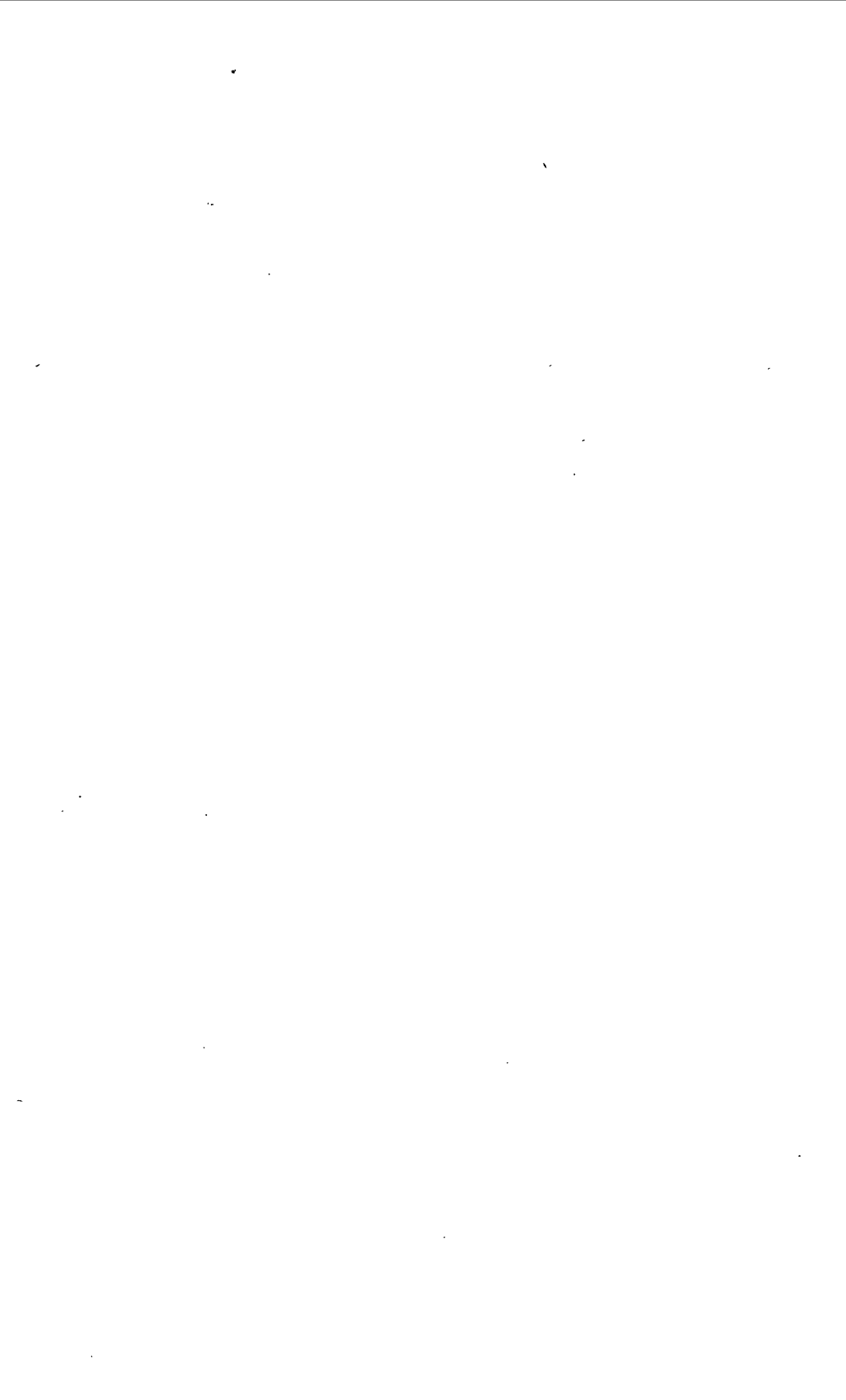
## Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.23	1.23	0.44	0.69	+2.02	+7.51	+7.18	+3.86	0.11	1.99	.....	0.69
2	2.24	1.23	.34	.69	+1.97	+7.60	+7.09	.....	.23	2.05	.....	.69
3	2.25	.....	.29	.68	.....	+7.92	+6.94	.....	.32	2.10	.....	.55
4	2.33	.....	.25	.72	.....	+8.21	+6.83	.....	.40	2.08	.....	.38
5	2.39	.....	.12	.68	.....	+8.24	+6.69	+3.54	.55	2.06	.....	.18
6	.....	.....	.01	.61	.....	+8.37	+6.59	.....	.69	2.07	.....	+1.10
7	.....	1.34	.06	.60	.....	+8.27	+6.47	.....	.84	2.14	2.53	+1.33
8	.....	.....	.....	.56	.....	+6.71	+6.36	+3.05	.94	2.00	2.50	+1.48
9	.....	.....	.....	.44	+1.57	+9.09	+6.24	+2.93	1.04	1.89	2.54	+1.62
10	2.60	.....	.....	.40	+1.51	+8.82	+6.13	+2.78	1.13	1.90	2.55	+1.85
11	2.61	.....	.....	.34	+1.46	+8.28	+6.10	+2.65	1.26	1.91	2.49	+1.05
12	2.62	.....	.....	.29	+1.44	+8.00	+6.49	+2.13	1.44	1.91	2.48	+1.14
13	2.66	.....	.....	.24	+1.50	+7.84	.....	+2.40	1.48	1.93	2.48	+1.16
14	2.71	.....	.35	.22	+1.72	+7.98	.....	+2.26	1.58	2.00	2.47	+1.21
15	2.75	.....	.40	.22	+2.06	+8.25	.....	+2.14	1.61	2.07	2.54	+1.26

(A-6-1)12aa 1--Continued.

Daily noon water level, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	2.80	....	.52	.20	+2.43	+8.53	....	+2.01	1.61	2.13	....	+1.31
17	2.82	....	.54	.09	....	+8.65	....	+1.90	1.34	2.18	....	+1.36
18	2.72	....	.57	.04	....	+8.69	....	+1.78	1.26	2.26	....	+1.40
19	2.58	....	.61	+.01	....	+8.72	....	+1.69	....	2.30	....	+1.45
20	....	....	.63	+.02	....	+8.73	....	+1.54	....	2.30	....	+1.44
21	....	....	.66	....	....	+8.78	....	+1.45	....	2.30	2.05	+1.44
22	....	....	....	....	....	+8.80	....	+1.31	....	2.35	1.62	+1.45
23	....	....	....	....	+5.02	+8.82	....	+1.19	....	2.38	1.44	+1.44
24	1.83	0.72	....	....	+5.82	+8.71	....	+1.03	....	2.42	1.33	+1.42
25	1.71	.68	.54	+1.88	+6.29	+8.15	....	+1.01	....	2.42	1.23	+1.45
26	1.68	.62	.61	+1.94	+6.65	+7.98	....	+.76	1.87	....	1.14	+1.44
27	1.51	.51	.62	+1.96	+6.90	+7.91	....	+.62	1.95	....	1.06	+1.40
28	....	.48	.66	+2.02	+7.04	+7.68	....	+.32	1.97	....	1.03	+1.37
29	....	....	.69	+1.97	+7.16	+7.47	....	+.19	1.96	....	.93	+1.35
30	....	....	.76	+1.96	+7.20	+7.30	....	+.05	1.98	....	.82	+1.37
31	1.24	....	.71	....	+7.37	....	....	....	....	2.55	....	+1.43





# WASHINGTON

By Glen D. Holmberg

## Scope of Water-Level Program

The observation-well program in Washington was continued in 1950 in cooperation with the State Department of Conservation and Development. Wells were measured in connection with investigations of the ground-water resources of counties or other areas, including the Columbia Basin Project area in south-central Washington, Kitsap County, and Yelm area of Thurston County. A report on the ground-water resources of a part of Skagit County, including some water-level measurements, was completed and released to the open file. About 1,110 measurements, made in 99 observation wells, are included in this report. One recording and 12 nonrecording gages were maintained throughout the year. Location of wells is shown on figure 3.

## Precipitation

The first of the following tables shows monthly distribution of precipitation at two representative stations. The average monthly precipitation, both in inches and in percent of average annual, is shown in comparison with precipitation for 1950. The 1950 precipitation is given in inches and in percent of average annual precipitation. Records of the Olympia station are representative of western Washington and the records of the Waterville station are representative of eastern Washington. Table 2 shows precipitation in inches for the year ending December 31, 1950 at 13 representative stations in the State; and also the ratio, in percent, of the 1950 precipitation to the average annual precipitation for each of those stations. All stations show above normal annual precipitation, ranging from 103.4 percent of normal at Port Angeles to 141.2 percent at Seattle.

Monthly precipitation at representative stations

Month	Rainfall at Olympia				Rainfall at Waterville			
	50-year average		1950		50-year average		1950	
	Inches	Percent of annual	Inches	Percent of average annual	Inches	Percent of annual	Inches	Percent of average annual
January	7.92	15.2	7.25	13.9	1.48	13.3	2.27	20.2
February	6.48	12.4	10.41	20.0	1.19	10.6	1.21	10.8
March	5.09	9.7	10.28	19.6	.79	7.0	1.38	12.3
April	3.34	6.4	3.35	6.4	.70	6.2	.90	8.0
May	2.42	4.6	.98	1.9	.91	8.1	1.60	9.4
June	1.59	3.0	.50	1.0	.87	7.8	2.15	19.2
July	.68	1.3	.61	1.2	.39	3.5	(T)	0
August	.70	1.4	1.73	3.3	.40	3.6	(T)	0
September	2.42	4.6	2.21	4.2	.56	5.0	.04	.4
October	4.42	8.5	8.25	15.7	.74	6.6	1.97	17.6
November	8.02	15.3	10.83	20.4	1.45	12.9	1.98	16.8
December	9.21	17.6	10.40	19.9	1.74	15.4	1.81	16.1
Annual	52.29	100.0	66.80	127.6	11.22	100.0	14.77	130.8

(T) Trace, an amount too small to measure.

Annual precipitation at representative stations

Province	Station and County	Average annual (inches)	1950	
			(inches)	Percent of Average
North Coast Ranges	Port Angeles, Clallam	27.36	28.36	103.4
	Aberdeen, Grays Harbor	82.96	99.55	120.0
Puget-Willamette Trough	Olga, San Juan	28.98	30.08	103.8
	Seattle, King	35.55	50.40	141.6
	Vancouver, Clark	37.32	52.65	141.2
	Olympia, Thurston	52.29	66.80	127.8
Columbia Plateau	Ellensburg, Kittitas	9.03	11.66	129.1
	Waterville, Douglas	11.22	14.77	131.5
	Kennewick, Benton	7.06	9.69	137.3
	Walla Walla, Walla Walla	17.01	20.91	122.9
Northern Rocky Mountains	Lakeside, Chelan	10.85	14.64	134.9
	Colville, Stevens	16.54	21.72	131.3
	Spokane, Spokane	16.62	23.00	138.4

## Interpretation of Water-Level Fluctuations

In general, water levels were above normal during 1950, due to above-normal precipitation during the winter and spring. Water levels in many wells rose to new highs. Well 23/1-2C2, a dug well, 60 feet deep in sand, in Kitsap County, is representative of wells in glacial sand and gravel around Puget Sound. The water level during 1950 ranged from 45.38 to 52.50 feet and was above the average water level during the entire year. The water level has been rising for the past 3 years and during 1950 reached a new high due to the above-average precipitation. The average water level in this well, for the 19 years of record, is 53.44 feet. Well 23/19-4E2, in Cashmere, is representative of shallow wells in the river valleys on the eastern slopes of the Cascade Range. The water level in 1950 fluctuated 3.93 feet, from 14.27 to 18.20 and, because of the above-average precipitation, was above average during 10 months of the year. New high water levels were recorded for several months of the year. The average water level for the 6 years of record is 16.59 feet. Well 18/30-34M1 in Columbia Basin project area of Grant County is characteristic of many of the wells in the central part of the State which obtain water from the extensive basaltic lava flows. The recorded water level in this well varied only 0.73 foot (102.50 to 103.23) during 1950. During the 8-year period of record for this well the water level has had a total range of 6.39 feet. The average annual precipitation at Ruff, a few miles north of the well, is 8.68 inches, but in 1950 precipitation was 2.13 inches above normal, and the water level rose 0.73 foot from February to July. During the summer it receded about 0.2 foot and then started to recover at the years end. The 1950 average water level in this well was 0.50 foot above the average level of the 7 previous years.

Well 25/45-16C1 is dug 129 feet in very permeable glacial gravels of the Spokane Valley. The recorded water levels in this well ranged from 88.85 to 101.71 feet during 1950. The water level was above the 1930-1950 average for the entire year ranging from 5 feet above average in January to 12 feet above average in June and was 7½ feet above average in December. New high water levels were recorded for March, June, October, and November. The precipitation which averages just under 17 inches annually, was more than 30 percent above average for 1950.

County	Well Number	Water level, feet below land-surface datum							
		Avg		Yearly		All time		1950	
		Max	Min	Max	Min	Max	Min	above 49 min	below yearly min
Adams	19/31-19B1	184.26	184.66	183.97	187.00	184.22	184.37	+0.01	+0.27
Benton	9/27-19G1	13.92	14.63	11.47	15.53	11.47	14.47	- .59	+ .16
Chelan	23/19-4E2	14.42	18.41	13.20	19.22	14.27	18.20	+ .60	+ .21
Franklin	9/29-25D1	32.21	36.49	28.03	38.17	28.08	35.54	+1.21	+1.18
Grant	19/26-34D1	92.29	92.57	92.22	94.50	92.37	93.35	- .37	- .98
	19/27-16N1	67.76	68.65	65.89	70.50	65.89	66.86	+4.22	+1.49
	21/28-34A1	94.29	95.37	89.17	96.91	89.17	94.44	- .04	+ .93
Kitsap	23/1-2C2	53.80	55.07	45.38	60.32	45.38	52.50	- .71	+2.57
Lincoln	25/37-14M1	18.71	20.71	12.73	22.91	12.73	16.88	- .38	+1.83
Okanogan	34/26-28A1	31.18	32.97	28.86	33.33	28.86	33.10	+ .17	- .13
	40/27-28G1	14.98	17.90	13.35	18.61	13.35	17.95	- .30	- .05
Pierce	19/4-7A1	17.78	35.58	13.73	36.90	13.73	34.80	+ .16	+ .78
	20/3-35G1	179.89	181.28	178.62	182.27	178.62	180.66	- .14	+ .62
Spokane	25/42-14L1	88.61	98.73	81.73	101.24	85.77	97.05	+1.11	+1.67
	25/45-16C1	98.24	107.57	90.69	110.36	88.85	102.29	+1.52	+5.28
Walla Walla	6/35-16B1	2.98	9.28	2.93	5.82	2.98	4.59	+4.69	+1.23
Whatcom	40/1-4J1	66.39	68.28	64.92	75.23	67.44	69.62	- .75	-1.34
Whitman	14/45-11N1	4.56	7.95	2.80	9.48	2.85	6.90	-2.30	+1.05

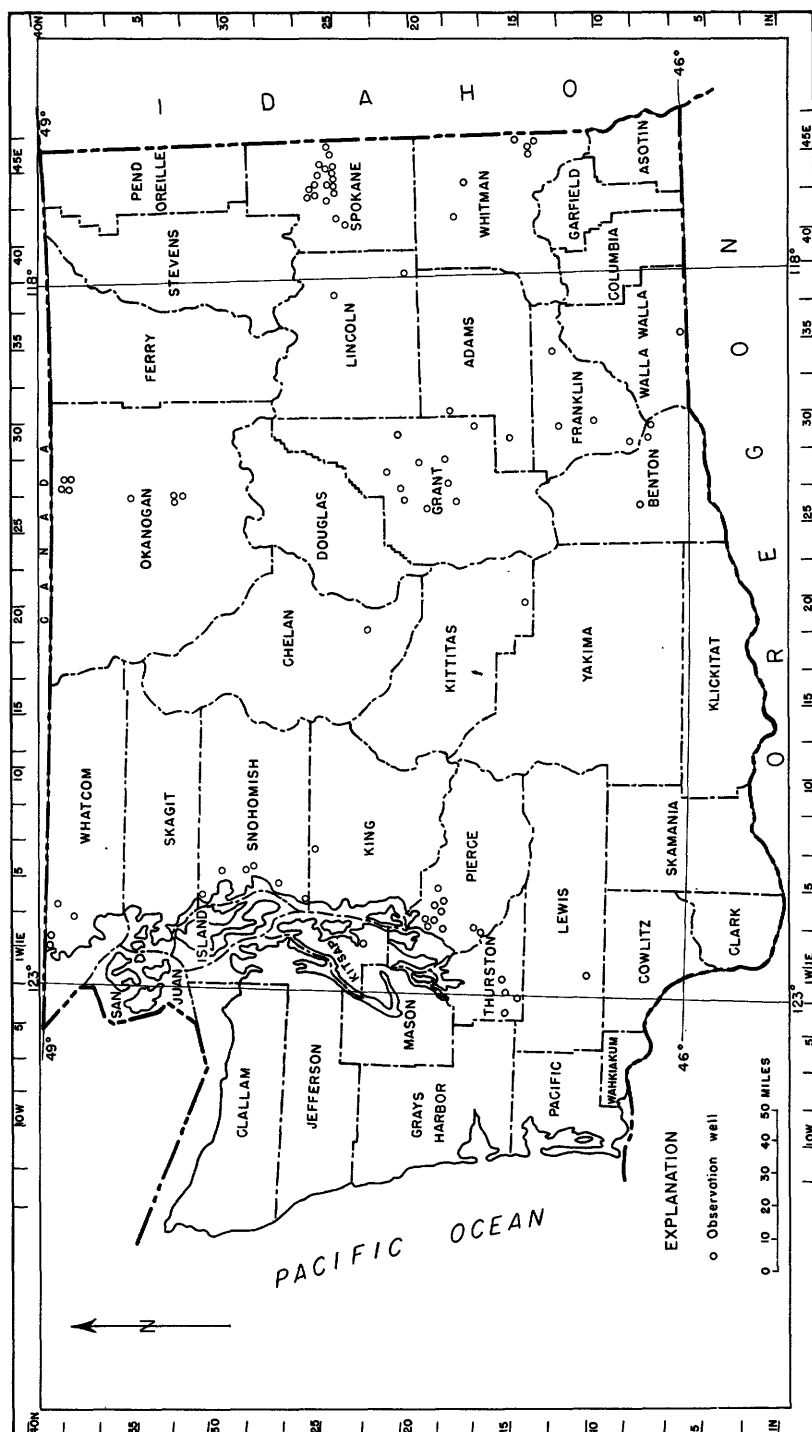


Figure 3. ---Location of observation wells in Washington, 1950.

## Well-Numbering System

Observation wells are listed by counties and by township and range within the county. The numbers assigned to wells are based on and show the locations of the wells according to the rectangular system for subdivision of public land; indicating township, range, section, and 40-acre tract within the section. For example, in the well number 18N/3E-15B1, the part preceding the hyphen indicates successively the township and range (T. 18 N., R. 3 E.) north and east of the Willamette base line and meridian. The first number following the hyphen indicates the section (section 15) and the letter (B) gives the 40-acre subdivision of the section as shown in the following diagram.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

The last number (1) is the serial number of the well in that particular 40-acre tract. Because all townships in Washington are north of the Willamette base line, the letter "N" is always omitted. Because most of the State is east of Willamette meridian, the letter "E" is omitted for those ranges east of Willamette meridian; but "W" is included when the range lies west of the Willamette meridian. Thus the first well recorded in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ , sec. 15, T. 18 N., R. 3 E. would have the number 18/3-15B1.

## Well Descriptions and Water-Level Measurements

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

Adams County

## Columbia Basin

16/29-35R1. Kathryn D. Tate. Drilled unused well in Yakima basalt, diameter 6 inches, depth 314 feet. Records available: 1940-50. Apr. 7, 275.90; June 30, 275.76; Oct. 5, 274.85; Dec. 19, 275.15.

19/31-19B1. Barbara Dormaier. Drilled unused well in Yakima basalt, diameter 6 inches, depth 218 feet. Records available: 1939-50. Apr. 7, 184.22; July 27, 184.30; Oct. 2, 184.37; Nov. 9, 184.25; Dec. 20, 184.29.

Benton County

## Yakima Basin

8/29-1D1. Garber Dairy. Dug domestic and stock water-table well in gravel, diameter 48 inches, depth 75 feet. Records available: 1948-50. Apr. 6, 67.48; May 8, 66.42, pumping; June 30, 62.34; Oct. 5, 62.31; Dec. 16, 65.39.

8/30-9E1. E. Dague. Dug and drilled domestic and stock water-table well in sand and gravel. Records available: 1948-50. Apr. 6, 23.97; July 8, 19.66; Oct. 5, 18.22; Dec. 16, 20.74.

9/27-19G1. Paul Root. Dug domestic water-table well in gravel, diameter 48 inches, depth 27 feet. Records available: 1940-50. Apr. 6, 13.09; June 30, 11.47; Oct. 5, 14.01; Dec. 16, 13.13.

Chelan County

## Wenatchee Basin

23/19-4E2. City of Cashmere natatorium well. Dug public supply water-table well in sand and gravel, diameter 72 inches, depth 23.6 feet. Records available: 1945-50.

23/19-4E2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	17.39	16.65	16.44	15.85	14.88	14.49	15.43	15.52	15.74	15.82	16.48	16.17
10	16.28	17.57	15.80	15.68	14.72	14.69	15.53	15.59	15.90	15.90	16.67	16.38
15	16.72	18.02	15.96	15.13	14.27	14.84	15.87	15.57	15.84	15.99	16.80	16.22
20	16.00	18.20	15.86	14.57	14.49	15.98	15.76	15.60	15.94	16.22	16.88	16.11
25	16.05	18.01	15.97	14.73	14.59	15.13	15.79	15.63	15.74	16.42	16.42	14.84
30	16.35		16.27	14.98	14.45	15.30	15.62	15.70	15.70	16.49	15.96	14.77

Douglas County

## Columbia Plateau

25/22-22C1. City of Waterville. Dug sump and gallery in basalt. Records available: 1945-50. Oct. 3, 10.02; Dec. 12, 4.05.

Franklin County

## Columbia Basin

9/29-25D1. E. T. Lindar. Dug unused water-table well in terrace gravel of the Columbia River, diameter 60 inches, depth 45 feet. Records available: 1940-50. May 6, 35.54; July 8, 28.03; Oct. 4, 34.93; Dec. 19, 34.88.

11/30-11B1. Northern Pacific Railway Co. Dug unused water-table well in glacial-outwash gravel, diameter 8 inches, depth 116.6 feet. Records available: 1940-50. May 30, 108.64; June 30, 114.74; Oct. 4, 109.93; Dec. 19, 114.04.

13/30-26G2. M. M. Poe. Dug stock water-table well in glacial-outwash gravel, diameter 72 inches, depth 35 feet. Records available: 1940-50. Apr. 6, 27.73; June 30, 32.54, nearby well pumping; Dec. 19, 27.39.

13/34-4G1. City of Kahlotus. Dug public supply water-table well in gravel deposit in Washtucna Coulee, diameter 48 inches, depth 53 feet. Records available: 1938-50. Apr. 6, 48.15, pumping; June 30, 47.29, pumping; Oct. 5, 46.47, pumping; Dec. 19, 44.52, pumping.

Grant County

## Columbia Basin

18/30-34M1. Andrew and Adeline Cruden. Drilled unused well in basalt, diameter 6 inches, depth 147 feet. Records available: 1943-50. Feb. 10, 103.23; Apr. 7, 103.14; June 30, 102.72; Aug. 10, 102.52; Sept. 19, 102.53; Nov. 27, 102.57; Dec. 19, 102.50.

19/26-34D1. E. B. Cole. Formerly F. H. Bordwell. Drilled unused well in sand, diameter 6 inches, depth 96 feet. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	93.14	Apr. 7	92.66	July 2	93.55	Oct. 16	92.48
Feb. 9	92.96	May 1	92.74	Aug. 8	94.02	Nov. 28	93.15
Mar. 14	92.39	June 2	92.37	Sept. 18	94.25		

19/27-16N1. John H. Dills, Jr. Formerly M. R. Steele. Dug irrigation water-table well in glacial-out wash gravel, diameter 72 inches, depth 77 feet. Records available: 1942-50. Feb. 9, 66.86; Apr. 7, 65.89; Aug. 9, 69.08, pumping; Sept. 20, 68.34, pumping; Nov. 20, 65.95; Dec. 20, 65.99.

19/28-15L1. Mattson and Reisner. Dug irrigation and domestic water-table well in gravel, diameter 48 inches, depth 63 feet. Feb. 11, 56.68; Apr. 7, 57.22; July 3, 57.72; Aug. 12, 60.91; Nov. 29, 57.92; Dec. 20, 57.58. Records available: 1939-50.

20/26-18R1. D. J. Law. Formerly D. J. Miles. Drilled unused well in basalt, diameter 6 inches, depth 178 feet. Records available: 1939-50.

Apr. 8	162.76	July 3	162.88	Sept. 18	162.96	Nov. 28	163.08
26	162.86	Aug. 9	163.02	Oct. 18	163.09	Dec. 17	163.05
June 23	162.93						

21/26-3H1. Sivert Andersen. Drilled domestic and stock well in basalt, diameter 6 inches, depth 190 feet. Records available: 1939-50. Apr. 7, 130.28; July 1, 141.66; Dec. 18, 130.53.

21/28-34A1. Ethel A. Bunnell. Drilled unused well in basalt, diameter 12 inches, depth 118 feet. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 11	94.38	June 5	89.91	Sept. 20	89.33	Nov. 28	89.34
Mar. 20	94.44	July 1	89.69	Oct. 17	89.33	Dec. 18	89.17
Apr. 27	90.67	Aug. 12	89.51				

22/27-30P1. L. C. and E. B. Fretwell. Formerly Woodsie G. Smith. Drilled irrigation well in basalt, diameter 10 inches, depth 304 feet. Records available: 1939-50. Feb. 8, 47.99; Apr. 8, 47.00; July 1, 48.36; Aug. 11, 74.92, pumping; Sept. 20, 54.02, pumping; Nov. 28, 46.46; Dec. 18, 46.34.

22/28-6R1. Charles A. Kennedy. Dug domestic and irrigation water-table well in glacial-outwash gravel, diameter 36 inches, depth 177 feet. Records available: 1939-50. Feb. 8, 170.92; Apr. 8, 153.32; Oct. 2, 153.77.

22/30-18M1. Chris Larsen. Dug unused water-table well in glacial-outwash sand, diameter 24 inches, depth 20 feet. Records available: 1939-50. Feb. 8, 17.12; Apr. 8, 16.88; June 7, 17.22; Oct. 2, 16.73; Dec. 18, 16.73.

#### King County

##### Puget Trough

26/6-13N1. Jacob DeBoer. Drilled domestic and stock well in fluvio-glacial sand, diameter 6 inches, depth 236 feet. Records available: 1941-50. Apr. 25, 38.08; Dec. 22, 36.26.

#### Kitsap County

##### Puget Trough

23/1-2C2. W. A. Hiersch. Dug domestic water-table well in fluvio-glacial sand on rolling upland, diameter 36 inches, depth 60.6 feet. Records available: 1932-50.

Feb. 5	52.50	May 7	46.40	July 13	48.61	Sept. 21	51.38
Mar. 1	51.36	May 10	45.80	31	46.82	Nov. 17	49.79
Apr. 10	47.37	June 9	45.38	Aug. 17	47.07	Dec. 11	50.41

#### Kittitas County

##### Yakima River subprovince

20/15-25Q1. Mr. Ackerlund. Dug domestic water-table well in alluvium of floodplain along Yakima River, diameter 60 inches, depth 10 feet. Records available: 1946-50. Apr. 10, 6.53; Oct. 14, 8.02; Dec. 11, 8.02.

#### Lewis County

##### Cowlitz Basin

11/1W-5H1. Mrs. Joseph Sommer. Dug domestic and stock water-table well in compact, deeply weathered terrace sands, diameter 48 inches, depth 46 feet. Records available: 1942-50. Apr. 27, 38.74; June 26, 38.35; Sept. 20, 39.79; Dec. 6, 32.59.

#### Lincoln County

##### Columbia Plateau

21/38-24G2. Clifford Daweritz. Driven unused water-table well in gravel bar on edge of scabland channel in Cow Creek Valley, diameter 1.5 inches, depth 21.6 feet. Records available: 1946-50. Apr. 7, 5.59; May 28, 8.80; Dec. 15, 15.34.

25/37-14M1. Charles Straub, Sr. Dug unused water-table well in basalt, diameter 48 inches, depth 27 feet. Records available: 1941-50. Jan. 1, 16.12; Apr. 8, 12.73; June 28, 14.48; Oct. 10, 15.94; Dec. 13, 16.88.

Okanogan CountyOkanogan Valley

34/26-26Q1. City of Omak well 1. Dug public supply water-table well in stream gravel of Okanogan River, diameter 144 inches, depth 30 feet. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	11.75	Apr. 2	13.45	July 2	8.48	Oct. 1	13.90
8	11.76	9	13.41	10	10.39	8	13.85
15	12.88	10	10.56	16	11.60	15	13.51
22	13.11	16	13.28	23	11.89	22	13.55
29	13.05	23	13.20	30	12.39	29	13.53
Feb. 5	13.08	30	13.11	Aug. 6	13.00	Nov. 5	13.62
12	13.13	May 7	12.05	13	14.10	12	13.55
19	13.18	14	9.68	20	14.05	19	13.50
26	13.21	21	9.47	27	14.00	26	13.55
Mar. 5	13.22	28	9.06	30	13.95	Dec. 3	13.25
12	13.45	June 4	8.62	Sept. 10	14.09	10	13.27
19	12.90	11	7.77	17	13.98	12	13.19
26	13.40	26	15.12	24	14.05		

a Pumping.

34/26-28A1. Charles Byrd. Dug irrigation water-table well in terrace gravel deposit, diameter 36 inches, depth 43 feet. Records available: 1939-50. Apr. 10, 33.10; June 26, 28.86; Oct. 3, 31.03; Dec. 12, 32.14.

34/26-28P1. Samuel Peterson. Dug irrigation water-table well in terrace gravel deposit, diameter 48 inches, depth 21 feet. Records available: 1939-50. Apr. 10, 13.90; June 26, 11.98; Oct. 2, 11.41; Dec. 12, 13.80.

34/26-35R1. City of Omak well 4. Dug public supply water-table well in coarse alluvial deposit of Okanogan River, diameter 168 inches, depth 37 feet. Records available: 1944-50. Nearby wells being pumped from January to July.

Jan. 1	24.75	Apr. 2	26.18	July 2	20.69	Oct. 1	26.70
8	25.10	9	26.32	9	21.15	8	26.20
15	25.32	16	25.97	16	22.65	16	26.15
22	25.60	23	25.93	23	23.40	23	26.50
29	25.51	30	26.00	30	24.02	29	26.48
Feb. 5	25.44	May 7	26.47	Aug. 6	25.10	Nov. 5	26.52
12	25.40	14	25.95	14	25.90	12	25.90
19	25.28	21	25.08	20	25.92	19	26.00
26	25.27	28	25.00	27	26.03	26	26.10
Mar. 5	25.40	June 4	25.71	Sept. 3	26.20	Dec. 3	26.15
12	25.70	11	23.46	10	26.60	10	26.40
19	25.69	18	20.00	17	27.00	12	26.73
26	25.71	25	19.50	24	27.03		

36/26-13K1. Victor Lesamiz. Dug stock water-table well in fluvio-glacial deposit, diameter 6 inches, depth 49 feet. Records available: 1942-50. Apr. 9, 28.73; June 26, 27.84; Oct. 3, 28.37; Dec. 12, 27.97.

40/27-21K1. American Legion. Dug water-table well in sand and gravel, diameter 48 inches, depth 20.8 feet. Records available: 1947-50.

Feb. 2	18.91	May 23	18.39	Aug. 7	15.67	Oct. 12	16.46
27	19.48	29	17.67	15	15.81	17	16.23
Mar. 4	19.06	June 5	17.42	21	16.10	24	16.40
25	19.10	13	17.01	29	16.14	31	16.61
Apr. 1	19.91	19	16.50	Sept. 7	16.03	Nov. 7	16.93
10	19.68	July 7	16.02	13	16.14	18	17.17
12	19.53	19	16.44	18	16.17	29	17.44
18	19.53	27	15.71	27	16.22	Dec. 12	17.50
24	19.50	31	15.79	Oct. 3	15.91	29	16.30
May 11	19.03						

40/27-27N1. Williams-Zosel Lumber Co. Dug industrial water-table well in alluvial deposit of Okanogan River, diameter 36 inches, depth 11.5 feet. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 20	7.77	May 23	7.36	Aug. 7	7.33	Oct. 12	7.75
27	8.46	29	6.82	15	7.62	17	7.76
Mar. 4	8.15	June 5	6.76	21	7.53	24	7.97
25	8.52	13	5.92	29	7.82	31	7.55
Apr. 1	8.15	19	3.65	Sept. 7	8.06	Nov. 7	7.56
10	8.03	July 7	5.93	13	7.79	18	7.27
12	8.14	19	6.72	18	8.09	29	7.87
18	7.96	22	7.37	27	8.10	Dec. 12	7.53
24	8.11	31	7.35	Oct. 3	7.72	29	8.94
May 11	7.93						

40/27-28A1. Mr. Frix. Drilled water-table well in alluvial deposit of Okanogan River, diameter 8 inches, depth 60 feet. Records available: 1946-50. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 20	5.93	May 23	4.93	Aug. 7	4.51	Oct. 12	4.91
27	6.34	29	4.45	15	4.76	17	4.89
Mar. 4	6.17	June 5	4.31	21	4.97	24	5.05
25	6.32	13	3.55	29	4.99	31	5.12
Apr. 1	6.46	19	2.45	Sept. 7	5.20	Nov. 7	5.20
10	6.37	July 7	3.02	13	5.23	18	5.29
12	6.36	19	3.87	18	5.20	29	5.42
18	6.32	27	4.26	27	5.17	Dec. 12	5.51
24	5.94	31	4.32	Oct. 3	5.05	29	6.44
May 11	5.66						

40/27-28G1. City of Oroville well 1. Dug public supply water-table well in alluvial deposit of Okanogan River, diameter 48 inches, depth 26 feet. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 20	17.16	May 23	16.17	Aug. 7	16.26	Oct. 12	17.12
28	17.45	29	15.67	14	16.60	17	17.05
Mar. 4	17.65	June 5	15.31	21	16.82	24	17.21
25	17.87	13	14.59	29	16.99	31	17.17
Apr. 1	17.95	19	13.35	Sept. 7	17.27	Nov. 7	17.22
10	17.86	July 7	14.11	13	17.41	18	17.25
12	17.85	19	15.34	18	17.45	29	17.26
18	17.80	27	15.93	27	17.38	Dec. 12	17.44
24	17.60	31	15.97	Oct. 3	17.26	29	17.26
May 11	17.17						

40/27-28G2. N. E. Petry. Dug irrigation water-table well in alluvial deposit of Okanogan River, diameter 20 inches, depth 10 feet. Records available: 1946-50. Apr. 10, 9.29. Measurement discontinued.

40/27-33B1. Mr. Christiansen. Dug unused water-table well in alluvial deposit of Okanogan River, diameter 60 inches, depth 13.8 feet. Records available: 1946-50. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 20	10.17	Apr. 1	11.12	Oct. 17	10.69	Nov. 18	10.70
27	11.33	12	11.41	24	10.80	29	10.59
Mar. 4	10.74	18	11.27	31	10.77	Dec. 12	10.40
25	11.03	24	11.08	Nov. 7	10.70	29	11.64

### Pierce County

#### Puget Trough

17/2-16Q3. Measurement discontinued.

17/2-16Q4. James Gonja. Drilled domestic artesian well in sand, diameter 6 inches, depth 115 feet. Records available: 1943-50. Apr. 27, 5.40; June 26, 7.09; Sept. 20, 7.57; Dec. 6, 6.29.

17/2-16Q5. Roy Gonja. Drilled domestic and stock water-table well, diameter 6 inches, depth 96 feet. Well 16Q5, 40 feet north, replaces 16Q3. Records available: 1950. Apr. 27, 24.43; June 26, 30.56, pumping; Sept. 20, 29.94, pumping; Dec. 6, 25.10, pumping.



18/2-34N1. Frank Betchard. Dug domestic water-table well in sand and gravel, diameter 36 inches, depth 15 feet. Records available: 1945-50. Apr. 27, 4.30; June 26, 6.69; Sept. 20, 9.61; Dec. 6, 3.38.

19/2-10F1. Lakewood Water District. Drilled unused water-table well in gravel, diameter 12 inches, depth 173.8 feet. Records available: 1940-50. Apr. 19, 40.32; June 30, 43.49; Sept. 19, 46.33; Dec. 8, 45.48.

19/3-3Q1. D. Stuart, tenant. Dug unused water-table well in gravel, diameter 48 inches, depth 157.5 feet. Records available: 1940-50. Apr. 19, 147.72; June 30, 147.47; Sept. 19, 148.42; Dec. 8, 148.79.

19/4-7A1. Ada Lilja. Dug unused water-table well in cemented gravel, diameter 48 inches, depth 36.6 feet. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	19.98	May 1	17.92	July 24	31.09	Oct. 16	34.56
9	17.78	8	19.95	31	31.81	23	34.68
18	18.34	15	21.05	Aug. 7	32.40	30	34.74
23	13.73	22	22.52	14	32.80	Nov. 8	34.78
30	14.32	29	23.80	21	33.10	13	34.80
Feb. 6	16.48	June 5	24.58	28	33.38	20	34.70
13	15.26	11	25.58	Sept. 4	33.65	27	28.14
21	14.94	18	26.47	12	33.89	Dec. 5	20.18
Apr. 3	14.94	26	27.59	18	34.04	8	17.50
10	16.24	30	28.10	19	34.10	11	17.17
17	17.30	July 3	28.44	25	34.20	18	17.90
19	16.43	10	29.34	Oct. 4	34.38	25	14.41
24	17.04	17	30.25	9	34.47		

20/2-13H1. City of Tacoma well 4-A. Drilled public supply water-table well in sand and gravel, diameter 38 to 26 inches, depth 204 feet. Records available: 1930, 1932, 1934-50.

Apr. 11	12.32	June 1	13.70	Sept. 1	14.90	Oct. 30	14.38
14	12.28	July 3	14.50	Oct. 3	14.80	Dec. 6	15.84
May 11	12.37						

20/2-13J1. City of Tacoma well 6-A. Drilled public supply water-table well in gravel, diameter 38 to 26 inches, depth 179 feet. Records available: 1939-50.

Mar. 3	33.27	June 1	33.60	Sept. 1	35.67	Oct. 30	33.87
Apr. 10	31.28	July 3	35.50	Oct. 3	35.56	Dec. 11	36.02
May 11	32.55						

20/3-18D1. City of Tacoma well 2-A. Drilled public supply water-table well in sand and gravel, diameter 38 to 26 inches, depth 161 feet. Records available: 1930, 1934, 1937-50. Apr. 10, 25.67; May 11, 26.42; June 1, 26.86; July 3, 27.13; Sept. 1, 28.13; Oct. 3, 28.18; Oct. 30, 27.37.

20/3-19P1. City of Tacoma well 1-A. Drilled public supply water-table well in sand and gravel, diameter 38 to 26 inches, depth 305 feet. Records available: 1930, 1932, 1934-50.

Mar. 2	29.90	June 1	30.08	Sept. 1	31.25	Oct. 30	30.72
Apr. 10	28.99	July 3	30.42	Oct. 3	31.15	Dec. 11	29.16
May 8	29.78						

20/3-19P4. City of Tacoma well 11. Drilled unused water-table well in sand and gravel, diameter 14 to 12 inches, depth 240 feet. Records available: 1925-31, 1937-40, 1945-50.

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	32.06	32.90	33.33	.....	33.92	33.87	33.53	.....
2	32.81	.....	32.18	.....	33.27	.....	33.88	33.87	.....	.....
3	.....	.....	32.26	.....	33.31	.....	33.82	33.97	.....	.....
4	.....	.....	32.31	.....	33.28	.....	33.79	33.89	.....	33.51
5	.....	.....	32.23	.....	33.37	.....	33.79	33.83	33.49	33.47
6	.....	.....	.....	.....	33.39	33.89	33.88	33.90	33.50	33.27
7	.....	.....	.....	.....	33.36	33.87	33.88	33.93	33.45	33.17
8	.....	.....	.....	.....	33.35	33.86	33.92	33.80	33.51	33.17
9	.....	.....	33.32	.....	33.37	.....	33.96	33.80	33.53	33.11
10	.....	.....	32.30	.....	33.48	.....	33.91	.....	33.47	32.96

20/3-19P4--Continued.

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	31.86	32.30	33.25	33.47	.....	33.86	.....	33.50	32.92
12	.....	31.84	.....	33.21	.....	.....	33.91	.....	33.51	32.96
13	.....	31.94	.....	33.21	.....	.....	33.93	.....	33.61	32.87
14	.....	31.98	.....	33.19	.....	.....	33.96	.....	33.67	32.83
15	.....	32.00	.....	33.22	.....	.....	.....	.....	33.67	32.97
16	.....	.....	.....	33.21	.....	.....	33.96	33.75	33.51	32.90
17	.....	.....	.....	.....	.....	.....	33.90	33.74	33.47	32.86
18	.....	.....	.....	.....	.....	34.07	33.95	33.81	33.50	32.79
19	.....	.....	.....	.....	.....	33.92	33.97	33.71	33.53	32.80
20	.....	32.18	.....	.....	.....	33.79	33.91	33.73	33.52	32.84
21	.....	32.11	32.92	.....	.....	33.77	33.99	33.72	.....	32.81
22	.....	.....	32.85	.....	.....	.....	.....	33.64	.....	32.79
23	.....	.....	32.86	.....	.....	.....	.....	33.63	.....	.....
24	.....	.....	32.84	.....	.....	34.04	.....	33.59	.....	.....
25	.....	.....	32.80	33.33	.....	33.97	34.22	33.61	.....	.....
26	.....	.....	32.83	33.30	.....	33.88	34.05	33.59	.....	.....
27	.....	32.14	32.84	33.40	.....	33.85	.....	33.59	.....	.....
28	.....	32.22	.....	33.40	.....	33.83	.....	33.53	.....	.....
29	.....	32.23	.....	33.41	33.91	33.87	34.03	33.47	.....	.....
30	.....	32.08	.....	33.44	33.75	33.84	33.96	33.49	.....	32.79
31	.....	.....	32.91	.....	33.77	33.87	.....	33.55	.....	32.74

20/3-30C2. City of Tacoma well 5. Drilled unused water-table well in sand and gravel, diameter 12 to 10 inches, depth 244 feet. Records available: 1908-9, 1925-31, 1937-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 2	35.84	June 1	36.17	Sept. 1	37.28	Oct. 30	36.80
May 11	35.59	July 3	36.52	Oct. 3	37.22	Dec. 11	36.25

20/3-30C4. City of Tacoma well 8-A. Drilled public supply water-table well in gravel, diameter 38 to 26 inches, depth 307 feet. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 2	35.59	June 1	35.67	Sept. 1	36.91	Oct. 30	36.40
Apr. 10	34.76	July 3	36.63	Oct. 3	36.86	Dec. 6	36.19
May 11	35.29						

20/3-30L5. City of Tacoma well 7-A. Drilled public supply water-table well in gravel, diameter 38 to 26 inches, depth 307 feet. Records available: 1939-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 2	19.30	June 1	20.39	Sept. 1	21.06	Oct. 30	20.91
Apr. 10	18.95	July 3	20.78	Oct. 2	21.91	Dec. 6	20.25
May 11	19.54						

20/3-30N1. City of Tacoma well 3-A. Drilled public supply water-table well in gravel, diameter 38 to 26 inches, depth 313 feet. Records available: 1931-50. May 11, 37.03; June 1, 37.83; July 3, 37.36; Sept. 1, 39.61; Oct. 3, 39.10; Dec. 11, 37.76.

20/3-35G1. I. S. Broxson. Dug domestic water-table well in sand and gravel below Vashondrift, diameter 27 inches, depth 185 feet. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	180.57	Apr. 16	178.70	July 9	179.22	Oct. 8	179.89
8	180.59	19	178.63	18	179.30	15	179.99
15	180.62	23	178.66	23	179.37	24	179.97
22	180.66	30	178.62	31	179.44	30	179.98
29	180.65	May 7	178.71	Aug. 6	179.47	Nov. 5	180.05
Feb. 5	180.62	14	178.70	15	179.53	12	180.09
14	180.41	21	178.72	20	179.58	19	180.10
19	180.27	29	178.81	27	179.68	26	180.17
26	180.10	June 6	178.94	Sept. 3	179.68	Dec. 3	180.17
Mar. 7	179.88	11	178.93	10	179.74	8	180.17
15	180.70	19	179.00	17	179.76	11	180.07
19	180.59	25	179.08	19	179.78	17	180.27
26	180.22	30	179.10	24	179.81	26	180.27
Apr. 2	178.97	July 2	179.16	Oct. 1	179.85	31	180.27
11	178.67						

20/4-36H2. Frank Chervenka. Drilled irrigation water-table well, diameter 6 inches, depth 77 feet. Records available: 1938-50. Apr. 19, 4.81; June 30, 18.49, pumping; Sept. 19, 7.03; Dec. 8, 3.73.

### Snohomish County

#### Puget Sound subprovince

27/4-30A2. Don Schaffer. Drilled unused water-table well in Pleistocene sand (pre-Vashon), diameter 5 inches, depth 180 feet. Records available: 1945-50. Apr. 20, 136.91; June 27, 135.90; Sept. 18, 135.74; Dec. 7, 135.95.

28/4-13H1. A. H. Dorr. Dug domestic water-table well in sand and gravel interbedded in Vashon drift, diameter 40 inches, depth 22 feet. Records available: 1945-50. Apr. 20, 5.38; June 27, 7.36; Sept. 18, 10.33; Dec. 7, 4.12.

29/5-2F1. L. Falkner. Dug domestic water-table well in Pleistocene gravel (pre-Vashon), diameter 72 inches, depth 115 feet. Records available: 1944-50. Apr. 20, 109.68; June 27, 110.53; Sept. 18, 111.48; Dec. 7, 111.79.

30/5-22A1. G. Torie. Dug domestic water-table well in outwash sand and gravel of the Vashon drift, diameter 36 inches, depth 42 feet. Records available: 1944-50. Apr. 20, 17.05; June 27, 19.76; Sept. 18, 22.85; Dec. 7, 19.88.

31/5-10J3. J. W. Monigar. Drilled domestic well in Pleistocene sand (pre-Vashon), diameter 6 inches, depth 120 feet. Records available: 1945-50. Apr. 20, 23.49; June 27, 25.55; Sept. 18, 27.94; Dec. 17, 27.79.

32/4-5Q1. Elmer Norgaard. Drilled unused water-table well in sub-till sand and gravel, diameter 6 inches, depth 149 feet. Records available: 1946-50. Apr. 20, 128.17; June 27, 128.11; Sept. 18, 130.70; Dec. 7, 127.66.

### Spokane County

#### Columbia Plateau

24/41-10A1. Delbert Kramer. Drilled domestic and stock well in basalt, diameter 6 inches, depth 185 feet. Records available: 1942-50. Apr. 8, 30.17; June 28, 30.20; Oct. 10, 30.18; Dec. 13, 31.64.

25/41-36R1. J. D. Stark. Dug and drilled stock and irrigation well in basalt, diameter 48 to 6 inches, depth 250 feet. Records available: 1942-50. Apr. 8, 16.47; June 28, 21.48. Measurement discontinued.

### Spokane Valley

25/42-13B1. Empire Cold Storage Co. Washington Water Power Co. well 90. Dug industrial water-table well in fluvioglacial gravel, diameter 41 inches, depth 200 feet. Records available: 1930-50. Mar. 21, 183.61; Apr. 8, 182.60; June 13, 179.17; June 28, 189.46; Oct. 10, 186.72; Dec. 13, 185.97.

25/42-14L1. Riverside Park Cemetery Association. Dug irrigation water-table well in fluvioglacial outwash gravel in Spokane Valley, diameter 72 inches, depth 109.5 feet. Records available: 1941-50.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2	.....	95.72	93.92	.....	88.16	.....	.....	92.43	95.70	.....	96.34	95.16
3	96.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	.....	95.66	93.52	89.21	88.13	.....	.....	.....	.....	.....	96.02	95.00
5	96.28	.....	.....	.....	.....	86.05	.....	93.00	95.75	.....	.....	.....
6	.....	95.61	93.01	89.09	88.16	.....	.....	.....	.....	.....	95.81	.....
7	.....	.....	.....	.....	.....	86.11	.....	.....	96.00	.....	.....	94.93
8	.....	.....	92.34	89.06	.....	.....	.....	.....	.....	.....	95.71	.....
9	.....	95.53	.....	.....	88.28	85.88	.....	93.43	96.17	.....	.....	94.95
10	.....	.....	.....	89.10	.....	.....	.....	.....	.....	97.00	.....	.....
11	96.22	95.43	91.55	.....	.....	.....	.....	93.70	96.16	.....	.....	.....
12	.....	.....	.....	.....	88.49	85.77	.....	.....	.....	96.99	.....	94.85
13	96.24	.....	91.16	89.07	.....	.....	.....	.....	96.36	.....	95.58	94.83
14	96.25	.....	.....	.....	.....	85.89	.....	93.89	.....	96.99	.....	.....
15	.....	95.27	90.88	89.17	88.48	.....	88.49	.....	96.45	.....	.....	.....

## 25/42-14L1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	.....	.....	.....	.....	.....	85.87	.....	94.24	.....	97.01	95.56	94.75
17	96.27	95.20	.....	89.05	.....	.....	88.86	.....	.....	.....	.....	.....
18	.....	.....	90.55	.....	88.32	.....	.....	94.51	96.57	97.04	.....	94.66
19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	96.22	95.06	.....	68.94	.....	85.92	.....	.....	96.77	97.05	95.60	94.52
21	.....	.....	89.93	.....	.....	.....	90.01	94.62	.....	.....	.....	.....
22	.....	94.99	.....	.....	87.35	85.99	.....	.....	96.90	.....	.....	.....
23	96.18	.....	89.59	.....	.....	.....	.....	94.99	.....	96.95	.....	94.17
24	.....	.....	.....	.....	87.21	86.05	.....	.....	.....	.....	95.73	.....
25	.....	94.83	89.30	.....	.....	.....	.....	94.98	96.95	96.86	.....	.....
26	95.95	.....	.....	88.47	.....	86.11	.....	.....	.....	.....	.....	93.36
27	.....	94.52	89.14	.....	87.00	.....	91.58	.....	96.96	96.80	95.55	.....
28	95.95	94.33	.....	88.35	.....	86.33	91.80	95.15	.....	.....	.....	93.28
29	.....	.....	89.10	.....	86.48	.....	91.83	.....	.....	96.79	95.36	.....
30	95.70	.....	.....	.....	.....	86.58	.....	95.43	97.00	96.73	95.27	92.87
31	95.70	.....	89.08	.....	86.29	.....	.....	95.55	.....	96.66	.....	.....

25/43-11G3. City of Spokane well 3. Dug public supply water-table well in fluvio-glacial gravel, diameter 360 inches, depth 41 feet. Records available: 1938-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	25.20	Mar. 20	17.59	May 28	13.62	Aug. 7	26.91
9	25.14	27	17.51	June 5	13.53	14	28.30
16	24.61	Apr. 2	18.18	12	15.34	21	27.92
23	24.30	9	17.42	19	14.95	28	28.40
30	24.53	16	16.80	26	16.10	Sept. 4	28.01
Feb. 6	24.10	23	15.17	July 3	17.80	11	28.22
13	24.40	30	16.74	10	19.82	18	28.90
20	24.53	May 7	17.18	17	26.74	25	28.88
27	21.12	14	15.80	23	26.33	Oct. 9	27.62
Mar. 6	18.72	21	14.61	30	26.41	Dec. 14	23.19
13	19.56						

25/43-11G6. City of Spokane gage well 1. Dug observation water-table well in fluvio-glacial gravel, diameter 30 inches, depth 64 feet. Records available: 1926-50. Apr. 8, 48.36; June 29, 47.81; Oct. 9, 58.32; Dec. 14, 44.28.

25/43-11K1. City of Spokane gage well 2. Dug observation water-table well in fluvio-glacial gravel, diameter 36 to 18 inches, depth 70 feet. Records available: 1929-50. Apr. 8, 58.74; June 29, 57.51; Dec. 14, 64.32.

25/43-14K1. Ohio Match Co. Washington Water Power Co. well 3. Dug industrial water-table well in fluvio-glacial gravel, diameter 41 inches, depth 83 feet. Records available: 1920-50. Mar. 21, 39.39; June 13, 36.85.

25/43-17D1. New Method Laundry. Washington Water Power Co. well 88. Dug industrial water-table well in fluvio-glacial gravel, diameter 30 inches, depth 62.5 feet. Records available: 1928-50. June 13, 41.95; June 28, 42.66, pumping; Oct. 9, 48.64; Dec. 13, 47.28.

25/44-2B1. Trentwood Irrigation District. Washington Water Power Co. well 49. Dug public supply water-table well in fluvio-glacial gravel, diameter 72 inches, depth 127 feet. Records available: 1928-50. Mar. 21, 92.35; June 13, 86.05; Dec. 14, 96.13.

25/44-15E1. Modern Electric Water Co. well 5. Washington Water Power Co. well 15. Dug public supply and irrigation water-table well in fluvio-glacial gravel, diameter 84 inches, depth 146 feet. Records available: 1914-50. Mar. 21, 127.31, pumping; June 13, 122.23, pumping; Oct. 10, 133.17, pumping; Dec. 14, 129.48.

25/44-19D1. Edgecliff Sanitarium. Washington Water Power Co. well 5. Dug public supply water-table well in fluvio-glacial gravel, diameter 60 inches to 29 inches, depth 88 feet. Records available: 1920, 1928-50. Mar. 21, 73.26; June 13, 67.97, pumping; Dec. 14, 77.34.

Records available: 1971-86 Apr 7 8 44 Dec 50 9 58 Dec 15 4 58  
19-89-002, Standard Form 107, Bureau issued with a letter, dated 221547-0-1074510-10

Thurston County

## Puget Trough

15/3W-13D1. L. W. Johnson. Formerly J. T. Hagerty. Drilled domestic water-table well in outwash gravel, diameter 6 inches, depth 51 feet. Records available: 1947-50. Apr. 27, 19.43; June 26, 19.60; Sept. 20, 21.99; Dec. 6, 19.62. Measurement discontinued.

16/1W-19G1. Town of Tenino. Dug unused water-table well in fluvioglacial gravel, diameter 120 inches, depth 42 feet. Records available: 1941-50. Apr. 27, 6.12; June 26, 8.56; Sept. 20, 10.93; Dec. 6, 3.27.

16/3W-29E1. E. J. Poore. Drilled domestic water-table well in sand and gravel, diameter 6 inches, depth 60.7 feet. Records available: 1947-50. Apr. 27, 17.45; June 26, 23.44; Sept. 20, 29.02; Dec. 6, 18.71.

16/3W-29N1. Charles F. Norrie. Drilled unused water-table well in gravel, diameter 6 inches, depth 58 feet. Records available: 1947-50. Apr. 27, 37.26; June 26, 39.14; Sept. 20, 40.84; Dec. 6, 36.56.

Walla-Walla County

## Walla Walla River Basin

6/35-16B1. Claude Winn. Dug and drilled irrigation water-table well in alluvial gravel of Little Walla Walla River, diameter 48 to 8 inches, depth 74 feet. Records available: 1933, 1935-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	3.65	May 17	4.16	Aug. 21	4.59	Oct. 23	2.98
Mar. 15	3.47	June 12	3.63	Sept. 27	3.75	Dec. 20	3.11
Apr. 26	4.52	July 20	4.21				

Whatcom County

## Puget Trough

39/2-25R1. J. W. Elsbree. Dug domestic water-table well in sub-till sand and gravel, diameter 24 inches, depth 57 feet. Records available: 1946-50. Apr. 20, 54.06; Sept. 18, 56.94; Dec. 7, 56.92.

40/1-4J1. City of Blaine. Drilled public supply water-table well in fluvioglacial sand and gravel, diameter 12 inches, depth 746 feet. Records available: 1938-50. Apr. 20, 87.44; Sept. 18, 77.88, pumped recently; Dec. 17, 69.62.

40/3-15E1. Boyd Shea. Formerly City of Lynden. Drilled unused water-table well in sand, diameter 10 inches, depth 68 feet. Records available: 1947-50. Apr. 20, 10.80; June 27, 12.66; Sept. 18, 14.38; Dec. 7, 14.21.

41/1-31Q1. City of Blaine. Drilled unused artesian well in fluvioglacial gravel, diameter 12 inches, depth 247 feet. Records available: 1939-42, 1944-50. Sept. 18, +20.50; Dec. 7, +21.00.

Whitman County

## Palouse River Basin

14/45-4N1. Emory Crawford. Drilled domestic and stock well in basalt, diameter 6 inches, depth 100 feet. Records available: 1932-50. Apr. 7, 52.87; June 29, 53.07; Oct. 6, 54.15; Dec. 15, 55.59, pumping.

14/45-5B1. Washington State College well 1. Drilled public supply well in basalt, diameter 4 inches, depth 145 feet. Records available: 1935-50. Nearby wells being pumped at time of measurements. Apr. 7, 35.95; June 30, 35.98; Oct. 6, 38.20; Dec. 15, 36.77.

14/45-5D2. Standard Lumber Co. Drilled unused well in basalt, diameter 6 inches. Records available: 1933-50. Apr. 7, 8.49; June 30, 9.39; Dec. 15, 9.26.

14/45-11N1. (Listed as 11N2 in previous reports.) U. S. Geol. Survey. Driven observation water-table well in gravel, diameter 1.5 inches, depth 15 feet. Records available: 1934-50. Apr. 2, 2.85; June 30, 4.21; Oct. 6, 6.90; Dec. 15, 5.12.

15/46-20K1. J. D. Carson. Dug unused water-table well, diameter 30 inches, depth 15 feet. Records available: 1934-37, 1939, 1942-50. Apr. 7, 3.43; June 29, 5.39; Oct. 6, 6.43; Dec. 15, 5.34.

18/41-1B1, Inland Empire Milling Co. Drilled unused well in basalt, diameter 6 inches, depth 84 feet. Records available: 1945-50. Apr. 7, 2.35; June 29, 2.44; Oct. 6, 2.53; Dec. 15, 2.38.

18/43-35P1. G. H. Noe. Drilled unused well in basalt, diameter 6 inches, depth 132 feet. Records available: 1940-50. Apr. 7, 6.57; June 29, 10.23; Oct. 6, 12.48; Dec. 15, 9.97.





## WYOMING

By Robert T. Littleton

### Scope of Water-Level Program

The observation-well program in Wyoming was continued in 1950 in cooperation with the State Engineer, the city of Cheyenne, and also as a part of the Missouri Basin program. Measurements were made in 96 wells. Geological Survey Circular 76, Ground-water conditions in the vicinity of Gillette, Wyoming, was issued in October 1950. Geological Survey Circular 80, Reconnaissance of the geology and ground-water hydrology of the Laramie Basin, Wyoming, with special reference to the Laramie and Little Laramie River valleys, was issued in November 1950. Field work was completed in the La Prele area, Converse County; Pass Creek Flats, Carbon County; and the Barthel area, Goshen County. Ground-water studies were continued in Goshen, Fremont, and Johnson Counties.

### Interpretation of Water-Level Fluctuations

In 20 representative wells in the alluvium of the North Platte River valley, Goshen County, water levels fluctuate in response to seasonal irrigation. The sum of the rise and decline was 5.3 feet; the low point occurred in April and the high point in August. In the Cheyenne well field area, Laramie County, there was a net decline of 4.4 feet due to pumpage. Wells along the larger streams in Wyoming fluctuate in response to surface runoff to the streams. Generally, water levels are highest in April or May and lowest in January or February. An exception to the above is the water level in well 35-111-8db, which was highest in August owing to the late seasonal runoff in the upper reaches of the Green River drainage basin; the water level was lowest in March.

### Well-Numbering System

Wells are numbered according to their location within the land subdivisions in the State. With the exception of the Wind River Indian Reservation, Wyoming was surveyed from the sixth principal meridian and base line and lies in the northwest quadrant. The Wind River Indian Reservation lies in Fremont and Hot Springs Counties and was surveyed from the Wind River meridian and base line. Within the Wind River Indian Reservation, well numbers are preceded by a capital letter (A, B, C, or D) which designates the quadrant.

The first segment of a well number indicates the township, the second the range, and the third the section. The letters following indicate the location of the well within the section. The first letter denotes the quarter section, the second the quarter-quarter section, and the third the quarter-quarter-quarter section or 10-acre tract. The letters are assigned in a counter-clockwise direction beginning in the northeast quarter of the section.

### Well Descriptions and Water-Level Measurements (Water levels are in feet below land-surface datum unless otherwise indicated.)

#### Albany County

##### Laramie Basin

14-74-6dac. Monolith Portland Midwest Co. Records available: 1948-50. Jan. 23, 4.09; Mar. 27, 5.57; May 22, 4.92; July 20, 5.65; Sept. 18, 5.86; Nov. 17, 5.38.

14-75-17aac. Ray Moeller. Records available: 1948-50. Jan. 23, 6.17; Mar. 27, 5.75; May 22, 4.36; July 20, 5.11; Sept. 18, 5.98; Nov. 17, 6.17.

14-75-29adb. Oda Mason. Records available: 1948-50. Jan. 23, 5.53; Mar. 27, 4.46; May 22, 3.67; July 20, 4.61; Sept. 18, 4.98; Nov. 17, 4.70.

14-76-4aab. Elwood Hanson. Records available: 1948-50. Jan. 23, 5.24; Mar. 27, 5.76; May 22, 4.28; July 20, 5.26; Sept. 18, 6.19; Nov. 17, 5.87.

14-77-25dcd. Mr. Embree. Records available: 1948-50. Mar. 27, 29.10; May 22, 30.09; July 20, 32.77; Sept. 18, 25.46; Nov. 17, 26.08.

15-74-1aaa. Maurice Laycock. Records available: 1948-50. Jan. 23, 5.74; Mar. 27, 2.61; May 22, 5.39; July 20, 5.71; Sept. 18, 5.43; Nov. 17, 5.28.

16-76-18dbb. Dr. Markley. Records available: 1948-50. Jan. 23, 3.83; Mar. 27, 3.88; May 22, 3.38; July 20, 1.25; Sept. 18, 5.37; Nov. 17, 4.19.

17-75-34cdd. Ralph May. Records available: 1948-50. Jan. 23, 6.22; Mar. 27, 8.34; May 22, 3.63; July 20, 3.59; Sept. 18, 5.02; Nov. 17, 5.58.

### Big Horn County

#### Paintrock area

49-90-1daa1. Owner unknown. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	5.88	Apr. 27	5.11	July 29	2.98	Oct. 30	5.45
Feb. 23	6.22	May 30	3.93	Aug. 31	4.14	Nov. 30	5.88
Mar. 28	8.31	July 6	3.24	Sept. 31	4.87	Dec. 27	5.92

50-92-31bbal. Manderson Hotel (Johnson). Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	9.02	Apr. 27	8.58	Aug. 31	18.04	Nov. 30	9.38
Feb. 23	9.90	May 30	8.05	Sept. 31	14.19	Dec. 27	10.64
Mar. 28	8.92	July 8	8.77	Oct. 30	9.91		

### Campbell County

50-72-20add. State of Wyoming. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	76.79	May 20	77.00	July 28	77.13	Nov. 3	77.28
Feb. 13	76.79	June 9	77.04	Sept. 19	77.23	18	76.86
Apr. 27	76.84	27	77.10	20	77.90	Dec. 13	77.19
May 12	76.91	July 7	77.00	Oct. 12	77.22		

### Crook County

54-64-7bc. S. J. Brimmer. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14	15.42	June 8	14.37	Sept. 19	15.17	Nov. 17	15.28
Apr. 27	14.13	26	14.43	Oct. 11	15.23	Dec. 12	15.22
May 10	14.02	July 26	14.91	Nov. 2	15.20		

### Fremont County

#### Riverton area

A-1-2-3da. E. M. Gorum. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	7.58	Apr. 26	9.10	Aug. 15	7.99	Oct. 31	8.43
Feb. 28	8.86	May 29	8.27	29	8.15	Dec. 6	7.72
Mar. 27	8.99	July 11	7.10	Sept. 28	7.86		

A-1-2-4ad. LeClair Ditch Co. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	11.88	Apr. 26	12.59	Aug. 15	8.56	Oct. 31	10.69
Feb. 28	12.05	May 29	11.81	29	9.06	Dec. 6	11.48
Mar. 27	12.40	July 11	7.76	Sept. 26	9.59		

A-1-2-11aa1. J. D. Deardoff. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	7.25	Apr. 26	8.13	Aug. 15	6.40	Oct. 31	7.50
Feb. 28	7.41	May 29	8.32	29	5.25	Dec. 6	7.37
Mar. 27	7.78	July 11	6.57	Sept. 26	6.47		

## A-1-3-7ad2. H. M. Johnson. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	17.39	Apr. 26	19.57	Aug. 15	13.30	Oct. 31	13.97
Feb. 28	18.34	May 29	19.84	29	10.56	Dec. 6	15.53
Mar. 27	18.98	July 11	16.03	Sept. 26	11.29		

## A-1-3-16cc. Vern Adams. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	18.60	Apr. 26	20.30	Aug. 15	17.35	Oct. 31	16.87
Feb. 28	19.07	May 29	20.80	29	16.28	Dec. 6	17.40
Mar. 27	19.58	July 11	20.28	Sept. 26	15.55		

## A-1-3-27ad. Elmer Farrans. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	6.90	Apr. 26	8.30	Aug. 29	2.06	Oct. 31	6.43
Feb. 28	7.26	May 29	8.85	Sept. 26	5.92	Dec. 6	8.81
Mar. 27	7.72	July 11	7.78				

## A-1-4-15dd1. Pete Belin. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	5.64	Apr. 26	5.97	Aug. 3	4.40	Oct. 31	5.03
31	6.06	May 29	5.33	26	4.87	Dec. 1	5.24
Mar. 3	6.04	July 8	4.83	Sept. 27	4.50	26	5.51
27	5.95						

## A-1-4-17dd1. C. E. Barnes. Records available: 1949-50. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	8.80	Apr. 26	14.45	Aug. 3	4.49	Oct. 31	7.45
31	10.22	May 29	11.40	26	3.91	Dec. 1	8.44
Mar. 3	11.88	July 6	4.86	Sept. 27	5.14	26	9.54
27	13.34						

## A-1-4-28ba1. Leslie Major. Records available: 1949-50. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	14.65	Apr. 26	19.70	Aug. 3	14.65	Oct. 31	13.66
31	16.72	May 29	20.03	26	10.13	Dec. 1	15.43
Mar. 3	17.87	July 6	18.20	Sept. 27	11.63	26	15.40
27	18.71						

## A-1-4-29bd2. City of Riverton. Records available: 1949-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	189.25	Apr. 26	184.35	Aug. 3	192.82	Dec. 1	188.19
Mar. 1	184.83	May 29	186.87	26	193.70	28	187.28
27	170.10	July 6	190.05	Oct. 31	190.50		

## A-1-4-32ad. Charles Bryant. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	3.95	Apr. 26	4.30	Aug. 15	0.88	Oct. 31	1.86
Feb. 24	4.61	May 29	1.80	Sept. 1	2.30	Dec. 1	3.28
Mar. 27	4.62	July 11	1.20	26	1.30		

## A-1-4-35ad. Benito Carrasco. Records available: 1948-50. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 3	7.28	May 29	6.93	Sept. 1	7.06	Dec. 6	7.06
27	7.24	July 8	7.18	27	7.40	26	7.10
Apr. 26	7.08	Aug. 3	7.30	Oct. 31	7.17		

## A-2-2-4dc. Lester Russell. Records available: 1948-50. Measurement discontinued after Aug. 28, 1950.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	6.79	Mar. 27	6.44	May 29	7.14	Aug. 15	4.78
Feb. 28	6.60	Apr. 28	7.04	July 6	5.47	29	4.75

## A-2-2-7ad. C. K. Durant. Records available: 1948-50. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	17.45	Apr. 26	23.37	Aug. 15	12.02	Oct. 30	12.95
Feb. 28	19.45	May 29	20.85	29	11.05	Dec. 6	14.75
Mar. 27	21.26	July 6	16.47	Sept. 25	10.70		

A-2-2-10dd. F. C. Hoffman. Records available: 1943-50. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	5.45	Apr. 26	4.33	Aug. 15	3.90	Oct. 30	5.24
Feb. 28	5.72	May 29	4.18	29	3.85	Dec. 6	5.15
Mar. 27	5.19	July 6	3.59	Sept. 25	4.85		

## Goshute County

19-61-2cdd. City of Lagrange. Records available: 1943, 1949-50.

Feb. 1	17.20	June 21	15.33	Aug. 29	16.01	Oct. 31	15.54
27	17.20	July 21	15.18	Sept. 26	15.97	Nov. 29	14.90
May 30	15.22						

19-61-4cdd. Hugh Stemler. Records available: 1943, 1948-50.

Feb. 1	7.99	May 2	7.53	Aug. 29	7.71	Oct. 31	6.60
27	8.94	30	5.87	Sept. 26	7.64	Nov. 29	6.20
Mar. 29	8.90	July 21	7.43				

19-62-2add. Edward Krohn. Records available: 1943, 1949-50.

Feb. 1	57.65	May 30	57.47	Aug. 29	57.68	Oct. 31	57.63
27	57.62	June 21	57.58	Sept. 26	57.53	Nov. 29	57.62
Mar. 29	57.68	July 21	57.64				

19-62-26dba. F. E. Jones. Records available: 1948-50.

Feb. 1	26.26	May 2	26.63	July 21	26.90	Nov. 3	27.59
27	26.38	30	26.28	Aug. 29	27.65	29	27.66
Mar. 29	26.67	June 21	26.50	Sept. 26	27.72		

20-61-27cdd. Curtis Temple. Records available: 1943, 1949-50.

Feb. 1	29.53	May 2	29.55	July 21	29.65	Oct. 31	30.39
27	29.28	30	28.58	Aug. 29	30.00	Nov. 29	30.15
Mar. 29	29.68	June 21	29.55	Sept. 26	30.18		

24-60-19bad. Frank Graham. Records available: 1948-50.

Feb. 1	13.79	May 30	13.45	July 21	10.19	Oct. 31	13.27
Mar. 29	14.06	June 23	12.38	Aug. 29	11.08	Nov. 29	13.73

24-60-27cdd. Edgar Ginter. Records available: 1948-50.

Feb. 1	18.49	May 1	21.23	Aug. 29	13.83	Oct. 31	15.80
27	19.35	30	20.35	Sept. 26	13.70	Nov. 29	17.12
Mar. 29	20.88	July 21	17.95				

24-61-5cbb. University of Wyoming. Records available: 1948-50.

Jan. 31	23.11	May 2	24.01	July 21	19.89	Sept. 26	19.89
Feb. 27	23.37	30	22.12	Aug. 29	18.99	Nov. 28	22.69
Mar. 30	23.63	June 23	21.02				

24-61-10cdd. St. Joseph Orphanage. Records available: 1948-50.

Feb. 1	20.55	May 1	20.93	July 21	18.74	Oct. 31	19.68
27	20.50	30	20.08	Aug. 29	18.65	Nov. 29	20.09
Mar. 29	20.72	June 23	19.38	Sept. 26	18.71		

24-61-15cdd. Yellowstone Potato Co. Records available: 1948-50.

Jan. 31	11.37	May 1	11.75	Aug. 29	9.40	Oct. 31	14.27
Feb. 27	11.07	June 23	9.39	Sept. 26	9.85	Nov. 29	14.60
Mar. 29	11.65	July 21	8.98				

25-61-28dbc. M. W. Berry. Records available: 1943, 1948-50.

Feb. 1	44.12	May 30	48.63	Aug. 29	42.55	Oct. 31	38.68
27	45.61	June 23	47.04	Sept. 26	38.63	Nov. 29	40.05
Mar. 29	47.09						

## 25-62-4ccd. L. R. Brewer. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	19.81	May 2	23.27	July 21	16.28	Nov. 3	13.16
Feb. 27	21.41	30	21.90	Aug. 30	12.07	28	14.84
Mar. 29	23.57	June 23	19.55	Sept. 26	10.75		

## 25-62-19aac. L. C. Stroud. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	23.68	May 2	25.44	July 21	21.73	Nov. 3	20.68
Feb. 27	24.32	30	25.06	Aug. 29	19.27	28	21.69
Mar. 29	24.92	June 23	23.35	Sept. 26	18.88		

## 25-62-36cad. W. W. Weckwerth. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	6.92	May 2	7.55	Aug. 29	3.89	Nov. 3	6.09
Feb. 27	6.93	30	6.65	Sept. 26	4.67	28	6.45
Mar. 29	7.24						

## 25-63-9ccb. Emery Bright. Records available: 1943, 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	22.72	May 2	23.70	July 21	19.74	Nov. 3	21.11
Feb. 27	23.06	30	23.82	Aug. 29	19.02	28	21.83
Mar. 29	23.32	June 23	20.87	Sept. 26	18.83		

## 25-63-22aab. Greenwald Estate. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	19.25	May 2	19.95	July 21	15.89	Nov. 3	17.58
Feb. 27	19.54	30	18.35	Aug. 29	14.94	28	18.37
Mar. 29	19.69	June 23	17.24	Sept. 26	15.31		

## 26-62-14bba. Arthur Damrow. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	12.45	May 2	12.85	July 21	12.32	Nov. 3	12.35
Feb. 27	12.39	30	12.34	Aug. 29	12.34	28	12.35
Mar. 29	12.40	June 23	12.30	Sept. 26	12.44		

## 26-63-32dac. Joseph Spikner. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27	23.67	May 2	24.07	June 23	21.38	Sept. 26	18.56
Mar. 29	24.12	30	22.95	Aug. 29	18.75	Nov. 28	21.73

## 26-64-8cdb. W. H. McDonald. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	25.10	May 2	22.81	July 21	18.55	Nov. 3	24.56
Feb. 27	25.50	30	22.25	Aug. 29	19.26	28	25.40
Mar. 29	24.58	June 23	20.32	Sept. 26	20.64		

## 26-64-28bbb. National Park Service. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	16.73	May 2	16.74	July 14	15.12	Sept. 27	14.93
Feb. 14	16.57	6	15.65	27	14.93	Oct. 25	16.22
27	16.62	30	15.53	Sept. 4	15.62	Dec. 1	16.76
Mar. 29	16.71	June 23	14.89	18	15.22	20	16.55

## 26-64-29ada. National Park Service. Records available: 1942-43, 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	18.78	May 2	18.83	July 14	17.51	Sept. 27	17.70
Feb. 14	18.73	6	17.65	27	17.71	Oct. 25	18.32
27	18.77	30	17.54	Sept. 4	17.34	Dec. 1	18.28
Mar. 29	18.81	June 23	17.49	18	17.90	20	18.32

## 26-65-11baa. U. S. Bureau of Reclamation. Records available: 1948-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	18.91	May 2	14.67	Aug. 29	13.09	Nov. 3	18.66
Feb. 27	18.57	30	14.06	Sept. 26	15.62	28	18.52
Mar. 29	15.68	July 21	12.19				

Incorrectly listed as 26-65-11acc in previous reports. Measurements for 1948 and 1949 for this well should be: Oct. 1, 1948, 16.30; Nov. 9, 18.29; Dec. 8, 18.80; Mar. 31, 1949, 19.03; May 2, 14.21; June 3, 12.94; July 6, 12.74; Aug. 30, 13.74; Sept. 30, 15.32; Oct. 31, 17.69; Nov. 28, 18.35; Dec. 29, 18.69.

Hot Springs County

## Owl Creek area

A-9-1-36ccc. D. B. Whetstone. Records available: 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	7.99	May 8	7.11	July 28	6.32	Oct. 31	7.39
Feb. 24	7.97	31	7.00	Aug. 30	8.02	Nov. 29	7.61
Mar. 29	7.74	July 5	6.71	Sept. 26	7.69	Dec. 28	7.82

43-96-14bda. Leonard Thorton. Records available: 1946-50.

Jan. 25	27.76	Apr. 28	28.46	July 28	23.12	Oct. 31	26.34
Feb. 24	28.29	May 31	27.43	Aug. 30	24.38	Nov. 29	26.83
Mar. 29	28.65	July 5	22.85	Sept. 26	25.18	Dec. 28	27.32

Laramie County

## Cheyenne area

13-68-3bba. City of Cheyenne. Records available: 1944-50.

Jan. 1	79.96	Apr. 1	79.53	July 2	82.33	Oct. 31	81.66
Feb. 3	80.16	May 2	81.51	30	80.58	Nov. 25	82.07
Mar. 3	77.60	31	79.76	Oct. 10	81.69	Dec. 30	81.76

13-68-4aad. City of Cheyenne. Records available: 1944-50.

Mar. 3	76.53	May 31	76.45	Sept. 4	77.25	Nov. 25	77.80
Apr. 1	76.46	July 2	76.74	Oct. 10	77.35	Dec. 30	77.52
May 2	76.27	30	77.05	31	77.30		

13-68-4acd. City of Cheyenne. Records available: 1944-50.

Jan. 1	100.90	May 2	100.45	July 30	101.36	Oct. 31	101.85
Feb. 3	100.85	31	101.64	Sept. 4	101.55	Nov. 25	102.26
Mar. 3	100.79	July 2	101.10	Oct. 10	102.13	Dec. 30	101.97
Apr. 1	100.65						

13-68-4cbd. City of Cheyenne. Records available: 1945-48, 1950.

Feb. 16	173.20	May 2	172.59	July 30	173.00	Oct. 31	171.55
Mar. 3	172.97	31	172.78	Sept. 4	173.58	Nov. 25	174.03
Apr. 1	172.89	July 2	169.86	Oct. 10	173.83	Dec. 30	172.76

13-68-4dcc. City of Cheyenne. Records available: 1944-48, 1950.

Feb. 16	121.79	May 2	121.14	July 30	121.52	Oct. 31	121.15
Mar. 3	121.50	31	121.40	Sept. 4	121.75	Nov. 25	122.03
Apr. 1	121.48	July 2	122.44	Oct. 10	121.80	Dec. 30	121.74

13-68-14cbd. City of Cheyenne. Records available: 1945-50.

Feb. 3	46.14	Apr. 29	45.28	July 30	45.73	Oct. 31	45.84
11	45.40	May 31	45.60	Sept. 4	46.01	Nov. 25	46.42
Mar. 3	45.55	June 24	45.56	Oct. 10	46.03	Dec. 30	46.25
Apr. 6	45.56	July 16	45.68				

14-68-14cb. City of Cheyenne. Records available: 1941-48, 1950.

Feb. 16	8.63	May 31	8.86	Sept. 4	9.84	Nov. 25	9.20
Apr. 6	8.66	July 4	9.39	Oct. 31	9.74	Dec. 30	9.01
May 2	8.86	30	9.30				

14-68-23ddc. City of Cheyenne. Records available: 1940-47, 1949-50. Jan. 4, 59.45; Feb. 3, 57.44; Mar. 3, 54.63; Apr. 1, 54.39; May 2, 57.48; May 31, 55.75; July 4, 62.69.

14-68-25dda. City of Cheyenne. Records available: 1941-50. Jan. 4, 34.49;  
Feb. 3, 34.33; Mar. 3, 34.40; Apr. 1, 33.85; May 2, 40.09; May 31, 38.11; July 4, 47.72.

14-68-26cbc1. City of Cheyenne. Records available: 1940-50. Feb. 3, 27.99;  
Mar. 3, 27.87; Apr. 1, 27.52; May 2, 32.36; July 4, 32.69.

14-68-27dcc. City of Cheyenne. Records available: 1940, 1942-50.  
Feb. 3, 45.33; Mar. 3, 43.98; Apr. 6, 46.12; Dec. 30, 55.43.

14-68-33abc. City of Cheyenne. Records available: 1947-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 11	120.16	July 4	123.61	Sept. 4	126.16	Nov. 25	127.70
Mar. 3	125.21	30	124.30	Oct. 10	126.58	Dec. 30	126.95
May 31	121.91						

14-68-33dcc. City of Cheyenne. Records available: 1945-48, 1950.

Feb. 15	141.40	May 2	143.20	July 30	142.52	Oct. 31	143.00
Mar. 3	140.78	31	140.65	Sept. 4	142.73	Nov. 25	143.61
Apr. 1	140.56	July 4	140.83	Oct. 10	143.30	Dec. 30	143.48

14-68-34aab. City of Cheyenne. Records available: 1940, 1942-50.  
Feb. 3, 32.92; Mar. 3, 32.13; Apr. 6, 31.80; Dec. 30, 43.90.

14-68-34ddd. City of Cheyenne. Records available: 1944-48, 1950.

Feb. 26	84.92	May 2	87.11	July 30	91.88	Oct. 31	91.96
Mar. 3	84.67	31	85.46	Sept. 4	91.47	Nov. 25	92.34
Apr. 1	84.64	July 2	92.11	Oct. 10	90.85	Dec. 30	91.34

14-68-35cac. City of Cheyenne. Records available: 1945-50.

Jan. 4	75.34	May 2	81.12	July 30	80.05	Oct. 31	84.19
Feb. 3	75.04	31	76.03	Sept. 4	83.45	Nov. 25	84.37
Mar. 3	74.61	June 12	81.37	Oct. 10	83.74	Dec. 30	82.45
Apr. 1	74.62	July 2	82.51				

14-68-36ac. City of Cheyenne. Records available: 1941-50. Jan. 4, 22.07;  
Feb. 3, 21.95; Mar. 3, 21.60; Apr. 1, 21.55; May 31, 28.57; June 24, 34.90; Dec. 30, 39.42.

14-68-36adb. City of Cheyenne. Records available: 1941-50. Jan. 4, 23.38;  
Feb. 3, 23.28; Mar. 3, 23.04; Apr. 1, 22.83; May 31, 25.88; June 24, 31.93; July 30, 28.95.

14-68-36bc. City of Cheyenne. Records available: 1941-50. Jan. 4, 32.29;  
Feb. 3, 32.62; Mar. 3, 30.43; Apr. 1, 17.91; May 31, 23.06; June 24, 27.47.

### Laramie County

#### Egbert-Pine Bluffs-Carpenter area

12-61-3abb. Harry Anderson. Records available: 1945-50.

Jan. 4	31.42	May 3	31.30	July 30	32.33	Nov. 1	31.24
Feb. 6	31.27	31	31.42	Sept. 4	31.53	Dec. 4	31.08
Apr. 2	31.33	June 25	31.46	Oct. 9	31.23		

12-63-3baa. Roy L. Gasurant. Records available: 1942-50.

Jan. 4	42.81	May 3	42.75	July 30	42.85	Nov. 1	43.09
Feb. 6	42.84	31	40.31	Sept. 4	43.04	Dec. 4	43.21
Apr. 2	42.81	June 25	42.75	Oct. 9	43.04		

13-60-31aa. W. T. Young, Jr. Records available: 1940-50.

Jan. 4	36.92	May 3	36.93	July 30	41.52	Nov. 1	38.21
Feb. 6	36.74	31	37.84	Oct. 9	37.54	Dec. 4	36.61
Apr. 2	36.41	June 25	43.54				

## 14-60-5bcc. C. C. Gross. Records available: 1943-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	31.13	Apr. 2	30.54	May 31	31.03	Oct. 9	33.42
Feb. 6	30.96	May 3	30.56	Sept. 4	36.44	Dec. 4	32.27

14-60-11bcc1. J. R. Wilkinson Estate. Records available: 1943-50. Jan. 4, 16.90; Feb. 6, 16.80; Apr. 2, 16.63; May 31, 26.65; June 25, 17.96; Oct. 9, 15.57; Dec. 4, 17.25.

## 14-62-24ad. Union Pacific Railroad. Records available: 1940-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	31.30	Apr. 2	28.08	May 31	28.37	Oct. 9	32.34
Feb. 6	30.10	May 3	28.68	Sept. 4	30.49	Dec. 4	30.49

## 15-60-29bbc. W. T. Young. Records available: 1945-50. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	58.98	May 3	59.06	July 30	60.27	Nov. 1	60.95
Feb. 6	58.68	31	58.83	Sept. 4	60.63	Dec. 4	59.76
Apr. 2	58.23	June 25	59.83	Oct. 9	60.29		

Laramie County

## Horse-Bear Creek area

18-67-28cac. Ernest Nimmo. Records available: 1949-50. Jan. 24, 11.36; Mar. 27, 11.41; May 23, 7.07; July 21, 7.82; Sept. 19, 8.95; Nov. 14, 10.27.

Natrona County

## 29-86-19cc. James Grieves (Dumbell Ranch). Records available: 1942-43, 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	8.97	May 17	8.97	Aug. 3	7.46	Oct. 27	8.02
Feb. 8	9.13	June 21	6.83	Sept. 5	7.56	Nov. 17	8.34
Mar. 21	9.46	July 7	6.27	8	7.43	Dec. 5	8.66
Apr. 14	9.16						

## 29-87-33ca. State of Wyoming. Records available: 1942-43, 1946-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	6.22	June 21	3.00	Aug. 3	4.83	Oct. 27	5.71
Feb. 8	6.23	July 7	3.62	Sept. 5	5.68	Nov. 17	6.02
Apr. 7	6.04	10	3.76	8	5.79	Dec. 5	6.11
May 17	5.54						

Platte County

## Wheatland Flats

23-68-7bcb. Alex Stugart. Records available: 1948-50. Jan. 24, 3.08; Mar. 28, 3.06; May 22, 4.60; July 24, 2.98; Sept. 18, 3.75; Nov. 14, 3.25.

23-68-10ddd. School District. Records available: 1948-50. Jan. 24, 17.61; Mar. 28, 16.60; May 23, 18.57; July 24, 13.84; Sept. 18, 14.55; Nov. 14, 16.81.

23-68-18ccc. K. V. Howe. Records available: 1948-50. Jan. 24, 19.22; Mar. 28, 28.24; May 22, 25.60. Measurement discontinued May 22, 1950.

24-68-6abb. Verne Cook. Records available: 1948-50. Jan. 24, 4.00; Mar. 28, 4.16; May 23, 5.87; July 24, 1.24; Sept. 19, 1.35; Nov. 14, 1.65.

24-68-11ddd. A. F. Bowen. Records available: 1948-50. Jan. 24, 1.32; Mar. 28, 1.62; May 23, 2.67; July 24, 1.07; Sept. 18, 1.54; Nov. 14, 1.97.

24-68-19dcc. Homer Cochran. Records available: 1948-50. Jan. 24, 6.77; Mar. 28, 7.01; May 23, 6.54; July 24, 1.35; Sept. 19, 3.88; Nov. 14, 4.03.

25-67-27bcc. Lester Cobb. Records available: 1948-50. Mar. 28, 90.74; July 24, 88.89; Sept. 19, 90.69; Nov. 14, 89.43.



25-67-31ccc. E. T. Hall. Records available: 1948-50. Jan. 24, 17.59; Mar. 28, 18.87; May 23, 19.52; July 24, 13.11; Sept. 19, 13.64; Nov. 14, 17.51.

25-68-33dcd. Lester Pitts. Records available: 1948-50. Jan. 24, +0.20; Mar. 28, 0.44; May 23, 1.03; July 24, +.13; Sept. 18, +.12; Nov. 14, 0.43.

#### Platte County

##### Glendo area

27-68-20dcb. Steven Willadsen. Records available: 1948-50. Jan. 24, 13.90; Mar. 28, 13.64; May 23, 11.76; July 24, 11.72; Sept. 19, 13.07; Nov. 15, 13.87.

27-68-30acc. M. L. Coleman. Records available: 1948-50. Jan. 24, 9.08; Mar. 28, 10.17; May 23, 10.07; July 24, 7.24; Sept. 19, 9.07; Nov. 15, 9.29.

28-68-27abb. D. W. Brown. Records available: 1949-50. Mar. 28, 30.02; May 23, 27.86; July 24, 29.55; Sept. 19, 29.31; Nov. 15, 28.34.

28-68-27abc. D. W. Brown. Records available: 1949-50. Jan. 24, 3.27; Mar. 28, 3.17; May 23, 3.28; July 24, 3.75; Sept. 19, 3.39; Nov. 15, 3.16.

29-68-21bbb. Clark Coleman. Records available: 1948-50. Jan. 24, 32.45; Mar. 28, 31.47; May 23, 26.65; July 24, 30.11; Sept. 19, 31.12; Nov. 15, 31.47.

29-68-21dad. Hauf Bros. Records available: 1948-50. Jan. 24, 9.84; Mar. 28, 11.89; May 23, 7.76; July 24, 8.90; Sept. 19, 8.35; Nov. 15, 8.40.

#### Sublette County

35-111-8db. Robert Albert. Records available: 1942-50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	28.26	Apr. 26	27.96	June 19	25.89	Sept. 28	23.86
Feb. 7	28.56	May 10	27.15	July 6	24.46	Oct. 18	25.01
Mar. 21	29.08	June 6	26.36	Aug. 30	21.97	Dec. 18	27.06

