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

Part 3. North-Central States

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

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PREFACE

This report was prepared by the Geological Survey in cooperation with the States of Iowa, Kansas, Minnesota, Nebraska, North Dakota, and Wisconsin, and with other agencies, by personnel of the Water Resources Division under the direction of:

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

Part 3. NORTH-CENTRAL STATES

INTRODUCTION

By A. N. Sayre

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

Year	North-eastern (1)	South-eastern (2)	North-central (3)	South-central (4)	North-western (5)	South-western (6)
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	986	987	988	989	990	991
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028
1946	1071	1072	1073	1074	1075	1076
1947	1096	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161
1950	1165	1166	1167	1168	1169	1170
1951	1191	1192	1193	1194	1195	1196
1952	1221	1222	1223	1224	1225	1226
1953	1265	1266	1267	1268	1269	1270
1954	1321	1322	1323	1324	1325	1326
1955	1404	1405	1406	1407	1408	1409

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

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

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

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

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

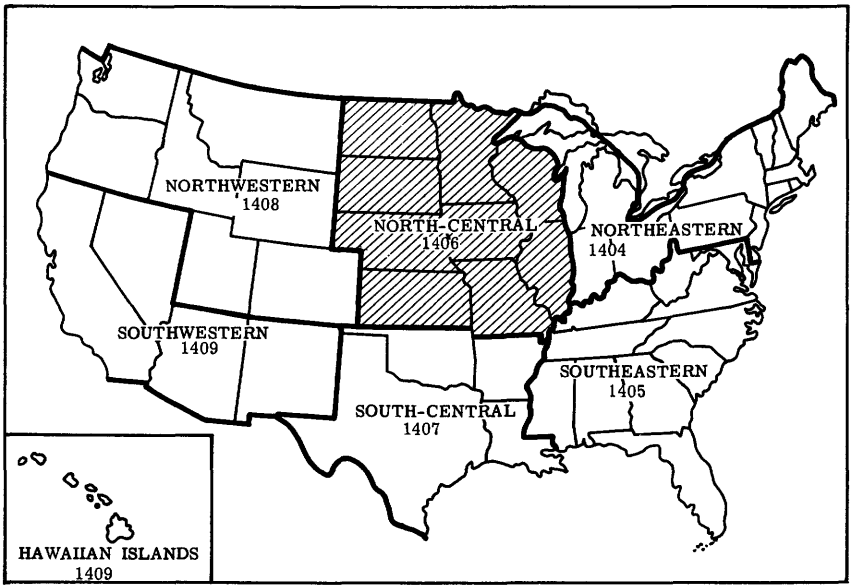

Figure 1.--Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1955. The shaded area indicates the States included in this volume.

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

ILLINOIS

By J. B. Cooper

Scope of Water-Level Program

Measurements of water level were continued in 1955 in the well at Princeton, Bureau County. This well was equipped with a nonrecording gage in November 1942; observations have been made at weekly intervals since that time. In 1948, recording gages were installed on wells at the Argonne National Laboratory in Du Page County. Records of these wells are in altitude above sea level to conform with other data at the laboratory.

Precipitation

In 1955, the precipitation at Tiskilwa, the nearest rainfall station, as obtained from records of the U. S. Weather Bureau, was 30.60 inches, 3.85 inches below the normal of 34.45.

Interpretation of Water-Level Fluctuations

The well at Princeton reflects the natural fluctuation of water level unaffected by pumped wells. Figure 2 shows the fluctuation of the water level during the period of record and the monthly precipitation at the nearest U. S. Weather Bureau station. The water level in 1955, as compared with measurements during the 14-year period of record, was above or near average the first 7 months and below average the last 5 months. The high for the year (4.52 feet) was observed on April 23. From mid-June until the first of October, water levels steadily declined to the low point for the year of 19.04 feet. The range of fluctuation during 1955 was 14.52 feet.

Well Descriptions and Water-Level Measurements

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

Bureau County

16-9E-9N1. R. E. Neff. 326 First St., Princeton. Dug unused water-table well in glacial drift, diameter 32 inches, depth 29 feet, cribbed with brick. Highest water level 2.94 below lsd, May 15, 1943; lowest 21.15 below lsd, Nov. 28, 1953. Records available: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	8.94	Mar. 26	6.93	June 11	8.32	Sept. 17	18.33
8	5.20	Apr. 2	6.73	18	6.43	24	18.91
15	6.52	9	7.08	25	7.64	Oct. 1	19.04
22	7.62	16	6.32	July 2	9.03	8	16.91
29	8.52	23	4.52	9	10.33	15	17.54
Feb. 5	7.18	30	5.82	30	12.88	22	18.72
12	9.37	May 7	6.34	Aug. 6	13.62	29	18.14
19	7.33	14	6.94	13	14.44	Nov. 5	17.02
26	7.38	21	7.99	20	15.54	12	17.94
Mar. 5	6.33	28	8.44	26	16.51	19	18.32
12	7.02	June 4	8.91	Sept. 3	16.61	26	18.41
18	7.44						

Du Page County

ANL 9. Argonne National Laboratory. NW¼SW¼ sec. 9, T. 37 N., R. 11 E. Drilled observation well in Niagara dolomite, diameter 4 inches, depth 140 feet, cased to 90. Land-surface datum is 733 feet above msl. Highest water level 644.03 above msl, May 27, 1951; lowest 640.17 above msl, Mar. 16, 1954. Records available: 1948-55.

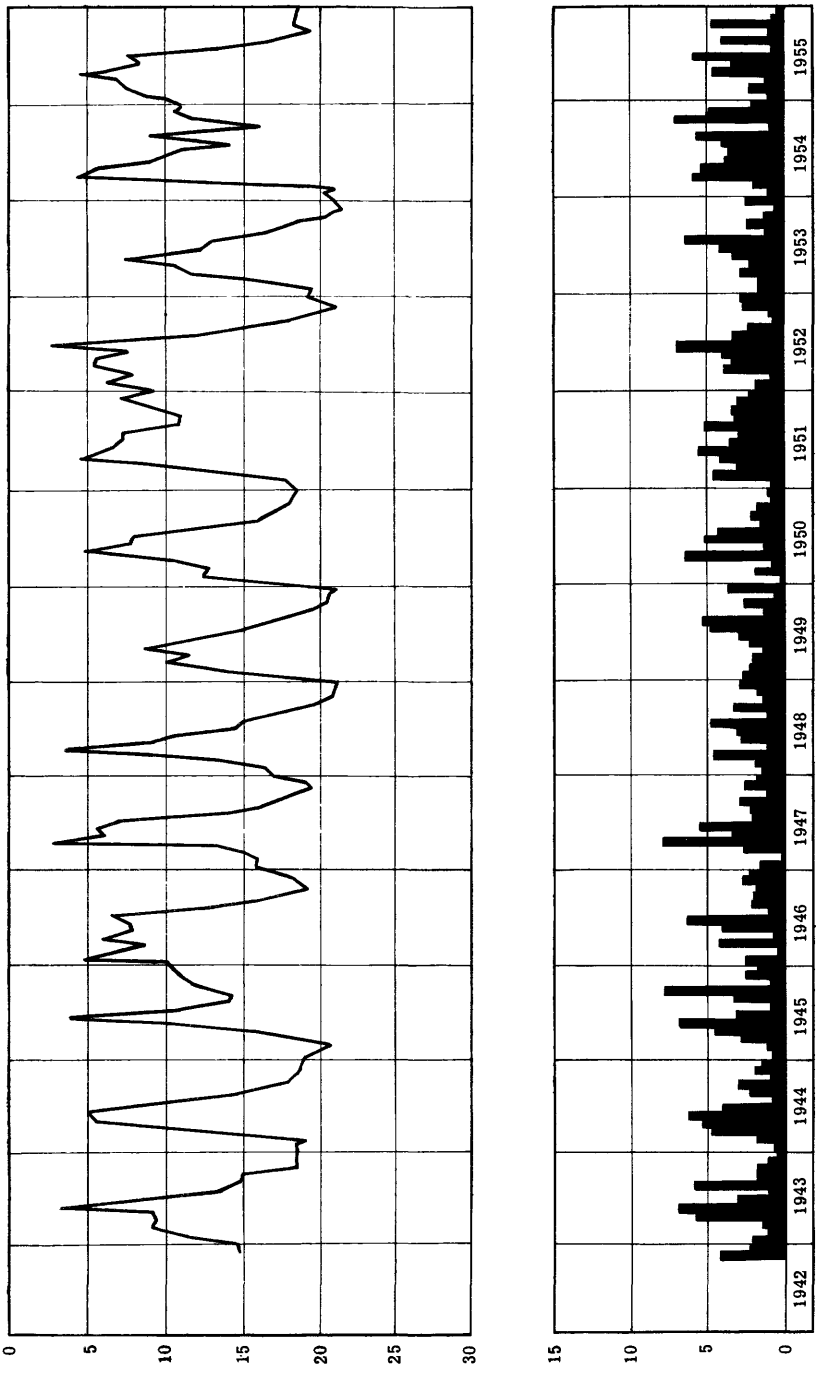

Figure 2.--Water level in well 16-9E-9N1 at Princeton, Ill., and monthly precipitation at Tiskilwa, 1942-55.

ANL 9--Continued.

Daily lowest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	641.46	.....	641.76	642.07	641.91	641.67	642.20	641.55	641.13	640.75	640.88	.....
2	641.21	.....	641.55	642.18	642.02	641.71	642.10	641.59	641.11	640.77	640.83	.....
3	641.30	.....	641.75	642.13	641.99	641.78	642.07	641.65	641.12	640.78	640.69	.....
4	641.39	.....	641.71	642.05	641.96	641.94	642.07	641.60	641.16	640.83	640.63	.....
5	641.58	641.66	641.68	642.14	641.93	642.10	642.11	641.59	641.12	640.86	640.64	.....
6	641.36	641.69	641.69	642.10	641.91	642.22	642.12	641.65	641.15	640.93	640.83	.....
7	641.44	641.66	.....	641.93	642.03	642.29	.....	641.64	641.10	640.90	640.79	.....
8	641.55	641.69	.....	641.91	641.82	642.24	642.06	641.62	641.08	640.81	640.73	.....
9	641.61	641.74	.....	641.87	641.78	642.17	641.94	641.59	641.15	640.81	640.73	.....
10	641.60	.....	.....	641.91	641.76	642.18	641.88	641.56	641.08	640.84	640.99	.....
11	641.59	.....	.....	642.04	641.73	642.40	641.83	641.50	641.02	640.85	640.86	.....
12	641.52	.....	641.92	642.10	641.74	642.31	641.78	641.51	641.00	640.97	640.81	.....
13	641.41	.....	641.82	642.18	641.75	642.27	641.82	641.50	640.98	640.99	640.75	.....
14	641.41	641.42	641.90	642.12	641.68	642.17	641.90	641.51	641.13	641.05	640.66	.....
15	.....	641.43	642.07	642.03	641.66	642.12	642.02	641.47	641.11	641.11	640.66	.....
16	.....	641.29	641.85	642.02	641.70	642.12	641.93	641.50	641.04	641.17	640.67	.....
17	.....	641.25	641.84	641.90	641.65	642.16	641.84	641.50	640.99	641.28	640.45	.....
18	.....	641.26	642.06	642.00	641.70	642.20	641.74	641.42	640.99	641.04	.....	.....
19	.....	641.39	642.11	642.07	641.76	642.30	641.67	641.40	641.08	640.96	.....	.....
20	.....	641.46	642.18	642.15	641.72	642.35	641.63	641.42	641.04	640.94	.....	.....
21	.....	641.43	642.57	642.15	641.72	642.34	641.64	641.44	641.04	640.73	.....	640.50
22	641.43	641.43	642.44	642.25	641.82	642.34	641.67	640.98	640.95	640.73	.....	640.84
23	641.40	641.37	642.43	642.32	641.78	642.34	641.67	640.84	640.92	640.86	.....	.....
24	641.43	641.27	642.28	642.58	641.76	642.28	641.66	640.87	640.78	640.86	.....	.....
25	641.23	641.28	642.28	642.15	641.63	642.25	641.67	640.98	640.72	640.86	.....	.....
26	641.09	641.46	642.11	642.11	641.65	642.22	641.63	641.04	640.72	641.00	.....	.....
27	.....	641.61	642.07	642.13	641.73	642.15	641.60	641.12	640.90	641.01	.....	.....
28	.....	641.67	642.10	642.06	641.73	642.13	641.57	641.17	640.84	641.03	.....	.....
29	.....		642.04	641.84	641.83	642.18	641.59	641.27	640.91	641.20	.....	.....
30	.....		641.99	641.76	641.77	642.23	641.59	641.27	640.80	641.14	.....	.....
31	.....		642.05		641.71		641.54	641.19		640.99		.....

ANL 10. Argonne National Laboratory. SE¼NE¼ sec. 9, T. 37 N., R. 11 E. Drilled observation well in Niagara dolomite, diameter 10 inches, reported depth 186 feet, cased to 86. Land-surface datum is 702 feet above msl. Highest water level 647.21 above msl, May 8, 1950; lowest 632.11 above msl, Feb. 22, 1954. Records available: 1948-55.

Daily lowest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	636.42	636.16	634.99	636.78	637.34	635.04	634.48	635.90	.....	634.90	634.52	634.31
2	636.44	636.14	.....	637.38	635.90	635.25	634.88	636.60	.....	635.98	634.32	634.43
3	635.60	634.83	.....	637.51	635.70	634.84	634.37	636.48	636.71	634.79	634.30	634.43
4	635.51	635.80	634.18	637.00	635.10	636.00	634.41	632.70	636.80	634.64	634.28	634.18
5	635.84	636.38	635.13	636.58	635.08	636.35	634.01	637.30	636.85	634.75	634.44	634.18
6	635.59	636.38	636.22	636.81	636.40	635.18	634.20	.....	636.80	634.60	634.86	635.05
7	635.05	635.48	636.51	637.37	636.60	635.45	634.12	.....	636.34	634.30	635.00	634.34
8	635.75	635.16	635.07	636.23	636.90	635.50	634.11	.....	636.38	634.45	635.46	634.30
9	638.02	634.87	635.05	636.54	635.80	635.39	633.44	.....	636.24	634.63	635.47	634.05
10	636.73	634.47	635.63	636.65	636.48	636.13	634.32	.....	636.16	634.83	634.85	634.05
11	636.40	634.40	635.50	636.52	635.40	637.25	633.81	.....	636.16	634.95	634.67	634.35
12	636.40	634.90	636.43	636.35	635.66	637.34	634.85	.....	636.88	634.84	635.23	634.16
13	636.21	635.24	636.40	637.87	635.00	636.35	635.32	.....	636.30	634.80	635.43	634.24
14	636.22	634.09	635.62	638.50	636.07	635.43	635.19	.....	636.32	634.58	634.60	634.27
15	636.81	634.38	635.38	638.44	636.47	635.57	634.64	.....	636.52	634.74	.....	634.07
16	637.00	634.08	637.62	638.40	635.34	635.75	634.68	.....	636.70	634.87	.....	634.00
17	636.45	633.89	637.63	637.90	636.13	634.84	634.77	.....	635.75	634.76	.....	634.45
18	636.32	634.60	639.62	637.53	634.95	635.21	634.05	.....	635.75	634.74	.....	634.39
19	636.14	635.55	640.31	637.48	634.90	635.52	633.89	.....	635.40	634.74	634.27	634.34
20	636.25	635.87	641.44	637.29	634.84	634.95	633.39	.....	635.13	634.35	634.73	634.24
21	636.60	635.19	642.56	637.60	634.84	634.95	633.55	.....	635.28	634.33	634.70	634.24
22	636.59	634.54	643.36	638.31	635.55	634.63	633.03	.....	635.27	634.40	635.25	634.40
23	637.00	634.49	643.36	638.06	634.61	634.95	633.03	.....	634.97	634.67	634.51	634.40
24	637.00	634.10	640.65	638.75	634.43	634.95	633.77	.....	635.96	634.92	635.07	634.79
25	.....	634.34	638.47	637.60	634.41	634.85	634.10	.....	635.40	634.92	635.15	634.72
26	.....	635.40	638.47	637.55	634.37	636.18	634.20	.....	635.20	634.92	635.17	634.96
27	.....	636.20	638.84	637.42	634.49	634.95	634.89	.....	635.67	634.92	635.60	634.59
28	.....	636.75	638.10	637.12	634.49	634.92	634.90	.....	635.07	634.92	634.68	634.38
29	.....		637.20	635.41	636.23	634.81	634.35	.....	635.37	635.33	634.38	634.15
30	.....		636.25	636.10	637.05	634.63	635.38	.....	634.77	635.50	634.31	634.15
31	636.53		635.99		635.35		635.79	.....		634.54		634.39

ANL 11. Argonne National Laboratory. SW¼SE¼ sec. 4, T. 37 N., R. 11 E. Drilled observation well in Niagara dolomite, diameter 4 inches, depth 141 feet. Land-surface datum is 716 feet above msl. Highest water level 648.83 above msl, May 15, 1950; lowest 634.16 above msl, Aug. 23, 1955. Records available: 1948-55.

Daily lowest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	639.93	640.19	.....	642.31	641.69	640.63	640.45	640.47	640.57	639.11	638.88	638.80
2	640.00	640.04	640.42	641.99	641.21	639.87	640.58	640.75	640.43	639.52	638.74	638.77
3	639.73	639.43	640.42	642.11	641.17	640.53	640.24	640.85	640.33	639.18	.....	638.77
4	639.60	639.80	640.11	641.99	640.91	640.76	640.21	636.64	640.38	639.09	.....	638.63
5	639.71	640.12	640.17	641.75	640.83	.....	640.25	640.47	640.41	.....	.....	638.63
6	639.64	640.30	640.81	641.76	641.33	640.92	640.25	640.78	640.41	.....	.....	639.01
7	.....	639.85	641.21	641.50	641.98	640.93	640.25	640.68	640.17	638.91	639.17	638.83
8	.....	639.68	640.75	.....	641.90	640.99	639.74	640.23	640.17	638.88	639.36	638.79
9	640.89	639.50	640.75	642.67	641.59	640.91	639.69	637.37	640.17	638.95	639.37	638.52
10	640.45	639.10	640.84	642.82	641.11	641.19	640.07	639.66	640.01	639.09	639.30	638.52
11	640.27	639.05	640.77	642.96	641.35	641.88	639.80	639.38	639.96	639.20	639.02	638.56
12	640.27	639.59	640.94	642.83	641.42	642.02	640.13	639.41	640.26	639.21	639.17	638.51
13	640.19	639.73	641.11	643.45	640.85	641.65	640.40	639.41	640.07	639.19	639.23	638.54
14	640.18	639.71	641.05	.....	641.01	641.25	640.54	639.49	640.14	639.08	638.89	638.52
15	640.53	639.85	640.86	.....	641.21	641.25	639.94	639.29	639.75	639.08	638.95	638.52
16	640.58	639.71	641.66	642.06	640.95	.....	639.85	639.14	639.77	639.60	.....	638.50
17	640.27	639.47	641.81	641.76	641.04	640.97	639.84	639.01	639.74	639.20	.....	638.67
18	640.16	639.55	642.58	641.76	640.72	641.03	639.47	638.63	639.74	639.02	.....	638.53
19	640.02	640.15	643.06	641.79	640.59	641.16	639.32	636.41	639.65	639.02	638.45	638.47
20	640.02	640.46	643.66	641.66	640.54	640.98	638.97	638.69	639.47	638.83	638.63	638.47
21	640.46	640.40	644.47	641.74	640.49	640.98	638.99	638.87	639.48	638.71	.....	638.49
22	640.46	640.07	645.01	642.47	640.99	640.82	638.87	634.19	639.47	638.71	.....	638.69
23	640.46	640.04	645.01	642.99	640.36	640.85	639.15	634.16	639.17	638.91	.....	638.84
24	640.65	639.43	644.00	643.41	640.27	640.88	639.46	636.56	639.16	639.00	.....	638.90
25	640.15	640.33	643.59	642.67	640.27	640.90	639.77	639.42	639.22	639.00	.....	638.75
26	640.11	640.37	643.32	642.65	640.32	641.18	639.64	639.94	639.19	639.02	.....	638.93
27	640.08	.....	643.34	642.45	640.29	641.74	639.64	640.12	639.49	638.85	.....	638.71
28	640.21	.....	643.09	642.29	640.29	641.77	639.71	640.36	639.19	638.87	.....	638.72
29	640.21		642.68	.....	640.99	641.70	639.84	640.46	639.31	639.41	.....	638.48
30	640.61		642.24	.....	.....	641.57	640.08	640.85	639.11	639.44	.....	638.48
31	640.51		642.22		640.77		640.33	640.83		638.92		638.60

ANL 20. Argonne National Laboratory. SE¼NW¼ sec. 10, T. 37 N., R. 11 E. Drilled observation well in Niagara dolomite, diameter 6 inches, depth 168 feet, cased to 160. Land-surface datum is 663 feet above msl. Highest water level 641.86 above msl, Mar. 24, 1955; lowest 624.64 above msl, Dec. 16, 1954. Records available: 1952-55.

Daily lowest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	628.57	628.93	.....	.....	630.84	628.20	627.27	.....	630.69	627.77	627.85	628.23
2	628.87	628.89	.....	.....	629.71	628.42	627.47	.....	630.29	628.15	627.67	628.37
3	627.67	628.83	.....	632.75	629.47	627.85	627.31	.....	630.24	627.47	627.95	629.09
4	627.46	628.79	.....	631.56	628.91	628.27	627.34	.....	630.78	627.37	628.13	628.49
5	627.80	629.35	627.79	630.80	628.91	628.59	626.86	.....	630.45	627.33	628.28	628.43
6	627.59	629.71	629.44	631.07	628.41	628.79	626.91	630.69	630.37	626.77	628.73	628.35
7	626.61	628.25	630.73	630.79	629.08	628.82	626.74	.....	629.69	626.75	628.64	628.15
8	627.61	627.63	.....	.....	629.72	628.85	625.97	.....	630.06	627.31	628.39	628.07
9	630.20	627.01	.....	631.25	629.59	628.87	625.92	.....	629.34	627.79	628.21	.....
10	629.01	626.55	.....	631.32	629.34	.....	626.58	.....	629.21	627.83	627.99	627.13
11	628.55	626.21	.....	631.02	628.86	629.37	626.56	.....	629.93	627.70	627.71	627.71
12	628.55	627.39	628.59	630.70	628.90	630.31	627.79	628.20	630.15	627.45	627.75	628.13
13	628.31	628.19	628.78	632.55	628.42	.....	628.84	628.20	629.65	627.31	627.95	628.13
14	628.32	627.46	628.15	.....	628.75	.....	628.94	628.43	629.57	627.10	627.85	627.33
15	629.16	627.75	627.77	.....	629.47	.....	628.02	628.10	628.43	627.23	627.65	627.33
16	629.95	627.54	631.77	633.11	628.93	.....	627.93	627.68	628.67	627.89	627.65	627.34
17	628.99	627.47	631.98	632.41	629.08	.....	627.95	627.42	628.57	627.61	627.24	628.00
18	628.71	628.25	.....	631.50	628.34	628.18	627.16	626.67	628.52	627.71	627.49	628.30
19	628.47	628.53	636.66	631.49	628.22	628.65	626.89	.....	628.07	627.85	627.69	628.53
20	628.60	629.01	638.75	630.61	628.13	627.90	626.24	626.89	627.68	627.24	628.21	628.54
21	628.95	629.57	640.41	631.61	628.03	627.90	626.29	626.81	627.84	627.01	627.94	628.48
22	628.93	629.17	641.51	632.16	628.73	627.45	625.57	625.13	627.84	627.87	627.94	628.02
23	629.77	628.14	641.51	631.71	627.72	627.78	625.57	624.73	627.38	628.17	627.63	628.12
24	629.56	627.51	.....	632.81	627.39	627.89	626.16	625.23	627.38	628.08	627.55	628.46
25	629.54	627.72	632.37	631.18	627.35	627.28	626.49	625.72	628.17	627.95	627.66	628.79

ANL 20--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	629.77	628.41	632.38	631.15	.....	628.23	627.37	626.41	628.29	627.67	627.66	629.15
27	.....	629.54	632.47	.....	627.35	627.86	627.94	627.25	628.47	627.06	628.10	.....
28	.....	630.48	632.14	.....	627.35	627.88	628.38	628.27	627.89	627.06	628.30	.....
29	.....		.....	629.17	628.62	627.63	629.07	629.21	628.01	627.31	628.58	.....
30	.....		630.49	629.40	630.01	627.28	629.43	629.44	627.65	627.56	628.01	.....
31	629.39		630.77		628.71		630.11	630.54		627.97		628.52

IOWA

By J. B. Cooper and W. L. Steinhilber

Scope of Water-Level Program

The observation-well program in Iowa was continued in 1955 in cooperation with the State Geological Survey. Measurements were made in 129 wells, 15 of which were equipped with recording gages. Figure 3 shows the location of observation wells in 35 counties. The shallow observation wells in the Tarkio Creek valley area of southwestern Iowa and northwestern Missouri, including parts of Montgomery and Page Counties, Iowa, and Atchison County, Missouri, constitute a unit in the Iowa program. Measurements are made in 17 wells in Page County and in 5 wells in Montgomery County. Records of wells in the Missouri part of the area are given on pages 118-120.

Precipitation

The average total precipitation over the State in 1955, as reported by the U. S. Weather Bureau, was 22.77 inches, 8.61 inches below normal. The year 1955 was one of the driest of record. Only 2 years have been drier: 1910, with a total of 19.89 inches, and 1894, with a total of 21.94 inches. The annual precipitation pattern, across the State, shows a southeast to northwest gradient of decreasing amounts. In the southeast, annual precipitation was about 6 inches below normal; in the northwest, almost 10 inches below normal. February and April were the only months during which precipitation was greater than normal. March was the driest since 1930; June, since 1936; August, since 1947; November, since 1914; and December, since 1929.

Interpretation of Water-Level Fluctuations

Seventy-five of the 129 observation wells in Iowa are shallow wells in rural areas. The water levels, unaffected by pumping from other wells, reflect natural changes of ground water in storage. These shallow wells tap water in sand and gravel beds near the base of the glacial drift, in sandy horizons within the drift or near the base of the loess cover, and in alluvial deposits of sand and gravel along stream valleys. Water levels in these aquifers at the beginning of 1955 were well above average in most sections of the State, as a result of heavy rainfall during the summer and early fall of 1954. Near-normal precipitation in the first 4 months of 1955 caused a rise in water levels; in most wells the high for the year was reached in March. Below-normal precipitation was recorded in each month from May through December. Water levels began a downward trend at the start of the growing season and lowered rapidly in all shallow wells. New low levels for the period of record were observed in a number of wells during the fall and winter.

Water-level fluctuations in Page County well 68-38-7N1, shown in figure 4, reflect the relation between the amount of precipitation and the depth to water in the wells in the Tarkio Creek valley area of southwestern Iowa. The well was selected because of its 22-year record of measurement and its location away from pumping influences. Monthly precipitation at Shenandoah is also shown on the graph.

Figure 5 shows the fluctuation of the water level during the 13-year period of record in Webster County well 87-28-29N1, a shallow unused well near Harcourt. This well is representative of several shallow observation wells and many domestic farm wells that tap water in the glacial drift. The monthly precipitation at Fort Dodge, shown also on the graph, correlates closely with the fluctuations of water level.

Figure 6 shows the variation in the depth to the water table in Linn County well 84-6-20N1, an observation well tapping water in glacial drift. Close correlation between precipitation, as recorded at the U. S. Weather Bureau station in Cedar Rapids, and the water-level fluctuations in this well is evident.

Water-level measurements were made in about 50 wells which penetrate the deep rock artesian aquifers beneath the glacial drift. In various sections of the State, the wells tap water contained in formations of Cambrian, Ordovician, Silurian, Devonian, Mississippian, Pennsylvanian and Cretaceous age. Most of these wells are in municipal well fields or in areas of heavy withdrawal of ground water for industrial use. Measurements of water level are indicative

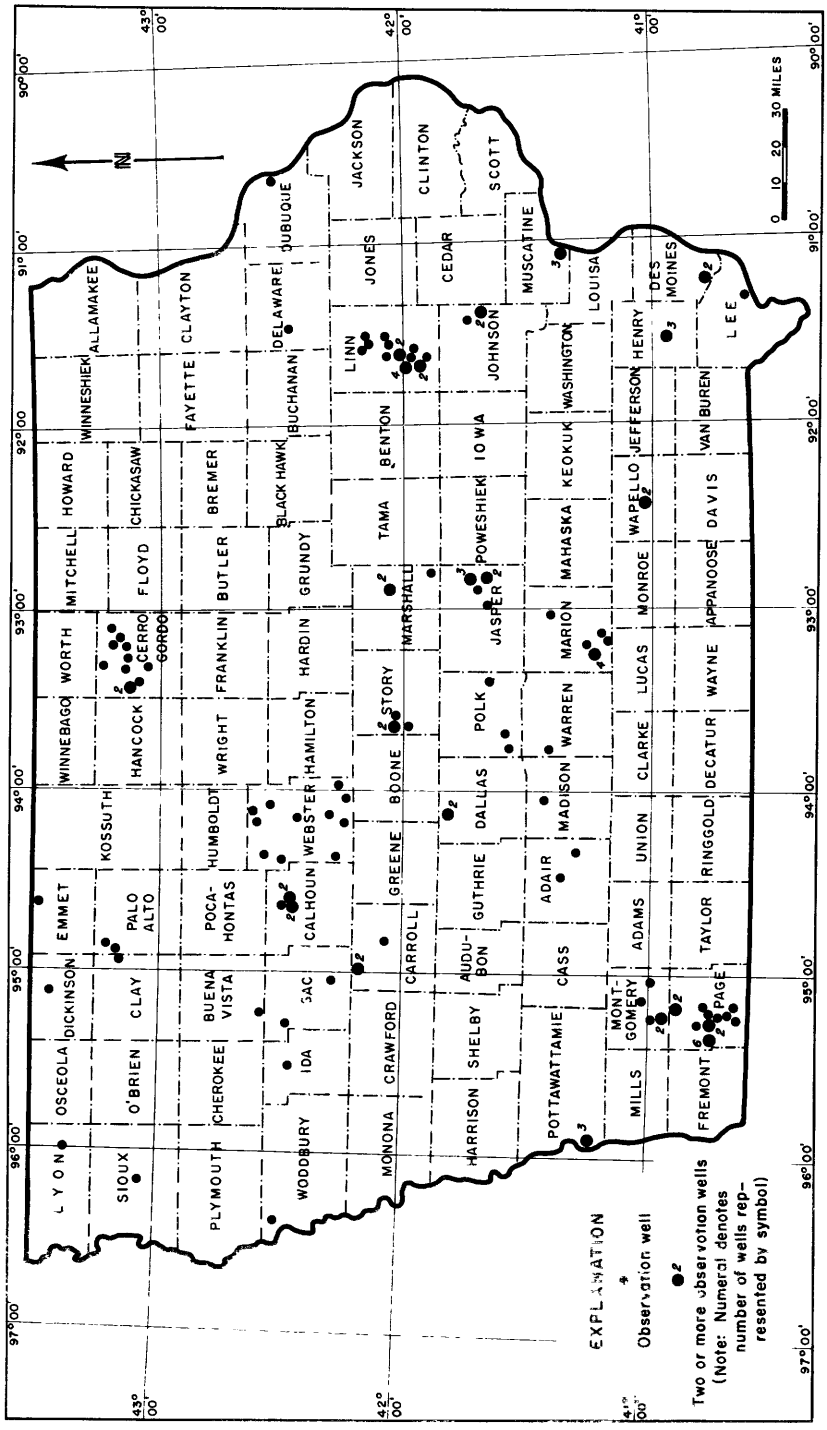

Figure 3. --Location of observation wells in Iowa, 1955.

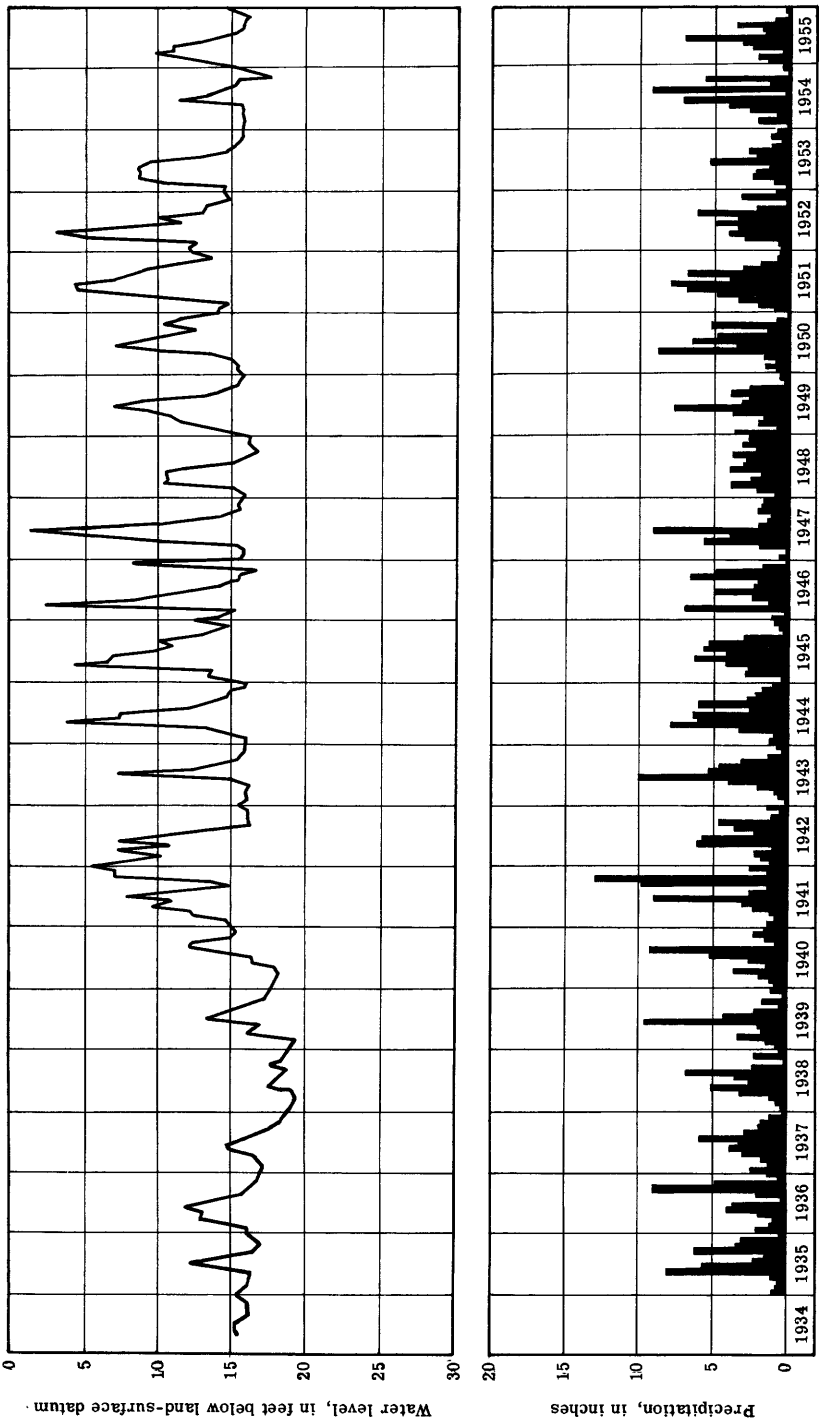

Figure 4.--Water level in well 68-38-7N1 and monthly precipitation at Shenandoah, Tarkio Creek Valley, Iowa-Missouri, 1934-55.

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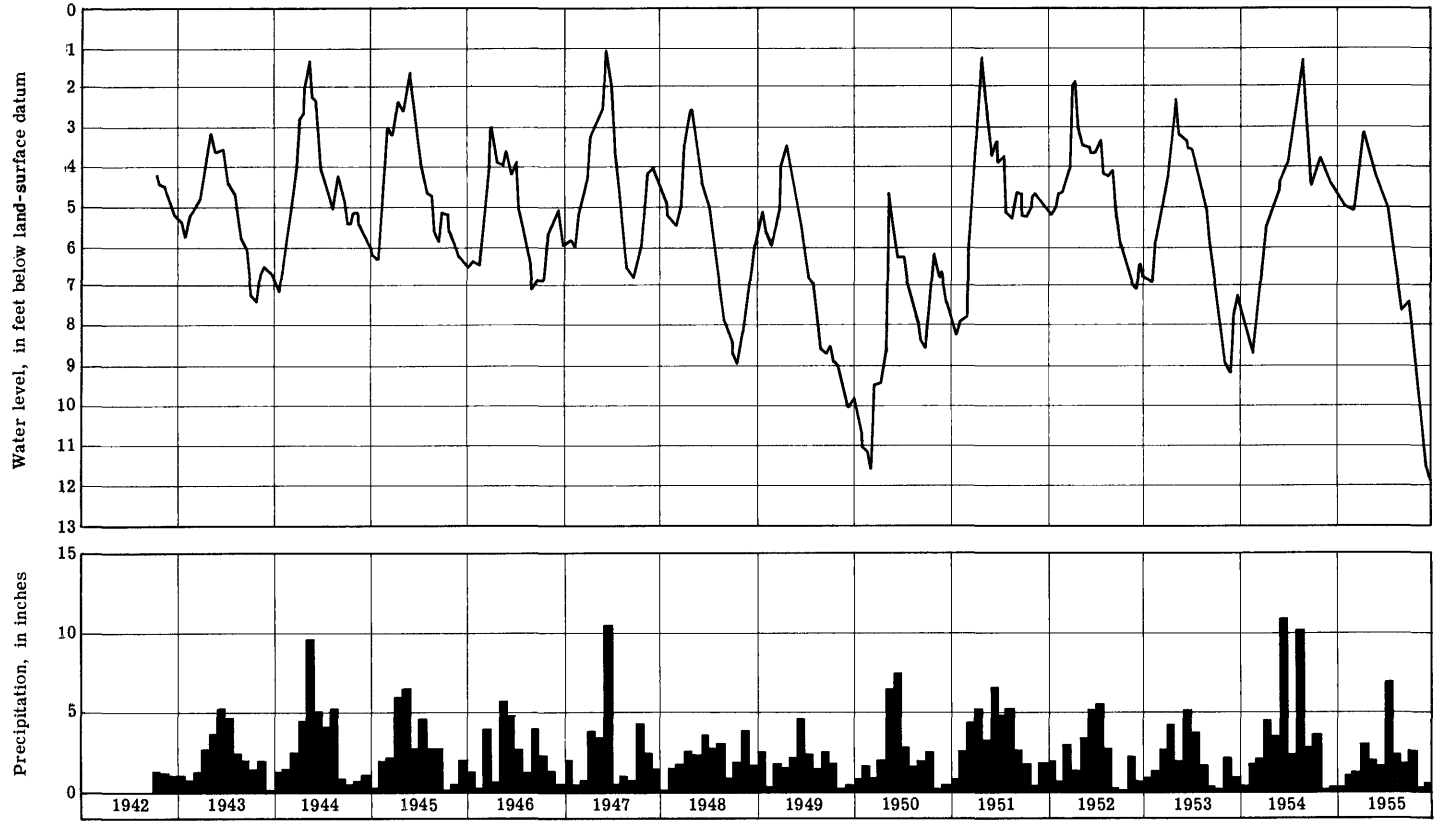

Figure 5. --Water level in well 87-28-29N1 near Harcourt and monthly precipitation at Fort Dodge, Iowa, 1942-55.

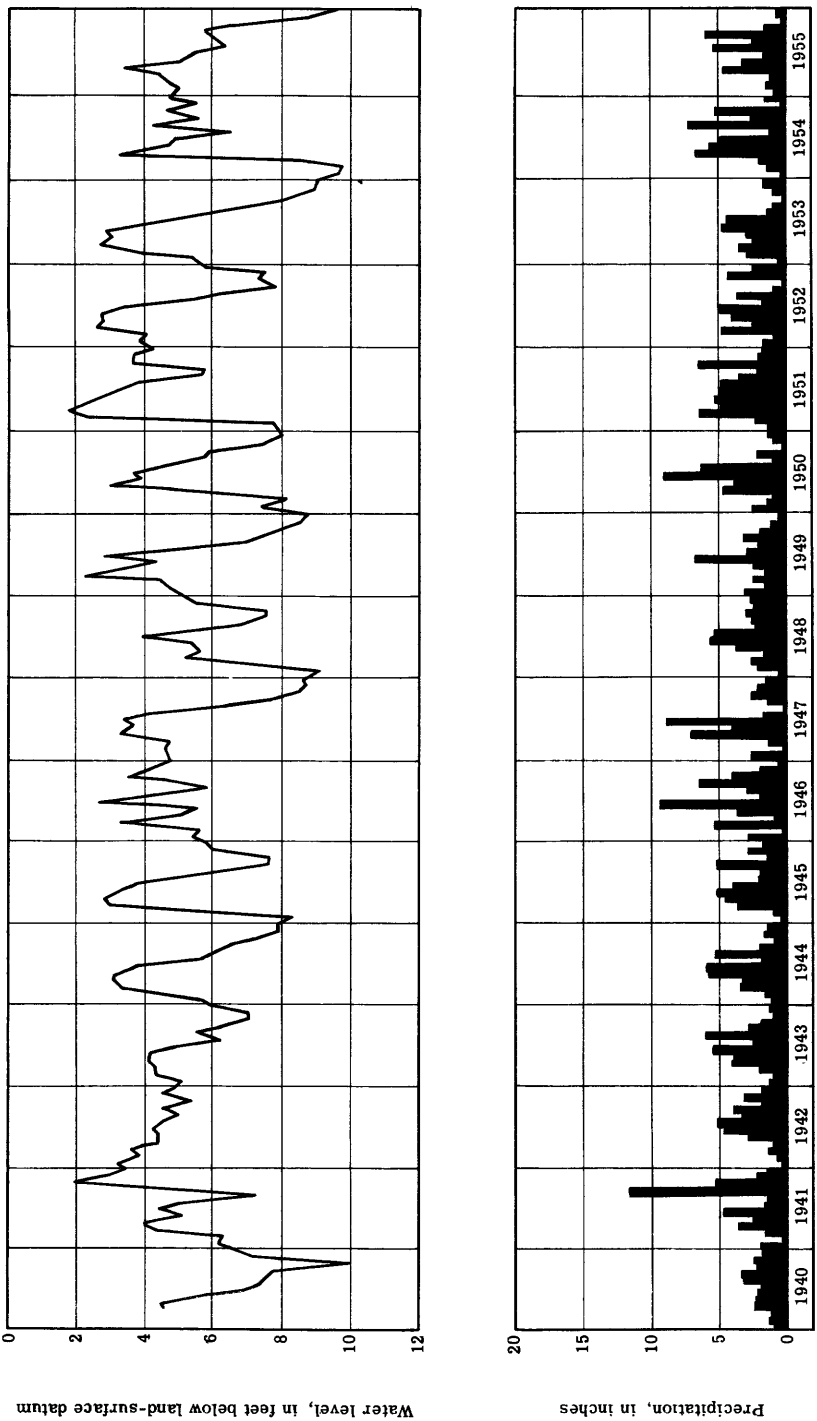

Figure 6.--Water level in well 84-6-20N1 near Marion and monthly precipitation at Cedar Rapids, Iowa, 1940-55.

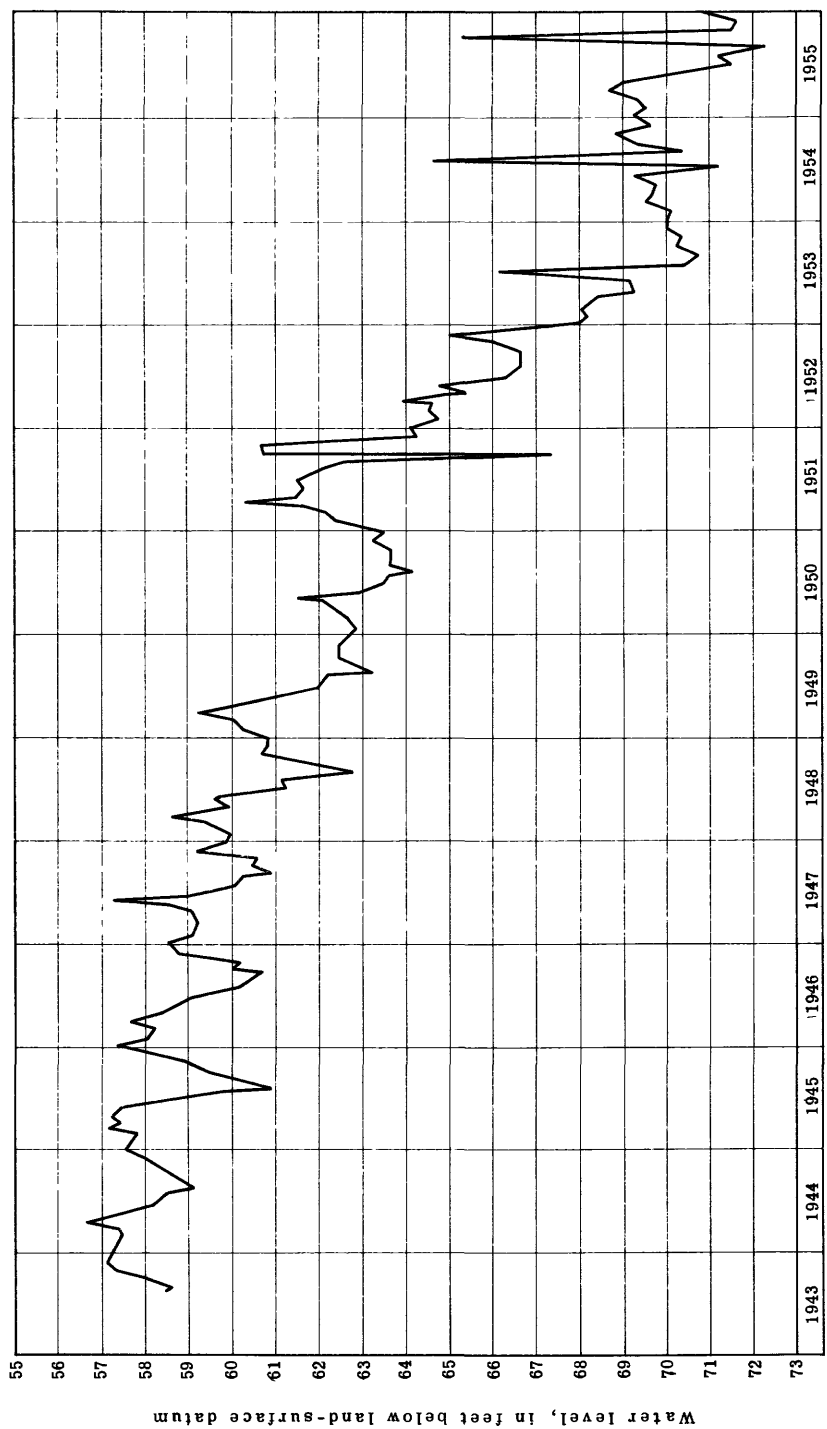

Figure 7.--Hydrograph of well 83-7-21K1 at Cedar Rapids, Iowa, 1943-55, showing fluctuations of water level caused by pumping in vicinity.

of pressure changes in the artesian aquifers and are useful in predicting yield of water and future water levels in wells drilled into these aquifers.

Figure 7 shows fluctuations of water level in well 83-7-21K1 caused by pumping in the vicinity of Cedar Rapids. This well is illustrative of artesian rock wells affected by seasonal withdrawals for industrial and air-conditioning purposes. This unused well, about half a mile from heavily pumped areas in Cedar Rapids, is completed in the upper part of dolomite of Silurian age, locally about 400 feet thick. Most wells in Cedar Rapids develop water supplies for air conditioning and industrial use from these strata. A pumping test of a nearby well in September 1951 had a marked effect upon the water level in well 83-7-21K1. The temporary shutdown of another nearby well in July 1954 and September 1955 caused a sharp rise of water level in well 83-7-21K1.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first segment of a well number indicates the township, the second the range, and the third the section in which the well is situated. The capital letter "E" in the second segment represents a well east of the fifth principal meridian. When the range indicated is west of the meridian, no letter is included. The third segment designating the section includes a letter representing the 40-acre subdivision of the section, as shown by the diagram, and the serial number of the particular well. For example, the number 76-31-25P1 denotes a well in T. 76 N., R. 31 W., in the $SE\frac{1}{4}SW\frac{1}{4}$ sec. 25, serial number 1.

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Well Descriptions and Water-Level Measurements

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

Adair County

76-31-29F1. Mutual Benefit Life Insurance Co. Dug unused water-table well in glacial drift, diameter 36 inches, depth 21 feet, cribbed with rock. Highest water level 3.96 below lsd, May 26, 1942; lowest 17.61 below lsd, Apr. 29, 1954. Records available: 1942-55. Jan. 21, 16.69; Apr. 29, 14.32; July 28, 16.48; Nov. 16, 14.34.

75-30-17E1. F. E. Robert. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 26 feet, lined with tile. Highest water level 0.18 above lsd, Mar. 23, 1943; lowest 8.40 below lsd, July 28, 1953. Records available: 1942-55. Jan. 21, 2.58; Apr. 29, 0.88; July 28, 3.01; Nov. 16, 3.42.

Buena Vista County

90-37-34B1. Ed Zinn. Dug unused water-table well in glacial drift, diameter 36 inches, depth 29 feet. Highest water level 3.77 below lsd, Oct. 15, 1946; lowest 18.32 below lsd, Aug. 27, 1941. Records available: 1940-55. Feb. 2, 9.13; May 4, 7.92; July 19, 11.74; Nov. 15, 13.86.

Calhoun County

89-32-28N1. Frank Laird. Drilled unused water-table well in glacial drift, diameter 15 inches, depth 11 feet, lined with tile. Highest water level 2.03 below lsd, May 1, 1947; lowest dry, Oct. 2, 1940, Aug. 27, 1941. Records available: 1940-55. Feb. 2, 3.89; May 5, 3.79; July 20, 5.02; Nov. 16, 6.16.

89-32-33F1. State Conservation Commission. Drilled domestic water-table well in glacial drift, diameter 8 inches, depth 53 feet, lined with tile. Highest water level 5.33 below lsd, Apr. 30, 1952; lowest 20.35 below lsd, June 21, 1950. Records available: 1948-55. Feb. 2, 13.40; May 5, 10.59; July 20, 16.96; Nov. 16, 19.37.

89-32-33N1. Ben Burns. Drilled domestic water-table well in glacial drift, diameter 8 inches, depth 30 feet, lined with tile. Highest water level 1.68 below lsd, Mar. 29, 1945; lowest 20.53 below lsd, Oct. 2, 1940. Records available: 1940-49. Measurement discontinued.

88-33-1B1. Ben Burns. Drilled domestic water-table well in glacial drift, diameter 14 inches, depth 35 feet, lined with tile. Highest water level 7.16 below lsd, Apr. 27, 1948; lowest 17.12 below lsd, Dec. 17, 1942. Records available: 1940-50. Measurement discontinued.

88-33-1D1. Bernard Kutz. Drilled unused water-table well in sand of Pleistocene age, diameter 14 inches, depth 105 feet, lined with tile. Highest water level 5.00 below lsd, Apr. 30, 1952; lowest 16.94 below lsd, Jan. 14, 1954. Records available: 1940-55. Feb. 2, 8.82; May 5, 6.70; July 20, 10.20; Nov. 16, 16.48.

Carroll County

85-35-7N1. City of Breda. Drilled municipal artesian well in Dakota sandstone, diameter 10 to 6 inches, depth 340 feet, screen 320-340. Land-surface datum is about 1,362 feet above msl. Highest water level 187.70 below lsd, Mar. 25, 1948; lowest 200.57 below lsd, Oct. 6, 1954. Records available: 1942-55. Feb. 2, 189.56; May 4, 189.67; July 19, 190.55.

85-35-18D1. City of Breda. Drilled unused artesian well in Dakota sandstone, diameter 9 inches, reported depth 350 feet. Land-surface datum is about 1,365 feet above msl. Highest water level 190.47 below lsd, Oct. 6, 1948; lowest 206.55 below lsd, May 27, 1941. Records available: 1940-55. Feb. 2, 192.25; May 4, 192.28; July 19, 192.65; Nov. 15, 195.06.

84-35-25F1. City of Carroll test hole 1. Drilled observation artesian well in Dakota sandstone, diameter 8 inches, depth 120 feet, cased to 106. Highest water level 34.55 below lsd, Sept. 8, 1945; lowest 59.97 below lsd, Aug. 2, 1954. Records available: 1939-49, 1952-55. Feb. 1, 53.07; May 4, 56.90; July 18, 59.64; Nov. 15, 53.28.

Cerro Gordo County

97-21-9E1. E. H. Phillips. Drilled domestic and stock artesian well in limestone of Devonian age, diameter 5 inches, depth 206 feet, cased to 94. Land-surface datum is about 1,217 feet above msl. Highest water level 90.60 below lsd, Dec. 27, 1949; lowest 100.19 below lsd, July 19, 1946. Records available: 1941-54. No measurement made in 1955.

97-20-28L1. American Crystal Sugar Co. Drilled industrial artesian well in Jordan and St. Peter sandstones, diameter 20 to 12 inches, depth 1,347 feet, cased 0-241, 653-815. Land-surface datum is 1,162.54 feet above msl. Highest water level 148.25 below lsd, July 29, 1944; lowest 204.90 below lsd, July 21, 1955. Records available: 1943-55. Feb. 3, 194.10; July 21, 204.90.

97-19-30R1. E. Stebens. Dug unused water-table well in glacial sand, diameter 36 inches, depth 16 feet, cribbed with rock. Land-surface datum is about 1,157 feet above msl. Highest water level 5.43 below lsd, July 3, 1945; lowest 13.90 below lsd, June 24, 1943. Records available: 1941-55. Feb. 3, 9.83; May 6, 9.11; July 21, 11.48; Nov. 18, 12.35.

96-22-20C1. The Willow Inn. Dug unused water-table well in glacial drift, diameter 24 inches, depth 10 feet. Land-surface datum is about 1,232 feet above msl. Highest water level 1.14 below lsd, Mar. 25, 1942; lowest 8.26 below lsd, Oct. 12, 1948. Records available: 1940-55. Feb. 3, 6.17; May 6, 3.16; July 21, 4.42; Nov. 17, 6.30.

96-22-20L1. Boy Scouts of America. Drilled unused water-table well in glacial drift, diameter 5 inches, depth 126 feet. Land-surface datum is about 1,249 feet above msl. Highest water level 29.65 below lsd, Mar. 25, 1942; lowest 41.97 below lsd, July 21, 1955. Records available: 1940-55. Feb. 3, 36.01; May 6, 36.39; July 21, 41.97; Nov. 17, 36.87.

96-21-13E1. Mason City and Clear Lake Ry. Co. Drilled unused water-table well, diameter 5 inches, depth 29 feet. Land-surface datum is about 1,168 feet above msl. Highest water level 1.73 below lsd, June 28, 1951; lowest 17.26 below lsd, Nov. 18, 1955. Records available: 1940-55. Feb. 3, 5.36; May 6, 4.90; July 21, 5.38; Nov. 18, 17.26.

96-21-17C1. Clear Lake Sand & Gravel Co. Drilled industrial water-table well in glacial sand, diameter 8 inches, depth 22 feet, cased with iron, sand point on bottom. Land-surface datum is about 1,203 feet above msl. Highest water level 13.13 below lsd, June 28, 1951; lowest 20.78 below lsd, Dec. 28, 1949. Records available: 1940-55. May 6, 18.39; July 21, 18.90; Nov. 17, 19.95.

96-20-3P1. Minneapolis & St. Louis Ry. Co. Drilled unused artesian well in St. Peter sandstone, diameter 12 to 10 inches, depth 805 feet, cased 0-30, 614-730. Land-surface datum is 1,120 feet above msl. Highest water level 32.91 below lsd, May 7, 1951; lowest 55.07 below lsd, Sept. 29, 1949. Records available: 1941-55.

Daily noon water level from recorder graph*

Day	Jan.	Feb.	May	July	Aug.	Sept.	Nov.	Dec.
1	.....	44.15	.....	.....	.....	47.17	.....	48.92
2	.....	44.35	.....	.....	45.78	47.21	.....	49.03
3	.....	44.47	.....	.....	45.83	47.23	.....	49.00
4	.....	44.20	.....	.....	45.97	47.22	.....	49.12
5	.....	44.18	43.85	.....	46.06	47.17	.....	49.16
6	.....	44.23	43.97	.....	46.00	.....	48.55	48.95
7	.....	44.25	44.19	.....	46.00	.....	48.58	49.13
8	.....	44.20	44.22	.....	46.00	.....	48.67	49.37
9	.....	44.30	44.05	.....	45.96	.....	48.40	49.38
10	.....	44.60	44.17	.....	.....	47.64	48.30	49.49
11	.....	44.55	44.15	.....	.....	47.49	48.54	49.40
12	.....	44.68	44.12	.....	.....	47.47	48.62	49.30
13	43.38	44.38	44.18	.....	46.28	47.49	48.62	49.32
14	43.11	44.45	44.29	.....	46.25	47.65	48.58	49.51
15	43.43	44.43	44.20	.....	46.35	47.65	.....	49.61
16	43.46	44.66	44.23	.....	46.40	47.74	.....	49.31
17	43.55	44.60	44.35	.....	46.51	47.76	49.04	49.57
18	43.63	44.50	.....	.....	46.61	47.78	48.90	49.65
19	43.66	44.40	.....	44.78	46.60	47.84	48.96	49.77
20	43.49	44.05	.....	44.83	46.67	47.84	48.73	49.58
21	43.38	44.10	.....	44.82	46.75	47.95	48.71	49.53
22	43.61	44.10	.....	44.88	46.83	48.00	48.57	49.39
23	43.68	.....	.....	44.92	46.82	48.00	48.98	49.45
24	43.72	.....	.....	44.87	46.92	47.98	48.93	49.80
25	43.86	.....	.....	44.80	46.85	48.11	48.85	50.08
26	44.00	.....	.....	.....	46.88	48.33	48.67	49.75
27	43.93	.....	.....	45.15	46.94	.....	48.85	49.65
28	44.08	.....	.....	45.24	46.87	.....	48.85	49.66
29	44.00		.....	45.33	46.97	.....	49.07	50.03
30	44.12		.....	45.48	47.15	.....	49.14	49.90
31	43.87		.....	.....	47.22			49.75

* No record for March, April, June, and October.

96-20-16J1. City of Mason City well 11. Drilled municipal artesian well in Jordan sandstone, diameter 20 to 10 inches, depth 1,306 feet, cased 0-143, 713-900. Land-surface datum is about 1,168 feet above msl. Highest water level 162.23 below lsd, June 25, 1942; lowest 284.20 below lsd, Sept. 8, 1948. Records available: 1939-43, 1947-55. May 6, 235.30.

95-22-3B1. Knut Olson. Drilled domestic and stock artesian well in limestone of Devonian age, diameter 4 inches, depth 134 feet. Land-surface datum is about 1,259 feet above msl. Highest water level 14.34 below lsd, July 3, 1945; lowest 20.50 below lsd, Dec. 28, 1949. Records available: 1941-55. Feb. 3, 16.65; May 6, 17.17; July 21, 18.17; Nov. 17, 20.07.

95-21-27Q1. Dave Blankenship. Drilled unused artesian well in limestone of Devonian age, diameter 5 inches, depth 114 feet. Land-surface datum is 1,172 feet above msl. Highest water level 15.80 below lsd, Mar. 25, 1942; lowest 26.30 below lsd, Oct. 13, 1948. Records available: 1941-55. Feb. 3, 20.47; May 6, 20.11; July 22, 22.43; Nov. 17, 26.17.

Clay County

96-35-3R1. Allis Wilson. Dug stock water-table well in glacial gravel, size 4 by 4 feet, depth 8 feet, cribbed with wood. Highest water level 2.48 below lsd, Oct. 29, 1953; lowest 6.75 below lsd, Oct. 2, 1940. Records available: 1940-55. May 5, 2.55; July 20, 3.52.

Dallas County

81-28-8H2. Davison Chemical Corp. Driven observation water-table well in alluvial sand and gravel, diameter $1\frac{1}{4}$ inches, depth 10 feet, screen 8-10. Land-surface datum is 935.51 feet above msl. Highest water level 2.32 below lsd, Nov. 3, 1954; lowest 7.46 below lsd, Dec. 7, 1955. Records available: 1954-55.

81-28-8H2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 15, 1954	3.39	Jan. 19, 1955	4.62	May 25, 1955	3.97	Sept. 21, 1955	6.51
Oct. 6	3.41	Feb. 2	4.87	June 1	3.84	28	6.62
13	3.04	9	4.62	8	3.74	Oct. 5	6.68
20	3.05	16	4.88	9	4.38	12	6.76
27	3.17	23	3.92	15	4.00	19	6.84
Nov. 3	2.32	Mar. 2	4.68	22	4.29	25	7.00
10	3.58	9	4.12	29	4.51	Nov. 3	6.98
17	4.53	16	4.51	July 20	4.74	9	7.02
24	3.81	23	4.22	27	4.59	17	7.10
Dec. 1	3.82	30	4.62	Aug. 3	5.24	23	7.16
8	3.59	Apr. 4	4.42	10	5.46	Dec. 1	7.21
15	3.92	20	4.35	17	5.62	7	7.46
22	4.09	27	3.88	24	5.91	14	7.31
29	4.28	May 6	3.94	31	6.08	21	7.37
Jan. 5, 1955	4.27	11	3.80	Sept. 7	6.25	28	7.42
12	4.50	18	3.92	14	6.40		

81-28-9F1. Davison Chemical Corp. Driven observation water-table well in terrace sand and gravel, diameter 1¼ inches, depth 19 feet, screen 17-19. Land-surface datum is 957.08 feet above msl. Highest water level 8.36 below lsd, Oct. 20, 1954; lowest 11.80 below lsd, Dec. 28, 1955. Records available: 1954-55.

Sept. 15, 1954	8.55	Jan. 19, 1955	9.55	May 25, 1955	9.26	Sept. 21, 1955	10.99
Oct. 6	9.08	Feb. 2	9.65	June 1	9.14	28	10.96
13	8.43	9	9.70	8	9.05	Oct. 5	11.04
20	8.36	16	9.75	10	9.43	12	11.12
27	8.76	23	9.55	15	9.08	19	11.19
Nov. 3	8.52	Mar. 2	9.57	22	9.18	25	11.27
10	8.62	9	9.62	29	9.30	Nov. 3	11.38
17	8.65	16	9.56	July 20	9.34	9	11.43
24	8.78	23	9.52	27	9.48	17	11.72
Dec. 1	8.91	30	9.50	Aug. 3	9.64	23	11.62
8	9.02	Apr. 4	9.55	10	9.80	Dec. 1	11.72
15	9.16	20	9.63	17	10.02	7	11.64
22	9.18	27	9.50	24	10.19	14	11.36
29	9.35	May 6	9.28	31	10.34	21	11.76
Jan. 5, 1955	9.41	11	9.24	Sept. 7	10.48	28	11.80
12	9.46	18	9.28	14	10.62		

Delaware County

89-5-29J1. City of Manchester well 2. Prospect and Union Aves. Drilled unused artesian well in dolomite of Silurian age, diameter 12 to 10 inches, depth 197 feet, cased 0-107. Land-surface datum is about 945 feet above msl. Highest water level 13.5 below lsd, June 8, 1951; lowest 46.6 below lsd, Mar. 23, 1951. Records available: 1949-55. Water levels affected by pumping of nearby wells.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Day	Jan.	Feb.	Mar.
1	22.7	23.0	23.0	17	22.8	23.1	22.9
2	22.6	22.7	22.6	18	22.4	22.9	22.8
3	23.0	23.0	22.8	19	22.9	23.0	23.3
4	22.8	22.7	22.5	20	22.6	....	22.8
5	22.5	22.8	22.8	21	22.8	23.4	22.9
6	22.4	23.1	22.7	22	22.4	23.3	23.0
7	22.8	....	22.8	23	22.8	22.8	22.8
8	22.2	22.3	22.9	24	22.8	23.0	23.0
9	22.5	23.2	22.5	25	22.4	22.8	22.9
10	22.7	22.6	22.7	26	22.8	23.0	22.6
11	22.6	23.0	22.5	27	22.4	22.8	22.8
12	23.0	23.4	23.2	28	22.8	22.8	23.2
13	22.4	23.2	22.6	29	23.0		22.6
14	22.6	23.2	22.8	30	22.8		23.0
15	22.2	23.2	23.1	31	22.5		23.4
16	22.6	23.9	22.7				

89-5-29J1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Day	Jan.	Feb.	Mar.
1	39.0	35.4	36.0	17	30.6	38.0	38.8
2	38.6	39.1	39.0	18	39.0	39.6	....
3	38.8	35.2	32.1	19	38.5	31.2	39.0
4	38.5	38.9	....	20	38.9	....	39.0
5	37.5	39.1	39.0	21	30.8	39.3	39.0
6	39.0	38.8	38.8	22	39.1	31.1	37.6
7	33.1	....	39.2	23	38.5	39.3	39.0
8	39.0	39.5	31.1	24	35.1	38.4	38.9
9	....	31.2	39.1	25	39.0	39.3	30.9
10	38.8	39.3	33.7	26	30.8	38.9	39.4
11	38.7	39.3	39.3	27	38.8	39.1	39.2
12	35.4	39.3	31.4	28	38.8	39.2	31.3
13	38.8	39.3	39.0	29	36.2		....
14	30.6	39.4	39.0	30	39.0		39.4
15	....	36.6	37.1	31	39.1		39.0
16	38.8	38.9	39.0				

Des Moines County

69-3-6A1. Iowa Ordnance Plant well 3. Drilled unused artesian well in St. Peter sandstone, diameter 16 inches, depth 1,205 feet, cased 0-855. Land-surface datum is about 717 feet above msl. Highest water level 162.70 below lsd, Mar. 27, 1950; lowest 181.19 below lsd, Apr. 12, 1954. Records available: 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	171.47	171.76	171.75	171.93	172.19	172.57	172.90	173.74	174.28	174.79	174.12	174.22
2	171.97	172.10	171.92	171.81	172.12	172.59	173.08	173.70	174.22	174.79	174.23	174.00
3	171.80	172.40	171.54	171.83	172.13	172.54	173.19	173.68	174.17	174.65	174.39	173.87
4	171.59	172.23	171.72	171.87	172.20	172.46	173.20	173.71	174.18	174.49	174.26	174.08
5	171.91	171.85	171.98	171.90	172.31	172.31	173.11	173.74	174.24	174.19	173.88	174.30
6	171.96	171.89	171.96	172.05	172.16	172.30	173.06	173.67	174.15	174.24	174.12	174.04
7	171.66	171.99	172.08	172.21	172.21	172.37	172.97	173.74	174.22	174.41	174.20	173.83
8	171.75	171.79	171.80	172.18	172.40	172.37	172.96	173.76	174.20	174.68	174.35	174.17
9	171.88	171.63	171.70	172.17	172.25	172.39	173.14	173.70	174.10	174.55	173.96	174.38
10	.....	171.99	171.40	172.06	172.36	172.41	173.19	173.76	174.32	174.53	173.67	174.54
11	.....	172.12	171.72	171.70	172.41	172.13	173.25	173.84	174.53	174.35	173.76	174.57
12	.....	172.38	171.90	171.75	172.26	172.41	173.30	173.83	174.56	174.30	174.02	174.45
13	.....	172.06	172.02	171.64	172.19	172.56	173.29	173.86	174.51	174.33	174.05	174.17
14	.....	171.98	171.78	171.78	172.35	172.66	173.19	173.91	174.38	174.31	174.23	174.37
15	.....	171.79e	171.72	171.95	172.35	172.78	173.14	173.96	174.39	174.27	173.73	174.44
16	.....	171.92	172.11	171.79	172.27	172.81	173.25	173.90	174.43	174.36	174.07	174.13
17	.....	172.10	172.01	172.13	172.38	172.84	173.34	173.86	174.48	174.25	174.40	174.13
18	.....	171.86	172.02	171.74	172.36	172.86	173.43	173.90	174.48	174.34	174.34	174.34
19	172.19	171.66	171.85	171.75	172.33	172.82	173.51	173.90	174.38	174.45	174.34	174.68
20	171.70	171.79	171.83	171.95	172.32	172.85	173.53	173.82	174.39	174.33	174.08	174.50
21	171.72	172.03	171.67	171.99	172.32	172.91	173.44	173.83	174.34	174.60	174.07	174.32
22	.....	172.08	171.76	171.91	172.18	172.85	173.37	173.88	174.45	174.46	173.73	173.78
23	.....	172.16	171.69	171.68	172.22	172.85	173.28	173.95	174.45	174.19	174.27	173.70
24	.....	172.29	172.06	171.45	172.19	172.81	173.34	173.95	174.67	174.57	174.41	173.78
25	.....	172.10	172.05	171.97	172.31	172.84	173.33	173.97	174.85	174.27	174.24	.....
26	.....	171.86	172.14	172.04	172.12	172.94	173.42	173.96	174.70	174.24	174.00	.....
27	.....	171.87	172.23	171.90	172.09	173.03	173.47	173.95e	174.50	174.14	174.10	.....
28	.....	171.66	172.10	171.98	172.06	173.03	173.50	173.95	174.65	173.97	174.13	174.20
29	.....		172.06	172.31	172.25	172.95	173.47	173.86	174.28	173.94	174.38	174.51
30	.....		172.04	172.36	172.44	172.89	173.50	173.98	174.64	173.95	174.56	174.57
31	.....		171.94		172.51		173.64	174.15		174.03		174.21

e Estimated.

69-3-6R1. Iowa Ordnance Plant well 2. Drilled unused artesian well in limestone of Devonian and Mississippian age, diameter 19 inches, depth about 675 feet, cased 0-75. Land-surface datum is about 699 feet above msl. Highest water level 76.65 below lsd, Nov. 11, 1955; lowest 83.19 below lsd, Apr. 6, 1950. Records available: 1950-55.

69-3-6R1--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	78.08	78.16	77.95	77.93	77.85	77.57	.....	.....	.....	77.50	76.97	77.41
2	78.36	78.31	78.10	77.84	77.71	77.57	.....	.....	.....	77.55	.....	77.15
3	78.35	78.61	77.88	77.78	77.67	77.53	.....	.....	.....	77.49	.....	77.06
4	78.30	78.61	77.88	77.74	77.66	77.42	.....	.....	77.29	77.36	.....	77.08
5	78.12	78.26	78.09	77.72	77.73	77.30	.....	.....	77.32	77.08	.....	77.35
6	78.29	78.19	78.18	77.85	77.68	77.22	.....	.....	77.30	77.03	.....	77.25
7	78.45	78.25	78.23	77.96	77.58	e77.24	.....	.....	.....	77.15	.....	77.00
8	78.25	78.16	78.01	78.01	77.71	77.27	.....	.....	.....	.....	77.30	77.17
9	78.17	77.98	77.84	77.98	77.70	77.30	.....	.....	.....	.....	77.16	77.40
10	78.34	78.12	77.68	77.92	77.67	77.31	.....	.....	.....	.....	76.87	77.54
11	.....	78.36	77.77	77.66	77.77	77.10	.....	.....	.....	77.25	76.70	77.60
12	.....	78.54	77.87	77.59	77.70	77.22	.....	.....	.....	.....	76.97	77.55
13	.....	78.50	78.09	77.51	77.57	77.35	.....	.....	77.41	.....	77.05	77.30
14	.....	78.29	78.02	77.54	.....	77.42	.....	.....	77.28	.....	77.27	77.39
15	.....	78.21	77.86	77.72	.....	.....	.....	.....	77.25	.....	76.91	77.45
16	.....	78.12	78.09	77.61	.....	.....	.....	.....	77.25	.....	.....	77.34
17	.....	78.34	78.16	77.82	e77.95	.....	.....	77.20	77.29	77.07	.....	77.18
18	.....	78.22	78.08	77.63	77.66	.....	.....	77.20	77.34	77.13	.....	77.28
19	78.50	78.01	78.00	77.55	77.60	.....	.....	77.23	77.29	.....	.....	77.61
20	78.52	78.02	77.95	77.57	77.53	.....	77.42	77.18	77.25	.....	77.27	77.58
21	78.10	78.22	77.74	77.62	77.50	e77.41	77.38	77.18	77.20	.....	77.20	77.42
22	78.09	78.29	77.70	77.57	77.37	77.38	.....	77.18	77.27	.....	76.94	77.06
23	78.23	78.32	77.73	77.39	77.36	77.37	.....	77.25	77.27	.....	77.14	76.85
24	78.05	78.39	77.98	77.11	77.31	.....	.....	77.27	77.43	.....	77.44	76.81
25	78.21	78.38	78.00	77.50	77.44	.....	77.25	77.26	77.58	77.24	77.37	77.24
26	.....	78.13	.....	e77.65	77.38	.....	77.28	77.26	77.57	.....	77.34	77.42
27	.....	78.05	.....	77.60	77.25	.....	.....	.....	77.36	.....	77.11	77.44
28	.....	77.98	.....	77.57	77.23	.....	.....	.....	77.42	.....	77.22	77.27
29	.....		78.05	77.83	77.32	.....	.....	.....	77.20	.....	77.34	77.42
30	.....		78.06	77.95	77.51	.....	.....	77.12	77.31	.....	77.60	77.57
31	.....		77.98		e77.57		.....	77.26		.....		77.34

e Estimated.

Dickinson County

99-36-6G1. Charles Miller. Drilled unused artesian well in glacial drift, diameter 16 inches, depth 34 feet, lined with tile. Highest water level 0.56 above lsd, June 30, 1945; lowest 6.50 below lsd, Dec. 20, 1940. Records available: 1940-55. Feb. 2, 2.49.

Dubuque County

89-3E-7Q1. City of Dubuque well 2. Drilled unused artesian well in sandstone of Cambrian age, diameter 8 inches, depth 1,306 feet, cased to 1,000. Land-surface datum is about 611 feet above msl. Highest water level 17.17 below lsd, Apr. 21, 1947; lowest 130.50 below lsd, Aug. 12, 1952. Records available: 1947-53, 1955. Jan. 5, 68.21; Feb. 8, 65.58; Feb. 26, 63.10; Mar. 19, 62.35; Apr. 13, 65.25; May 6, 91.72. Water levels affected by pumping of nearby wells.

Emmet County

100-32-11R1. Okamanpedan State Park. Drilled artesian well in Dakota sandstone, diameter 6 inches, depth 277 feet. Land-surface datum is about 1,233 feet above msl. Highest water level 59.60 below lsd, Dec. 19, 1946; lowest 64.98 below lsd, Nov. 16, 1955. Records available: 1939-55. Feb. 2, 64.63; May 5, 64.40; July 20, 64.87; Nov. 16, 64.98.

Henry County

71-6-9B1. City of Mount Pleasant well 2. Drilled municipal artesian well in Jordan sandstone, diameter 10 to 6 inches, depth 1,820 feet, cased to 678. Land-surface datum is about 732 feet above msl. Highest water level 132.40 below lsd, Sept. 5, 1945; lowest 160.84 below lsd, July 26, 1955. Records available: 1945-55. Water levels affected by pumping of nearby well. Jan. 20, 159.73; Apr. 28, 157.03; July 26, 160.84; Nov. 15, 159.40.

71-6-9B2. City of Mount Pleasant well 4. Drilled municipal artesian well in dolomite of St. Lawrence formation, diameter 20 to 19 inches, depth 1,860 feet, cased to 623. Land-surface datum is about 732 feet above msl. Highest water level 132.00 below lsd, May 5, 1946; lowest 153.30 below lsd, Nov. 15, 1955. Records available: 1946-50, 1953-55. Water levels affected by pumping of nearby well. Apr. 28, 152.50; Nov. 15, 153.30.

71-6-9M1. City of Mount Pleasant well 3. Drilled municipal artesian well in dolomite of St. Lawrence formation, diameter 16 to 6 inches, depth 1,896 feet, cased to 1,689. Land-surface datum is about 671 feet above msl. Highest water level 71.60 below lsd, Dec. 31, 1945; lowest 95.80 below lsd, Nov. 15, 1955. Records available: 1945-55. Water levels affected by pumping of nearby well. Jan. 20, 93.99; Nov. 15, 95.80.

Ida County

89-40-35D1. City of Holstein well 3. Drilled municipal artesian well in Dakota sandstone, diameter 16 to 10 inches, reported depth 645 feet, cased to 549, screen 545-645. Land-surface datum is about 1,454 feet above msl. Highest water level 317.90 below lsd, Oct. 24, 1945; lowest 325.0 below lsd, Mar. 29, 1949. Records available: 1939, 1945, 1948-50. No measurement made in 1955.

Jasper County

80-18-31C1. P. W. Beukema. Dug unused water-table well in glacial drift, diameter 36 inches, depth 37 feet, cribbed with brick. Highest water level 2.67 below lsd, June 10, 1947; lowest 27.15 below lsd, Dec. 18, 1948. Records available: 1940-55. Jan. 21, 15.07; Mar. 9, 16.79; Apr. 29, 16.57; July 28, 19.64; Nov. 17, 22.05.

80-17-17K2. State Conservation Commission test hole 19. Drilled observation artesian well in Red Rock channel sandstone of Pennsylvanian age, diameter 7 inches, depth 122 feet, cased to 27. Land-surface datum is about 903 feet above msl. Highest water level 41.09 below lsd, Nov. 13, 1954; lowest 59.38 below lsd, Aug. 11, 1950. Records available: 1950-55.

Daily noon water level from recorder graph*

Day	Jan.	Mar.	Apr.	June	July	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	.....	45.12	.....	44.81
2	.....	.....	.....	.....	.....	.....	45.07	.....	44.91
3	.....	.....	.....	.....	.....	.....	44.87	.....	44.64
4	.....	.....	.....	.....	.....	.....	44.74	.....	45.20
5	.....	.....	.....	.....	.....	.....	44.60	.....	45.08
6	.....	.....	.....	.....	.....	.....	44.81	.....	44.76
7	43.85	.....	.....	.....	.....	.....	44.97	.....	45.02
8	43.67	.....	h45.98	h45.30	.....	.....	44.97	.....	45.29
9	44.07	.....	.....	45.26	.....	.....	44.87	.....	45.27
10	44.07	.....	.....	45.27	.....	.....	44.86	.....	45.34
11	43.97	45.26	.....	45.18	.....	.....	44.63	.....	45.25
12	44.04	45.55	.....	.....	.....	.....	44.82	.....	44.92
13	44.16	45.50	.....	.....	.....	.....	44.81	.....	45.15
14	43.75	45.30	.....	.....	.....	.....	44.79	.....	45.20
15	.....	45.55	.....	.....	.....	44.80	44.77	.....	45.17
16	.....	45.15	.....	.....	.....	44.83	44.85	.....	44.93
17	.....	45.49	.....	.....	.....	44.92	44.80	45.28	45.11
18	.....	45.61	.....	.....	.....	44.93	44.88	45.02	45.47
19	.....	e45.48	.....	.....	.....	44.92	.....	45.11	45.29
20	.....	.....	.....	.....	.....	44.87	.....	44.98	45.12
21	.....	.....	.....	.....	.....	44.88	.....	44.75	.....
22	.....	.....	.....	.....	.....	44.92	.....	44.61	.....
23	.....	.....	.....	.....	.....	45.01	.....	45.27	.....
24	.....	.....	.....	.....	.....	45.11	.....	45.12	.....
25	.....	.....	.....	.....	.....	45.18	.....	45.13	.....
26	.....	.....	.....	.....	.....	45.01	.....	44.74	.....
27	.....	.....	.....	.....	.....	44.86	.....	45.08	.....
28	.....	.....	.....	.....	h44.88	44.97	.....	45.08	.....
29	.....	.....	h46.09	.....	44.81	44.74	.....	45.28	.....
30	.....	.....	.....	.....	44.79	45.08	.....	45.17	.....
31	.....	.....			44.87		.....		.....

* No record for February, May, and August.
e Estimated.
h Tape measurement.

80-17-17L1. State Conservation Commission test hole 1. Drilled observation well in Red Rock Channel sandstone of Pennsylvanian age, diameter 7 inches, depth 94 feet, cased to 41. Land-surface datum is about 859 feet above msl. Highest water level 1.14 below lsd, Oct. 28, 1954; lowest 16.47 below lsd, Oct. 20, 1950. Records available: 1950-55.

80-17-17L1--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.82	4.44	3.62	5.02	....	....	....	3.44	3.70	....	....	3.45
2	4.23	4.67	3.90	4.92	....	....	....	3.38	3.60	....	....	3.42
3	4.07	4.57	3.82	4.88	....	....	....	3.33	3.60	....	....	3.32
4	3.99	4.63	4.15	4.91	....	....	....	3.39	3.60	....	....	3.58
5	4.03	4.44	4.47	4.97	....	....	....	3.43	3.69	....	....	3.70
6	4.30	4.63	4.43	5.08	....	....	....	3.36	3.58	....	....	3.40
7	4.10	4.70	4.61	5.16	....	....	....	3.46	3.65	....	....	3.43
8	3.93	4.56	4.60	5.04	....	....	....	3.44	3.58	....	....	3.73
9	4.14	4.52	4.65	....	....	3.80	....	3.39	3.51	....	....	3.81
10	4.20	4.89	4.43	....	....	3.82	....	3.46	3.77	....	....	3.82
11	4.15	4.86	4.74	....	....	3.71	....	3.52	3.82	....	....	3.82
12	4.09	5.00	4.78	....	....	3.84	....	3.47	3.73	....	....	3.66
13	4.28	4.68	4.78	....	....	3.88	....	3.48	3.59	....	....	3.48
14	3.92	4.72	4.60	....	....	3.87	....	3.47	3.62	....	....	3.71
15	4.23	4.60	4.76	....	....	3.92	....	3.47	3.58	....	....	3.80
16	4.25	4.78	4.96	....	....	3.87	....	3.45	3.63	....	....	3.43
17	4.38	4.74	4.80	....	....	3.84	....	3.44	3.68	....	3.79	3.63
18	4.40	4.50	4.91	....	....	3.83	3.31	3.50	3.70	....	3.61	3.81
19	4.43	3.68	4.87	....	....	3.80	3.34	3.49	3.62	....	3.64	3.99
20	4.20	3.28	5.02	....	....	3.83	3.32	3.45	3.58	....	3.42	3.75
21	4.00	3.33	4.98	....	....	3.90	3.27	3.49	3.51	....	3.41	3.64
22	4.17	3.28	5.02	....	....	3.85	3.24	3.57	3.57	....	3.22	3.31
23	4.28	3.31	5.03	....	....	....	3.23	3.56	3.57	....	3.74	3.38
24	4.16	3.44	5.21	....	....	....	3.28	3.53	3.68	....	3.74	3.57
25	4.37	3.24	5.21	....	....	....	3.24	3.53	....	....	3.62	3.97
26	4.23	3.30	5.22	....	....	....	3.28	3.50	....	....	3.40	3.88
27	4.47	3.39	5.25	....	....	....	3.33	3.49	....	....	3.60	3.73
28	4.56	3.38	5.11	....	....	....	3.35	3.50	....	....	3.58	3.57
29	4.35		5.09	....	....	....	3.32	3.49	....	....	3.73	3.93
30	4.63		5.06	....	....	....	3.31	3.58	....	....	3.80	3.86
31	4.27		5.00		....		3.38	3.67		....		3.58

80-17-17M2. State Conservation Commission test hole 31. Drilled observation artesian well in Red Rock channel sandstone of Pennsylvanian age. diameter 7 inches, depth 189 feet, cased to 108. Land-surface datum is about 954 feet above msl. Highest water level 97.15 below lsd, Dec. 14, 1954; lowest 110.56 below lsd, Dec. 12, 1951. Records available: 1950-55.

Daily noon water level from recorder graph*

Day	Jan.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	.....	.....	.....	99.65	.....	.....	99.65	.....	99.82
2	.....	.....	.....	99.58	.....	.....	99.52	.....	99.74
3	.....	.....	.....	99.59	.....	.....	99.45	.....	99.51
4	.....	.....	.....	99.74	.....	.....	99.48	.....	99.10
5	.....	.....	.....	99.74	.....	.....	99.56	.....	99.14
6	.....	.....	.....	99.32	.....	.....	99.48	.....	99.38
7	e98.22	.....	.....	99.63	.....	.....	99.59	.....	99.70
8	97.88	.....	h99.62	99.79	h99.73	.....	99.52	.....	99.57
9	.....	98.69	.....	99.54	e99.72	.....	99.47	.....	99.53
10	.....	98.24	.....	99.86	.....	.....	99.60	.....	99.40
11	.....	98.80	.....	99.81	.....	.....	99.61	.....	99.28
12	.....	99.08	.....	99.67	.....	.....	99.52	.....	99.35
13	.....	99.17	.....	99.76	.....	.....	99.52	.....	99.36
14	.....	98.83	.....	99.82	.....	.....	99.48	.....	99.28
15	.....	99.14	.....	99.70	e100.05	.....	99.48	99.34	99.44
16	.....	99.50	.....	99.67	.....	.....	99.38	99.38	99.34
17	.....	99.20	.....	99.67	e99.92	.....	99.36	99.49	99.45
18	.....	99.18	.....	99.60	e99.90	.....	99.42	99.51	99.53
19	.....	e99.02	.....	99.50	.....	.....	99.35	99.42	.....
20	.....	.....	.....	99.50	.....	.....	99.30	99.24	.....
21	.....	.....	.....	99.40	.....	.....	99.37	99.45	.....
22	.....	.....	.....	99.30	.....	.....	99.46	99.44	.....
23	.....	.....	.....	e99.29	.....	.....	99.47	99.65	.....
24	.....	.....	.....	e99.31	.....	.....	99.41	99.87	.....
25	.....	.....	.....	e99.33	.....	.....	99.41	99.89	.....

80-17-17M2--Continued.

Day	Jan.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
26	.....	.....	.....	e99.04	.....	.....	99.35	99.44	.....
27	.....	.....	.....	e99.37	.....	.....	99.35	99.56	.....
28	.....	.....	.....	e99.44	.....	99.57	99.28	99.30	.....
29	.....	.....	100.00	e99.50	e99.67	99.44	.....	99.46	.....
30	.....	.....	99.98	.....	e99.56	99.44	.....	99.81	.....
31	.....	.....	.....	.....		99.56	.....		.....

* No record for February, November, and December.
e Estimated.
h Tape measurement.

80-17-20E1. State Conservation Commission test hole A-17. Drilled observation artesian well in Red Rock channel sandstone of Pennsylvanian age, diameter 5 inches, depth 110 feet, cased to 104. Land-surface datum is about 887 feet above msl. Highest water level 47.63 below lsd, Apr. 28, 1952; lowest 50.84 below lsd, Dec. 14, 1950. Records available: 1948-52. No measurement made in 1955.

80-17-28D1. State Conservation Commission test hole A-2. Drilled observation artesian well in Red Rock channel sandstone of Pennsylvanian age, diameter 5 inches, depth 55 feet, cased to 50. Land-surface datum is about 836 feet above msl. Highest water level 1.45 below lsd, June 28, 1952; lowest 6.89 below lsd, Aug. 24, 1948. Records available: 1948-55. Jan. 7, 3.08; Apr. 8, 3.44.

80-17-28D2. State Conservation Commission test hole A-11. Driven observation water-table well in alluvial sand, diameter $1\frac{1}{4}$ inches, depth 14 feet, screen 12-14. Land-surface datum is about 836 feet above msl. Highest water level 1.58 below lsd, Aug. 27, 1954; lowest 5.88 below lsd, Dec. 14, 1950. Records available: 1948-55. Apr. 8, 3.20; Apr. 29, 3.03; June 8, 3.90; Sept. 15, 5.64.

Johnson County

80-5-9K3. U. S. Geol. Survey. Frank Miller, Morse. Driven observation artesian well in glacial sand, diameter $1\frac{1}{4}$ inches, depth 15 feet, screen 13-15. Highest water level 0.60 above lsd, Mar. 14, 1953; lowest 9.22 below lsd, Sept. 8, 1955. Records available: 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	6.30	Mar. 12	5.18	May 21	5.22	Aug. 6	8.30
7	3.78	18	4.87	28	5.29	14	8.11
15	5.27	26	4.68	June 5	5.76	20	7.59
21	5.60	Apr. 1	4.97	10	5.89	Sept. 8	9.22
29	6.07	9	5.24	18	6.13	29	8.36
Feb. 4	6.37	16	5.63	25	6.55	Oct. 8	8.54
12	6.51	24	1.05	July 3	5.64	15	9.18
18	6.59	30	3.45	8	6.94	Nov. 2	8.46
26	4.35	May 7	3.86	23	7.24	Dec. 1	8.39
Mar. 5	4.62	14	4.36	30	7.67	24	8.87

80-5-22M1. Chicago, Rock Island & Pacific RR. Co. Dug unused water-table well in glacial drift, diameter 4 feet, depth 20 feet, cribbed with brick. Highest water level 5.88 below lsd, May 2-6, 1953; lowest dry, Dec. 2-31, 1955. Records available: 1941-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.80	14.12	.....	.....	6.07	.....	.....	17.15	18.47	19.10	19.10	19.31
2	16.82	14.25	.....	.....	6.38	.....	.....	17.22	18.52	19.10	19.11	(f)
3	16.75	14.49	.....	.....	6.92	.....	.....	17.27	18.53	19.10	19.13	(f)
4	16.66	14.69	.....	.....	7.53	.....	.....	17.36	18.54	19.07	19.13	(f)
5	16.29	14.57	.....	.....	8.12	.....	.....	17.43	18.56	19.03	19.13	(f)
6	14.98	14.55	.....	.....	8.56	.....	.....	17.47	18.60	19.01	19.14	(f)
7	13.88	14.72	.....	.....	8.93	.....	.....	17.54	18.65	18.98	19.14	(f)
8	12.94	14.79	.....	11.67	9.06	.....	.....	17.60	18.65	18.98	19.15	(f)
9	12.48	14.80	.....	11.71	....	.....	.....	17.65	.....	18.97	19.15	(f)
10	12.27	14.88	.....	11.75	....	.....	.....	17.68	.....	18.95	19.15	(f)
11	12.10	15.06	.....	11.70	8.26	.....	.....	17.73	.....	18.93	19.15	(f)
12	11.93	15.15	.....	11.75	7.62	.....	.....	17.77	.....	18.90	19.16	(f)
13	12.02	15.26	.....	11.75	7.51	.....	.....	17.82	.....	18.88	19.17	(f)
14	11.96	15.20	.....	11.76	7.78	.....	15.61	17.86	.....	18.87	19.17	(f)
15	12.09	15.23	.....	12.05	....	.....	15.62	17.88	.....	18.86	19.18	(f)
16	12.26	15.22	.....	11.65	....	.....	15.68	17.93	.....	18.86	19.18	(f)
17	12.50	15.38	.....	11.70	....	.....	15.77	17.96	.....	18.87	19.20	(f)
18	12.70	15.39	.....	11.50	....	.....	15.86	18.00	.....	18.87	19.21	(f)
19	12.86	14.64	.....	11.50	....	.....	15.97	18.04	.....	18.88	19.22	(f)
20	12.99	13.36	.....	9.70	....	.....	16.07	18.07	.....	18.90	19.22	(f)

80-5-22M1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	12.88	13.05	.....	7.90	....	.....	16.14	18.11	.....	18.91	19.23	(f)
22	12.97	.....	.....	7.30	....	.....	16.22	18.14	.....	18.93	19.23	(f)
23	13.18	.....	.....	7.11	....	.....	16.30	18.18	.....	18.94	19.25	(f)
24	13.27	.....	.....	6.01	....	.....	16.40	18.21	.....	18.96	19.26	(f)
25	13.44	.....	.....	6.04	....	.....	16.50	18.25	.....	18.98	19.27	(f)
26	13.64	.....	.....	6.03	....	.....	16.57	18.27	.....	19.00	19.28	(f)
27	13.85	.....	.....	6.00	....	.....	16.70	18.31	.....	19.01	19.28	(f)
28	13.85	.....	.....	6.00	....	.....	16.77	18.33	.....	19.02	19.29	(f)
29	13.95		.....	6.01	....	.....	16.87	18.37	.....	19.03	19.30	(f)
30	e13.99		.....	6.04	....	.....	16.97	18.41	.....	19.05	19.30	(f)
31	e14.08		.....		....		17.05	18.45		19.07		(f)

e Estimated.
f Dry.

80-5-22M2. Chicago, Rock Island & Pacific RR. Co. Drilled unused artesian well, diameter 5 inches, depth 82 feet. Highest water level 8.15 below lsd, Apr. 21, 1952; lowest 20.21 below lsd, Aug. 31, 1948. Records available: 1941-55. Feb. 21, 16.09; Apr. 7, 16.06; May 12, 14.84; July 14, 17.02; Sept. 8, 19.09; Sept. 30, 19.30; Nov. 2, 19.20.

Lee County

67-5-14L1. U. S. Geol. Survey. Driven observation water-table well in alluvial sand, diameter 1¼ inches, depth 13 feet, screen 11-13. Land-surface datum is about 529 feet above msl. Highest water level 6.50 below lsd, Apr. 24, 1952; lowest 8.76 below lsd, Feb. 2, 1954. Records available: 1950-55. Jan. 20, 7.68; Apr. 28, 7.69; July 26, 8.37.

Linn County

85-6-19J1. U. S. Geol. Survey. John Inobit. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 9 feet, perforations 3-9. Highest water level 3.02 below lsd, Apr. 25, 1945; lowest 6.94 below lsd, Aug. 29, 1941. Records available: 1940-55. Jan. 31, 4.72; Feb. 28, 3.83; Apr. 1, 3.67; Apr. 30, 3.88.

85-6-26D2. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 14 feet, perforations 9-14. Highest water level 0.21 below lsd, Apr. 26, 1951; lowest 9.05 below lsd, Feb. 26, 1954. Records available: 1940-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	4.73	Apr. 30	2.51	July 29	5.24	Oct. 31	6.11
Feb. 28	2.28	May 31	3.70	Aug. 31	6.59	Nov. 30	7.32
Apr. 1	1.44	July 1	4.88	Oct. 4	5.02	Dec. 29	8.00

85-6-29B1. Earl Balderson. Drilled unused artesian well in glacial sand, diameter 5 inches, depth 147 feet. Highest water level 56.67 below lsd, June 27, 1947; lowest 65.70 below lsd, Apr. 1, 1954. Records available: 1940-55.

Jan. 31	62.31	Apr. 30	62.40	July 29	62.56	Oct. 31	63.90
Feb. 28	62.64	May 31	61.39	Aug. 31	63.68	Nov. 30	64.74
Apr. 1	62.66	July 1	61.90	Oct. 4	63.96	Dec. 29	65.16

84-7-13E2. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 1¼ inches, depth 17 feet, screen 15-17. Highest water level 1.56 below lsd, Mar. 29, 1951; lowest 12.03 below lsd, Sept. 30, 1948. Records available: 1940-55.

Jan. 31	3.95	Apr. 30	2.53	July 29	5.87	Oct. 31	9.36
Feb. 28	2.94	May 31	3.91	Aug. 31	8.47	Nov. 30	10.42
Apr. 1	2.23	July 1	5.30	Sept. 30	5.72	Dec. 29	11.13

84-6-20N1. U. S. Geol. Survey. H. W. Wiggins. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 12 feet, perforations 6-11. Highest water level 1.68 below lsd, Mar. 29, 1951; lowest 10.50 below lsd, Oct. 17, 1940. Records available: 1940-55.

Jan. 31	5.00	Apr. 30	3.28	July 29	6.44	Oct. 31	6.58
Feb. 28	4.67	May 31	4.98	Aug. 31	7.89	Nov. 30	8.73
Apr. 1	4.45	July 1	5.44	Oct. 4	5.78	Dec. 29	9.48

84-6-22F1. Joseph Sinaika. Dug unused water-table well in glacial drift, diameter 30 inches, depth 14 feet, cribbed with rock. Highest water level 2.61 below lsd, Apr. 26, 1951; lowest dry, Oct. 14, 1940, Dec. 28, 1953. Records available: 1940-55.

Jan. 31	5.54	Apr. 30	3.44	July 29	6.12	Oct. 31	8.40
Feb. 28	5.63	May 31	4.68	Aug. 31	8.02	Nov. 30	9.09
Apr. 1	4.60	July 1	5.78	Oct. 4	8.02	Dec. 29	9.51

83-7-1B1. City of Marion. Drilled public-supply artesian well in dolomite of Silurian age, diameter 12 inches, depth 437 feet, cased to 128. Land-surface datum is 787.52 feet above msl. Highest water level 3.48 below lsd, Apr. 28, 1947; lowest 11.81 below lsd, Jan. 31, 1950. Records available: 1941-50. No measurement made in 1955.

83-7-2P1. Mr. Hellenbeck. Drilled unused water-table well in limestone, diameter 6 inches, depth 52 feet. Highest water level 23.66 below lsd, Apr. 28, 1947; lowest 34.75 below lsd, Oct. 26, 1953. Records available: 1940-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	31.30	Apr. 30	27.77	July 29	31.64	Oct. 31	31.47
Feb. 28	31.32	May 31	29.80	Aug. 31	31.62	Nov. 30	31.86
Apr. 1	31.23	July 1	30.90	Oct. 4	31.48	Dec. 29	32.03

83-7-16D1. City of Cedar Rapids. Shaver Park. Drilled city park artesian well in limestone, diameter 5 inches, depth 127 feet. Highest water level 81.80 below lsd, June 27, 1947; lowest 93.66 below lsd, Dec. 31, 1948. Records available: 1940-55.

Jan. 31	89.03	May 31	87.64	Aug. 31	90.42	Nov. 30	92.87
Apr. 1	88.46	July 1	89.12	Oct. 4	90.25	Dec. 27	91.24
30	86.98	29	89.42	31	90.55		

83-7-16J1. City of Cedar Rapids. Daniels Park. Drilled city park artesian well in limestone, diameter 5 inches, depth 163 feet. Highest water level 29.24 below lsd, May 31, 1944; lowest 40.85 below lsd, Dec. 31, 1948. Records available: 1940-44, 1948-52, 1955.

Feb. 28	34.15	Apr. 30	34.88	July 1	34.42	Aug. 31	36.19
Apr. 1	34.25	May 31	34.28	29	35.00	Oct. 4	35.70

83-7-17L1. City of Cedar Rapids. Ellis Park. Drilled unused artesian well in limestone, diameter 5 inches, depth 98 feet. Highest water level 15.00 below lsd, June 30, 1946; lowest 21.97 below lsd, Nov. 30, 1955. Records available: 1940-55.

Jan. 31	20.89	Apr. 30	20.24	July 29	21.39	Oct. 31	21.23
Feb. 28	20.19	May 31	21.04	Aug. 31	21.68	Nov. 30	21.97
Apr. 1	20.57	July 1	21.28	Oct. 4	21.25	Dec. 29	21.55

83-7-21K1. Wapsi Valley Creamery. Drilled unused artesian well in dolomite of Silurian age, diameter 8 to 7 inches, depth 156 feet, cased to 105. Highest water level 56.76 below lsd, Apr. 23, 1944; lowest 72.55 below lsd, Sept. 9, 1955. Records available: 1943-55. Water levels affected by nearby pumping wells.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	69.87	.....	69.78	70.57	71.70	71.53	72.19	.....	.....	71.64
2	.....	.....	69.93	.....	69.31	70.75	71.27	71.75	72.19	.....	.....	71.71
3	.....	.....	69.94	68.72	69.71	70.92	71.06	71.89	71.85	.....	.....	71.16
4	.....	.....	69.99	69.22	69.97	70.67	70.92	72.05	71.63	.....	.....	72.09
5	.....	69.75	69.37	69.62	69.99	70.31	71.39	72.11	71.57	65.35	.....	71.50
6	.....	69.57	69.01	69.73	69.94	70.65	71.69	71.57	71.95	67.65	71.15	71.61
7	.....	69.99	69.48	69.64	69.45	70.85	71.76	71.17	72.20	68.02	71.52	71.71
8	.....	70.02	69.69	69.62	69.18	71.07	71.86	71.41	72.22	71.00	71.65	71.78
9	69.29	70.14	69.80	69.18	69.45	71.10	71.46	71.73	72.24	70.85	71.57	71.81
10	69.61	70.27	69.71	68.82	69.64	71.03	70.74	71.86	71.99	71.27	71.53	71.33
11	69.73	.....	69.91	69.25	69.71	70.52	71.17	71.98	71.65	71.47	71.69	72.03
12	69.79	69.83	69.35	69.53	69.70	70.37	71.35	71.99	71.95	71.57	71.25	71.38
13	69.81	69.57	69.07	69.58	69.78	70.71	71.49	71.50	71.89	71.53	71.10	71.62
14	69.77	70.01	69.43	69.69	69.46	70.91	71.52	71.25	71.82	71.55	71.46	71.75
15	69.45	70.23	69.69	69.70	69.24	71.02	71.59	71.58	71.92	71.15	71.66	71.78
16	69.30	70.31	.....	69.31	69.59	71.08	72.12	71.91	68.65	71.00	71.75	71.61
17	69.76	70.21	.....	69.03	70.05	71.24	70.71	72.10	68.11	.....	71.80	72.21
18	69.95	70.09	.....	69.37	70.10	70.90	71.16	72.15	71.26	.....	71.80	71.00
19	70.03	69.39	.....	69.75	.....	70.75	71.44	72.13	71.75	.....	71.32	71.39
20	70.01	69.07	.....	69.83	.....	71.17	71.55	71.75	71.91	.....	71.00	71.46
21	70.05	69.55	.....	69.89	.....	71.51	71.61	71.54	71.67	.....	71.43	71.47
22	69.56	69.81	.....	69.87	.....	71.57	71.70	71.94	71.55	.....	71.53	71.40
23	69.38	69.93	.....	69.31	.....	71.50	71.29	72.09	68.95	71.04	71.76	71.45
24	69.77	69.99	.....	69.74	.....	71.49	71.00	72.07	69.03	71.47	71.16	71.32
25	70.04	69.88	.....	.....	.....	71.13	71.44	72.15	69.20	71.47	71.47	70.90
26	70.00	69.35	.....	.....	.....	70.81	71.74	72.16	69.71	71.55	71.22	70.78
27	69.95	69.16	.....	.....	.....	71.13	.....	71.82	69.81	71.61	70.92	71.27
28	70.07	69.36	.....	69.83	.....	71.43	.....	71.58	69.85	71.71	71.36	.....
29	69.61		.....	69.89	.....	71.52	71.93	71.90	69.63	71.26	71.66	71.51
30	.....		.....	69.19	.....	71.61	71.55	72.11	.....	71.14	71.73	71.44
31	.....		.....		.....		71.33	72.15		71.45		70.96

76-19-5N1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	18.24	18.59	16.15	16.62	15.20	16.96	17.68	19.56	20.78	20.52	20.76	20.76
17	18.24	18.41	16.06	16.62	15.36	17.03	17.50	19.66	20.88	20.43	20.73	20.79
18	18.24	18.35	16.00	16.53	15.36	17.18	17.33	19.74	20.88	20.55	20.84	.....
19	18.37	18.34	15.94	16.55	15.42	17.26	17.33	19.83	20.80	20.63	20.71	.....
20	18.35	18.36	15.91	16.55	15.58	17.19	17.34	19.89	20.88	20.55	20.74	.....
21	18.45	18.17	15.88	16.56	15.69	17.30	17.46	20.04	20.83	20.66	20.71	.....
22	16.45	17.98	15.84	16.60	15.74	17.40	17.46	20.06	20.92	20.71	20.71	20.73
23	.....	17.76	15.82	16.73	15.79	17.48	17.58	20.09	20.84	20.57	20.84	20.80
24	.....	17.59	15.87	16.63	15.90	17.63	17.66	20.12	20.99	20.54	20.79	20.82
25	.....	17.43	15.88	16.55	16.05	17.82	17.64	20.26	20.89	20.66	20.86	20.72
26	.....	17.30	15.90	16.47	16.02	17.79	17.79	20.16	20.84	20.59	20.85	20.67
27	.....	17.25	15.99	16.33	16.12	17.76	17.94	20.23	20.79	20.69	20.72	20.65
28	.....	17.11	16.00	16.09	16.31	17.87	18.09	20.38	20.87	20.65	20.67	20.74
29	.....		16.05	15.96	16.33	17.90	18.23	20.40	20.74	20.75	20.70	20.68
30	.....		16.08	15.66	16.31	18.05	18.42	20.41	20.72	20.66	20.70	20.73
31	18.56		16.11		16.32		16.62	20.46		20.57		20.77

75-20-31C2. Miss Amanda Elliot. Drilled unused water-table well in glacial drift, diameter 15 inches, depth 29 feet, lined with tile. Highest water level 2.31 below lsd, June 11, 1947; lowest 27.42 below lsd, Oct. 28, 1953. Records available: 1940-55. Jan. 21, 18.40; Apr. 29, 12.75; July 26, 13.03; Nov. 16, 16.16.

74-21-11F1. Town of Melcher test well 5. Drilled observation artesian well in glacial sand and gravel, diameter 6 inches, depth 101 feet. Land-surface datum is 931.6 feet above msl. Highest water level 32.91 below lsd, June 17, 1945; lowest 87.96 below lsd, Oct. 24, 1948. Records available: 1945-46, 1948-55. Water levels affected by nearby pumping well. Jan. 21, 81.03.

74-21-11K1. Town of Melcher test well 3. Drilled observation artesian well in glacial sand and gravel, diameter 6 inches, depth 119 feet, cased to 76. Highest water level 46.03 below lsd, July 14, 1945; lowest 108.85 below lsd, Dec. 4, 6-7, 1949. Records available: 1945-55. Water levels affected by nearby pumping well.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	106.93	107.25	107.46	107.11	107.49	107.21	107.64	107.77	107.70	107.64	107.51	107.72
2	106.78	107.32	107.48	107.21	107.50	107.31	107.61	107.78	107.70	107.60	107.55	107.78
3	106.73	107.43	107.45	107.16	107.50	107.30	107.66	107.62	107.70	107.60	107.54	107.77
4	106.85	107.35	107.42	107.24	107.52	107.30	107.66	107.81	107.66	107.53	107.59	107.52
5	106.68	107.32	107.43	107.27	107.52	107.29	107.67	107.80	107.68	107.90	107.62	107.40
6	106.57	107.34	107.37	107.34	107.51	107.31	107.69	107.79	107.66	107.70	107.68	107.57
7	106.49	107.36	107.37	107.36	107.50	107.34	107.72	107.79	107.70	107.63	107.70	107.62
8	106.43	107.35	107.37	107.38	107.50	107.40	107.57	107.78	107.70	107.61	107.74	107.69
9	106.70	107.42	107.41	107.44	107.50	107.42	107.57	107.50	107.70	107.50	.....	107.67
10	106.83	107.44	107.33	107.45	107.50	107.44	107.58	107.29	107.70	107.46	.....	107.70
11	106.91	107.43	107.18	107.44	107.52	107.44	107.58	107.21	107.71	107.47	.....	107.70
12	106.75	107.49	106.97	107.40	107.50	107.44	107.68	107.48	107.70	107.45	.....	107.71
13	106.59	107.46	106.90	107.42	107.49	107.53	107.68	107.54	107.67	107.42	.....	107.70
14	106.76	107.57	107.07	107.45	107.50	107.52	107.68	107.58	107.70	107.42	.....	107.75
15	106.65	107.59	106.95	107.47	107.51	107.53	107.73	107.60	107.69	107.39	.....	107.74
16	106.55	107.60	.....	107.46	107.56	107.57	107.72	107.62	107.72	107.40	.....	107.73
17	106.35	107.65	.....	107.57	107.60	107.55	107.71	107.62	107.82	107.41	107.70	107.62
18	106.32	107.58	.....	107.51	107.60	107.59	107.69	107.66	107.82	107.36	107.70	107.69
19	106.25	107.35	106.90	107.51	107.30	107.56	107.73	107.68	107.80	107.29	107.70	107.74
20	.....	107.24	106.71	107.53	107.05	107.66	107.74	107.70	107.73	107.04	107.70	107.75
21	.....	107.39	106.69	107.53	106.80	107.69	107.76	107.68	107.69	107.31	107.73	107.76
22	.....	107.42	106.88	107.54	106.62	107.70	107.74	107.70	107.70	107.07	107.67	107.74
23	.....	107.44	106.95	107.51	106.42	107.69	107.76	107.70	107.70	106.79	107.72	107.75
24	.....	107.50	106.98	107.48	.....	107.70	107.77	107.72	107.70	106.80	107.81	107.68
25	.....	107.45	107.02	107.50	.....	107.75	107.76	107.75	107.70	107.08	107.79	107.73
26	.....	107.45	107.13	107.56	106.80	107.65	107.77	107.48	107.65	107.21	107.75	107.68
27	107.24	107.39	107.16	107.52	106.96	107.61	107.76	107.38	107.68	107.28	107.72	107.68
28	107.17	107.43	107.21	107.58	107.04	107.61	107.74	107.45	107.70	107.37	107.73	107.69
29	107.15		107.25	107.65	107.08	107.60	107.75	107.65	107.67	107.36	107.69	107.69
30	107.15		107.02	107.51	107.18	107.61	107.74	107.65	107.65	107.44	107.68	107.67
31	107.17		106.88		107.20		107.74	107.69		107.48		107.64

83-7-24A1. John Zrudsky. Drilled artesian well in limestone, diameter 4 inches, depth 96 feet. Highest water level 23.56 below lsd, June 27, 1947; lowest 36.93 below lsd, Nov. 30, 1953. Records available: 1940-55. Jan. 31, 29.59; Feb. 28, 31.11; Apr. 1, 30.55; Apr. 30, 30.90; May 31, 30.77; July 1, 31.74; July 29, 31.92.

83-7-32G1. Floyd Felter. 22d Ave. SW. and 11th St. SW., Cedar Rapids. Drilled unused artesian well in limestone, diameter 5 inches, depth 282 feet. Highest water level 75.88 below lsd, Jan. 26, 1942; lowest 97.25 below lsd, Aug. 31, 1955. Records available: 1940-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	90.05	Apr. 30	91.35	July 29	95.11	Oct. 31	93.42
Feb. 28	89.34	May 31	87.91	Aug. 31	97.25	Nov. 30	93.00
Apr. 1	91.63	July 1	92.94	Oct. 4	95.83	Dec. 29	93.01

83-7-33F1. James L. Jakubec, Jr. Formerly Hedges Co. Realtors. 22d Ave. SW. and K St. SW., Cedar Rapids. Drilled unused artesian well in limestone, diameter 5 inches, depth 107 feet. Highest water level 67.58 below lsd, Aug. 28, 1947; lowest 75.95 below lsd, Mar. 31, 1949. Records available: 1940-55. Jan. 31, 73.20; Feb. 28, 73.32; Aug. 31, 73.98; Oct. 4, 73.82; Oct. 31, 73.76; Nov. 30, 73.86; Dec. 29, 74.47.

83-6-30B1. Dale Katz. Drilled unused artesian well, diameter 6 inches, depth 77 feet. Highest water level 44.26 below lsd, June 27, 1947; lowest 53.50 below lsd, Sept. 28, 1953. Records available: 1940-55.

Jan. 31	51.57	Apr. 30	51.12	July 29	51.70	Oct. 31	52.18
Feb. 28	51.36	May 31	51.11	Aug. 31	52.08	Nov. 30	52.28
Apr. 1	51.37	July 1	51.64	Oct. 4	52.10	Dec. 29	52.41

82-7-3A2. Central Iowa Power Cooperative well 2. Drilled industrial artesian well in dolomite of Silurian age, diameter 12 inches, depth 446 feet, cased to 105. Land-surface datum is about 722 feet above msl. Highest water level 21.48 below lsd, May 31, 1950; lowest 58.50 below lsd, July 27, 1953. Records available: 1950-55.

Jan. 31	49.19	Apr. 30	33.46	July 1	52.98	Nov. 30	40.41
Apr. 1	40.33	May 31	46.90	Oct. 4	40.93	Dec. 29	41.05

Lyon County

99-44-26R1. State of Iowa. Drilled unused water-table well in glacial drift, diameter 20 inches, depth 38 feet, lined with tile. Highest water level 0.50 below lsd, June 26, 1951; lowest 9.74 below lsd, Oct. 24, 1940. Records available: 1940-43, 1947-55. Feb. 2, 3.21; May 4, 1.80; July 19, 4.87; Nov. 15, 6.98.

Madison County

75-28-2B1. Glen Newton. Drilled unused water-table well in glacial drift, diameter 24 inches, depth 32 feet, cribbed with rock. Highest water level 9.93 below lsd, Oct. 23, 1946; lowest 20.59 below lsd, Oct. 1, 1943. Records available: 1940-55. Jan. 21, 15.84; Apr. 29, 15.64; July 28, 14.32; Nov. 16, 16.57.

Marion County

76-19-5N1. City of Knoxville well 4. Drilled unused water-table well in alluvial sand and gravel, diameter 40 to 24 inches, depth 47 feet. Land-surface datum is 720 feet above msl. Highest water level 2.70 below lsd, June 8, 1951; lowest 21.68 below lsd, Feb. 7, 1950. Records available: 1949-55. Water levels affected by nearby pumping wells.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.95	18.53	16.99	16.17	15.60	16.32	18.11	18.73	20.50	20.66	20.70	20.68
2	17.92	18.66	16.90	16.22	15.32	16.47	18.27	18.78	20.53	20.54	20.69	20.76
3	17.90	18.71	16.85	16.27	15.24	16.62	18.38	18.90	20.55	20.40	20.71	20.76
4	17.85	18.72	16.87	16.17	15.05	16.70	18.30	18.95	20.38	20.40	20.71	20.73
5	18.03	18.73	16.81	16.50	15.03	16.90	18.19	19.05	20.37	20.42	20.81	20.71
6	18.03	18.74	16.77	16.48	14.93	16.82	18.50	19.09	20.43	20.36	20.69	20.80
7	18.01	18.65	16.66	16.47	15.13	16.96	18.56	19.24	20.49	20.46	20.64	20.80
8	18.09	18.69	16.56	16.44	15.07	16.88	18.45	19.26	20.52	20.59	20.74	20.80
9	18.00	18.63	16.45	16.53	14.94	16.95	18.46	19.19	20.51	20.46	20.70	20.78
10	18.02	18.78	16.38	16.51	15.06	16.98	18.46	19.36	20.68	20.42	20.78	20.79
11	18.05	18.76	16.34	16.43	15.06	16.95	18.52	19.47	20.57	20.49	20.73	20.76
12	18.06	18.75	16.33	16.36	15.08	16.93	18.40	19.42	20.56	20.53	20.79	20.69
13	18.08	18.72	16.34	16.38	15.09	16.82	18.23	19.52	20.49	20.53	20.73	20.76
14	18.08	18.66	16.26	16.42	15.31	16.92	18.03	19.47	20.69	20.54	20.70	20.76
15	18.22	18.61	16.20	16.54	15.25	16.86	17.88	19.52	20.77	20.64	20.83	20.77

74-20-22C1. Grant DeWitt. Dug stock water-table well in glacial drift, diameter 4½ feet, depth 32 feet, cribbed with brick. Highest water level 2.60 below lsd, Apr. 23, 1947; lowest 28.60 below lsd, Nov. 16, 1955. Records available: 1942-55. Jan. 21, 19.06; Apr. 29, 19.47; Nov. 16, 28.60.

74-20-33D1. T. V. Beebout. Drilled unused water-table well in glacial drift, diameter 24 inches, depth 29 feet, cribbed with brick. Highest water level 2.18 below lsd, Apr. 23, 1947; lowest 27.39 below lsd, Apr. 16, 1940. Records available: 1940-55. Jan. 21, 13.97; Apr. 29, 15.03; Nov. 16, 16.40.

Marshall County

84-18-22H1. City of Marshalltown. Jetted observation artesian well in glacial sand and gravel of Pleistocene age, diameter 3 inches, depth 225 feet, cased to 225. Highest water level 4.97 below lsd, Oct. 1, 1951; lowest 15.40 below lsd, Aug. 6, 1949. Records available: 1949-55. Feb. 1, 6.76; May 3, 6.64; July 16, 6.96.

84-18-24Q1. City of Marshalltown. Drilled unused artesian well in glacial sand and gravel of Pleistocene age, diameter 8 inches, depth 200 feet, cased to 190, screen 190-200. Land-surface datum is about 871 feet above msl. Highest water level 4.92 below lsd, July 13, 1951; lowest 18.30 below lsd, Nov. 14, 1955. Records available: 1949-55. Feb. 1, 8.42; May 3, 8.30; June 8, 9.64; July 16, 12.14; Nov. 14, 18.30.

82-17-24D1. Town of Gilman. Drilled observation water-table well in sand and gravel, diameter 2 inches, depth 23 feet, slotted pipe 18-23. Highest water level 1.41 below lsd, Apr. 22, 1952; lowest 16.20 below lsd, Feb. 20, July 28, 1954. Records available: 1952-55. Water levels affected by nearby pumping well. Apr. 1, 4.55; June 28, 6.70; Sept. 1, 5.25.

Montgomery County

72-37-29C1. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 40 feet. Highest water level 4.70 below lsd, June 24, 1947; lowest 34.64 below lsd, May 18, 1938. Records available: 1937-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7	19.02	Apr. 29	19.98	Aug. 22	22.03	Nov. 18	22.50
24	17.32	July 8	19.00	Sept. 20	23.23	Dec. 28	29.50
Apr. 21	25.20	28	20.10	Oct. 28	26.40		

71-38-11R1. E. F. Holquist. Dug unused water-table well in glacial drift, diameter 36 inches, depth 28 feet, cribbed with brick. Highest water level 2.28 below lsd, Apr. 25, 1952; lowest 25.15 below lsd, Jan. 26, 1944. Records available: 1934-53. No measurement made in 1955.

71-38-35B1. Mr. Mainquist. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 18 feet. Highest water level 0.34 below lsd, Apr. 27, 1951; lowest 17.75 below lsd, Apr. 28, 1954. Records available: 1937-55.

Mar. 7	4.48	Apr. 29	7.58	July 28	13.15	Oct. 28	12.34
24	7.45	May 27	12.30	Aug. 22	12.00	Nov. 18	17.65
Apr. 21	11.90	July 8	12.00	Sept. 20	15.90	Dec. 28	17.30

71-38-35E1. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 29 feet. Highest water level 0.35 below lsd, June 27, 1951; lowest 22.67 below lsd, May 3, 1938. Records available: 1937-55.

Mar. 24	3.62	May 27	4.29	Aug. 22	7.60	Nov. 18	7.83
Apr. 21	4.95	July 8	4.82	Sept. 20	8.46	Dec. 28	8.90
29	3.85	28	6.66	Oct. 28	13.54		

71-36-6J1. Donald Templeton. Drilled observation water-table well in glacial drift, diameter 1¼ inches, depth 38 feet, screen 36-38. Highest water level 2.52 below lsd, May 31, 1951; lowest 30.99 below lsd, Apr. 26, 1950. Records available: 1950-55.

Mar. 7	15.95	Apr. 29	16.10	July 28	15.45	Oct. 28	16.40
24	10.40	May 27	14.67	Aug. 22	16.03	Nov. 18	14.75
Apr. 21	15.20	July 8	14.80	Sept. 20	16.74	Dec. 28	18.85

Muscatine County

76-2-10J1. Grain Processing Corp. Driven observation water-table well in alluvial sand, diameter 1 inch, depth 45 feet, screen 43-45. Highest water level 7.34 below lsd, June 19, 1950; lowest 16.51 below lsd, Nov. 15, 1955. Records available: 1949-55. Water levels affected by nearby pumping well. Apr. 28, 9.76; July 26, 14.68; Nov. 15, 16.51.

74-21-11K1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	107.80	108.09	108.23	108.01	108.12	108.04	108.29	108.42	108.39	108.25	108.22	108.38
2	107.33	108.15	108.23	108.04	108.17	108.10	108.30	108.43	108.39	108.20	108.24	108.41
3	107.77	108.16	108.25	108.02	108.15	108.11	108.31	108.46	108.40	108.18	108.22	108.40
4	107.59	108.11	108.15	108.08	108.21	108.11	108.32	108.46	108.35	108.18	108.30	107.95
5	107.29	108.13	108.20	108.13	108.22	108.06	108.37	108.40	108.36	108.36	108.30	108.20
6	107.63	108.15	108.18	108.14	108.21	108.12	108.38	108.42	108.39	108.25	108.31	108.28
7	106.95	108.16	108.14	108.15	108.21	108.14	108.37	108.42	108.39	108.20	108.38	108.32
8	107.49	108.15	108.20	108.17	108.16	108.17	108.19	108.42	108.38	108.12	108.38	108.35
9	107.72	108.15	108.19	108.23	108.16	108.18	108.22	108.00	108.38	108.10	.....	108.34
10	107.77	108.18	108.15	108.18	108.20	108.17	108.33	107.50	108.38	108.10	.....	108.37
11	107.86	108.19	107.65	108.17	108.18	108.14	108.32	108.16	108.38	108.03	.....	108.36
12	107.33	108.21	107.18	108.19	108.18	108.13	108.35	108.23	108.36	108.10	.....	108.38
13	107.66	108.24	107.62	108.19	108.20	108.22	108.36	108.30	108.36	108.07	.....	108.40
14	107.50	108.27	107.65	108.22	108.20	108.21	108.38	108.30	108.35	108.02	.....	108.41
15	107.41	108.30	107.38	108.22	108.20	108.23	108.38	108.32	108.40	108.02	.....	108.41
16	106.90	108.34	.....	108.25	108.22	108.23	108.38	108.32	108.40	108.02	108.32	108.38
17	107.39	108.30	.....	108.27	108.22	108.24	108.39	108.32	108.42	108.00	108.37	108.31
18	106.78	108.26	.....	108.26	108.23	108.24	108.39	108.36	108.47	107.60	108.37	108.37
19	107.50	107.87	107.84	108.25	107.76	108.24	108.39	108.36	108.40	107.62	108.38	108.40
20	.....	108.11	107.26	108.26	107.30	108.31	108.41	108.39	108.35	108.00	108.40	108.40
21	.....	108.16	107.74	108.29	107.05	108.34	108.41	108.38	108.35	108.13	108.26	108.40
22	.....	108.18	107.84	108.25	106.80	108.36	108.41	108.38	108.34	107.56	108.38	108.40
23	.....	108.22	107.80	108.25	106.62	108.36	108.42	108.40	108.36	107.07	108.40	108.30
24	.....	108.25	107.90	108.23	.....	108.35	108.42	108.40	108.37	107.80	108.40	108.40
25	.....	108.33	107.95	108.26	.....	108.37	108.42	108.40	108.31	108.00	108.41	108.25
26	.....	108.18	108.00	108.25	107.78	108.31	108.42	107.95	108.30	108.11	108.40	108.29
27	107.87	108.16	108.01	108.26	107.90	108.30	108.00	108.22	108.35	108.11	108.38	108.33
28	107.17	108.17	108.07	108.32	107.90	108.31	108.40	108.28	108.32	108.14	108.38	108.31
29	108.01		108.08	108.20	107.93	108.27	108.40	108.32	108.31	108.15	108.31	108.30
30	107.96		107.53	108.18	107.97	108.28	108.42	108.35	108.30	108.16	108.36	108.30
31	108.03		107.89		108.02		108.42	108.39		108.20		108.31

74-21-11K2. Town of Melcher. Drilled unused water-table well in glacial drift, diameter 18 inches, depth 25 feet, lined with tile. Highest water level 1.70 below lsd, Mar. 27, 1952; lowest 16.27 below lsd, Oct. 22, 1953. Records available: 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	10.82	Apr. 14	8.03	July 14	11.25	Oct. 6	12.46
13	10.82	21	8.05	21	11.86	13	13.06
20	10.95	28	7.84	28	12.69	20	13.42
27	10.20	May 5	8.26	Aug. 4	13.22	27	13.59
Feb. 3	11.26	12	8.18	11	13.23	Nov. 3	13.07
10	11.20	19	8.58	18	13.86	10	13.08
17	10.49	24	9.18	25	13.69	17	13.32
24	9.52	26	9.07	Sept. 1	14.16	24	12.75
Mar. 3	8.66	June 1	9.17	8	14.62	Dec. 1	13.16
10	8.35	9	9.25	15	14.96	8	12.96
17	8.53	16	10.16	22	14.22	15	13.22
24	8.48	23	11.16	28	13.02	22	13.20
31	8.36	30	10.92	29	13.03	29	13.19
Apr. 7	8.37	July 7	10.91				

74-21-11L1. Town of Melcher. North A and West First Sts. Drilled observation artesian well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 93 feet, screen 91-93. Highest water level 31.38 below lsd, Aug. 27, 1953; lowest 55.16 below lsd, Mar. 4, 1954. Records available: 1953-55. Water levels affected by pumping of nearby well.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	49.50	Apr. 14	48.01	July 14	48.13	Oct. 6	50.27
13	50.26	21	48.07	21	48.06	13	49.77
20	50.32	28	48.05	28	48.12	20	50.56
27	50.99	May 5	48.03	Aug. 4	47.99	27	50.74
Feb. 3	50.57	12	47.86	11	47.96	Nov. 3	50.70
10	50.29	19	47.87	18	49.82	10	50.68
17	50.63	26	47.48	25	50.12	17	50.58
24	50.32	June 1	47.80	Sept. 1	47.96	24	51.12
Mar. 3	49.23	9	47.93	8	50.54	Dec. 1	51.18
10	47.94	16	47.48	15	50.60	8	51.27
17	48.50	23	48.15	22	50.56	15	51.56
24	47.99	30	48.46	28	50.59	22	51.47
31	47.87	July 7	48.15	29	50.45	29	51.47
Apr. 7	48.03						

76-2-14D1. City of Muscatine test well 4. Drilled observation water-table well in alluvial sand, diameter 2 inches, depth 39 feet. Highest water level 4.15 below lsd, July 9, 1943; lowest 14.38 below lsd, Dec. 20, 1950. Records available: 1939-55. Jan. 20, 13.79; Apr. 28, 8.53; July 27, 14.27; Nov. 15, 14.37. Water levels affected by nearby pumping wells.

76-2-15A1. City of Muscatine test well 5. Drilled observation water-table well in alluvial sand, diameter 2 inches, depth 32 feet. Highest water level 3.06 below lsd, July 19, 1943; lowest 15.59 below lsd, Nov. 15, 1955. Records available: 1940-55. Jan. 20, 13.66; Apr. 28, 8.88; July 27, 15.37; Nov. 15, 15.59. Water levels affected by nearby pumping wells.

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70-37-17J1. R. Palmquist. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 40 feet, lined with tile. Highest water level 11.12 below lsd, Mar. 30, 1942; lowest 27.95 below lsd, July 8, 1955. Records available: 1934-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 7	23.75	Apr. 29	24.21	July 28	24.98	Oct. 28	25.62
24	23.60	May 27	24.55	Aug. 22	25.78	Nov. 18	26.47
Apr. 21	23.30	July 8	27.95	Sept. 20	26.24	Dec. 28	26.02

70-37-17R1. R. Palmquist. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 26 feet, lined with tile. Highest water level 0.78 below lsd, Apr. 25, 1952; lowest 11.32 below lsd, Aug. 29, 1942. Records available: 1934-55.

Mar. 7	4.09	Apr. 29	7.15	July 28	7.86	Oct. 28	9.28
24	5.50	May 27	8.15	Aug. 22	8.42	Nov. 18	9.45
Apr. 21	6.95	July 8	7.20	Sept. 20	8.96	Dec. 28	9.70

69-39-35B1. Elsie Nordstrom. Drilled observation water-table well in glacial drift, diameter 6 inches, depth 30 feet. Highest water level 2.79 below lsd, Apr. 25, 1944; lowest 24.40 below lsd, May 21, 1954. Records available: 1937-55.

Mar. 7	7.30	May 4	14.49	Aug. 2	18.50	Oct. 24	21.08
23	12.73	June 6	14.60	30	19.96	Nov. 18	21.40
Apr. 18	15.75	July 18	18.90	Sept. 28	20.54	Dec. 28	22.80

69-39-35B2. Elsie Nordstrom. Drilled observation water-table in glacial drift, diameter 3 inches, depth 27 feet. Highest water level 1.52 below lsd, Apr. 25, 1944; lowest 21.57 below lsd, Nov. 22, 1948. Records available: 1937-55.

Mar. 7	13.00	May 4	13.86	Aug. 30	17.95	Oct. 24	19.08
23	16.29	June 6	15.18	Sept. 28	18.44	Nov. 18	15.60
Apr. 18	14.55	July 18	14.65				

69-39-35D1. Elsie Nordstrom. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 33 feet. Highest water level 6.92 below lsd, May 29, 1951; lowest 31.73 below lsd, Feb. 26, 1940. Records available: 1938-55.

Mar. 23	20.40	June 6	19.70	Aug. 30	21.95	Nov. 18	24.58
Apr. 18	21.35	July 18	19.87	Sept. 28	23.50	Dec. 28	26.20
May 4	20.20	Aug. 2	20.35	Oct. 24	23.98		

69-39-35D2. Elsie Nordstrom. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 28 feet. Highest water level 4.17 below lsd, June 25, 1951; lowest 32.19 below lsd, Feb. 26, 1940. Records available: 1938-55.

Mar. 23	11.78	June 6	18.00	Aug. 30	20.86	Nov. 18	23.60
Apr. 18	19.48	July 18	18.65	Sept. 28	22.34	Dec. 28	21.68
May 4	19.22	Aug. 2	19.30	Oct. 24	23.14		

69-39-35D4. Elsie Nordstrom. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 27 feet. Highest water level 2.82 below lsd, June 25, 1951; lowest 24.28 below lsd, Feb. 26, 1940. Records available: 1938-55.

Mar. 23	12.50	June 6	12.60	Sept. 28	16.77	Nov. 18	18.10
Apr. 18	13.27	July 18	12.78	Oct. 24	15.68	Dec. 28	16.10
May 4	12.73	Aug. 2	13.68				

69-39-35D5. Elsie Nordstrom. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 25 feet. Highest water level 1.08 below lsd, Apr. 20, 1951; lowest 19.16 below lsd, Feb. 26, 1940. Records available: 1938-55.

Mar. 23	6.60	June 6	7.40	Aug. 30	10.94	Nov. 18	13.55
Apr. 18	8.23	July 18	7.99	Sept. 28	11.86	Dec. 28	13.45
May 4	7.54	Aug. 2	9.23	Oct. 24	12.63		

69-38-18N1. T. Slickerveer. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 50 feet, lined with tile. Highest water level 0.24 below lsd, July 18, 1951; lowest 9.74 below lsd, Feb. 15, 1939. Records available: 1934-55.

69-38-18N1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27	2.50	May 25	5.80	July 28	6.90	Oct. 24	6.78
Mar. 23	5.65	July 8	6.30	Aug. 22	7.18	Nov. 18	6.90
Apr. 21	5.20	18	6.60	Sept. 20	7.68	Dec. 28	8.25
29	1.97						

69-38-30G1. John Snyder. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 20 feet. Highest water level 1.16 below lsd, Apr. 25, 1944; lowest 13.44 below lsd, Nov. 25, 1941. Records available: 1937-55. Feb. 27, 4.75; Mar. 23, 4.47; Apr. 18, 6.52.

69-38-34B1. Mr. Burton. Drilled observation water-table well in glacial drift, diameter 1¼ inches, depth 35 feet, screen 33-35. Highest water level 6.85 below lsd, June 27, 1951; lowest 36.02 below lsd, Jan. 25, 1938. Records available: 1937-55.

Mar. 7	22.18	Apr. 29	25.90	July 28	29.20	Oct. 28	32.10
24	25.23	May 25	27.95	Aug. 22	30.20	Nov. 18	31.60
Apr. 21	26.54	July 8	27.85	Sept. 20	34.15	Dec. 28	33.30

69-37-20M1. Amil Windhorst. Dug unused water-table well in glacial drift, diameter 36 inches, depth 63 feet, cribbed with brick. Highest water level 5.03 below lsd, June 27, 1951; lowest 46.54 below lsd, Oct. 22, 1948. Records available: 1934-55.

Mar. 7	24.78	Apr. 29	20.80	July 28	23.35	Oct. 28	27.87
24	35.30	May 27	24.44	Aug. 22	24.20	Nov. 18	29.85
Apr. 21	24.59	July 8	18.80	Sept. 20	26.00	Dec. 28	34.46

69-37-20M2. Amil Windhorst. Drilled domestic water-table well in glacial drift, diameter 12 inches, depth 58 feet, lined with tile. Highest water level 4.39 below lsd, June 27, 1951; lowest 53.66 below lsd, Dec. 30, 1943. Records available: 1934-46, 1949-55.

Mar. 7	13.72	Apr. 29	15.95	July 28	17.90	Oct. 28	23.62
24	15.33	May 27	17.42	Aug. 22	18.70	Nov. 18	23.04
Apr. 21	16.58	July 8	22.80	Sept. 20	23.40	Dec. 28	23.17

68-38-7N1. John Toft. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 44 feet, lined with tile. Highest water level 1.44 below lsd, June 23, 1947; lowest 19.44 below lsd, Mar. 28, 1938. Records available: 1934-55.

Mar. 23	9.92	June 6	12.90	Sept. 28	15.90	Nov. 10	16.18
Apr. 18	11.00	Aug. 2	15.33	Oct. 24	16.00	Dec. 29	14.91
May 4	11.05	30	15.80				

68-38-29P1. Metropolitan Life Insurance Co. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 18 feet. Highest water level 4.82 below lsd, Mar. 27, 1942; lowest 15.84 below lsd, Oct. 25, 1954. Records available: 1937-55.

Feb. 28	12.65	May 4	12.75	Aug. 30	13.18	Nov. 18	12.92
Mar. 23	13.50	June 6	12.80	Oct. 24	13.20	Dec. 29	13.15
Apr. 18	12.85	Aug. 2	12.80				

67-38-20Q1. Albert Nordholm. Dug unused water-table well in glacial drift, diameter 36 inches, depth 20 feet, cribbed with brick. Highest water level 9.88 below lsd, June 23, 1947; lowest 29.40 below lsd, Dec. 30, 1954. Records available: 1934-55.

Feb. 28	16.37	May 4	18.40	Aug. 2	18.62	Oct. 24	19.68
Mar. 23	17.35	June 6	13.12	30	17.65	Nov. 10	19.40
Apr. 18	17.60	July 18	17.32	Sept. 28	18.82	Dec. 29	20.47

67-38-21C1. Metropolitan Life Insurance Co. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 29 feet, lined with tile. Highest water level 0.00, Apr. 24, 1952; lowest 11.22 below lsd, Sept. 24, 1941. Records available: 1934-55.

Mar. 7	7.75	May 4	6.65	Aug. 2	7.84	Oct. 24	8.70
23	5.82	June 6	7.05	30	8.57	Nov. 10	9.58
Apr. 18	6.47	July 18	7.40	Sept. 28	8.58	Dec. 29	5.55

Palo Alto County

97-34-30Q1. Norman Broadwell. Dug domestic water-table well in glacial drift, diameter 48 to 18 inches, depth 25 feet, cribbed with rock. Highest water level 16.14 below lsd, July 23, 1944; lowest 21.04 below lsd, Nov. 16, 1955. Records available: 1940-45, 1948-55. Feb. 3, 17.05; May 5, 16.17; July 20, 15.63; Nov. 16, 21.04.

96-34-6J1. Electric Park. Drilled water-table well in glacial drift, diameter 18 inches, depth 20 feet, lined with tile. Highest water level 3.10 above lsd, Mar. 29, 1944; lowest 3.11 below lsd, July 23, 1952. Records available: 1940-55. Feb. 3, 0.86; May 5, 0.36; July 20, 2.61; Nov. 16, 2.53.

Polk County

79-22-22A1. J. G. Reed. Dug unused water-table well in glacial drift, diameter 36 inches, depth 39 feet, cribbed with drain tile. Highest water level 2.23 below lsd, Mar. 31, 1942; lowest 8.55 below lsd, Dec. 22, 1950. Records available: 1940-55. Jan. 21, 4.82; Mar. 9, 4.19; Apr. 29, 4.25; July 28, 6.32; Nov. 16, 7.79.

78-25-10N1. City of West Des Moines. Drilled unused water-table well in alluvial sand and gravel, diameter 12 inches, depth 33 feet. Highest water level 8.85 below lsd, July 7, 1952; lowest 24.87 below lsd, Aug. 7, 1954. Records available: 1951-55. Water level affected by nearby wells being pumped.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	21.37	20.95	21.10	22.08	22.60	.....	24.00	23.50	.....	.....	.....
2	.....	21.44	21.24	21.07	21.90	22.55	.....	24.09	23.54	.....	.....	.....
3	21.13	21.42	21.01	21.47	21.98	22.71	.....	24.11	23.57	.....	.....	.....
4	21.17	21.38	21.02	21.12	22.12	.....	.....	24.12	23.55	.....	.....	.....
5	21.17	21.42	20.92	21.17	22.05	.....	.....	24.09	23.42	.....	.....	.....
6	21.27	21.49	21.22	21.19	22.06	.....	.....	23.85	23.61	.....	.....	.....
7	21.18	21.43	20.95	21.26	22.15	.....	.....	23.83	23.66	.....	.....	.....
8	21.18	21.46	20.91	21.49	22.23	.....	.....	23.70	23.66	23.07	.....	.....
9	21.33	21.47	21.00	21.32	22.20	.....	24.00	23.51	23.50	23.04	.....	.....
10	21.22	.....	20.92	21.44	22.15	.....	23.62	23.38	.....	22.98	.....	.....
11	21.27	.....	20.98	21.46	22.15	.....	23.53	23.29	.....	23.09	.....	.....
12	21.23	.....	20.95	21.34	22.22	.....	23.49	23.39	.....	23.09	.....	.....
13	21.29	.....	21.31	21.32	22.22	.....	23.51	23.42	.....	23.06	.....	.....
14	21.25	21.54	20.93	21.31	22.22	.....	23.26	23.25	.....	.....	.....	.....
15	21.36	21.50	21.00	21.31	22.31	.....	23.31	23.38	.....	.....	.....	.....
16	21.43	21.52	21.01	21.33	22.31	.....	23.32	23.30	.....	.....	.....	.....
17	21.38	21.56	21.02	21.73	22.49	.....	23.12	23.37	.....	.....	.....	.....
18	21.46	21.53	20.97	21.39	22.64	.....	.....	23.28	.....	.....	.....	.....
19	21.45	21.52	21.12	21.58	22.50	.....	.....	23.35	.....	.....	.....	.....
20	21.41	21.32	21.17	21.87	22.62	.....	.....	23.50	.....	.....	.....	.....
21	21.37	21.42	21.02	21.72	22.50	.....	.....	.....	.....	.....	.....	.....
22	.....	21.49	21.06	21.62	22.78	.....	.....	.....	.....	.....	.....	.....
23	.....	21.11	21.03	21.67	22.89	.....	23.80	.....	.....	.....	.....	.....
24	.....	21.19	21.08	21.59	22.67	.....	23.88	.....	.....	.....	.....	.....
25	.....	21.27	20.97	21.57	22.88	.....	23.75	.....	.....	.....	.....	.....
26	.....	21.20	21.14	21.77	22.70	.....	23.94	.....	.....	.....	.....	.....
27	.....	21.28	21.24	21.85	22.65	.....	24.00	23.45	.....	.....	.....	.....
28	.....	20.90	21.11	21.77	.....	.....	24.05	23.64	.....	.....	.....	.....
29	.....		21.12	.....	.....	.....	24.10	23.65	.....	.....	.....	.....
30	.....		21.10	21.92	.....	.....	24.10	23.46	.....	.....	.....	.....
31	21.33		21.08		22.63		24.10	23.50		.....		.....

78-24-4P1. S. S. Kresge Co. Seventh and Locust Sts., Des Moines. Drilled unused water-table well in alluvial sand and gravel, diameter 12 inches, depth 58 feet. Highest water level 26.41 below lsd, June 10, 1947; lowest 32.69 below lsd, July 27, 1953. Records available: 1943-55. Jan. 21, 28.58; Apr. 29, 29.24; July 28, 32.47; Nov. 16, 31.22.

Pottawattamie County

74-44-13J1. U. S. Geol. Survey. Lake Manawa. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 12 feet, screen 11-12. Highest water level 3.00 below lsd, May 2, 1951; lowest dry, Dec. 28, 1955. Records available: 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	9.22	Apr. 27	10.02	July 26	11.02	Oct. 13	11.68
31	9.47	May 6	10.30	Aug. 9	11.05	25	11.75
Feb. 24	9.67	23	10.52	26	11.48	Nov. 8	11.74
Mar. 10	9.62	June 1	10.57	Sept. 9	11.54	Dec. 5	11.86
29	9.82	21	10.62	30	11.57	28	(f)
Apr. 18	10.07	July 6	10.58				

f Dry.

74-44-16M1. U. S. Corps of Engineers. Levee relief well near South Omaha bridge. Drilled well in alluvium, diameter 7 inches, depth 37 feet, wooden screen. Highest water level 1.10 above lsd, May 2, 1951; lowest 10.03 below lsd, Dec. 28, 1955. Records available: 1951-55.

74-44-16M1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	9.08	Apr. 27	8.76	July 26	9.09	Oct. 13	9.50
31	9.30	May 6	8.67	Aug. 9	9.35	25	9.45
Feb. 24	9.48	23	8.51	26	9.50	Nov. 8	9.30
Mar. 10	9.41	June 1	8.58	Sept. 9	9.64	Dec. 5	9.85
29	9.15	21	8.63	30	9.58	28	10.03
Apr. 18	8.93	July 6	8.78				

74-43-18E1. U. S. Geol. Survey. NE. corner of Manawa Park. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 16 feet, screen 14-16. Highest water level 0.45 below lsd, May 2, 1951; lowest 10.52 below lsd, Dec. 28, 1955. Records available: 1950-55.

Jan. 14	7.68	Apr. 27	8.15	July 26	9.09	Oct. 13	9.97
31	7.92	May 6	8.46	Aug. 9	9.27	25	10.07
Feb. 24	7.94	23	8.77	26	9.57	Nov. 8	10.17
Mar. 10	7.83	June 1	8.83	Sept. 9	9.78	Dec. 5	10.39
29	8.05	21	8.92	30	9.96	28	10.52
Apr. 18	8.35	July 6	8.80				

Sac County

89-38-26A2. City of Schaller. Drilled public-supply artesian well in Dakota sandstone, diameter 10 to 8 inches, depth 352 feet, cased to 352, perforations 304-352. Highest water level 210.04 below lsd, Mar. 25, 1948; lowest 225.02 below lsd, May 2, 1947. Records available: 1940-55. Feb. 2, 221.28; May 4, 221.12; July 19, 221.30.

86-36-4N1. State Conservation Commission. Dug unused water-table well in glacial drift, diameter 36 inches, depth 9 feet, cribbed with concrete blocks. Highest water level 2.48 below lsd, June 28, 1945; lowest 7.80 below lsd, Nov. 15, 1955. Records available: 1940-55. Feb. 2, 5.73; May 4, 4.95; July 19, 6.25; Nov. 15, 7.80.

Sioux County

95-45-5A1. City of Sioux Center. Drilled unused artesian well in Dakota sandstone, diameter 5 inches, depth 456 feet. Land-surface datum is about 1,454 feet above msl. Highest water level 266.94 below lsd, Sept. 8, 1945; lowest 269.09 below lsd, July 14, 1948. Records available: 1939-45, 1948-49, 1952-55. Feb. 2, 268.82; May 4, 268.54; July 19, 268.71; Nov. 15, 268.29.

Story County

83-24-2Q1. City of Ames. Drilled unused artesian well in glacial sand and gravel, diameter 20 inches, depth 110 feet. Land-surface datum is about 925 feet above msl. Highest water level 39.84 below lsd, June 3, 1951; lowest 59.30 below lsd, June 1, 1948. Records available: 1947-55. Water levels affected by nearby pumping well.

Daily highest water level from recorder graph*

Day	Jan.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	48.03	.....	49.32	49.15	54.83	50.28	53.22	51.85	54.35
2	48.03	.....	48.09	54.28	54.91	52.67	53.20	54.06	54.37
3	48.15	.....	53.58	49.08	54.94	52.60	53.24	54.00	54.37
4	50.80	53.23	48.65	49.44	55.51	52.60	53.30	.....	54.40
5	48.29	48.22	48.47	49.53	55.99	52.64	53.29	.....	54.45
6	48.27	48.34	48.42	53.39	56.03	52.59	53.35	.....	54.45
7	48.09	47.98	49.00	53.37	49.97	52.65	53.34	.....	54.49
8	48.10	47.73	48.28	53.43	50.13	52.82	53.35	.....	54.53
9	48.41	52.77	48.44	53.47	50.54	52.70	53.32	.....	54.55
10	48.08	47.50	48.53	52.60	54.93	53.27	53.35	.....	54.58
11	52.36	47.53	48.37	48.76	55.01	52.78	53.40	.....	54.51
12	49.90	52.78	48.15	48.66	50.25	52.78	51.50	.....	54.57
13	48.68	53.03	48.27	54.60	55.34	52.82	53.77	.....	54.55
14	48.37	50.00	48.50	54.77	49.97	52.94	53.54	54.00	54.63
15	48.24	47.78	48.55	48.74	50.28	52.99	53.50	54.05	54.65
16	48.43	48.05	50.62	49.34	55.44	55.64	53.53	54.15	52.60
17	48.41	50.00	48.55	48.25	50.27	54.50	53.51	54.20	52.31
18	48.43	47.94	53.94	52.30	55.56	53.34	53.60	54.20	54.56
19	48.50	53.31	48.48	48.82	50.89	53.24	53.65	51.97	52.10
20	48.60	48.26	48.82	53.67	55.69	56.38	53.60	54.14	54.50

83-24-2Q1--Continued.

Day	Jan.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	48.39	53.58	54.00	49.35	50.55	50.98	53.65	54.18	52.18
22	48.39	53.63	48.79	54.19	50.50	53.17	53.67	52.17	52.23
23	48.39	53.67	53.87	49.25	50.69	53.10	53.66	54.24	54.38
24	48.55	48.40	54.09	49.19	50.47	53.09	53.72	54.21	52.20
25	48.53	48.75	54.12	49.17	50.49	53.06	53.78	54.15	54.25
26	48.60	48.45	54.13	54.39	50.42	53.06	53.85	51.74	52.06
27	48.55	48.39	49.17	54.53	50.65	53.08	53.80	54.10	54.25
28	48.43	48.47	49.47	54.65	50.50	53.46	53.84	51.80	52.24
29	48.49	47.97	53.84	54.70	50.64	53.21	53.85	54.15	52.40
30	48.52	47.77	53.22	54.78	50.44	53.20	53.83	54.35	54.42
31	.....	48.06		54.84	50.18		53.83		54.66

* No record for February, March, and April.

Daily lowest water level from recorder graph*

Day	Jan.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	52.36	.....	53.75	54.60	55.52	55.67	53.33	57.06	54.43
2	52.30	.....	53.75	54.77	55.48	55.00	53.32	57.15	54.45
3	52.38	.....	54.05	54.51	55.81	52.87	53.35	54.08	54.48
4	52.44	53.37	53.91	54.50	56.44	52.88	53.38	.....	54.46
5	52.50	53.36	53.75	54.93	56.60	52.96	53.46	.....	54.48
6	52.55	53.25	53.85	53.89	56.55	53.00	53.46	.....	54.51
7	52.40	53.26	53.81	53.88	56.19	55.94	53.46	.....	54.55
8	52.43	53.15	53.67	53.91	55.88	55.87	53.45	.....	54.61
9	52.44	53.07	53.85	54.87	55.20	56.20	53.41	.....	54.63
10	52.35	52.81	53.71	54.74	55.41	56.12	53.46	.....	54.65
11	53.18	52.78	53.71	52.71	55.71	53.27	53.50	.....	54.59
12	53.35	53.03	53.63	54.88	55.65	52.90	56.64	.....	54.61
13	53.32	53.22	53.65	55.12	55.81	55.95	56.73	.....	54.70
14	53.25	53.45	53.95	55.27	55.57	53.42	53.77	54.10	54.70
15	53.30	53.25	54.09	54.98	55.69	55.64	53.60	54.15	54.75
16	53.27	53.36	54.25	52.70	55.96	56.63	53.60	54.20	54.73
17	53.30	53.38	54.21	52.47	55.86	56.79	53.70	54.29	54.58
18	53.38	53.31	54.32	52.91	56.02	54.50	53.70	54.26	54.65
19	53.35	53.78	54.02	53.76	55.98	56.60	53.70	54.28	54.65
20	53.23	53.78	54.23	54.25	56.29	56.74	53.77	54.20	54.63
21	53.32	54.00	54.46	54.49	55.89	56.54	53.80	54.25	54.71
22	53.35	53.94	54.20	54.75	55.96	55.00	53.78	54.25	54.57
23	53.17	54.15	54.38	54.60	55.96	53.31	53.78	54.30	54.65
24	53.37	53.88	54.42	54.48	55.93	53.23	53.80	54.30	54.71
25	53.37	53.87	54.48	54.66	55.98	53.20	53.86	54.28	54.65
26	53.37	53.86	54.44	55.00	55.98	53.16	53.97	54.26	54.65
27	53.26	53.77	54.55	55.09	55.97	56.29	53.92	54.25	54.67
28	53.27	53.65	54.57	55.19	55.90	56.48	53.93	54.25	54.70
29	53.37	53.43	54.47	55.26	55.95	53.46	53.94	54.38	54.71
30	53.23	53.20	54.74	55.37	55.82	53.34	53.93	54.40	54.71
31	.....	53.40		55.26	55.71		54.00		54.76

* No record for February, March, and April.

83-24-4Q1. Iowa State College. Ames. Drilled unused artesian well in Jordan sandstone, diameter 12 to 5 inches, depth 2,250 feet, cased to 1,970. Highest water level 39.19 below lsd, May 13, 1942; lowest 46.34 below lsd, Aug. 2, 1954. Records available: 1939-55. Feb. 1, 42.76; May 3, 42.04; July 18, 44.48; Nov. 14, 44.44.

83-24-4R1. Iowa State College. Ames. Dug unused water-table well in glacial drift, diameter 36 inches, depth 33 feet, cribbed with brick. Highest water level 6.31 below lsd, Apr. 25, 1947; lowest 25.34 below lsd, Apr. 2, 1951. Records available: 1942-55. Feb. 1, 19.08; May 3, 13.99; July 18, 12.70; Nov. 14, 14.80.

83-24-20J1. Agricultural Engineering Experiment Station. Dug unused water-table well in glacial drift, diameter 36 inches, depth 38 feet, cribbed with brick. Highest water level 5.90 below lsd, May 31, 1944; lowest 26.09 below lsd, July 14, 1939. Records available: 1939-55. Feb. 1, 9.30; May 3, 8.22; July 18, 9.20.

Wapello County

72-14-24Q1. Iowa Geol. Survey. Driven observation water-table well in sand and gravel, diameter $1\frac{1}{4}$ inches, depth 23 feet, screen 21-23. Highest water level 4.03 below lsd, June 6, 1951; lowest 8.60 below lsd, Oct. 29, 1953. Records available: 1951-55. Jan. 20, 5.90; Apr. 29, 5.16; July 26, 7.69; Nov. 15, 7.90.

72-14-25C1. City of Ottumwa. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 17 feet, screen 15-17. Highest water level 0.08 above lsd, June 6, 1951; lowest 7.82 below lsd, Oct. 29, 1953. Records available: 1951-55. Jan. 20, 4.09; Apr. 29, 2.76; July 26, 5.99; Nov. 15, 6.78.

Warren County

76-25-8Q1. Iowa State College. Dug domestic water-table well in glacial drift, diameter 36 inches, depth 30 feet, cribbed with rock. Highest water level 3.95 below lsd, Jan. 4, 1946; lowest 27.75 below lsd, Feb. 4, 1954. Records available: 1940-55. Jan. 21, 24.47; Apr. 29, 17.30; July 28, 13.51.

Webster County

90-30-26A1. County of Webster. Clare. Drilled domestic water-table well in glacial sand, depth 37 feet, lined with tile. Highest water level 4.91 below lsd, June 27, 1951; lowest 26.19 below lsd, Dec. 29, 1945. Records available: 1942-55. Feb. 2, 10.36; May 5, 7.83; July 20, 11.91; Nov. 17, 18.33.

90-28-1B1. Ed Askland. Drilled stock water-table well in glacial drift, diameter 18 inches, depth 43 feet, lined with tile. Land-surface datum is about 1,155 feet above msl. Highest water level 2.44 below lsd, Apr. 30, 1952; lowest 15.70 below lsd, Dec. 22, 1949. Records available: 1942-43, 1945-54. No measurement made in 1955.

90-28-8Q1. S. E. Hovey. Drilled domestic water-table well in glacial drift, depth 32 feet, lined with tile. Land-surface datum is about 1,130 feet above msl. Highest water level 4.66 below lsd, June 28, 1951; lowest 11.26 below lsd, Nov. 17, 1955. Records available: 1942-55. Feb. 2, 7.25; May 5, 6.22; July 20, 7.91; Nov. 17, 11.26.

90-27-31N1. C. S. Knudson. Drilled unused water-table well in glacial drift, diameter 15 inches, depth 53 feet, lined with tile. Land-surface datum is about 1,125 feet above msl. Highest water level 4.08 below lsd, June 28, 1951; lowest 13.90 below lsd, Dec. 17, 1948. Records available: 1942-43, 1948-54. No measurement made in 1955.

89-30-23R1. Johnson Township Consolidated School. Barnum. Drilled unused artesian well in sandstone, diameter 4 inches, depth 203 feet, cased to bottom. Highest water level 30.86 below lsd, July 2, 1945; lowest 35.36 below lsd, June 22, 1950. Records available: 1942-45, 1947-55. Feb. 2, 33.26; May 5, 33.31; Nov. 17, 34.82.

88-29-11C1. C. F. Madson. Drilled domestic water-table well in glacial drift, diameter 14 inches, depth 55 feet, lined with tile. Land-surface datum is about 1,130 feet above msl. Highest water level 3.65 below lsd, Apr. 4, 1951; lowest 13.32 below lsd, Jan. 14, 1954. Records available: 1942-54. No measurement made in 1955.

87-28-29N1. Grant Spangler. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 42 feet, lined with tile. Land-surface datum is about 1,165 feet above msl. Highest water level 0.52 below lsd, June 12, 1947; lowest 11.92 below lsd, Dec. 30, 1955. Records available: 1942-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.58	4.98	4.96	3.60	3.56	4.54	4.88	5.95	7.78	7.47	9.21	.....
2	4.66	5.04	4.98	3.65	3.60	4.60	4.95	6.00	7.78	7.50	9.33	.....
3	4.63	5.08	4.85	3.67	3.65	4.64	5.07	6.04	7.83	7.55	9.47	.....
4	4.61	5.04	4.87	3.60	3.72	4.23	5.15	6.11	7.89	7.50	9.43	.....
5	4.59	4.99	4.94	3.64	3.77	4.22	5.22	6.19	7.97	7.45	9.36	h11.28
6	4.68	5.03	4.88	3.71	3.75	4.31	5.27	6.23	7.98	7.45	9.48	.....
7	4.66	5.07	4.88	3.76	3.83	4.25	5.29	6.31	8.06	7.43	9.58	.....
8	4.64	5.03	4.83	3.76	3.68	4.35	5.27	6.35	8.09	7.52	9.75	.....
9	4.70	5.04	4.81	3.79	3.78	4.42	5.28	6.39	8.10	7.51	9.71	.....
10	4.74	5.14	4.77	3.80	3.77	4.50	4.60	6.48	8.25	7.55	9.67	.....
11	4.72	5.15	4.83	....	3.83	4.43	4.52	6.55	8.39	7.56	9.70	.....
12	4.72	5.19	4.85	....	3.87	4.48	4.64	6.60	8.43	7.72	9.92	.....
13	4.77	5.10	4.84	....	3.92	4.56	4.73	6.66	8.42	....	10.05	h11.37
14	4.67	5.12	4.77	....	3.98	4.62	4.79	6.72	8.45	....	10.20	.....
15	4.77	5.09	4.48	....	4.00	4.67	4.86	6.77	8.50	....	10.12	.....
16	4.79	5.12	4.48	....	4.02	4.72	4.94	6.82	8.52	8.11	10.22	.....
17	4.82	5.11	4.45	....	4.07	4.75	5.01	6.86	8.60	8.15	10.41	.....
18	4.84	5.05	4.45	....	4.10	4.79	5.07	6.93	8.68	8.22	10.51	.....
19	4.87	5.02	4.42	....	4.13	4.50	5.14	6.97	8.75	....	10.53	.....
20	4.82	4.98	4.45	....	4.17	4.53	5.20	7.00	8.78	....	10.56	.....

87-28-29N1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	4.77	5.07	4.43	....	4.22	....	5.27	7.05	8.47	....	10.46	.....
22	4.82	5.07	4.42	4.01	4.24	4.59	5.32	7.15	8.10	....	.....	.....
23	4.87	5.05	4.42	3.99	4.27	4.67	5.32	7.21	8.00	....	.....	.....
24	4.86	5.09	4.46	3.00	4.34	4.71	5.40	7.25	8.00	....	.....	.....
25	4.92	5.00	4.44	3.03	4.38	4.78	5.43	7.30	8.02	....	.....	.....
26	4.95	4.97	4.41	3.17	4.37	4.85	5.52	7.33	8.00	8.82	.....	.....
27	4.93	4.96	4.42	3.25	4.42	....	5.57	7.39	7.67	8.79	.....	.....
28	4.94	4.95	4.30	3.41	4.42	....	5.64	7.48	7.45	8.87	.....	.....
29	4.91		3.78	3.52	4.38	....	5.70	7.51	7.28	8.89	.....	.....
30	4.98		3.40	3.55	4.45	....	5.76	7.60	7.39	9.01	.....	.....
31	4.93		3.49		4.50		5.85	7.71		9.00		11.83

h Tape measurement.

86-30-5C1. E. C. Monson. Drilled stock artesian well in sandstone of Pennsylvanian age, diameter 6 inches, reported depth 225 feet, cased to 214. Highest water level 55.67 below lsd, Apr. 28, 1946; lowest 63.40 below lsd, Nov. 17, 1955. Records available: 1942-55. Feb. 2, 62.56; May 5, 58.55; July 20, 62.67; Nov. 17, 63.40.

86-29-14A1. F. E. Castenson. Drilled unused water-table well in glacial sand, diameter 12 inches, depth 39 feet, lined with tile. Land-surface datum is about 1,150 feet above msl. Highest water level 3.02 below lsd, June 22, 1950; lowest 11.24 below lsd, Jan. 14, 1954. Records available: 1942-55. Feb. 2, 5.53; May 5, 4.39; July 20, 5.00; Nov. 17, 9.87.

86-28-14H1. Town of Dayton. Drilled municipal artesian well in limestone of Devonian age, diameter 13 to 8 inches, depth 1,240 feet, cased 0-505, 770-966. Land-surface datum is about 1,120 feet above msl. Highest water level 69.93 below lsd, Nov. 17, 1942; lowest 97.28 below lsd, Feb. 2, 1955. Records available: 1942-48, 1952-55. Feb. 2, 97.28; July 20, 91.40.

86-27-4D1. A. B. Davis. Drilled domestic stock artesian well in sandstone of Pennsylvanian age, diameter 5 inches, depth 225 feet, reported cased to 200. Land-surface datum is about 1,105 feet above msl. Highest water level 104.52 below lsd, Apr. 28, 1946; lowest 109.29 below lsd, Mar. 31, 1949. Records available: 1942-52. No measurement made in 1955.

Woodbury County

89-47-22B2. Sioux City. 2600 Hawkeye Dr. Drilled unused artesian well in Dakota sandstone, diameter 26 to 16 inches, depth 343 feet, perforations 148-343. Land-surface datum is about 1,108 feet above msl. Highest water level 11.63 below lsd, Apr. 16, 1952; lowest 29.40 below lsd, Aug. 27, 1949. Records available: 1949-55. Water levels affected by pumping of nearby wells.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.24	22.01	22.08	20.73	21.64	22.47	23.16	24.10	26.22	22.63	22.33	.....
2	20.40	22.08	21.83	20.60	21.62	22.62	23.27	25.40	26.20	22.49	23.03	.....
3	20.38	22.37	21.75	20.50	21.62	22.85	22.57	25.87	25.33	22.23	23.31	.....
4	20.49	21.97	21.65	20.75	22.31	22.09	22.45	26.50	25.08	21.93	23.21	.....
5	20.47	21.75	21.74	20.93	21.93	21.69	22.43	26.42	24.96	21.79	23.16	.....
6	20.93	21.82	21.52	20.74	21.74	21.52	23.11	25.81	24.89	21.92	23.14	.....
7	20.56	20.79	20.71	20.89	22.35	21.67	24.62	25.23	24.83	22.01	22.94	.....
8	21.11	20.54	20.57	20.89	21.82	21.22	25.05	24.01	24.68	21.83	22.19	.....
9	20.35	20.53	21.17	21.22	21.62	21.58	24.30	23.69	24.65	21.72	22.42	.....
10	19.98	21.08	21.31	21.67	21.61	21.78	23.80	23.58	24.17	21.65	21.75	.....
11	19.98	20.98	21.62	21.97	21.55	21.83	23.82	23.47	22.95	21.21	22.26	.....
12	20.24	21.53	22.32	21.75	21.44	21.58	23.97	23.39	22.76	21.20	21.91	.....
13	19.92	21.80	21.65	21.22	22.04	21.52	23.50	23.91	23.57	21.10	21.67	.....
14	19.80	22.13	21.60	20.95	22.40	21.68	23.43	23.78	24.92	20.98	21.34	.....
15	20.43	22.62	21.70	20.60	22.84	21.64	23.91	23.66	25.32	20.86	21.35	.....
16	20.45	22.85	21.41	20.60	22.99	21.41	23.86	23.96	25.35	20.95	21.44	.....
17	20.62	22.95	21.55	21.68	22.97	20.77	23.89	23.91	26.05	20.91	21.69	.....
18	21.28	21.83	20.60	21.90	22.86	20.72	24.01	24.51	25.52	20.81	21.51	.....
19	21.35	21.00	20.60	22.23	23.26	20.63	23.93	24.83	24.96	20.77	21.34	.....
20	21.27	20.77	20.60	21.85	23.81	20.56	23.91	25.16	24.58	20.77	21.26	.....
21	21.25	20.77	20.85	21.60	24.27	21.74	23.92	24.95	24.27	20.93	21.24	.....
22	21.27	20.87	20.96	21.50	24.11	22.69	24.05	24.46	23.11	20.68	.....	.....
23	21.23	20.63	21.16	21.87	24.06	23.10	23.98	25.06	22.65	20.68	.....	.....
24	21.19	21.27	21.10	21.50	23.76	22.44	23.15	25.29	22.39	20.82	.....	.....
25	22.09	21.15	21.58	21.32	23.54	22.34	22.17	26.03	22.05	21.40	.....	.....

89-47-22B2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	22.37	22.12	21.53	21.57	22.28	21.44	22.38	26.67	21.63	21.69	.....	.....
27	22.59	21.82	21.85	21.55	22.28	21.38	23.25	26.96	21.82	21.75	.....	.....
28	22.64	21.91	21.39	21.62	22.43	21.84	24.65	25.93	22.34	21.91	.....	.....
29	22.15		21.72	21.92	22.17	21.79	24.75	25.86	22.28	21.87	.....	.....
30	22.47		21.75	21.84	21.94	22.44	24.57	25.66	22.60	21.74	.....	.....
31	21.78		21.36		22.17		24.20	25.71		21.54		.....

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.62	23.07	22.60	21.37	21.84	22.64	23.30	25.40	26.34	22.72	23.03	.....
2	20.60	23.04	22.32	21.18	21.70	23.00	23.39	26.20	26.27	22.72	23.39	.....
3	20.84	22.60	22.05	20.80	22.70	23.19	23.47	26.50	26.27	22.56	23.43	.....
4	20.84	22.37	21.75	21.10	22.76	22.86	22.57	26.89	25.57	22.25	23.38	.....
5	20.99	21.97	21.82	21.33	22.30	22.08	23.11	26.96	25.57	21.93	23.45	.....
6	21.01	21.97	21.75	21.26	22.35	21.76	24.62	26.46	24.96	22.02	23.57	.....
7	21.38	21.95	21.63	21.34	22.83	21.76	24.33	25.81	24.99	22.05	23.14	.....
8	21.52	20.80	21.17	21.75	22.63	21.69	25.67	25.23	24.86	22.05	23.03	.....
9	21.27	21.18	21.47	21.75	21.81	21.78	25.67	24.01	25.09	21.85	22.69	.....
10	20.36	21.62	21.61	21.97	21.72	21.89	24.30	23.69	25.02	21.96	22.69	.....
11	20.52	21.60	22.32	22.11	21.61	21.90	24.25	23.63	24.17	21.65	22.89	.....
12	20.62	21.80	22.75	22.20	22.10	21.83	24.25	23.91	23.57	21.32	22.89	.....
13	20.24	22.13	22.70	21.76	22.40	21.68	24.10	24.46	25.26	21.21	21.91	.....
14	20.43	22.62	21.70	21.50	22.84	21.82	24.00	24.54	25.57	21.17	21.70	.....
15	20.53	22.85	21.84	20.95	22.98	21.94	24.01	24.50	26.02	21.00	21.61	.....
16	20.83	23.10	21.93	21.68	23.15	22.30	24.01	24.56	26.45	21.13	21.69	.....
17	21.38	23.10	21.66	21.95	23.31	21.41	24.01	24.51	26.86	21.11	21.87	.....
18	21.52	22.97	21.70	22.70	23.56	20.90	24.11	24.91	26.94	20.95	21.90	.....
19	21.52	21.83	21.40	22.92	23.81	20.90	24.04	25.51	25.51	20.91	21.65	.....
20	21.46	21.00	21.47	22.25	24.27	21.73	24.03	25.61	25.15	21.01	21.51	.....
21	21.46	21.37	21.08	21.87	24.51	22.69	24.13	25.71	24.70	21.05	21.82	.....
22	21.47	21.37	21.65	21.94	24.46	23.11	24.13	25.25	24.27	20.93	.....	.....
23	21.36	21.27	21.57	22.25	24.23	23.24	24.13	25.76	23.11	20.82	.....	.....
24	22.09	21.45	21.70	21.87	24.20	23.24	23.98	26.03	22.65	21.40	.....	.....
25	22.68	22.12	21.78	22.04	24.12	22.44	23.15	26.67	22.38	21.69	.....	.....
26	22.77	22.67	22.05	21.85	23.51	22.38	23.25	26.96	22.05	21.78	.....	.....
27	22.92	22.75	22.31	21.62	22.47	22.14	24.70	27.17	22.41	21.92	.....	.....
28	22.97	22.52	21.87	21.92	22.48	22.14	24.76	27.15	22.49	22.03	.....	.....
29	22.64		22.09	21.98	22.49	22.44	24.94	26.67	22.60	22.03	.....	.....
30	22.55		22.00	21.98	22.17	23.16	24.97	26.25	22.71	22.25	.....	.....
31	22.49		21.75		22.47		24.99	26.23		22.33		.....

KANSAS

By Betty J. Mason

Scope of Water-Level Program

The observation-well program in Kansas was continued during 1955 in cooperation with the State Geological Survey, the Division of Water Resources of the State Board of Agriculture, and the Division of Sanitation of the State Board of Health. The city of Wichita cooperated in Harvey, McPherson, and Sedgwick Counties. The observation-well program was continued in the Missouri Basin in cooperation with the U. S. Bureau of Reclamation. The program included the maintenance and measurement of a network of observation wells to provide data on changes in storage of principal ground-water reservoirs. Measurements were being made in 541 wells at the end of 1955. The locations of the observation wells are shown on figures 8-12. Continuous records of water levels were obtained for 11 wells from recording gages.

Three reports in regard to ground-water investigations were published by the State Geological Survey of Kansas: Bulletin 110, Geology and ground-water resources of Graham County, by G. C. Prescott; Bulletin 115, Geology and ground-water resources of Jewell County, by V. C. Fishel and A. R. Leonard; and Volume 13, Geology and ground-water resources of Osage County, by H. G. O'Connor.

Precipitation

Continuing a 3-year pattern, 1955 was warm and dry. The precipitation pattern alternated between 2 and 3 months of deficits and a month of above-average amounts, leaving the statewide drought virtually unbroken. Annual precipitation amounts varied in a west-east pattern increasing from the State minimum of 8.96 inches at Tribune to the State maximum of 44.56 inches at La Cygne. The northwestern part of the State received 71 percent of normal; the southwestern part about 92 percent of normal. The State had an average deficit of 4.44 inches. Many stations reported less than 0.01 inch for periods of up to 3 months. January, February, May, and September had above-normal precipitation; July and August had the greatest below-normal precipitation. The cumulative deficiency over the period 1952-55 at many stations was equal to one year's normal precipitation.

Interpretation of Water-Level Fluctuations

The drought in Kansas that started at the end of 1951 continued throughout 1955. Accordingly, the ground-water levels generally declined. The hydrographs of Finney County well 1 and Sedgwick County well 12 are shown in figure 13. These wells, reflecting natural fluctuations in water levels, show the general decline, except for the deep-water areas in the western part of the State, caused by the drought during the period 1951 through 1955. The water levels in both wells in 1951 were at the highest stages during the period of record beginning in 1936 and 1937. Since 1951 the water levels have had a downward trend. The water level in Finney County well 1 generally recovers during the late fall and winter and then declines during the summer and early fall. At the end of 1955, the water level was about 0.4 foot lower than at the beginning of the year and was about 12.3 feet lower than the high stage of 1951. The lowest level during the period of record was in September 1955. The water level in Sedgwick County well 12 declined almost steadily from its highest stage in July 1951 to its lowest stage in September 1955. The decline during the 4-year period was about 9.4 feet. The water level rose about 0.8 foot during October 1955 and at the end of the year was about 0.6 foot higher than at the beginning.

Well-Numbering System

Wells are either numbered serially within counties or are given a location number in accordance with the Bureau of Land Management system of land subdivision. In the location system, the first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. The first letter denotes the 160-acre tract, the second the

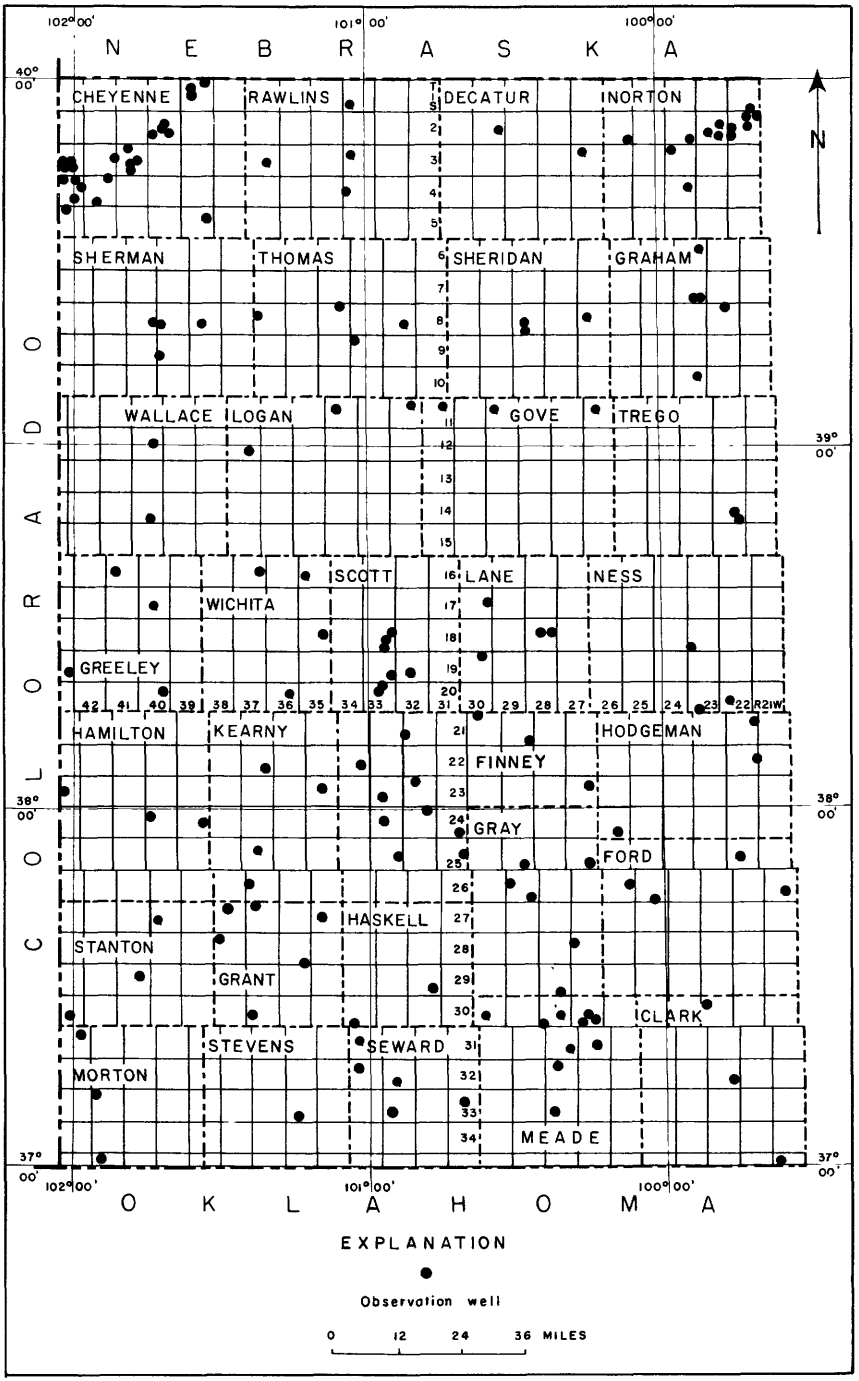


Figure 8. --Location of observation wells in western Kansas, 1955.

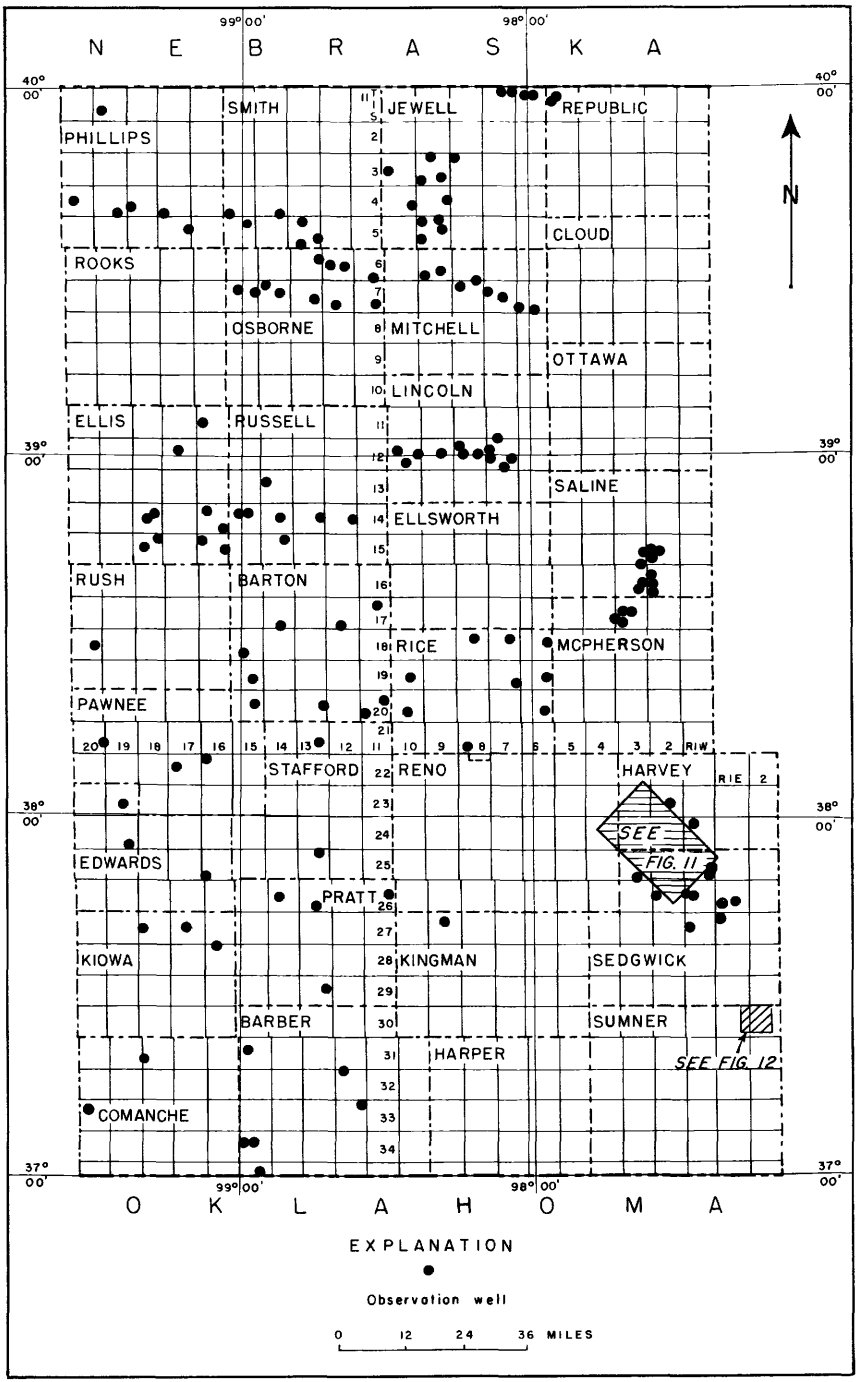


Figure 9.--Location of observation wells in central Kansas, 1955.

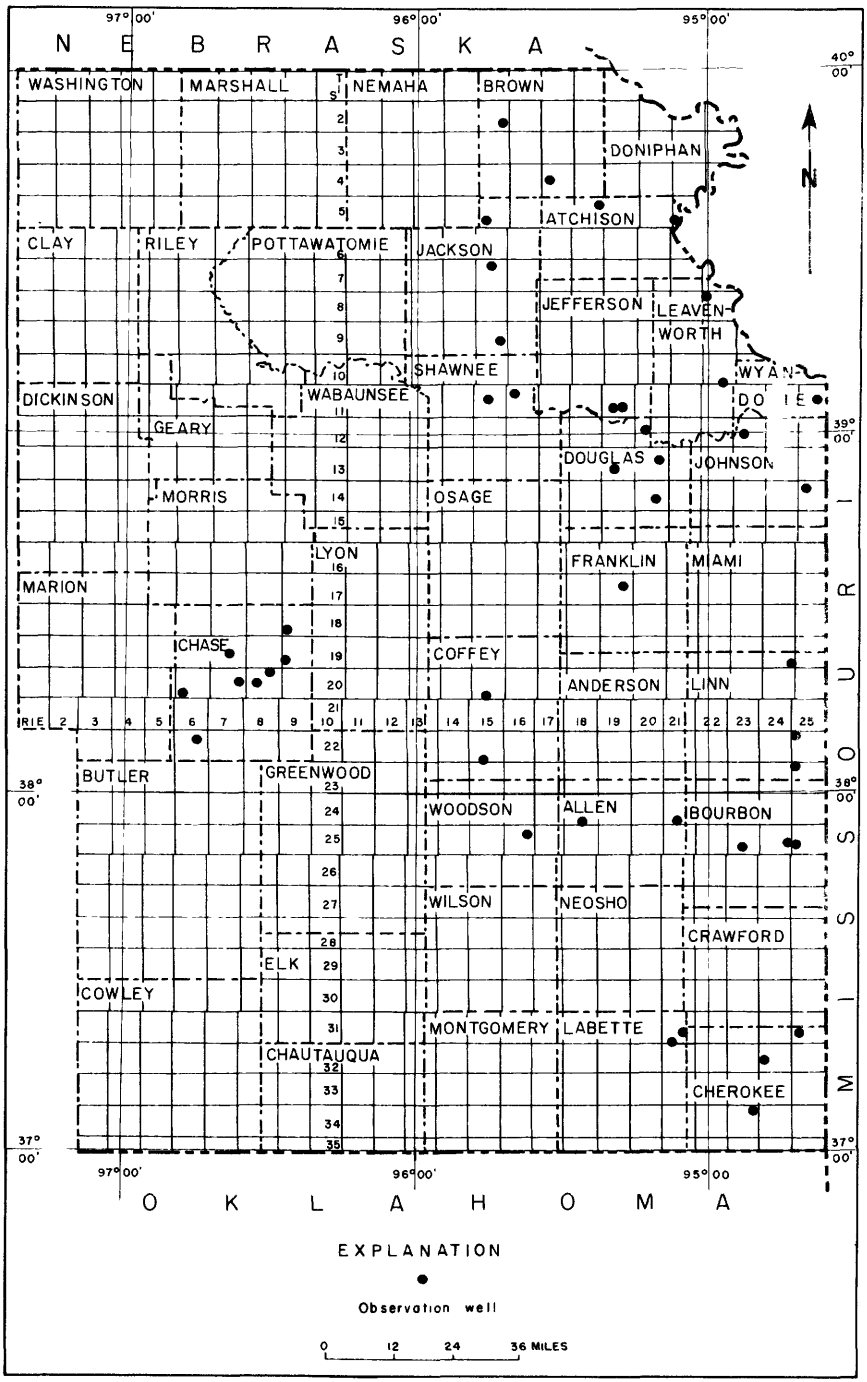


Figure 10. --Location of observation wells in eastern Kansas, 1955.

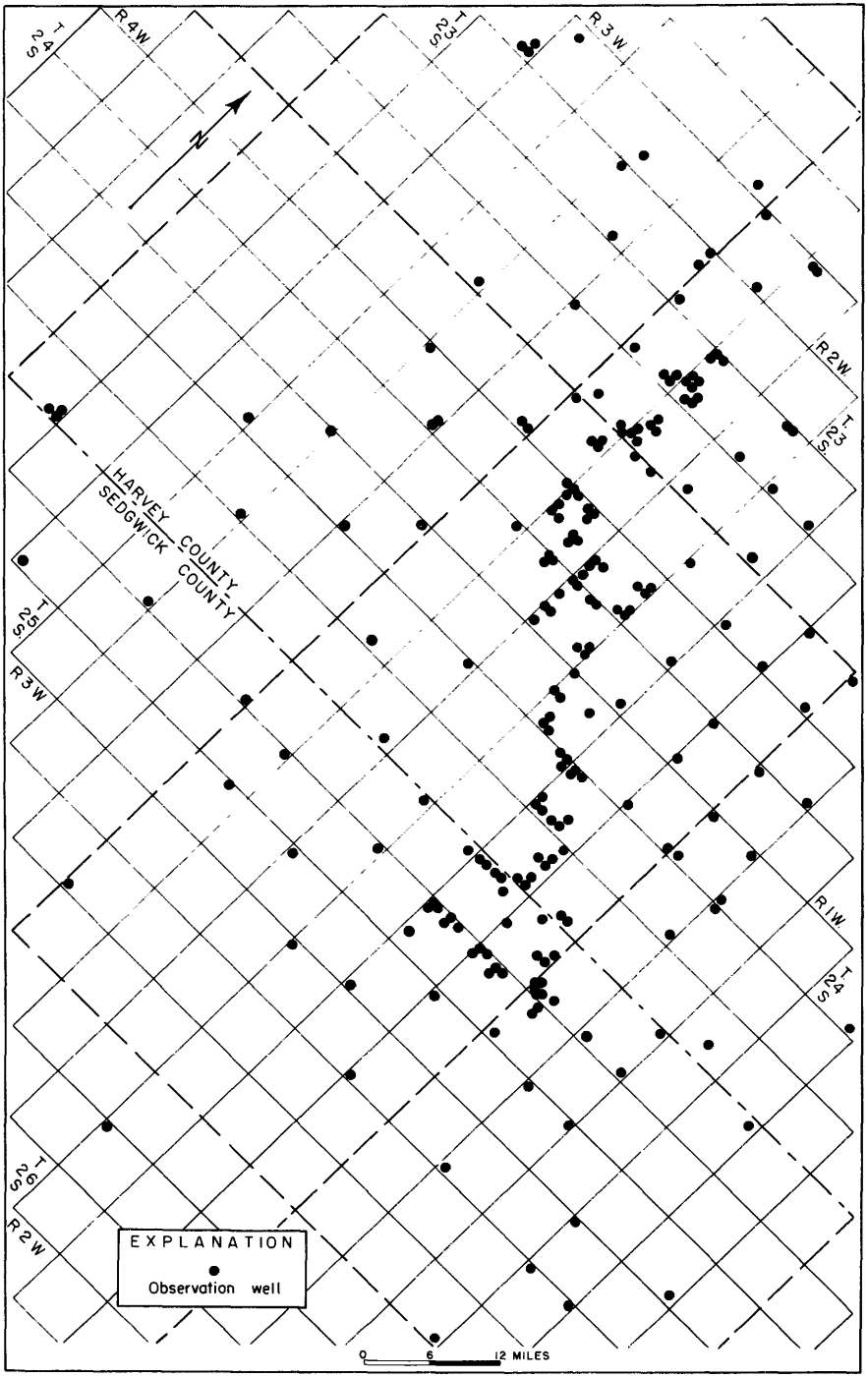


Figure 11. --Location of observation wells in parts of Harvey and Sedgwick Counties, Kans., 1955.

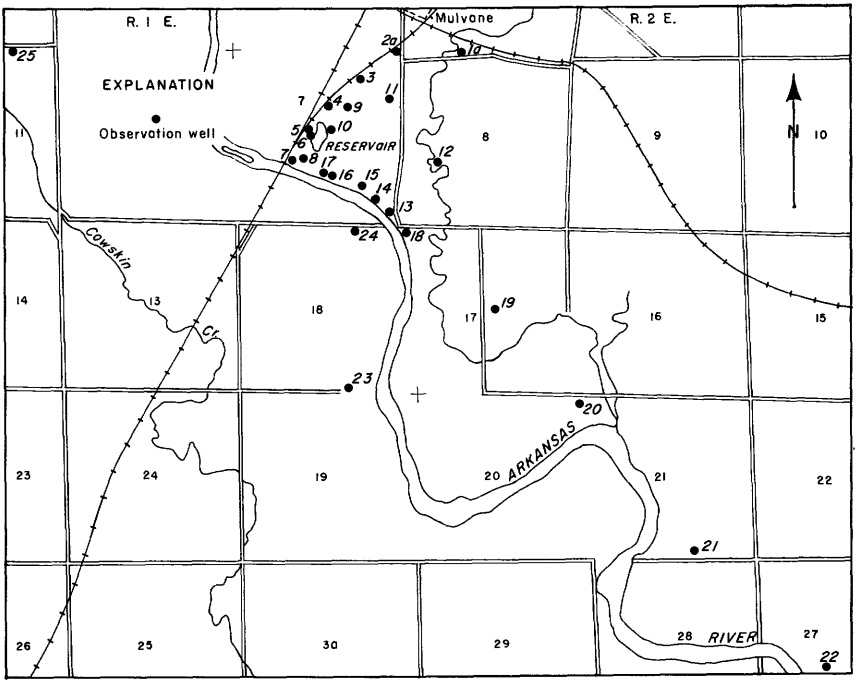


Figure 12. --Location of observation wells in Sumner County, Kans., 1955.

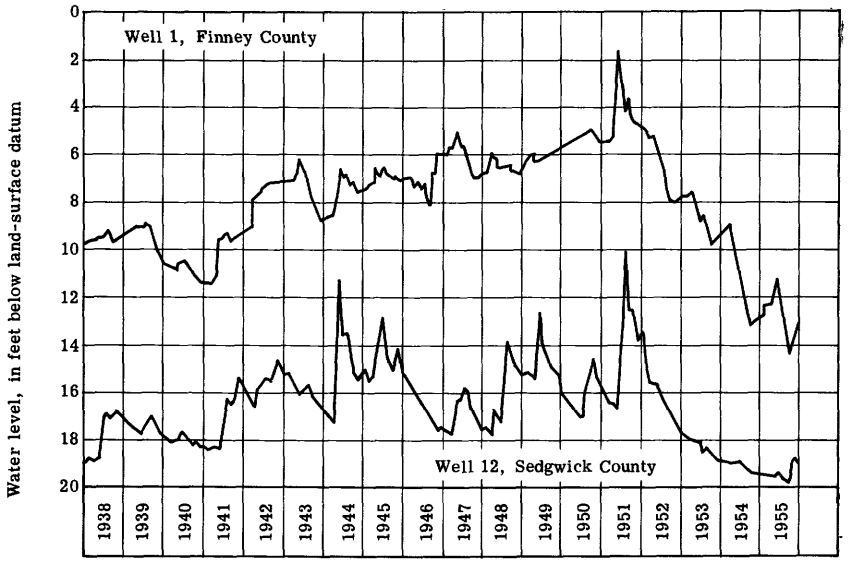
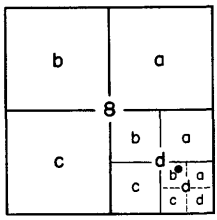


Figure 13. --Water level in Finney County well 1 and Sedgwick County well 12, Kansas, 1938-55.

40-acre tract, and the third the 10-acre tract. Thus, in Cheyenne County, the number 1-38-8ddb indicates that the well is in the NW¼SE¼SE¼ sec. 8, T. 1 S., R. 38 W.



Section

Well Descriptions and Water-Level Measurements

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

Allen County

24-18-33baa. Arnold Estate. Dug unused water-table well in Chanute shale, diameter 5 feet, depth 19 feet, cribbed with rock. Highest water level 8.87 below lsd, Mar. 1, 1949; lowest 13.18 below lsd, June 7, 1948. Records available: 1948-52. Measurement discontinued.

24-21-33dcd. J. F. Harris. Drilled unused water-table well, diameter 12 to 10 inches. Highest water level 37.35 below lsd, Mar. 1, 1949; lowest 41.35 below lsd, Apr. 18, 1951. Records available: 1948-52. Measurement discontinued.

Atchison County

5-18-3dd. Lee Savage. Dug unused water-table well in glacial deposits, diameter 36 inches, depth 10 feet, cribbed with rock. Highest water level 0.39 below lsd, Sept. 27, 1951; lowest 2.57 below lsd, Nov. 27, 1948, Feb. 9, 1949. Records available: 1948-52. Measurement discontinued.

6-21-32d. L. A. Walker. Dug unused water-table well in glacial deposits, diameter 5 feet, depth 13 feet, cribbed with rock. Highest water level 3.19 below lsd, Apr. 15, 1949; lowest 8.76 below lsd, Nov. 27, 1948. Records available: 1948-52. Measurement discontinued.

Barber County

1. D. S. Shaw. SE¼NW¼ sec. 19, T. 31 S., R. 15 W. Drilled unused water-table well in deposits of Permian age, diameter 8 to 6 inches, depth 97 feet. Highest water level 56.40 below lsd, June 20, 1951; lowest 82.99 below lsd, Oct. 17, 1940. Records available: 1940-55. Mar. 16, 72.38; June 13, 72.50; Sept. 19, 74.94; Dec. 7, 72.58.

4. Madge Evans. SW¼SE¼ sec. 4, T. 32 S., R. 12 W. Drilled irrigation water-table well in alluvium, diameter 16 inches, depth 42 feet. Highest water level 12.50 below lsd, June 22, 1949; lowest 18.31 below lsd, June 13, 1955. Records available: 1940-55. June 13, 18.31; Sept. 19, 18.20; Dec. 7, 16.38.

5. R. Kenney. NE¼NW¼ sec. 1, T. 33 S., R. 12 W. Dug stock water-table well in alluvium, diameter 24 inches, depth 35 feet, cribbed with stone. Highest water level 17.20 below lsd, June 9, 1952; lowest 30.15 below lsd, Sept. 24, 1941. Records available: 1940-55. Mar. 16, 20.72; June 13, 20.60; Sept. 19, 20.78; Dec. 7, 20.51.

8. P. Brack. SE¼NE¼ sec. 17, T. 34 S., R. 15 W. Dug unused water-table well in alluvium, diameter 36 inches, depth 22 feet, cribbed with brick. Highest water level 8.87 below lsd, Nov. 21, 1941; lowest 20.79 below lsd, Sept. 19, 1955. Records available: 1940-55. Mar. 16, 20.60; Sept. 19, 20.79; Dec. 7, 18.20.

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9. V. D. Wells. SE¼SE¼ sec. 18, T. 34 S., R. 15 W. Driven unused water-table well in alluvium, diameter 1 inch, depth 11 feet. Highest water level 1.07 below lsd, June 20, 1951; lowest 4.54 below lsd, Aug. 21, 1943. Records available: 1940-55. Mar. 16, 3.25; June 13, 2.22; Sept. 19, 2.45; Dec. 7, 2.88.

10. G. H. Davis. NW¼SW¼ sec. 11, T. 35 S., R. 15 W. Drilled unused water-table well in deposits of Permian age, diameter 5 inches, depth 152 feet. Highest water level 102.20 below lsd, Mar. 15, 1945; lowest 107.72 below lsd, Sept. 25, 1948. Records available: 1940-55. Mar. 16, 107.07; June 13, 106.69; Sept. 19, 106.23; Dec. 7, 106.84.

Barton County

1. F. Panning. SE¼SE¼ sec. 3, T. 20 S., R. 11 W. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 12 feet. Highest water level 0.3 above lsd, June 26, 1951; lowest 6.14 below lsd, Dec. 21, 1954. Records available: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	6.09	Apr. 18	5.74	July 18	5.42	Oct. 24	5.36
Feb. 15	6.01	May 11	5.74	Aug. 15	5.55	Nov. 22	5.69
Mar. 29	5.90	June 20	5.14	Sept. 14	5.99	Dec. 20	5.88

16. Teichmann. NE¼SE¼NE¼ sec. 12, T. 20 S., R. 13 W. Drilled observation water-table well in Meade formation, diameter 6 inches, depth 49 feet. Highest water level 25.02 below lsd, Oct. 23, 1951; lowest 31.40 below lsd, June 20, 1955. Records available: 1942-55.

Jan. 17	30.09	Apr. 18	30.45	July 18	30.75	Oct. 24	30.92
Feb. 15	30.43	May 11	30.54	Aug. 15	30.99	Nov. 22	31.26
Mar. 29	30.39	June 20	31.40	Sept. 15	30.84	Dec. 20	30.95

43. M. Hagen. SW¼SW¼SW¼ sec. 20, T. 20 S., R. 11 W. Drilled observation water-table well in Meade formation, diameter 6 inches, depth 46 feet. Highest water level 12.97 below lsd, Aug. 21, 1951; lowest 33.98 below lsd, Nov. 19, 1952. Records available: 1942-55.

Jan. 17	21.42	Apr. 18	21.48	July 18	22.03	Nov. 22	22.41
Feb. 15	21.43	May 11	21.67	Aug. 15	22.31	Dec. 20	22.39
Mar. 29	21.48	June 20	21.76	Sept. 15	22.55		

100. Unruh. NW¼NE¼ sec. 11, T. 20 S., R. 15 W. Drilled observation water-table well in Dakota sandstone, diameter 5 inches, depth 76 feet. Highest water level 27.05 below lsd, June 23, 1949; lowest 35.23 below lsd, Dec. 22, 1954. Records available: 1944-55.

Mar. 30	34.71	June 20	34.36	Sept. 15	35.13	Nov. 22	34.34
Apr. 18	34.59	July 18	34.77	Oct. 24	34.20	Dec. 21	34.41
May 11	34.80	Aug. 15	34.96				

103. F. Konareck. SE¼SE¼ sec. 33, T. 17 S., R. 12 W. Drilled observation water-table well in alluvium, diameter 5 inches, depth 25 feet. Highest water level 0.25 below lsd, Aug. 29, 1950; lowest 7.66 below lsd, Aug. 21, 1946. Records available: 1944-55.

Jan. 17	7.40	May 11	6.98	Aug. 15	6.93	Oct. 24	5.67
Mar. 29	6.99	June 20	7.22	Sept. 14	7.52	Nov. 22	6.06
Apr. 18	6.63	July 18	6.40				

107. Carter Oil Co. SE¼SE¼ sec. 10, T. 17 S., R. 11 W. Drilled observation water-table well in Dakota sandstone, diameter 6 inches, depth 168 feet. Highest water level 95.39 below lsd, June 26, 1951; lowest 101.60 below lsd, Feb. 20, 1946. Records available: 1944-55.

Jan. 17	98.46	Apr. 18	98.25	July 18	98.16	Oct. 24	98.60
Feb. 15	98.49	May 11	98.60	Aug. 15	98.36	Nov. 22	98.06
Mar. 29	98.67	June 20	98.25	Sept. 14	98.50	Dec. 20	98.71

109. J. C. Cook. SW¼SW¼ sec. 28, T. 18 S., R. 15 W. Drilled observation water-table well in alluvium, depth 46 feet. Highest water level 1.49 below lsd, July 11, 1951; lowest 16.64 below lsd, Sept. 15, 1955. Records available: 1944-55.

Jan. 18	14.97	Apr. 19	13.57	July 19	13.85	Oct. 24	13.00
Feb. 16	15.11	May 12	14.13	Aug. 16	15.03	Nov. 23	13.28
Mar. 30	13.99	June 20	14.33	Sept. 15	16.64	Dec. 20	13.29

110. Prudential Life Insurance Co. NE¼NE¼ sec. 33, T. 17 S., R. 14 W. Drilled observation water-table well in alluvium, diameter 6 inches, depth 48 feet. Highest water level 11.73 below lsd, Aug. 21, 1951; lowest 23.00 below lsd, Oct. 20, 1948. Records available: 1944-55.

Jan. 18	14.96	Apr. 19	14.79	July 19	13.99	Oct. 24	12.79
Feb. 16	14.92	May 12	14.91	Aug. 16	14.29	Nov. 23	13.16
Mar. 30	15.46	June 21	15.10	Sept. 15	14.84	Dec. 21	13.55

131. F. W. Gagleman. SE¼SE¼ sec. 22, T. 19 S., R. 15 W. Drilled observation water-table well in alluvium, diameter 5 inches, depth 25 feet. Highest water level 7.84 below lsd, Oct. 23, 1951; lowest 16.32 below lsd, Sept. 15, 1955. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 16	14.24	May 12	14.65	Aug. 16	15.62	Nov. 23	14.46
Mar. 30	14.06	June 21	14.85	Sept. 15	16.32	Dec. 21	14.48
Apr. 19	14.08	July 19	15.31	Oct. 25	14.56		

Bourbon County

1. City of Fort Scott. NE¼SE¼SE¼ sec. 29, T. 25 S., R. 25 E. Drilled unused water-table well in Jefferson City dolomite, diameter 8 to 6 inches, depth 1,461 feet. Highest water level 180.25 below lsd, Mar. 29, 1946; lowest 197.2 below lsd, Dec. 30, 1955. Records available: 1942-47, 1950-55.

Jan. 31	195.4	May 1	196.25	July 30	196.7	Oct. 31	196.1
Feb. 25	195.3	31	196.5	Aug. 30	196.82	Nov. 30	196.85
Mar. 31	196.1	June 30	196.4	Sept. 30	197.02	Dec. 30	197.2

25-23-27bbb. Harold Comstock. Dug unused water-table well in Bandera shale, diameter 5 feet, depth 11 feet. Highest water level 1.53 below lsd, Sept. 28, 1951; lowest 6.13 below lsd, May 6, 1948. Records available: 1948-52. Measurement discontinued.

25-24-13dda. John Ibson. Dug unused water-table well in Labette shale, diameter 6 feet, depth 23 feet, cribbed with rock. Highest water level 3.08 below lsd, Apr. 18, 1951; lowest 7.51 below lsd, Oct. 15, 1948. Records available: 1948-52. Measurement discontinued.

Brown County

2-15-25dd. Henry Rieger. Dug unused water-table well in alluvium, diameter 36 inches, depth 14 feet, cribbed with rock. Highest water level 7.94 below lsd, Aug. 1, 1951; lowest 9.92 below lsd, Nov. 27, 1948. Records available: 1948-51. Measurement discontinued.

4-17-17ada. H. C. Brown. Drilled unused water-table well in glacial deposits, diameter 6 inches, depth 51 feet, tile casing. Highest water level 31.19 below lsd, Nov. 27, 1951; lowest 37.19 below lsd, Nov. 27, 1948. Records available: 1948-52. Measurement discontinued.

Chase County

18-9-29cc. Peak & Hatcher Co. Drilled domestic water-table well in Bader limestone and Easly Creek shale, diameter 8 inches, depth 24 feet. Highest water level 17.57 below lsd, July 24, 1951; lowest 25.74 below lsd, Mar. 8, 1955. Records available: 1947-55. Mar. 8, 25.74; July 8, 25.02.

19-7-10da. Herbert T. Drake. Dug unused water-table well in alluvium, diameter 42 inches, depth 24 feet, cribbed with rock. Highest water level 3.19 below lsd, July 24, 1951; lowest 19.93 below lsd, July 8, 1955. Records available: 1948-55. Mar. 9, 19.45; July 8, 19.93.

19-9-30cc. E. E. Andrews. Drilled unused water-table well in Red Eagle limestone, diameter 8 inches, depth 65 feet. Highest water level 30.83 below lsd, July 24, 1951; lowest 44.96 below lsd, Feb. 10, 1954. Records available: 1947-55. Mar. 8, 44.92; July 8, 44.75.

20-6-31bd. B. S. Thompson. Drilled unused water-table well in Wreford limestone, diameter 6 inches, depth 43 feet. Highest water level 14.20 below lsd, July 24, 1951; lowest 31.47 below lsd, Feb. 10, 1954. Records available: 1947-55. Mar. 8, 30.46; July 8, 30.50.

20-7-13cb. Geo. W. Starkey. Dug domestic water-table well in Fort Riley and Florence limestone members of Barneston limestone, diameter 4 feet, depth 56 feet, cribbed with rock. Highest water level 8.87 below lsd, Sept. 5, 1950; lowest 52.39 below lsd, July 6, 1953. Records available: 1947-55. Mar. 8, 52.08; July 8, 51.21.

20-8-2bd. School district. Drilled unused water-table well in valley alluvium, diameter 5 inches, depth 21 feet. Highest water level 2.32 below lsd, July 24, 1951; lowest 16.12 below lsd, July 8, 1955. Records available: 1947-55. Mar. 8, 15.60; July 8, 16.12.

20-8-16aa. Gerald Brough. Drilled domestic water-table well in Cottonwood limestone member of Beattie limestone, diameter 7 inches, depth 33 feet. Highest water level 3.28 below lsd, July 24, 1951; lowest 25.04 below lsd, Feb. 10, 1954. Records available: 1947-55. Mar. 8, 11.70; July 8, 9.14.

22-6-11cc. Margaret Smith. Drilled unused water-table well in Fort Riley and Florence limestone members of Barneston limestone, diameter 5 inches, depth 86 feet. Highest water level 2.58 below lsd, July 24, 1951; lowest 12.30 below lsd, Mar. 8, 1955. Records available: 1947-55. Mar. 8, 12.30.

Cherokee County

1. W. L. Stiles. NE¼NW¼NE¼ sec. 2, T. 34 S., R. 23 E. Dug domestic water-table well in Bluejacket sandstone member of Cherokee shale, diameter 6 feet, depth 27 feet. Highest water level 5.50 below lsd, May 26, 1943; lowest 18.98 below lsd, Jan. 29, 1954. Records available: 1942-45, 1948, 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	14.49	May 1	12.05	July 30	13.35	Oct. 31	13.80
Feb. 28	13.40	31	11.72	Aug. 30	14.80	Nov. 30	14.20
Mar. 31	12.17	June 30	11.54	Sept. 30	15.12	Dec. 30	14.40

3. Mr. Fleming. SW¼ sec. 19, T. 32 S., R. 24 E. Unused water-table well in Roubidoux dolomite, diameter 8 inches, depth 850 feet. Highest water level 196.53 below lsd, July 23, 1943; lowest 210.37 below lsd, July 30, 1955. Records available: 1943, 1950-55.

Jan. 31	208.35	May 1	209.20	July 30	210.37	Oct. 31	208.95
Feb. 28	208.50	31	209.60	Aug. 30	210.32	Nov. 30	209.63
Mar. 31	209.02	June 30	209.29	Sept. 30	209.95	Dec. 30	209.70

31-25-19dd. Sam Ross. SE¼SE¼ sec. 19, T. 31 S., R. 25 E. Drilled domestic water-table well in limestone of Mississippian age, diameter 8 inches, depth 315 feet. Highest water level 190.12 below lsd, June 13, 1952; lowest 198.40 below lsd, Sept. 28, 1955. Records available: 1951-55.

Jan. 31	196.90	May 1	197.40	July 30	197.60	Oct. 31	197.60
Feb. 28	196.70	31	197.45	Aug. 30	198.07	Nov. 30	198.25
Mar. 31	197.35	June 30	197.30	Sept. 28	198.40	Dec. 30	198.27

Cheyenne County

1-38-2cd. Paul O'Brien. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 42 feet. Highest water level 21.37 below lsd, May 6, 1952; lowest 24.15 below lsd, Nov. 11, 1954. Records available: 1948-55. Feb. 28, 23.48; May 25, 23.33.

1-38-8ddb. H. O. Haines. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 34 feet. Highest water level 11.24 below lsd, Feb. 25, 1947; lowest 14.91 below lsd, Sept. 2, 1953. Records available: 1946-55. Feb. 28, 12.80; May 25, 12.30.

1-38-17cdd. F. J. Ostick. Drilled domestic and observation water-table well in alluvium, diameter 5 inches, depth 22 feet. Highest water level 11.07 below lsd, July 25, 1951; lowest 13.45 below lsd, Nov. 11, 1954. Records available: 1946-55. Feb. 28, 12.37; May 25, 12.32.

2-39-10bba. A. L. Pugh. Drilled unused water-table well in alluvium, diameter 5 inches, depth 39 feet. Highest water level 24.95 below lsd, May 6, 1952; lowest dry, Aug. 30, 1954. Records available: 1947-54. No measurement made in 1955.

2-39-17baa. Myrtle E. Armstrong. Dug stock well, diameter 24 inches, depth 13 feet. Highest water level 9.98 below lsd, May 6, 1952; lowest 14.47 below lsd, Sept. 2, 1953. Records available: 1946-47, 1949-50, 1952-53. No measurement made in 1955.

2-39-19ccc. A. C. Keller. Drilled well, diameter 4 inches, depth 23 feet. Highest water level 13.68 below lsd, May 25, 1955; lowest 17.48 below lsd, Sept. 2, 1953. Records available: 1948-50, 1952-55. Feb. 28, 16.41; May 25, 13.68.

2-39-27bbb. G. W. Best. Drilled unused water-table well in alluvium, diameter 8 inches, depth 29 feet. Highest water level 14.99 below lsd, June 25, 1953; lowest 19.50 below lsd, Mar. 27, 1946. Records available: 1946-55. Feb. 28, 19.04; May 25, 17.94.

3-40-9baa. P. G. Walter. Drilled stock observation water-table well in alluvium, diameter 5 inches, depth 16 feet. Highest water level 11.69 below lsd, Feb. 25, 1947; lowest 21.45 below lsd, Dec. 22, 1953. Records available: 1946-55. Feb. 28, 20.65; May 25, 20.70.

3-40-22aba. T. Holleman and others. Drilled unused water-table well in alluvium, diameter 5 inches, depth 19 feet. Highest water level 10.02 below lsd, July 29, 1947; lowest 15.73 below lsd, Nov. 13, 1952. Records available: 1946-55. Feb. 28, 14.96; May 25, 15.07.

3-40-28cbb. D. Danielson. Drilled observation water-table well in alluvium, diameter 5 inches, depth 26 feet. Highest water level 10.02 below lsd, Mar. 20, 1946; lowest 12.75 below lsd, Aug. 16, 1946. Records available: 1946-55. Feb. 28, 11.48; May 25, 11.67.

3-40-33dda. H. L. Harkins. Drilled unused water-table well in Ogallala formation and colluvium, diameter 6 inches, depth 27 feet. Highest water level 11.90 below lsd, July 29, 1947; lowest 14.50 below lsd, Mar. 4, 1946. Records available: 1946-55. Feb. 28, 13.40; May 25, 13.73.

3-41-13ccd. F. Walz. Drilled unused domestic well, diameter 5 inches, depth 15 feet. Highest water level 7.83 below lsd, Mar. 16, 1949; lowest 15.78 below lsd, Aug. 16, 1946. Records available: 1946-50, 1952-55. Feb. 28, 12.50; May 25, 12.69.

3-42-21bcc. Andrew Rueb. Drilled stock water-table well in sand and gravel of Ogallala formation, diameter 5 inches, depth 220 feet. Highest water level 201.40 below lsd, Feb. 28, 1955; lowest 201.70 below lsd, Feb. 2, 1954. Records available: 1953-55. Feb. 28, 201.40; May 25, 201.42.

3-42-22dad. F. F. Blair. Drilled observation water-table well in sand and gravel of Ogallala formation, diameter 5 inches, depth 162 feet. Highest water level 137.85 below lsd, May 25, 1955; lowest 143.42 below lsd, Sept. 3, 1953. Records available: 1953-55. May 25, 137.85.

3-42-26cad. Henry Richers. Drilled domestic stock water-table well in sand and gravel of Ogallala formation, diameter 6 inches, depth 196 feet. Highest water level 167.45 below lsd, May 13, 1954; lowest 181.65 below lsd, June 29, 1953. Records available: 1953-54. No measurement made in 1955.

3-42-28dda. Clarence Raile. Drilled domestic stock water-table well in sand and gravel of Ogallala formation, diameter 5 inches, depth 159 feet. Highest water level 151.10 below lsd, May 13, 1954; lowest 151.66 below lsd, June 29, 1953. Records available: 1953-55. Feb. 28, 151.30; May 25, 151.25.

4-41-2aad. W. E. Johnson. Drilled domestic stock water-table well in alluvium, diameter 6 inches, depth 30 feet. Highest water level 20.04 below lsd, July 12, 1950; lowest 28.53 below lsd, Oct. 4, 1949. Records available: 1946-55. Feb. 28, 25.92; May 25, 26.35.

4-41-32ddb. Simon E. Matson. Drilled observation water-table well in Ogallala formation, diameter 6 inches, depth 121 feet. Highest water level 112.70 below lsd, Nov. 13, 1952; lowest 115.11 below lsd, May 25, 1955. Records available: 1946-47, 1949-55. Feb. 28, 114.50; May 25, 115.11.

4-42-2ccc. Henry Lampe. Drilled observation water-table well in sand and gravel of Ogallala formation, diameter 5 inches, depth 190 feet. Highest water level 176.66 below lsd, Sept. 2, 1953; lowest 177.32 below lsd, May 25, 1955. Records available: 1953-55. Feb. 28, 177.24; May 25, 177.32.

4-42-5aaa. W. E. Klie. Drilled domestic stock water-table well in sand and gravel of Ogallala formation, diameter 5 inches, depth 223 feet. Highest water level 190.90 below lsd, Sept. 2, 1953; lowest 191.67 below lsd, June 26, 1953. Records available: 1953-54. No measurement made in 1955.

4-42-24cac. Jake Waltz. Drilled irrigation water-table well in Ogallala formation, diameter 24 inches, depth 72 feet. Highest water level 24.48 below lsd, July 25, 1951, May 6, 1952; lowest 25.89 below lsd, Sept. 7, 1947. Records available: 1946-54. Measurement discontinued.

4-42-26bcb. Pete O'Brien. Drilled irrigation water-table well in Ogallala formation, diameter 25 inches, depth 56 feet. Highest water level 21.58 below lsd, May 13, 1954; lowest 22.70 below lsd, May 25, 1955. Records available: 1954-55. May 25, 22.70.

5-38-13cbd. E. E. Retzer. Drilled stock well, diameter 5 inches, depth 91 feet. Records available: 1954-55. Nov. 23, 1954, 56.55; Aug. 30, 1955, 56.86.

5-42-4aac. A. Corder. Drilled stock well, diameter 6 inches, depth 37 feet. Highest water level 21.83 below lsd, Dec. 5, 1947, June 8, 1948; lowest 24.01 below lsd, Aug. 30, 1954. Records available: 1946-50, 1952-55. Feb. 28, 23.06; May 25, 23.00.

Clark County

6. District school. NE¼NE¼ sec. 7, T. 35 S., R. 21 W. Drilled unused water-table well in alluvium, diameter 6 inches, depth 36 feet. Highest water level 26.28 below lsd, June 19, 1951; lowest 27.69 below lsd, Oct. 5, 1943. Records available: 1940-43, 1950-55. Mar. 16, 27.28; Dec. 7, 27.22.

10. J. F. Folks Estate. Drilled stock water-table well in deposits of Pleistocene age, diameter 6 inches, depth 21 feet. Highest water level 13.97 below lsd, June 13, 1955; lowest 17.63 below lsd, Sept. 27, 1946. Records available: 1940-47, 1955. Mar. 16, 14.93; June 13, 13.97; Dec. 7, 14.13.

30-23-6. E. F. Houff. Drilled domestic stock water-table well in Ogallala formation, diameter 6 inches, depth 156 feet. Highest water level 141.24 below lsd, Dec. 7, 1955; lowest 143.31 below lsd, Mar. 8, 1954. Records available: 1939, 1953-55. Mar. 16, 141.74; June 13, 141.57; Dec. 7, 141.24.

Coffey County

20-15-34dcb. G. Skillman. Dug unused water-table well in Kanwaka shale, diameter 30 inches, depth 40 feet, cribbed with rock. Highest water level 1.71 below lsd, Mar. 1, 1949; lowest 8.35 below lsd, Nov. 26, 1948. Records available: 1948-52. Measurement discontinued.

22-15-34da. B. D. Harreld. Dug unused water-table well in Lawrence shale, diameter 36 inches, depth 18 feet, cribbed with rock. Highest water level 6.46 below lsd, Feb. 21, 1952; lowest 16.90 below lsd, Oct. 15, 1948. Records available: 1948-52. Measurement discontinued.

Comanche County

1. A. A. Carpenter. NE¼NW¼ sec. 8, T. 33 S., R. 20 W. Drilled unused water-table well in deposits of Permian age, diameter 6 inches, depth 43 feet. Highest water level 35.30 below lsd, Sept. 19, 1951; lowest 40.52 below lsd, June 20, 1941. Records available: 1940-55. Mar. 16, 36.60; June 13, 36.52; Sept. 19, 36.23; Dec. 7, 36.20.

3. E. Deewall. SW¼NE¼ sec. 19, T. 31 S., R. 18 W. Drilled unused stock well, diameter 6 inches, depth 97 feet. Highest water level 74.48 below lsd, Aug. 31, 1953; lowest 94.07 below lsd, June 8, 1945. Records available: 1940-47, 1953, 1955. Mar. 16, 75.24; June 13, 75.30; Sept. 19, 74.70; Dec. 7, 75.40.

Decatur County

2-29-24bc. Owner unknown. Drilled stock unused well, diameter 5 inches, depth 126 feet. Highest water level 99.25 below lsd, Aug. 29, 1955; lowest 100.37 below lsd, Nov. 22, 1954. Records available: 1954-55. Nov. 22, 1954, 100.37; Feb. 21, 1955, 99.67; May 3, 99.85; Aug. 29, 99.25; Nov. 16, 99.31.

3-26-5cc. John Hicks. Drilled unused observation well in Ogallala formation, diameter 5 inches. Highest water level 141.02 below lsd, Aug. 22, 1952; lowest 143.10 below lsd, Feb. 8, 1954. Records available: 1952-55. Feb. 21, 141.60; May 3, 142.07; Aug. 29, 142.27; Nov. 16, 142.05.

Douglas County

12-20-17ccb. Frank D. Walters. Drilled observation water-table well in terrace deposits, diameter 10 inches, depth 50 feet. Highest water level 14.47 below lsd, Apr. 29, 1952; lowest 24.34 below lsd, Dec. 21-23, 28-31, 1955. Records available: 1952-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.40	23.50	22.62	22.94	23.18	23.31	23.59	23.56	23.91	24.22	24.16	24.28
2	23.41	23.51	22.62	22.96	23.19	23.33	23.60	23.58	23.91	24.22	24.17	24.28
3	23.41	23.51	22.61	22.97	23.21	23.36	23.60	23.61	23.93	24.22	24.18	24.29
4	23.42	23.52	22.62	22.99	23.23	23.38	23.60	23.63	23.94	24.21	24.18	24.29
5	23.42	23.52	22.64	23.02	23.24	23.38	23.60	23.63	23.95	24.18	24.18	24.30
6	23.43	23.52	22.64	23.04	23.26	23.37	23.61	23.63	23.96	24.16	24.19	24.30
7	23.43	23.52	22.63	23.07	23.30	23.37	23.41	23.63	23.97	24.14	24.19	24.30
8	23.43	23.52	22.63	23.10	23.34	23.37	.....	23.63	23.98	24.10	24.20	24.30
9	23.43	23.51	22.63	23.11	23.38	23.38	.....	23.63	23.99	24.08	24.20	24.30
10	23.44	23.50	22.64	23.11	23.38	23.38	.....	23.63	24.00	24.07	24.19	24.31
11	23.44	23.48	22.64	23.12	23.38	23.39	.....	23.63	24.02	24.06	24.20	24.31
12	23.44	23.48	22.65	23.12	23.37	23.40	.....	23.66	24.05	24.06	24.21	24.31
13	23.46	23.47	22.65	23.11	23.36	23.40	.....	23.67	24.06	24.06	24.21	24.32
14	23.45	23.46	22.66	23.10	23.36	23.41	.....	23.68	24.08	24.06	24.21	24.32
15	23.46	23.42	22.69	23.10	23.36	23.46	.....	23.69	24.10	24.06	24.22	24.32
16	23.46	23.27	22.69	23.08	23.36	23.49	.....	23.70	24.13	24.06	24.22	24.32
17	23.46	23.20	22.73	23.07	23.36	23.51	.....	23.71	24.16	24.07	24.22	24.33
18	23.47	23.15	22.75	23.07	23.37	23.53	.....	23.72	24.17	24.08	24.23	24.33
19	23.47	23.04	22.78	23.07	23.37	23.53	.....	23.73	24.19	24.08	24.23	24.33
20	23.47	22.61	22.81	23.08	23.38	23.54	.....	23.75	24.20	24.09	24.23	24.33

12-20-17ccb--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	23.47	22.63	22.81	23.08	23.39	23.54	.....	23.76	24.21	24.10	.....	24.34
22	23.48	22.65	22.80	23.08	23.39	23.55	.....	23.78	24.21	24.11	24.23	24.34
23	23.49	22.66	22.83	23.07	23.41	23.55	.....	23.80	24.21	24.12	24.23	24.34
24	23.49	22.66	22.85	23.10	23.45	23.56	.....	23.81	24.21	24.12	24.24	24.32
25	23.50	22.64	22.86	23.11	23.45	23.56	.....	23.82	24.21	24.13	24.24	24.32
26	23.50	22.63	22.86	23.12	23.40	23.56	.....	23.84	24.22	24.13	24.24	24.33
27	23.51	22.62	22.85	23.13	23.36	23.57	.....	23.85	24.21	24.13	24.27	24.33
28	23.51	22.61	22.87	23.16	23.33	23.59	23.41	23.87	24.21	24.13	24.27	24.34
29	23.51		22.90	23.17	23.30	23.59	23.45	23.89	24.21	24.14	24.28	24.34
30	23.51		22.92	23.17	23.28	23.59	23.49	23.90	24.21	24.15	24.28	24.34
31	23.50		22.93		23.27		23.52	23.90		24.15		24.34

13-19-21bb. C. E. Banning. Drilled domestic stock artesian well in Stranger formation, diameter 6 inches, depth 96 feet. Highest water level 23.48 below lsd, May 20, 1952; lowest 37.86 below lsd, June 22, 1954. Records available: 1952-55. Dec. 18, 36.88.

13-20-11bab. Armstrong Martin. Drilled stock water-table well in terrace deposits, diameter 8 inches, depth 38 feet. Highest water level 6.32 below lsd, Aug. 2, 1951; lowest 19.88 below lsd, Nov. 26, 1948. Records available: 1948-52. Measurement discontinued.

14-19-23ccc. C. A. Puckett. Dug unused water-table well in Lawrence shale, diameter 36 inches, depth 13 feet, cribbed with rock. Highest water level 3.54 below lsd, Mar. 1, 1949; lowest 5.26 below lsd, Oct. 15, 1948. Records available: 1948-52. Measurement discontinued.

Edwards County

1. M. Shouse. NW¼SW¼ sec. 35, T. 24 S., R. 19 W. Dug and drilled unused water-table well in alluvium, diameter 16 inches, depth 28 feet. Highest water level 3.17 below lsd, June 25, 1951; lowest 8.16 below lsd, Jan. 17, 1955. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	8.16	Apr. 18	6.89	July 14	6.56	Oct. 24	7.59
Feb. 15	7.07	May 11	7.14	Aug. 15	7.32	Nov. 22	7.58
Mar. 29	6.85	June 20	6.18	Sept. 14	7.93	Dec. 20	7.44

10. E. F. Lippoldt. SW¼SW¼ sec. 22, T. 23 S., R. 19 W. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 4½ feet, depth 70 feet. Highest water level 63.17 below lsd, Nov. 22, 1955; lowest 68.20 below lsd, Mar. 13, 1946. Records available: 1944-55.

Feb. 15	64.06	June 20	63.68	Sept. 14	63.44	Nov. 22	63.17
Apr. 18	64.36	July 14	63.63	Oct. 24	63.42	Dec. 20	63.27
May 11	63.93	Aug. 15	63.44				

25-16-31da. E. B. Mayhew. Drilled unused irrigation well, diameter 15 inches, depth 70 feet. Highest water level 15.61 below lsd, Oct. 6, 1952; lowest dry, Nov. 17, 1954, Feb. 15, May 11, 1955. Records available: 1945, 1952-55. Feb. 15, dry; May 11, dry.

Ellis County

215. A. H. Romine. NE¼NW¼ sec. 7, T. 11 S., R. 16 W. Dug stock water-table well in deposits of Pleistocene age, diameter 24 inches, depth 20 feet, cribbed with rock. Highest water level 9.76 below lsd, July 23, 1951; lowest 18.65 below lsd, Apr. 19, 1955. Records available: 1941-55. Apr. 19, 18.65.

218. W. W. Bemis. NE¼NE¼ sec. 16, T. 12 S., R. 17 W. Dug unused water-table well in Codell sandstone member of Carlile shale, diameter 24 inches, depth 83 feet. Highest water level 11.76 below lsd, July 23, 1951; lowest 54.67 below lsd, Dec. 22, 1943. Records available: 1941-55. Jan. 18, 48.61; Apr. 19, 48.37; July 19, 49.90; Oct. 25, 51.28.

14-16-17cb. J. M. Schippers. Dug stock water-table well in alluvium, diameter 5 feet, depth 24 feet, cribbed with stone. Highest water level 15.22 below lsd, July 27, 1951; lowest 20.16 below lsd, Oct. 22, 1955. Records available: 1946-55. Oct. 22, 20.16.

14-16-36bc. Tony Wagner. Dug stock observation water-table well in sand, diameter 4 feet, depth 29 feet, cribbed with stone. Highest water level 14.50 below lsd, Oct. 26, 1951; lowest 33.40 below lsd, Dec. 9, 1952. Records available: 1946-52, 1954-55. Oct. 22, 20.36.

14-18-12bb. J. Brull. Dug domestic stock water-table well in sand, diameter 4 feet, depth 31 feet, cribbed with stone. Highest water level 19.96 below lsd, Dec. 26, 1951; lowest 27.15 below lsd, July 30, 1946. Records available: 1946-55. Oct. 22, 22.48.

14-18-26aa. F. J. Befort. Dug domestic stock water-table well in deposits of Pleistocene age, diameter 4 feet, depth 24 feet, cribbed with stone. Highest water level 14.60 below lsd, July 27, 1951; lowest 20.85 below lsd, Jan. 8, 1948. Records available: 1946-54. No measurement made in 1955.

15-16-6dd. Ted Thalen. Dug domestic stock water-table well in alluvium, diameter 4½ feet, depth 30 feet, cribbed with stone. Highest water level 18.12 below lsd, Aug. 27, 1951; lowest 24.33 below lsd, Aug. 9, 1946. Records available: 1946-55. Oct. 22, 22.80.

15-16-13bb. Ethel M. Witt. Dug domestic stock water-table well in sand, diameter 4 feet, depth 17 feet, cribbed with stone. Highest water level 13.29 below lsd, Aug. 27, 1951; lowest 14.85 below lsd, July 17, 1946. Records available: 1946-52, 1954-55. Oct. 22, 14.72.

15-18-1bb. Mat Rohr. Dug stock observation water-table well in deposits of Pleistocene age, diameter 24 inches, depth 33 feet, cribbed with stone. Highest water level 13.82 below lsd, June 10, 1952; lowest 28.22 below lsd, July 24, 1946. Records available: 1946-55. Oct. 22, 19.20.

15-18-16bb. T. W. Wolf. Dug domestic stock water-table well in sand, diameter 40 inches, depth 16 feet, cribbed with stone. Highest water level 1.17 below lsd, May 15, 1951; lowest 9.66 below lsd, Apr. 16, 1954. Records available: 1946-55. Oct. 22, 6.32.

Finney County

1. Mrs. A. M. Reid. NE¼NE¼ sec. 9, T. 24 S., R. 33 W. Drilled observation water-table well, diameter 15 inches, depth 21 feet. Highest water level 1.05 below lsd, June 29, 1951; lowest 14.37 below lsd, Sept. 21, 1955. Records available: 1936-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.87	.....	12.25	12.39	11.75	11.90	.....	12.77	13.95	14.25	13.83	13.55
2	12.86	12.24	12.25	12.38	11.78	11.88	.....	12.84	13.95	14.23	13.83	13.55
3	12.85	12.25	12.25	12.39	11.83	11.88	.....	12.89	13.95	14.20	13.81	13.54
4	12.85	12.26	12.25	12.40	11.85	11.88	.....	12.96	13.95	14.18	13.80	13.54
5	12.84	12.25	12.27	12.41	11.88	11.88	.....	13.03	13.95	14.17	13.78	13.52
6	12.83	12.24	12.27	12.42	11.90	11.87	.....	13.09	13.96	14.15	13.79	13.50
7	12.82	12.21	12.27	12.42	11.92	11.87	.....	13.14	13.99	14.13	13.78	13.50
8	12.79	12.21	12.25	12.43	11.95	11.87	.....	13.19	14.03	14.10	13.78	13.49
9	12.76	12.20	12.25	12.54	11.98	11.87	.....	13.23	14.08	14.10	13.79	13.48
10	12.74	12.22	12.23	12.54	12.00	11.86	.....	13.28	14.12	14.07	13.79	13.48
11	12.73	12.22	12.23	12.52	12.01	11.88	.....	13.30	14.15	14.05	13.80	13.47
12	12.71	12.23	12.25	12.48	12.04	11.88	.....	13.34	14.18	14.05	13.81	13.46
13	12.70	12.24	12.25	12.06	12.06	11.86	.....	13.38	14.23	14.03	13.81	13.45
14	12.68	12.24	12.24	11.83	12.08	11.86	.....	13.41	14.25	14.02	13.78	13.45
15	12.65	12.25	12.25	11.73	12.10	11.85	11.85	13.44	14.28	14.00	13.80	13.45
16	12.64	12.24	12.25	11.73	12.12	11.83	11.87	13.49	14.30	13.99	13.78	13.43
17	12.60	12.23	12.25	11.73	12.12	11.55	11.92	13.55	14.34	13.98	13.75	13.43
18	12.50	12.25	12.27	11.74	12.08	.....	11.97	13.62	14.35	13.97	13.73	13.42
19	12.45	12.25	12.28	11.77	12.09	.....	12.02	13.67	14.30	13.96	13.71	13.42
20	12.42	.....	12.30	11.72	12.02	.....	12.10	13.72	14.34	13.95	13.71	13.40
21	.....	.....	12.30	11.77	12.06	11.49	12.20	13.74	14.37	13.94	13.70	13.40
22	.....	.....	12.30	11.77	11.94	.....	12.25	13.76	14.36	13.92	13.68	13.38
23	.....	.....	12.32	11.75	11.93	.....	12.31	13.78	14.35	13.92	13.68	13.36
24	.....	.....	12.32	11.79	11.93	.....	12.36	13.81	14.34	13.90	13.66	13.35
25	.....	.....	12.34	11.80	11.92	.....	12.39	13.84	14.33	13.90	13.65	13.36
26	.....	.....	12.35	11.80	11.91	.....	12.45	13.87	14.32	13.88	13.63	13.35
27	.....	.....	12.37	11.80	11.91	.....	12.50	13.91	14.34	13.87	13.62	13.34
28	.....	12.25	12.38	11.81	11.91	.....	12.53	13.92	14.33	13.87	13.60	13.33
29	.....		12.38	11.81	11.91	.....	12.60	13.93	14.30	13.85	13.59	13.33
30	.....		12.37	11.77	11.90	.....	12.68	13.93	14.28	13.85	13.56	13.33
31	.....		12.38		11.90		12.73	13.95		13.83		13.30

5. E. Alberta Reeves. SE¼NW¼NW¼ sec. 19, T. 21 S., R. 32 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 32 feet. Highest water level 15.30 below lsd, Aug. 14, 1951; lowest 22.54 below lsd, Jan. 28, 1940. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	18.52	Apr. 12	19.24	June 9	18.47	Sept. 26	19.49
Feb. 17	18.57	May 2	18.25	July 13	18.83	Oct. 19	19.66
Mar. 24	18.73						

6. T. A. Meakel. NW¼SW¼SW¼ sec. 36, T. 21 S., R. 29 W. Drilled unused water-table well in alluvium, diameter 8 inches, depth 26 feet. Highest water level 11.72 below lsd, Feb. 27, 1952; lowest 20.82 below lsd, June 22, 1946. Records available: 1939-55. Jan. 20, 17.26; Mar. 22, 17.54; Apr. 12, 17.13; Aug. 10, 18.20; Sept. 27, 18.42; Oct. 19, 18.67; Nov. 30, 18.79.

8. O. G. Reeve. SW¼NE¼SE¼ sec. 13, T. 25 S., R. 33 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 83 feet. Highest water level 72.01 below lsd, Aug. 20, 1953; lowest 75.25 below lsd, June 21, 1940. Records available: 1939-55. Feb. 7, 72.53; May 24, 72.65; Aug. 31, 72.40; Nov. 30, 73.68.

13. Edwin Wehrley. NE¼SE¼SW¼ sec. 13, T. 25 S., R. 31 W. Dug unused water-table well in sand and gravel, diameter 24 inches, depth 5 feet. Highest water level 0.76 above lsd, May 5, 1942; lowest dry, Oct. 11, 1954, Aug. 15, 1955. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15	3.47	May 11	4.06	Aug. 15	(f)	Nov. 22	4.24
Mar. 22	3.52	June 20	2.08	Sept. 14	4.65	Dec. 20	3.99
Apr. 17	3.41	July 18	3.65	Oct. 24	4.43		

f Dry.

23. J. E. Ely. SE¼SW¼SE¼ sec. 4, T. 23 S., R. 32 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 60 feet. Highest water level 37.36 below lsd, Oct. 29, 1951; lowest dry at 42.80, Oct. 20, 1954. Records available: 1939-54. Measurement discontinued.

26. Garden City Experiment Station. SW¼NE¼SE¼ sec. 3, T. 24 S., R. 32 W. Drilled unused water-table well in sand and gravel, diameter 26 inches, depth 196 feet. Highest water level 61.59 below lsd, Oct. 21, 1949; lowest 72.63 below lsd, July 22, 1954. Records available: 1934, 1939-55. Jan. 17, 70.81; Apr. 21, 71.56; July 25, 71.17; Oct. 28, 71.76.

1002. U. S. Army. SW¼ sec. 27, T. 24 S., R. 31 W. Drilled industrial water-table well in Ogallala formation, diameter 16 inches, depth 295 feet. Highest water level 110.26 below lsd, Nov. 9, 1953; lowest 123.50 below lsd, Jan. 12, 1949. Records available: 1942-55.

Jan. 17	113.19	Apr. 17	111.79	July 18	112.64	Oct. 24	113.24
Feb. 15	111.79	May 11	112.71	Aug. 15	115.91	Nov. 22	114.62
Mar. 29	111.82	June 20	111.67	Sept. 14	114.13	Dec. 21	115.01

21-30-5bb. F. T. Carl. Drilled domestic stock water-table well, diameter 6 inches, depth 44 feet. Highest water level 26.72 below lsd, Jan. 28, 1952; lowest 28.43 below lsd, Apr. 15, 1954. Records available: 1951-55. Jan. 17, 27.32; July 25, 28.29; Oct. 19, 28.37.

22-34-23da. Owner unknown. Drilled unused observation well, diameter 5 inches, depth 58 feet. Highest water level 40.80 below lsd, Mar. 22, 1955; lowest 45.25 below lsd, Aug. 31, 1954. Records available: 1954-55. Aug. 31, 1954, 45.25; Dec. 20, 44.55; Mar. 22, 1955, 40.80.

23-27-12cc. C. R. Rixon. Drilled unused domestic stock well, diameter 6 inches, depth 72 feet. Highest water level 64.59 below lsd, Nov. 30, 1955; lowest 68.33 below lsd, Sept. 27, 1939. Records available: 1939, 1952-55. Feb. 17, 64.82; May 24, 64.93; Aug. 25, 64.63; Nov. 30, 64.59.

23-33-28aa. Owner unknown. Drilled unused domestic well, diameter 5 inches, depth 91 feet. Highest water level 29.82 below lsd, Aug. 31, 1954; lowest 33.85 below lsd, June 22, 1955. Records available: 1954-55. Aug. 31, 1954, 29.82; Mar. 22, 1955, 33.80; June 22, 33.85; Sept. 27, 32.71; Dec. 29, 33.15.

Ford County

8. F. H. Diehl. NW¼NW¼ sec. 34, T. 26 S., R. 25 W. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth 23 feet. Highest water level 0.86 below lsd, May 13, 1942; lowest 8.47 below lsd, Oct. 11, 1954. Records available: 1938-55. Oct. 24, 7.82; Nov. 22, 7.63; Dec. 20, 7.43.

25-22-20aa. Mary Arends. Drilled cemetery well, diameter 5 inches, depth 86 feet. Highest water level 64.78 below lsd, Apr. 14, 1953; lowest 67.75 below lsd, Oct. 18, 1953. Records available: 1939, 1951-55. Jan. 17, 66.56; Apr. 18, 65.24; July 18, 65.17; Oct. 24, 65.21.

96. Henry Hattrup. SE¼NE¼ sec. 23, T. 26 S., R. 21 W. Drilled irrigation water-table well in alluvium, diameter 34 inches, depth 29 feet. Highest water level 5.45 below lsd, Apr. 15, 1952; lowest 10.22 below lsd, Sept. 5, 1939. Records available: 1938-54. Measurement discontinued.

1002. Dept. of the Army. Center of SE¼ sec. 12, T. 26 S., R. 26 W. Drilled industrial water-table well in Ogallala formation, diameter 16 inches, depth 262 feet. Highest water level 98.18 below lsd, Jan. 22, 1951; lowest 185.18 below lsd, Nov. 26, 1942. Records available: 1942-49, 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	104.07	Apr. 18	104.05	July 18	104.17	Oct. 24	103.82
Feb. 15	104.09	May 11	103.88	Aug. 15	105.03	Nov. 22	103.95
Mar. 29	103.74	June 20	103.84	Sept. 14	104.28	Dec. 20	103.78

Gove County

11-27-16aa. M. E. Neher. Drilled unused stock well in Ogallala formation, diameter 5 inches, depth 132 feet. Highest water level 94.08 below lsd, Aug. 4, 1953; lowest 94.54 below lsd, Aug. 5, 1952. Records available: 1952-55. Feb. 21, 94.35; May 3, 94.37; Aug. 29, 94.45; Nov. 16, 94.48.

11-29-8dd. A. W. Hoover. Drilled public-supply well in Ogallala formation, diameter 5 inches, depth 112 feet. Highest water level 99.77 below lsd, Nov. 16, 1955; lowest 101.12 below lsd, Feb. 21, 1955. Records available: 1952-55. Feb. 21, 101.12; May 3, 99.78; Nov. 16, 99.77.

11-31-10aa. Thos. P. Johnstone. Drilled unused observation well in Ogallala formation, diameter 5 inches, depth 97 feet. Highest water level 88.69 below lsd, Aug. 11, 1952; lowest 91.15 below lsd, Nov. 16, 1955. Records available: 1952-55. Feb. 21, 90.90; May 3, 90.98; Aug. 29, 91.02; Nov. 16, 91.15.

Graham County

6-23-12cc. H. Hauser. Drilled stock well in Ogallala formation, diameter 5 inches, depth 70 feet. Highest water level 61.90 below lsd, July 23, 1952; lowest 63.33 below lsd, Nov. 16, 1955. Records available: 1952-55. May 3, 63.05; Aug. 15, 63.21; Nov. 16, 63.33.

7-23-35ddd. Chas. Stuchlik. Drilled unused observation well in Dakota and Ogallala formations, diameter 8 inches. Highest water level 35.52 below lsd, Nov. 16, 1955; lowest 41.41 below lsd, Aug. 15, 1955. Records available: 1952-55. Feb. 21, 40.27; May 3, 40.40; Aug. 15, 41.41; Nov. 16, 35.52.

7-23-36ccd. Hill City Cemetery. Dug unused well in Ogallala formation, diameter 42 inches, depth 54 feet. Highest water level 25.68 below lsd, Aug. 4, 1953; lowest 45.65 below lsd, Aug. 15, 1955. Records available: 1952-55. Feb. 21, 33.00; May 3, 34.83; Aug. 15, 45.65.

8-22-3dcd. F. O. Dunwody. Drilled unused stock well in terrace deposits, diameter 8 inches, depth 25 feet. Highest water level 13.89 below lsd, Aug. 14, 1952; lowest 17.20 below lsd, Nov. 16, 1955. Records available: 1952-55. Feb. 21, 16.80; May 3, 16.11; Nov. 16, 17.20.

10-23-14bcc. J. Diebolt. Drilled unused well in Ogallala formation, diameter 4 inches, depth 40 feet. Highest water level 29.35 below lsd, Aug. 13, 1952; lowest 31.87 below lsd, Nov. 16, 1955. Records available: 1952-55. Feb. 21, 31.17; May 3, 31.04; Aug. 15, 31.77; Nov. 16, 31.87.

Grant County

4. Flossie J. Andes. SE¼SE¼ sec. 9, T. 27 S., R. 38 W. Drilled observation well in Ogallala formation, diameter 8 inches, depth 99 feet. Highest water level 83.94 below lsd, Dec. 8, 1952; lowest 87.52 below lsd, May 14, 1941. Records available: 1941-54. Measurement discontinued.

5. C. L. Jury. NE¼SE¼ sec. 4, T. 27 S., R. 37 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 78 feet. Highest water level 65.53 below lsd, May 9, Nov. 28, 1951; lowest 74.75 below lsd, Aug. 11, 1954. Records available: 1941-55. Feb. 8, 72.65; May 9, 67.26; Aug. 17, 73.11.

7. Ethel W. Hoffman. SE¼SW¼ sec. 36, T. 28 S., R. 36 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 91 feet. Highest water level 78.29 below lsd, May 19, 1952; lowest 82.76 below lsd, Sept. 25, 1943. Records available: 1941-54. Measurement discontinued.

400. State of Kansas. SE¼NE¼ sec. 6, T. 28 S., R. 38 W. Drilled observation water-table well in Ogallala formation, diameter 12 inches, depth 100 feet. Highest water level 52.70 below lsd, Feb. 28, 1945; lowest 60.97 below lsd, Oct. 1-3, 1955. Records available: 1944-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	59.23	59.03	59.03	59.48	59.54	.....	59.18	59.92	60.55	60.97	60.77	60.60
2	59.22	59.02	59.03	59.50	59.59	.....	59.20	59.94	60.57	60.97	60.76	60.61
3	59.21	59.02	59.03	59.50	59.60	.....	59.22	59.96	60.58	60.97	60.75	60.60
4	59.20	59.02	59.03	59.50	59.60	.....	59.25	59.98	60.60	60.96	60.72	60.60
5	59.18	59.01	59.03	59.51	59.61	.....	59.25	59.99	60.62	60.96	60.71	60.60
6	59.17	59.02	59.02	59.51	59.62	.....	59.25	60.00	60.65	60.96	60.71	60.61
7	59.15	59.01	59.01	59.52	59.63	.....	59.25	60.04	60.70	60.95	60.71	60.60
8	59.13	59.01	59.00	59.52	59.63	59.10	59.28	60.07	60.70	60.93	60.71	60.60
9	59.12	59.02	58.99	59.53	59.68	59.10	59.40	60.10	60.72	60.90	60.70	60.60
10	59.10	59.02	58.98	59.53	.....	59.10	59.42	60.13	60.72	60.87	60.70	60.60
11	59.09	59.03	58.99	59.56	.....	59.10	59.42	60.16	60.74	60.85	60.70	60.58
12	59.09	59.03	59.01	59.57	.....	59.10	59.41	60.18	60.74	60.85	60.70	60.57
13	59.09	59.03	59.02	59.58	.....	59.10	59.43	60.20	60.73	60.83	60.70	60.57
14	59.09	59.05	59.03	59.58	.....	59.10	59.46	60.22	60.75	60.82	60.68	60.57
15	59.09	59.05	59.07	59.58	.....	59.10	59.46	60.24	60.76	60.81	60.68	60.56
16	59.09	59.05	59.09	59.58	.....	59.10	59.49	60.25	60.77	60.80	60.67	60.55
17	59.09	59.05	59.12	59.57	.....	59.11	59.54	60.26	60.79	60.80	60.66	60.53
18	59.09	59.05	59.16	59.55	.....	59.10	59.57	60.25	60.82	60.80	60.64	60.53
19	59.08	59.05	59.20	59.53	.....	59.11	59.65	60.28	60.81	60.80	60.63	60.53
20	59.08	59.05	59.21	59.52	.....	59.11	59.67	60.29	60.84	60.80	60.63	60.53
21	59.08	59.05	59.23	59.52	.....	59.10	59.68	60.31	60.86	60.79	60.61	60.53
22	59.08	59.05	59.27	59.50	.....	59.10	59.71	60.35	60.87	60.79	60.60	60.53
23	59.07	59.04	59.29	59.50	.....	59.09	59.73	60.36	60.88	60.79	60.60	60.48
24	59.07	59.04	59.33	59.50	.....	59.08	59.73	60.40	60.90	60.79	60.59	60.45
25	59.07	59.03	59.35	59.51	.....	59.08	59.79	60.40	60.89	60.79	60.59	60.43
26	59.05	59.03	59.39	59.51	.....	59.08	59.79	60.42	60.92	60.81	60.59	60.43
27	59.04	59.03	59.39	59.51	.....	59.10	59.80	60.45	60.94	60.82	60.60	.....
28	59.04	59.03	59.41	59.51	.....	59.10	59.84	60.46	60.93	60.82	60.60	.....
29	59.03		59.43	59.51	.....	59.13	59.88	60.47	60.95	60.82	60.60	.....
30	59.03		59.45	59.52	.....	59.15	59.90	60.50	60.96	60.80	60.60	.....
31	59.03		59.46		.....		59.90	60.50		60.79		.....

27-35-16cb. Craig Howard. Drilled unused water-table well, diameter 6 inches, depth 186 feet. Highest water level 145.00 below lsd, Oct. 9, 1951; lowest 177.61 below lsd, May 19, 1952. Records available: 1941-42, 1951-55. Feb. 9, 174.25; May 9, 174.84; Aug. 17, 175.45; Nov. 28, 166.42.

30-37-20cb. J. H. Lewis. Drilled irrigation water-table well, diameter 16 inches, depth 335 feet. Highest water level 114.40 below lsd, Aug. 8, 1941; lowest 135.88 below lsd, Nov. 28, 1955. Records available: 1941, 1952-55. Feb. 8, 128.10; Nov. 28, 135.88.

Gray County

3A. N. A. Mans. NE¼SW¼NW¼ sec. 7, T. 28 S., R. 27 W. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 173 feet. Highest water level 159.66 below lsd, Sept. 13, 1955; lowest 160.53 below lsd, Dec. 28, 1955. Records available: 1954-55. Well 3A is about 15 feet east of well 3, which it replaces. Dec. 13, 1954, 160.08; Mar. 15, 1955, 159.96; June 28, 160.02; Sept. 13, 159.66; Dec. 28, 160.53.

7. P. Brietenbach and others. SE¼SW¼SE¼ sec. 36, T. 26 S., R. 29 W. Drilled unused water-table well, diameter 6 inches, depth 86 feet. Highest water level 64.80 below lsd, Sept. 3, 1952; lowest 77.70 below lsd, May 22, 1940. Records available: 1939-49, 1952-55. Mar. 15, 66.40; June 28, 66.13; Sept. 13, 66.13; Dec. 28, 66.07.

11. J. D. Wetmore. NE¼NE¼ sec. 35, T. 29 S., R. 28 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 5 inches, depth 61 feet. Highest water level 47.87 below lsd, Dec. 28, 1955; lowest 59.74 below lsd, Aug. 18, 1943. Records available: 1939-55. Mar. 15, 56.83; June 28, 56.72; Sept. 13, 56.52; Dec. 28, 47.87.

25-27-36bb. E. W. Bennett. Drilled unused domestic well, diameter 5 inches, depth 121 feet. Highest water level 106.80 below lsd, Sept. 30, 1954; lowest 108.80 below lsd, Sept. 14, 1955. Records available: 1940, 1954-55. Nov. 15, 1940, 108.62; Sept. 30, 1954, 106.80; Mar. 29, 1955, 107.36; Sept. 14, 108.80.

25-29-35. Owner unknown. Drilled unused irrigation well, diameter 12 inches, depth 28 feet. Highest water level 6.00 below lsd, Feb. 15, 1954; lowest 7.19 below lsd, July 12, 1954. Records available: 1952-54. Measurement discontinued.

26-29-7cb. C. M. Davis. Drilled unused stock water-table well, diameter 6 inches, depth 100 feet. Highest water level 79.22 below lsd, Dec. 13, 1954; lowest 88.83 below lsd, Oct. 13, 1939. Records available: 1939, 1953-55. Mar. 15, 80.07; Dec. 28, 79.99.

Greeley County

16-41-20ba. J. Howell. Drilled stock observation water-table well in Ogallala formation, diameter 6 inches, depth 153 feet. Highest water level 127.96 below lsd, Jan. 6, 1949; lowest 133.02 below lsd, July 20, 1949. Records available: 1947-55. Mar. 24, 132.40; May 2, 129.30; July 14, 130.24; Sept. 26, 130.28; Nov. 7, 130.49.

17-40-22ccd. R. V. Gibson. Drilled observation water-table well in Ogallala formation, diameter 5 inches, depth 150 feet. Highest water level 136.53 below lsd, June 24, 1948; lowest 146.78 below lsd, Nov. 12, 1948. Records available: 1947-55. Jan. 25, 139.80; Mar. 24, 138.52. Measurement discontinued.

19-43-25aad. M. Hall. Drilled observation water-table well in Ogallala formation, diameter 6 inches, depth 101 feet. Highest water level 89.15 below lsd, Sept. 3, 1953; lowest 100.69 below lsd, May 24, 1949. Records available: 1947-54. Measurement discontinued.

20-40-24cc. Owner unknown. NE¼NE¼ sec. 24, T. 20 S., R. 40 W. Drilled stock well in Ogallala formation, diameter 5 inches, depth 220 feet. Highest water level 195.38 below lsd, July 14, 1955; lowest 205.60 below lsd, Oct. 5, 1954. Records available: 1954-55. Oct. 5, 1954, 205.60; Jan. 25, 1955, 195.69; Mar. 24, 197.24; May 2, 197.23; July 14, 195.38; Nov. 7, 195.48.

Hamilton County

2A. Chester Huser. NE¼NE¼ sec. 21, T. 23 S., R. 43 W. Drilled irrigation well, diameter 40 inches, depth 29 feet. South well of a battery of three irrigation wells. Highest water level 11.44 below lsd, June 29, 1951; lowest 15.35 below lsd, Aug. 19, 1948, May 13, 1955. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	14.86	Apr. 22	14.60	Sept. 23	14.80	Nov. 25	14.53
Feb. 25	14.57	May 13	15.35	Oct. 27	14.66	Dec. 22	14.48
Mar. 25	14.72	June 24	14.81				

3. B. Rees. SW¼NW¼ sec. 8, T. 24 S., R. 40 W. Dug and drilled unused water-table well in alluvium, diameter 12 inches, depth 25 feet. Highest water level 11.45 below lsd, May 31, 1951; lowest 16.55 below lsd, Sept. 26, 1955. Records available: 1939-55.

Jan. 21	15.47	Apr. 22	15.62	July 22	15.82	Oct. 27	15.82
Feb. 25	15.48	May 13	15.95	Aug. 26	16.15	Nov. 14	15.57
Mar. 25	15.71	June 24	15.43	Sept. 26	16.55	Dec. 22	15.23

6. Belle Heinlen. SW¼SW¼SE¼ sec. 24, T. 24 S., R. 39 W. Drilled unused water-table well in Dakota sandstone, diameter 5 inches, depth 106 feet. Highest water level 23.70 below lsd, July 27, 1951; lowest 56.40 below lsd, July 23, 1954. Records available: 1939-55.

Jan. 21	54.01	Apr. 22	54.33	July 22	55.61	Oct. 27	54.92
Feb. 25	53.78	May 13	55.50	Aug. 26	55.77	Nov. 14	54.34
Mar. 25	53.91	June 24	53.88	Sept. 26	56.07	Dec. 22	53.91

Harvey County

101. City of Wichita. NW¼NW¼ sec. 18, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 75 feet. Highest water level 33.08 below lsd, Nov. 2, 1954; lowest 36.00 below lsd, Sept. 1, 1955. Records available: 1954-55.

Feb. 1	33.80	May 3	33.60	Aug. 1	35.86	Oct. 31	33.74
28	33.27	31	34.92	Sept. 1	36.00	Dec. 1	34.33
Apr. 1	33.99	June 30	34.77	30	35.04		

102. City of Wichita. NE¼NE¼ sec. 24, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 68 feet. Highest water level 26.50 below lsd, Dec. 1, 1955; lowest 34.38 below lsd, Sept. 1, 1955. Records available: 1954-55.

Feb. 1	32.10	May 3	30.80	Aug. 1	34.26	Oct. 31	31.45
28	30.56	31	33.08	Sept. 1	34.38	Dec. 1	26.50
Apr. 1	32.35	June 30	32.40	30	33.30		

103. City of Wichita. SW¼SW¼ sec. 19, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 73 feet. Highest water level 28.40 below lsd, Nov. 2, 1954; lowest 33.93 below lsd, Sept. 1, 1955. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	31.70	May 3	29.24	Aug. 1	33.92	Oct. 31	30.55
28	28.84	31	32.61	Sept. 1	33.93	Dec. 1	32.06
Apr. 1	31.78	June 30	32.04	30	32.68		

104. City of Wichita. NW¼NW¼ sec. 23, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 81 feet. Highest water level 23.45 below lsd, Sept. 15, 1954; lowest 25.43 below lsd, Sept. 1, 1955. Records available: 1954-55.

Feb. 1	24.27	May 3	24.50	Aug. 1	25.31	Oct. 30	24.41
28	24.21	31	24.82	Sept. 1	25.43	Dec. 1	24.59
Apr. 1	24.49	June 30	24.88	30	25.15		

105. City of Wichita. SE¼SE¼ sec. 18, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 60 feet. Highest water level 23.28 below lsd, Nov. 2, 1954; lowest 28.50 below lsd, Sept. 1, 1955. Records available: 1954-55.

Feb. 1	25.18	May 3	23.96	Aug. 1	27.84	Oct. 31	24.19
28	23.55	31	26.28	Sept. 1	28.50	Dec. 1	26.00
Apr. 1	25.41	June 30	25.96	30	26.31		

106. City of Wichita. NW¼NW¼ sec. 36, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 62 feet. Highest water level 24.61 below lsd, Nov. 2, 1954; lowest 26.78 below lsd, Sept. 1, 1955. Records available: 1954-55.

Feb. 1	25.45	May 3	25.45	Aug. 1	26.62	Oct. 31	25.87
28	25.14	31	26.01	Sept. 1	26.78	Dec. 1	26.15
Apr. 1	25.68	June 30	26.05	30	26.55		

107. City of Wichita. NW¼SW¼ sec. 3, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 66 feet. Highest water level 37.48 below lsd, Sept. 2, 1954; lowest 47.32 below lsd, Sept. 1, 1955. Records available: 1954-55.

Feb. 1	39.74	May 31	41.92	Sept. 1	47.32	Oct. 31	40.99
Apr. 1	41.93	June 30	40.84	30	43.26	Dec. 1	43.19
May 3	42.76	Aug. 1	47.11				

106. City of Wichita. NW¼NW¼NW¼ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 38 feet. Highest water level 10.06 below lsd, July 27, 1954; lowest 11.73 below lsd, Aug. 1, 1955. Records available: 1954-55.

Feb. 1	10.76	May 3	11.08	Aug. 1	11.73	Oct. 31	11.56
28	10.86	31	11.22	Sept. 1	11.47	Dec. 1	11.63
Apr. 1	10.99	June 30	11.33	30	11.57		

109. City of Wichita. NE¼NE¼NE¼ sec. 22, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 39 feet. Highest water level 12.50 below lsd, July 27, 1954; lowest 14.24 below lsd, Sept. 1, 1955. Records available: 1954-55.

Feb. 1	13.54	May 3	13.77	Aug. 1	14.11	Oct. 31	13.36
28	13.60	31	13.89	Sept. 1	14.24	Dec. 1	13.52
Apr. 1	13.64	June 30	13.92	30	14.02		

110. City of Wichita. SW¼SW¼SW¼ sec. 24, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 38 feet. Highest water level 8.00 below lsd, July 27, 1954; lowest 9.61 below lsd, Sept. 1, 1955. Records available: 1954-55.

Feb. 1	9.10	May 3	9.27	Aug. 1	9.50	Oct. 31	8.63
28	9.27	31	9.30	Sept. 1	9.61	Dec. 1	8.73
Apr. 1	9.22	June 30	9.40	30	9.51		

111. City of Wichita. SE¼SE¼SE¼ sec. 2, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 42 feet. Highest water level 16.36 below lsd, June 25, 1954; lowest 18.75 below lsd, Sept. 1, 1955. Records available: 1954-55.

Feb. 1	16.88	May 3	17.26	Aug. 1	18.29	Oct. 31	17.10
28	16.83	31	17.47	Sept. 1	18.75	Dec. 1	17.36
Apr. 1	16.99	June 30	17.73	30	17.55		

112. City of Wichita. SE¼SE¼SE¼ sec. 24, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 40 feet. Highest water level 20.06 below lsd, June 25, 1954; lowest 23.27 below lsd, Sept. 30, 1955. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	21.82	May 3	22.31	Aug. 1	22.84	Oct. 31	23.07
28	21.98	31	22.53	Sept. 1	23.13	Dec. 1	23.14
Apr. 1	22.17	June 30	22.73	30	23.27		

113. City of Wichita. NW¼NW¼NW¼ sec. 29, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 29 feet. Highest water level 20.90 below lsd, June 28, 1954; lowest 22.82 below lsd, Sept. 1, 1955. Records available: 1954-55.

Feb. 1	21.71	May 3	22.08	Aug. 1	22.58	Oct. 31	21.44
28	21.93	31	22.17	Sept. 1	22.82	Dec. 1	21.77
Apr. 1	21.97	June 30	22.39	30	21.30		

114. City of Wichita. NE¼NE¼NE¼ sec. 7, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 32 feet. Highest water level 7.60 below lsd, July 27, 1954; lowest 8.64 below lsd, Dec. 30, 1954. Records available: 1954. No measurement made in 1955.

116. City of Wichita. NW¼NW¼NW¼ sec. 17, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 30 feet. Highest water level 18.20 below lsd, June 29, 1954; lowest [illegible] below lsd, Dec. 30, 1954. Records available: 1954. No measurement made in 1955.

117. City of Wichita. SW¼SW¼SW¼ sec. 20, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 39 feet. Highest water level 13.25 below lsd, June 29, 1954; lowest 13.75 below lsd, Dec. 30, 1954. Records available: 1954. No measurement made in 1955.

118. City of Wichita. SE¼SE¼SE¼ sec. 27, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 37 feet. Highest water level 15.06 below lsd, Sept. 30, 1955; lowest 18.68 below lsd, Sept. 1, 1955. Records available: 1955.

May 4	17.55	June 30	17.62	Sept. 1	18.68	Oct. 31	16.34
31	17.38	Aug. 1	18.34	30	15.06	Dec. 1	16.05

119. City of Wichita. NW¼NW¼NW¼ sec. 6, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 45 feet. Highest water level 33.70 below lsd, Sept. 30, 1955; lowest 35.16 below lsd, Sept. 1, 1955. Records available: 1955.

May 3	33.74	June 30	34.08	Sept. 1	35.16	Oct. 31	34.07
31	33.86	Aug. 1	34.56	30	33.70	Dec. 1	34.22

120. City of Wichita. SE¼SE¼SE¼ sec. 1, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 40 feet. Highest water level 20.20 below lsd, May 3, 1955; lowest 21.66 below lsd, Sept. 1, 1955. Records available: 1955.

May 3	20.20	June 30	20.45	Sept. 1	21.66	Oct. 31	21.18
31	20.21	Aug. 1	20.79	30	20.57	Dec. 1	20.35

121. City of Wichita. SW¼SW¼SW¼ sec. 5, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches. Highest water level 52.09 below lsd, June 30, 1955; lowest 54.08 below lsd, Sept. 1, 1955. Records available: 1955. May 31, 52.41; June 30, 52.09; Aug. 1, 53.58; Sept. 1, 54.08; Sept. 30, 53.90; Oct. 31, 52.88; Dec. 1, 52.87.

122. City of Wichita. NW¼NW¼NW¼ sec. 18, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 42 feet. Highest water level 14.95 below lsd, Sept. 30, 1955; lowest 22.95 below lsd, Aug. 1, 1955. Records available: 1955.

May 2	21.12	June 30	21.25	Sept. 1	22.27	Oct. 31	20.25
31	21.31	Aug. 1	22.95	30	14.95	Dec. 1	20.70

123. City of Wichita. SE¼SE¼SE¼ sec. 7, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 43 feet. Highest water level 24.72 below lsd, Dec. 1, 1955; lowest 36.60 below lsd, Sept. 1, 1955. Records available: 1955.

May 3	32.40	June 30	35.39	Sept. 1	36.60	Oct. 31	34.77
31	35.42	Aug. 1	36.32	30	35.10	Dec. 1	24.72

506. W. G. Backhaus. NW¼NE¼ sec. 28, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 6 inches, depth 139 feet. Highest water level 1.71 below lsd, July 16, 1951; lowest 20.47 below lsd, Aug. 31-Sept. 1, 1955. Records available: 1938-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.72	17.34	17.09	17.66	18.37	17.82	17.93	19.55	20.47	16.38	17.05	.....
2	17.66	17.35	17.08	17.53	18.29	17.82	18.01	19.67	20.39	16.37	17.20	17.42
3	17.53	17.35	17.07	17.43	18.46	17.82	18.06	19.76	20.39	15.37	.....	17.51
4	17.58	17.29	17.14	17.55	18.56	17.80	18.09	19.77	20.30	14.99	17.19	17.53
5	17.52	17.29	17.18	17.76	18.60	17.75	18.18	19.76	20.15	15.19	17.15	17.53
6	17.48	17.31	17.18	17.90	18.66	17.72	18.33	19.67	20.23	.....	17.20	17.41
7	17.45	17.31	17.17	17.87	18.68	17.78	18.44	19.57	20.25	.....	17.18	17.38
8	17.40	17.29	17.20	18.00	18.60	17.87	18.57	19.48	20.28	.....	17.18	17.45
9	17.40	17.29	17.37	18.10	18.57	17.87	18.58	19.52	20.31	16.19	17.07	17.44
10	17.39	17.35	17.45	18.09	18.31	17.87	18.45	19.57	20.33	16.27	17.02	17.42
11	17.37	17.35	17.65	17.76	18.22	17.80	18.52	19.63	20.32	16.40	17.10	17.42
12	17.39	17.32	17.65	17.63	18.12	17.75	18.77	19.78	20.16	16.40	17.14	17.40
13	17.39	17.29	17.62	17.60	18.18	17.72	18.94	19.87	20.17	16.46	17.23	17.37
14	17.38	17.29	17.54	17.56	18.21	17.71	19.16	19.87	20.16	16.48	17.23	17.42
15	17.54	17.26	17.61	17.51	18.21	17.70	19.25	19.92	20.13	16.54	17.23	17.42
16	17.53	17.27	17.66	17.42	18.13	17.70	19.39	20.05	20.10	16.67	17.33	17.28
17	17.43	17.26	17.63	17.33	18.16	17.70	19.39	20.13	20.07	16.70	17.35	17.32
18	17.43	17.18	17.63	17.43	18.18	17.65	19.37	20.17	20.07	16.74	17.32	.....
19	17.43	17.17	17.70	17.65	18.16	17.65	19.54	20.23	19.96	16.77	17.37	.....
20	17.41	17.19	17.70	17.72	18.10	17.65	19.58	20.24	19.89	16.86	17.36	.....
21	17.37	17.19	17.65	17.86	18.11	17.72	19.53	20.18	19.92	16.92	17.32	.....
22	17.37	17.18	17.61	17.85	18.11	17.77	19.32	20.14	19.90	16.92	17.40	.....
23	17.37	17.18	17.63	17.80	18.07	17.78	19.27	20.22	19.62	17.05	17.46	17.29
24	17.37	17.19	17.63	17.80	18.00	17.80	19.18	20.25	19.10	17.05	17.46	17.42
25	17.37	17.15	17.61	17.73	17.99	17.82	19.27	20.29	18.61	16.98	17.47	17.45
26	17.41	17.10	17.58	17.96	17.88	17.82	19.50	20.26	18.35	16.93	17.46	17.45
27	.....	17.12	17.57	18.07	17.87	17.82	19.58	20.38	17.24	16.91	17.53	17.44
28	17.40	17.07	17.49	18.17	17.82	17.80	19.56	20.38	16.12	16.95	.....	17.43
29	17.38		17.54	18.25	17.82	17.81	19.63	20.35	15.66	16.96	.....	17.51
30	17.38		17.59	18.37	17.82	17.89	19.66	20.40	16.13	16.96	.....	17.51
31	17.35		17.68		17.81		19.66	20.47		16.95		.....

507. W. G. Backhaus. NW¼NE¼ sec. 28, T. 23 S., R. 2 W. Driven observation water-table well in sand, diameter 1¼ inches, depth 44 feet. Highest water level 3.23 below lsd, May 6, 1944; lowest 19.95 below lsd, Sept. 1, 1955. Records available: 1938-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	14.67	May 3	14.71	Aug. 1	17.99	Oct. 31	14.44
28	13.83	31	15.83	Sept. 1	19.95	Dec. 1	16.70
Apr. 1	14.91	June 30	16.09	30	15.01		

736. I. Ansel, Jr. SE¼SW¼SE¼ sec. 12, T. 23 S., R. 3 W. Driven observation domestic water-table well in dune sand, diameter 1¼ inches, depth 33 feet. Highest water level 3.60 below lsd, July 1, 1952; lowest 12.28 below lsd, Sept. 30, 1955. Records available: 1950-55. June 30, 12.00; Sept. 30, 12.28.

817. City of Wichita. NW¼NW¼ sec. 1, T. 24 S., R. 2 W. Driven observation water-table well in fine sand, diameter 1¼ inches, depth 31 feet. Highest water level 1.88 below lsd, Aug. 1, 1951; lowest 19.38 below lsd, Sept. 30, 1955. Records available: 1938-55.

Feb. 1	18.59	May 3	18.48	Aug. 1	18.94	Oct. 31	18.95
28	18.47	31	18.67	Sept. 1	19.22	Dec. 1	18.83
Apr. 1	18.60	June 30	18.75	30	19.38		

821. City of Wichita. NW¼NW¼ sec. 6, T. 24 S., R. 2 W. Driven observation water-table well in coarse sand and gravel, diameter 1¼ inches, depth 24 feet. Highest water level 12.03 below lsd, Aug. 21, 1939; lowest 29.35 below lsd, Sept. 30, 1955. Records available: 1938-55.

Feb. 1	28.31	May 3	28.38	Aug. 1	29.06	Oct. 31	28.93
28	28.10	31	28.51	Sept. 1	29.22	Dec. 1	28.89
Apr. 1	28.32	June 30	28.63	30	29.35		

824. City of Wichita. SE¼SE¼ sec. 22, T. 24 S., R. 1 W. Driven observation water-table well in fine sand, diameter 1¼ inches, depth 42 feet. Highest water level 3.60 below lsd, June 1, 1951; lowest 18.16 below lsd, Nov. 5, 1940. Records available: 1938-55.

Feb. 1	15.81	May 3	16.05	Aug. 1	17.25	Oct. 31	17.11
28	15.72	31	16.28	Sept. 1	17.99	Dec. 1	16.92
Apr. 1	15.76	June 30	16.33	30	17.98		

832. City of Wichita. NE. cor. sec. 19, T. 24 S., R. 1 W. Drilled observation well, diameter 1¼ inches, depth 129 feet. Highest water level 12.41 below lsd, May 4, 1945; lowest 23.44 below lsd, Sept. 1, 1955. Records available: 1938-49, 1955. May 31, 22.60; June 30, 22.64; Aug. 1, 22.18; Sept. 1, 23.44; Sept. 30, 19.66; Oct. 31, 21.58; Dec. 1, 22.00.

833. T. B. Burrows. SW¼SW¼ sec. 19, T. 24 S., R. 1 W. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 57 feet. Highest water level 5.11 below lsd, Oct. 2, 1945; lowest 23.35 below lsd, Sept. 1, 1955. Records available: 1938-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	21.77	May 3	22.38	Aug. 1	23.10	Oct. 31	22.45
28	21.86	31	22.63	Sept. 1	23.35	Dec. 1	22.80
Apr. 1	22.27	June 30	22.75	30	22.88		

839. City of Wichita. NE¼NE¼ sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand, diameter 1¼ inches, depth 27 feet. Highest water level 10.62 below lsd, Aug. 21, 1939; lowest 30.12 below lsd, Sept. 30, 1955. Records available: 1938-55.

Feb. 1	28.49	May 3	28.83	Aug. 1	29.60	Oct. 31	29.87
28	28.44	31	29.05	Sept. 1	29.93	Dec. 1	30.00
Apr. 1	28.78	June 30	29.35	30	30.12		

853. City of Wichita. NW¼NW¼ sec. 13, T. 24 S., R. 2 W. Drilled observation water-table well in medium sand, diameter 1¼ inches, depth 37 feet. Highest water level 5.82 below lsd, Oct. 2, 1951; lowest 19.83 below lsd, Sept. 1, 1955. Records available: 1938-55.

Feb. 1	17.68	May 3	18.40	Aug. 1	19.45	Oct. 31	18.45
28	17.79	31	18.57	Sept. 1	19.83	Dec. 1	18.74
Apr. 1	18.20	June 30	18.78	30	18.89		

854. City of Wichita. SW¼SW¼ sec. 23, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 32 feet. Highest water level 5.13 below lsd, Aug. 1, 1951; lowest 16.09 below lsd, May 31, 1955. Records available: 1938-55.

Feb. 1	15.11	May 3	15.23	Aug. 1	15.82	Oct. 31	15.00
28	14.99	31	16.09	Sept. 1	16.00	Dec. 1	15.14
Apr. 1	15.08	June 30	15.32	30	15.48		

872. D. C. Buller. SE¼SE¼ sec. 31, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 31 feet. Highest water level 17.65 below lsd, Mar. 11, 1939; lowest 35.37 below lsd, Oct. 2, 1951. Records available: 1938-55. Feb. 1, 33.43; Feb. 28, 33.52; Apr. 1, 33.00; May 3, 33.20. Measurement discontinued.

873. City of Wichita. SE¼ sec. 31, T. 23 S., R. 2 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 60 feet. Highest water level 10.49 below lsd, Apr. 29, 1943; lowest 40.78 below lsd, Sept. 30, 1955. Records available: 1938-49, 1954-55. July 1, 1954, 32.58; Apr. 1, 1955, 35.81; May 31, 37.39; June 30, 39.83; Sept. 30, 40.78.

874. City of Wichita. SE¼ sec. 31, T. 23 S., R. 2 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 201 feet. Highest water level 20.04 below lsd, May 27, 1940; lowest 46.75 below lsd, July 1, 1954. Records available: 1938-49, 1954-55. July 1, 1954, 46.75; Apr. 1, 1955, 44.55; May 31, 45.56; June 30, 45.68; Sept. 30, 45.97.

875. A. B. Havely. SE¼SE¼ sec. 17, T. 23 S., R. 3 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 13 feet. Highest water level 0.14 above lsd, May 1, 1952; lowest 8.78 below lsd, Oct. 31, 1955. Records available: 1939-55.

Feb. 1	6.16	May 3	8.03	Aug. 1	8.42	Oct. 31	8.78
28	6.96	31	7.36	Sept. 1	8.15	Dec. 1	8.69
Apr. 1	6.94	June 30	7.62	30	8.07		

876. A. B. Havely. SE¼SE¼ sec. 17, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 246 feet. Highest water level 21.55 below lsd, Sept. 7, 1951; lowest 31.20 below lsd, Sept. 30, 1955. Records available: 1939-55.

Feb. 1	29.95	May 3	30.24	Aug. 1	30.71	Oct. 31	31.10
28	30.02	31	30.44	Sept. 1	30.96	Dec. 1	31.07
Apr. 1	30.07	June 30	30.54	30	31.20		

877. A. B. Havely. SE¼SE¼ sec. 17, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 6 inches, depth 47 feet. Highest water level 9.95 below lsd, May 6, 1945; lowest 17.81 below lsd, Aug. 30-Sept. 1, Sept. 30-Oct. 1, 1955. Records available: 1939-55. Measurements for October, November, and December, 1954, were too high by 0.7 foot.

877--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.72	16.83	16.94	17.09	.....	17.37	17.47	17.70	17.81	17.81	17.50	17.59
2	.....	16.84	16.94	17.09	17.29	17.37	17.48	17.71	.....	17.67	17.51	17.54
3	.....	16.84	16.94	17.09	17.30	17.36	17.49	17.71	.....	17.66	17.53	17.58
4	.....	16.84	16.94	17.10	17.30	17.35	17.49	17.71	.....	17.62	17.53	17.60
5	.....	16.85	16.94	17.10	17.30	17.34	17.49	17.72	.....	.....	17.52	17.60
6	16.76	16.85	16.94	17.11	17.30	17.36	17.50	17.72	.....	.....	17.53	17.59
7	.....	16.86	16.94	17.11	17.32	17.37	17.50	17.72	.....	.....	17.53	17.59
8	.....	16.86	16.94	17.15	17.32	17.37	17.51	17.73	.....	.....	17.53	17.61
9	.....	16.86	17.02	17.23	17.32	17.37	17.51	17.73	.....	.....	17.53	17.61
10	.....	16.87	.....	.....	17.32	17.37	17.52	17.73	.....	.....	17.53	17.61
11	.....	16.87	.....	.....	17.32	17.37	17.52	17.74	.....	.....	17.50	17.61
12	.....	16.88	.....	.....	17.32	17.37	17.53	17.74	.....	.....	17.52	17.61
13	.....	16.88	.....	.....	17.32	17.37	17.53	17.74	.....	.....	17.52	17.62
14	16.74	16.88	.....	.....	17.32	17.37	17.54	17.74	.....	.....	17.52	17.64
15	.....	16.89	.....	.....	17.32	17.37	17.54	17.75	.....	.....	17.52	17.64
16	.....	16.89	.....	.....	17.32	17.37	17.55	17.75	.....	.....	17.52	17.60
17	.....	16.89	.....	.....	17.32	17.36	17.56	17.76	.....	.....	17.53	17.62
18	.....	16.90	.....	.....	17.32	17.36	17.57	17.76	.....	.....	17.53	17.67
19	.....	16.90	.....	.....	17.32	17.37	17.58	17.76	.....	.....	17.55	17.67
20	.....	16.91	.....	.....	17.32	17.37	17.59	17.77	.....	.....	17.56	17.67
21	.....	16.91	.....	.....	17.32	17.37	17.60	17.77	.....	.....	17.56	17.67
22	.....	16.91	.....	.....	17.32	17.37	17.61	17.77	.....	.....	17.54	17.64
23	.....	16.92	.....	.....	17.32	17.38	17.62	17.78	.....	.....	17.59	17.64
24	.....	16.92	.....	.....	17.40	17.39	17.63	17.78	.....	.....	17.59	17.67
25	.....	16.92	.....	.....	.....	17.41	17.64	17.78	.....	.....	17.58	17.67
26	.....	16.93	.....	.....	17.40	17.42	17.65	17.79	.....	.....	17.58	17.67
27	.....	16.93	.....	.....	17.37	17.42	17.66	17.79	.....	.....	17.59	17.67
28	.....	16.94	.....	.....	17.37	17.43	17.67	17.80	.....	.....	17.59	17.67
29	.....		.....	.....	17.37	17.45	17.68	17.80	.....	.....	17.59	17.67
30	.....		.....	.....	17.37	17.46	17.69	17.81	17.81	.....	17.59	17.76
31	16.87		.....		17.37		17.70	17.81		17.48		.....

878. C. Cadwell. SE¼SE¼ sec. 1, T. 24 S., R. 3 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 45 feet. Highest water level 16.25 below lsd, June 3, 1940; lowest 34.93 below lsd, Dec. 2, 1953. Records available: 1938-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	33.00	May 3	33.15	Aug. 1	33.61	Oct. 31	33.85
28	32.91	31	33.29	Sept. 1	33.64	Dec. 1	33.88
Apr. 1	33.14	June 30	33.42	30	33.85		

879. C. Cadwell. SE¼SE¼ sec. 1, T. 24 S., R. 3 W. Drilled observation water-table well in sand, diameter 1¼ inches, depth 241 feet. Highest water level 17.52 below lsd, May 27, June 3, 1940; lowest 37.68 below lsd, Sept. 1, 1955. Records available: 1938-55.

Feb. 1	36.53	May 3	36.71	Aug. 1	37.23	Oct. 31	36.92
28	36.52	31	36.79	Sept. 1	37.68	Dec. 1	36.95
Apr. 1	36.32	June 30	36.82	30	37.31		

880. Peter Miller. SE¼SE¼ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 15 feet. Highest water level 2.56 below lsd, Sept. 30, 1945; lowest 18.48 below lsd, Jan. 2, 1953. Records available: 1938-55.

Feb. 1	12.58	May 3	12.89	Aug. 1	13.23	Oct. 31	12.59
28	12.64	31	12.99	Sept. 1	13.28	Dec. 1	12.89
Apr. 1	12.77	June 30	13.10	30	13.22		

881. Peter Miller. SE¼SE¼ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 57 feet. Highest water level 3.23 below lsd, Sept. 30, 1945: lowest 12.60 below lsd, Nov. 2, 1954. Records available: 1938-55. Feb. 1, 12.01; Feb. 28, 12.12; Apr. 1, 12.35; May 3, 12.48; May 31, 12.45; Oct. 31, 12.46; Dec. 1, 12.52.

883. Maggie Holle. NW¼NW¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 38 feet. Highest water level 13.35 below lsd, Aug. 21, 1939; lowest dry, June 30, Aug. 1, Sept. 1, 1955. Records available: 1939-55. Feb. 1, 32.09; Feb. 28, 32.24; Apr. 1, 32.96; May 31, 33.33; June 30, dry; Aug. 1, dry; Sept. 1, dry.

884. Maggie Holle. NW¼NW¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 60 feet. Highest water level 13.34 below lsd, Aug. 21, 1939; lowest 35.59 below lsd, Sept. 1, 1955. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	32.13	May 3	33.31	Aug. 1	35.15	Oct. 31	34.59
28	32.28	31	34.00	Sept. 1	35.59	Dec. 1	33.86
Apr. 1	33.10	June 30	34.80	30	34.50		

885. Maggie Holle. NW¼NW¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 99 feet. Highest water level 13.22 below lsd, Aug. 21, 1939; lowest 36.78 below lsd, Sept. 30, 1955. Records available: 1939-55.

Feb. 1	32.55	May 3	33.62	Aug. 1	36.05	Oct. 31	36.63
28	32.89	31	34.20	Sept. 1	36.76	Dec. 1	36.52
Apr. 1	33.02	June 30	35.12	30	36.78		

886. F. H. Haiber. NE¼NW¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 57 feet. Highest water level 2.34 below lsd, Aug. 21, 1939; lowest 30.65 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	26.38	May 3	28.46	Aug. 1	30.58	Oct. 25	28.88
25	27.20	25	29.30	26	29.67	31	28.64
28	27.13	31	28.89	Sept. 1	30.65	Nov. 25	28.39
Mar. 25	28.80	June 25	29.63	26	28.98	Dec. 1	28.95
Apr. 1	28.67	30	28.72	30	30.41	30	28.49
25	28.52	July 25	29.00				

887. F. H. Haiber. NE¼NW¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 111 feet. Highest water level 2.72 below lsd, May 27, 1940; lowest 32.07 below lsd, Aug. 1, 1955. Records available: 1939-55.

Feb. 1	26.95	May 3	29.32	Aug. 1	32.07	Oct. 31	29.70
28	27.72	31	29.93	Sept. 1	30.65	Dec. 1	30.15
Apr. 1	29.63	June 30	29.52	30	31.67		

888. C. K. Ellis. NW¼NW¼ sec. 17, T. 23 S., R. 2 W. Drilled observation water-table well in medium sand, diameter 1¼ inches, depth 12 feet. Highest water level 0.35 above lsd, Nov. 7, 1951; lowest dry, Feb. 1, Dec. 30, 1954, Feb. 1, Dec. 1, 1955. Records available: 1939-55. Feb. 1, dry; Feb. 28, 10.62; Dec. 1, dry.

889. C. K. Ellis. NW¼NW¼ sec. 17, T. 23 S., R. 2 W. Drilled observation water-table well in medium sand, diameter 1¼ inches, depth 151 feet. Highest water level 0.62 below lsd, Aug. 1, 1951; lowest dry, Feb. 28, 1955. Records available: 1939-55.

Feb. 1	10.90	May 3	10.56	Aug. 1	13.16	Oct. 31	10.47
28	(f)	31	11.95	Sept. 1	13.33	Dec. 1	11.47
Apr. 1	11.00	June 30	11.94	30	11.63		

f Dry.

890a. J. F. Jorgenson. NE¼SE¼SE¼ sec. 21, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 15 feet. Highest water level 6.98 below lsd, Feb. 1, 1954; lowest 9.79 below lsd, Sept. 1, 1955. Records available: 1954-55.

Feb. 1	8.75	May 3	9.10	July 1	9.11	Sept. 30	8.87
28	8.74	31	8.95	Aug. 1	9.41	Oct. 31	8.36
Mar. 31	8.91	June 30	9.11	Sept. 1	9.79	Dec. 1	8.23
Apr. 1	8.91						

891. Arthur McMurry. SE¼SE¼ sec. 31, T. 24 S., R. 3 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 7 feet. Highest water level 0.46 below lsd, May 11, 1942; lowest dry, Aug. 2, Dec. 1, 1954, Aug. 1, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	4.70	May 3	4.87	Aug. 1	(f)	Oct. 31	3.80
28	4.79	31	4.36	Sept. 1	(f)	Dec. 1	4.02
Apr. 1	4.30	June 30	4.05	30	5.23		

f Dry.

892. Arthur McMurry. SE¼SE¼ sec. 31, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 106 feet. Highest water level 1.15 above lsd, May 12, 1944; lowest 4.91 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	3.99	May 3	4.07	Aug. 1	4.44	Oct. 31	2.98
28	3.80	31	3.63	Sept. 1	4.91	Dec. 1	3.37
Apr. 1	3.74	June 30	3.25	30	3.67		

893. Arthur McMurry. SE¼SE¼ sec. 31, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 163 feet. Highest water level 0.48 above lsd, July 9, 1951; lowest 5.21 below lsd, June 2, 1953. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	3.90	May 3	3.05	Aug. 1	4.06	Oct. 31	2.64
28	4.04	31	3.78	Sept. 1	4.53	Dec. 1	3.14
Apr. 1	3.64	June 30	3.01	30	3.50		

894. H. A. Lawrence. NE¼NE¼ sec. 18, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 59 feet. Highest water level 9.56 below lsd, May 27, 1940; lowest 33.60 below lsd, Aug. 2, 1954. Records available: 1938-55.

Feb. 1	32.20	May 3	31.52	Aug. 1	31.97	Oct. 31	32.35
28	31.45	31	34.49	Sept. 1	32.14	Dec. 1	32.35
Apr. 1	31.46	June 30	32.70	30	32.29		

1053B. J. H. Workentine. SW¼NE¼NW¼ sec. 16, T. 23 S., R. 3 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches. Highest water level 6.67 below lsd, July 9, 1951; lowest 18.44 below lsd, Sept. 30, 1955. Records available: 1950-55. June 30, 17.60; Sept. 30, 18.44.

1173. City of Wichita. NE¼NE¼ sec. 29, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 26 feet. Highest water level 10.64 below lsd, July 9, 1951; lowest 22.17 below lsd, Sept. 30, 1955. Records available: 1950-55. June 30, 21.66; Sept. 30, 22.17.

1175. City of Wichita. SE¼SE¼ sec. 30, T. 24 S., R. 1 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 32 feet. Highest water level 3.80 below lsd, July 9, 1951; lowest 18.73 below lsd, June 30, 1955. Records available: 1950-55. Apr. 1, 18.29; May 31, 18.53; June 30, 18.73; Sept. 30, 18.48.

1179. City of Wichita. SE¼NW¼SE¼ sec. 33, T. 24 S., R. 1 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 32 feet. Highest water level 8.25 below lsd, Oct. 2, 1951; lowest 18.80 below lsd, Sept. 30, 1955. Records available: 1950-55. Apr. 1, 18.24; June 30, 18.50; Sept. 30, 18.80.

1186. City of Wichita. SW¼SW¼ sec. 13, T. 24 S., R. 2 W. Driven observation water-table well in sand, gravel, and alluvium, diameter 1¼ inches, depth 37 feet. Highest water level 5.25 below lsd, Sept. 7, 1951; lowest dry, June 2, 1954. Records available: 1941-55.

Feb. 1	20.01	May 3	20.86	Aug. 1	21.86	Sept. 30	20.63
28	20.18	31	21.09	Sept. 1	22.12	Dec. 1	21.23
Apr. 1	20.48	June 30	22.32				

1187. City of Wichita. NW¼NW¼ sec. 29, T. 24 S., R. 1 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 39 feet. Highest water level 2.30 below lsd, July 9, 1951; lowest 18.77 below lsd, Sept. 1, 1955. Records available: 1941-55.

Feb. 1	16.01	May 3	17.56	June 30	17.19	Sept. 1	18.77
28	16.03	31	18.09	Aug. 1	18.67	30	15.34
Apr. 1	18.28						

1189. City of Wichita. SW¼SW¼ sec. 16, T. 24 S., R. 2 W. Driven observation water-table well in sand, gravel, and alluvium, diameter 1¼ inches, depth 21 feet. Highest water level 6.50 below lsd, Apr. 26, 1942; lowest 25.30 below lsd, June 30, 1955. Records available: 1941-46, 1949-55. June 30, 25.30; Sept. 30, 25.18.

1190. City of Wichita. SE¼SE¼ sec. 10, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 27 feet. Highest water level 14.14 below lsd, July 9, 1951; lowest 30.02 below lsd, Sept. 30, 1955. Records available: 1950-55.

Feb. 1	27.99	May 3	28.62	Aug. 1	29.38	Sept. 30	30.02
28	28.13	31	28.83	Sept. 1	29.84	Dec. 1	29.48
Apr. 1	28.38	June 30	29.02				

1191. City of Wichita. SW¼ sec. 27, T. 23 S., R. 2 W. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 27 feet. Highest water level 10.09 below lsd, Oct. 4, 1950; lowest 16.66 below lsd, Sept. 30, 1955. Records available: 1950-55. Apr. 1, 16.17; June 30, 16.59; Sept. 30, 16.66.

1193. J. W. McElwain. SE¼NE¼NE¼ sec. 24, T. 23 S., R. 3 W. Driven stock observation water-table well in sand, diameter 1¼ inches, depth 23 feet. Highest water level 2.64 below lsd, Apr. 1, 1952; lowest 11.68 below lsd, June 28, 1950. Records available: 1950-55. May 31, 9.43; June 30, 9.63; Sept. 30, 9.68.

1194. Byron Wood. NE¼SW¼SW¼ sec. 14, T. 23 S., R. 3 W. Driven observation water-table well in sand, diameter 1¼ inches, depth 21 feet. Highest water level 2.14 below lsd, Mar. 31, 1952; lowest 12.08 below lsd, Dec. 4, 1941. Records available: 1941, 1950, 1952-55. May 31, 11.25; June 30, 11.36; Sept. 30, 11.40.

1196. Maggie Vollwieder. SE. cor. sec. 27, T. 24 S., R. 3 W. Driven stock water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 19 feet. Highest water level 2.17 below lsd, June 3, 1952; lowest 7.27 below lsd, Sept. 1, 1955. Records available: 1941, 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	6.85	May 3	6.88	Aug. 1	7.11	Oct. 31	6.08
28	6.85	31	6.94	Sept. 1	7.27	Dec. 1	6.17
Apr. 1	6.86	June 30	6.95	Oct. 3	6.87		

2072. Peter Hoops and others. NE¼NW¼ sec. 5, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 3 inches, depth 46 feet. Highest water level 27.09 below lsd, May 5, 1947; lowest 39.27 below lsd, Sept. 30, 1955. Records available: 1941-55.

Feb. 21	38.79	May 3	38.66	Aug. 1	39.17	Oct. 31	38.98
28	38.88	31	39.03	Sept. 1	39.20	Dec. 1	39.01
Apr. 1	38.90	June 30	39.08	30	39.27		

2084. Mrs. Emma Linn Webster. SE¼ sec. 15, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 6 inches, depth 30 feet. Highest water level 2.79 below lsd, Oct. 2, 1951; lowest 26.04 below lsd, Sept. 30, 1955. Records available: 1950-55.

Feb. 1	24.40	May 3	24.80	Sept. 1	25.97	Oct. 31	25.34
28	24.64	31	25.07	30	26.04	Dec. 1	25.65
Apr. 1	24.80	Aug. 1	25.50				

2088. City of Wichita. NW¼NW¼NW¼ sec. 22, T. 24 S., R. 2 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 18 feet. Highest water level 3.90 below lsd, Apr. 28, 1944; lowest 23.70 below lsd, Sept. 26, 1955. Records available: 1944-46, 1949-55. June 18, 22.92; June 22, 22.51; June 30, 22.67; Sept. 26, 23.70; Sept. 30, 22.60; Oct. 3, 18.99; Oct. 14, 20.50.

3001. City of Wichita. SW¼SW¼ sec. 30, T. 23 S., R. 2 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches. Highest water level 19.12 below lsd, Sept. 30, 1955; lowest 29.56 below lsd, Sept. 1, 1955. Records available: 1951-55.

Feb. 1	28.08	May 3	27.80	Aug. 1	29.41	Oct. 31	28.19
28	27.43	31	28.65	Sept. 1	29.56	Dec. 1	28.57
Apr. 1	28.22	June 30	28.65	30	19.12		

3002. City of Wichita. SW¼SW¼SE¼ sec. 30, T. 24 S., R. 2 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches, depth 20 feet. Highest water level 0.82 above lsd, July 9, 1951; lowest 11.26 below lsd, Nov. 2, 1954. Records available: 1950-55.

Feb. 1	8.54	May 3	8.82	Aug. 1	9.17	Oct. 31	9.22
28	8.65	31	8.92	Sept. 1	9.27	Dec. 1	8.97
Apr. 1	8.73	June 30	9.03	30	9.42		

3003. City of Wichita. SW¼SE¼SE¼ sec. 32, T. 24 S., R. 2 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches, depth 20 feet. Highest water level 0.67 below lsd, July 9, 1951; lowest 10.03 below lsd, Apr. 1, 1955. Records available: 1950-55. Apr. 1, 10.03; June 30, 9.21; Sept. 30, 9.08.

3005. Sally McFarland and others. SE¼SW¼ sec. 28, T. 23 S., R. 2 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches. Highest water level 35.20 below lsd, Mar. 2, 1954; lowest 56.10 below lsd, Sept. 1, 1955. Records available: 1951-55.

Feb. 1	45.27	May 3	43.25	Aug. 1	51.12	Oct. 31	46.39
28	43.95	31	46.14	Sept. 1	56.10	Dec. 1	50.28
Apr. 1	45.82	June 30	48.66	30	46.86		

3031. City of Wichita. NE¼ sec. 24, T. 24 S., R. 3 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches. Highest water level 9.82 below lsd, Oct. 2, 1951; lowest 19.34 below lsd, Sept. 30, 1955. Records available: 1950-55.

Feb. 1	18.33	May 3	18.82	Aug. 1	19.25	Oct. 31	18.60
28	18.50	31	18.94	Sept. 1	19.33	Dec. 1	18.97
Apr. 1	18.65	June 30	19.11	30	19.34		

3032. City of Wichita. SW¼ sec. 24, T. 24 S., R. 2 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches, depth 48 feet. Highest water level 13.03 below lsd, Nov. 7, 1951; lowest dry, June 2, 1954. Records available: 1950-55.

Feb. 1	24.37	May 3	25.04	Aug. 1	25.98	Oct. 31	26.04
28	24.59	31	25.22	Sept. 1	26.35	Dec. 1	26.02
Apr. 1	24.77	June 30	25.49	30	26.41		

3033. City of Wichita. SW¼ sec. 2, T. 24 S., R. 2 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches, depth 45 feet. Highest water level 13.77 below lsd, Aug. 1, 1951; lowest 26.83 below lsd, Sept. 1, 1955. Records available: 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	23.89	May 3	24.27	Aug. 1	19.06	Oct. 31	25.63
28	23.78	31	24.79	Sept. 1	26.83	Dec. 1	25.83
Apr. 1	24.38	June 30	24.92	30	26.30		

3035. City of Wichita. SE¼SE¼ sec. 34, T. 23 S., R. 3 W. Drilled observation water-table well in McPherson formation, diameter 1¼ inches, depth 28 feet. Highest water level 3.70 below lsd, Mar. 31, 1953; lowest 13.19 below lsd, Oct. 4, 1950. Records available: 1950-55. Apr. 1, 11.95; June 30, 12.12; Sept. 30, 12.16.

3036. City of Wichita. SE¼SW¼SE¼ sec. 23, T. 23 S., R. 3 W. Drilled observation water-table well in McPherson formation, diameter 1¼ inches, depth 40 feet. Highest water level 13.63 below lsd, Jan. 3, 1952; lowest 29.74 below lsd, Sept. 30, 1955. Records available: 1950-55.

Feb. 1	28.12	May 3	28.42	Aug. 1	29.44	Oct. 31	28.80
28	27.98	31	28.70	Sept. 1	29.67	Dec. 1	28.98
Apr. 1	28.38	June 30	28.85	30	29.74		

3037. City of Wichita. NE¼NW¼NE¼ sec. 5, T. 24 S., R. 2 W. Drilled observation water-table well in McPherson formation, diameter 1¼ inches, depth 70 feet. Highest water level 36.76 below lsd, Sept. 30, 1955; lowest 53.00 below lsd, Sept. 1, 1955. Records available: 1950-55.

Feb. 21	45.91	May 3	45.97	Aug. 1	50.87	Oct. 31	45.50
28	44.12	31	47.27	Sept. 1	53.00	Dec. 1	48.46
Apr. 1	45.91	June 30	47.27	30	36.76		

3038. Sally McFarland and others. SE¼SW¼SW¼ sec. 33, T. 23 S., R. 2 W. Drilled observation water-table well in McPherson formation, diameter 1¼ inches, depth 70 feet. Highest water level 36.04 below lsd, Jan. 3, 1951; lowest 46.85 below lsd, Oct. 2, 1953. Records available: 1950-55. Apr. 1, 44.54; June 30, 45.54; Sept. 30. 46.20.

3039. George Lehman. SW¼SE¼ sec. 34, T. 23 S., R. 2 W. Drilled observation water-table well in McPherson formation, diameter 1¼ inches, depth 37 feet. Highest water level 0.1 above lsd, Sept. 7, 1951; lowest 17.52 below lsd, May 4, 1950. Records available: 1950-55.

Feb. 1	14.56	May 3	15.55	Aug. 1	16.47	Oct. 31	15.04
28	14.18	31	15.26	Sept. 1	17.44	Dec. 1	15.16
Apr. 1	15.19	June 30	14.60	30	15.96		

M-1. City of Wichita. NW¼NW¼ sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 222 feet. Highest water level 18.56 below lsd, Apr. 13, 1939; lowest 107.00 below lsd, Aug. 2, Sept. 1, 1954. Records available: 1939-55.

Feb. 1	106.0	May 3	100.0	Aug. 1	106.0	Nov. 1	99.0
Mar. 1	33.0	June 1	105.0	Sept. 1	98.5	Dec. 1	100.0
Apr. 1	105.50	July 1	102.0	30	102.0	30	36.0

M-1a. City of Wichita. NW¼NW¼ sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 71 feet. Highest water level 17.47 below lsd, June 3, 1940; lowest 43.07 below lsd, Aug. 1, 1955. Records available: 1939-55.

Feb. 1	39.22	May 3	37.06	Aug. 1	43.07	Nov. 1	38.22
Mar. 1	30.63	June 1	41.27	Sept. 1	42.84	Dec. 1	41.04
Apr. 1	40.68	July 1	40.98	30	41.28	30	33.60

M-1b. City of Wichita. NW¼NW¼ sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 69 feet. Highest water level 15.94 below lsd, June 3, 1940; lowest 40.93 below lsd, Aug. 1, 1955. Records available: 1939-55.

Feb. 1	37.94	May 3	34.91	Aug. 1	40.93	Nov. 1	36.08
Mar. 1	29.74	June 1	39.07	Sept. 1	40.84	Dec. 1	37.93
Apr. 1	28.43	July 1	38.85	30	39.18	30	32.54

M-2. City of Wichita. NW¼SW¼ sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 234 feet. Highest water level 18.33 below lsd, May 4, 1939; lowest 168.00 below lsd, Sept. 30, 1955. Records available: 1939-55.

Feb. 1	44.5	May 3	41.0	Aug. 1	47.0	Nov. 1	44.0
Mar. 1	38.0	June 1	45.0	Sept. 1	52.0	Dec. 1	46.0
Apr. 1	45.0	July 1	45.5	30	168.0	30	41.5

M-2a. City of Wichita. NW¼SW¼ sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 67 feet. Highest water level 17.84 below lsd, June 3, 1940; lowest 43.87 below lsd, Sept. 1, 1955. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	39.25	May 3	37.21	Aug. 1	43.43	Dec. 1	40.05
Mar. 1	33.61	June 1	40.65	Sept. 1	43.87	30	37.30
Apr. 1	40.29	July 1	41.47	30	41.94		

M-2b. City of Wichita. NW¼SW¼ sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 69 feet. Highest water level 20.25 below lsd, May 27, 1940; lowest 48.30 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	41.40	May 3	41.53	Aug. 1	47.03	Nov. 1	38.54
Mar. 1	40.39	June 1	42.72	Sept. 1	48.30	Dec. 1	42.64
Apr. 1	43.77	July 1	39.50	30	42.44	30	45.55

M-2c. City of Wichita. NW¼SW¼ sec. 29, T. 23 S., R. 2 W. Driven and drilled observation water-table well in McPherson formation, diameter 1¼ inches. Highest water level 29.35 below lsd, Feb. 28, 1951; lowest 42.07 below lsd, Sept. 30, 1955. Records available: 1946-55. June 1, 39.59; July 1, 39.40; Sept. 30, 42.07; Nov. 1, 36.81; Dec. 30, 37.42.

M-3. Formerly M-4. City of Wichita. SE¼SE¼ sec. 30, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 234 feet. Highest water level 23.12 below lsd, May 27, 1940; lowest 104.00 below lsd, Dec. 30, 1955. Records available: 1939-55.

Feb. 1	47.0	May 3	94.0	Aug. 1	55.5	Nov. 1	45.0
Mar. 1	97.0	June 3	44.0	Sept. 1	57.0	Dec. 1	48.0
Apr. 1	96.5	July 1	97.5	30	46.0	30	104.00

M-3a. Formerly M-4a. City of Wichita. SE¼SE¼ sec. 30, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 69 feet. Highest water level 22.87 below lsd, May 27, 1940; lowest 53.40 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	44.70	May 3	46.88	Aug. 1	51.18	Nov. 1	43.55
Mar. 1	47.10	June 1	45.40	Sept. 1	53.40	Dec. 1	46.22
Apr. 1	48.18	July 1	50.97	30	44.71	30	52.02

M-3b. Formerly M-4b. City of Wichita. SE¼SE¼ sec. 30, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 69 feet. Highest water level 23.91 below lsd, May 27, 1940; lowest 53.02 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	45.16	May 3	46.96	Aug. 1	50.94	Nov. 1	44.17
Mar. 1	47.08	June 1	45.82	Sept. 1	53.02	Dec. 1	46.58
Apr. 1	48.26	July 1	50.81	30	45.23	30	51.60

M-4. Formerly M-3. City of Wichita. SE¼SE¼SW¼ sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 238 feet. Highest water level 23.20 below lsd, May 8, 1939; lowest 126.5 below lsd, Aug. 2, 1954. Records available: 1939-55.

Feb. 1	45.0	May 3	44.0	Aug. 1	49.0	Nov. 1	97.0
Mar. 1	44.0	June 1	46.0	Sept. 1	101.0	Dec. 1	100.0
Apr. 1	46.0	July 1	98.0	30	42.0	30	50.0

M-4a. Formerly M-3a. City of Wichita. SE¼SW¼ sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 66 feet. Highest water level 19.93 below lsd, May 27, 1940; lowest 56.54 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	41.72	May 3	41.64	Aug. 1	49.22	Nov. 1	47.33
Mar. 1	41.55	June 1	43.13	Sept. 1	56.54	Dec. 1	50.12
Apr. 1	42.70	July 1	51.50	30	42.04	30	47.13

M-4b. Formerly M-3b. City of Wichita. SE¼SW¼ sec. 29, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 97 feet. Highest water level 23.13 below lsd, May 27, 1940; lowest 60.42 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	44.95	May 3	45.54	Aug. 1	52.98	Nov. 1	50.34
Mar. 1	45.77	June 1	46.36	Sept. 1	60.42	Dec. 1	53.25
Apr. 1	44.95	July 1	55.25	30	45.33	30	49.96

M-5. City of Wichita. NW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 237 feet. Highest water level 20.33 below lsd, May 16, 1939; lowest 150.0 below lsd, Mar. 1, 1955. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	147.0	May 3	143.0	Aug. 1	105.0	Nov. 1	44.0
Mar. 1	150.0	June 1	144.0	Sept. 1	104.0	Dec. 1	43.5
Apr. 1	46.0	July 1	50.0	30	45.0	30	108.0

M-5a. City of Wichita. NW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 71 feet. Highest water level 17.79 below lsd, June 3, 1940; lowest 42.06 below lsd, Sept. 30, 1949. Records available: 1939-55.

Feb. 1	37.66	June 1	37.69	Sept. 1	39.58	Dec. 1	37.75
Mar. 1	37.30	July 1	38.87	30	39.34	30	38.55
May 3	37.84	Aug. 1	39.20	Nov. 1	37.88		

M-5b. City of Wichita. NW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 59 feet. Highest water level 17.82 below lsd, May 27, 1940; lowest 43.00 below lsd, Feb. 27, 1947. Records available: 1939-55.

Feb. 1	37.54	May 3	37.71	Aug. 1	38.86	Nov. 1	37.83
Mar. 1	37.09	June 1	37.53	Sept. 1	39.19	Dec. 1	37.61
Apr. 1	38.15	July 1	38.62	30	39.23	30	38.85

M-6. City of Wichita. SW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled observation public-supply water-table well in sand and gravel, diameter 18 inches, depth 257 feet. Highest water level 10.10 below lsd, Apr. 2, 1951; lowest 114.0 below lsd, Jan. 31, 1952. Records available: 1939-55.

Feb. 1	41.0	May 3	40.0	Aug. 1	41.0	Nov. 1	40.0
Mar. 1	40.0	June 1	40.0	Sept. 1	41.0	Dec. 1	40.0
Apr. 1	112.0	July 1	110.0	30	112.0	30	40.5

M-6a. City of Wichita. SW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 18.63 below lsd, June 3, 1940; lowest 41.68 below lsd, Sept. 30, 1955. Records available: 1939-55.

Feb. 1	39.67	May 3	40.10	Aug. 1	40.56	Nov. 1	39.83
Mar. 1	39.13	June 1	39.70	Sept. 1	40.82	Dec. 1	39.65
Apr. 1	40.34	July 1	40.75	30	41.68	30	39.00

M-6b. City of Wichita. SW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 18.46 below lsd, June 3, 1940; lowest 41.55 below lsd, July 31, 1953. Records available: 1939-55.

Feb. 1	39.24	May 3	39.56	Aug. 1	40.18	Nov. 1	39.60
Mar. 1	38.69	June 1	39.22	Sept. 1	40.40	Dec. 1	39.18
Apr. 1	39.88	July 1	40.27	30	41.16	30	39.02

M-7. Formerly M-8. City of Wichita. SE¼NE¼ sec. 6, T. 24 S., R. 2 W. Drilled observation public-supply water-table well in sand and gravel, diameter 18 inches, depth 257 feet. Highest water level 15.93 below lsd, May 27, 1940; lowest 121.0 below lsd, Sept. 30, Nov. 11, Dec. 1, 1955. Records available: 1939-55.

Feb. 1	115.5	May 3	112.0	Sept. 1	115.0	Dec. 1	121.0
Mar. 1	39.0	July 1	38.5	30	121.0	30	39.0
Apr. 1	38.5	Aug. 1	114.5	Nov. 11	121.0		

M-7a. Formerly M-8a. City of Wichita. SE¼NE¼ sec. 6, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 14.72 below lsd, June 3, 1940; lowest 41.08 below lsd, Sept. 30, 1950. Records available: 1939-55.

Feb. 1	37.40	May 3	37.20	Sept. 1	37.29	Dec. 1	37.88
Mar. 1	36.96	July 1	37.11	30	38.60	30	37.14
Apr. 1	36.59	Aug. 1	37.87	Nov. 1	37.73		

M-7b. Formerly M-8b. City of Wichita. SE¼NE¼ sec. 6, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 54 feet. Highest water level 13.30 below lsd, June 3, 1940; lowest 37.00 below lsd, Sept. 30, 1955. Records available: 1939-55.

Feb. 1	36.04	May 3	35.82	Aug. 1	36.40	Nov. 1	36.11
Mar. 1	35.42	June 1	35.85	Sept. 1	36.81	Dec. 1	36.24
Apr. 1	35.12	July 1	35.61	30	37.00	30	35.44

M-8. Formerly M-9. City of Wichita. NW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 248 feet. Highest water level 10.82 below lsd, May 27, 1940; lowest 80.0 below lsd, Sept. 1, Nov, 2, 1954, Sept. 1, 1955. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	79.0	May 3	77.5	Aug. 1	38.0	Nov. 1	37.5
Mar. 1	79.0	June 1	37.0	Sept. 1	80.0	Dec. 1	38.0
Apr. 1	78.0	July 1	78.5	30	38.0	30	78.0

M-8a. Formerly M-9a. City of Wichita. NW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 10.40 below lsd, May 27, 1940; lowest 37.34 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	35.98	May 3	35.41	Aug. 1	35.77	Nov. 1	35.33
Mar. 1	35.41	June 1	34.92	Sept. 1	37.34	Dec. 1	35.46
Apr. 1	35.35	July 1	35.88	30	35.84	30	35.66

M-8b. Formerly M-9b. City of Wichita. NW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 9.12 below lsd, May 27, 1940; lowest 35.88 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	34.41	May 3	34.02	Aug. 1	34.63	Nov. 1	34.31
Mar. 1	33.95	June 1	33.80	Sept. 1	35.88	Dec. 1	34.29
Apr. 1	33.80	July 1	34.46	30	34.59	30	34.18

M-9. Formerly M-11. City of Wichita. SW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 228 feet. Highest water level 7.11 below lsd, May 27, 1940; lowest 74.00 below lsd, Oct. 1, 1952. Records available: 1939-55.

Feb. 1	33.0	May 3	62.0	Aug. 1	63.0	Nov. 1	68.0
Mar. 1	33.0	June 1	63.0	Sept. 1	63.0	Dec. 1	68.0
Apr. 1	32.0	July 1	32.5	30	35.09	30	33.0

M-9a. Formerly M-11a. City of Wichita. SW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 6.38 below lsd, May 27, 1940; lowest 35.92 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	31.41	May 3	33.64	Aug. 1	35.20	Nov. 1	33.18
Mar. 1	31.98	June 1	22.69	Sept. 1	35.92	Dec. 1	33.55
Apr. 1	30.95	July 1	32.73	30	31.05	30	30.40

M-9b. Formerly M-11b. City of Wichita. SW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 7.67 below lsd, May 27, 1940; lowest 35.20 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	32.70	May 3	33.58	Aug. 1	34.35	Nov. 1	34.02
Mar. 1	33.09	June 1	33.63	Sept. 1	35.20	Dec. 1	34.41
Apr. 1	32.18	July 1	33.12	30	33.26	30	32.62

M-10. City of Wichita. NE¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 259 feet. Highest water level 12.05 below lsd, May 27, 1940; lowest 99.0 below lsd, Aug. 2, 1954. Records available: 1939-55.

Feb. 1	39.0	May 3	37.5	Aug. 1	40.97	Nov. 1	38.67
Mar. 1	37.0	June 1	38.0	Sept. 1	41.69	Dec. 1	38.68
Apr. 1	37.7	July 1	40.12	30	39.24	30	38.32

M-10a. City of Wichita. NE¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 11.24 below lsd, May 27, 1940; lowest 41.42 below lsd, Sept. 1, 1953. Records available: 1939-55.

Feb. 1	37.42	May 3	37.09	Aug. 1	38.20	Nov. 1	37.94
Mar. 1	37.02	June 1	37.27	Sept. 1	39.16	Dec. 1	37.90
Apr. 1	36.98	July 1	37.59	30	38.54	30	37.55

M-10b. City of Wichita. NE¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 10.44 below lsd, May 27, 1940; lowest 37.52 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	36.30	May 3	35.60	Aug. 1	36.70	Nov. 1	36.42
Mar. 1	35.70	June 1	35.75	Sept. 1	37.52	Dec. 1	36.36
Apr. 1	35.67	July 1	36.18	30	37.07	30	36.10

M-11. Formerly M-20. City of Wichita. NW¼SE¼ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 248 feet. Highest water level 9.74 below lsd, May 27, 1940; lowest 92.0 below lsd, Sept. 30, 1955. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	88.0	May 3	90.0	Aug. 1	88.5	Nov. 1	87.5
Mar. 1	38.0	June 1	88.0	Sept. 1	87.5	Dec. 1	88.0
Apr. 1	38.0	July 1	88.0	30	92.0	30	89.5

M-11a. Formerly M-20a. City of Wichita. NW¼SE¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 9.28 below lsd, May 27, 1940; lowest 39.23 below lsd, Oct. 1, 1954. Records available: 1939-55.

Feb. 1	36.80	May 3	37.10	Aug. 1	38.46	Nov. 1	38.26
Mar. 1	36.48	June 1	37.40	Sept. 1	38.95	Dec. 1	38.22
Apr. 1	36.19	July 1	37.72	30	38.66	30	37.38

M-11b. Formerly M-20b. City of Wichita. NW¼SE¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 8.49 below lsd, May 27, 1940; lowest 39.37 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	37.36	May 3	37.62	Aug. 1	38.90	Nov. 1	38.71
Mar. 1	37.24	June 1	38.01	Sept. 1	39.37	Dec. 1	38.63
Apr. 1	36.90	July 1	38.22	30	39.14	30	37.90

M-12. City of Wichita. NW¼SW¼ sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 236 feet. Highest water level 11.41 below lsd, Aug. 21, 1939; lowest 96.5 below lsd, Aug. 1, 1955. Records available: 1939-55.

Feb. 1	38.0	May 3	92.5	Aug. 1	96.5	Nov. 1	92.0
Mar. 1	92.0	June 1	95.0	Sept. 1	42.5	Dec. 1	94.0
Apr. 1	92.0	July 1	40.0	30	96.0	30	92.0

M-12a. City of Wichita. NW¼SW¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 69 feet. Highest water level 10.73 below lsd, May 27, 1940; lowest 45.45 below lsd, Aug. 1, 1955. Records available: 1939-55.

Feb. 1	36.60	May 3	43.32	Aug. 1	45.45	Nov. 1	42.74
Mar. 1	41.60	June 1	43.83	Sept. 1	40.95	Dec. 1	43.84
Apr. 1	42.93	July 1	39.22	30	45.07	30	40.35

M-12b. City of Wichita. NW¼SW¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 69 feet. Highest water level 11.70 below lsd, Aug. 21, 1939, Nov. 27, 1940; lowest 45.88 below lsd, Sept. 30, 1955. Records available: 1939-55.

Feb. 1	38.78	May 3	44.19	Aug. 1	40.00	Nov. 1	43.61
Mar. 1	42.48	June 1	44.70	Sept. 1	42.09	Dec. 1	44.61
Apr. 1	43.76	July 1	40.42	30	45.88	30	41.40

M-13. City of Wichita. NW¼NE¼ sec. 17, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 245 feet, cased to 188. Highest water level 8.27 below lsd, Aug. 21, 1939; lowest 73.0 below lsd, Sept. 1, 1954. Records available: 1939-55.

Feb. 1	34.0	May 3	69.0	Aug. 1	70.0	Nov. 1	70.0
Mar. 1	70.0	June 1	70.0	Sept. 1	70.0	Dec. 1	35.0
Apr. 1	70.0	July 1	69.5	30	72.0	30	70.0

M-13a. City of Wichita. NW¼NE¼ sec. 17, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 7.89 below lsd, May 27, 1940; lowest 36.37 below lsd, Sept. 30, 1955. Records available: 1939-55.

Feb. 1	33.37	May 3	34.94	Aug. 1	35.65	Nov. 1	35.24
Mar. 1	34.54	June 1	35.32	Sept. 1	36.12	Dec. 1	34.37
Apr. 1	34.62	July 1	35.39	30	36.37	30	35.31

M-13b. City of Wichita. NW¼NE¼ sec. 17, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 7.63 below lsd, May 27, 1940; lowest 36.75 below lsd, Sept. 30, 1955. Records available: 1939-55.

Feb. 1	34.38	May 3	35.10	Aug. 1	35.80	Nov. 1	35.54
Mar. 1	34.80	June 1	35.69	Sept. 1	36.51	Dec. 1	35.39
Apr. 1	34.93	July 1	35.67	30	36.75	30	33.85

M-14. City of Wichita. NW¼NW¼ sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 102 feet. Highest water level 9.07 below lsd, May 27, 1940; lowest 59.08 below lsd, Jan. 5, 1949. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	53.5	May 3	55.0	Aug. 1	55.0	Nov. 1	39.0
Mar. 1	40.0	June 1	41.0	Sept. 1	55.0	Dec. 1	55.0
Apr. 1	55.0	July 1	54.0	30	55.0	30	39.0

M-14a. City of Wichita. NW¼NW¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 50 feet, cased to 47. Highest water level 8.31 below lsd, Apr. 4, 1939; lowest 44.42 below lsd, Oct. 1, 1954, Sept. 30, 1955. Records available: 1939-55.

Feb. 1	41.88	May 3	42.48	Sept. 1	44.10	Dec. 1	43.34
Mar. 1	38.89	July 1	43.01	30	44.42	30	37.18
Apr. 1	43.15	Aug. 1	42.98	Nov. 1	37.94		

M-14b. City of Wichita. SW¼SW¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 57 feet. Highest water level 8.16 below lsd, May 13, 27, June 3, 1940; lowest 41.73 below lsd, Sept. 30, 1955. Records available: 1939-55.

Feb. 1	39.02	May 3	39.48	Aug. 1	40.09	Nov. 1	37.82
Mar. 1	38.51	June 1	39.50	Sept. 1	41.40	Dec. 1	40.64
Apr. 1	40.15	July 1	40.20	30	41.73	30	37.17

M-15. Formerly M-7. City of Wichita. NW¼SW¼ sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 122 feet. Highest water level 11.03 below lsd, June 13, 1939; lowest 60.0 below lsd, July 1, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	58.0	May 3	59.0	Sept. 1	60.0	Dec. 1	34.0
Mar. 1	58.0	July 1	60.0	30	36.0	30	58.5
Apr. 1	59.0	Aug. 1	35.5	Nov. 1	35.0		

M-15a. Formerly M-7a. City of Wichita. NW¼SW¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 11.20 below lsd, Aug. 21, 1939; lowest 40.60 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	37.45	May 2	39.95	Sept. 1	40.60	Dec. 1	34.77
Mar. 4	40.05	July 1	40.20	30	38.20	30	38.49
Apr. 1	39.66	Aug. 1	37.25	Nov. 1	35.25		

M-15b. Formerly M-7b. City of Wichita. SW¼NW¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 11.24 below lsd, Aug. 21, 1939; lowest 38.74 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	35.23	May 2	37.93	Aug. 1	37.45	Nov. 1	35.51
Mar. 1	37.02	June 1	36.95	Sept. 1	38.74	Dec. 1	34.96
Apr. 1	37.72	July 1	38.28	30	38.24	30	36.20

M-16. Formerly M-15. City of Wichita. SE¼NE¼ sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 193 feet. Highest water level 13.92 below lsd, Apr. 17, 1939; lowest 105.5 below lsd, June 1, 1955. Records available: 1939-55.

Feb. 1	38.0	May 3	38.0	Aug. 1	70.0	Nov. 1	69.0
Mar. 1	103.0	June 1	105.5	Sept. 1	72.0	Dec. 1	69.5
Apr. 1	37.0	July 1	38.5	30	70.0	30	41.5

M-16a. Formerly M-15a. City of Wichita. SE¼NE¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 67 feet. Highest water level 12.49 below lsd, May 27, 1940; lowest 46.75 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	35.80	May 3	36.47	Aug. 1	45.10	Nov. 1	43.35
Mar. 1	37.99	June 1	39.64	Sept. 1	46.75	Dec. 1	43.21
Apr. 1	35.62	July 1	37.47	30	43.68	30	40.45

M-16b. Formerly M-15b. City of Wichita. SE¼NE¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 62 feet. Highest water level 13.45 below lsd, May 27, 1940; lowest 46.65 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	36.55	May 3	37.32	Aug. 1	45.14	Nov. 1	43.24
Mar. 1	39.02	June 1	40.86	Sept. 1	46.65	Dec. 1	43.21
Apr. 1	36.19	July 1	38.21	30	44.03	30	41.57

M-17. Formerly M-16. City of Wichita. SE¼SE¼ sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 193 feet. Highest water level 10.71 below lsd, Aug. 21, 1939; lowest 80.0 below lsd, Aug. 1, 1955. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	35.0	May 3	74.0	Aug. 1	80.0	Nov. 1	78.0
Mar. 1	36.0	June 1	37.0	Sept. 1	79.0	Dec. 1	38.0
Apr. 1	36.0	July 1	78.0	30	39.0	30	38.5

M-17a. Formerly M-16a. City of Wichita. SE¼SE¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 57 feet. Highest water level 10.93 below lsd, Aug. 21, 1939; lowest 42.08 below lsd, Aug. 1, 1955. Records available: 1939-55.

Feb. 1	34.33	May 3	36.96	Aug. 1	42.08	Nov. 1	40.75
Mar. 1	34.53	June 1	36.20	Sept. 1	42.06	Dec. 1	37.43
Apr. 1	34.86	July 1	39.81	30	38.80	30	36.95

M-17b. Formerly M-16b. City of Wichita. SE¼SE¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 56 feet. Highest water level 11.02 below lsd, May 27, 1940; lowest 36.16 below lsd, Dec. 30, 1955. Records available: 1939-55.

Feb. 1	33.80	May 3	34.32	Aug. 1	35.07	Dec. 1	35.69
Mar. 1	33.93	June 1	34.56	Sept. 1	35.72	30	36.16
Apr. 1	34.10	July 1	34.77	Nov. 1	36.13		

M-18. Formerly M-17. City of Wichita. NE¼SE¼ sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 186 feet. Highest water level 6.58 below lsd, Aug. 21, 1939; lowest 68.0 below lsd, Oct. 1, 1954. Records available: 1939-55.

Feb. 1	67.0	May 3	30.0	Aug. 1	67.0	Nov. 1	30.0
Mar. 1	30.0	June 1	67.0	Sept. 1	31.0	Dec. 1	66.0
Apr. 1	67.0	July 1	67.0	30	66.0	30	67.5

M-18a. Formerly M-17a. City of Wichita. NE¼SE¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 5.66 below lsd, Aug. 21, 1939; lowest 29.89 below lsd, Sept. 30, 1955. Records available: 1939-55.

Feb. 1	28.40	May 3	28.43	Aug. 1	29.67	Nov. 1	27.64
Mar. 1	29.16	June 1	29.32	Sept. 1	29.20	Dec. 1	28.76
Apr. 1	28.91	July 1	29.16	30	29.89	30	29.32

M-18b. Formerly M-17b. City of Wichita. NE¼SE¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 4.01 below lsd, Aug. 21, 1939; lowest 30.00 below lsd, Aug. 1, 1955. Records available: 1939-55.

Feb. 1	26.78	May 3	26.99	Aug. 1	30.00	Nov. 1	26.47
Mar. 1	26.69	June 1	27.75	Sept. 1	29.38	Dec. 1	27.28
Apr. 1	27.30	July 1	29.40	30	28.39	30	28.37

M-19. Formerly M-18. City of Wichita. SE¼SW¼ sec. 22, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 158 feet. Highest water level 10.00 below lsd, Aug. 21, 1939; lowest 67.5 below lsd, Sept. 1, Oct. 1, Nov. 2, 1953. Records available: 1939-55.

Feb. 1	31.0	May 3	67.0	Aug. 1	66.0	Nov. 1	66.0
Mar. 1	65.5	June 1	66.0	Sept. 1	66.0	Dec. 1	66.0
Apr. 1	31.0	July 1	66.5	30	66.0	30	66.0

M-19a. Formerly M-18a. City of Wichita. SE¼SW¼ sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 72 feet. Highest water level 9.62 below lsd, Aug. 21, 1939; lowest 42.98 below lsd, July 1, 1955. Records available: 1939-55.

Feb. 1	29.40	May 2	41.74	Aug. 1	41.85	Nov. 1	41.77
Mar. 1	41.27	June 1	41.23	Sept. 1	41.96	Dec. 1	42.67
Apr. 1	29.30	July 1	42.98	30	42.00	30	42.66

M-19b. Formerly M-18b. City of Wichita. SE¼SW¼ sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in sand, diameter 1¼ inches, depth 63 feet. Highest water level 9.38 below lsd, Aug. 21, 1939; lowest 36.44 below lsd, Sept. 30, 1955. Records available: 1939-55.

Feb. 1	28.88	May 3	35.66	Aug. 1	35.87	Nov. 1	36.06
Mar. 1	35.14	June 1	35.16	Sept. 1	36.33	Dec. 1	36.12
Apr. 1	28.78	July 1	35.82	30	36.44	30	36.16

M-20. Formerly M-19. City of Wichita. NE¼NE¼ sec. 27, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 145 feet. Highest water level 10.82 below lsd, Aug. 21, 1939; lowest 64.5 below lsd, Sept. 1, 1955. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	42.0	May 2	62.0	Aug. 1	63.0	Nov. 1	34.0
Mar. 1	31.0	June 1	62.0	Sept. 1	64.5	Dec. 1	33.0
Apr. 1	50.0	July 1	63.5	30	34.0	30	33.0

M-20a. Formerly M-19a. City of Wichita. NE¼NE¼ sec. 27, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 60 feet. Highest water level 13.11 below lsd, Aug. 21, 1939; lowest 36.87 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	32.85	May 2	34.97	Aug. 1	36.50	Nov. 1	34.26
Mar. 1	32.09	June 1	35.62	Sept. 1	36.87	Dec. 1	33.39
Apr. 1	34.12	July 1	36.17	30	34.29	30	33.33

M-20b. Formerly M-19b. City of Wichita. NE¼NE¼ sec. 27, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 11.47 below lsd, Aug. 21, 1939; lowest 33.32 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	30.62	May 2	31.43	Aug. 1	32.80	Nov. 1	32.25
Mar. 1	30.80	June 1	31.72	Sept. 1	33.32	Dec. 1	32.25
Apr. 1	31.04	July 1	32.36	30	33.07	30	32.18

M-21. City of Wichita. SW¼SW¼ sec. 26, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 80 feet. Highest water level 8.32 below lsd, Aug. 21, 1939; lowest 54.0 below lsd, Sept. 1, Oct. 1, 1954. Records available: 1939-55.

Feb. 1	46.0	May 2	50.0	Aug. 1	47.0	Nov. 1	31.0
Mar. 1	49.0	June 1	28.0	Sept. 1	46.0	Dec. 1	50.0
Apr. 1	29.0	July 1	30.0	30	47.0	30	48.0

M-21a. City of Wichita. SW¼SW¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 8.50 below lsd, Aug. 21, 1939; lowest 34.02 below lsd, Dec. 1, 1953. Records available: 1939-55.

Feb. 1	29.26	May 2	29.56	Aug. 1	31.36	Nov. 1	30.10
Mar. 1	28.24	June 1	28.74	Sept. 1	31.89	Dec. 1	32.70
Apr. 1	28.70	July 1	28.95	30	32.49	30	31.92

M-21b. City of Wichita. SW¼SW¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 8.08 below lsd, Aug. 21, 1939; lowest 31.36 below lsd, Aug. 1, 1955. Records available: 1939-55.

Feb. 1	27.38	May 2	28.43	Aug. 1	31.36	Nov. 1	29.72
Mar. 1	28.09	June 1	28.29	Sept. 1	29.79	Dec. 1	30.69
Apr. 1	28.17	July 1	28.45	30	30.45	30	30.45

M-22. City of Wichita. SW¼SE¼ sec. 26, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 82 feet. Highest water level 9.20 below lsd, Aug. 21, 1939; lowest 66.0 below lsd, May 2, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	33.0	May 2	66.0	Aug. 1	63.5	Nov. 1	64.0
Mar. 1	29.5	June 1	57.0	Sept. 1	66.0	Dec. 1	62.0
Apr. 1	29.5	July 1	60.0	30	33.0	30	64.0

M-22a. City of Wichita. SW¼SE¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 8.49 below lsd, Aug. 21, 1939; lowest 34.89 below lsd, Dec. 30, 1955. Records available: 1939-55.

Feb. 1	28.89	May 2	33.65	Aug. 1	33.78	Nov. 1	34.13
Mar. 1	28.63	June 1	33.22	Sept. 1	33.97	Dec. 1	34.55
Apr. 1	28.63	July 1	33.63	30	30.63	30	34.89

M-22b. City of Wichita. SE¼SW¼ sec. 26, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 50 feet. Highest water level 9.28 below lsd, Aug. 21, 1939; lowest 32.88 below lsd, Dec. 30, 1955. Records available: 1939-55.

Feb. 1	29.80	May 2	30.76	Aug. 1	31.50	Nov. 1	32.02
Mar. 1	29.38	June 1	30.93	Sept. 1	31.89	Dec. 1	32.46
Apr. 1	29.42	July 1	31.18	30	31.55	30	32.88

M-23. City of Wichita. SE¼NE¼ sec. 35, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 205 feet. Highest water level 7.85 below lsd, Aug. 21, 1939; lowest 89.00 below lsd, Mar. 31, 1952. Records available: 1939-55.

Feb. 1	36.0	May 2	32.0	Aug. 1	75.0	Nov. 1	32.0
Mar. 1	74.0	31	77.0	Sept. 1	77.5	Dec. 1	76.0
Apr. 1	34.0	July 1	78.0	30	75.0	30	76.0

M-23a. City of Wichita. SE¼NE¼ sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 8.27 below lsd, Aug. 21, 1939; lowest 30.72 below lsd, Sept. 1, 1954. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	28.50	May 2	28.83	Aug. 1	29.67	Nov. 1	29.36
Mar. 1	28.64	31	29.25	Sept. 1	29.84	Dec. 1	29.98
Apr. 1	28.63	July 1	29.45	30	30.21	30	30.13

M-23b. City of Wichita. SE¼NE¼ sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 7.50 below lsd, Aug. 21, 1939; lowest 30.98 below lsd, Dec. 1, 1955. Records available: 1939-55.

Feb. 1	28.72	May 2	29.02	Aug. 1	29.70	Nov. 1	29.40
Mar. 1	28.66	31	29.23	Sept. 1	29.83	Dec. 1	30.98
Apr. 1	28.85	July 1	29.43	30	30.20	30	30.40

M-24. City of Wichita. SE¼SE¼ sec. 35, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 97 feet. Highest water level 8.71 below lsd, Aug. 21, 1939; lowest 59.5 below lsd, May 2, 1955. Records available: 1939-55.

Feb. 1	57.0	May 2	59.5	Aug. 1	51.0	Nov. 1	30.0
Mar. 1	56.0	31	30.0	Sept. 1	30.0	Dec. 1	52.0
Apr. 1	57.0	July 1	58.5	30	32.0	30	54.0

M-24a. City of Wichita. SE¼SE¼ sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 54 feet. Highest water level 8.88 below lsd, Aug. 21, 1939; lowest 37.38 below lsd, Dec. 30, 1955. Records available: 1939-55.

Feb. 1	31.70	May 2	32.55	Aug. 1	35.20	Nov. 1	30.34
Mar. 1	32.10	31	30.22	Sept. 1	30.53	Dec. 1	35.40
Apr. 1	32.08	July 1	32.61	30	31.72	30	37.38

M-24b. City of Wichita. SE¼SE¼ sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 11.17 below lsd, Aug. 28, 1939; lowest 35.40 below lsd, Dec. 30, 1955. Records available: 1939-55.

Feb. 1	32.25	May 2	33.09	Aug. 1	33.97	Nov. 1	32.54
Mar. 1	32.69	31	32.40	Sept. 1	32.62	Dec. 1	34.13
Apr. 1	32.69	July 1	33.11	30	33.92	30	35.40

M-25. City of Wichita. SW¼SE¼ sec. 36, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 189 feet. Highest water level 5.54 below lsd, Aug. 21, 1939; lowest 59.76 below lsd, Oct. 1, 1953. Records available: 1939-55.

Feb. 1	27.5	May 2	55.0	Aug. 1	55.0	Nov. 1	53.0
Mar. 1	55.0	31	56.0	Sept. 1	56.0	Dec. 1	54.0
Apr. 1	57.0	July 1	26.5	30	27.0	30	27.0

M-25a. City of Wichita. SW¼SE¼ sec. 36, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 50 feet, cased to 47. Highest water level 5.31 below lsd, Aug. 21, 1939; lowest 27.70 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	26.29	May 2	26.74	Aug. 1	27.28	Nov. 1	27.04
Mar. 1	26.71	31	27.18	Sept. 1	27.70	Dec. 1	27.14
Apr. 1	26.75	July 1	26.61	30	27.18	30	26.97

M-26. City of Wichita. SW¼NE¼ sec. 22, T. 24 S., R. 2 W. Drilled public-supply water-table well in alluvium, diameter 18 inches, depth 195 feet. Highest water level 13.96 below lsd, July 8, 1949; lowest 91.0 below lsd, Feb. 1, May 2, 1955. Records available: 1949-55.

Feb. 1	91.0	May 2	91.0	Aug. 1	72.5	Nov. 1	29.0
Mar. 1	90.0	June 1	28.0	Sept. 1	69.0	Dec. 1	70.0
Apr. 1	90.0	July 1	80.0	30	69.0	30	70.0

M-26a. City of Wichita. SW¼NW¼ sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in Meade formation, diameter 1¼ inches, depth 81 feet. Highest water level 15.99 below lsd, Nov. 30, 1949; lowest 30.91 below lsd, Sept. 30, 1955. Records available: 1949-55.

Feb. 1	29.07	May 2	29.50	Aug. 1	29.88	Nov. 1	27.66
Mar. 1	29.22	June 1	28.17	Sept. 1	30.65	Dec. 1	29.71
Apr. 1	29.25	July 1	28.93	30	30.91	30	29.99

M-26b. City of Wichita. SW¼NW¼ sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in Meade formation, diameter 1¼ inches, depth 79 feet. Highest water level 11.62 below lsd, July 7, 1948; lowest 28.64 below lsd, Sept. 30, 1955. Records available: 1947-55.

Feb. 1	27.03	May 2	27.48	Aug. 1	27.57	Nov. 1	26.38
Mar. 1	27.20	June 1	26.77	Sept. 1	28.40	Dec. 1	27.52
Apr. 1	27.26	July 1	27.15	30	28.64	30	27.76

Haskell County

10. Elie Stoops. SE¼NW¼ sec. 33, T. 30 S., R. 34 W. Drilled unused water-table well in Ogallala formation, diameter 10 inches, depth 61 feet. Highest water level 45.40 below lsd, Oct. 12, 1950; lowest 51.74 below lsd, Mar. 18, 1948. Records available: 1941-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	47.90	July 11	45.93	Sept. 7	46.61	Nov. 28	47.14
Feb. 8	48.55	Aug. 17	46.19	Oct. 18	46.92	Dec. 19	47.17
Apr. 11	48.18						

29-32-26cb. D. E. McClure. Drilled unused water-table well, diameter 5 inches, depth 205 feet. Highest water level 190.01 below lsd, Aug. 10, 1953; lowest 195.10 below lsd, May 31, 1954. Records available: 1941, 1952-55. Feb. 8, 191.85; May 9, 190.54; Aug. 17, 193.33.

Hodgeman County

3. C. A. Bradley. SW¼NW¼ sec. 12, T. 21 S., R. 22 W. Dug and drilled irrigation water-table well in alluvium, diameter 60 to 20 inches, depth 76 feet. Highest water level 23.84 below lsd, Oct. 24, 1951; lowest 36.53 below lsd, Oct. 26, 1955. Records available: 1940-55. Apr. 20, 33.96; July 20, 34.03; Oct. 26, 36.53.

4. Bill Macey. SW¼SW¼ sec. 13, T. 22 S., R. 22 W. Dug and drilled irrigation water-table well in alluvium, diameter 60 to 20 inches, depth 50 feet. Highest water level 13.81 below lsd, July 16, 1951; lowest 27.52 below lsd, Oct. 2, 1941. Records available: 1940-55. Apr. 20, 25.09; July 20, 24.33.

24-26-35cb. A. C. James. Drilled stock water-table well in Ogallala formation, diameter 5 inches, depth 90 feet. Highest water level 64.36 below lsd, Oct. 11, 1954; lowest 64.70 below lsd, Oct. 24, 1955. Records available: 1954-55. Feb. 17, 1954, 64.52; Apr. 14, 64.48; Oct. 11, 64.36; Jan. 12, 1955, 64.49; Apr. 18, 64.45; Aug. 15, 64.58; Oct. 24, 64.70.

Jackson County

5-15-22db. Fred Bergman Estate. Drilled domestic water-table well in glacial sand and gravel, diameter 12 inches, depth 32 feet, tile casing. Highest water level 12.83 below lsd, Sept. 27, 1951; lowest 21.36 below lsd, Feb. 9, 1949. Records available: 1948-52. No measurement made in 1955.

7-15-3ca. Fred Shafer. Drilled unused water-table well in alluvium, diameter 6 inches, depth 17 feet. Highest water level 5.85 below lsd, July 3, 1948; lowest 7.22 below lsd, Oct. 14, 1948. Records available: 1948-52. No measurement made in 1955.

9-15-23dcb. B. F. Albright. Dug unused water-table well in glacial sand and gravel, diameter 20 inches, depth 16 feet, cribbed with brick. Highest water level 2.84 below lsd, Sept. 27, 1951; lowest 8.31 below lsd, Oct. 14, 1948. Records available: 1948-52. No measurement made in 1955.

Jefferson County

11-19-27bcc. Buck Creek School. Dug public-supply water-table well in terrace deposits, diameter 24 inches, depth 33 feet, cribbed with rock. Highest water level 19.77 below lsd, Aug. 1, 1951; lowest 27.56 below lsd, Jan. 17, 1950. Records available: 1948-52. No measurement made in 1955.

11-19-29bc. Bill Green. Dug unused water-table well in alluvium, diameter 36 inches, depth 30 feet, cribbed with rock. Highest water level 6.72 below lsd, Aug. 1, 1951; lowest 24.87 below lsd, Nov. 27, 1948. Records available: 1948-52. No measurement made in 1955.

Jewell County

6. H. C. Doud. SE¼SW¼ sec. 5, T. 3 S., R. 9 W. Drilled unused water-table well in Niobrara formation, diameter 8 inches, depth 51 feet, tile casing. Highest water level 32.09 below lsd, July 24, 1951; lowest 46.76 below lsd, Oct. 13, 1937. Records available: 1934-44, 1946-53. Measurement discontinued.

12. M. W. Howe. Lot. 4, sec. 30, T. 3 S., R. 9 W. Dug unused water-table well in Niobrara formation, diameter 36 inches, depth 88 feet, cribbed with brick. Highest water level 39.14 below lsd, July 24, 1951; lowest 77.79 below lsd, June 8, 1938. Records available: 1934-55. Apr. 5, 64.09.

22. Meyer Miles. NW¼NE¼ sec. 10, T. 5 S., R. 9 W. Drilled unused water-table well in alluvium, diameter 20 inches, depth 48 feet, tile casing. Highest water level 7.79 below lsd, July 24, 1951; lowest 25.68 below lsd, Aug. 10, 1934. Records available: 1934-54. No measurement made in 1955.

34. Glen Kindler. SE¼SE¼ sec. 18, T. 3 S., R. 10 W. Dug unused water-table well in alluvium and colluvium, diameter 4 feet, depth 36 feet, cribbed with rock. Highest water level 5.14 below lsd, July 24, 1951; lowest 33.92 below lsd, Aug. 19, 1940. Records available: 1939-44, 1946-54. No measurement made in 1955.

41. Walter Dietz. Lot 16, sec. 6, T. 5 S., R. 9 W. Drilled water-table well in alluvium and colluvium, diameter 8 inches, depth 31 feet, tile casing. Highest water level 8.40 below lsd, July 23, 1951; lowest 27.38 below lsd, May 23, 1941. Records available: 1934-44, 1946-54. No measurement made in 1955.

44. Cleo Gimple. SE¼SW¼ sec. 13, T. 4 S., R. 9 W. Drilled stock water-table well in alluvium, diameter 6 inches, depth 37 feet, tile casing. Highest water level 5.00 below lsd, Aug. 2, 1944; lowest 24.03 below lsd, May 9, 1935. Records available: 1934-44, 1946-54. No measurement made in 1955.

45. Victor Yapp. NE¼SW¼ sec. 24, T. 4 S., R. 10 W. Drilled unused water-table well in alluvium and colluvium, diameter 12 inches, depth 38 feet. Highest water level 14.31 below lsd, July 23, 1951; lowest 34.39 below lsd, Dec. 21, 1940. Records available: 1934-55. Apr. 5, 21.04.

47. Meyer Miles. SE¼SW¼ sec. 3, T. 5 S., R. 9 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 7 inches, depth 17 feet. Highest water level 0.67 below lsd, July 24, 1951; lowest 13.84 below lsd, May 9, 1935. Records available: 1934-44, 1946-54. No measurement made in 1955.

64. Warren Morgan Co. SE¼SW¼ sec. 6, T. 3 S., R. 8 W. Drilled domestic stock water-table well in Niobrara formation, diameter 6 inches, depth 84 feet. Highest water level 51.37 below lsd, Aug. 28, 1951; lowest 65.90 below lsd, Jan. 19, 1938. Records available: 1935-44, 1946-54. No measurement made in 1955.

65. Mrs. B. M. Parkhurst. SE¼SE¼ sec. 23, T. 3 S., R. 9 W. Dug domestic stock water-table well in colluvium, diameter 5 feet, depth 42 feet, cribbed with stone. Highest water level 8.42 below lsd, July 24, 1951; lowest 38.10 below lsd, Aug. 20, 1940. Records available: 1939-55. Apr. 5, 11.73.

69. Walter Dietz. NW¼ lot 2, sec. 7, T. 5 S., R. 9 W. Drilled unused water-table well in gravel, diameter 12 inches, depth 37 feet. Highest water level 5.85 below lsd, July 23, 1951; lowest 24.50 below lsd, Aug. 19, 1940. Records available: 1939-44, 1946-55. Apr. 5, 21.63.

Johnson County

12-23-29bcc. Wm. Johnson. Dug unused water-table well in Stanton limestone, diameter 36 inches, depth 15 feet, cribbed with rock. Highest water level 2.80 below lsd, June 10, 1949; lowest 8.39 below lsd, Oct. 15, 1948. Records available: 1948-52. Measurement discontinued.

14-25-8bb. Mrs. Alice Allison. Dug unused water-table well in Lane shale, diameter 36 inches, depth 28 feet, cribbed with rock. Highest water level 2.37 below lsd, Mar. 1, 1949; lowest 10.48 below lsd, Nov. 26, 1948. Records available: 1948-52. Measurement discontinued.

Kearny County

13a. Kearny County. SW¼SW¼ sec. 15, T. 25 S., R. 37 W. Driven and drilled observation well, depth 14 feet. Highest water level 7.39 below lsd, May 28, 1954; lowest 9.00 below lsd, Mar. 25, 1955. Records available: 1953-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	8.66	Mar. 25	9.00	June 24	8.55	Oct. 27	8.30
Feb. 7	8.65	Apr. 22	8.61	Aug. 26	8.48	Nov. 25	8.19
22	8.59	May 13	8.73	Sept. 23	8.18	Dec. 22	8.07

16. C. B. Campbell. SE¼SE¼SE¼ sec. 15, T. 23 S., R. 35 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 60 feet. Highest water level 23.69 below lsd, May 31, 1951; lowest 49.24 below lsd, Aug. 31, 1955. Records available: 1939-55. Feb. 7, 43.87; May 16, 46.08; Aug. 31, 49.24; Nov. 14, 47.65.

23. James Coghill. SW¼NW¼NW¼ sec. 18, T. 26 S., R. 37 W. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 205 feet. Highest water level 171.60 below lsd, Feb. 20, 1948; lowest 184.33 below lsd, Feb. 21, 1947. Records available: 1939-44, 1946-54. Measurement discontinued.

28. Harry Tate. NW¼NW¼ sec. 26, T. 22 S., R. 37 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 133 feet. Highest water level 113.60 below lsd, May 21, 1953; lowest dry, Nov. 14, 1955. Records available: 1939-55. Feb. 7, 123.92; May 16, 126.57; Nov. 14, dry.

Kingman County

4. N. Lawson. NW¼NW¼ sec. 9, T. 27 S., R. 9 W. Drilled observation water-table well in Meade formation, diameter 2 inches, depth 76 feet. Highest water level 55.58 below lsd, Sept. 1, 1953; lowest 65.13 below lsd, Feb. 6, 1947. Records available: 1945-55. Mar. 17, 56.75; June 14, 56.88; Sept. 21, 57.20; Dec. 8, 57.26.

Kiowa County

4. H. E. Davis. SE¼NE¼ sec. 4, T. 28 S., R. 16 W. Drilled domestic irrigation water-table well in Meade formation, diameter 6 inches, depth 109 feet. Highest water level 63.87 below lsd, Sept. 4, 1952; lowest 76.07 below lsd, Aug. 20, 1943. Records available: 1940-55. Mar. 17, 65.63; June 14, 65.69; Dec. 8, 66.16.

8. E. E. Miller. SW¼SE¼ sec. 18, T. 27 S., R. 18 W. Dug and drilled unused water-table well in Meade formation, diameter 16 inches, depth 75 feet. Highest water level 12.39 below lsd, Sept. 20, 1951; lowest 26.52 below lsd, Apr. 28, 1941. Records available: 1940-55. Mar. 17, 16.92; Apr. 14, 16.85; Sept. 21, 16.08; Dec. 8, 17.37.

19. C. Williamson. SE¼NW¼ sec. 21, T. 27 S., R. 17 W. Drilled irrigation water-table well in Meade formation, diameter 18 inches, depth 90 feet. Highest water level 25.00 below lsd, Dec. 20, 1951; lowest 37.30 below lsd, June 19, 1944. Records available: 1941, 1944-55. Mar. 17, 30.25; Sept. 21, 30.76; Dec. 8, 30.87.

Labette County

1. J. Ballah. NW¼NE¼ sec. 33, T. 31 S., R. 21 E. Driven stock water-table well in alluvium, diameter 1¼ inches, depth 20 feet. Highest water level 1.20 below lsd, Oct. 1, 1945; lowest dry, Jan. 1, 1954. Records available: 1942-52, 1954. No measurement made in 1955.

2. C. Givens. NW¼NW¼ sec. 27, T. 31 S., R. 21 E. Driven unused water-table well in valley alluvium, diameter 1¼ inches, depth 18 feet. Highest water level 0.28 above lsd, Aug. 1, 1948; lowest 13.77 below lsd, Jan. 16, 1954. Records available: 1942-54. No measurement made in 1955.

Lane County

17-30-13cbb. F. L. Burmeister. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 94 feet. Highest water level 83.83 below lsd, Feb. 1, 1950; lowest 86.36 below lsd, Feb. 23, 1950. Records available: 1950-55. Feb. 17, 84.36; Apr. 12, 84.37; June 15, 84.39; Aug. 10, 84.38; Oct. 19, 84.49; Dec. 29, 84.40.

18-27-13ccc. C. H. Merriweather. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 95 feet. Highest water level 86.10 below lsd, Oct. 19, 1955; lowest 88.50 below lsd, June 18, 1951. Records available: 1950-55. Apr. 17, 86.39; June 15, 86.59; Aug. 10, 86.63; Oct. 19, 86.10; Dec. 29, 86.90.

18-28-15ccc. C. S. and F. E. Boone. Drilled observation water-table well in Ogallala formation, diameter 6 inches, depth 61 feet. Highest water level 54.23 below lsd, Aug. 25, 1952; lowest 56.28 below lsd, June 26, 1950. Records available: 1950-55. Feb. 17, 55.04; Apr. 12, 55.10; June 15, 55.21; Aug. 10, 55.37; Oct. 19, 55.43.

19-30-3daa. John Kees. Dug unused water-table well in Ogallala formation, diameter 4 feet, depth 73 feet. Highest water level 66.07 below lsd, June 15, Aug. 10, Dec. 29, 1955; lowest 69.52 below lsd, June 26, 1950. Records available: 1950-55. Feb. 17, 66.13; Apr. 12, 66.10; June 15, 66.07; Aug. 10, 66.07; Oct. 19, 66.04; Dec. 29, 66.07.

Leavenworth County

8-22-7c. Mrs. Joe Kennedy. Dug unused water-table well in glacial deposits, diameter 5 feet, depth 15 feet, cribbed with rock. Highest water level 1.40 below lsd, Aug. 1, 1951; lowest 9.53 below lsd, Nov. 27, 1948. Records available: 1948-52. No measurement made in 1955.

10-22-34ad. A. K. Mussett. Dug unused water-table well in glacial deposits, diameter 6 feet, depth 35 feet, cribbed with brick. Highest water level 0.45 below lsd, Nov. 27, 1951; lowest 4.01 below lsd, Dec. 27, 1950. Records available: 1948-52. No measurement made in 1955.

Lincoln County

12-7-18aa. Reverend Hendrickson. Drilled observation water-table well in alluvium, diameter 6 inches, depth 50 feet. Highest water level 2.47 below lsd, July 25, 1951; lowest 23.90 below lsd, Oct. 30, 1955. Records available: 1947-55. Apr. 6, 23.10; Oct. 30, 23.90.

12-7-19dd. H. R. Behern. Dug stock observation water-table well in alluvium, diameter 36 inches, depth 16 feet, cribbed with rock. Highest water level 7.29 below lsd, June 3, 1952; lowest 14.27 below lsd, Oct. 30, 1955. Records available: 1947-55. Apr. 6, 13.11; Oct. 30, 14.27.

12-7-23aa. R. E. Ancell. Dug observation water-table well in terrace gravel, diameter 36 inches, depth 18 feet, cribbed with rock. Highest water level 1.60 below lsd, July 25, 1951; lowest dry, Apr. 6, 1955. Records available: 1947-55. Apr. 6, dry.

12-7-34ad. A. Rittman. Dug observation water-table well in Dakota sandstone, diameter 4 feet, depth 56 feet, cribbed with rock. Highest water level 47.29 below lsd, June 3, 1952; lowest 51.40 below lsd, Feb. 25, 1952. Records available: 1947-55. Apr. 6, 49.58.

12-8-6aa. Darrell Dean. Drilled domestic observation water-table well in alluvium, diameter 6 inches, depth 19 feet. Highest water level 5.09 below lsd, May 11, 1951; lowest 10.53 below lsd, Sept. 8, 1947. Records available: 1947-55. Apr. 6, 9.00.

12-8-8cd. S. C. Meredith. Dug observation water-table well in Dakota sandstone, diameter 4 feet, depth 35 feet, cribbed with rock. Highest water level 2.29 below lsd, July 25, 1951; lowest 15.12 below lsd, Apr. 16, 1954. Records available: 1947-55. Apr. 6, 12.40; Oct. 30, 9.55.

12-8-11cb. Jim and Ed Herby. Dug domestic stock water-table well in alluvium, diameter 4 feet, depth 32 feet, cribbed with rock. Highest water level 4.76 below lsd, July 25, 1951; lowest 20.51 below lsd, Oct. 30, 1955. Records available: 1947-55. Apr. 6, 19.98; Oct. 30, 20.51.

12-10-8bb. G. Meitler. Drilled stock water-table well in alluvium, diameter 6 inches, depth 30 feet. Highest water level 9.58 below lsd, Oct. 22, 1951; lowest 16.58 below lsd, Jan. 12, 1948. Records available: 1947-55. Apr. 6, 15.20; Oct. 30, 15.23.

12-10-13aa. Soenger Estate. Drilled stock water-table well in alluvium, diameter 6 inches, depth 30 feet. Highest water level 8.62 below lsd, July 25, 1951; lowest 26.80 below lsd, Oct. 30, 1955. Records available: 1947-55. Apr. 6, 24.32; Oct. 30, 26.80.

12-10-21dd. F. D. Meyer. Dug domestic stock water-table well in alluvium, diameter 4 feet, depth 32 feet, cribbed with rock. Highest water level 19.58 below lsd, Oct. 22, 1951; lowest 27.85 below lsd, Apr. 26, 1949. Records available: 1947-55. Apr. 6, 26.72; Oct. 30, 27.43.

Linn County

19-24-36aa. Mr. Newby. Dug unused water-table well in Swope limestone of Dunbar and Condra (1932), diameter 6 feet, depth 21 feet. Highest water level 6.56 below lsd, Nov. 30, 1951; lowest 14.13 below lsd, Dec. 29, 1950. Records available: 1948-52. No measurement made in 1955.

22-25-6cb. E. C. Smith. Dug unused water-table well in Nowata shale and Altamont limestone, diameter 5 feet, depth 16 feet, cribbed with rock. Highest water level 1.99 below lsd, Feb. 21, 1952; lowest 14.62 below lsd, Dec. 29, 1950. Records available: 1948-52. No measurement made in 1955.

23-25-7daa. O. M. Grigsby. Dug unused water-table well in Bandera shale, diameter 36 inches, depth 19 feet, cribbed with rock. Highest water level 1.64 below lsd, Mar. 1, 1949; lowest 17.21 below lsd, May 5, 1948. Records available: 1948-52. No measurement made in 1955.

Logan County

1. Octon Estate. SW¼SW¼ sec. 2, T. 11 S., R. 32 W. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 107 feet. Highest water level 96.25 below lsd, Apr. 21, 1953; lowest 99.29 below lsd, Jan. 6, 1947. Records available: 1942-55. Jan. 24, 96.65; Apr. 13, 96.66; Sept. 23, 97.38; Oct. 11, 96.86.

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11-34-16cc. A. T. and Helen Peterson. SW¼SW¼ sec. 16, T. 11 S., R. 34 W. Drilled unused observation well in Ogallala formation, diameter 5 inches, depth 14 feet. Highest water level 126.08 below lsd, Aug. 30, 1955; lowest 126.63 below lsd, Jan. 6, 1953. Records available 1952-55. Feb. 22, 126.19; May 4, 126.21; Aug. 30, 126.08; Sept. 23, 126.18; Nov. 17, 126.20.

12-37-27aa. J. E. Bertrand. Drilled unused observation well in colluvium, diameter 5 inches, depth 53 feet. Highest water level 43.53 below lsd, Jan. 6, 1953; lowest 44.60 below lsd, Aug. 10, 1954. Records available: 1952-55. Feb. 22, 44.00; May 4, 43.94; Aug. 30, 43.77; Sept. 27, 43.73; Nov. 17, 43.68.

McPherson County

17-3-17dd. U. S. Geol. Survey. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 39 feet. Highest water level 16.75 below lsd, July 24, 1951; lowest 27.97 below lsd, Aug. 19, 1955. Records available: 1946-55. Apr. 7, 27.73; Aug. 19, 27.97.

17-3-18dd. U. S. Geol. Survey. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 53 feet. Highest water 17.25 below lsd, Oct. 1, 1951; lowest 28.60 below lsd, Apr. 7, 1955. Records available: 1946-55. Apr. 7, 28.60; Aug. 19, 28.18.

17-3-30dd. U. S. Geol. Survey. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 57 feet. Highest water level 19.09 below lsd, July 24, 1951; lowest 31.73 below lsd, Apr. 7, 1955. Records available: 1946-55. Apr. 7, 31.73; Aug. 19, 31.28.

17-4-25dd. U. S. Geol. Survey. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 50 feet. Highest water level 15.11 below lsd, July 24, 1951; lowest 26.70 below lsd, Aug. 19, 1955. Records available: 1946-55. Apr. 7, 26.55; Aug. 19, 26.70.

Meade County

41. D. L. Shranner. NW¼NW¼ sec. 20, T. 30 S., R. 30 W. Drilled observation water-table well, diameter 6 inches, depth 180 feet. Highest water level 155.75 below lsd, Dec. 13, 1954; lowest 158.30 below lsd, Nov. 9, 1939. Records available: 1939-42, 1954-55. Mar. 15, 155.76; June 28, 155.79; Sept. 13, 155.94; Dec. 28, 156.08.

45. Joseph Rocke. SE¼NE¼ sec. 31, T. 30 S., R. 27 W. Drilled unused water-table well in Meade and Ogallala formations, diameter 3 inches, depth 200 feet. Highest water level 0.42 below lsd, Dec. 20, 1949; lowest 22.56 below lsd, Sept. 13, 1955. Records available: 1939-55. Mar. 15, 20.54; June 28, 18.58; Sept. 13, 22.56; Dec. 28, 20.22.

61. John Meyer. NW¼NW¼ sec. 26, T. 31 S., R. 27 W. Drilled unused water-table well in Meade and Ogallala formations, diameter 6 inches, depth 87 feet. Highest water level 56.34 below lsd, Dec. 28, 1955; lowest 60.77 below lsd, May 17, 1940. Records available: 1939-55. Mar. 15, 56.39; Sept. 13, 56.38; Dec. 28, 56.34.

77. J. W. Wood. SE¼NE¼ sec. 4, T. 32 S., R. 28 W. Drilled unused water-table well in Meade and Ogallala formations, diameter 3 inches, depth 126 feet. Highest water level 60.18 below lsd, Mar. 19, 1952; lowest 67.12 below lsd, Sept. 9, 1943. Records available: 1939-55. Mar. 15, 62.65; June 28, 62.68; Sept. 13, 63.49; Dec. 28, 62.59.

161. C. R. Cheney. SW¼SW¼ sec. 14, T. 31 S., R. 27 W. Drilled stock water-table well in alluvium and Kingsdown silt, diameter 6 inches, depth 18 feet. Highest water level 6.23 below lsd, Sept. 9, 1953; lowest 12.30 below lsd, Sept. 20, 1939. Records available: 1939, 1952-55. Mar. 15, 10.93; Sept. 13, 7.03; Dec. 28, 7.52.

234. Chris Sobba. NW¼NE¼ sec. 23, T. 30 S., R. 27 W. Drilled unused water-table well in Ogallala formation, diameter 16 inches, depth 210 feet. Highest water level 11.47 below lsd, July 8, 11, 1951; lowest 47.11 below lsd, Aug. 5, 1955. Records available: 1939-55. Nearby irrigation well affects this well.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	15.20	15.12	20.86	.....	17.03	14.95	.....	.....	19.62	16.40	16.78
2	.....	15.21	15.14	.....	.....	16.90	14.41	.....	31.63	19.36	16.27	16.50
3	.....	15.19	15.20	.....	.....	16.70	14.35	.....	.....	18.92	16.29	16.43
4	.....	15.12	15.22	.....	.....	16.58	14.36	.....	.....	18.64	16.29	16.35
5	.....	15.08	15.29	.....	.....	16.42	14.37	47.11	.....	18.42	17.96	16.92
6	.....	15.03	15.29	.....	34.35	16.28	14.48	.....	.....	18.22	17.14	.....
7	.....	15.03	15.26	.....	.....	16.20	14.59	.....	.....	17.99	17.30	.....
8	.....	15.01	15.26	22.31	.....	16.08	14.76	.....	.....	17.80	17.62	.....
9	.....	14.92	16.08	.....	.....	16.00	.....	.....	46.51	17.53	17.68	19.56
10	.....	.....	17.18	.....	.....	15.88	.....	.....	.....	17.40	17.80	19.56

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Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	14.80	18.08	.....	.....	15.88	.....	.....	.....	17.25	18.46	19.86
12	.....	14.80	18.60	.....	.....	15.80	.....	26.63	.....	17.19	18.40	18.16
13	.....	14.73	20.92	.....	27.41	15.71	.....	.....	.....	17.10	17.80	19.12
14	14.85	14.73	.....	.....	.....	15.65	.....	.....	.....	16.98	17.24	19.44
15	14.89	14.70	.....	22.85	.....	15.58	18.16	.....	.....	16.92	18.98	18.92
16	18.85	14.69	.....	.....	.....	15.54	.....	.....	43.39	16.88	18.80	17.98
17	18.88	14.69	.....	.....	.....	15.52	.....	.....	.....	16.84	17.54	17.34
18	14.91	14.81	23.44	.....	.....	.....	.....	.....	.....	16.86	16.96	16.98
19	14.91	14.84	.....	.....	.....	15.19	.....	30.24	.....	17.00	.....	16.77
20	14.86	14.86	.....	.....	22.56	15.16	.....	.....	.....	17.00	.....	16.56
21	14.88	14.86	.....	.....	21.72	15.12	.....	.....	.....	16.98	.....	16.36
22	14.88	14.86	.....	29.46	20.76	15.05	20.49	.....	.....	.....	.....	18.08
23	14.88	14.88	.....	.....	20.00	15.46	.....	.....	.....	16.94	.....	18.98
24	14.88	14.88	.....	.....	20.38	15.28	.....	.....	.....	16.80	.....	19.76
25	14.88	14.83	18.99	.....	18.90	15.24	.....	.....	22.96	16.82	23.11	19.90
26	14.92	14.80	.....	.....	18.31	15.19	.....	32.65	21.33	16.54	.....	18.70
27	15.05	14.84	.....	.....	17.98	15.14	.....	.....	21.58	16.44	.....	17.90
28	15.17	14.86	.....	.....	18.15	15.00	.....	.....	20.97	16.46	.....	18.15
29	15.26		.....	32.71	17.86	15.04	.....	.....	20.42	.....	18.48	19.21
30	15.28		.....	.....	17.54	14.98	33.45	.....	20.00	.....	17.68	19.21
31	15.26		.....		17.24		.....	.....		16.42		18.20

30-27-22cd. D. Zortman. Drilled unused water-table well in sand, diameter 8 inches, depth 21 feet. Highest water level 11.73 below lsd, Apr. 22-23, 1954; lowest 14.13 below lsd, Sept. 22, 1955. Records available: 1954-55.

Daily midnight water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.46	12.31	12.32	12.63	12.94	12.79	12.61	.....	13.91	13.96	13.66	.....
2	12.45	12.31	12.32	12.63	12.95	12.78	12.68	.....	13.92	13.93	13.62	.....
3	12.45	12.31	12.32	12.66	12.96	12.78	12.71	.....	13.93	13.91	13.59	.....
4	12.43	12.31	12.33	12.69	12.96	12.78	12.76	.....	13.95	13.89	13.54	.....
5	12.45	12.30	12.35	12.71	12.96	12.78	12.79	.....	13.97	13.88	13.50	.....
6	12.45	12.30	12.35	12.72	12.96	12.78	12.84	.....	13.99	13.86	13.47	.....
7	12.43	12.30	12.35	12.72	13.00	12.77	12.88	.....	14.00	13.85	13.46	.....
8	12.43	12.30	12.35	12.74	13.01	12.77	12.93	.....	14.02	13.85	13.46	.....
9	12.43	12.33	12.35	12.75	13.02	12.77	13.00	.....	14.03	13.84	13.44	.....
10	12.43	12.33	12.36	12.77	13.03	12.76	13.05	.....	14.03	13.84	13.43	.....
11	12.42	12.32	12.39	12.78	13.04	12.76	13.10	13.63	14.03	13.84	13.42	.....
12	12.43	12.30	12.39	12.79	13.05	12.76	13.14	13.64	14.02	13.83	13.41	.....
13	12.41	12.30	12.40	12.82	13.06	12.75	13.17	13.65	14.04	13.83	13.40	.....
14	12.41	12.29	12.43	12.83	13.07	12.75	13.20	13.66	14.05	13.82	13.39	.....
15	12.40	12.29	12.45	12.84	13.08	12.74	13.21	13.67	14.07	13.82	13.39	.....
16	12.39	12.29	12.45	12.85	13.09	12.73	13.23	13.69	14.08	13.81	13.39	.....
17	12.39	12.28	12.47	12.86	13.09	12.70	13.26	13.71	14.09	13.81	13.42	.....
18	12.39	12.28	12.48	12.86	13.08	12.68	13.29	13.72	14.10	13.81	13.45	.....
19	12.39	12.29	12.50	12.87	13.05	12.66	13.31	13.73	14.11	13.81	13.46	.....
20	12.37	12.29	12.52	12.88	13.00	12.65	13.34	13.74	14.11	13.81	13.47	.....
21	12.35	.....	12.54	12.89	13.00	12.65	13.36	13.74	14.12	13.80	13.47	.....
22	12.33	12.30	12.54	12.90	13.00	12.65	13.28	13.75	14.13	13.80	13.49	.....
23	12.33	12.30	12.54	12.90	13.00	12.64	.....	13.75	.....	13.80	13.50	.....
24	12.33	12.30	12.55	12.90	12.99	12.62	13.20	13.76	.....	13.79	13.51	.....
25	12.33	12.30	12.55	12.90	12.98	12.62	13.21	13.76	.....	13.79	13.51	.....
26	12.33	12.30	12.57	12.90	12.95	12.62	13.22	13.82	.....	13.87	13.51	.....
27	12.33	12.31	12.57	12.91	12.91	12.60	13.23	13.83	14.08	13.85	.....	.....
28	12.33	12.31	12.58	12.91	12.88	12.59	13.23	13.85	14.05	13.83	13.40	.....
29	12.32		12.58	12.92	12.85	12.58	.....	13.87	14.00	13.80	13.40	.....
30	12.32		12.60	12.92	12.82	12.59	.....	13.88	13.98	13.76	13.40	.....
31	12.32		12.62		12.80		.....	13.90		13.72		.....

30-27-26bc. H. O. Zortman. Drilled unused water-table well in sand, diameter 8 inches, depth 30 feet. Highest water level 18.40 below lsd, Apr. 22-26, 1955; lowest 20.59 below lsd, Oct. 20, 1955. Records available: 1954-55.

30-27-26bc--Continued.

Daily midnight water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.17	18.90	18.74	18.70	18.48	.....	18.70	19.38	20.17	20.46	20.34	.....
2	19.15	18.89	18.74	18.69	18.52	.....	18.75	19.41	20.19	20.44	20.31	.....
3	19.14	18.89	18.73	18.69	18.56	.....	18.80	19.44	20.21	20.41	20.28	.....
4	19.12	18.88	18.73	18.69	18.62	.....	18.84	19.48	20.23	20.35	20.27	.....
5	19.13	18.87	18.72	18.69	18.64	.....	18.90	19.49	20.25	20.36	20.24	.....
6	19.13	18.87	18.72	18.68	18.69	.....	18.93	19.49	20.26	20.38	20.23	.....
7	19.11	18.86	18.72	18.68	18.74	.....	18.97	19.50	20.29	20.40	20.23	.....
8	19.10	18.86	18.71	18.67	18.75	.....	19.03	19.51	20.31	20.42	20.22	.....
9	19.10	18.85	18.71	18.66	18.80	.....	19.05	19.51	20.34	20.46	20.22	.....
10	19.09	18.84	18.71	18.63	18.83	.....	19.10	19.52	20.36	20.49	.....	.....
11	19.08	18.83	18.70	18.59	18.87	.....	19.12	19.52	20.37	20.53	.....	.....
12	19.08	18.82	18.70	18.56	18.89	.....	19.13	19.53	20.37	20.54	.....	.....
13	19.05	18.82	18.70	18.55	18.92	.....	19.13	19.54	20.39	20.54	.....	.....
14	19.05	18.81	18.70	18.53	18.94	.....	19.13	19.56	20.41	20.53	.....	.....
15	19.05	18.81	18.69	18.52	18.95	.....	19.14	19.59	20.44	20.55	.....	.....
16	19.03	18.80	18.69	18.49	18.97	.....	19.14	19.61	20.46	20.57	.....	.....
17	19.02	18.80	18.69	18.47	18.99	.....	19.15	19.64	20.48	20.55	.....	.....
18	19.02	18.79	18.68	18.45	19.01	.....	19.18	19.68	20.48	20.54	.....	.....
19	19.02	18.79	18.68	18.42	.....	.....	19.18	19.71	20.50	20.56	.....	.....
20	19.00	18.79	18.68	18.42	18.97	.....	19.17	19.74	20.50	20.59	.....	.....
21	18.99	18.78	18.68	18.41	18.96	18.69	19.17	19.79	20.51	20.56	.....	.....
22	18.99	18.78	18.68	18.40	18.96	18.69	19.18	19.82	20.51	20.54	.....	.....
23	18.98	18.77	18.67	18.40	18.97	18.69	19.20	19.85	20.51	20.54	.....	.....
24	18.97	18.77	18.68	18.40	.....	18.69	19.20	19.92	20.53	20.48	.....	.....
25	18.96	18.76	18.69	18.40	.....	18.70	19.21	19.95	20.54	20.45	.....	.....
26	18.95	18.76	18.71	18.40	.....	18.70	19.23	20.00	20.55	20.46	.....	.....
27	18.94	18.75	18.71	18.41	.....	18.67	19.25	20.03	20.50	20.45	.....	.....
28	18.93	18.75	18.70	18.41	.....	18.65	19.28	20.05	20.47	20.45	.....	.....
29	18.92		18.70	18.42	.....	18.64	19.31	20.09	20.46	20.43	.....	.....
30	18.92		18.70	18.43	.....	18.65	19.34	20.12	20.47	20.40	.....	.....
31	18.91		18.69		.....		19.36	20.13		20.36		.....

30-27-32ddd. Meade County. Driven and drilled observation water-table well in clay, diameter 2 inches, depth 20 feet. Highest water level 8.93 below lsd, July 7, 1953; lowest 14.88 below lsd, Dec. 28, 1955. Records available: 1953-55. Mar. 15, 13.40; June 28, 13.30; Sept. 13, 14.60; Dec. 28, 14.88.

33-28-29bc. Fred Bouhers. Drilled irrigation water-table well in sand of Meade and Ogallala formations, diameter 16 inches, depth 160 feet. Highest water level 14.23 below lsd, Mar. 16, 1954; lowest 18.15 below lsd, July 18, 1939. Records available: 1939, 1953-55. June 28, 14.47; Sept. 13, 17.31; Dec. 28, 15.36.

Mitchell County

6-8-34ccc. R. L. Metcalf. Dug domestic stock water-table well, diameter 36 inches, depth 24 feet, cribbed with stone. Highest water level 16.00 below lsd, July 25, 1951; lowest 18.59 below lsd, Feb. 7, 1950. Records available: 1946-55. Apr. 4, 17.29; July 10, 17.70; July 22, 17.72; Oct. 22, 17.72.

6-9-27ab. L. Lowdermilk. Dug unused water-table well, diameter 4 feet, depth 37 feet, cribbed with rock. Highest water level 11.90 below lsd, July 25, 1951; lowest 31.10 below lsd, May 11, 1935. Records available: 1935-55. Apr. 4, 25.04; July 10, 24.55; July 22, 24.98; Oct. 22, 26.58.

6-9-30da. M. D. Vint. Drilled domestic stock well in alluvium, diameter 6 inches, depth 37 feet. Highest water level 17.90 below lsd, July 25, 1951; lowest 30.94 below lsd, Apr. 4, 1955. Records available: 1946-55. Apr. 4, 30.94; July 10, 30.75; July 22, 30.57; Oct. 28, 30.77.

7-6-34cba. Thelma Spicker. Drilled stock observation water-table well in alluvium, diameter 6 inches, depth 43 feet. Highest water level 15.75 below lsd, Oct. 25, 1951; lowest 32.19 below lsd, Nov. 29, 1948. Records available: 1946-55. Apr. 4, 29.06; July 10, 28.88; July 22, 29.05; Oct. 28, 29.78.

7-7-7aaa. A. McDysan. Drilled domestic stock water-table well in Greenhorn limestone, diameter 6 inches, depth 43 feet. Highest water level 16.05 below lsd, Jan. 22, 1951; lowest 30.35 below lsd, Apr. 21, 1949. Records available: 1946-55. Apr. 4, 28.37; July 10, 28.77; July 22, 29.44; Oct. 28, 29.50.

7-7-15dcc. V. R. Schmidt. Dug observation water-table well in alluvium, diameter 4 feet, depth 28 feet, cribbed with stone. Highest water level 0.55 below lsd, July 25, 1951; lowest 25.40 below lsd, July 10, 1955. Records available: 1946-55. Apr. 4, 22.14; July 10, 25.40; July 22, 23.81; Oct. 28, 24.36.

7-8-5cbb. Paul Meers. Drilled stock water-table well in alluvium, diameter 6 inches, depth 47 feet. Highest water level 17.55 below lsd, Aug. 28, 1951; lowest 30.00 below lsd, Oct. 28, 1955. Records available: 1946-55. Apr. 4, 28.78; July 10, 27.75; July 22, 28.20; Oct. 28, 30.00.

Morton County

22. E. A. Wilcox. SW¼SE¼SE¼ sec. 14, T. 31 S., R. 43 W. Drilled unused water-table well in Dakota formation, diameter 5 inches, depth 87 feet. Highest water level 69.85 below lsd, May 20, 1952; lowest 74.43 below lsd, Nov. 26, 1947. Records available: 1939-53. No measurement made in 1955.

65. John Hentschel. SE¼SE¼NE¼ sec. 8, T. 33 S., R. 42 W. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 62 feet. Highest water level 50.40 below lsd, Aug. 23, 1951; lowest 54.54 below lsd, Feb. 11, 1954. Records available: 1939-54. Measurement discontinued.

117. W. C. Washburn. SW¼SW¼ sec. 4, T. 35 S., R. 42 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 216 feet. Highest water level 155.92 below lsd, Feb. 9, 1955; lowest 166.54 below lsd, May 25, 1948. Records available: 1939-55. Feb. 9, 155.92; May 10, 156.77; Nov. 29, 156.28.

Ness County

1. J. E. Ficken. NE¼SW¼ sec. 32, T. 20 S., R. 23 W. Drilled irrigation water-table well in alluvium, diameter 19 inches, depth 70 feet. Highest water level 25.58 below lsd, Oct. 24, 1951; lowest 34.91 below lsd, Aug. 27, 1940. Records available: 1940-55. Jan. 19, 32.59; Apr. 20, 32.04; July 20, 32.24; Oct. 26, 33.46.

2. C. L. Whitley. SW¼ sec. 20, T. 20 S., R. 22 W. Dug and drilled irrigation water-table well in alluvium, diameter 20 inches, depth 58 feet. Highest water level 17.81 below lsd, July 12, 1951; lowest 28.15 below lsd, Oct. 26, 1955. Records available: 1940-55. Apr. 20, 25.78; Oct. 26, 28.15.

18-23-31aa. J. H. Lieker. Drilled domestic water-table well in Ogallala formation, diameter 5 inches, depth 54 feet. Highest water level 47.82 below lsd, Apr. 20, 1954; lowest 48.55 below lsd, Oct. 26, 1955. Records available: 1954-55. Jan. 19, 48.35; Apr. 19, 48.47; July 20, 48.20; Oct. 26, 48.55.

Norton County

1-21-35dc. H. S. Whitaker. Dug irrigation observation water-table well in alluvium, diameter 34 inches, depth 48 feet, iron casing. Highest water level 27.45 below lsd, Aug. 26, 1951; lowest 33.74 below lsd, Oct. 7, 1948. Records available: 1946-53. Measurement discontinued.

2-21-1bb. Verner Ross. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 70 feet. Highest water level 18.76 below lsd, July 23, 1951; lowest 31.35 below lsd, July 7, 1955. Records available: 1946-55. July 7, 31.35; Oct. 23, 30.25.

2-21-2bd. Vernon J. Hamilton. Drilled irrigation water-table well in alluvium, diameter 24 inches, depth 57 feet. Highest water level 17.69 below lsd, Aug. 26, 1951; lowest 26.19 below lsd, Oct. 7, 1948. Records available: 1946-55. July 7, 24.82; Oct. 23, 25.59.

2-21-11aa. W. B. Woods. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 82 feet. Highest water level 24.37 below lsd, Oct. 23, 1951; lowest 36.42 below lsd, July 7, 1955. Records available: 1945-55. July 7, 36.42; Oct. 23, 36.38.

2-21-18aa. Mr. Hrypkema. Dug unused water-table well in terrace deposits, diameter 12 feet, depth 57 feet. Highest water level 40.37 below lsd, May 24, 1952; lowest 43.48 below lsd, Feb. 9, 1950. Records available: 1947-55. July 7, 41.99; Oct. 23, 42.66.

2-21-19dd. C. C. Alexander. Drilled domestic stock water-table well in Ogallala formation, diameter 6 inches, depth 79 feet. Highest water level 59.10 below lsd, May 15, 1951; lowest 65.93 below lsd, Jan. 18, 1951. Records available: 1946-54. No measurement made in 1955.

2-22-11dc. K. Wilmot. Drilled domestic water-table well in Ogallala formation, diameter 6 inches, depth 79 feet. Highest water level 60.49 below lsd, Dec. 11, 1951; lowest 67.35 below lsd, May 7, 1947. Records available: 1946-53. Measurement discontinued.

2-22-26ac. Percy G. Whitaker. Drilled domestic water-table well in alluvium, diameter 6 inches, depth 53 feet. Highest water level 24.11 below lsd, July 24, 1951; lowest 29.80 below lsd, Apr. 26, 1949. Records available: 1946-54. No measurement made in 1955.

2-22-28aa. H. E. Fisher. Drilled observation water-table well in terrace deposits, diameter 5 inches, depth 51 feet. Highest water level 47.30 below lsd, July 31, 1947; lowest 49.70 below lsd, Sept. 2, 1949. Records available: 1947-55. July 7, 48.02; Oct. 23, 48.20.

2-23-36cd. R. L. Brooks. Drilled irrigation water-table well in alluvium, diameter 18 inches, depth 69 feet. Highest water level 25.56 below lsd, Oct. 23, 1951; lowest 31.59 below lsd, Mar. 13, 1950. Records available: 1946-55. July 6, 30.14; Oct. 23, 30.53.

2-25-36dd. L. B. McCabe. Drilled stock water-table well in Ogallala formation, diameter 6 inches, depth 56 feet. Highest water level 41.65 below lsd, Feb. 8, 1954; lowest 42.83 below lsd, May 4, 1946. Records available: 1946, 1954-55. Feb. 21, 41.87; May 3, 41.94; Aug. 15, 42.19.

3-23-8aa. Mary J. Rogers. Drilled observation water-table well in terrace deposits, diameter 6 inches, depth 59 feet. Highest water level 33.46 below lsd, July 24, 1951; lowest dry, July 6, 1955. Records available: 1947-55. July 6, dry.

4-23-14ad. W. L. Kidder. Drilled stock water-table well in Ogallala formation, diameter 6 inches, depth 91 feet. Highest water level 65.10 below lsd, May 3, 1955; lowest 66.41 below lsd, Nov. 16, 1955. Records available: 1946, 1954-55. May 3, 65.10; Aug. 15, 65.41; Nov. 16, 66.41.

Osborne County

6-11-34aa. Wm. E. Lowdon. Dug unused water-table well in terrace alluvium, diameter 28 inches, depth 41 feet, cribbed with rock. Highest water level 27.30 below lsd, Mar. 1, 1952; lowest 39.49 below lsd, Dec. 11, 1952. Records available: 1945-55. Apr. 5, 35.00; July 10, 35.16; Oct. 29, 35.22.

6-12-20bb. C. M. Storer. Drilled stock observation water-table well in terrace gravels, diameter 12 inches, depth 55 feet, tile casing. Highest water level 34.80 below lsd, July 24, 1951; lowest 43.06 below lsd, Jan. 28, 1946. Records available: 1945-53. Measurement discontinued.

6-12-23cd. C. Fink. Dug domestic water-table well in terrace gravels, diameter 36 inches, depth 32 feet, cribbed with rock. Highest water level 16.68 below lsd, July 24, 1951; lowest 27.17 below lsd, Apr. 26, 1946. Records available: 1945-55. Apr. 5, 23.35; July 10, 23.35; Oct. 29, 24.45.

6-13-12ba. F. L. Smith. Drilled domestic stock water-table well in alluvium, diameter 8 inches, depth 48 feet, wood casing. Highest water level 24.03 below lsd, Apr. 7, 1954; lowest 42.37 below lsd, Mar. 20, 1951. Records available: 1945-54. No measurement made in 1955.

7-11-26aa. W. Sharp. Drilled domestic stock water-table well in alluvium, diameter 7 inches, depth 27 feet. Highest water level 13.20 below lsd, Jan. 19, 1951; lowest 26.42 below lsd, Nov. 15, 1950. Records available: 1946-53. Measurement discontinued.

7-12-28ab. C. E. Galley. Drilled domestic stock water-table well in alluvium, diameter 12 inches, depth 47 feet, tile casing. Highest water level 26.44 below lsd, May 25, 1952; lowest 34.60 below lsd, Jan. 7, 1947. Records available: 1946-55. Apr. 4, 32.82; July 10, 33.26; Oct. 29, 33.07.

7-13-15da. J. W. Bathurst. Drilled domestic water-table well in alluvium, diameter 12 inches, depth 53 feet, tile casing. Highest water level 29.14 below lsd, July 25, 1951; lowest 39.64 below lsd, Dec. 13, 1954. Records available: 1946-55. Apr. 4, 38.65; July 10, 39.15; Oct. 29, 29.17.

7-14-6cb. J. A. Guttery. Drilled stock observation water-table well in alluvium, diameter 12 inches, depth 29 feet, tile casing. Highest water level 19.97 below lsd, Aug. 27, 1951; lowest 24.30 below lsd, Oct. 29, 1955. Records available: 1946-55. Apr. 4, 23.83; July 10, 24.02; Oct. 29, 24.30.

7-14-10dd. John Clark. Drilled domestic observation water-table well in alluvium, diameter 12 inches, depth 38 feet, tile casing. Highest water level 27.69 below lsd, May 25, 1952; lowest 33.18 below lsd, Dec. 9, 1946. Records available: 1946-55. Apr. 4, 31.06; July 10, 31.35; Oct. 29, 31.50.

7-15-8cc. F. Dibble. Dug domestic stock water-table well in alluvium, diameter 4 feet, depth 26 feet, cribbed with stone. Highest water level 14.80 below lsd, May 26, 1950; lowest 27.75 below lsd, Apr. 12, 1950. Records available: 1946-55. Apr. 4, 22.56; July 10, 22.72; Oct. 29, 22.80.

7-15-12dc. Tom Hale, Jr. Drilled domestic stock water-table well, diameter 12 inches, depth 36 feet, tile casing. Highest water level 9.36 below lsd, Oct. 29, 1955; lowest 25.00 below lsd, July 10, 1955. Records available: 1946-55. Apr. 4, 20.55; July 10, 25.00; Oct. 29, 9.36.

Pawnee County

7. Ralph Lupfer. NE¼NE¼ sec. 18, T. 22 S., R. 17 W. Drilled irrigation water-table well in alluvium, diameter 19 inches, depth 124 feet. Highest water level 18.95 below lsd, June 25, 1951; lowest 31.40 below lsd, Sept. 14, 1955. Records available: 1940-55. Jan. 17, 29.24; Feb. 15, 28.90; Aug. 15, 30.41; Sept. 14, 31.40; Oct. 20, 30.80; Nov. 27, 30.91; Dec. 20, 30.70.

8. F. B. Reed. NW¼NW¼ sec. 6, T. 22 S., R. 16 W. Drilled irrigation water-table well in alluvium, diameter 19 inches, depth 34 feet. Highest water level 7.01 below lsd, Aug. 29, 1950; lowest 18.32 below lsd, Sept. 30, 1940. Records available: 1940-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	15.60	Apr. 18	15.20	Aug. 15	15.97	Nov. 27	16.00
Feb. 15	15.40	May 11	15.30	Oct. 20	15.86	Dec. 20	15.59
Mar. 29	15.25	July 18	14.96				

21-20-29bc. Irving Brownlee. Drilled irrigation well, diameter 9 inches, depth 53 feet. Highest water level 26.30 below lsd, Feb. 12, 1953; lowest dry, July 14, Nov. 18, 1954. Records available: 1945, 1952-54. Measurement discontinued.

Phillips County

1-19-19cc. Al Skelton. Dug stock observation water-table well in Ogallala formation, diameter 10 to 8 feet, depth 33 feet. Highest water level 11.38 below lsd, Oct. 23, 1951; lowest 26.01 below lsd, Nov. 19, 1950. Records available: 1947-55. July 7, 18.19; Oct. 3, 18.90.

4-17-31bc. C. B. Brower. Drilled domestic stock water-table well in terrace gravel, diameter 8 inches, depth 61 feet, tile casing. Highest water level 47.15 below lsd, Aug. 27, 1951; lowest 52.72 below lsd, Oct. 6, 1948. Records available: 1946-53. Measurement discontinued.

4-18-30ab. Sutley Estate. Dug unused water-table well in alluvium, depth 37 feet. Highest water level 4.76 below lsd, July 25, 1951; lowest 20.29 below lsd, Sept. 25, 1946. Records available: 1945-53, 1955. Apr. 5, 17.24; July 10, 17.86; Oct. 29, 19.34.

4-19-35ab. Glenn Seeger. Drilled domestic stock water-table well in alluvium, diameter 10 inches, depth 35 feet. Highest water level 7.43 below lsd, May 24, 1952; lowest 15.78 below lsd, Jan. 19, 1951. Records available: 1946-55. Apr. 5, 12.39; July 10, 12.90; Oct. 29, 13.50.

4-20-21cc. Fred Albrecht. Drilled domestic water-table well in Sanborn formation, diameter 8 inches, depth 152 feet. Highest water level 47.60 below lsd, Sept. 11, 1952; lowest 48.92 below lsd, Feb. 6, 1946. Records available: 1946-55. Apr. 5, 48.23; July 10, 48.14; Oct. 29, 48.49.

5-17-12aa. E. R. Downing and others. Dug domestic stock water-table well in Sanborn formation, diameter 36 inches, depth 55 feet. Highest water level 46.29 below lsd, May 14, 1951; lowest 54.20 below lsd, Sept. 30, 1947. Records available: 1946-55. Apr. 5, 49.32.

Pratt County

26-11-13da. H. C. Jeffers. Drilled unused observation well in sand dune, diameter 8 inches, depth 29 feet. Highest water level 7.10 below lsd, Aug. 23, 1951; lowest 14.39 below lsd, Sept. 20, 1955. Records available: 1951-55. Mar. 17, 13.66; June 14, 14.05; Sept. 20, 14.39; Dec. 8, 14.24.

26-13-33bad. E. R. Taylor. Drilled industrial observation water-table well in dune sand of Quaternary age and Ogallala formation, diameter 8 inches, depth 74 feet. Highest water level 33.15 below lsd, Jan. 21, 1952; lowest 37.96 below lsd, Mar. 17, 1955. Records available: 1950-55. Mar. 17, 37.96.

26-14-16dd. C. H. Henderson. Drilled unused observation stock well in Meade formation, diameter 6 inches, depth 40 feet. Highest water level 7.81 below lsd, Sept. 26, 1951; lowest 16.91 below lsd, June 14, 1955. Records available: 1951-55. June 14, 16.91.

29-13-13aa. E. R. Kessler. Drilled unused observation irrigation well in Meade formation, diameter 10 inches, depth 125 feet. Highest water level 87.65 below lsd, June 29, 1953; lowest 92.25 below lsd, Dec. 15, 1954. Records available: 1951-55. Mar. 16, 89.17; June 13, 89.37; Sept. 20, 89.61; Dec. 7, 88.51.

Rawlins County

1-33-29cc. Joseph Parker. Drilled stock water-table well in Ogallala formation, diameter 5 inches, depth 125 feet. Highest water level 115.48 below lsd, Feb. 22, 1955; lowest 117.28 below lsd, Nov. 23, 1954. Records available: 1952-55. Feb. 22, 115.48; May 4, 116.04.

3-31-8ba. C. A. Falconer. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 197 feet. Highest water level 191.19 below lsd, June 12, 1952; lowest 193.73 below lsd, Nov. 16, 1955. Records available: 1952-55. May 3, 192.30; Nov. 16, 193.73.

3-36-23bb. C. Sramek. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 193 feet. Highest water level 168.75 below lsd, Aug. 4, 1952; lowest 186.19 below lsd, Nov. 23, 1954. Records available: 1952-55. Feb. 22, 184.30; May 4, 184.25; Aug. 30, 184.43; Nov. 17, 184.41.

4-33-18dd. W. B. Minney. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 103 feet. Highest water level 86.61 below lsd, Aug. 4, 1952; lowest 87.97 below lsd, May 4, 1954. Records available: 1952-54. No measurement made in 1955.

Republic County

1-5-7bb. U. S. Geol. Survey. Driven and drilled observation water-table well in fine sand, diameter $1\frac{1}{4}$ inches, depth 13 feet. Highest water level 3.20 below lsd, July 24, 1951; lowest 9.19 below lsd, Oct. 15, 1953. Records available: 1947-55. Mar. 2, 8.98; June 16, 8.65.

1-5-7cb. U. S. Geol. Survey. Drilled observation water-table well in loess and silt, diameter $1\frac{1}{4}$ inches, depth 25 feet. Highest water level 15.38 below lsd, July 24, 1951; lowest 22.69 below lsd, June 16, 1955. Records available: 1947-55. Mar. 2, 22.42; June 16, 22.69.

Rice County

18-6-13bc. F. Kasparek. Drilled unused water-table well in Kiowa shale, diameter 6 inches, depth 107 feet. Highest water level 10.17 below lsd, Oct. 23, 1951; lowest 13.14 below lsd, Jan. 6, 1948. Records available: 1946-54. No measurement made in 1955.

18-7-10ad. G. J. O'Neill. Dug unused water-table well in Dakota sandstone, diameter 4 feet, depth 47 feet, cribbed with rock. Highest water level 29.97 below lsd, July 31, 1951; lowest 44.55 below lsd, Apr. 18, 1954. Records available: 1946-54. No measurement made in 1955.

18-8-10dc. C. Dobrinski. Dug unused water-table well in terrace deposit of Quaternary age, diameter 36 inches, depth 59 feet. Highest water level 38.90 below lsd, Dec. 7, 1952; lowest 42.18 below lsd, Dec. 5, 1946. Records available: 1946-52, 1954. No measurement made in 1955.

19-6-13dd. W. M. Myers. Drilled unused water-table well in shale of Permian age, diameter 8 inches, depth 77 feet. Highest water level 31.80 below lsd, Dec. 7, 1952; lowest 41.12 below lsd, Jan. 6, 1948. Records available: 1946-54. No measurement made in 1955.

19-7-24ab. J. P. Pulliam. Dug unused water-table well in sandstone in Kiowa shale, diameter 36 inches, depth 41 feet, cribbed with brick. Highest water level 24.75 below lsd, July 31, 1951; lowest 42.81 below lsd, Feb. 27, 1952. Records available: 1946-52, 1954. No measurement made in 1955.

19-10-22bc. J. R. Bowman. Drilled unused water-table well in terrace gravel, diameter 8 inches, depth 68 feet. Highest water level 1.02 below lsd, Sept. 23, 1950; lowest 8.00 below lsd, Oct. 4, 1946. Records available: 1946-53. No measurement made in 1955.

20-6-23cd. School District. Drilled unused water-table well in Ninnescah shale, depth 75 feet. Highest water level 4.57 below lsd, Apr. 7, 1948; lowest 21.90 below lsd, Apr. 15, 1950. Records available: 1946-52, 1954. No measurement made in 1955.

20-10-28ba. H. Thompson. Drilled unused water-table well in terrace gravel, diameter 8 inches, depth 30 feet. Highest water level 8.85 below lsd, July 30, 1951; lowest 13.55 below lsd, Apr. 18, 1954. Records available: 1946-54. No measurement made in 1955.

21-8-20cc. R. J. Dill. Drilled unused water-table well in alluvium, diameter 14 inches, depth 39 feet. Highest water level 4.98 below lsd, Aug. 5, 1948; lowest 8.76 below lsd, Oct. 3, 1947. Records available: 1946-54. No measurement made in 1955.

Rush County

18-20-23cd. Formerly 18-20-23ab. Owner unknown. Observation water-table well in Niobrara formation, diameter 5 inches, depth 50 feet. Highest water level 23.78 below lsd, Feb. 4, 1954; lowest 35.10 below lsd, Oct. 25, 1955. Records available: 1954-55. Jan. 18, 34.35; Apr. 19, 34.05; Oct. 25, 35.10.

Russell County

45. Jacob Flegler. NW¼NW¼ sec. 11, T. 15 S., R. 14 W. Dug stock water-table well in alluvium, diameter 28 to 32 inches, depth 27 feet, cribbed with rock. Highest water level 18.39 below lsd, July 12, 1945; lowest 24.28 below lsd, Aug. 20, 1941. Records available: 1941-55. Jan. 18, 21.89; Apr. 19, 19.63; July 19, 19.79; Oct. 25, 20.88.

80. Joseph Furthmyer, Jr. SE¼SE¼ sec. 9, T. 14 S., R. 15 W. Dug unused water-table well in deposits of Tertiary age, diameter 5 feet, depth 15 feet, cribbed with rock. Highest water level 3.40 below lsd, Apr. 14, 1942; lowest 7.76 below lsd, June 29, 1943. Records available: 1941-55. Jan. 18, 5.82; Apr. 19, 4.63; July 19, 5.41; Oct. 25, 5.24.

81. Joseph Furthmyer, Jr. SE¼SE¼ sec. 9, T. 14 S., R. 15 W. Drilled stock water-table well in Dakota sandstone, diameter 6 inches, depth 224 feet. Highest water level 101.85 below lsd, Aug. 29, 1941; lowest 134.71 below lsd, July 10, 1947. Records available: 1941-55. Jan. 18, 122.07; Apr. 19, 119.73; July 19, 120.28; Oct. 25, 118.45.

117. Marie Dutt and others. SE¼NE¼ sec. 18, T. 13 S., R. 14 W. Dug unused water-table well in alluvium, diameter 26 to 32 inches, depth 14 feet, cribbed with rock. Highest water level 4.70 below lsd, Apr. 13, 1942; lowest 10.61 below lsd, Dec. 20, 1943. Records available: 1941-55. Apr. 19, 9.00; July 19, 10.28; Oct. 25, 9.10.

146. D. P. Steinle. NW¼NE¼ sec. 24, T. 14 S., R. 12 W. Dug unused water-table well in terrace deposits of Pleistocene age, diameter 28 inches, depth 17 feet, cribbed with rock. Highest water level 12.60 below lsd, July 29, 1952; lowest 16.20 below lsd, Sept. 1, 1942. Records available: 1941-55. Jan. 18, 13.70; Apr. 19, 13.69; July 19, 13.89; Oct. 25, 13.98.

148. John Penix. NE¼SE¼ sec. 13, T. 14 S., R. 13 W. Dug domestic stock water-table well in terrace deposits of Pleistocene age, diameter 28 to 36 inches, depth 12 feet, cribbed with rock. Highest water level 3.13 below lsd, Apr. 16, 1952; lowest 7.92 below lsd, Oct. 2, 1941. Records available: 1941-55. Apr. 19, 5.91; July 19, 7.11; Oct. 25, 6.95.

149. George Boxberger, Jr. NE¼NE¼ sec. 22, T. 14 S., R. 14 W. Dug unused water-table well in Greenhorn limestone, diameter 32 to 36 inches, depth 23 feet, cribbed with rock. Highest water level 17.24 below lsd, July 29, 1952; lowest 21.54 below lsd, June 29, 1943. Records available: 1941-55. Jan. 18, 19.79; Apr. 19, 19.82; July 19, 19.88; Oct. 25, 20.21.

Saline County

15-2-17cd. U. S. Geol. Survey. Driven and drilled observation water-table well in alluvium and terrace deposits, diameter 1¼ inches, depth 31 feet. Highest water level 9.58 below lsd, Oct. 1, 1951; lowest 26.60 below lsd, Apr. 7, 1955. Records available: 1946-55. Apr. 7, 26.60; Aug. 19, 25.67.

15-2-18cd. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 45 feet. Highest water level 11.50 below lsd, Sept. 18, 1951; lowest 26.70 below lsd, Aug. 19, 1955. Records available: 1946-55. Apr. 7, 26.26; Aug. 19, 26.70.

15-2-30dc. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 37 feet. Highest water level 6.56 below lsd, July 24, 1951; lowest 23.45 below lsd, Aug. 19, 1955. Records available: 1946-53, 1955. Apr. 7, 23.29; Aug. 19, 23.45.

15-3-24dd. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 35 feet. Highest water level 4.30 below lsd, July 24, 1951; lowest 22.59 below lsd, Aug. 19, 1955. Records available: 1946-53, 1955. Apr. 7, 22.25; Aug. 19, 22.59.

15-3-36ab. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 45 feet. Highest water level 17.57 below lsd, Nov. 7, 1951; lowest 30.35 below lsd, Aug. 19, 1955. Records available: 1946-53, 1955. Apr. 7, 29.03; Aug. 19, 30.35.

16-2-7bb. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 31 feet. Highest water level 10.29 below lsd, July 24, 1951; lowest 22.32 below lsd, Apr. 7, 1955. Records available: 1946-53, 1955. Apr. 7, 22.32; Aug. 19, 22.25.

16-2-18cc. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 36 feet. Highest water level 11.76 below lsd, Aug. 17, 1951; lowest 26.90 below lsd, Apr. 7, 1955. Records available: 1946-53, 1955. Apr. 7, 26.90; Aug. 19, 26.26.

16-2-19ab. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 36 feet. Highest water level 10.03 below lsd, Aug. 17, 1951; lowest 24.78 below lsd, Apr. 7, 1955. Records available: 1946-53, 1955. Apr. 7, 24.78; Aug. 19, 24.50.

16-3-13cd. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 48 feet. Highest water level 11.64 below lsd, Oct. 1, 1951; lowest 25.39 below lsd, Aug. 19, 1955. Records available: 1946-53, 1955. Apr. 7, 25.38; Aug. 19, 25.39.

16-3-26dc. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 26 feet. Highest water level 4.96 below lsd, July 24, 1951; lowest 22.45 below lsd, Aug. 19, 1955. Records available: 1946-55. Apr. 7, 22.22; Aug. 19, 22.45.

Scott County

1. Mrs. Rosine Smith. NW¼ sec. 9, T. 20 S., R. 33 W. Drilled observation water-table well in Ogallala formation, diameter 24 inches, depth 100 feet. Highest water level 55.89 below lsd, May 14, 16, 1934; lowest dry, Oct. 6, Dec. 12, 1955. Records available: 1931-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	69.40	Apr. 12	71.23	July 13	70.33	Oct. 6	(f)
Feb. 17	69.36	May 2	71.34	Aug. 9	77.11	Dec. 12	(f)
Mar. 24	73.33	June 9	73.63	Sept. 26	77.58		

f Dry.

1A. Division of Water Resources. NW¼SW¼ sec. 3, T. 20 S., R. 33 W. Drilled observation water-table well in Ogallala formation, diameter 7 inches, depth 69 feet. Highest water level 53.42 below lsd, Aug. 16, 18, 1940; lowest 65.31 below lsd, Dec. 12, 1955. Records available: 1940-55.

Daily mean water level from recorder graph

Jan. 1	61.68	Jan. 27	61.71	Feb. 6	61.77	Feb. 16	61.80
2	61.69	28	61.72	7	61.77	17	61.80
3	61.69	29	61.73	8	61.77	May 10	62.18
4	61.69	30	61.73	9	61.78	June 9	62.39
5	61.70	31	61.73	10	61.78	July 13	62.57
6	61.70	Feb. 1	61.74	11	61.78	Aug. 8	62.75
7	61.70	2	61.74	12	61.78	Oct. 6	63.74
24	61.70	3	61.75	13	61.78	Nov. 7	64.27
25	61.70	4	61.76	14	61.79	Dec. 12	65.31
26	61.70	5	61.76	15	61.80		

2. E. E. Coffin. NE¼SE¼ sec. 25, T. 18 S., R. 33 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 18 inches, depth 44 feet. Highest water level 20.48 below lsd, June 11, 1952; lowest 40.81 below lsd, Dec. 11, 1947. Records available: 1934-55.

Jan. 24	35.97	Apr. 12	36.38	July 13	37.30	Oct. 6	38.90
Feb. 17	36.07	May 2	36.59	Aug. 9	35.47	Dec. 12	39.78
Mar. 24	36.25	June 9	37.02				

2A. State of Kansas. SE¼ sec. 26, T. 18 S., R. 33 W. Drilled observation water-table well, diameter 8 inches, depth 60 feet. Highest water level 19.85 below lsd, May 8, 1952; lowest 38.33 below lsd, Sept. 16, 1946. Records available: 1944-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	34.51	.....	.....	34.83	35.44	35.10	.....	.....	.....	.....	.....
2	.....	34.53	.....	.....	34.83	35.45	35.18	.....	.....	.....	.....	.....
3	.....	34.53	.....	.....	34.85	35.47	35.15	.....	.....	.....	.....	.....
4	.....	34.53	.....	.....	34.87	35.48	35.13	.....	.....	.....	.....	.....
5	.....	34.53	.....	.....	34.89	35.50	35.12	.....	.....	.....	.....	.....
6	.....	34.50	.....	.....	34.92	35.51	35.10	.....	.....	39.31	.....	.....
7	.....	34.55	.....	.....	34.95	35.52	35.10	.....	.....	.....	.....	.....
8	.....	.....	.....	.....	34.99	35.54	35.11	.....	.....	.....	.....	.....
9	.....	.....	.....	.....	35.00	35.55	35.13	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	35.05	35.56	35.13	.....	.....	.....	.....	.....
11	.....	.....	.....	.....	35.10	35.56	35.17	.....	.....	.....	.....	.....
12	.....	.....	.....	34.56	35.14	35.55	35.19	.....	.....	.....	.....	.....
13	.....	.....	.....	34.54	35.18	35.55	35.23	.....	.....	.....	.....	.....
14	.....	.....	.....	34.54	35.20	35.55	35.27	.....	.....	.....	.....	38.65
15	.....	.....	.....	34.56	35.21	35.55	35.35	.....	.....	.....	.....	38.64
16	.....	.....	.....	34.55	35.22	35.54	35.45	.....	.....	.....	.....	38.59
17	.....	34.45	.....	34.59	35.24	35.54	35.60	.....	.....	.....	.....	38.57
18	.....	34.46	.....	34.61	35.25	35.54	35.66	.....	.....	.....	.....	38.61
19	.....	.....	.....	34.65	35.26	35.51	.....	.....	.....	.....	.....	38.59
20	.....	34.48	.....	34.65	35.28	35.51	.....	.....	.....	.....	.....	38.54
21	.....	.....	.....	34.67	35.29	35.49	.....	.....	.....	.....	.....	38.54
22	.....	.....	.....	34.70	35.30	35.49	.....	.....	.....	.....	.....	38.50
23	.....	.....	.....	34.75	35.32	35.48	.....	.....	.....	.....	.....	38.49
24	34.54	.....	34.65	34.73	35.33	35.42	.....	.....	.....	.....	.....	38.50
25	34.55	.....	34.57	34.77	35.34	35.39	.....	.....	.....	.....	.....	38.54
26	34.55	.....	.....	34.79	35.36	35.37	.....	.....	40.61	.....	.....	38.51
27	34.55	.....	.....	34.81	35.37	35.33	.....	.....	.....	.....	.....	38.48
28	34.55	.....	.....	34.80	35.38	35.32	.....	.....	.....	.....	.....	38.47
29	34.52		.....	34.82	35.40	35.26	.....	.....	.....	.....	.....	38.50
30	34.52		.....	34.83	35.41	35.23	.....	.....	.....	.....	.....	38.45
31	34.50		.....		35.42		.....	.....		.....		38.45

19. Mr. Fouquet. SE¼NE¼ sec. 12, T. 18 S., R. 33 W. Drilled irrigation water-table well in Ogallala formation, diameter 12 inches, depth 71 feet. Highest water level 43.38 below lsd, May 26, 1952; lowest 61.39 below lsd, Sept. 26, 1955. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	54.94	Apr. 21	52.36	July 13	54.54	Oct. 6	57.84
Feb. 17	52.57	May 2	52.42	Aug. 9	60.79	Nov. 7	56.28
Mar. 24	52.33	June 9	53.33	Sept. 26	61.39	Dec. 12	55.34

32. E. J. Roark. NW¼SE¼ sec. 25, T. 19 S., R. 33 W. Drilled observation water-table well in Ogallala formation, diameter 1¼ inches, depth 45 feet. Highest water level 31.06 below lsd, June 18, 1951; lowest dry, Sept. 23, 1954, May 2, 1955. Records available: 1939-55. May 2, dry.

50. F. M. Houstin. SW¼SE¼ sec. 28, T. 19 S., R. 32 W. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 129 feet. Highest water level 86.04 below lsd, Apr. 21, 1953; lowest 97.95 below lsd, Aug. 6, 1943. Records available: 1939-55. Jan. 24, 86.65; Apr. 12, 86.47; Aug. 9, 86.61; Oct. 6, 86.79.

Sedgwick County

12. Dr. A. D. Updegraph. NW¼SE¼ sec. 26, T. 25 S., R. 1 W. Drilled observation water-table well in gravel and alluvium, diameter 24 inches, depth 54 feet. Highest water level 10.05 below lsd, July 25, 1951; lowest 19.93 below lsd, Sept. 23, 1955. Records available: 1937-55.

Jan. 24	19.54	May 24	19.63	Aug. 1	19.70	Oct. 24	18.71
Feb. 23	19.56	31	19.54	24	19.80	31	18.73
Mar. 24	19.58	June 24	19.43	Sept. 1	19.83	Nov. 23	18.83
Apr. 22	19.58	30	19.50	23	19.93	Dec. 1	18.85
May 3	19.59	July 22	19.65	Oct. 3	19.52	23	18.99

26. Wichita Water Co. SW¼SW¼ sec. 18, T. 27 S., R. 1 E. Drilled observation water-table well in alluvium, diameter 26 inches, depth 47 feet. Highest water level 4.24 below lsd, July 1-2, 1951; lowest 28.59 below lsd, Sept. 8, 1954. Records available: 1937-55.

26--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.92	13.78	13.57	14.51	14.85	13.04	14.25	18.98	18.81	13.93	15.38	14.19
2	13.91	13.80	13.56	14.64	14.65	14.02	14.47	19.00	18.75	13.58	15.28	14.76
3	13.86	13.80	13.52	14.68	15.10	14.03	14.27	19.10	18.63	12.96	15.09	15.04
4	13.83	14.07	13.55	14.37	15.60	13.78	13.86	19.12	18.31	11.55	14.82	14.83
5	13.80	14.03	13.59	14.40	15.86	13.43	14.02	19.11	17.68	11.69	14.51	14.32
6	13.87	13.90	13.57	14.80	15.83	13.42	14.36	19.11	17.78	11.81	14.33	14.27
7	13.86	13.84	13.54	14.76	15.77	13.43	14.80	18.86	18.08	11.94	14.54	14.54
8	13.79	13.83	13.51	14.65	15.59	13.12	15.97	18.13	18.26	12.10	14.69	14.55
9	13.80	13.83	13.48	14.59	15.07	12.82	17.87	17.94	18.50	12.24	14.61	14.43
10	13.78	13.88	13.47	14.49	15.36	12.69	17.87	17.39	18.73	12.64	14.32	14.21
11	13.76	13.90	13.52	14.67	15.80	12.76	17.52	17.31	18.73	13.10	14.40	14.13
12	13.85	.....	13.60	14.67	15.77	12.76	17.74	17.71	18.06	13.50	14.10	14.43
13	14.02	.....	13.61	14.52	15.67	12.75	17.94	17.72	17.87	13.76	13.94	14.43
14	14.75	13.85	13.59	14.80	15.53	12.75	18.76	17.64	18.10	14.02	13.90	14.35
15	14.75	13.81	13.68	15.12	15.20	12.75	18.78	17.65	18.48	14.00	13.87	14.24
16	13.98	13.78	13.71	15.02	14.90	12.82	18.60	17.86	18.71	13.76	13.83	14.10
17	13.93	13.79	13.71	15.20	14.67	12.87	17.64	18.13	18.84	13.48	.....	14.02
18	13.89	13.84	14.21	14.83	14.71	12.84	17.20	18.34	18.85	13.40	13.81	14.01
19	13.88	13.86	14.66	14.66	15.08	12.76	17.17	18.52	18.44	13.40	13.83	14.55
20	13.83	13.85	14.64	14.80	15.08	12.66	17.16	18.53	18.63	13.79	13.81	14.92
21	13.83	13.85	14.36	14.83	14.75	12.90	17.37	18.43	18.83	14.39	13.77	14.74
22	13.87	13.83	14.19	14.53	14.51	13.22	17.79	18.31	18.83	14.67	13.77	.....
23	13.87	13.74	14.26	14.30	14.53	13.23	18.04	18.31	18.60	15.33	13.83	14.88
24	14.51	13.70	14.26	14.32	14.53	12.73	18.04	18.35	17.56	16.00	13.83	14.71
25	14.51	13.66	14.06	14.27	14.51	12.33	17.48	18.66	16.58	16.21	13.80	14.27
26	14.20	13.65	13.99	14.32	13.56	12.38	17.53	18.88	15.96	17.57	13.78	14.02
27	14.04	13.68	13.93	14.26	13.88	13.30	17.81	19.12	15.71	18.78	13.77	14.41
28	13.90	13.62	14.15	14.21	14.03	13.59	18.17	19.13	14.88	18.55	13.77	14.41
29	13.88		14.55	14.55	13.63	13.64	18.51	19.02	14.34	17.13	13.82	14.08
30	13.89		14.89	14.89	13.17	14.04	19.64	18.92	13.98	16.63	13.83	13.95
31	13.83		14.90		12.94		19.64	18.87		15.81		.....

114. City of Wichita. NE¼NE¼NE¼ sec. 7, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 32 feet. Highest water level 7.60 below lsd, July 27, 1954; lowest 8.90 below lsd, Sept. 1, 1955. Records available: 1954-55. This well was listed under Harvey County in the 1954 report.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	8.70	May 3	8.79	Aug. 1	8.82	Oct. 31	8.05
28	8.75	31	8.81	Sept. 1	8.90	Dec. 1	8.11
Apr. 1	8.71	June 30	8.72	Oct. 3	8.71		

115. City of Wichita. NW¼NW¼NW¼ sec. 22, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 32 feet. Highest water level 6.24 below lsd, Oct. 31, 1955; lowest 8.26 below lsd, Sept. 1, 1955. Records available: 1954-55.

Feb. 1	7.73	May 3	7.64	Aug. 1	7.75	Oct. 31	6.24
28	7.64	31	7.59	Sept. 1	8.26	Dec. 1	6.64
Apr. 1	7.58	June 30	7.00	Oct. 3	7.18		

116. City of Wichita. NW¼NW¼NW¼ sec. 17, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 30 feet. Highest water level 18.20 below lsd, June 29, 1954; lowest 20.25 below lsd, Sept. 1, 1955. Records available: 1954-55.

June 29, 1954	18.20	Dec. 30, 1954	19.15	May 3, 1955	19.74	Sept. 1, 1955	20.25
Oct. 1	18.71	Feb. 1, 1955	19.32	31	19.90	Oct. 3	20.10
Nov. 2	18.88	28	19.47	June 30	19.95	31	19.55
Dec. 1	18.82	Apr. 1	19.62	Aug. 1	20.02	Dec. 1	19.55

117. City of Wichita. SW¼SW¼SW¼ sec. 20, T. 25 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 39 feet. Highest water level 12.37 below lsd, Oct. 31, 1955; lowest 14.09 below lsd, May 31, 1955. Records available: 1954-55.

June 29, 1954	13.25	Dec. 30, 1954	13.75	May 3, 1955	14.07	Sept. 1, 1955	14.01
Oct. 1	13.45	Feb. 1, 1955	13.86	31	14.09	Oct. 3	13.53
Nov. 1	13.52	28	13.92	June 30	13.77	31	12.37
Dec. 1	13.62	Apr. 1	13.98	Aug. 1	13.84	Dec. 1	12.67

124. City of Wichita. SE¼SE¼ sec. 5, T. 25 S., R. 1 W. Drilled observation well, depth 138 feet. Highest water level 17.76 below lsd, Oct. 3, 1955; lowest 20.19 below lsd, Sept. 1, 1955. Records available: 1955. July 28, 19.95; Aug. 1, 20.01; Sept. 1, 20.19; Oct. 3, 17.76; Oct. 31, 19.24; Dec. 1, 19.31.

126. City of Wichita. NW¼NW¼ sec. 22, T. 25 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 40 feet. Highest water level 12.36 below lsd, Sept. 30, 1955; lowest 14.93 below lsd, Sept. 1, 1955. Records available: 1955. Aug. 11, 14.70; Sept. 1, 14.93; Sept. 30, 12.36; Oct. 31, 13.37; Dec. 1, 13.59.

127. City of Wichita. NE¼NE¼ sec. 27, T. 25 S., R. 1 W. Drilled observation well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 52 feet. Highest water level 10.59 below lsd, Dec. 1, 1955; lowest 14.57 below lsd, Sept. 1, 1955. Records available: 1955. Aug. 10, 14.26; Sept. 1, 14.57; Sept. 30, 12.36; Oct. 31, 12.87; Dec. 1, 10.59.

307. J. R. Clark. NW¼NW¼SW¼ sec. 1, T. 25 S., R. 2 W. Drilled observation water-table well in gravel and alluvium, diameter 6 inches, depth 92 feet. Highest water level 9.08 below lsd, May 12-13, 20, 1945; lowest 27.79 below lsd, June 14, 1954. Records available: 1937-54. No measurement made in 1955.

502. Kansas Gas & Electric Co. NW¼NW¼ sec. 29, T. 26 S., R. 1 E. Drilled industrial water-table well in sand, diameter 24 inches, depth 46 feet. Highest water level 12.49 below lsd, Mar. 20, 1944; lowest 30.20 below lsd, June 13, 1951. Records available: 1943-54. No measurement made in 1955.

804. City of Wichita. SE¼SE¼ sec. 16, T. 26 S., R. 1 W. Driven observation water-table well in coarse sand, diameter 1¼ inches, depth 26 feet. Highest water level 0.10 below lsd, Aug. 4, 1950; lowest 7.25 below lsd, Dec. 1, 1955. Records available: 1938-55. June 30, 5.28; Aug. 1, 5.62; Sept. 1, 6.04; Oct. 3, 5.70; Oct. 31, 3.83; Dec. 1, 7.25.

805. City of Wichita. NW¼NE¼ sec. 19, T. 26 S., R. 1 W. Driven observation water-table well in coarse sand, diameter 1¼ inches, depth 41 feet. Highest water level 1.57 below lsd, May 2, 1945; lowest 7.72 below lsd, Sept. 1, 1955. Records available: 1938-55. June 30, 6.72; Aug. 1, 7.32; Sept. 1, 7.72; Oct. 3, 6.01; Oct. 31, 5.56; Dec. 1, 5.68.

807. City of Wichita. NW¼NW¼ sec. 10, T. 26 S., R. 2 W. Driven observation water-table well in coarse sand, diameter 1¼ inches, depth 37 feet. Highest water level 18.09 below lsd, Oct. 3, 1951; lowest 24.85 below lsd, Sept. 1, 1955. Records available: 1938-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	24.46	May 3	24.38	Aug. 1	24.47	Oct. 31	23.98
28	24.38	31	24.53	Sept. 1	24.85	Dec. 1	23.87
Apr. 1	24.34	June 30	24.28	Oct. 3	24.80		

808. City of Wichita. SW¼NW¼ sec. 18, T. 26 S., R. 2 W. Driven observation water-table well in medium sand, diameter 1¼ inches, depth 49 feet. Highest water level 18.59 below lsd, Nov. 30, 1951; lowest dry, January-December 1955. Records available: 1938-53, 1955. January-December, dry.

809. City of Wichita. NW. cor. sec. 21, T. 26 S., R. 1 E. Driven observation water-table well in medium sand, diameter 1¼ inches, depth 32 feet. Highest water level 5.91 below lsd, July 11, 1951; lowest 17.31 below lsd, May 3, 1955. Records available: 1938-55.

Feb. 1	17.00	May 3	17.31	Aug. 1	16.78	Oct. 31	15.96
28	16.89	31	16.96	Sept. 1	17.08	Dec. 1	15.83
Apr. 1	17.02	June 30	16.55	Oct. 3	16.20		

810. City of Wichita. NE¼SE¼ sec. 35, T. 25 S., R. 1 W. Driven observation water-table well in medium sand, diameter 1¼ inches, depth 25 feet. Highest water level 1.94 below lsd, Apr. 28, 1944; lowest 14.81 below lsd, Sept. 1, 1955. Records available: 1938-55.

Feb. 1	14.48	May 3	14.56	Aug. 1	14.67	Oct. 31	13.24
28	14.43	31	14.32	Sept. 1	14.81	Dec. 1	13.60
Apr. 1	14.49	June 30	14.46	Oct. 3	12.60		

811. City of Wichita. SE¼SE¼ sec. 33, T. 25 S., R. 1 W. Driven observation water-table well in coarse sand, diameter 1¼ inches, depth 25 feet. Highest water level 3.27 below lsd, July 10, 1951; lowest 10.68 below lsd, Feb. 1, 1955. Records available: 1938-55.

Feb. 1	10.68	May 3	10.65	Aug. 1	10.22	Oct. 31	9.23
28	10.63	31	10.60	Sept. 1	10.42	Dec. 1	9.44
Apr. 1	10.62	June 30	10.20	Oct. 3	10.21		

812. City of Wichita. NW¼NW¼ sec. 27, T. 25 S., R. 1 W. Driven observation water-table well in coarse sand, diameter 1¼ inches, depth 25 feet. Highest water level 6.30 below lsd, Aug. 31, 1949; lowest 18.91 below lsd, Feb. 10, 1947. Records available: 1938-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	10.13	May 3	10.30	Aug. 1	14.80	Oct. 31	13.26
28	10.18	31	14.95	Sept. 1	14.95	Dec. 1	13.45
Apr. 1	10.22	June 30	14.59	Oct. 3	14.04		

814. City of Wichita. SE¼SE¼ sec. 14, T. 25 S., R. 1 W. Driven observation water-table well in medium sand, diameter 1¼ inches, depth 31 feet. Highest water level 6.23 below lsd, July 10, 1951; lowest 18.22 below lsd, Oct. 3, 1955. Records available: 1938-55.

Feb. 1	17.80	May 3	18.02	Aug. 1	17.97	Oct. 31	17.99
28	17.87	31	18.08	Sept. 1	18.13	Dec. 1	17.94
Apr. 1	17.92	June 30	17.98	Oct. 3	18.22		

815. City of Wichita. NE¼ sec. 17, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 31 feet. Highest water level 7.65 below lsd, May 11, 1945; lowest 18.72 below lsd, Sept. 1, 1955. Records available: 1938-55.

Feb. 1	18.08	May 3	17.52	Aug. 1	18.55	Oct. 31	17.93
28	18.23	31	18.45	Sept. 1	18.72	Dec. 1	17.88
Apr. 1	17.34	June 30	18.48	Oct. 3	18.55		

816. City of Wichita. SW¼SW¼ sec. 7, T. 25 S., R. 1 W. Driven observation water-table well in fine gravel, diameter 1¼ inches, depth 31 feet. Highest water level 5.32 below lsd, Oct. 8, 1945; lowest 23.58 below lsd, Sept. 1, 1955. Records available: 1938-55.

Feb. 1	22.42	May 3	22.98	Aug. 1	23.50	Oct. 31	23.13
28	21.67	31	23.15	Sept. 1	23.58	Dec. 1	22.97
Apr. 1	22.81	June 30	23.33	Oct. 3	23.55		

825. City of Wichita. NE¼NE¼ sec. 3, T. 25 S., R. 1 W. Driven observation water-table well in fine sand, diameter 1¼ inches, depth 25 feet. Highest water level 5.49 below lsd, May 4, 1945; lowest 15.18 below lsd, Dec. 5, 1947. Records available: 1938-55.

Feb. 1	14.02	May 3	14.12	Aug. 1	14.24	Oct. 31	13.32
28	14.06	31	14.08	Sept. 1	14.47	Dec. 1	13.35
Apr. 1	14.13	June 30	13.82	Oct. 3	14.27		

826. City of Wichita. NE. cor. sec. 5, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 18 feet. Highest water level 2.12 below lsd, May 9, 1944; lowest 15.70 below lsd, Sept. 1, 1955. Records available: 1939-49, 1955.

Feb. 28	14.89	May 31	15.02	Sept. 1	15.70	Oct. 31	14.24
Apr. 1	15.00	June 30	15.21	Oct. 3	14.19	Dec. 1	14.47
May 3	15.01	Aug. 1	15.48				

830. City of Wichita. SW¼SW¼ sec. 30, T. 25 S., R. 2 W. Driven observation water-table well in fine sand, diameter 1¼ inches, depth 57 feet. Highest water level 17.35 below lsd, Nov. 30, 1951; lowest 30.48 below lsd, Sept. 1, 1955. Records available: 1938-55.

Feb. 1	29.45	May 3	29.60	Aug. 1	30.10	Oct. 31	28.98
28	29.32	31	29.58	Sept. 1	30.48	Dec. 1	28.95
Apr. 1	29.27	June 30	29.24	Oct. 3	29.83		

834. City of Wichita. SW¼SW¼ sec. 9, T. 25 S., R. 3 W. Driven observation water-table well in fine sand, diameter 1¼ inches, depth 18 feet. Highest water level 5.35 below lsd, Sept. 8, 1951; lowest 12.51 below lsd, Sept. 1, 1955. Records available: 1938-55.

Feb. 1	11.39	May 3	11.65	Aug. 1	12.02	Oct. 31	10.44
28	11.26	31	11.20	Sept. 1	12.51	Dec. 1	10.69
Apr. 1	11.21	June 30	10.92	Oct. 3	11.00		

838. City of Wichita. NE¼NW¼ sec. 33, T. 25 S., R. 3 W. Driven observation water-table well in medium sand, diameter 1¼ inches, depth 49 feet. Highest water level 17.01 below lsd, Oct. 2, 1951; lowest dry, January-December 1955. Records available: 1938-53, 1955. January-December, dry.

840. City of Wichita. NE¼ sec. 9, T. 25 S., R. 2 W. Drilled well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 233 feet. Highest water level 0.53 below lsd, Sept. 30, 1945; lowest 16.33 below lsd, Apr. 1, 1955. Records available: 1938-50, 1952-55.

Feb. 1	14.03	May 3	14.47	Aug. 1	14.78	Oct. 31	14.16
28	14.22	31	14.55	Sept. 1	14.85	Dec. 1	14.22
Apr. 1	16.33	June 30	14.71	Oct. 3	14.74		

842. City of Wichita. NW¼NW¼ sec. 16, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 15 feet. Highest water level 1.39 below lsd, Oct. 4, 1945; lowest 9.48 below lsd, Aug. 1, 1955. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	9.42	May 3	9.40	Aug. 1	9.48	Oct. 31	8.27
28	9.40	31	9.44	Sept. 1	8.74	Dec. 1	8.52
Apr. 1	9.38	June 30	9.13	Oct. 3	8.59		

847. City of Wichita. SW¼SE¼ sec. 6, T. 27 S., R. 1 E. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 25 feet. Highest water level 10.55 below lsd, May 8, 1944; lowest 18.36 below lsd, Dec. 5, 1947. Records available: 1939-55.

Feb. 1	17.28	May 3	17.09	Aug. 1	17.08	Oct. 31	16.65
28	17.07	31	16.71	Sept. 1	17.58	Dec. 1	16.96
Apr. 1	17.11	June 30	16.67	Oct. 3	14.98		

870. W. Williams. NW¼NE¼NE¼ sec. 18, T. 25 S., R. 2 W. Driven stock observation water-table well in Meade formation, diameter 1¼ inches, depth 19 feet. Highest water level 0.33 below lsd, July 10, 1951; lowest 9.52 below lsd, Dec. 1, 1954. Records available: 1939-55.

Feb. 1	8.85	May 3	8.40	Aug. 1	7.24	Oct. 31	5.97
28	8.85	31	7.87	Sept. 1	7.76	Dec. 1	6.72
Apr. 1	8.95	June 30	6.86	Oct. 3	6.17		

1171. City of Wichita. NE¼NE¼ sec. 4, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 20 feet. Highest water level 9.78 below lsd, Oct. 2, 1951; lowest 28.78 below lsd, Sept. 30, 1954. Records available: 1950-55. June 30, 20.34; Oct. 3, 20.64.

1176. City of Wichita. SW¼SW¼ sec. 5, T. 25 S., R. 1 W. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 33 feet. Highest water level 10.42 below lsd, Oct. 3, 1951; lowest 23.23 below lsd, Sept. 1, 1955. Records available: 1950-55. Apr. 1, 22.40; May 31, 22.78; June 30, 22.88; Aug. 1, 23.10; Sept. 1, 23.23; Oct. 3, 22.80; Dec. 1, 22.50.

3004. City of Wichita. SE¼ sec. 1, T. 25 S., R. 3 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches, depth 20 feet. Highest water level 4.42 below lsd, July 9, 1951; lowest 11.30 below lsd, Sept. 1, 1955. Records available: 1949-55.

Feb. 1	11.11	May 3	11.09	Aug. 1	11.17	Oct. 3	11.22
28	11.10	31	11.13	Sept. 1	11.30	Dec. 1	10.44
Apr. 1	11.10	June 30	11.06				

3030. City of Wichita. SW¼NW¼SW¼ sec. 11, T. 25 S., R. 2 W. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 32 feet. Highest water level 4.24 below lsd, July 10, 1951; lowest 15.54 below lsd, Sept. 1, 1955. Records available: 1950-55.

Feb. 1	14.70	May 3	14.94	Aug. 1	15.41	Oct. 31	14.89
28	14.89	31	15.26	Sept. 1	15.54	Dec. 1	14.90
Apr. 1	15.04	June 30	15.30	Oct. 3	15.27		

3041. City of Wichita. SE¼SE¼ sec. 3, T. 25 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, depth 17 feet. Highest water level 10.50 below lsd, Apr. 3, 1953; lowest 13.06 below lsd, Sept. 1, 1955. Records available: 1953-55.

Feb. 1	12.80	May 3	12.70	Aug. 1	12.75	Oct. 31	11.56
28	12.70	31	12.68	Sept. 1	13.06	Dec. 1	11.86
Apr. 1	12.64	June 30	12.36	Oct. 3	12.73		

3044. City of Wichita. SW¼SW¼ sec. 14, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age. Highest water level 8.09 below lsd, Oct. 31, 1955; lowest 10.55 below lsd, Apr. 1, 1955. Records available: 1953-55.

Feb. 1	9.49	May 3	9.50	Aug. 1	9.36	Oct. 31	8.09
28	9.52	31	9.53	Sept. 1	9.64	Dec. 1	8.34
Apr. 1	10.55	June 30	9.18	Oct. 3	8.95		

3045. Frisco RR. NW¼NW¼ sec. 13, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 6 inches, depth 65 feet. Highest water level 17.49 below lsd, June 25, 1954; lowest 19.67 below lsd, Sept. 10, 1955. Records available: 1954-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.69	18.83	18.93	19.10	19.27	19.45	19.33	19.51	19.65	19.35	18.74	18.87
2	18.70	18.84	18.94	19.09	19.27	19.45	19.34	19.48	19.66	19.34	18.77	19.05
3	18.70	18.84	18.95	19.09	19.24	19.45	19.40	19.47	19.64	19.32	18.77	19.02
4	18.70	18.84	18.95	19.09	19.23	19.44	19.40	19.51	19.62	19.25	18.74	19.00
5	18.70	18.84	18.95	19.09	19.23	19.43	19.36	19.51	19.61	19.15	18.70	18.99

3045--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	18.71	18.84	18.94	19.09	19.23	19.43	19.37	19.51	19.61	19.08	18.68	18.97
7	18.71	18.84	18.93	19.09	19.23	19.44	19.37	19.61	19.61	19.06	18.67	19.00
8	18.71	18.83	18.91	19.10	19.23	19.44	19.37	.....	19.63	19.03	18.66	19.00
9	18.74	18.83	18.94	19.10	19.23	19.43	19.40	.....	19.65	19.00	18.63	18.99
10	18.74	18.83	18.95	19.09	19.23	19.42	19.40	.....	19.67	18.99	18.59	19.05
11	18.75	18.83	18.95	19.09	19.23	19.42	19.40	.....	19.66	18.96	18.59	19.03
12	18.75	18.83	18.95	19.09	19.23	19.43	19.40	.....	19.65	18.95	18.62	19.02
13	18.76	18.83	18.95	19.09	19.23	19.42	19.40	.....	19.65	18.95	18.63	19.04
14	18.76	18.83	18.95	19.09	19.24	19.38	19.40	.....	19.64	18.95	18.67	19.04
15	18.76	18.83	18.95	19.10	19.24	19.38	19.40	.....	19.64	18.95	18.67	19.01
16	18.76	18.83	18.95	19.10	19.24	19.38	19.40	.....	19.65	18.94	18.67	18.99
17	18.76	18.83	18.95	19.10	19.24	19.35	19.40	.....	19.66	18.94	18.67	19.03
18	18.76	18.83	18.95	19.10	19.24	19.36	19.41	.....	19.66	18.94	18.67	19.00
19	18.76	18.83	18.95	19.10	19.24	19.35	19.41	.....	19.66	18.94	18.67	18.97
20	18.76	18.91	18.95	19.10	19.23	19.34	19.41	.....	19.66	18.94	18.78	19.05
21	18.76	.....	18.95	19.10	19.23	19.34	19.41	.....	19.66	18.95	18.77	19.05
22	18.81	.....	18.95	19.10	19.24	19.29	.....	.....	19.57	18.95	18.78	19.05
23	18.81	.....	18.99	19.15	19.25	19.29	.....	.....	19.57	18.95	18.88	19.05
24	18.81	.....	19.04	19.17	19.25	19.29	.....	.....	19.57	18.94	18.86	19.03
25	18.81	.....	.....	19.19	.....	19.29	.....	.....	19.49	18.83	18.87	18.99
26	18.80	.....	.....	19.19	.....	19.30	.....	.....	19.46	18.90	18.87	19.10
27	18.80	.....	.....	.....	.....	19.30	.....	.....	19.45	18.86	18.87	19.10
28	18.80	18.92	.....	.....	.....	19.30	.....	.....	19.41	18.92	18.87	19.07
29	18.81		.....	.....	.....	.....	.....	.....	19.35	18.92	18.86	19.07
30	18.81		.....	.....	.....	.....	.....	.....	.....	18.85	18.85	.....
31	18.81		.....		.....		.....	.....		.....		.....

3050. City of Wichita. SW¼SW¼ sec. 24, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age. Highest water level 6.47 below lsd, May 1, 1952; lowest 11.47 below lsd, May 31, 1955. Records available: 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	11.23	May 3	11.45	Aug. 1	11.09	Oct. 31	9.89
28	11.28	31	11.47	Sept. 1	11.27	Dec. 1	10.07
Apr. 1	11.36	June 30	11.01	Oct. 3	10.97		

M-25b. City of Wichita. NE¼NW¼ sec. 1, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 6.89 below lsd, Aug. 21, 1939; lowest 29.13 below lsd, Sept. 1, 1955. Records available: 1939-55.

Feb. 1	27.93	May 2	28.28	Aug. 1	28.77	Nov. 1	28.53
Mar. 1	28.23	31	28.65	Sept. 1	29.13	Dec. 1	28.65
Apr. 1	28.25	July 1	28.28	30	28.89	30	27.89

M-27. City of Wichita. NW¼NW¼ sec. 2, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 215 feet. Highest water level 13.96 below lsd, July 8, 1949; lowest 85.0 below lsd, Dec. 1, 1954. Records available: 1947, 1949-55.

Feb. 1	81.5	May 2	79.0	Aug. 1	74.50	Nov. 1	70.0
Mar. 1	77.5	31	30.63	Sept. 1	73.00	Dec. 1	70.0
Apr. 1	27.0	July 1	28.00	30	72.00	30	68.0

M-27a. City of Wichita. NW¼NW¼ sec. 2, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 82 feet. Highest water level 15.12 below lsd, Sept. 2, 1949; lowest 31.73 below lsd, Dec. 30, 1955. Records available: 1947, 1949-55.

Feb. 1	31.30	May 2	31.32	Aug. 1	31.52	Nov. 1	31.33
Mar. 1	31.09	31	29.66	Sept. 1	31.50	Dec. 1	31.14
Apr. 1	28.95	July 1	29.22	30	31.53	30	31.73

M-27b. City of Wichita. NE¼NE¼ sec. 3, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 80 feet. Highest water level 12.62 below lsd, Oct. 4, 1948; lowest 30.70 below lsd, Dec. 30, 1955. Records available: 1947-55.

Feb. 1	30.92	May 3	30.07	Aug. 1	30.34	Nov. 1	30.19
Mar. 1	29.84	31	28.82	Sept. 1	30.33	Dec. 1	30.05
Apr. 1	30.53	July 1	28.66	30	30.41	30	30.70

M-28. City of Wichita. NE¼NW¼ sec. 2, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 220 feet. Highest water level 14.09 below lsd, July 8, 1949; lowest 84.0 below lsd, July 1, 1955. Records available: 1947, 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	78.0	May 2	81.0	Aug. 1	78.0	Nov. 1	28.00
Mar. 1	77.0	31	82.0	Sept. 1	28.5	Dec. 1	29.0
Apr. 1	80.0	July 1	84.0	30	29.0	30	31.0

M-28a. City of Wichita. NE¼NW¼ sec. 2, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 80 feet. Highest water level 14.39 below lsd, Sept. 2, 1949; lowest 31.57 below lsd, Mar. 1, 1955. Records available: 1947, 1949-55.

Feb. 1	30.67	May 31	30.69	Aug. 1	31.23	Nov. 1	30.65
Mar. 1	31.57	June 3	30.83	Sept. 1	30.72	Dec. 1	30.75
May 1	30.59	July 1	30.83	30	31.13	30	31.36

M-28b. City of Wichita. NW¼NE¼ sec. 2, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 82 feet. Highest water level 12.55 below lsd, Oct. 4, 1948; lowest 30.80 below lsd, Dec. 30, 1955. Records available: 1947-55.

Feb. 1	29.77	May 2	30.05	Aug. 1	30.39	Nov. 1	30.03
Mar. 1	29.72	31	29.92	Sept. 1	30.09	Dec. 1	30.16
Apr. 1	29.75	July 1	29.98	30	30.60	30	30.80

M-29. City of Wichita. NW¼NW¼ sec. 11, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 225 feet. Highest water level 13.01 below lsd, July 8, 1949; lowest 62.0 below lsd, Aug. 1, 1950. Records available: 1947, 1949-55.

Feb. 1	51.0	May 2	52.0	Aug. 1	54.0	Nov. 1	50.0
Mar. 1	51.0	31	27.0	Sept. 1	53.0	Dec. 1	52.0
Apr. 1	48.0	July 1	52.0	30	26.0	30	49.0

M-29a. City of Wichita. NW¼NW¼ sec. 11, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 97 feet. Highest water level 12.15 below lsd, July 1, 1947; lowest 36.36 below lsd, Dec. 1, 1955. Records available: 1947, 1949-55.

Feb. 1	35.88	May 2	35.69	Aug. 1	36.20	Nov. 1	34.90
Mar. 1	35.79	31	27.85	Sept. 1	36.22	Dec. 1	36.36
Apr. 1	35.16	July 1	35.59	30	27.29	30	35.28

M-29b. City of Wichita. NW¼NW¼ sec. 11, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 103 feet. Highest water level 7.01 below lsd, July 2, 1951; lowest 28.69 below lsd, Dec. 1, 1955. Records available: 1947-55.

Feb. 1	28.23	May 2	27.96	Aug. 1	28.38	Nov. 1	27.44
Mar. 1	28.28	31	24.78	Sept. 1	28.40	Dec. 1	28.69
Apr. 1	28.02	July 1	27.91	30	24.30	30	27.30

M-30. City of Wichita. NE¼NW¼ sec. 11, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 225 feet. Highest water level 7.31 below lsd, July 8, 1949; lowest 64.0 below lsd, Dec. 1, 1955. Records available: 1947, 1949-55.

Feb. 1	58.5	May 2	25.0	Aug. 1	28.0	Nov. 1	28.0
Mar. 1	58.5	31	29.0	Sept. 1	28.0	Dec. 1	64.0
Apr. 1	57.0	July 1	28.0	30	27.0	30	61.0

M-30a. City of Wichita. NE¼NW¼ sec. 11, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 72 feet. Highest water level 12.32 below lsd, Oct. 1, 1951; lowest 33.08 below lsd, Dec. 1, 1955. Records available: 1947, 1949-55.

Feb. 1	32.05	May 2	26.03	Aug. 1	26.67	Nov. 1	26.05
Mar. 1	32.10	31	26.10	Sept. 1	26.85	Dec. 1	33.08
Apr. 1	31.92	July 1	26.27	30	25.89	30	32.32

M-30b. City of Wichita. NW¼NE¼ sec. 11, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 61 feet. Highest water level 7.39 below lsd, Oct. 4, 1948; lowest 30.32 below lsd, Dec. 1, 1955. Records available: 1947-55.

Feb. 1	29.48	May 3	26.15	Aug. 1	26.80	Nov. 1	26.22
Mar. 1	29.55	31	26.23	Sept. 1	27.07	Dec. 1	30.32
Apr. 1	29.53	July 1	26.42	30	26.32	30	29.66

M-31. City of Wichita. NW¼NW¼ sec. 12, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 197 feet. Highest water level 9.20 below lsd, July 8, 1949; lowest 67.0 below lsd, Oct. 1, 1953. Records available: 1947, 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	30.5	May 2	60.0	Aug. 1	64.0	Nov. 1	50.0
Mar. 1	31.0	31	60.5	Sept. 1	65.0	Dec. 1	30.0
Apr. 1	58.0	July 1	61.0	30	66.0	30	58.0

M-31a. City of Wichita. NW¼NW¼ sec. 12, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 87 feet. Highest water level 9.95 below lsd, July 16, 1947; lowest 33.58 below lsd, Sept. 1, 1955. Records available: 1947, 1949-55.

Feb. 1	28.75	May 2	31.28	Aug. 1	33.03	Nov. 1	31.72
Mar. 1	29.47	31	30.30	Sept. 1	33.58	Dec. 1	29.29
Apr. 1	31.99	July 1	32.51	30	33.51	30	30.49

M-31b. City of Wichita. NW¼NW¼ sec. 12, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 62 feet. Highest water level 8.34 below lsd, July 7, 1948; lowest 32.99 below lsd, Sept. 1, 1955. Records available: 1947-55.

Feb. 1	30.18	May 2	31.08	Aug. 1	32.53	Nov. 1	31.28
Mar. 1	30.71	31	30.22	Sept. 1	32.99	Dec. 1	30.63
Apr. 1	31.57	July 1	32.08	30	32.92	30	30.28

M-32. City of Wichita. NE¼NW¼ sec. 12, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 185 feet. Highest water level 9.02 below lsd, July 8, 1949; lowest 75.0 below lsd, July 1, 1955. Records available: 1947, 1949-55.

Feb. 1	70.0	May 2	70.0	Aug. 1	29.0	Nov. 1	28.0
Mar. 1	70.0	31	70.0	Sept. 1	29.0	Dec. 1	29.0
Apr. 1	27.0	July 1	75.0	30	29.0	30	26.0

M-32a. City of Wichita. NE¼NW¼ sec. 12, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 71 feet. Highest water level 9.96 below lsd, Apr. 16, 1947; lowest 29.62 below lsd, May 31, 1955. Records available: 1947, 1949-55.

Feb. 1	28.32	May 2	29.26	Aug. 1	28.40	Nov. 1	27.48
Mar. 1	28.05	31	29.62	Sept. 1	27.78	Dec. 1	26.99
Apr. 1	27.00	July 1	29.14	30	27.84	30	27.73

M-32b. City of Wichita. NE¼NW¼ sec. 12, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 71 feet. Highest water level 8.40 below lsd, Oct. 4, 1948; lowest 29.52 below lsd, May 31, 1955. Records available: 1947-55.

Feb. 1	28.43	May 2	29.17	Aug. 1	29.27	Nov. 1	28.45
Mar. 1	28.34	31	29.52	Sept. 1	28.65	Dec. 1	28.13
Apr. 1	28.23	July 1	29.29	30	28.82	30	28.79

M-33. City of Wichita. NE¼SE¼ sec. 1, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 170 feet. Highest water level 7.23 below lsd, July 8, 1949; lowest 78.0 below lsd, July 1, 1955. Records available: 1947, 1949-55.

Feb. 1	71.0	May 2	77.0	Aug. 1	74.0	Nov. 1	74.0
Mar. 1	70.0	31	74.0	Sept. 1	76.0	Dec. 1	74.0
Apr. 1	71.0	July 1	78.0	30	72.0	30	74.5

M-33a. City of Wichita. NE¼SE¼ sec. 1, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 54 feet. Highest water level 9.20 below lsd, Sept. 2, 1949; lowest 28.33 below lsd, July 1, 1955. Records available: 1947, 1949-55.

Feb. 1	27.28	May 2	27.98	Aug. 1	28.32	Nov. 1	27.69
Mar. 1	27.53	31	27.97	Sept. 1	28.06	Dec. 1	27.60
Apr. 1	27.73	July 1	28.33	30	28.29	30	28.18

M-33b. City of Wichita. SE¼NE¼ sec. 1, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 75 feet. Highest water level 6.82 below lsd, Oct. 4, 1948; lowest 27.55 below lsd, Dec. 1, 1953. Records available: 1947-55.

Feb. 1	25.12	May 2	25.86	Aug. 1	26.13	Nov. 1	25.64
Mar. 1	25.50	31	25.83	Sept. 1	26.01	Dec. 1	25.52
Apr. 1	25.56	July 1	26.16	30	26.19	30	26.07

M-34. City of Wichita. SW¼SW¼ sec. 6, T. 25 S., R. 1 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 150 feet. Highest water level 6.96 below lsd, July 8, 1949; lowest 63.0 below lsd, Sept. 1, 1954, May 2, July 1, 1955. Records available: 1947, 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	60.0	May 2	63.0	Aug. 1	59.0	Nov. 1	56.0
Mar. 1	59.0	31	29.5	Sept. 1	28.5	Dec. 1	57.0
Apr. 1	60.0	July 1	63.0	30	29.0	30	58.0

M-34a. City of Wichita. SW¼SW¼ sec. 6, T. 25 S., R. 1 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 85 feet. Highest water level 8.90 below lsd, Sept. 2, 1949; lowest 32.25 below lsd, July 1, 1955. Records available: 1947, 1949-55.

Feb. 1	31.35	May 2	32.05	Aug. 1	29.25	Nov. 1	30.72
Mar. 1	31.04	31	28.65	Sept. 1	28.00	Dec. 1	31.42
Apr. 1	31.50	July 1	32.25	30	28.46	30	32.17

M-34b. City of Wichita. SW¼SW¼ sec. 6, T. 25 S., R. 1 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 85 feet. Highest water level 5.64 below lsd, July 7, 1948; lowest 28.43 below lsd, Apr. 1, 1955. Records available: 1947-55.

Feb. 1	26.75	May 2	27.51	Aug. 1	28.18	Nov. 1	26.59
Mar. 1	27.10	31	27.75	Sept. 1	26.65	Dec. 1	26.88
Apr. 1	28.43	July 1	27.73	30	27.62	30	27.80

M-35. City of Wichita. NE. cor. NW¼ sec. 7, T. 25 S., R. 1 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 130 feet. Highest water level 10.30 below lsd, July 8, 1949; lowest 58.0 below lsd, Aug. 1, 1955. Records available: 1947, 1949-55.

Feb. 1	54.0	May 2	57.0	Aug. 1	58.0	Nov. 1	30.0
Mar. 1	53.0	31	55.0	Sept. 1	56.0	Dec. 1	54.0
Apr. 1	54.0	July 1	57.0	30	53.5	30	30.0

M-35a. City of Wichita. NE¼NW¼ sec. 7, T. 25 S., R. 1 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 85 feet. Highest water level 8.69 below lsd, Sept. 2, 1949; lowest 31.46 below lsd, Dec. 30, 1955. Records available: 1947, 1949-55.

Feb. 1	29.03	May 2	30.46	Aug. 1	30.35	Nov. 1	29.54
Mar. 1	29.29	31	30.74	Sept. 1	31.26	Dec. 1	29.95
Apr. 1	29.86	July 1	30.69	30	30.30	30	31.46

M-35b. City of Wichita. SE¼SW¼ sec. 6, T. 25 S., R. 1 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 86 feet. Highest water level 10.60 below lsd, Sept. 2, 1949; lowest 31.45 below lsd, Aug. 1, 1955. Records available: 1947-55.

Feb. 1	30.31	May 2	31.07	Aug. 1	31.45	Nov. 1	29.38
Mar. 1	30.36	31	30.76	Sept. 1	31.06	Dec. 1	30.50
Apr. 1	30.65	July 1	31.37	30	30.89	30	30.54

Seward County

15. Cabot Carb. SE¼SW¼ sec. 21, T. 32 S., R. 33 W. Drilled domestic stock water-table well in alluvium, diameter 5 inches, depth 53 feet. Highest water level 15.88 below lsd, May 3, 1944; lowest 18.81 below lsd, Nov. 28, 1951. Records available: 1940-55.

Jan. 11	17.84	Apr. 11	17.93	June 8	17.41	Oct. 18	18.25
Feb. 8	17.83	May 9	17.92	Sept. 7	18.14	Dec. 19	17.95

106. Kansas City Life Insurance Co. SW¼SW¼ sec. 8, T. 32 S., R. 34 W. Drilled unused water-table well in Meade and Ogallala formations, diameter 5 inches, depth 212 feet. Highest water level 204.55 below lsd, Jan. 11, 1954; lowest 210.95 below lsd, Mar. 8, 1949. Records available: 1940-55. Nov. 28, 207.65; Dec. 19, 206.82.

122. Mrs. Flora Atwell. NE¼SE¼ sec. 9, T. 33 S., R. 31 W. Drilled domestic stock water-table well in Meade and Ogallala formations, diameter 5 inches, depth 213 feet. Highest water level 197.42 below lsd, Aug. 17, 1955; lowest 205.76 below lsd, Oct. 21, 1947. Records available: 1940-55.

Jan. 11	198.78	Apr. 11	198.43	July 11	198.80	Oct. 18	199.91
Feb. 8	198.11	May 9	198.63	Aug. 17	197.42	Nov. 28	198.11
Mar. 10	201.32	June 8	201.72	Sept. 7	197.91	Dec. 19	199.77

31-34-17cb. Carrie Young. Drilled stock water-table well in Meade and Ogallala formations, diameter 5 inches, depth 131 feet. Highest water level 113.05 below lsd, Oct. 25, 1951; lowest 121.38 below lsd, Sept. 16, 1952. Records available: 1950-55. Nov. 28, 119.50; Dec. 19, 119.73.

33-33-29dd. Owner unknown. SE¼SE¼ sec. 29, T. 33 S., R. 33 W. Drilled stock observation well in Ogallala formation, diameter 4 inches, depth 179 feet. Highest water level 168.34 below lsd, Apr. 11, 1955; lowest 168.78 below lsd, Dec. 19, 1955. Records available: 1955.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	168.72	Mar. 10	168.51	May 9	168.36	Nov. 28	168.76
Feb. 8	168.55	Apr. 11	168.34	Oct. 18	168.55	Dec. 19	168.78

Shawnee County

11-15-16c. State Board of Agriculture. Drilled observation water-table well in alluvium, diameter 18 inches, depth 47 feet. Highest water level 8.87 below lsd, July 16, 1951; lowest 29.77 below lsd, Dec. 31, 1954. Records available: 1950-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.77	29.01	28.98	28.58	28.95	29.09	28.73	28.55	28.73	29.20	29.17	29.37
2	28.78	29.02	28.95	28.58	28.95	29.08	28.73	28.56	28.73	29.21	29.19	29.38
3	28.78	29.03	28.93	28.58	28.96	29.07	28.73	28.57	28.75	29.22	29.18	29.39
4	28.79	29.04	28.90	28.58	28.96	29.05	28.72	28.59	28.76	29.22	29.18	29.40
5	28.79	29.04	28.88	28.59	28.96	29.05	28.72	28.60	28.78	29.22	29.18	29.42
6	28.80	29.05	28.86	28.60	28.97	29.04	28.72	28.61	28.79	29.22	29.19	29.43
7	28.80	29.06	28.84	28.61	28.98	29.02	28.71	28.62	28.80	29.22	29.20	29.44
8	28.80	29.07	28.82	28.63	28.99	29.01	28.70	28.63	28.82	29.22	29.21	29.45
9	28.81	29.08	28.80	28.65	28.99	29.01	28.69	28.64	28.84	29.22	29.21	29.47
10	28.82	29.09	28.78	28.67	29.00	29.00	28.68	28.65	28.85	29.21	29.22	29.48
11	28.83	29.10	28.77	28.70	29.01	28.99	28.66	28.65	28.87	29.20	29.23	29.49
12	28.84	29.11	28.75	28.72	29.02	28.97	28.65	28.64	28.89	29.19	29.24	29.50
13	28.85	29.12	28.73	28.74	29.02	28.96	28.62	28.64	28.91	29.18	29.25	29.51
14	28.86	29.12	28.72	28.76	29.03	28.95	28.60	28.63	28.93	29.18	29.25	29.52
15	28.87	29.13	28.71	28.79	29.03	28.93	28.57	28.62	28.95	29.18	29.26	29.53
16	28.88	29.13	28.70	28.81	29.04	28.92	28.55	28.60	28.96	29.18	29.27	29.54
17	28.88	29.14	28.69	28.83	29.05	28.90	28.53	28.59	28.98	29.18	29.28	29.55
18	28.89	29.14	28.67	28.85	29.06	28.88	28.51	28.59	29.00	29.18	29.29	29.56
19	28.90	29.15	28.66	28.85	29.06	28.86	28.50	28.60	29.02	29.17	29.29	29.57
20	28.90	29.15	28.65	28.87	29.07	28.85	28.49	28.60	29.04	29.17	29.29	29.58
21	28.91	29.14	28.64	28.89	29.07	28.83	28.48	28.60	29.05	29.17	29.29	29.59
22	28.92	29.12	28.63	28.90	29.08	28.82	28.48	28.62	29.07	29.16	29.30	29.60
23	28.93	29.10	28.62	28.90	29.08	28.81	28.48	28.63	29.09	29.15	29.31	29.60
24	28.94	29.09	28.62	28.90	29.08	28.80	28.48	28.64	29.11	29.15	29.32	29.61
25	28.95	29.07	28.62	28.91	29.09	28.79	28.48	28.65	29.13	29.15	29.33	29.62
26	28.95	29.05	28.62	28.92	29.09	28.78	28.49	28.66	29.14	29.15	29.33	29.63
27	28.97	29.03	28.61	28.94	29.09	28.76	28.50	28.67	29.16	29.15	29.35	29.64
28	28.98	29.00	28.60	28.94	29.10	28.75	28.51	28.68	29.17	29.15	29.35	29.65
29	28.99		28.59	28.95	29.10	28.75	28.52	28.70	29.18	29.16	29.36	29.66
30	29.00		28.58	28.95	29.10	28.74	28.53	28.71	29.19	29.16	29.37	29.67
31	29.00		28.58		29.10		28.54	28.72		29.16		29.68

11-16-5bc. C. C. Busey. Dug unused water-table well in White Cloud shale member of Scranton shale, diameter 6 feet, depth 23 feet, cribbed with rock. Highest water level 1.27 below lsd, Apr. 15, 1949; lowest 11.80 below lsd, Nov. 27, 1948. Records available: 1948-52. Measurement discontinued.

Sheridan County

7-28-28dd. Owner unknown. Drilled unused observation well in Ogallala formation, diameter 6 inches, depth 118 feet. Highest water level 108.19 below lsd, Nov. 22, 1954; lowest 108.41 below lsd, Feb. 16, 1953. Records available: 1952-55. Feb. 21, 108.22; May 3, 108.27; Aug. 29, 108.25; Nov. 16, 108.32.

8-26-17cb. Owner unknown. Drilled unused observation well in Ogallala formation, diameter 5 inches, depth 55 feet. Highest water level 47.41 below lsd, May 11, 1953; lowest 48.71 below lsd, Aug. 29, 1955. Records available: 1952-55. Feb. 21, 48.03; May 3, 47.88; Aug. 29, 48.71; Nov. 16, 48.67.

8-28-33dc. School District. Drilled unused school well in Ogallala formation, diameter 8 inches, depth 56 feet. Highest water level 48.35 below lsd, Aug. 7, 1952; lowest 53.09 below lsd, Nov. 16, 1955. Records available: 1952-55. Feb. 21, 50.66; May 3, 50.58; Aug. 29, 51.56; Nov. 16, 53.09.

Sherman County

8-37-28abb. Albert Vohs. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 125 feet. Highest water level 107.08 below lsd, Oct. 25, 1954; lowest 107.85 below lsd, Jan. 6, 1949. Records available: 1948-54. No measurement made in 1955.

8-39-19caa. Wm. Hall. (City of Goodland). Drilled unused water-table well in sand and Ogallala formation, diameter 6 inches, depth 165 feet. Highest water level 118.13 below lsd, Apr. 24, 1951; lowest 154.79 below lsd, July 20, 1954. Records available: 1950-55. Jan. 24, 150.27; Apr. 13, 149.08; July 13, 153.95; Oct. 11, 153.57.

8-40-24baa. Victoria Van Drasek Estate. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 164 feet. Highest water level 135.54 below lsd, Apr. 21, 1953; lowest 137.41 below lsd, Jan. 8, 1951. Records available: 1948-55. Apr. 13, 136.40; July 13, 136.72; Oct. 11, 137.04.

9-39-30cbb. Charles Glenn. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 145 feet. Highest water level 117.99 below lsd, Jan. 20, 1953; lowest 118.90 below lsd, Apr. 14, 1949. Records available: 1948-55. Apr. 14, 118.13; July 14, 118.06; Oct. 12, 118.11.

Smith County

4-14-34bc. Laura Davis. Dug stock observation water-table well in terrace gravel, diameter 32 inches, depth 46 feet. Highest water level 39.49 below lsd, Dec. 10, 1951; lowest 45.37 below lsd, Mar. 22, 1951. Records available: 1945-55. Apr. 5, 42.58; July 10, 42.62; Oct. 29, 42.60.

4-15-31bb. Wilbur Lala. Drilled stock observation water-table well in alluvium and terrace deposits, diameter 8 inches, depth 44 feet. Highest water level 25.56 below lsd, May 14, 1951; lowest 36.26 below lsd, Nov. 30, 1948. Records available: 1945-55. Apr. 5, 32.78; July 10, 32.80; Oct. 29, 33.05.

5-13-4dc. Roy Eller. Dug domestic stock water-table well in alluvium, diameter 24 inches, depth 43 feet, cribbed with rock. Highest water level 10.78 below lsd, July 24, 1951; lowest 35.28 below lsd, Dec. 17, 1945. Records available: 1945-55. Apr. 5, 19.91; July 10, 20.69; Oct. 29, 22.75.

5-13-33ba. W. L. Gearhart and others. Dug unused water-table well in terrace gravel, diameter 4 feet, depth 39 feet. Highest water level 10.16 below lsd, July 24, 1951; lowest 30.46 below lsd, Jan. 2, 1948. Records available: 1945-55. Apr. 5, 23.47; July 10, 23.99.

5-15-2dc. George K. Wamhoff. Drilled unused water-table well in terrace alluvium, diameter 10 inches, depth 42 feet. Highest water level 23.95 below lsd, Oct. 22, 1951; lowest 33.84 below lsd, Nov. 30, 1948. Records available: 1945-55. Apr. 5, 30.68; July 10, 31.27; Oct. 29, 31.65.

Stafford County

19. Atlantic Refining Co. SE¼SE¼ sec. 27, T. 21 S., R. 13 W. Drilled observation water-table well in Meade formation, diameter 6 inches, depth 63 feet. Highest water level 0.20 below lsd, Mar. 11, 1952; lowest dry, June 23, Dec. 21, 1954. Records available: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	4.00	Apr. 18	4.13	June 15	4.09	July 18	5.52
Feb. 15	4.49	May 11	5.29	20	4.78	Dec. 20	4.64
Mar. 29	3.92						

25-13-3bb. M. L. Halley. Driven unused water-table well in Meade formation, diameter 4 inches, depth 30 feet. Highest water level 2.75 below lsd, May 21, 1952; lowest 18.85 below lsd, Sept. 14, 1955. Records available: 1951-55.

Jan. 17	16.77	Apr. 18	17.13	June 20	17.74	Oct. 24	18.62
Feb. 15	16.85	May 11	17.41	July 18	18.39	Nov. 22	18.26
Mar. 29	16.98	June 15	18.61	Sept. 14	18.85	Dec. 20	18.58

Stanton County

13. Leah Carrithers. NE¼SE¼ sec. 21, T. 27 S., R. 40 W. Drilled unused water-table well, diameter 5 inches, depth 55 feet. Highest water level 44.10 below lsd, May 26, 1953; lowest 51.83 below lsd, Apr. 3, 1940. Records available: 1939-55. May 10, 46.79; Nov. 29, 46.63.

93. J. Plummer. NE¼ sec. 11, T. 29 S., R. 41 W. Drilled observation water-table well in coarse gravel, diameter 8 inches, depth 234 feet. Highest water level 173.14 below lsd, Feb. 9, 1955; lowest 180.65 below lsd, Nov. 16, 1949. Records available: 1939-55. Feb. 9, 173.14; May 10, 173.87; Nov. 29, 173.36.

146. C. M. Harrison. SW¼SE¼ sec. 27, T. 30 S., R. 43 W. Drilled unused water-table well in Dakota formation, diameter 5 inches, depth 55 feet. Highest water level 31.54 below lsd, Nov. 29, 1951; lowest 46.30 below lsd, Apr. 22, May 14, June 18, 1940. Records available: 1939-51, 1953-55. Feb. 9, 34.45; May 10, 34.93; Aug. 8, 34.58; Nov. 29, 38.75.

Stevens County

33-36-26dd. R. Heger. Drilled unused irrigation well, diameter 16 inches, depth 360 feet. Highest water level 121.71 below lsd, Nov. 18, 1953; lowest 130.95 below lsd, Sept. 29, 1942. Records available: 1942, 1952-55. Feb. 8, 122.59.

Sumner County

1a. Fred Kersey. SE¼SW¼ sec. 5, T. 30 S., R. 2 E. Drilled observation well in terrace clay, diameter 1¼ inches, depth 32 feet. Highest water level 11.14 below lsd, Nov. 8, 1955; lowest 13.88 below lsd, Nov. 24, 1954. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 3, 1954	13.10	Nov. 24, 1954	13.88	Apr. 25, 1955	13.30	July 20, 1955	12.22
Oct. 29	13.61	Feb. 8, 1955	13.09	June 3	11.77	Nov. 8	11.14

2a. Owner unknown. SE¼SE¼ sec. 6, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 45 feet. Highest water level 18.90 below lsd, Nov. 8, 1955; lowest 20.06 below lsd, Aug. 31, 1954. Records available: 1954-55.

Aug. 31, 1954	20.06	Nov. 24, 1954	19.80	Apr. 25, 1955	19.92	July 20, 1955	19.30
Oct. 29	19.80	Feb. 8, 1955	19.87	June 3	19.69	Nov. 8	18.90

3. Owner unknown. NE¼NE¼ sec. 7, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 34 feet. Highest water level 14.38 below lsd, Nov. 8, 1955; lowest 15.70 below lsd, July 20, 1955. Records available: 1954-55.

Aug. 31, 1954	15.21	Nov. 24, 1954	15.24	Apr. 25, 1955	15.49	July 20, 1955	15.70
Oct. 29	15.12	Feb. 8, 1955	15.59	June 3	15.14	Nov. 8	14.38

4. Owner unknown. SW¼NE¼ sec. 7, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 45 feet. Highest water level 14.52 below lsd, Nov. 8, 1955; lowest 18.17 below lsd, July 20, 1955. Records available: 1954-55.

Aug. 30, 1954	15.57	Nov. 24, 1954	15.26	Apr. 25, 1955	15.66	July 20, 1955	18.17
Oct. 29	15.04	Feb. 8, 1955	15.85	June 3	15.26	Nov. 8	14.52

5. Owner unknown. SE¼NW¼ sec. 7, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 44 feet. Highest water level 14.24 below lsd, July 20, 1955; lowest 18.80 below lsd, Aug. 30, 1954. Records available: 1954-55.

Aug. 30, 1954	18.80	Nov. 24, 1954	16.20	Apr. 25, 1955	15.87	July 20, 1955	14.24
Oct. 29	15.32	Feb. 8, 1955	17.20	June 3	15.21	Nov. 8	14.89

6. Owner unknown. SE¼NW¼ sec. 7, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 37 feet. Highest water level 9.29 below lsd, Aug. 30, 1954; lowest 11.96 below lsd, Feb. 8, 1955. Records available: 1954-55.

Aug. 30, 1954	9.29	Nov. 24, 1954	11.07	Apr. 25, 1955	11.91	July 20, 1955	9.60
Oct. 29	10.48	Feb. 8, 1955	11.96	June 3	11.13	Nov. 8	11.22

7. Owner unknown. NE¼SW¼ sec. 7, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 45 feet. Highest water level 10.71 below lsd, Aug. 30, 1954; lowest 14.87 below lsd, Nov. 24, 1954. Records available: 1954-55.

Aug. 30, 1954	10.71	Nov. 24, 1954	14.87	Apr. 25, 1955	14.82	July 20, 1955	13.76
Oct. 29	14.39	Feb. 8, 1955	12.17	June 3	13.47	Nov. 8	13.86

8. Owner unknown. NE¼SW¼ sec. 7, T. 30 S., R. 2 E. Drilled observation well in alluvial gravel, diameter 1¼ inches, depth 45 feet. Highest water level 10.50 below lsd, Aug. 30, 1954; lowest 17.70 below lsd, Apr. 25, 1955. Records available: 1954-55.

Aug. 30, 1954	10.50	Nov. 24, 1954	17.58	Apr. 25, 1955	17.70	July 20, 1955	16.40
Oct. 29	16.95	Feb. 8, 1955	13.36	June 3	16.24	Nov. 8	16.23

9. Owner unknown. SW¼NE¼ sec. 7, T. 30 S., R. 2 E. Drilled observation well in alluvial gravel, diameter 1¼ inches, depth 45 feet. Highest water level 13.05 below lsd, Nov. 8, 1955; lowest 15.13 below lsd, July 20, 1955. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 31, 1954	14.20	Nov. 24, 1954	13.89	Apr. 25, 1955	14.23	July 20, 1955	15.13
Oct. 29	13.66	Feb. 8, 1955	14.43	June 3	13.71	Nov. 8	13.05

10. Owner unknown. SW¼NE¼ sec. 7, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 37 feet. Highest water level 10.45 below lsd, Sept. 25, 1954; lowest 12.69 below lsd, Feb. 8, 1955. Records available: 1954-55.

Sept. 25, 1954	10.45	Nov. 24, 1954	11.11	Apr. 25, 1955	12.46	July 20, 1955	11.57
Oct. 29	10.49	Feb. 8, 1955	12.69	June 3	11.80	Nov. 8	11.35

11. Owner unknown. NE¼NE¼ sec. 7, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 31 feet. Highest water level 15.24 below lsd, Nov. 8, 1955; lowest 21.50 below lsd, June 3, 1955. Records available: 1954-55.

Aug. 31, 1954	16.43	Nov. 24, 1954	16.19	Apr. 25, 1955	17.88	July 20, 1955	16.10
Oct. 29	15.95	Feb. 8, 1955	16.83	June 3	21.50	Nov. 8	15.24

12. Fred Kersey. NW¼SW¼ sec. 8, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches. Highest water level 16.16 below lsd, Nov. 8, 1955; lowest 17.33 below lsd, Feb. 8, 1955. Records available: 1954-55.

Sept. 1, 1954	16.61	Nov. 24, 1954	17.19	Apr. 25, 1955	17.12	July 20, 1955	16.35
Oct. 29	17.14	Feb. 8, 1955	17.33	June 3	16.37	Nov. 8	16.16

13. Owner unknown. SE¼SE¼ sec. 7, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 32 feet. Highest water level 11.81 below lsd, June 3, 1955; lowest 13.62 below lsd, Apr. 25, 1955. Records available: 1954-55.

Sept. 1, 1954	13.08	Nov. 24, 1954	13.10	Apr. 25, 1955	13.62	July 20, 1955	12.60
Oct. 29	13.32	Feb. 8, 1955	13.20	June 3	11.81	Nov. 8	12.90

14. Owner unknown. SE¼SE¼ sec. 7, T. 30 S., R. 2 E. Drilled observation well in alluvial gravel, diameter 1¼ inches, depth 33 feet. Highest water level 7.02 below lsd, July 20, 1955; lowest 10.78 below lsd, Feb. 2, 1955. Records available: 1954-55.

Sept. 1, 1954	7.44	Nov. 24, 1954	7.40	Apr. 25, 1955	7.22	July 20, 1955	7.02
Oct. 29	10.33	Feb. 8, 1955	10.78	June 3	8.63	Nov. 8	7.34

15. Owner unknown. NW¼SE¼ sec. 7, T. 30 S., R. 2 E. Drilled observation well in alluvial gravel, diameter 1¼ inches, depth 27 feet. Highest water level 9.99 below lsd, Aug. 31, 1954; lowest 14.66 below lsd, Nov. 24, 1954. Records available: 1954-55.

Aug. 31, 1954	9.99	Nov. 24, 1954	14.66	Apr. 25, 1955	13.86	July 20, 1955	12.20
Oct. 29	13.49	Feb. 8, 1955	14.61	June 3	11.32	Nov. 8	12.77

16. Owner unknown. NW¼SE¼ sec. 7, T. 30 S., R. 2 E. Drilled observation well in alluvial sand and gravel, diameter 1¼ inches, depth 30 feet. Highest water level 10.07 below lsd, June 3, 1955; lowest 15.17 below lsd, Oct. 29, 1954. Records available: 1954-55.

Sept. 25, 1954	11.71	Nov. 24, 1954	13.54	Apr. 25, 1955	12.66	July 20, 1955	11.00
Oct. 29	15.17	Feb. 8, 1955	13.56	June 3	10.07	Nov. 8	11.30

17. Owner unknown. Drilled observation well in alluvial gravel, diameter 1¼ inches, depth 33 feet. Highest water level 8.80 below lsd, Sept. 1, 1954; lowest 12.99 below lsd, Feb. 8, 1955. Records available: 1954-55.

Sept. 1, 1954	8.80	Nov. 24, 1954	12.91	Apr. 25, 1955	11.83	July 20, 1955	10.55
Oct. 29	11.57	Feb. 8, 1955	12.99	June 3	9.75	Nov. 8	9.23

18. Owner unknown. NW¼NW¼ sec. 17, T. 30 S., R. 2 E. Drilled observation well in alluvial gravel, diameter 1¼ inches, depth 32 feet. Highest water level 11.49 below lsd, June 3, 1955; lowest 13.10 below lsd, Sept. 3, 1954. Records available: 1954-55.

Sept. 3, 1954	13.10	Nov. 24, 1954	13.02	Apr. 25, 1955	12.46	Sept. 20, 1955	12.54
Oct. 29	13.09	Feb. 8, 1955	12.79	June 3	11.49	Nov. 8	12.96

19. Thomas Graber. NW¼SE¼ sec. 17, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 30 feet. Highest water level 9.94 below lsd, Nov. 8, 1955; lowest 11.88 below lsd, Sept. 1, 1954. Records available: 1954-55.

Sept. 1, 1954	11.88	Nov. 24, 1954	11.61	Apr. 25, 1955	11.08	July 20, 1955	10.46
Oct. 29	11.74	Feb. 8, 1955	10.29	June 3	10.55	Nov. 8	9.94

20. Tom Morison. NW¼NW¼ sec. 21, T. 30 S., R. 2 E. Drilled observation well in alluvial gravel, diameter 1¼ inches, depth 24 feet. Highest water level 6.25 below lsd, Nov. 8, 1955; lowest 10.23 below lsd, Sept. 25, 1954. Records available: 1954-55.

Sept. 25, 1954	10.23	Nov. 24, 1954	9.61	Apr. 25, 1955	9.20	July 20, 1955	7.40
Oct. 29	9.92	Feb. 8, 1955	9.48	June 3	9.11	Nov. 8	6.25

21. Wm. Van Warmer. SW¼SE¼ sec. 21, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 23 feet. Highest water level 5.91 below lsd, Nov. 8, 1955; lowest 6.52 below lsd, Apr. 25, 1955. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 25, 1954	6.09	Nov. 24, 1954	6.33	Apr. 25, 1955	6.52	July 20, 1955	6.41
Oct. 29	6.19	Feb. 8, 1955	6.50	June 3	6.49	Nov. 8	5.91

22. Everett Howard. NE¼NE¼SW¼ sec. 27, T. 30 S., R. 2 E. Drilled observation well in terrace sand and gravel, diameter 1¼ inches, depth 42 feet. Highest water level 18.36 below lsd, Sept. 25, 1954; lowest 18.85 below lsd, Apr. 25, June 3, 1955. Records available: 1954-55. Sept. 25, 1954, 18.36; Oct. 29, 18.53; Nov. 24, 18.60; Apr. 25, 1955, 18.85; June 3, 18.85; July 20, 18.72; Nov. 8, 18.50.

23. Owner unknown. SW¼SE¼ sec. 18, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 27 feet. Highest water level 10.08 below lsd, July 20, 1955; lowest 10.94 below lsd, Nov. 24, 1954. Records available: 1954-55.

Sept. 4, 1954	10.90	Nov. 24, 1954	10.94	Apr. 25, 1955	10.46	July 20, 1955	10.08
Oct. 29	10.93	Feb. 8, 1955	10.72	June 3	10.80	Nov. 8	10.13

24. Owner unknown. NE¼NE¼ sec. 18, T. 30 S., R. 2 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 32 feet. Highest water level 11.06 below lsd, June 3, 1955; lowest 12.66 below lsd, Nov. 24, 1954. Records available: 1954-55.

Sept. 4, 1954	12.49	Nov. 24, 1954	12.66	Apr. 25, 1955	12.02	July 20, 1955	11.63
Oct. 29	12.51	Feb. 8, 1955	12.54	June 3	11.06	Nov. 8	11.90

25. Harold Martin. NE¼NW¼NE¼ sec. 11, T. 30 S., R. 1 E. Drilled observation well in terrace gravel, diameter 1¼ inches, depth 34 feet. Highest water level 11.70 below lsd, Nov. 8, 1955; lowest 13.05 below lsd, Oct. 29, 1954. Records available: 1954-55.

Sept. 4, 1954	12.99	Nov. 24, 1954	12.92	Apr. 25, 1955	12.58	July 20, 1955	12.10
Oct. 29	13.05	Feb. 8, 1955	12.64	June 3	12.44	Nov. 8	11.70

Thomas County

7. City of Brewster. NW¼NE¼ sec. 18, T. 8 S., R. 36 W. Drilled unused water-table well in sand and gravel, diameter 6 inches, depth 139 feet. Highest water level 110.85 below lsd, July 8, 1953; lowest 128.02 below lsd, Oct. 14, 1948. Records available: 1942-55. Jan. 24, 125.85; Apr. 13, 124.38; July 13, 126.05; Oct. 11, 125.07.

26. Thomas A. Ryan. NE¼SE¼ sec. 27, T. 8 S., R. 32 W. Drilled unused water-table well in sand and gravel, diameter 8 inches, depth 159 feet. Highest water level 109.97 below lsd, Oct. 11, 1955; lowest 117.55 below lsd, Oct. 13, 1948. Records available: 1942-55. Jan. 24, 110.15; July 13, 110.02; Oct. 11, 109.97.

33. Arch Ball. NW¼NW¼ sec. 7, T. 9 S., R. 33 W. Drilled unused water-table well in sand, diameter 6 inches, depth 137 feet. Highest water level 114.24 below lsd, Oct. 25, 1954; lowest 121.30 below lsd, Apr. 14, 1949. Records available: 1942-52, 1954. No measurement made in 1955.

8-34-2aa. U. S. Dept. of Agriculture and Kansas Agricultural Experiment Station. Drilled unused water-table well, depth 160 feet. Highest water level 112.31 below lsd, May 20, 27, 1954; lowest 115.60 below lsd, Jan. 6, 1955. Records available: 1947-55.

Jan. 6	115.60	Feb. 17	113.40	Apr. 28	113.59	June 18	113.73
14	113.52	24	113.40	May 5	113.51	23	113.80
20	113.44	Mar. 3	113.50	12	113.56	27	113.73
27	113.43	10	113.40	19	113.65	30	113.80
Feb. 3	113.41	Apr. 14	113.48	June 2	113.69	July 14	113.85
10	113.46	21	113.54	9	113.67		

Trego County

14-22-26da. U. S. Bureau of Reclamation. Drilled observation water-table well in terrace gravel, diameter 6 inches, depth 50 feet. Highest water level 26.90 below lsd, July 15, 1952; lowest 33.73 below lsd, Apr. 24, 1955. Records available: 1952-55.

14-22-26da--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	32.88	May 7	33.71	July 30	30.58	Oct. 22	28.90
11	32.85	14	33.63	Aug. 6	30.27	29	29.06
18	33.16	21	33.55	13	29.00	Nov. 6	29.17
Feb. 24	33.51	28	33.71	20	28.65	12	29.06
Mar. 3	33.25	June 4	33.44	27	28.23	19	29.21
12	33.62	11	33.45	Sept. 3	27.95	26	28.97
19	33.25	18	33.39	10	28.80	Dec. 3	28.95
26	33.62	25	32.81	17	29.40	10	29.27
Apr. 2	33.39	July 2	32.26	24	29.47	17	29.05
16	33.68	9	31.88	Oct. 1	29.40	24	29.15
24	33.73	16	31.38	8	29.11	31	29.04
30	33.64	23	30.98	15	28.56		

14-22-36aa. U. S. Geol. Survey. Drilled observation water-table well in deposits of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 74 feet. Highest water level 29.08 below lsd, Apr. 17, 1954; lowest 43.11 below lsd, Mar. 16, 1950. Records available: 1949-54. No measurement made in 1955.

Wallace County

12-40-14bba. W. P. Kirkham. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 21 feet. Highest water level 19.72 below lsd, July 20, 1949; lowest 21.84 below lsd, Oct. 25, 1954. Records available: 1948-55. Apr. 14, 20.55.

14-40-34ddd. C. Popp. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 91 feet. Highest water level 86.83 below lsd, Jan. 17, 1952; lowest 89.47 below lsd, Oct. 12, 1955. Records available: 1948-55. Jan. 25, 88.83; Apr. 14, 88.58; July 14, 88.61; Oct. 12, 89.47.

Wichita County

16-35-20cc. F. F. Miller. Drilled irrigation water-table well in Ogallala formation, diameter 18 inches, depth 189 feet. Highest water level 103.24 below lsd, May 7, 1951; lowest 119.99 below lsd, Oct. 6, 1955. Records available: 1951, 1953-55. Feb. 7, 106.92; Apr. 14, 112.36; June 9, 109.39; Oct. 6, 119.99; Dec. 12, 109.60.

16-37-13bb. C. Pearson. Drilled irrigation water-table well in Ogallala formation, depth 143 feet. Highest water level 77.65 below lsd, June 14, 1951; lowest 91.93 below lsd, Oct. 6, 1955. Records available: 1951, 1953-55. Feb. 7, 78.90; Apr. 14, 78.86; June 9, 80.16; Oct. 6, 91.93; Dec. 12, 80.09.

18-35-14bb. A. C. Felt. Drilled domestic observation water-table well in Ogallala formation, diameter 5 inches, depth 95 feet. Highest water level 81.33 below lsd, Aug. 11, 1949; lowest 83.88 below lsd, Dec. 12, 1955. Records available: 1947-55. Feb. 7, 83.25; Apr. 14, 83.39; June 9, 83.47; Aug. 9, 83.55; Oct. 6, 83.68; Dec. 12, 83.88.

20-36-14dad. Elmer Hartman. Drilled observation water-table well in Ogallala formation, diameter 6 inches, depth 116 feet. Highest water level 93.97 below lsd, Oct. 6, 1955; lowest 97.35 below lsd, Apr. 26, 1950. Records available: 1947-55. Feb. 7, 94.00; Apr. 14, 94.40; June 9, 94.38; Aug. 9, 94.33; Oct. 6, 93.97; Dec. 12, 94.51.

Woodson County

25-16-11ddd. John Yohon. Dug unused water-table well in Stanton limestone, diameter 5 feet, depth 20 feet, cribbed with rock. Highest water level 4.36 below lsd, Aug. 2, 1951; lowest 9.72 below lsd, Dec. 29, 1950. Records available: 1948-52. Measurement discontinued.

Wyandotte County

101. U. S. Geol. Survey. $NW\frac{1}{4}SW\frac{1}{4}NW\frac{1}{4}$ sec. 23, T. 11 S., R. 25 E. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 98 feet. Highest water level 25.02 below lsd, July 11, 1945; lowest 44.55 below lsd, Dec. 31, 1948. Records available: 1944-48, 1950-55. Dec. 29, 40.19.

MINNESOTA

By G. C. Straka and Robert Schneider

Scope of Water-Level Program

The observation-well program in Minnesota was continued in 1955 in cooperation with the Division of Waters of the State Department of Conservation, the Iron Range Resources and Rehabilitation Commission, and the Board of County Commissioners of Hennepin County. Measurements were made in 29 wells, 13 of which were equipped with recording gages. Figures 14-18 show the location of observation wells in the State.

Precipitation

The average precipitation in Minnesota for 1955, as reported by the U. S. Weather Bureau, was 24.88 inches, or 0.32 inch below the average. The least amount of precipitation was recorded in the southwest, and the greatest amount in the northeast at Duluth. The wettest month was July and the driest was January.

Interpretation of Water-Level Fluctuations

There was a net decline in 1955 in most of the water-table wells unaffected by pumping. The maximum decline was 7.16 feet in Brown County well 108.30.9add. The lowering was caused by the deficiency of precipitation coupled with high evaporation and transpiration rates produced by the above-normal temperatures which prevailed during the summer.

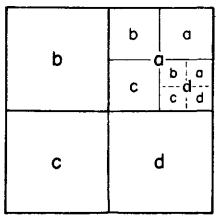
As a result of increased pumping during the summer in the Minneapolis area, several wells in the Upper Cambrian and Lower Ordovician sandstones reached new low levels.

Acknowledgments

S. O. Hanson, Cloquet, made the measurements in well B49.17.23.caa, Carlton County.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first segment of a well number indicates the township, the second the range, and the third the section in which the well is situated. The lowercase letters, a, b, c, and d, after the section number locate the well within the section. The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. The letters are assigned in a counterclockwise direction, beginning in the northeast quarter. If the location is known within a 10-acre tract, three lowercase letters are shown in the well number. When more than one well is situated in the smallest significant tract, consecutive numbers beginning with 1 are added as suffixes. Well numbers preceded by the capital letter B designate wells in the northwest quadrant of the fourth principal meridian and base line system. Well numbers not preceded by a capital letter designate wells in the northwest quadrant of the fifth principal meridian and base line system.



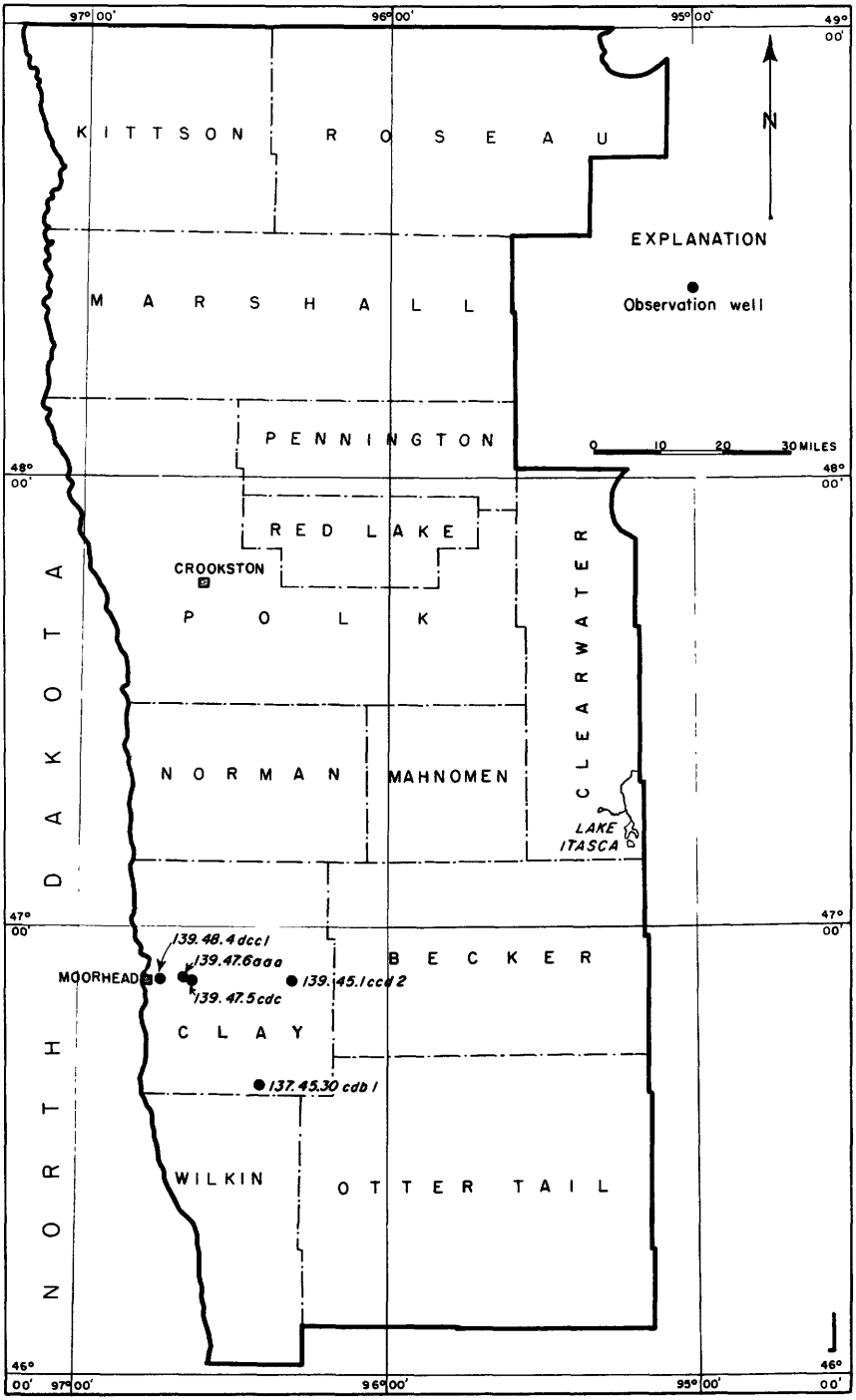


Figure 14.--Location of observation wells in Clay County, Minn., 1955.

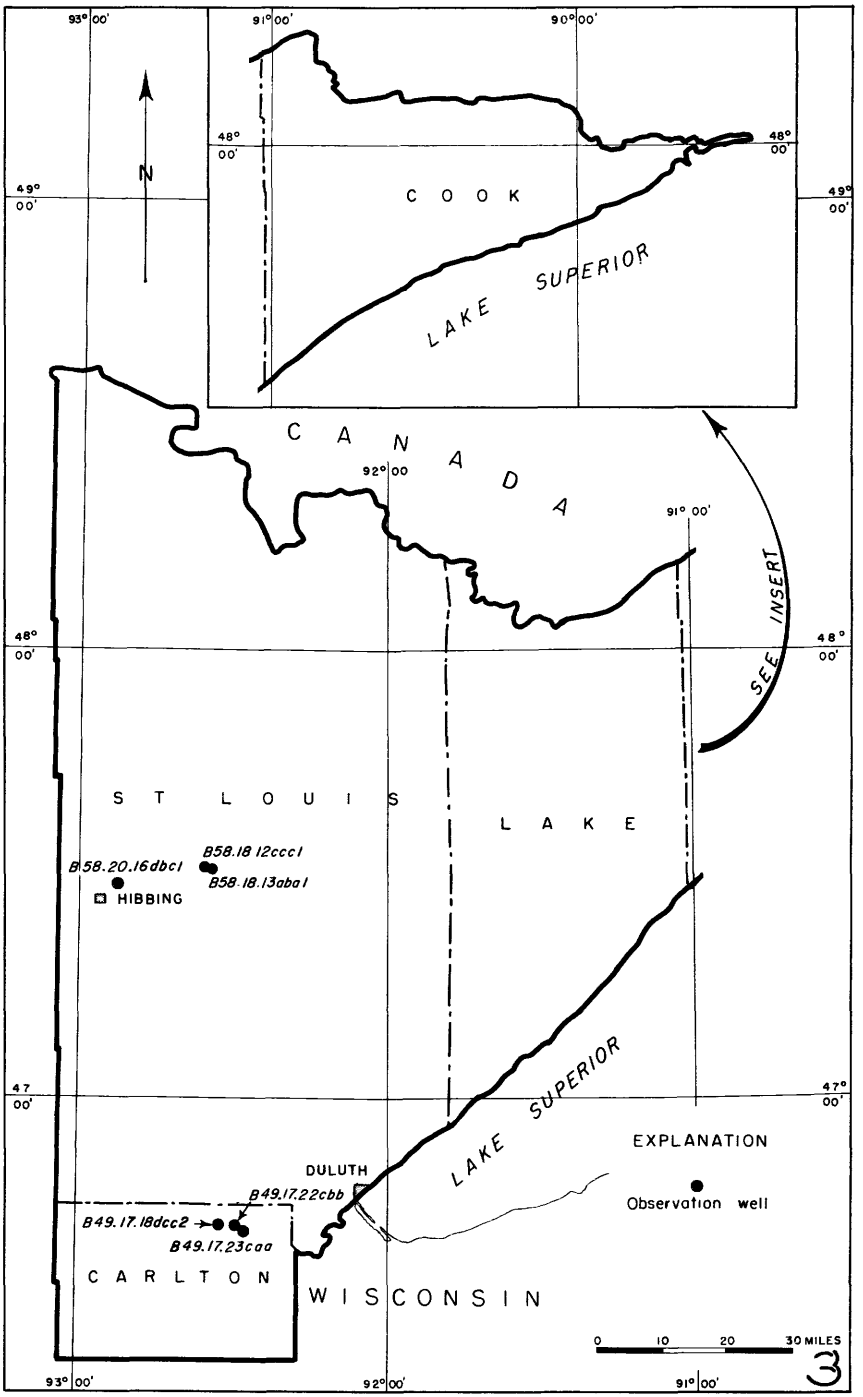


Figure 15.--Location of observation wells in Carlton and St. Louis Counties, Minn., 1955.

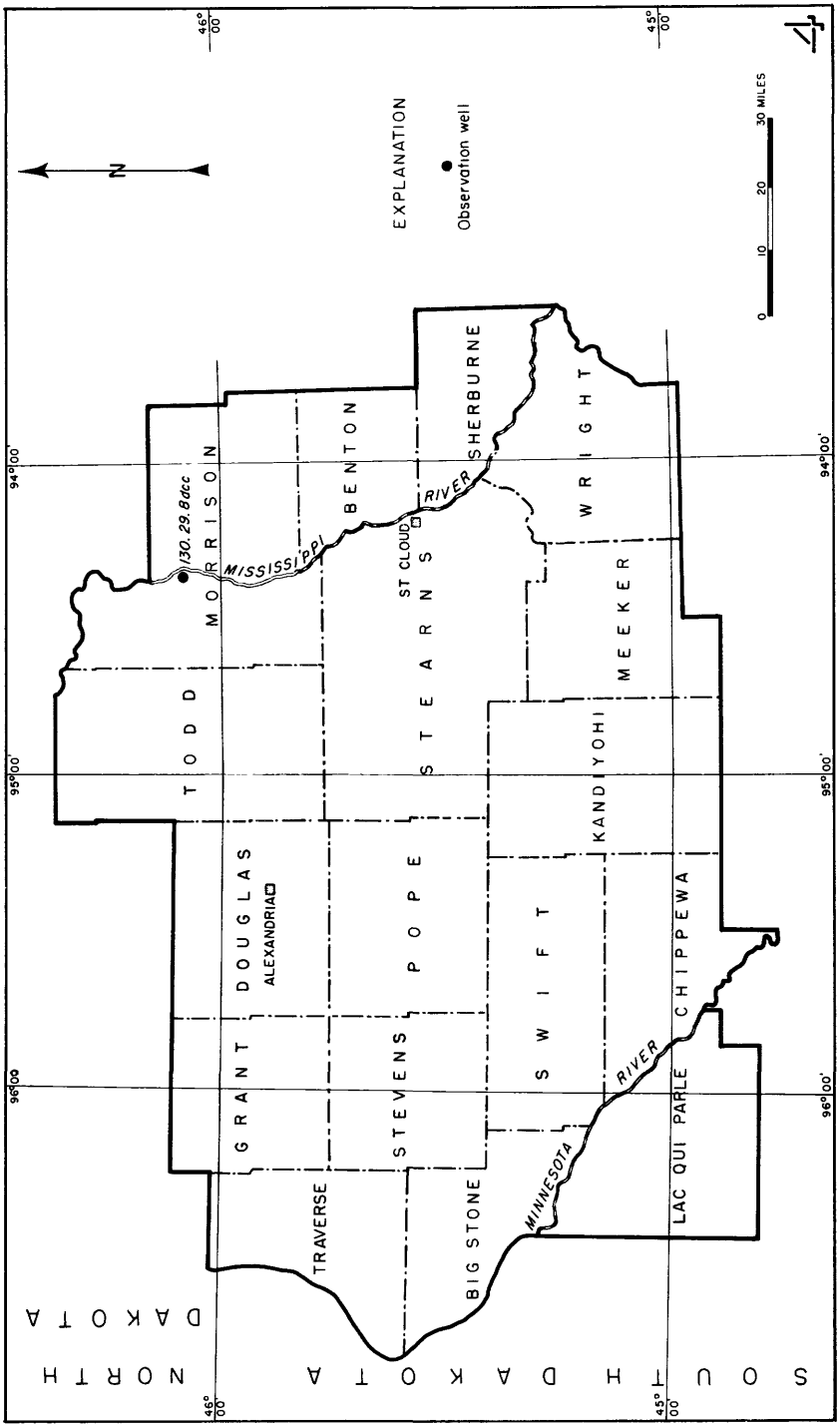


Figure 16.--Location of observation well in Morrison County, Minn., 1955.

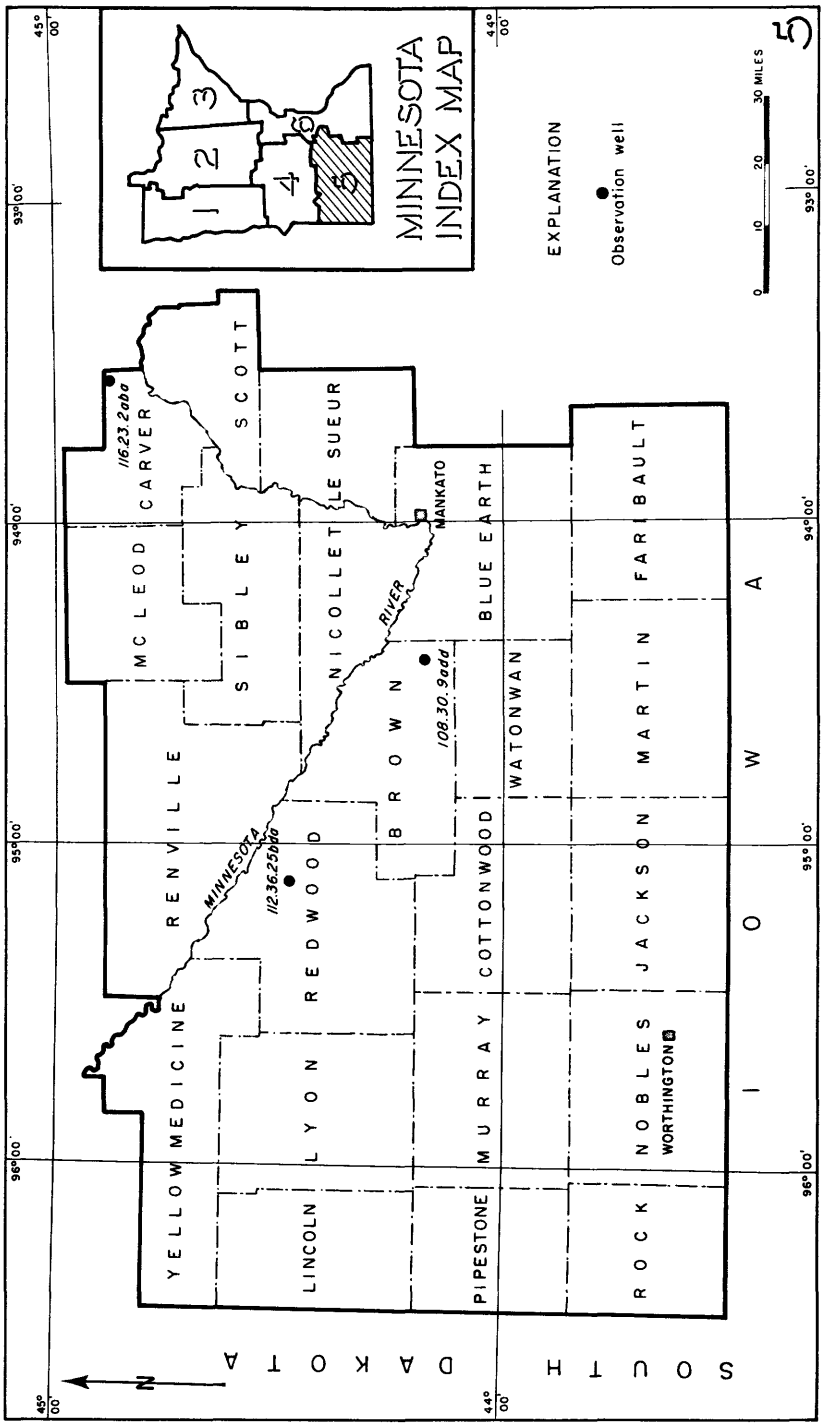


Figure 17.--Location of observation wells in Brown, Carver, and Redwood Counties, Minn., 1955.

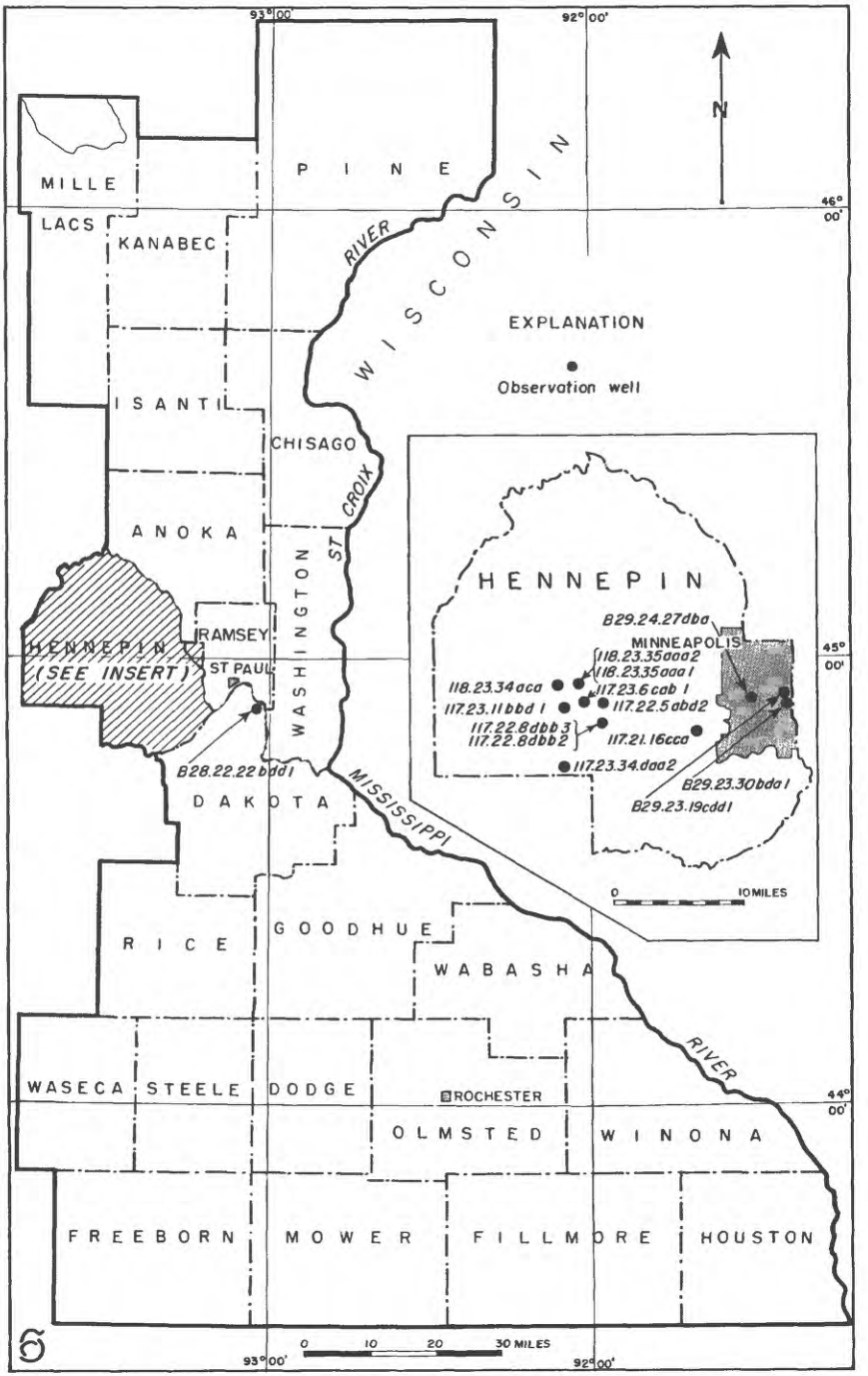


Figure 18.--Location of observation wells in Dakota and Hennepin Counties, Minn., 1955.

Well Descriptions and Water-Level Measurements

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

Brown County

108.30.9add. Erwin Kjelshus. Drilled unused water-table well in glacial drift, diameter 16 inches, depth 32 feet. Highest water level 2.70 below lsd, May 2, 1951; lowest 16.41 below lsd, Dec. 28, 1955. Records available: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	9.25	Apr. 13	6.77	July 8	9.28	Oct. 6	13.50
12	9.35	19	6.77	15	8.45	14	13.99
17	9.40	27	6.56	21	8.52	21	14.45
25	9.73	May 5	6.79	28	7.22	Nov. 5	15.00
Feb. 2	10.07	12	6.94	Aug. 4	9.55	10	15.50
21	10.68	19	7.30	10	9.80	16	15.57
Mar. 1	10.95	25	7.72	22	10.58	28	15.72
9	9.60	June 2	8.06	30	10.06	Dec. 5	15.92
16	7.53	8	8.12	Sept. 8	10.24	13	16.02
23	7.05	15	8.24	15	11.00	19	16.35
31	6.70	23	8.46	22	12.03	28	16.41
Apr. 6	6.72	29	8.80	29	12.95		

Carlton County

B49.17.18dcc2. Andrew H. Ketola. Dug unused water-table well in glacial gravel, diameter 4 feet, depth 14 feet. Highest water level 4.95 below lsd, Nov. 23, 1955; lowest 10.38 below lsd, Feb. 27, 1949. Records available: 1949-55.

Jan. 5	7.97	Apr. 6	8.80	July 8	5.57	Oct. 5	5.54
12	8.10	13	5.02	15	6.37	12	5.75
20	8.26	20	5.48	21	6.60	19	6.36
27	8.45	27	5.57	27	6.86	26	6.24
Feb. 2	8.60	May 5	5.53	Aug. 4	5.50	Nov. 2	5.54
9	8.74	11	5.80	10	5.68	9	5.52
16	8.82	18	6.28	17	7.05	16	5.40
23	9.02	25	6.72	24	6.77	23	4.95
Mar. 2	9.07	June 1	5.70	31	7.30	30	5.58
9	9.10	8	5.45	Sept. 7	7.95	Dec. 7	5.66
16	9.03	15	5.46	14	6.30	14	5.94
24	9.01	22	5.87	21	6.03	21	6.12
30	8.88	29	6.82	28	5.40	28	6.25

B49.17.22cbb. U. S. Bureau of Indian Affairs. Drilled unused water-table well in glacial drift, diameter 5 inches, depth 85 feet. Highest water level 30.43 below lsd, Oct. 10, 17, 1953; lowest 38.17 below lsd, Apr. 8, 1950. Records available: 1949-55.

Jan. 8	32.85	Apr. 9	33.23	July 9	34.33	Oct. 1	34.77
15	32.89	16	32.58	16	34.39	8	34.73
22	33.32	23	33.39	22	34.09	14	34.88
29	32.96	29	33.68	30	34.39	22	34.93
Feb. 5	33.03	May 7	33.99	Aug. 5	34.28	Nov. 5	34.89
12	33.23	14	33.94	12	34.43	12	34.92
19	33.31	21	34.09	19	34.34	18	35.03
26	33.33	28	34.04	27	34.58	Dec. 3	34.99
Mar. 5	33.41	June 3	33.82	Sept. 2	34.57	10	35.13
12	33.42	10	33.99	10	34.69	17	34.93
18	33.45	18	34.07	17	34.69	23	34.99
25	33.31	25	34.23	24	34.68	30	35.07
Apr. 2	33.31	July 1	34.43				

B49.17.23caa. City of Cloquet. Drilled unused water-table well in glacial sand and gravel, diameter 12 inches, depth 51 feet, screen 26-46. Highest water level 4.66 below lsd, Aug. 17, 1953; lowest 10.83 below lsd, Feb. 7, 1950. Records available: 1948-55.

B49.17.23caa--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	7.04	Mar. 28	7.75	June 22	6.83	Oct. 17	6.94
10	7.15	Apr. 4	6.55	27	6.98	24	7.10
17	7.24	11	6.29	July 5	6.39	31	7.07
24	7.30	18	6.27	11	6.66	Nov. 7	7.05
31	7.32	25	6.55	19	6.93	15	7.07
Feb. 7	7.46	May 2	6.74	25	6.82	21	7.26
14	7.50	9	5.07	Aug. 15	6.56	28	7.36
21	7.60	16	7.14	22	6.55	Dec. 5	7.50
28	7.62	23	7.24	29	6.67	12	7.60
Mar. 7	7.70	31	7.17	Sept. 12	7.10	19	7.75
14	7.54	June 7	6.73	19	6.67	27	7.77
21	7.66	13	6.70	Oct. 10	6.74		

Carver County

116.23.2aba. Hennepin County Highway Department. Drilled artesian well in sandstones of Late Cambrian and Early Ordovician age, diameter 24 inches, depth 473 feet, cased to 191. Highest water level 45.30 below lsd, Nov. 27, 1954; lowest 52.35 below lsd, Aug. 7, 1954. Records available: 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	46.08	Apr. 2	46.05	June 24	48.71	Sept. 10	49.09
15	45.75	9	46.09	July 1	48.92	17	48.88
22	45.77	16	46.12	8	48.35	24	49.18
29	46.06	23	46.05	15	48.14	Oct. 1	48.66
Feb. 5	45.87	30	46.61	22	48.39	11	47.73
12	46.47	May 7	47.03	29	48.87	27	47.75
19	45.96	14	47.54	Aug. 8	48.99	Nov. 3	48.13
26	46.21	21	48.29	12	48.82	10	47.31
Mar. 5	46.24	28	48.13	19	49.31	17	47.95
12	45.87	June 4	47.78	26	49.19	Dec. 22	47.32
19	45.94	11	47.60	31	48.98	29	47.42
26	46.28	18	48.02	Sept. 5	48.86		

Clay County

137.45.30cdb1. City of Barnesville. Drilled unused water-table well in glacial drift, diameter 10 inches, depth 73 feet. Highest water level 3.16 below lsd, June 20, 1953; lowest 7.41 below lsd, Oct. 25, 27, 1949. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	6.45	Apr. 9	6.04	July 16	4.54	Oct. 15	6.29
15	6.52	23	5.88	23	4.78	22	6.38
22	6.58	30	5.76	30	5.29	29	6.44
29	6.62	May 7	5.77	Aug. 6	5.24	Nov. 6	6.45
Feb. 5	6.52	14	5.91	13	5.47	12	6.47
12	6.60	21	6.01	20	5.73	19	6.45
19	6.64	28	5.99	27	5.53	26	6.46
26	6.62	June 4	5.79	Sept. 3	5.82	Dec. 3	6.34
Mar. 5	6.66	11	5.36	10	6.02	10	6.33
12	6.68	18	5.52	17	5.98	17	6.31
19	6.52	25	5.72	24	6.19	24	6.34
26	6.52	July 2	5.94	Oct. 1	6.24	31	6.36
Apr. 2	6.02	9	5.42	8	6.26		

139.45.1ccd2. Village of Hawley. Drilled unused water-table well in glacial drift, diameter 10 inches, depth 122 feet. Highest water level 12.09 below lsd, Aug. 6, 1955; lowest 18.61 below lsd, Dec. 24, 1954. Records available: 1949-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.70	.....	.....	15.62	15.74	16.36	17.08	16.41	16.23	16.32	16.19	16.47
2	16.66	.....	.....	15.74	16.26	16.50	17.05	15.92	16.28	15.95	16.33	16.70
3	16.94	17.14	.....	14.98	16.09	16.12	16.53	15.18	16.59	16.21	16.37	16.74
4	16.70	17.71	.....	15.11	16.02	16.06	15.88	13.84	16.19	15.87	16.16	16.30
5	16.89	17.81	.....	14.70	16.13	15.80	16.04	13.20	16.25	16.31	16.35	16.50
6	17.11	17.83	.....	14.85	16.08	16.22	15.97	13.17	16.72	16.11	16.01	16.50
7	16.95	17.96	.....	15.33	16.26	16.24	15.57	12.96	16.76	16.08	16.33	16.63
8	16.89	17.89	.....	15.56	15.87	16.14	15.43	13.59	16.73	16.24	16.43	16.31
9	16.84	17.99	17.17	15.82	16.33	16.09	15.26	13.68	16.27	15.94	16.36	16.58
10	18.11	.....	16.80	15.21	16.26	16.18	14.88	13.48	16.12	16.11	15.92	16.43

139. 45. 1ccd2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	16.99	.....	17.02	15.37	16.27	16.20	15.37	13.82	15.85	16.16	16.16	16.29
12	18.02	.....	16.73	15.56	16.43	16.73	17.02	13.91	16.17	16.27	16.24	16.57
13	17.18	.....	16.59	15.77	16.48	16.17	14.97	14.03	16.11	16.20	15.90	16.33
14	17.18	.....	17.27	15.83	16.44	16.28	14.86	13.82	16.08	16.33	16.38	16.67
15	17.31	.....	17.18	15.84	16.12	16.43	16.42	14.38	16.31	16.32	16.17	16.35
16	16.76	.....	16.79	16.06	16.93	16.49	16.36	14.40	16.23	16.02	16.48	16.58
17	17.42	.....	17.27	15.61	17.16	16.50	14.79	14.18	16.50	16.19	16.34	16.63
18	16.96	.....	17.09	15.80	17.32	16.31	15.22	15.27	15.85	16.19	16.45	.....
19	17.30	.....	17.26	15.83	17.29	15.95	15.27	16.45	15.98	16.10	16.35	.....
20	17.08	.....	16.58	16.17	17.27	16.37	15.44	14.88	15.92	16.31	16.23	.....
21	17.27	.....	17.23	15.75	17.03	16.18	15.55	14.63	16.48	16.28	.....	.....
22	17.25	.....	17.09	15.85	16.65	16.28	15.74	15.13	16.19	16.15	.....	16.48
23	16.67	.....	17.21	16.09	16.80	16.34	15.76	15.15	15.80	15.95	.....	16.64
24	17.29	.....	.....	15.77	16.81	16.44	15.33	15.36	16.36	16.26	.....	16.40
25	17.28	.....	.....	16.38	16.64	16.56	15.83	15.01	15.82	16.30	.....	16.28
26	17.11	.....	.....	16.31	16.30	16.03	15.87	15.34	16.23	16.32	.....	16.25
27	.....	.....	.....	16.47	16.30	16.64	15.94	15.48	15.92	16.19	.....	18.09
28	.....	.....	.....	16.12	16.19	16.72	16.02	15.16	16.09	16.25	.....	16.50
29	.....		.....	15.99	15.80	17.83	16.24	15.50	16.18	16.11	.....	.....
30	.....		.....	16.07	15.87	17.54	16.31	15.61	16.09	15.88	16.63	.....
31	.....		.....		16.37		15.86	16.27		16.40		.....

139. 47. 5cdc. City of Moorhead. Drilled test observation water-table well in glacial sand and gravel, diameter 8 inches, depth 131 feet, casing slotted 91-107. Highest water level 12.19 below lsd, July 15, 1947; lowest 27.23 below lsd, Sept. 8, 1955. Records available: 1947-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25.01	24.75	24.85	24.88	25.46	25.75	26.45	26.12	26.78	26.59	26.59	26.41
2	24.92	24.72	24.79	24.85	25.51	25.86	26.41	26.18	26.74	26.59	26.53	26.41
3	25.03	24.78	24.87	24.80	25.57	25.93	26.21	26.25	26.82	26.45	26.45	26.42
4	25.03	24.68	24.83	24.74	25.58	25.96	25.99	26.27	26.84	26.47	26.44	26.34
5	25.08	24.75	24.83	24.79	25.59	25.91	26.13	26.30	26.74	26.57	26.44	26.37
6	25.14	24.75	24.76	24.74	25.66	25.84	26.21	26.26	26.74	26.57	26.39	26.40
7	25.15	24.72	24.78	24.76	25.60	25.96	26.26	26.22	26.79	26.55	26.34	26.45
8	25.20	24.64	24.78	24.76	25.51	25.94	26.27	26.08	27.23	26.55	26.30	26.46
9	25.15	24.80	24.82	24.75	25.64	25.83	26.25	26.15	27.00	26.43	26.27	26.44
10	25.19	24.71	24.86	24.76	25.69	25.82	26.16	26.15	26.80	26.47	26.28	26.43
11	25.26	24.77	24.92	24.73	25.72	25.76	26.03	26.18	26.52	26.56	26.34	26.46
12	25.25	24.69	24.89	24.74	25.84	25.66	26.05	26.23	26.42	26.59	26.36	26.36
13	25.08	24.69	24.92	24.89	25.88	25.82	26.02	26.26	26.49	26.58	26.34	26.34
14	25.05	24.70	24.87	24.95	25.93	25.96	25.98	26.26	26.53	26.55	26.30	26.36
15	25.06	24.79	24.88	24.97	26.02	26.02	.....	26.27	26.62	26.53	26.34	26.35
16	25.01	24.73	24.90	25.12	26.03	26.12	h25.87	26.34	26.64	26.51	26.33	26.36
17	25.00	24.76	24.87	25.11	25.97	26.18	25.83	26.43	26.75	26.49	26.35	26.39
18	24.92	24.77	24.87	25.02	26.08	26.19	25.91	26.49	26.82	26.51	26.35	26.42
19	24.94	24.78	24.95	25.02	26.18	26.04	25.93	26.51	26.82	26.50	26.31	26.40
20	24.82	24.79	24.92	25.04	26.24	26.00	26.00	26.47	26.80	26.59	26.36	26.37
21	24.85	h24.64	24.85	25.11	26.25	26.13	26.01	26.45	26.59	26.60	26.31	26.38
22	24.76	24.74	24.81	25.10	26.28	26.22	26.07	26.38	26.50	26.65	26.30	26.35
23	24.70	24.81	24.90	25.16	26.30	26.22	26.08	26.37	26.47	26.66	26.34	26.40
24	24.72	24.76	24.91	25.16	26.05	26.16	26.00	26.46	26.47	26.48	26.32	26.48
25	24.77	24.80	24.91	25.19	26.03	26.20	26.06	26.48	26.35	26.53	26.26	26.44
26	24.78	24.80	24.88	25.25	25.83	26.20	26.07	26.40	26.28	26.59	26.39	26.26
27	24.80	24.76	24.85	25.39	25.86	26.21	26.08	26.41	26.34	26.61	26.40	26.36
28	24.68	24.75	24.84	25.39	25.79	26.29	26.08	26.42	26.32	26.58	26.36	26.44
29	24.72		24.91	25.44	25.80	26.35	26.10	26.67	26.50	26.53	26.38	26.45
30	24.68		24.91	25.45	25.72	26.43	26.15	27.07	26.52	26.49	26.39	26.45
31	24.70		24.89		25.75		26.16	26.88		26.52		26.42

h Tape measurement.

139. 47. 6aaa. U. S. Geol. Survey. Drilled test observation water-table well in glacial gravel, diameter 3 inches, depth 103 feet, casing slotted near bottom of well. Highest water level 16.94 below lsd, July 16, 1949; lowest 24.25 below lsd, Dec. 31, 1955. Records available: 1949-55.

139.47.6aaa--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	23.20	Apr. 10	23.37	July 10	23.87	Oct. 9	24.10
9	23.22	17	23.42	16	23.75	17	24.12
16	23.25	24	23.43	24	23.63	22	24.14
23	23.26	May 1	23.47	31	23.66	29	24.18
30	23.12	8	23.52	Aug. 8	23.75	Nov. 5	24.20
Feb. 6	23.28	16	23.57	14	23.76	12	24.20
13	23.29	21	23.64	21	23.84	19	24.18
21	23.31	29	23.60	28	23.89	26	23.74
27	23.25	June 5	23.71	Sept. 4	23.93	Dec. 3	23.90
Mar. 6	23.33	12	23.72	11	23.96	10	24.00
13	23.36	19	23.78	18	24.00	17	24.12
20	23.40	26	23.82	25	24.02	24	24.19
27	23.40	July 2	23.85	Oct. 2	24.06	31	24.25
Apr. 3	23.39						

139.48.4dcc1. City of Moorhead. Drilled unused artesian well in glacial sand, diameter 20 inches, depth 242 feet. Highest water level 164.19 below lsd, Mar. 10, 1955; lowest 187.50 below lsd, Aug. 29, 1948. Records available: 1947-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	165.70	165.97	165.60	.....	166.49	168.04	168.26	168.17	169.06	.....	.....	.....
2	165.80	166.16	165.58	.....	166.23	167.59	167.97	168.32	168.85	h168.24	.....	.....
3	166.01	166.40	165.55	h165.82	166.24	167.51	168.00	167.75	169.03	.....	.....	h167.15
4	165.91	165.95	165.65	166.23	166.77	167.33	167.87	168.30	169.33	.....	.....	.....
5	165.96	165.65	165.85	166.46	167.05	167.23	167.93	168.27	169.22	.....	h167.41	.....
6	166.14	165.69	165.66	166.58	167.11	167.28	167.92	168.39	169.58	.....	.....	.....
7	165.61	165.57	165.43	166.71	167.45	167.49	167.68	168.52	169.64	.....	.....	.....
8	165.20	165.32	165.11	166.44	167.30	167.47	167.60	h167.76	169.62	.....	.....	.....
9	165.74	166.05	165.16	166.63	167.08	167.39	167.88	167.82	169.46	h167.91	.....	.....
10	165.58	166.41	165.14	166.65	167.35	167.38	h167.45	168.30	169.53	.....	.....	h167.47
11	165.43	166.37	165.37	166.57	167.44	167.21	167.5	168.21	169.38	.....	.....	.....
12	165.62	166.37	165.58	166.92	167.69	h167.23	167.5	168.23	169.33	.....	h167.39	.....
13	165.75	165.67	165.89	167.0	168.0	.....	168.0	168.31	169.06	.....	.....	.....
14	165.23	165.68	165.92	167.0	168.16	.....	168.0	168.45	169.35	.....	.....	.....
15	165.72	165.69	166.30	167.0	.....	.....	168.0	168.67	169.34	.....	.....	.....
16	165.83	165.70	166.37	167.0	h168.22	.....	167.82	168.68	169.08	.....	.....	.....
17	166.20	165.48	166.36	166.61	168.34	.....	167.96	168.83	169.22	h168.09	.....	h167.17
18	166.18	165.67	165.96	166.42	168.52	.....	168.14	169.03	169.80	.....	.....	.....
19	166.17	165.80	166.07	166.46	168.75	h167.07	168.20	.....	169.83	.....	h167.65	.....
20	166.03	.....	166.09	166.03	168.85	167.61	168.19	.....	169.87	.....	.....	.....
21	165.43	h165.56	166.07	166.11	168.85	167.75	168.17	.....	169.23	.....	.....	.....
22	165.57	165.67	165.41	166.02	168.82	167.59	168.00	h168.98	.....	h167.60	.....	.....
23	165.58	166.58	166.03	166.13	168.87	167.73	.....	169.33	.....	.....	.....	.....
24	165.47	166.11	166.20	166.20	168.89	167.39	h167.03	169.35	.....	.....	.....	h167.50
25	165.72	165.68	165.96	166.42	168.97	167.65	167.66	169.42	h169.39	.....	.....	.....
26	166.27	166.02	166.26	166.13	168.29	167.78	168.22	169.04	.....	.....	h167.15	.....
27	166.18	165.89	166.04	166.09	167.92	167.77	167.92	168.77	.....	.....	.....	.....
28	166.13	165.18	165.91	166.07	167.74	167.92	167.80	168.47	.....	.....	.....	.....
29	165.91		166.03	166.40	168.04	167.98	167.68	168.85	.....	h167.58	.....	.....
30	166.20		165.70	166.47	167.88	168.05	167.48	168.55	.....	.....	.....	.....
31	165.66		.....		167.97		167.68	169.02		.....		h166.85

h Tape measurement.

Dakota County

B28.22.22bdd1. Chicago & Great Western Ry. Co. Drilled unused artesian well in Jordan sandstone, diameter 10 inches, reported depth 300 feet. Highest water level 8.00 below lsd, Apr. 14, 1952; lowest 18.19 below lsd, Feb. 1, 1952. Records available: 1951-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.34	14.77	14.76	15.28	15.22	16.29	17.00	.....	16.20	15.54	15.52	15.44
2	14.23	14.80	14.78	15.12	15.83	16.25	16.80	.....	16.18	15.52	15.63	15.52
3	14.67	14.70	14.85	14.88	16.07	16.17	15.97	.....	16.00	15.63	15.58	15.41
4	14.68	14.62	14.93	14.77	15.98	15.56	15.95	.....	15.95	15.78	15.55	15.13
5	14.77	14.50	14.49	14.69	15.98	15.40	16.55	.....	16.00	15.69	15.35	15.37

B28.22.22bdd1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	14.88	14.40	14.32	14.62	15.68	15.61	16.95	.....	16.23	15.82	15.21	15.48
7	14.73	14.57	14.67	14.64	15.45	15.67	16.79	h15.03	16.38	15.75	15.34	15.57
8	14.47	14.63	14.68	14.71	15.65	15.63	16.40	15.95	16.37	15.68	15.34	15.68
9	14.33	15.18	14.91	14.35	15.68	15.53	15.90	16.05	16.31	15.52	15.36	15.78
10	14.63	15.52	14.90	14.44	15.73	15.56	15.62	16.05	16.13	15.69	15.45	15.78
11	14.74	15.13	14.81	14.68	15.77	15.46	.....	16.00	15.95	15.73	15.44	15.65
12	14.77	14.72	14.55	14.77	16.02	15.23	.....	16.05	16.19	15.76	15.37	15.85
13	14.87	14.48	14.55	14.85	16.20	15.52	.....	15.91	16.13	15.61	15.16	15.96
14	14.78	14.82	14.89	15.02	16.23	15.71	.....	15.83	16.55	15.55	15.26	16.02
15	14.53	14.77	15.13	15.07	16.41	16.08	.....	16.33	16.60	15.53	15.32	16.02
16	14.32	14.87	15.26	15.02	16.63	16.29	.....	16.61	16.69	15.44	15.42	15.99
17	14.66	14.86	15.22	14.97	16.68	16.41	.....	16.86	16.35	15.53	15.54	15.88
18	14.80	14.80	15.29	15.02	16.93	16.00	.....	17.34	16.07	15.67	15.55	15.78
19	14.78	14.53	15.11	15.08	17.26	15.51	.....	17.62	16.41	15.70	15.50	15.90
20	14.82	14.42	15.01	15.25	17.45	15.75	.....	17.32	16.40	15.81	15.24	16.00
21	14.73	14.67	15.19	15.27	17.26	15.81	.....	16.63	16.11	15.89	15.38	15.98
22	14.41	14.51	15.36	15.34	17.07	15.81	.....	16.9	16.16	15.67	15.52	16.06
23	14.47	14.75	15.38	15.22	17.29	16.00	.....	16.84	16.12	15.49	15.56	16.00
24	14.62	14.82	15.37	14.88	17.15	16.06	.....	16.68	15.83	15.61	15.25	15.92
25	14.77	14.76	15.42	15.23	17.31	16.20	.....	16.60	15.53	15.65	15.25	15.83
26	14.85	14.70	15.11	15.33	16.88	16.12	.....	16.50	15.73	15.76	15.15	15.64
27	14.78	14.50	15.03	15.32	16.65	16.56	.....	16.15	15.72	15.80	15.07	15.85
28	14.78	14.62	15.23	15.37	16.35	16.46	.....	15.92	15.89	15.80	15.24	16.03
29	14.69		15.27	15.42	16.03	16.46	.....	16.32	15.87	15.58	15.40	16.08
30	14.53		15.27	15.38	16.03	16.98	.....	16.30	15.82	15.33	15.50	16.07
31	14.61		15.33		16.39		.....	16.20		15.41		15.92

h Tape measurement.

Hennepin County

B29.23.19cdd1. Great Northern Ry. Co. Drilled unused artesian well in sandstones of late Precambrian and Late Cambrian age, diameter 8 to 6 inches, reported depth 1,016 feet, casing slotted 925-1,016. Highest water level 142.99 below lsd, Apr. 4, 1955; lowest 147.10 below lsd, Nov. 23, 1954. Records available: 1954-55. Nov. 23, 1954, 147.10; Dec. 21, 145.80; Jan. 4, 1955, 144.65; Feb. 17, 143.69; Apr. 4, 142.99; Apr. 21, 143.30.

B29.23.30bda1. Smith Welding & Equipment Co. 2633 Fourth St. SE., Minneapolis. Drilled unused artesian well in Jordan sandstone, diameter 8 inches, depth 445 feet, reported cased to 262. Highest water level 77.9 below lsd, Apr. 21, Dec. 26, 1952; lowest 121.8 below lsd, Aug. 19, 1955. Records available: 1952-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	91.8	95.6	97.0	103.6	97.1	111.9	117.6	117.2	119.0	112.3	104.0	105.4
2	86.3	96.7	100.1	102.4	108.2	113.4	116.3	120.7	118.3	109.0	104.4	104.1
3	92.2	97.2	99.6	95.2	111.2	114.5	112.2	121.7	114.9	109.4	106.1	103.2
4	92.1	97.5	101.2	100.4	112.8	112.3	99.3	121.1	106.5	112.7	105.8	101.3
5	96.0	96.4	99.7	.....	112.9	104.9	106.7	121.1	105.1	113.9	102.9	101.1
6	97.8	92.9	91.4	.....	113.8	109.4	109.2	119.3	113.5	114.8	101.3	104.1
7	99.6	94.8	95.4	103.4	110.6	112.8	110.7	115.9	115.7	114.0	104.5	104.6
8	98.1	96.6	97.3	103.4	102.0	112.6	109.7	113.3	116.9	112.2	103.5	105.7
9	93.6	100.6	98.8	99.9	104.4	111.9	108.2	116.0	117.4	106.0	104.5	105.5
10	95.5	100.2	100.5	93.0	108.3	112.4	103.2	117.6	116.3	111.1	104.7	103.1
11	97.5	101.0	100.2	101.0	110.4	112.1	111.7	118.6	107.5	113.2	105.8	98.0
12	97.7	96.4	98.5	104.2	111.0	103.0	114.7	119.0	112.6	112.6	105.4	101.4
13	99.5	92.2	92.7	105.4	113.0	108.0	115.2	118.6	114.5	113.1	102.4	103.2
14	99.1	95.7	96.5	.....	110.8	109.7	116.2	113.2	116.0	113.5	99.5	105.2
15	94.4	97.1	100.1	.....	106.0	111.6	117.2	117.8	117.3	111.5	104.4	104.8
16	90.9	98.9	102.9	103.8	112.2	113.1	114.2	119.1	118.8	104.0	104.2	103.8
17	94.8	98.8	101.7	97.7	112.5	112.4	110.2	120.4	117.1	106.1	102.1	102.6
18	98.2	98.8	101.6	102.5	113.6	111.4	116.7	121.6	112.6	109.0	104.8	101.0
19	99.0	97.4	99.7	104.9	115.0	108.4	120.2	121.8	116.3	109.0	104.5	101.8
20	99.0	93.6	93.3	105.2	116.2	110.2	121.2	119.7	116.6	.....	98.8	102.3
21	99.2	98.1	99.4	105.7	115.7	112.9	121.7	114.0	117.4	.....	100.0	102.5
22	97.6	98.0	101.0	105.4	110.1	113.1	121.7	118.1	117.7	.....	104.5	102.9
23	91.9	99.7	102.1	103.3	114.3	113.1	119.2	119.7	116.5	.....	107.5	101.2
24	93.6	98.4	103.1	98.3	114.9	114.7	113.2	120.3	115.4	.....	104.2	96.9
25	96.6	97.5	102.6	102.4	114.7	113.2	117.2	120.8	108.5	.....	103.3	88.1

B29.23.30bda1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	98.1	96.6	100.4	105.0	114.1	108.6	119.2	120.2	111.3	.....	103.3	87.3
27	97.6	91.0	93.4	106.2	114.2	110.8	119.7	118.8	112.0	.....	100.1	95.4
28	97.5	93.6	99.8	107.4	112.7	111.7	121.7	113.9	113.3	.....	100.9	97.9
29	96.5		101.5	107.7	103.7	114.9	121.7	117.8	113.5	.....	103.4	100.9
30	90.8		102.4	104.9	102.4	116.9	120.2	119.0	114.7	.....	105.1	101.2
31	92.5		102.6		109.8		115.2	118.3		.....		95.9

B29.24.27dba. City of Minneapolis. Drilled artesian well in sandstones of Late Cambrian and Early Ordovician age, diameter 20 inches, depth 823 feet, reported cased to 275. Highest water level 59.0 below lsd, Jan. 11, 12, Feb. 2, 1932; lowest 107 below lsd, Sept. 1, 1953. Records available: 1931-32, 1940-41, 1943-46, 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	79.40	Mar. 26	79.72	June 4	92.88	Oct. 27	94.55
15	79.55	Apr. 2	81.13	11	87.47	Nov. 3	90.94
22	79.10	9	82.98	18	95.22	10	89.21
29	79.10	16	84.04	24	95.83	17	89.36
Feb. 5	78.60	23	82.73	Sept. 5	95.79	24	87.30
19	78.95	30	87.04	10	97.77	Dec. 1	87.45
26	78.97	May 7	88.70	24	102.75	8	87.28
Mar. 5	78.96	14	94.33	Oct. 1	95.12	15	86.64
12	79.35	21	92.11	11	99.92	22	84.55
19	79.19	28	89.35	18	92.58	29	84.98

117.21.16cca. City of St. Louis Park. Drilled unused artesian well in Jordan sandstone, diameter 16 inches, depth 421 feet, reported cased to 280. Land-surface datum is 916.82 feet above msl. Highest water level 66.0 below lsd, Mar. 23, 1953; lowest 97.1 below lsd, Aug. 18, 1955. Records available: 1953-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	71.9	71.5	71.2	72.8	81.6	....	94.4	....	83.7	78.3	79.3	75.3
2	71.3	72.1	71.4	71.7	85.0	....	92.9	....	84.4	77.1	79.4	75.6
3	72.4	71.9	71.0	71.8	87.4	....	84.3	....	83.4	78.7	78.9	74.7
4	72.4	72.1	71.4	72.4	88.6	....	81.5	....	84.6	79.7	78.6	74.4
5	72.6	71.7	70.8	72.7	87.8	....	84.2	....	85.1	78.9	78.4	75.7
6	72.8	71.2	70.2	72.9	88.5	....	89.1	86.5	87.8	79.2	76.3	76.3
7	72.4	....	71.2	73.5	86.5	78.6	91.6	80.3	90.0	79.4	76.6	76.4
8	72.2	....	70.6	73.7	85.2	79.5	86.7	83.8	91.7	76.9	76.4	76.4
9	70.9	....	70.9	73.3	85.3	79.8	83.8	84.8	90.8	75.6	77.3	76.1
10	72.4	....	70.8	73.2	82.2	80.0	80.3	85.0	89.0	77.8	78.3	76.0
11	72.3	....	72.0	74.3	82.7	77.1	82.2	85.0	86.4	79.4	78.3	75.3
12	72.6	....	71.6	75.5	86.1	74.6	82.4	87.0	86.5	80.4	77.9	74.8
13	72.3	....	71.1	76.0	89.1	78.5	83.1	88.0	86.7	80.7	76.5	74.8
14	72.4	....	72.4	76.0	89.1	81.6	84.0	88.9	87.0	81.1	76.0	74.8
15	71.6	....	71.9	75.8	89.0	86.1	84.1	92.7	88.3	80.4	75.7	75.2
16	71.0	....	71.7	75.1	91.5	89.6	81.4	94.4	90.1	77.0	76.0	75.1
17	72.6	....	72.0	75.1	91.4	92.5	80.4	96.4	89.5	80.1	76.3	74.2
18	72.8	71.8	73.2	77.3	93.8	91.6	84.0	97.1	88.6	81.8	76.3	72.9
19	72.7	71.7	72.1	77.2	94.9	87.4	87.0	96.9	92.3	82.5	75.6	74.1
20	72.6	71.2	71.6	77.6	....	90.2	90.2	95.5	91.8	83.0	74.6	74.0
21	72.6	71.5	71.7	76.9	....	92.3	91.5	92.1	89.9	82.6	74.7	....
22	71.7	71.9	71.9	77.6	....	93.9	92.0	93.2	85.9	79.2	75.3	....
23	71.2	71.7	72.2	75.9	....	95.6	86.7	94.8	84.3	76.8	75.5	....
24	71.6	71.8	73.0	74.4	....	96.3	87.6	91.8	82.3	80.6	75.0	....
25	71.6	71.7	73.1	77.5	....	96.1	90.7	88.3	78.7	81.3	75.1	....
26	71.8	71.4	72.5	77.6	....	92.6	93.6	87.2	79.8	82.0	75.0	....
27	71.8	70.7	71.7	78.2	....	96.4	95.2	84.0	79.1	83.2	73.7	....
28	72.4	71.8	71.9	79.8	....	96.7	95.1	79.8	79.4	....	75.0	....
29	71.5		73.2	81.7	....	95.2	....	83.4	80.0	79.7	75.6	....
30	70.9		73.3	82.1	....	94.2	....	82.3	80.3	75.9	75.6	74.0
31	72.0		72.7		....		....	83.0		78.9		73.3

117.22.5abd2. Hennepin County Highway Department. Drilled test observation artesian well in sandstones of Late Cambrian and Early Ordovician age, diameter 6 inches, depth 483 feet, cased to 201. Land-surface datum is 942.79 feet above msl. Highest water level 38.51 below lsd, Nov. 23, 1954; lowest 47.63 below lsd, May 21, 1955. Records available: 1953-55.

117.22.5abd2--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	39.33	.....	39.73	39.81	40.97	43.76	46.55	47.13	44.66	43.4	42.78	.....
2	39.45	.....	39.97	39.48	41.30	43.36	46.34	47.50	44.53	43.27	42.77	.....
3	39.62	.....	39.68	39.59	41.44	43.13	45.67	47.09	44.03	43.00	43.0	.....
4	39.38	.....	39.76	39.51	42.08	43.09	45.69	47.18	44.33	42.70	42.91	.....
5	39.33	.....	39.75	39.26	42.65	42.53	45.26	47.38	44.85	42.37	42.37	.....
6	39.45	39.41	39.65	39.63	42.99	42.39	45.35	47.03	44.89	42.51	42.52	.....
7	39.11	39.47	39.77	39.77	43.80	42.32	45.18	46.17	44.85	42.40	42.73	.....
8	38.97	39.23	39.40	39.54	44.13	42.18	44.57	45.76	44.84	42.47	42.61	.....
9	39.20	39.35	39.54	39.36	43.76	42.15	44.35	45.63	44.89	42.20	42.17	.....
10	39.43	39.73	39.17	39.33	43.55	42.12	43.91	45.08	45.21	42.66	41.89	.....
11	39.34	39.99	39.50	39.36	43.31	41.93	43.91	44.99	45.13	42.66	42.22	.....
12	39.36	40.21	39.55	39.38	43.47	41.97	43.73	44.87	45.34	42.90	42.27	.....
13	39.32	39.84	39.47	39.43	44.07	41.97	43.64	45.51	45.34	42.69	42.34	.....
14	38.91	40.06	39.40	39.51	44.59	42.10	43.49	45.22	45.29	42.76	42.41	.....
15	39.33	39.91	39.44	39.75	44.80	42.36	43.20	45.97	45.49	42.47	42.00	.....
16	39.27	40.12	39.73	39.83	45.36	43.06	43.40	46.32	45.42	42.64	41.86	.....
17	39.57	39.90	39.53	39.92	√45.65	44.27	43.53	46.83	45.37	42.65	42.34	.....
18	39.59	39.84	39.48	39.69	.....	44.49	43.65	46.94	44.96	42.62	42.17	.....
19	39.60	39.49	39.24	39.86	.....	44.11	44.29	47.24	45.63	42.67	41.94	.....
20	39.28	39.29	39.29	39.85	46.99	43.94	.....	47.28	46.22	43.16	41.73	.....
21	39.03	39.71	39.37	40.07	47.63	44.34	45.22	46.81	45.72	43.23	.....	.....
22	39.24	39.71	39.09	39.96	.....	45.13	45.39	47.21	45.47	42.74	.....	39.62
23	39.20	39.85	39.28	39.67	.....	45.58	44.69	47.50	45.21	43.14	.....	39.55
24	39.46	40.0	39.6	39.61	.....	46.11	44.84	47.15	44.76	43.2	.....	39.67
25	39.68	39.60	39.58	40.04	.....	46.13	45.33	46.78	44.69	42.71	.....	39.82
26	40.04	39.71	39.60	40.02	.....	46.53	46.04	46.28	44.19	42.75	.....	39.75
27	39.94	39.48	39.77	39.86	45.55	47.08	46.29	45.7	43.88	42.59	.....	39.51
28	40.01	39.52	39.69	40.19	44.93	47.16	46.89	45.17	44.25	42.71	.....	39.50
29	.....		39.77	40.82	44.56	46.61	46.32	44.97	43.87	42.47	.....	39.75
30	.....		39.66	41.19	44.92	46.78	46.31	44.63	43.81	42.61	.....	39.55
31	.....		39.73		44.37		46.87	44.87		42.73		39.11

117.22.8dbb2. Hennepin County Highway Department. Drilled test observation artesian well in Jordan sandstone, diameter 6 inches, depth 503 feet, cased to 228. Land-surface datum is 931.62 feet above msl. Highest water level 20.47 below lsd, Apr. 11, 1955; lowest 29.72 below lsd, July 29, 1954. Records available: 1953-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	21.59	21.67	22.78	20.9	23.56	25.05	28.24	28.97	26.19	24.71	24.48	.....
2	21.69	21.79	22.14	20.73	23.75	24.86	27.62	29.10	25.74	24.55	24.52	.....
3	21.85	21.79	21.60	20.69	23.25	.....	27.56	.....	25.59	24.22	24.53	.....
4	21.79	21.71	21.62	20.66	23.95	.....	27.37	29.03	26.81	24.00	24.49	.....
5	21.82	21.39	21.68	20.68	24.33	24.80	26.98	.....	26.93	23.79	24.09	.....
6	21.91	21.46	21.63	20.79	24.06	24.31	26.64	28.85	26.93	23.83	24.03	.....
7	21.84	21.44	21.60	20.85	25.40	24.21	26.90	27.31	26.37	23.85	24.08	.....
8	21.69	21.26	21.38	20.78	26.36	24.1	26.31	26.74	26.40	23.85	24.03	.....
9	21.83	21.47	21.4	20.87	26.38	24.1	25.96	27.28	26.46	24.93	23.77	.....
10	21.84	22.68	21.30	20.85	24.95	24.08	25.70	26.28	26.50	25.13	23.58	.....
11	21.78	23.07	21.4	20.59	24.35	.....	25.51	26.00	27.71	25.22	23.86	.....
12	21.78	23.24	21.50	20.64	25.06	24.06	25.46	26.31	27.95	25.41	23.87	.....
13	21.83	23.15	21.29	20.65	26.35	23.86	25.36	27.62	27.65	24.33	23.89	.....
14	21.59	23.14	21.06	20.76	26.52	24.14	25.22	27.83	27.39	23.98	23.87	.....
15	21.78	23.09	21.07	20.83	26.74	25.66	25.16	27.84	27.46	24.50	23.53	.....
16	21.87	21.85	21.1	20.97	27.07	26.70	25.11	28.23	26.56	24.04	23.48	.....
17	21.99	22.74	21.03	21.03	26.36	27.23	24.99	28.88	26.20	23.90	23.78	.....
18	22.0	22.88	20.96	21.25	27.31	26.23	25.10	28.22	26.41	24.98	23.75	.....
19	21.9	22.02	21.01	21.31	27.58	25.64	25.88	28.35	27.39	25.45	23.53	.....
20	21.7	21.76	21.01	21.22	27.96	25.77	26.25	28.49	28.27	25.73	23.35	.....
21	21.42	21.97	20.89	21.35	.....	27.21	26.49	28.05	28.00	24.58	.....	.....
22	21.54	21.95	21.35	21.39	.....	27.78	26.65	28.27	26.67	25.37	.....	23.20
23	21.56	21.99	21.23	21.31	.....	27.87	26.10	28.95	26.23	25.63	.....	23.14
24	22.34	22.06	21.36	21.27	.....	27.44	26.00	29.28	25.92	24.62	.....	23.37
25	22.9	21.88	21.34	21.45	28.21	27.26	26.30	29.20	25.73	24.69	.....	23.38
26	23.25	21.92	21.32	21.49	27.58	27.72	27.01	28.92	25.87	24.00	.....	23.24
27	23.24	21.83	21.35	21.50	26.82	28.49	27.45	27.36	26.38	23.98	.....	23.09
28	23.33	22.57	21.26	21.76	26.50	28.89	28.35	26.86	26.4	24.21	.....	23.12
29	23.16		21.23	21.99	26.03	29.26	28.53	26.43	26.20	24.18	.....	23.19
30	22.14		21.17	22.22	25.65	29.42	28.81	26.86	24.94	24.09	.....	23.08
31	21.65		20.99		25.25		28.77	27.33		24.25		22.78

117.22.8dbb3. Hennepin County Highway Department. Drilled test observation water-table well in glacial sand, diameter 8 inches, depth 88 feet, cased to 88. Land-surface datum is 931.71 feet above msl. Highest water level 5.2 below lsd, Aug. 29, 1944; lowest 16.71 below lsd, Aug. 19, 1955. Records available: 1942-46, 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	13.28	Apr. 2	12.92	June 24	16.05	Sept. 10	16.46
15	13.34	9	12.94	July 1	16.28	17	16.36
22	13.29	16	12.89	8	15.65	24	16.29
29	13.82	23	13.03	15	15.17	Oct. 1	15.78
Feb. 5	13.19	30	13.39	22	15.57	11	15.85
12	13.73	May 7	14.23	29	16.25	18	15.60
19	13.51	14	14.92	Aug. 5	16.54	27	15.63
26	13.58	21	15.78	12	15.66	Nov. 3	15.83
Mar. 5	13.55	28	15.18	19	16.71	10	15.37
12	13.39	June 4	15.08	26	16.49	17	15.71
19	13.04	11	14.80	31	16.24	Dec. 22	15.53
26	13.23	18	15.47	Sept. 5	16.30	29	15.69

117.23.6cab1. City of Wayzata. Drilled artesian well in sandstones of Late Cambrian age, diameter 16 inches, reported depth 725 feet, reported cased to about 245. Highest water level 30.4 below lsd, Feb. 24, 1948; lowest 40.44 below lsd, June 24, 1955. Records available: 1937-39, 1942-46, 1948-55.

Jan. 8	31.85	Apr. 9	31.64	July 15	39.27	Sept. 17	36.44
15	32.08	23	32.92	22	40.34	24	36.03
22	31.83	30	32.83	29	37.32	Oct. 1	34.99
29	32.37	May 7	37.35	Aug. 8	36.50	11	34.02
Feb. 5	31.66	21	37.88	12	35.85	18	34.26
12	32.39	28	36.25	19	37.74	27	34.29
19	31.99	June 18	40.29	26	36.94	Nov. 3	34.45
Mar. 5	32.58	24	40.44	31	35.82	10	33.49
12	31.81	July 1	37.08	Sept. 5	37.07	Dec. 22	33.90
26	31.87	8	39.00	10	36.55	29	34.04
Apr. 2	31.66						

117.23.11bbd1. Minnetonka Boat Works. Formerly Oberg Boat and Supply Co. Orono. Drilled test observation artesian well in Jordan sandstone, diameter 6 inches, depth 437 feet, cased to 270. Land-surface datum is 930.81 feet above msl. Highest water level 14.05 below lsd, Apr. 30, 1954; lowest 20.8 below lsd, Aug. 6, 1942. Records available: 1942-46, 1948-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.70	.....	14.72	14.56	15.28	17.16	17.79	18.90	17.12	16.65	16.13	.....
2	14.75	.....	14.74	h14.47	.....	16.63	17.66	19.67	17.29	16.65	16.85	.....
3	14.77	.....	14.68	14.47	.....	16.24	17.33	19.67	17.26	16.52	.....	.....
4	14.74	.....	14.74	14.48	.....	16.11	17.35	18.83	17.44	16.39	16.35	.....
5	14.75	h14.67	14.80	14.54	.....	16.06	17.06	18.97	17.30	16.18	16.07	.....
6	h14.78	.....	14.80	14.56	.....	15.77	17.07	19.10	17.49	16.12	16.01	.....
7	.....	.....	14.80	14.57	.....	15.79	16.96	18.40	18.10	16.09	16.09	.....
8	h14.62	.....	14.64	14.49	17.50	15.71	16.60	17.73	18.77	16.12	16.09	.....
9	.....	.....	.....	14.49	16.70	15.60	16.56	18.04	18.80	16.03	15.91	.....
10	.....	.....	.....	14.48	16.22	15.62	16.48	17.74	18.49	15.97	16.23	.....
11	.....	.....	.....	14.42	16.04	15.52	16.37	17.40	17.88	16.04	16.06	.....
12	14.70	h14.92	h14.58	14.44	16.10	15.50	16.24	17.83	17.70	16.08	16.06	.....
13	14.73	.....	14.69	14.56	.....	15.61	16.09	18.79	17.94	16.15	16.11	.....
14	14.59	h14.77	14.63	15.07	.....	15.79	16.02	18.80	17.67	16.59	.....	.....
15	14.64	14.88	14.65	14.95	17.66	16.20	16.10	18.33	17.74	16.59	.....	.....
16	14.72	14.87	14.69	14.74	18.20	16.8	16.00	18.48	17.90	16.29	.....	.....
17	14.83	14.87	14.68	14.73	18.05	.....	16.37	19.10	18.28	16.18	h15.96	.....
18	14.87	14.75	14.59	14.63	18.79	.....	16.93	19.55	18.01	16.08	16.06	.....
19	14.87	14.70	14.64	14.59	19.33	17.28	.....	20.10	19.05	16.07	15.97	.....
20	14.84	14.57	14.64	14.49	19.38	.....	.....	20.12	19.15	16.32	15.93	.....
21	14.67	14.80	14.51	14.55	19.93	.....	.....	19.55	18.6	16.33	.....	.....
22	14.69	14.80	.....	14.83	19.92	.....	h17.60	18.92	17.88	16.27	.....	16.97
23	14.69	14.87	.....	14.69	19.64	.....	17.40	18.75	17.45	16.20	.....	16.85
24	14.68	14.90	.....	14.53	19.46	.....	17.15	18.16	17.24	16.48	.....	16.88
25	14.73	14.82	.....	14.59	18.09	19.88	17.35	17.75	17.23	16.38	.....	16.89
26	.....	14.84	h14.66	14.61	18.79	19.22	18.30	17.46	17.10	16.95	.....	16.86
27	.....	14.78	14.70	14.70	17.64	19.63	18.95	17.30	16.72	16.73	.....	16.78
28	.....	14.68	14.62	14.95	17.11	19.72	19.08	17.19	16.65	16.89	.....	16.67
29	h14.84		14.59	15.39	16.85	18.70	19.11	16.94	16.49	16.68	.....	16.79
30	.....		14.55	15.67	16.67	17.89	18.21	16.89	16.55	16.22	.....	16.78
31	.....		14.57		17.16		18.18	16.81		16.12		16.52

h Tape measurement.

117.23.34daa2. Hennepin County Highway Department. Drilled test observation artesian well in sandstones of Late Cambrian and Early Ordovician age, diameter 6 inches, depth 468 feet, cased to 199. Land-surface datum is 946.84 feet above msl. Highest water level 51.55 below lsd, Nov. 27, 1954; lowest 55.44 below lsd, Aug. 23, 1955. Records available: 1953-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	52.01	52.37	52.26	52.39	52.73	54.12	54.85	55.01	54.89	54.80	54.23	.....
2	52.12	52.60	52.35	52.29	52.70	54.01	54.84	55.01	54.76	54.80	54.37	.....
3	52.15	52.69	52.24	52.28	52.76	53.91	54.93	54.95	54.72	54.73	54.37	.....
4	52.11	52.67	52.37	52.27	52.97	53.78	54.89	55.06	54.80	54.48	54.36	.....
5	52.13	52.24	52.48	52.24	53.08	53.76	54.81	55.09	54.80	54.25	54.10	.....
6	52.22	52.31	52.48	52.40	53.07	53.59	54.74	55.06	54.83	54.25	54.13	.....
7	52.20	52.31	52.47	52.47	53.30	53.66	54.61	55.06	54.84	54.37	54.30	.....
8	52.01	52.12	52.18	52.37	53.40	53.67	54.37	55.01	54.83	54.40	54.33	.....
9	52.18	52.29	52.13	52.36	53.37	53.67	54.51	54.85	54.74	54.25	54.08	.....
10	52.19	52.43	52.03	52.33	53.41	53.66	54.52	54.82	54.97	54.24	53.83	.....
11	52.17	52.50	52.11	52.27	53.41	53.61	54.56	54.84	55.01	54.16	54.02	.....
12	52.12	52.59	52.37	52.25	53.42	53.65	54.44	54.76	54.98	54.18	54.15	.....
13	52.16	52.50	52.39	52.25	53.49	53.67	54.29	54.75	54.93	54.26	54.3	.....
14	51.92	52.33	52.33	52.31	53.62	53.76	54.14	54.75	54.91	54.26	54.30	.....
15	52.08	52.27	52.39	52.35	53.68	53.82	54.10	54.84	54.90	54.33	54.02	.....
16	52.22	52.41	52.50	52.44	53.82	53.89	54.15	54.88	54.79	54.35	53.95	.....
17	52.37	52.40	52.47	52.47	53.86	53.96	54.18	54.99	54.92	54.35	54.31	.....
18	52.43	52.27	52.37	52.37	53.88	54.03	54.23	55.14	55.00	54.31	54.31	.....
19	52.43	52.18	52.40	52.29	54.02	54.09	54.28	55.18	55.03	54.31	54.20	.....
20	52.38	52.07	52.45	52.23	54.20	54.21	54.31	55.20	55.04	54.46	54.12	.....
21	52.00	52.35	52.28	52.35	54.28	54.30	54.30	55.35	55.00	54.50	.....	.....
22	52.09	52.41	52.20	52.39	54.32	54.43	54.35	55.43	54.99	54.44	.....	54.31
23	52.09	52.54	52.30	52.28	54.44	54.55	54.45	55.44	55.01	54.33	.....	54.01
24	52.11	52.62	52.43	52.35	54.60	54.74	54.46	55.31	55.09	54.39	.....	54.21
25	52.19	52.50	52.49	52.46	54.64	54.87	54.39	55.21	55.14	54.20	.....	54.29
26	52.45	52.42	52.50	52.45	54.54	55.03	54.50	55.12	55.04	54.12	.....	54.24
27	52.45	52.37	52.56	52.37	54.19	55.08	54.64	54.99	54.66	54.05	.....	54.11
28	52.36	52.25	52.46	52.61	54.18	55.08	54.72	54.90	54.67	54.09	.....	53.96
29	52.36		52.41	52.74	54.22	54.88	54.72	.....	54.5	54.06	.....	54.07
30	52.41		52.37	52.77	54.22	54.77	54.78	.....	54.74	54.08	.....	54.07
31	52.23		52.39		54.18		54.95	54.91		54.08		53.72

118.23.34aca. Hennepin County Highway Department. Drilled artesian well in Jordan sandstone, diameter 24 inches, depth 419 feet, cased to 183. Highest water level 23.44 below lsd, Nov. 27, 1954; lowest 26.02 below lsd, Dec. 29, 1955. Records available: 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	23.83	Apr. 2	24.29	June 24	25.42	Sept. 10	25.30
15	24.01	9	23.92	July 1	24.67	17	25.01
22	23.67	16	23.97	8	24.84	24	24.95
29	23.92	23	23.61	15	24.30	Oct. 1	25.10
Feb. 5	23.98	30	24.23	22	24.69	11	24.33
12	24.29	May 7	24.09	29	24.80	18	24.71
19	23.98	14	24.72	Aug. 8	24.93	27	24.22
26	24.44	21	25.64	12	25.11	Nov. 3	24.75
Mar. 5	23.98	28	24.06	19	25.15	10	23.92
12	23.69	June 4	24.24	26	24.70	17	24.75
19	23.59	11	24.18	31	24.75	Dec. 22	25.05
26	24.03	18	24.43	Sept. 5	25.35	29	26.02

118.23.35aaa1. Hennepin County Highway Department. Drilled artesian well in Jordan sandstone, diameter 24 to 10 inches, depth 428 feet, cased 0-304, 339-351, 401-428, screen 304-339, 351-401. Highest water level 24.26 below lsd, Nov. 26, 1954; lowest 26.99 below lsd, Aug. 19, 1955. Records available: 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	24.62	Apr. 2	24.76	June 24	26.76	Sept. 10	26.64
15	24.57	9	24.74	July 1	26.09	17	26.49
22	24.53	16	24.73	8	25.70	24	26.51
29	24.81	23	24.63	15	25.66	Oct. 1	26.20
Feb. 5	24.65	30	25.19	22	26.25	11	25.64
12	25.10	May 7	25.69	29	26.63	18	25.91
19	24.67	14	25.75	Aug. 8	26.43	27	25.81
26	24.89	21	26.46	12	26.34	Nov. 3	26.09
Mar. 5	24.92	28	25.66	19	26.99	10	25.50
12	24.68	June 4	25.47	26	26.27	17	25.91
19	24.70	11	25.33	31	26.27	Dec. 22	25.79
26	24.90	18	25.98	Sept. 5	26.37	29	26.23

118.23.35aaa2. Hennepin County Highway Department. Drilled test observation water-table well in glacial drift, diameter 2 inches, depth 151 feet. Highest water level 19.08 below lsd, Mar. 13, 1954; lowest 37.4 below lsd, June 9, 1942. Records available: 1942, 1944-46, 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	19.79	Apr. 2	19.51	June 24	20.18	Sept. 10	21.08
15	19.87	9	19.55	July 1	20.25	17	20.98
22	19.77	16	19.55	8	20.35	24	21.25
29	19.81	23	19.38	15	20.36	Oct. 1	21.17
Feb. 5	19.58	30	19.61	22	20.39	11	20.79
12	20.06	May 7	19.61	29	20.50	18	21.03
19	19.61	14	19.81	Aug. 8	20.66	27	20.81
26	19.84	21	19.80	12	20.70	Nov. 3	21.07
Mar. 5	19.82	28	19.88	19	20.69	10	20.64
12	19.58	June 4	20.00	26	20.82	17	21.17
19	19.56	11	20.06	31	21.04	Dec. 22	21.60
26	19.77	18	19.96	Sept. 5	21.01	29	20.97

Morrison County

130.29.8dcc. U. S. Geol. Survey. Drilled test observation water-table well in glacial gravel, diameter 2 inches, depth 59 feet, screen 56-59. Highest water level 8.93 below lsd, Aug. 14, 1953; lowest 15.80 below lsd, Aug. 12, 1955. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	12.35	Apr. 8	13.06	July 8	14.02	Oct. 14	13.59
14	12.46	15	13.19	15	14.86	21	13.62
21	12.56	22	13.22	22	15.09	28	13.72
28	12.66	29	13.30	29	14.98	Nov. 4	13.70
Feb. 4	12.72	May 6	13.33	Aug. 5	15.67	11	13.82
11	12.81	13	13.40	12	15.80	18	13.84
18	12.88	20	13.40	26	14.37	25	13.88
25	13.05	27	13.55	Sept. 2	14.05	Dec. 2	13.86
Mar. 4	13.14	June 3	13.49	9	13.85	9	14.04
11	13.21	10	13.49	16	13.73	16	14.12
18	13.27	17	13.80	23	13.67	23	14.12
25	13.31	24	13.87	30	13.61	30	14.16
Apr. 1	13.02	July 1	13.86	Oct. 7	13.63		

Redwood County

112.36.25bda. City of Redwood Falls. Drilled test observation artesian well in glacial outwash sand and gravel, diameter 2 inches, depth 150 feet, screen 147-150. Land-surface datum is 1,050.2 feet above msl. Highest water level 43.61 below lsd, Nov. 7, 1954; lowest 50.56 below lsd, Dec. 17, 1955. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	44.64	Apr. 2	44.99	July 3	46.25	Oct. 3	49.35
8	44.68	9	45.07	10	46.24	11	49.17
15	44.75	16	45.11	17	46.05	15	49.12
22	44.73	24	44.99	24	46.73	23	49.47
30	44.82	May 1	45.03	31	48.29	30	49.39
Feb. 6	44.81	10	45.15	Aug. 7	48.08	Nov. 6	49.51
13	44.84	15	45.21	14	48.16	13	49.59
20	44.88	22	45.24	21	49.01	20	49.82
27	44.86	29	45.73	28	49.04	27	49.94
Mar. 6	44.92	June 5	45.59	Sept. 4	48.98	Dec. 3	50.23
12	45.03	12	45.55	11	48.97	11	50.35
19	44.99	19	45.59	18	49.41	17	50.56
26	45.01	26	46.54	25	49.14	24	50.49

St. Louis County

B58.18.12ccc1. Oliver Iron Mining Division, U. S. Steel Corp. Drilled test observation artesian well in glacial sand and gravel, diameter 6 inches, depth 97 feet, casing slotted 76-97. Highest water level 11.03 below lsd, July 22-23, 1955; lowest 15.09 below lsd, Mar. 30, 1955. Records available: 1954-55.

Daily lowest water level from recorder graph, 1954

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 9	h13.66	Dec. 15	13.75	Dec. 21	13.84	Dec. 27	13.95
10	13.70	16	13.77	22	13.82	28	13.95
11	13.73	17	13.78	23	13.87	29	13.95
12	13.74	18	13.80	24	13.88	30	13.96
13	13.73	19	13.81	25	13.90	31	13.95
14	13.74	20	13.83	26	13.94		

h Tape measurement.

B58. 18. 12ccc1--Continued.

Daily lowest water level from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13. 98	.....	14. 80	14. 95	13. 09	12. 94	12. 96	11. 64	12. 48	12. 27	12. 48	12. 70
2	14. 01	.....	14. 82	14. 72	12. 50	12. 94	12. 98	11. 75	12. 48	12. 28	12. 51	12. 71
3	14. 03	h14. 50	14. 83	14. 50	12. 45	12. 93	12. 99	11. 77	12. 49	12. 27	12. 53	12. 72
4	14. 02	14. 51	14. 84	14. 05	12. 56	12. 92	12. 85	11. 85	12. 53	12. 24	12. 53	12. 71
5	14. 06	14. 49	14. 85	13. 40	12. 62	.....	12. 87	11. 93	12. 54	12. 21	12. 48	12. 72
6	14. 08	14. 51	.....	13. 37	12. 63	.....	12. 88	11. 94	12. 58	12. 23	12. 48	12. 71
7	14. 08	14. 51	.....	13. 17	12. 74	.....	12. 89	12. 01	12. 59	12. 26	12. 55	12. 76
8	14. 09	14. 51	.....	12. 86	12. 78	.....	12. 93	12. 02	12. 59	12. 27	12. 55	12. 80
9	14. 12	14. 55	.....	12. 74	12. 78	12. 54	12. 99	12. 03	12. 57	12. 26	.....	12. 80
10	14. 14	14. 57	.....	12. 65	12. 80	12. 41	13. 02	12. 08	12. 60	12. 28	h12. 42	12. 82
11	14. 14	14. 59	.....	12. 58	12. 82	12. 46	13. 04	12. 11	12. 63	12. 31	.....	12. 82
12	14. 16	14. 61	.....	12. 49	12. 84	12. 51	13. 05	12. 13	12. 64	12. 38	.....	12. 82
13	14. 17	14. 61	.....	12. 48	12. 88	12. 57	13. 05	12. 16	12. 63	12. 37	.....	12. 77
14	14. 17	14. 61	.....	12. 56	12. 92	12. 60	13. 05	12. 19	12. 67	12. 36	.....	12. 82
15	14. 19	14. 63	.....	12. 62	12. 93	12. 65	13. 08	12. 20	12. 67	12. 36	.....	12. 82
16	14. 22	14. 65	.....	12. 66	12. 97	12. 68	13. 10	12. 22	12. 67	12. 39	.....	12. 80
17	14. 24	14. 65	.....	12. 71	12. 97	12. 71	13. 12	12. 23	12. 18	12. 38	.....	.....
18	14. 26	14. 66	.....	12. 71	12. 97	12. 73	13. 15	12. 26	12. 27	12. 39	.....	.....
19	14. 27	14. 67	.....	12. 72	12. 97	12. 76	13. 17	12. 29	12. 32	12. 39	.....	.....
20	14. 27	14. 66	.....	12. 73	12. 98	12. 78	13. 18	12. 29	12. 35	12. 44	.....	.....
21	14. 25	14. 70	.....	12. 81	12. 99	12. 81	13. 19	12. 33	12. 33	12. 46	.....	.....
22	14. 28	14. 71	.....	12. 82	12. 99	12. 83	12. 5	12. 36	12. 35	12. 45	.....	.....
23	14. 29	14. 75	.....	12. 85	13. 02	12. 85	11. 15	12. 37	12. 27	12. 45	.....	.....
24	14. 32	14. 77	.....	12. 92	13. 05	12. 88	11. 42	12. 37	12. 32	12. 46	.....	.....
25	14. 33	14. 76	.....	12. 96	13. 06	12. 90	11. 78	12. 41	.....	12. 43	.....	.....
26	14. 37	14. 78	.....	12. 97	13. 06	12. 93	11. 94	12. 44	h12. 28	12. 45	.....	h12. 99
27	.....	14. 78	.....	12. 99	13. 03	12. 95	11. 82	12. 45	12. 26	12. 44	.....	12. 98
28	.....	14. 77	.....	13. 07	12. 90	.....	11. 92	12. 45	12. 18	12. 46	h12. 64	13. 00
29	.....		.....	13. 09	12. 83	h12. 94	11. 89	12. 45	12. 19	12. 46	12. 71	13. 02
30	.....		h15. 09	13. 09	12. 87	12. 94	11. 56	12. 41	12. 23	12. 46	12. 71	.....
31	.....		15. 07		12. 91		11. 48	12. 46		12. 46		.....

h Tape measurement.

B58. 18. 13aba1. August Lostrom. Drilled unused artesian well in glacial sand and gravel, diameter 6 inches, depth 62 feet. Highest water level 18. 06 below lsd, July 6, 1954; lowest 23. 11 below lsd, Mar. 16, 1955. Records available: 1954-55.

Daily lowest water level from recorder graph, 1954

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	h18. 23	20. 18	20. 10	20. 57	21. 26	.....
2	18. 28	.....	20. 02	20. 43	21. 37	.....
3	18. 24	.....	20. 07	20. 45	21. 03	.....
4	18. 22	.....	20. 00	20. 88	20. 92	.....
5	18. 26	.....	20. 00	21. 02	20. 91	.....
6	18. 18	h20. 18	20. 00	h21. 18	21. 17	.....
7	18. 24	20. 02	19. 98	.....	21. 44	.....
8	18. 28	19. 77	19. 99	h20. 79	21. 64	h21. 46
9	18. 33	19. 59	19. 95	20. 75	21. 61	21. 77
10	18. 31	19. 69	19. 90	20. 74	21. 41	21. 90
11	.....	.....	19. 92	20. 76	21. 50	22. 03
12	.....	19. 63	19. 92	20. 76	21. 51	22. 07
13	.....	19. 54	19. 98	20. 77	.....	21. 91
14	.....	19. 44	20. 00	20. 76	.....	21. 81
15	.....	19. 46	19. 99	20. 55	.....	21. 88
16	h19. 52	19. 59	19. 94	20. 52	.....	21. 92
17	19. 49	19. 60	19. 82	20. 76	.....	21. 78
18	19. 58	19. 47	19. 78	21. 05	.....	21. 53
19	19. 62	19. 59	19. 63	21. 10	.....	21. 57
20	.....	19. 84	19. 67	21. 12	.....	21. 82
21	.....	20. 00	19. 96	21. 20	.....	21. 87
22	.....	19. 86	20. 25	21. 21	.....	21. 78
23	h19. 94	19. 97	20. 42	21. 40	.....	21. 97
24	20. 06	h20. 12	20. 42	21. 45	.....	22. 09
25	20. 14	h20. 23	20. 48	21. 41	.....	21. 96
26	20. 14	20. 15	20. 51	21. 42	.....	22. 21
27	20. 08	19. 98	20. 27	21. 37	.....	22. 21
28	.....	20. 15	20. 37	21. 09	.....	22. 09
29	20. 15	20. 34	20. 57	21. 19	.....	21. 90
30	20. 21	20. 39	20. 57	21. 21	.....	21. 89
31	20. 20	20. 24		21. 09		21. 88

h Tape measurement.

B58. 18. 13aba1--Continued.

Daily lowest water level from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	21. 70	22. 75	22. 85	.....	20. 73	.....	19. 80	19. 01	19. 55	.....	19. 22	.....
2	21. 99	22. 99	22. 93	.....	20. 52	.....	19. 90	18. 93	19. 46	.....	19. 39	.....
3	21. 80	23. 02	22. 77	.....	20. 41	.....	19. 96	18. 77	.....	.....	19. 40	.....
4	21. 82	22. 99	22. 67	.....	20. 32	.....	19. 97	18. 89	.....	.....	19. 40	.....
5	21. 88	22. 35	22. 68	.....	20. 42	.....	19. 91	18. 95	.....	.....	19. 25	.....
6	22. 10	22. 31	22. 72	.....	20. 40	.....	19. 86	18. 90	h19. 51	.....	19. 49	.....
7	22. 09	22. 34	22. 75	.....	20. 43	.....	19. 77	18. 99	19. 57	.....	19. 99	h19. 58
8	22. 01	22. 23	22. 49	.....	20. 50	.....	19. 81	18. 96	19. 55	.....	20. 03	20. 01
9	22. 17	22. 52	22. 59	.....	20. 43	.....	19. 99	18. 86	19. 44	.....	19. 81	20. 11
10	22. 23	22. 65	22. 61	h20. 50	20. 38	.....	20. 05	18. 97	19. 56	.....	19. 29	20. 12
11	22. 19	22. 81	22. 70	.....	20. 41	.....	20. 07	19. 02	19. 65	.....	19. 44	20. 06
12	22. 14	22. 86	22. 81	.....	20. 34	.....	20. 06	18. 98	19. 64	.....	19. 54	19. 94
13	22. 18	22. 78	22. 87	.....	20. 40	.....	19. 99	19. 01	19. 57	.....	19. 64	19. 69
14	22. 03	22. 64	22. 78	.....	20. 43	.....	19. 84	18. 99	19. 62	.....	19. 75	19. 88
15	22. 30	22. 73	22. 91	.....	20. 39	.....	19. 93	18. 99	19. 62	.....	19. 66	20. 03
16	22. 46	22. 80	23. 11	.....	20. 46	.....	19. 97	19. 02	19. 47	.....	19. 67	19. 84
17	22. 60	22. 72	23. 10	.....	20. 43	.....	20. 05	18. 98	19. 45	.....	20. 19	19. 93
18	22. 66	22. 58	22. 89	.....	20. 25	.....	20. 12	19. 05	19. 45	.....	20. 19	20. 37
19	22. 65	22. 50	22. 66	.....	20. 18	.....	20. 32	19. 05	19. 44	.....	20. 17	20. 44
20	22. 56	22. 38	22. 72	.....	20. 22	.....	20. 49	18. 97	19. 46	.....	19. 85	20. 26
21	22. 24	22. 45	22. 52	.....	20. 16	.....	.....	19. 24	19. 40	.....	19. 91	20. 08
22	22. 33	22. 57	22. 20	.....	20. 08	.....	.....	19. 28	19. 38	.....	19. 62	19. 73
23	22. 35	22. 80	22. 33	.....	20. 10	.....	20. 12	19. 28	19. 35	.....	19. 88	19. 73
24	22. 48	22. 86	22. 40	.....	20. 25	.....	19. 92	19. 26	19. 48	.....	19. 99	20. 27
25	22. 54	22. 71	22. 58	.....	20. 30	.....	19. 59	19. 31	19. 56	.....	19. 96	20. 52
26	22. 79	22. 89	22. 75	.....	.....	.....	19. 51	19. 30	19. 45	h18. 85	19. 81	20. 52
27	22. 78	22. 87	22. 85	.....	h19. 81	.....	19. 54	19. 30	19. 07	18. 83	19. 57	20. 31
28	22. 67	22. 68	22. 88	.....	.....	.....	19. 43	19. 28	19. 11	18. 91	h19. 51	20. 21
29	22. 74		22. 96	h20. 89	.....	h19. 69	19. 23	19. 23	.....	18. 91	.....	20. 51
30	22. 76		h22. 92	20. 89	.....	19. 69	19. 01	19. 39	.....	19. 15	.....	20. 50
31	22. 52		.....		.....		19. 00	19. 52		19. 20		20. 34

h Tape measurement.

B58. 20. 16dbc1. City of Chisholm. Drilled unused artesian well in glacial outwash sand and gravel, diameter 12 inches, depth 40 feet, screen 30-40. Highest water level 0. 23 below lsd, May 10, 1954; lowest 14. 80 below lsd, Mar. 31, 1955. Records available: 1953-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12. 86	13. 52	13. 91	14. 68	8. 65	8. 62	.....	5. 73	9. 17	8. 61	8. 37	9. 13
2	12. 79	13. 50	13. 92	14. 56	8. 11	8. 53	.....	5. 68	9. 30	8. 45	8. 41	9. 23
3	12. 89	13. 53	13. 95	14. 34	7. 86	8. 38	.....	5. 75	9. 41	8. 47	8. 45	9. 15
4	12. 89	13. 48	13. 94	14. 15	7. 78	8. 42	.....	5. 97	9. 36	8. 43	8. 40	9. 11
5	12. 97	13. 47	13. 97	13. 91	7. 67	8. 21	.....	6. 41	9. 37	8. 26	8. 44	9. 14
6	12. 99	13. 52	13. 94	13. 75	7. 65	7. 96	.....	6. 61	9. 63	8. 26	8. 35	9. 11
7	13. 02	13. 56	14. 05	13. 62	7. 75	7. 87	.....	6. 59	9. 80	8. 23	8. 55	9. 18
8	13. 02	13. 57	14. 07	13. 50	7. 80	7. 59	9. 06	6. 75	9. 79	8. 19	8. 51	9. 25
9	12. 98	13. 59	14. 06	12. 76	7. 77	7. 10	9. 29	6. 81	9. 70	8. 13	8. 32	9. 28
10	13. 08	13. 71	14. 07	11. 73	7. 94	6. 71	9. 24	7. 05	9. 82	8. 19	8. 36	9. 23
11	13. 05	13. 76	14. 11	10. 64	7. 98	6. 56	9. 50	7. 29	9. 78	8. 13	8. 47	9. 17
12	13. 14	13. 77	14. 13	10. 06	7. 94	6. 39	9. 67	7. 57	9. 85	8. 03	8. 48	9. 24
13	13. 13	13. 65	14. 11	9. 58	8. 14	6. 61	9. 82	7. 84	9. 86	8. 05	8. 42	9. 23
14	13. 17	13. 78	14. 16	9. 40	8. 23	6. 76	9. 62	7. 84	9. 95	8. 07	8. 51	9. 29
15	13. 20	13. 77	14. 21	9. 19	8. 18	6. 92	9. 71	8. 00	9. 99	8. 07	8. 57	9. 34
16	13. 17	13. 77	14. 23	9. 08	8. 18	7. 14	9. 97	8. 24	9. 95	8. 01	8. 88	9. 27
17	13. 24	13. 77	14. 23	8. 96	8. 16	7. 18	10. 05	8. 19	9. 69	8. 09	8. 89	9. 34
18	13. 22	13. 77	14. 27	8. 79	8. 34	7. 24	10. 29	8. 41	9. 55	8. 06	8. 72	9. 39
19	13. 25	13. 73	14. 34	8. 69	8. 45	7. 23	10. 55	8. 60	9. 66	8. 07	8. 69	9. 54
20	13. 24	13. 76	14. 30	8. 51	8. 58	7. 50	10. 76	8. 46	9. 55	8. 16	8. 67	9. 57
21	13. 22	13. 84	14. 31	8. 50	8. 85	7. 58	10. 82	8. 57	9. 55	8. 07	8. 67	9. 54
22	13. 26	13. 82	14. 43	8. 42	8. 96	7. 76	9. 63	8. 73	9. 51	7. 99	8. 62	9. 44
23	13. 23	13. 80	14. 49	8. 48	8. 97	7. 91	8. 10	8. 80	9. 33	8. 01	8. 70	9. 46
24	13. 33	13. 80	14. 48	8. 40	9. 13	8. 23	7. 45	8. 91	9. 25	8. 15	8. 71	9. 62
25	13. 35	13. 76	14. 53	8. 66	9. 31	8. 54	7. 41	8. 93	9. 11	8. 13	8. 67	9. 60
26	13. 37	13. 89	14. 59	8. 67	9. 32	8. 73	7. 36	8. 86	9. 00	8. 16	8. 66	9. 57
27	13. 37	13. 80	14. 49	8. 80	8. 90	....	6. 87	8. 85	8. 82	8. 18	8. 84	9. 57
28	13. 47	13. 90	14. 60	8. 86	8. 75	....	6. 54	8. 82	8. 80	8. 27	9. 38	9. 63
29	13. 46		14. 71	8. 93	8. 61	....	6. 39	8. 93	8. 65	8. 26	9. 63	9. 70
30	13. 45		14. 77	8. 85	8. 50	....	5. 95	9. 08	8. 63	8. 26	9. 26	9. 67
31	13. 44		14. 80		8. 73		5. 60	9. 26		8. 25		9. 76

MISSOURI

By J. B. Cooper

Scope of Water-Level Program

Water-level measurements were made in 12 wells in Atchison County in the northwestern part of the State as part of the Tarkio Creek valley observation-well program. The Tarkio Creek valley area also includes parts of Montgomery County and Page County, Iowa. Measurements of the Atchison County wells are made in conjunction with the Iowa observation-well program. Weekly measurements were continued in 1955 in the well at Trenton, Grundy County. Water levels in 2 Phelps County wells and 1 Jasper County well were measured monthly by engineers from the Rolla office of the Surface Water Branch.

Interpretation of Water-Level Fluctuations

In the Grundy County well, the maximum fluctuation of water level was 4.32 feet. The highest reading of 9.10 feet was on July 17. The reading of 13.42 feet on November 13 and on December 25 was the lowest of record. The water level was 1.60 feet lower at the end of 1955 than at the end of 1954. Fluctuations of water levels in wells in Atchison County, together with the other wells in the Tarkio Creek area, are discussed in the Iowa section.

Well-Numbering System

The numbers assigned to the observation wells show their location according to the Bureau of Land Management system for subdivision of public land. The system used is explained in the Iowa section.

Well Descriptions and Water-Level Measurements

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

Atchison County

66-40-12N1. Edwin Rolf. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 24 feet. Highest water level 5.32 below lsd, Oct. 27, 1941; lowest 22.60 below lsd, Apr. 27, 1954. Records available: 1937-48, 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	13.40	May 4	12.99	Aug. 2	14.38	Oct. 24	18.38
Mar. 23	13.30	June 6	13.80	30	15.28	Nov. 10	15.10
Apr. 18	11.86	July 18	13.85	Sept. 28	15.29	Dec. 29	15.78

66-40-13A1. George Rolf. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 37 feet. Highest water level 15.96 below lsd, July 18, 1951; lowest 34.00 below lsd, Oct. 25, 1954. Records available: 1937-55.

Feb. 28	31.20	May 4	29.10	Aug. 2	28.00	Oct. 24	29.30
Mar. 23	30.95	June 6	28.44	30	28.30	Nov. 10	29.25
Apr. 18	29.70	July 18	28.78	Sept. 28	28.77	Dec. 29	30.40

66-40-13B1. W. R. Marshall. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 29 feet, lined with tile. Highest water level 1.19 below lsd, Sept. 26, 1951; lowest 18.13 below lsd, Feb. 13, 1939. Records available: 1934-48, 1950-55.

Feb. 28	10.90	May 4	10.20	Aug. 2	12.23	Oct. 24	13.60
Mar. 23	11.60	June 6	7.20	30	12.98	Nov. 10	14.30
Apr. 18	10.05	July 18	11.75	Sept. 28	13.63	Dec. 29	15.40

66-40-13B2. W. F. Marshall. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 22 feet. Highest water level 0.51 below lsd, Aug. 27, 1951; lowest 14.59 below lsd, Dec. 18, 1939. Records available: 1937-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 28	7.37	June 6	6.27	Sept. 28	14.02	Nov. 10	9.20
Mar. 23	6.78	July 18	8.70	Oct. 24	9.48	Dec. 29	8.30
May 4	7.30	Aug. 2	9.05				

66-40-13B3. W. F. Marshall. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 28 feet. Highest water level 7.44 below lsd, May 26, 1945; lowest dry several times, 1953-55. Records available: 1937-55.

Mar. 23	9.10	June 6	15.13	Aug. 30	19.46	Nov. 10	20.78
Apr. 18	11.15	July 18	16.20	Sept. 28	18.90	Dec. 29	(f)
May 4	10.35	Aug. 2	17.90	Oct. 24	20.65		

f Dry.

66-40-13C1. W. F. Marshall. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 19 feet. Highest water level 3.79 below lsd, June 23, 1947; lowest dry several times, 1953-55. Records available: 1937-55.

Feb. 28	13.20	May 4	13.60	July 18	13.70	Aug. 30	11.90
Mar. 23	8.95	June 6	12.75	Aug. 2	(f)	Sept. 28	14.15
Apr. 18	11.20						

f Dry.

66-40-13C2. W. F. Marshall. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 27 feet. Highest water level 9.47 below lsd, June 23, 1947; lowest 18.68 below lsd, Mar. 27, 1941. Records available: 1937-55.

Feb. 28	12.43	May 4	15.60	Aug. 2	16.34	Oct. 24	16.50
Mar. 23	12.90	June 6	11.40	30	16.60	Nov. 10	17.54
Apr. 18	11.84	July 18	12.60	Sept. 28	16.93	Dec. 29	16.90

66-40-13D1. W. F. Marshall. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 16 feet. Highest water level 1.26 below lsd, Mar. 26, 1946; lowest 14.05 below lsd, Aug. 30, 1954. Records available: 1937-55.

Feb. 28	7.74	May 4	5.31	Aug. 2	6.00	Oct. 24	8.00
Mar. 23	6.98	June 6	5.52	30	7.80	Nov. 10	8.12
Apr. 18	5.70	July 18	5.10	Sept. 28	8.47	Dec. 29	8.40

66-40-26R1. J. A. McAllister. Drilled observation water-table well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 17 feet. Highest water level 0.10 below lsd, June 23, 1947; lowest 12.26 below lsd, Feb. 22, 1954. Records available: 1937-55.

Feb. 28	6.70	May 4	6.37	Aug. 2	6.70	Oct. 24	6.60
Mar. 23	8.20	June 6	8.12	30	6.48	Nov. 10	7.04
Apr. 18	6.65	July 18	6.54	Sept. 28	6.90	Dec. 29	7.04

66-40-35H1. J. A. McAllister. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 17 feet. Highest water level 3.59 below lsd, Feb. 25, 1952; lowest 15.77 below lsd, Dec. 18, 1939. Records available: 1937-55.

Feb. 28	9.70	May 4	10.47	Aug. 2	11.24	Oct. 24	12.50
Mar. 23	10.50	June 6	10.40	30	12.20	Nov. 10	12.26
Apr. 18	10.28	July 18	10.94	Sept. 28	12.15	Dec. 29	12.65

65-40-10R1. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 30 feet. Highest water level 8.77 below lsd, June 23, 1947; lowest dry, July 26, 1954. Records available: 1937-55.

Feb. 28	20.30	May 4	21.44	Aug. 2	23.93	Oct. 24	24.09
Mar. 23	20.25	June 6	19.55	30	21.77	Nov. 10	25.53
Apr. 18	21.20	July 18	26.48	Sept. 28	21.49	Dec. 29	23.20

65-40-11E1. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 32 feet. Highest water level 8.67 below lsd, June 23, 1947; lowest dry, May 2, 1938, winter 1939, Apr. 24, 1941. Records available: 1937-55.

Feb. 28	23.90	May 4	21.35	Aug. 2	22.02	Oct. 24	25.30
Mar. 23	23.80	June 6	20.35	30	22.59	Nov. 10	24.40
Apr. 18	21.22	July 18	21.28	Sept. 28	23.84	Dec. 29	24.10

Grundy County

61-24-17R1. W. W. Brummitt. 105 East Fourth St., Trenton. Dug unused water-table well in glacial drift, diameter 3 feet, depth 21 feet, cribbed with rock. Highest water level 0.03 below lsd, June 21, 1947; lowest 13.42 below lsd, Nov. 13, Dec. 25, 1955. Records available: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	11.70	Apr. 3	11.27	July 9	9.24	Oct. 2	12.80
9	11.74	10	11.18	17	9.10	9	13.14
16	11.76	17	11.06	24	8.42	16	13.25
23	11.79	May 1	11.02	31	9.17	23	13.30
30	11.70	8	11.14	Aug. 7	10.77	30	13.35
Feb. 6	11.66	15	11.12	14	10.32	Nov. 6	13.40
13	11.72	22	11.15	21	11.30	13	13.42
20	11.69	24	9.22	28	12.20	20	13.38
27	11.62	June 5	10.20	Sept. 4	11.65	27	13.34
Mar. 6	11.68	12	10.05	11	12.72	Dec. 4	13.36
13	11.45	19	10.20	18	12.20	11	13.37
20	11.43	26	9.68	25	12.90	18	13.40
27	11.40	July 3	9.28	27	13.27	25	13.42

Jasper County

9-34-22H1. Barnsdall Zinc Co. Drilled unused water-table well in Roubidoux dolomite, depth 901 feet. Highest water level 123.53 below lsd, Jan. 30, 1952; lowest 161.55 below lsd, Nov. 27, Dec. 27, 1943. Records available: 1942-44, 1950-55.

Jan. 31	131.30	May 1	125.30	July 30	134.20	Oct. 31	130.40
Feb. 28	126.90	31	123.80	Aug. 30	134.87	Nov. 30	131.83
Mar. 31	125.95	June 30	132.00	Sept. 28	135.18	Dec. 30	132.87

Phelps County

37-10-13K1. S. V. Allen. Jerome. Drilled water-table well in Gasconade dolomite, diameter 6 inches, depth 34 feet. Highest water level 4.38 below lsd, Apr. 2, 1945; lowest 12.62 below lsd, Sept. 30, 1954. Records available: 1942-55.

Jan. 3	9.59	Mar. 31	7.82	June 30	8.48	Nov. 30	10.50
31	10.45	May 2	8.27	Aug. 1	8.92	Dec. 29	11.00
Mar. 1	7.19	June 2	8.15	Oct. 31	9.94		

37-10-24A1. Fred Pillman. Arlington. Dug and drilled water-table well in Gasconade dolomite, diameter 6 inches, depth 15 feet. Highest water level 4.16 below lsd, Apr. 2, 1945; lowest dry at 13.61, January-February, July-December 1953, January-December 1954, January-March, October-December 1955. Records available: 1942-55.

Jan.	(f)	June 2	11.25	Aug. 31	10.10	Oct.	(f)
Mar.	(f)	20	10.72	Sept. 30	10.07	Dec.	(f)
May 2	10.60	Aug. 1	10.60				

f Dry.

NEBRASKA

By G. C. Chipps

Scope of Water-Level Program

The observation-well program in Nebraska, begun in 1934 in cooperation with the Conservation and Survey Division, University of Nebraska, was continued in 1955. Many of the well records in this report have been compiled as part of the Missouri River Basin Development program. Records of wells in which water-level measurements have been made that are not listed in this report are kept in open file pending publication in other forms. Measurements of water levels made in 382 wells are included in this report. Figures 19-30 show the location of the observation wells. The following organizations cooperated informally: U. S. Bureau of Reclamation in the Republican River valley; U. S. Fish and Wildlife Service in Cherry and Garden Counties; Central Nebraska Public Power and Irrigation District in Lincoln County; Platte Valley Public Power and Irrigation District in Keith County; Midstate Reclamation District in Buffalo, Hall, and Merrick Counties; and State Bureau of Irrigation and Drainage in Morrill County.

Precipitation

The average annual precipitation for the State during 1955 was 17.24 inches, 5.56 inches below normal and 2.37 inches below that of 1954. The normal for the State is 22.80 inches. The United States Weather Bureau has divided the State into three divisions for precipitation averages. In the Eastern Division, the 1955 average was 18.67 inches, 8.90 inches below normal. In the Central Division, the 1955 average was 16.28 inches, 5.99 inches below normal. In the Western Division, the 1955 average was 16.73 inches, 1.20 inches below normal. Severe drought conditions prevailed throughout most of the State; 1955 was the driest year recorded since 1943. The Panhandle, in the Western Division, was the only area where some stations reported above-normal precipitation for 1955.

Pumpage

The following table gives the total pumpage for the part of the Lincoln public supply pumped from the well field at Ashland and for the Grand Island supply. About 85 percent of the Lincoln public supply is pumped from wells in the flood plain of the Platte River, about 3 miles northeast of Ashland. Pumping from the Ashland well field began in 1932. The public supply at Grand Island is pumped from a group of wells in the Platte River valley in sands and gravels of Pleistocene age.

Monthly pumpage, in millions of gallons, from the Ashland well field for the public supply of Lincoln in 1955

Month	Pumpage	Month	Pumpage	Month	Pumpage
January	399.4	May	702.9	September	778.9
February	273.2	June	645.3	October	584.3
March	334.2	July	1,037.0	November	466.1
April	378.0	August	1,077.0	December	431.2

Monthly pumpage, in millions of gallons, for the public supply of Grand Island in 1955

Month	Pumpage	Month	Pumpage	Month	Pumpage
January	329.6	May	458.9	September	485.4
February	305.8	June	384.9	October	388.3
March	329.8	July	623.6	November	329.6
April	372.8	August	630.0	December	347.0

The most intensive use of ground water for irrigation in Nebraska is in the lower Platte River valley, where irrigation from wells was begun in 1893. Early development was slow; in 1911 only 6 irrigation wells had been installed. Since that time, however, development has been rapid. During the period 1945-55, irrigation development has spread to the upland areas of south-central Nebraska. About 2,900 irrigation wells were installed in Nebraska during 1955.

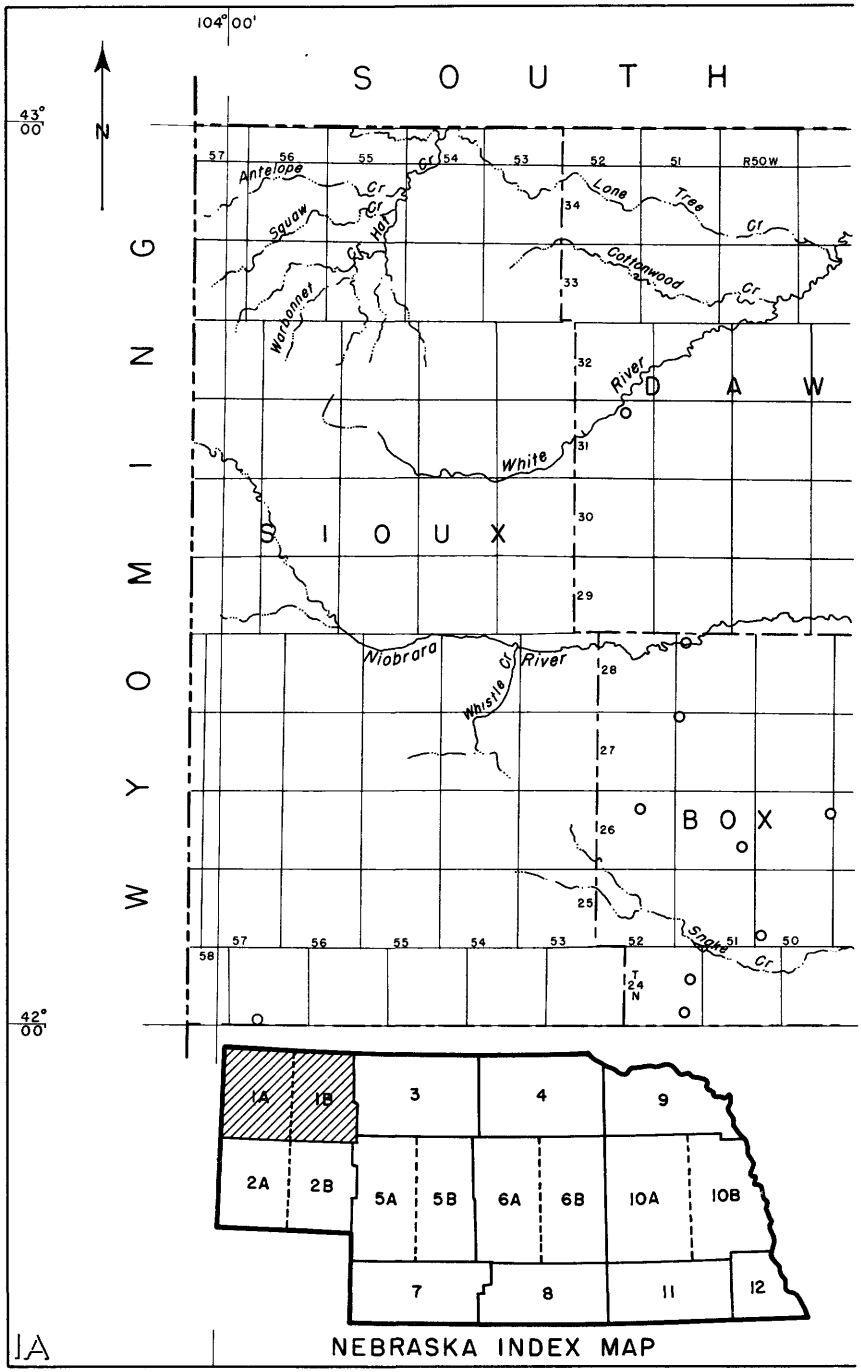
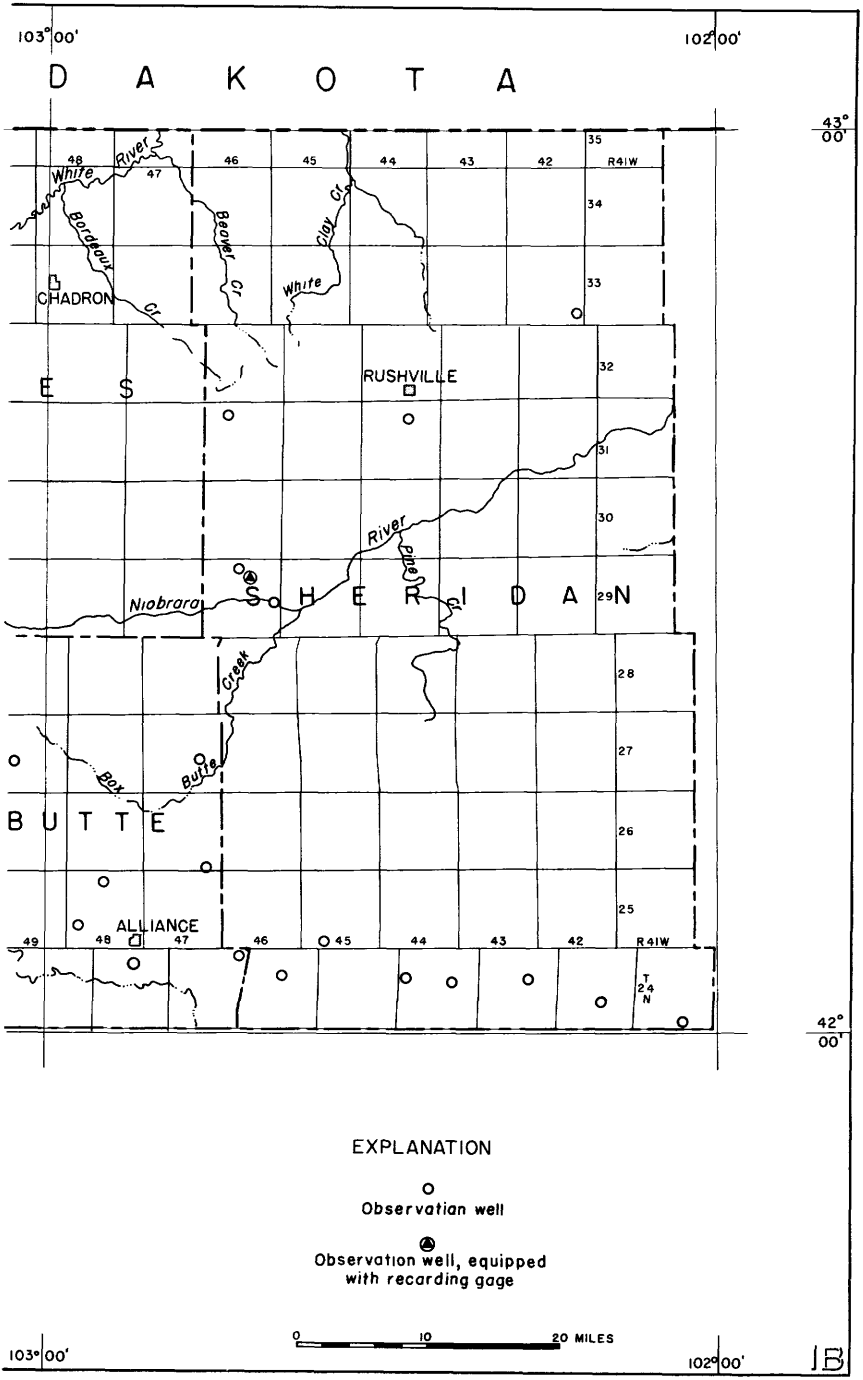


Figure 19. --Location of observation wells in Box Butte,



Dawes, Sheridan, and Sioux Counties, Nebr., 1955.

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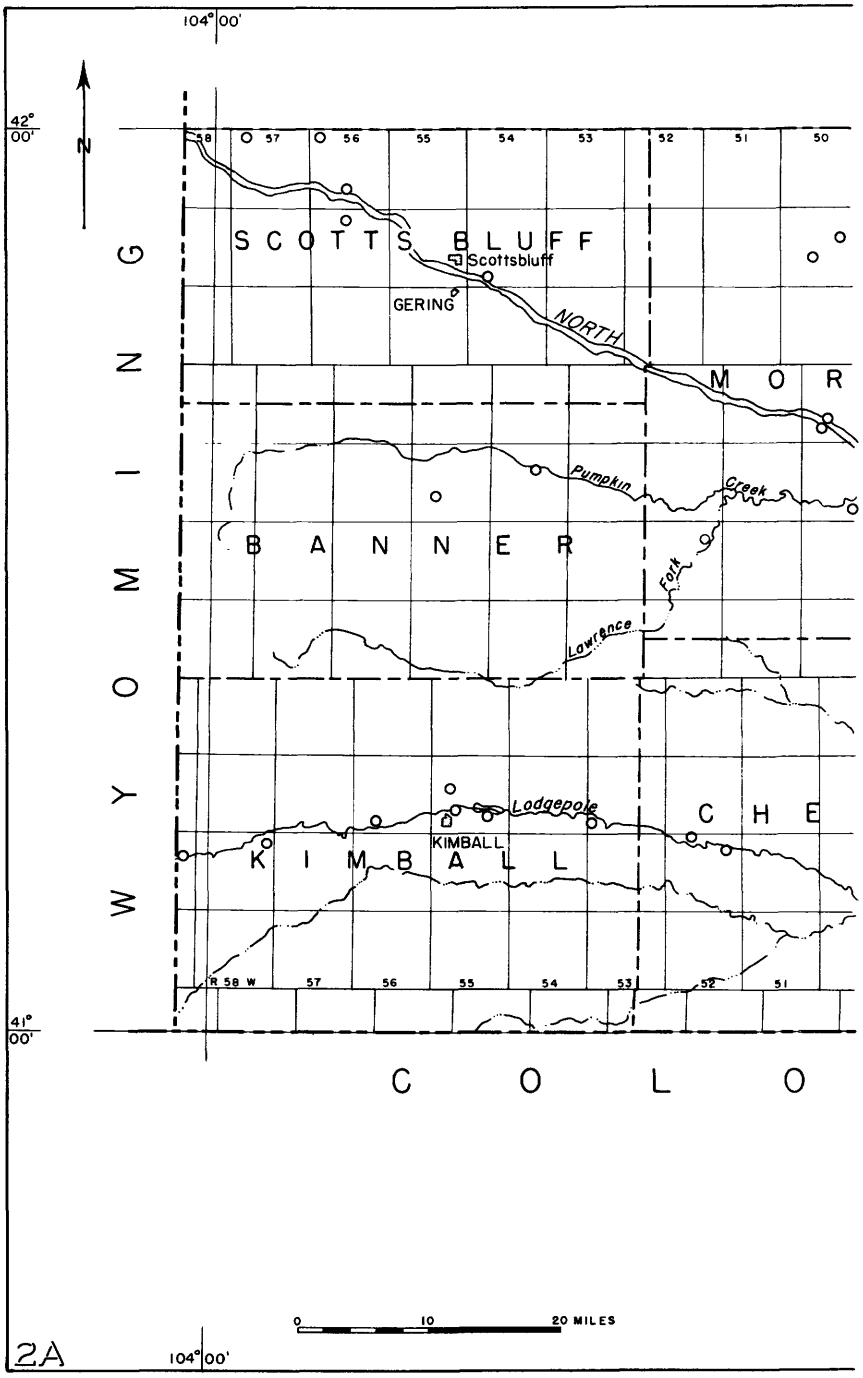
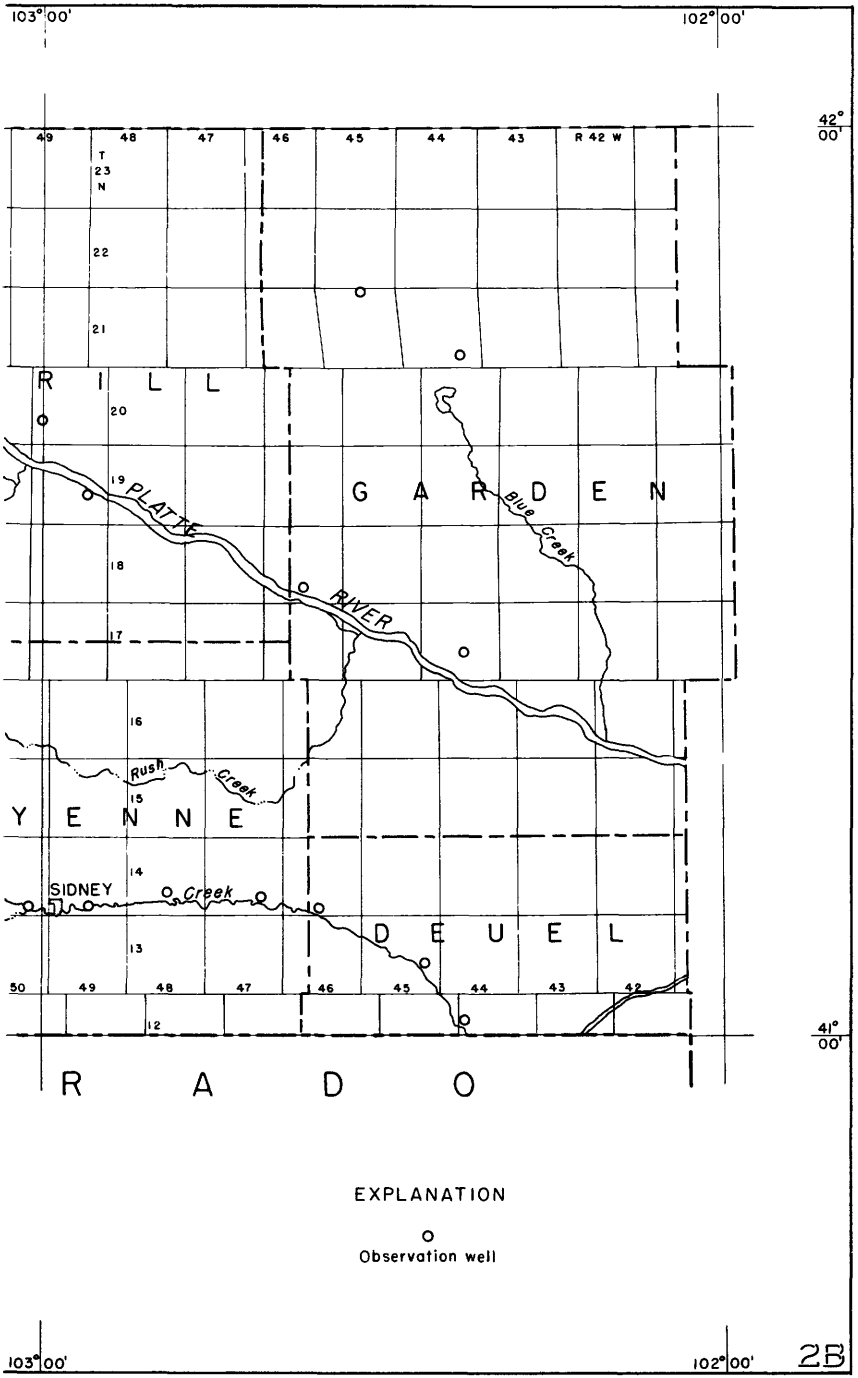


Figure 20.--Location of observation wells in Banner, Cheyenne, Deuel,



Garden, Kimball, Morrill, and Scotts Bluff Counties, Nebr., 1955.

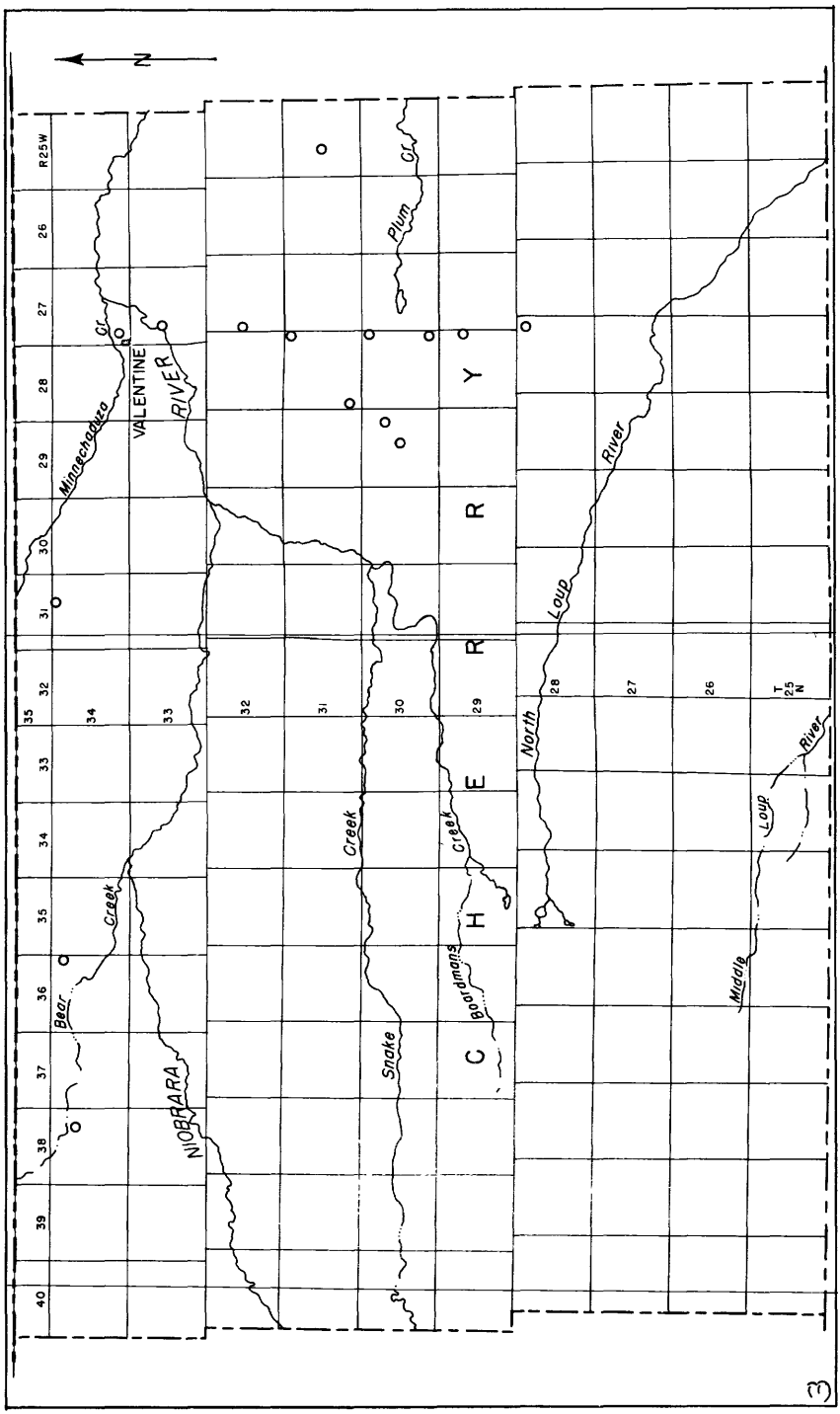


Figure 21.--Location of observation wells in Cherry County, Nebr., 1955.

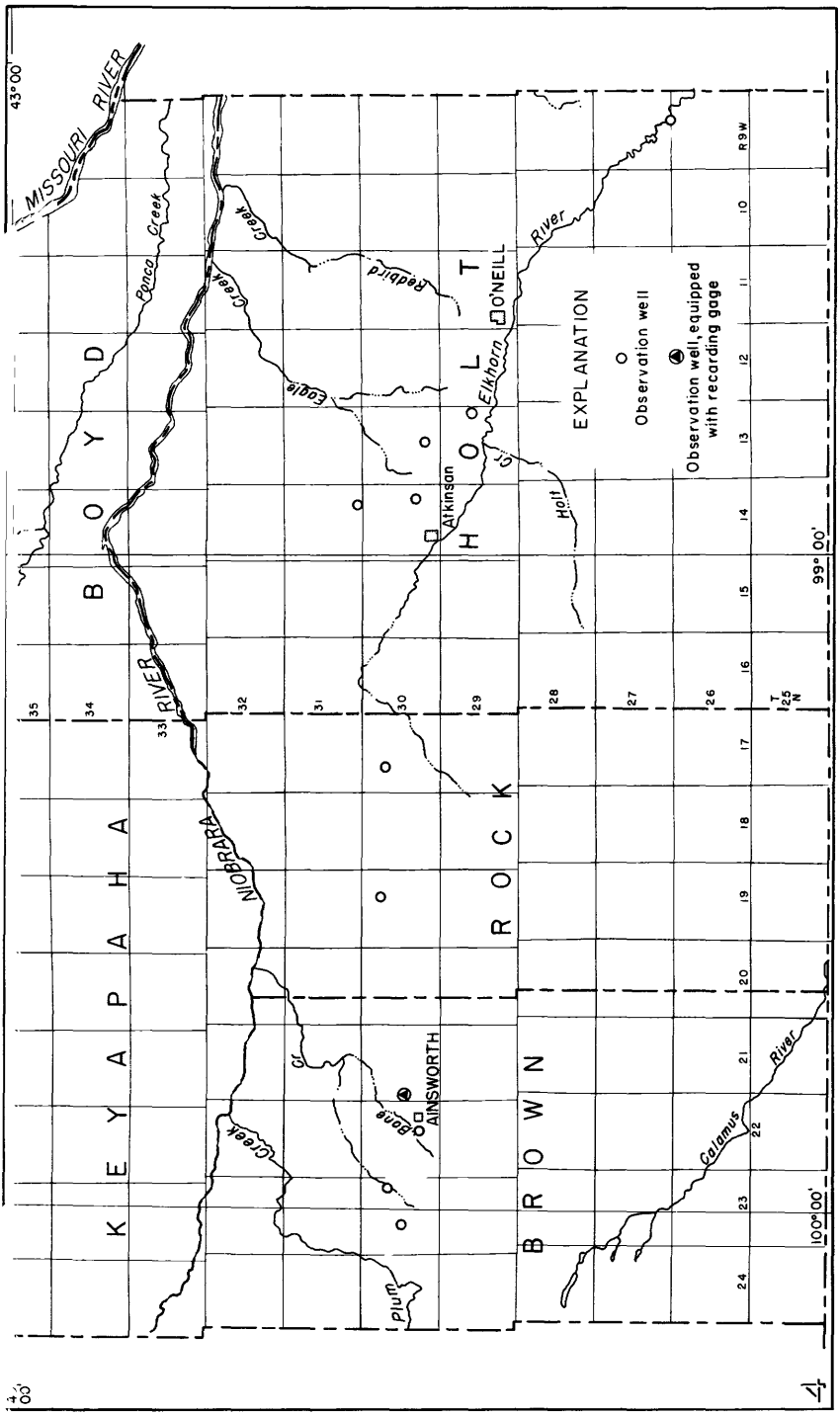


Figure 22.--Location of observation wells in Brown, Holt, and Rock Counties, Nebr., 1955.

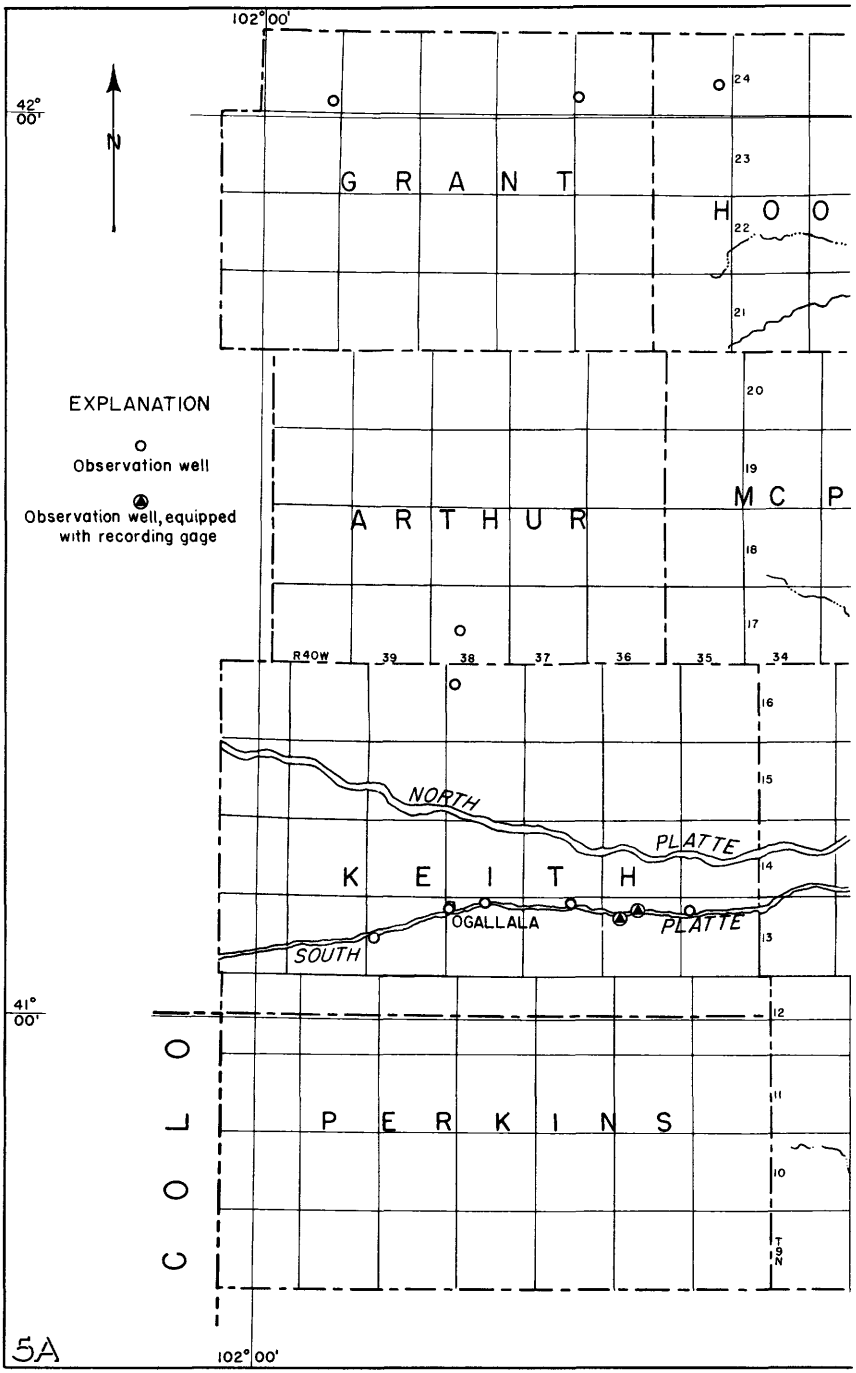
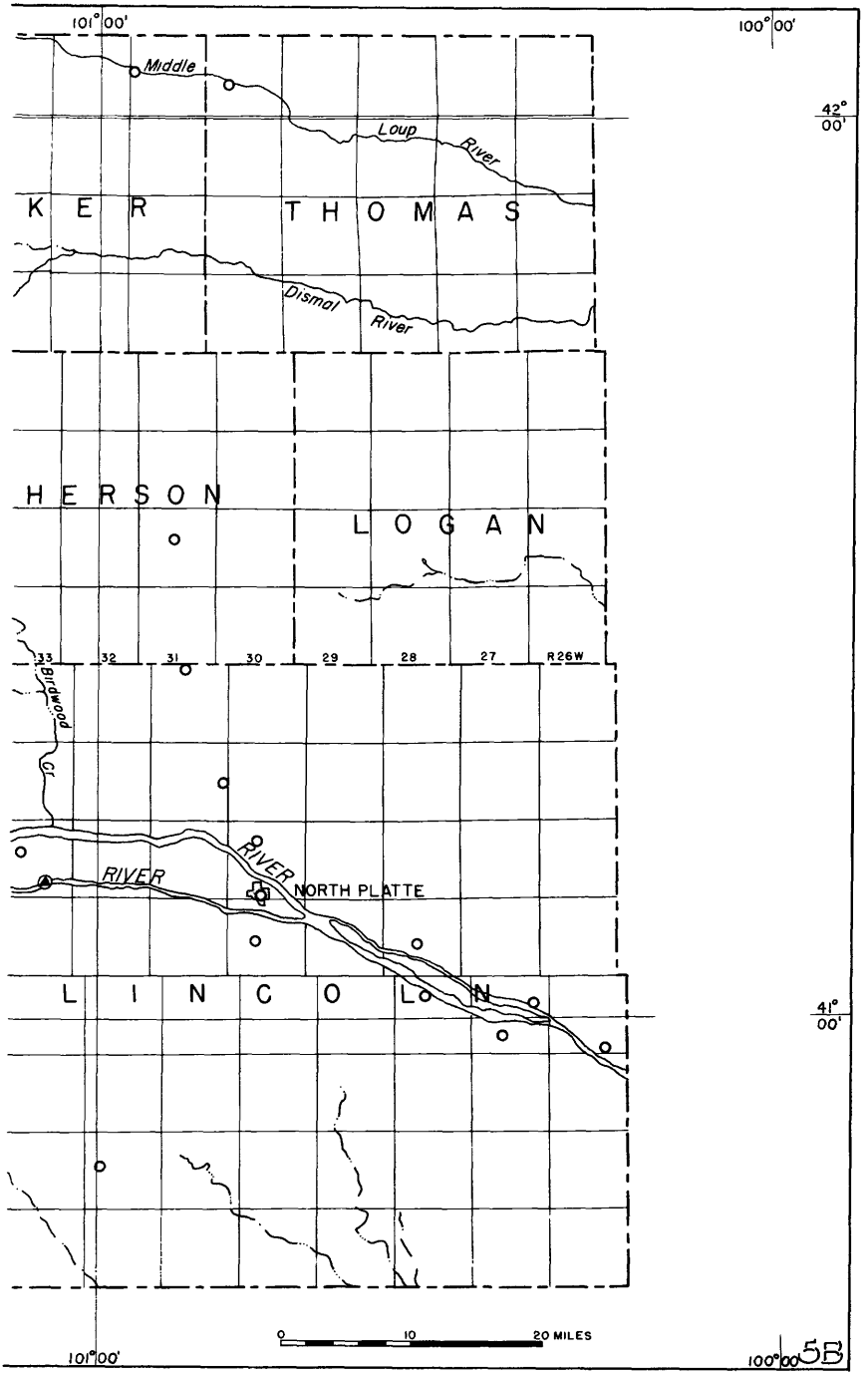


Figure 23. --Location of observation wells in Arthur, Grant, Hooker,



Keith, Lincoln, McPherson, and Thomas Counties, Nebr., 1955.

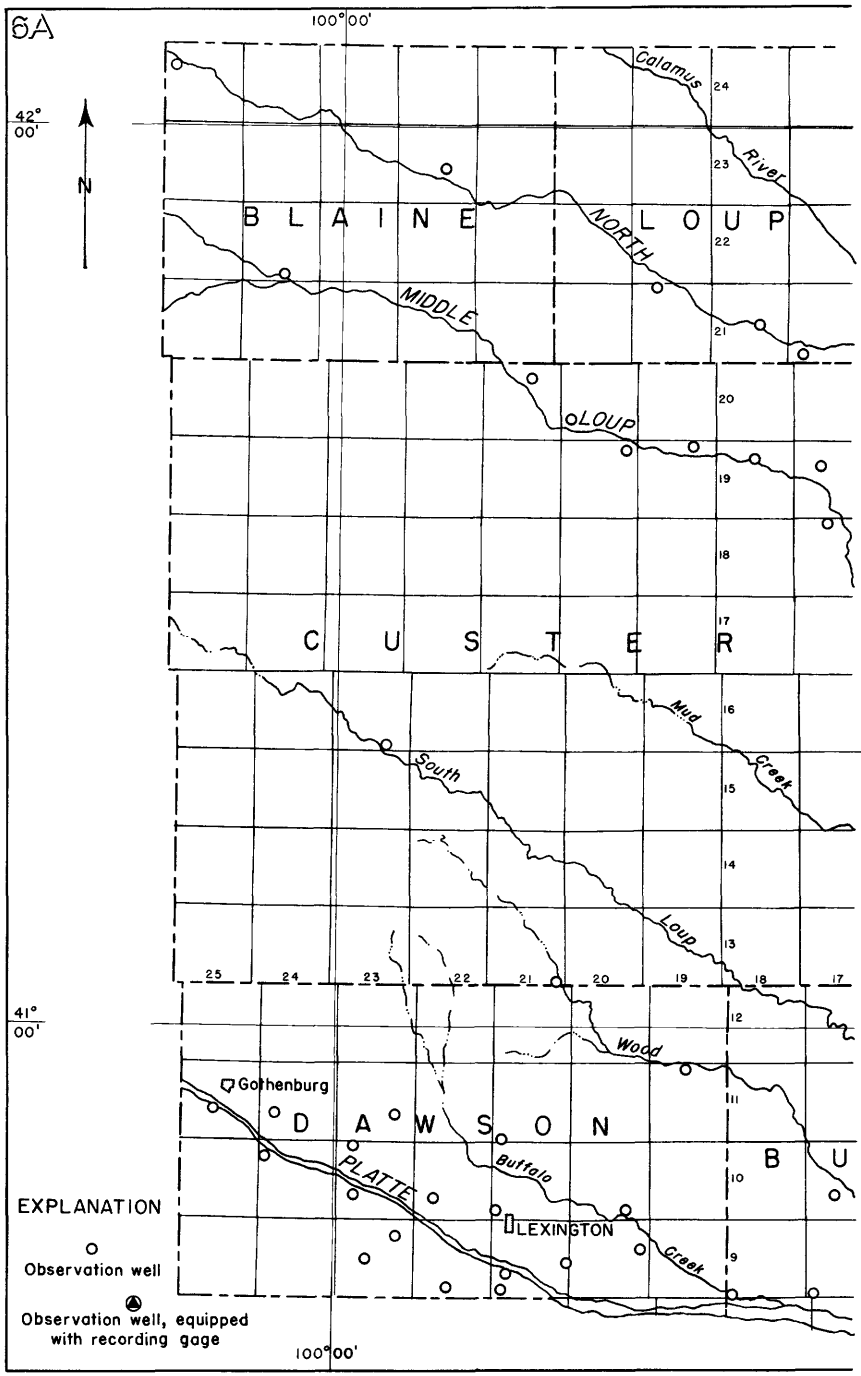
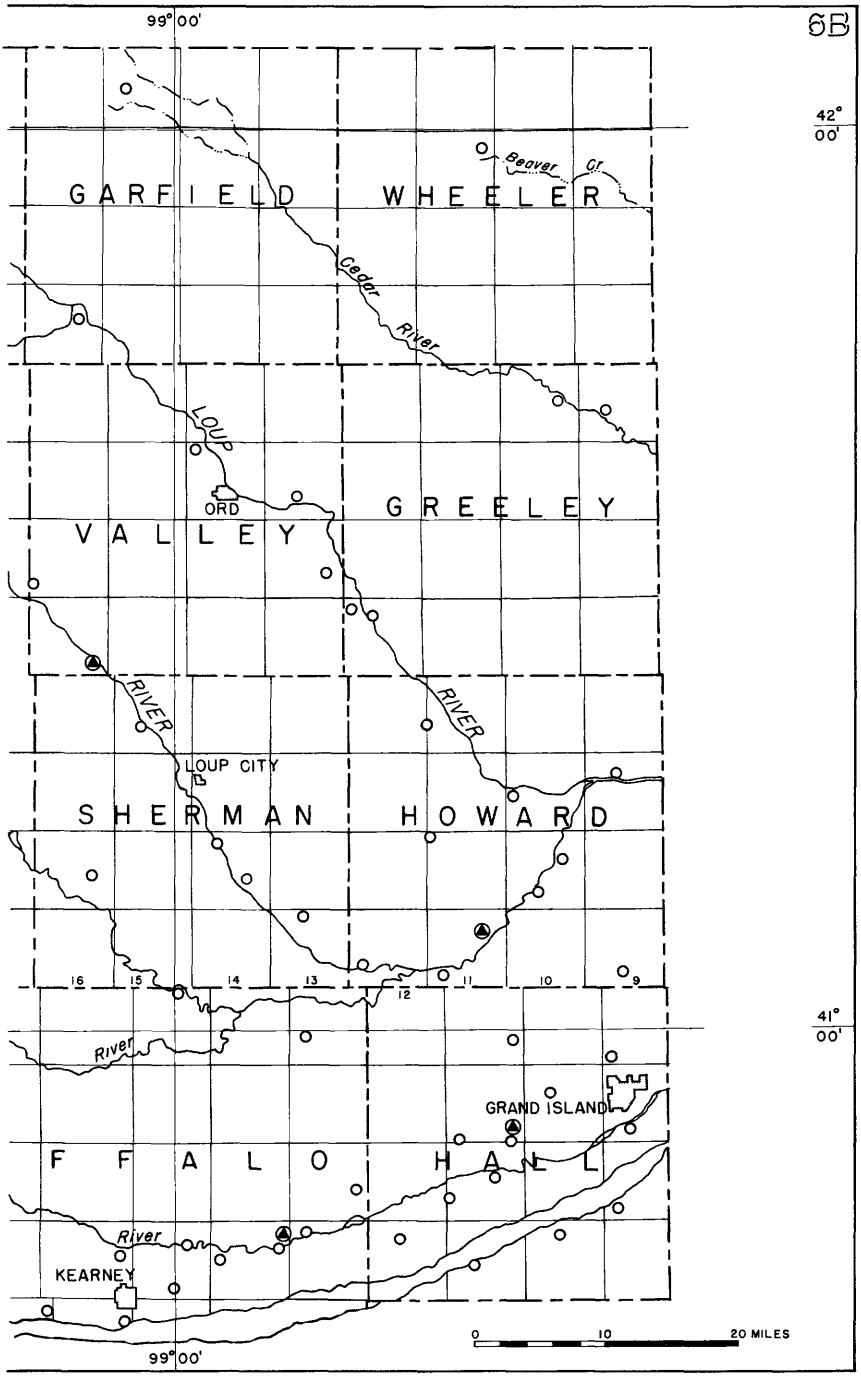


Figure 24. --Location of observation wells in Blaine, Buffalo, Custer, Dawson, Garfield,



Greeley, Hall, Howard, Loup, Sherman, Valley, and Wheeler Counties, Nebr., 1955.

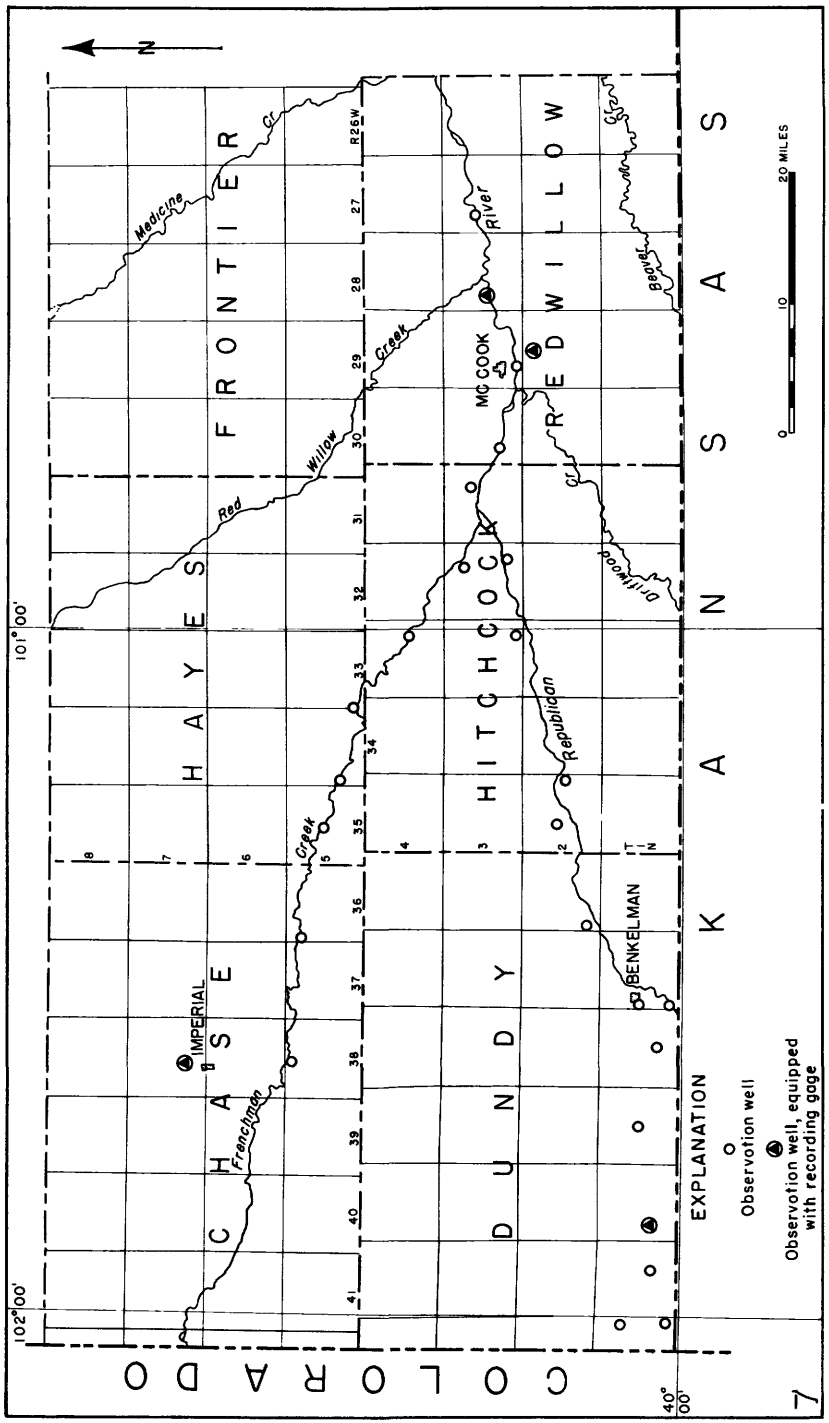


Figure 25.--Location of observation wells in Chase, Dundy, Hayes, Hitchcock, and Redwillow Counties, Nebr., 1955.

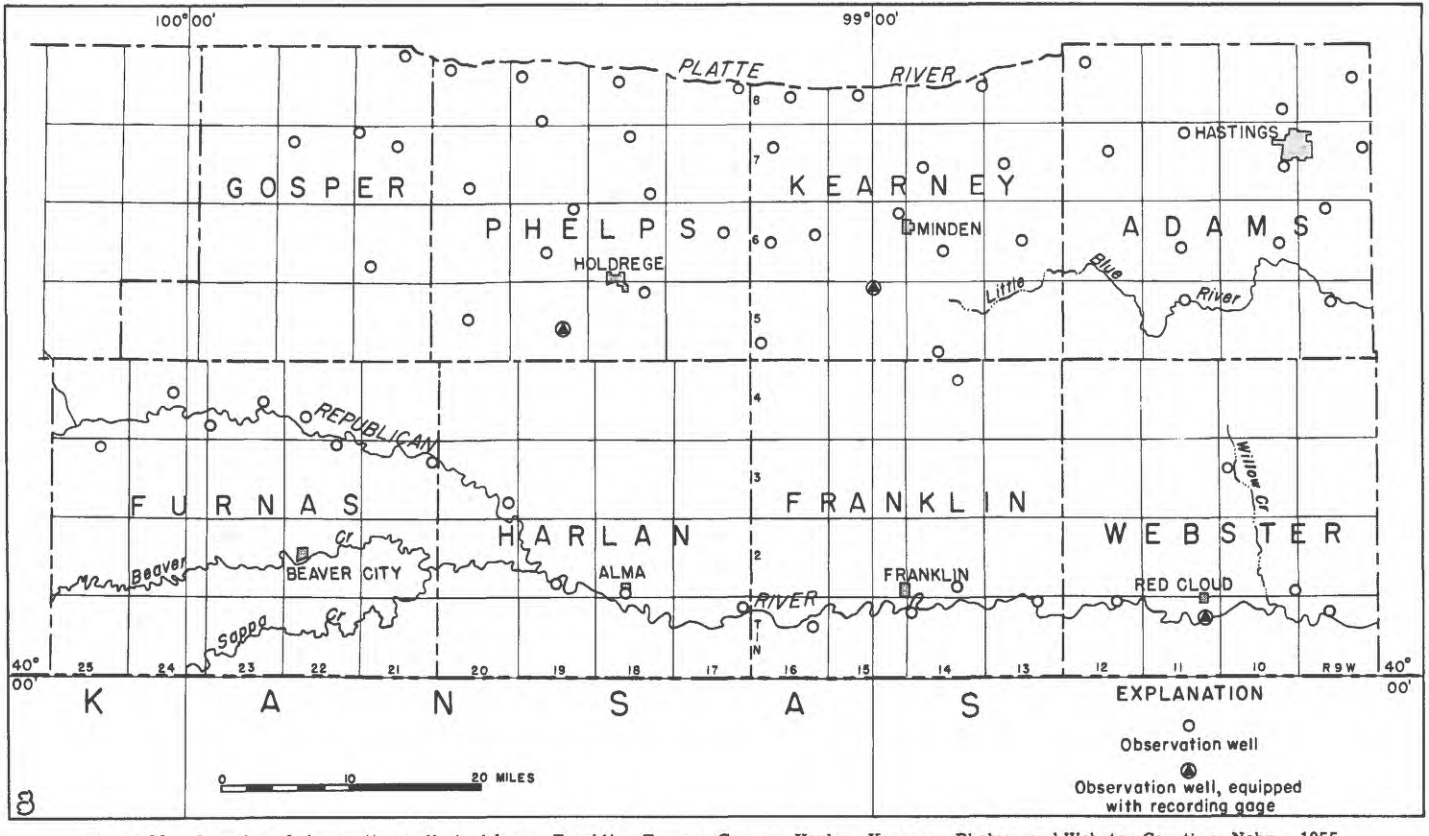


Figure 26. --Location of observation wells in Adams, Franklin, Furnas, Gosper, Harlan, Kearney, Phelps, and Webster Counties, Nebr., 1955.

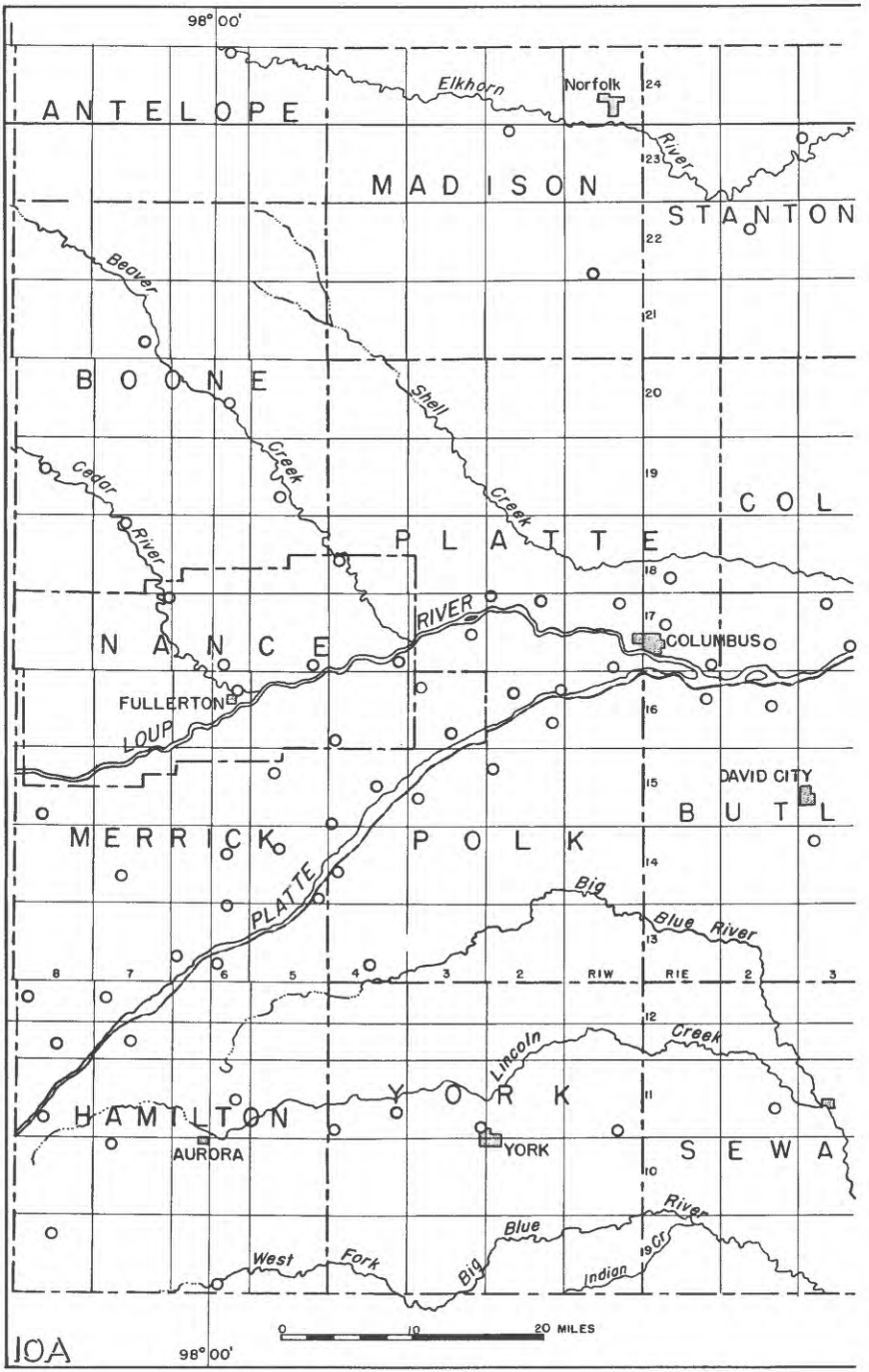
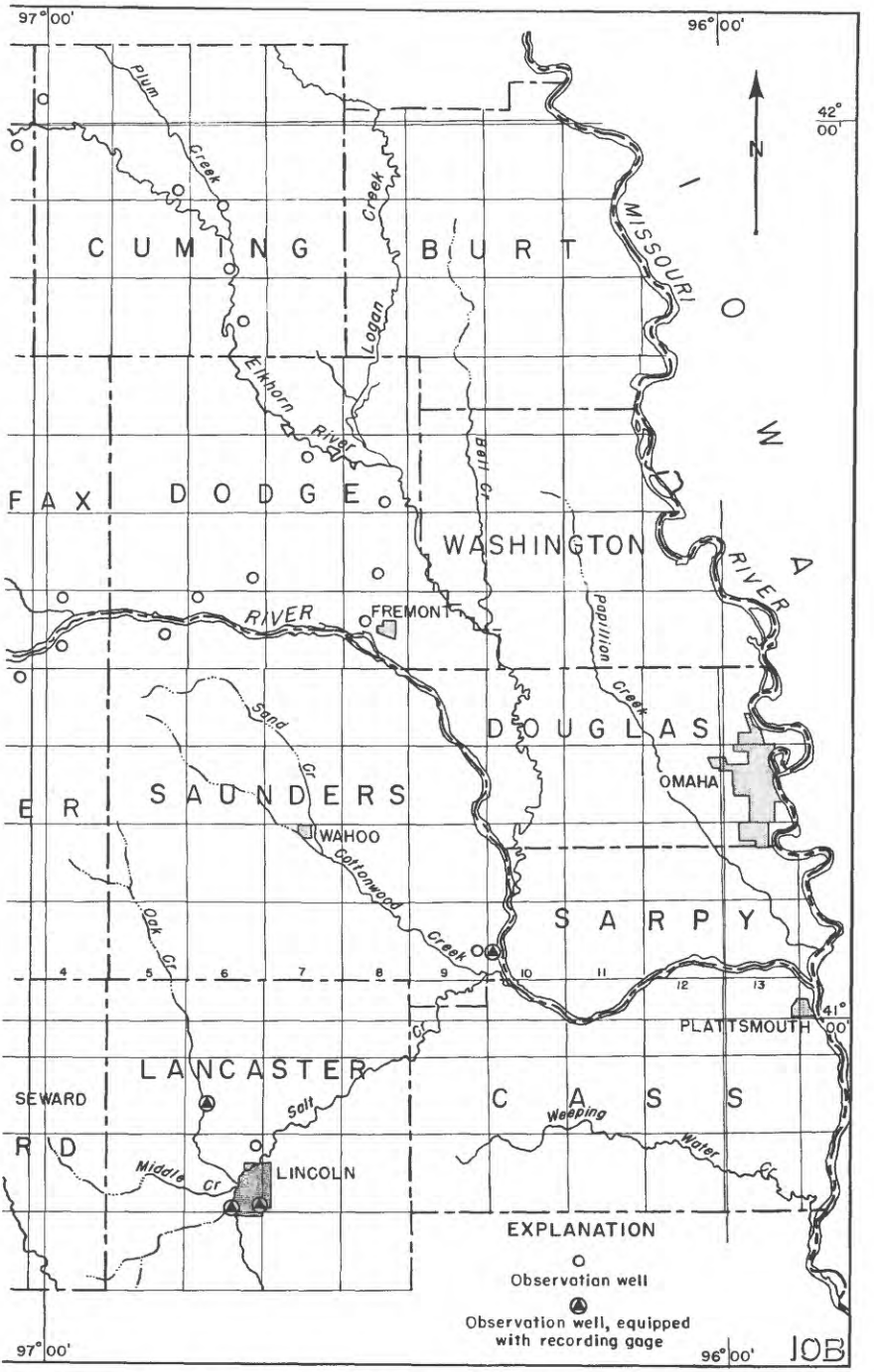


Figure 27. --Location of observation wells in Antelope, Boone, Merrick, Nance, Platte, Polk, Saunders,



Butler, Colfax, Cuming, Dodge, Hamilton, Lancaster, Madison, Seward, Stanton, and York Counties, Nebr., 1955.

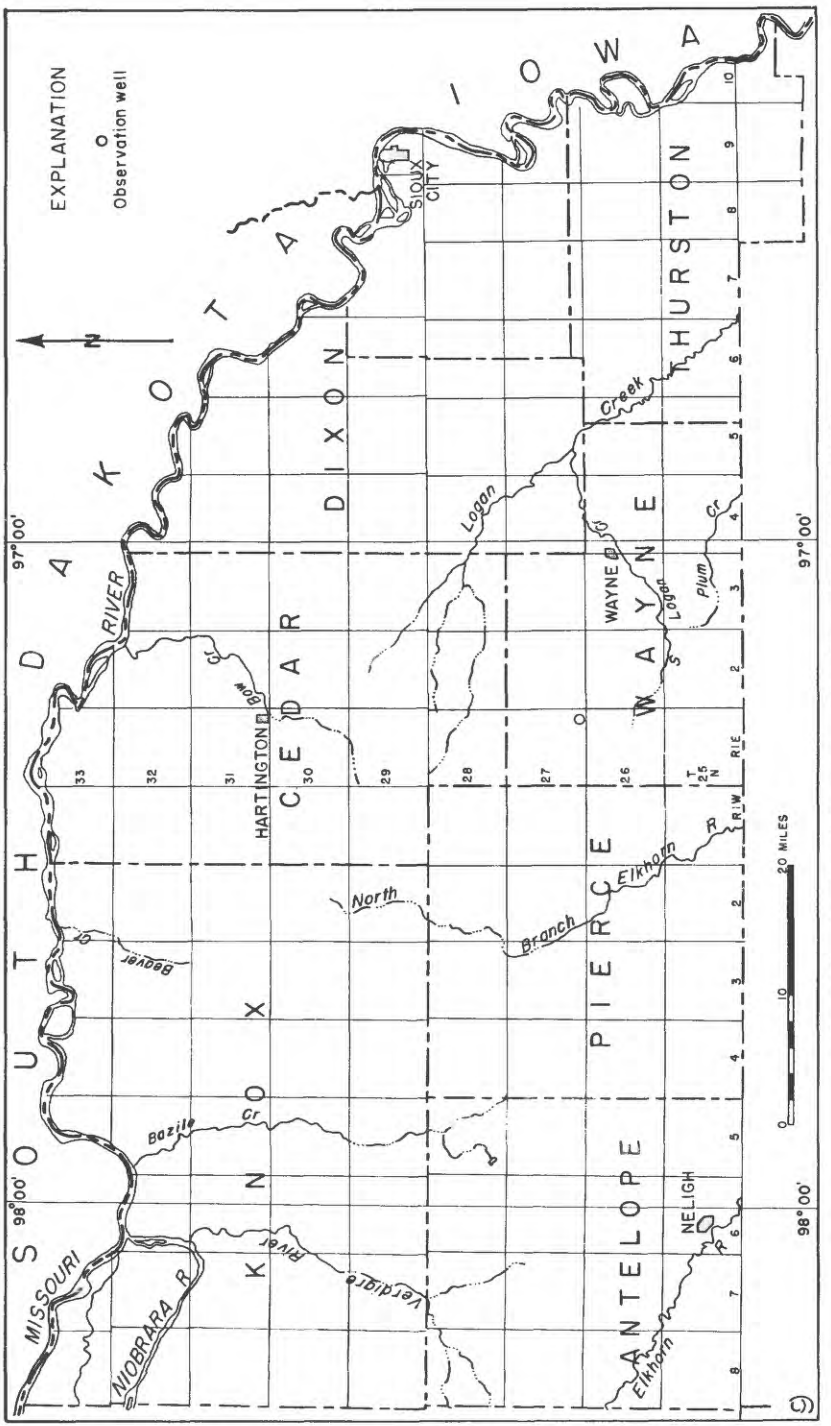


Figure 28.--Location of observation well in Wayne County, Nebr., 1955.

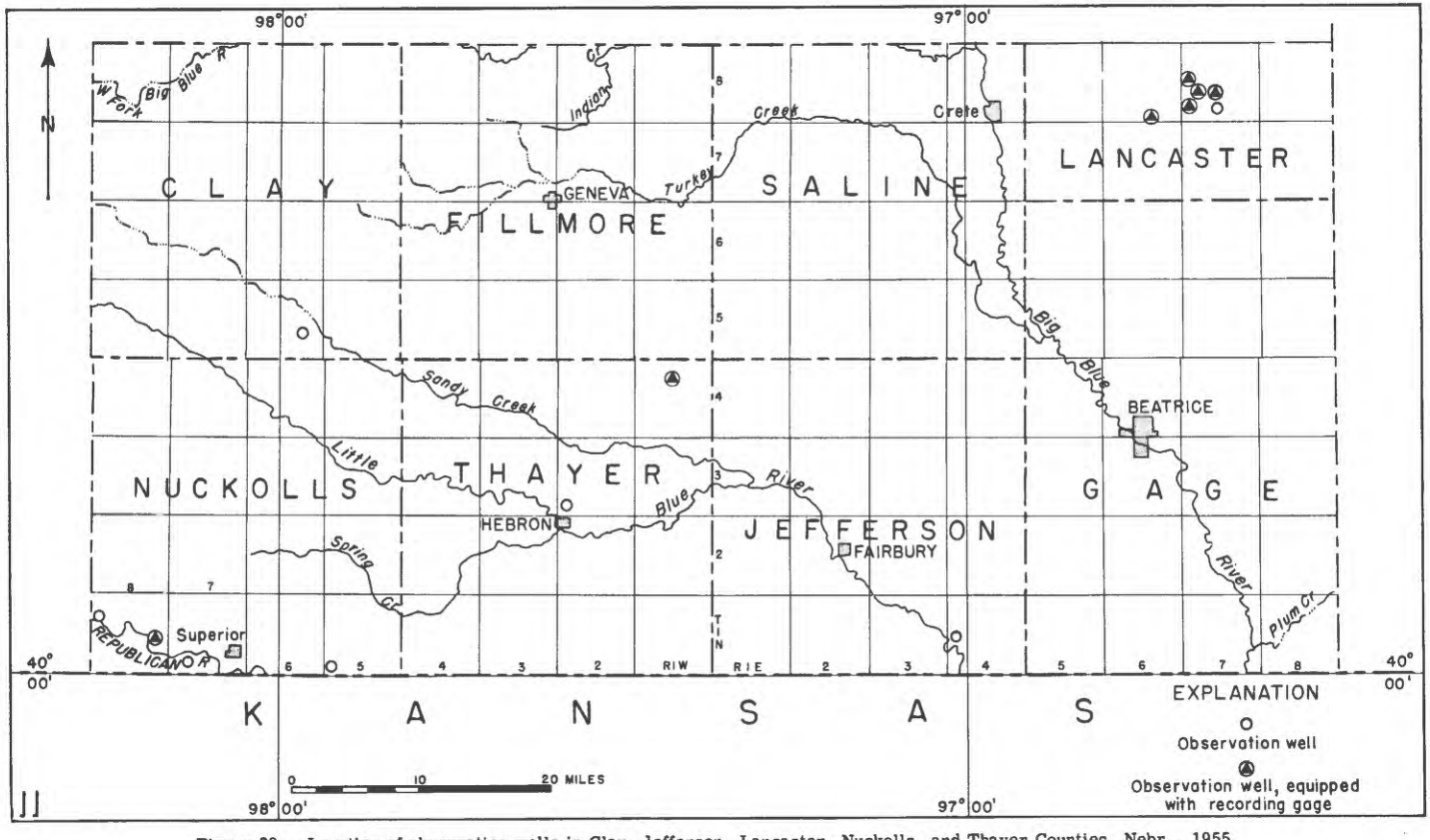


Figure 29.--Location of observation wells in Clay, Jefferson, Lancaster, Nuckolls, and Thayer Counties, Nebr., 1955.

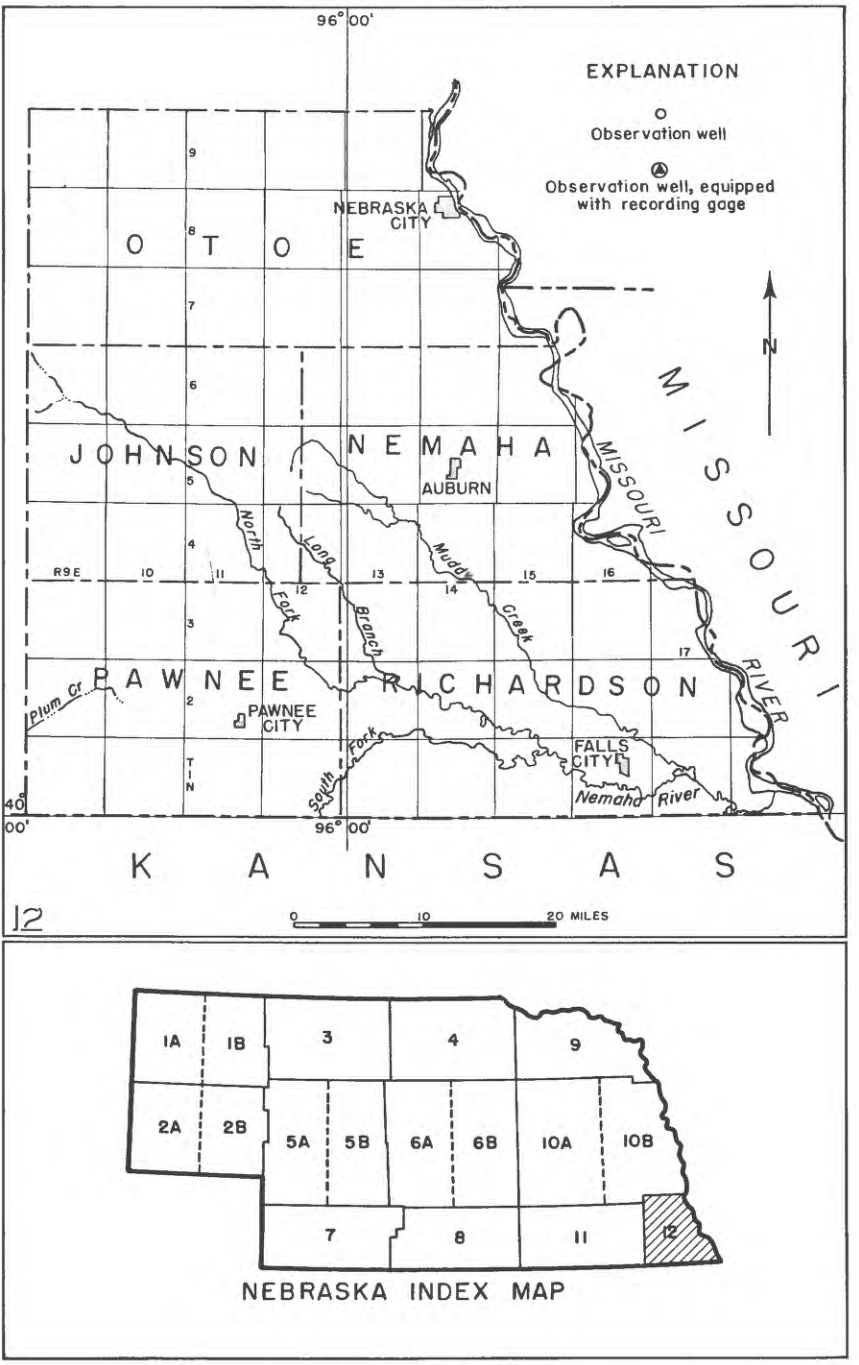


Figure 30. --Index map of Nebraska.

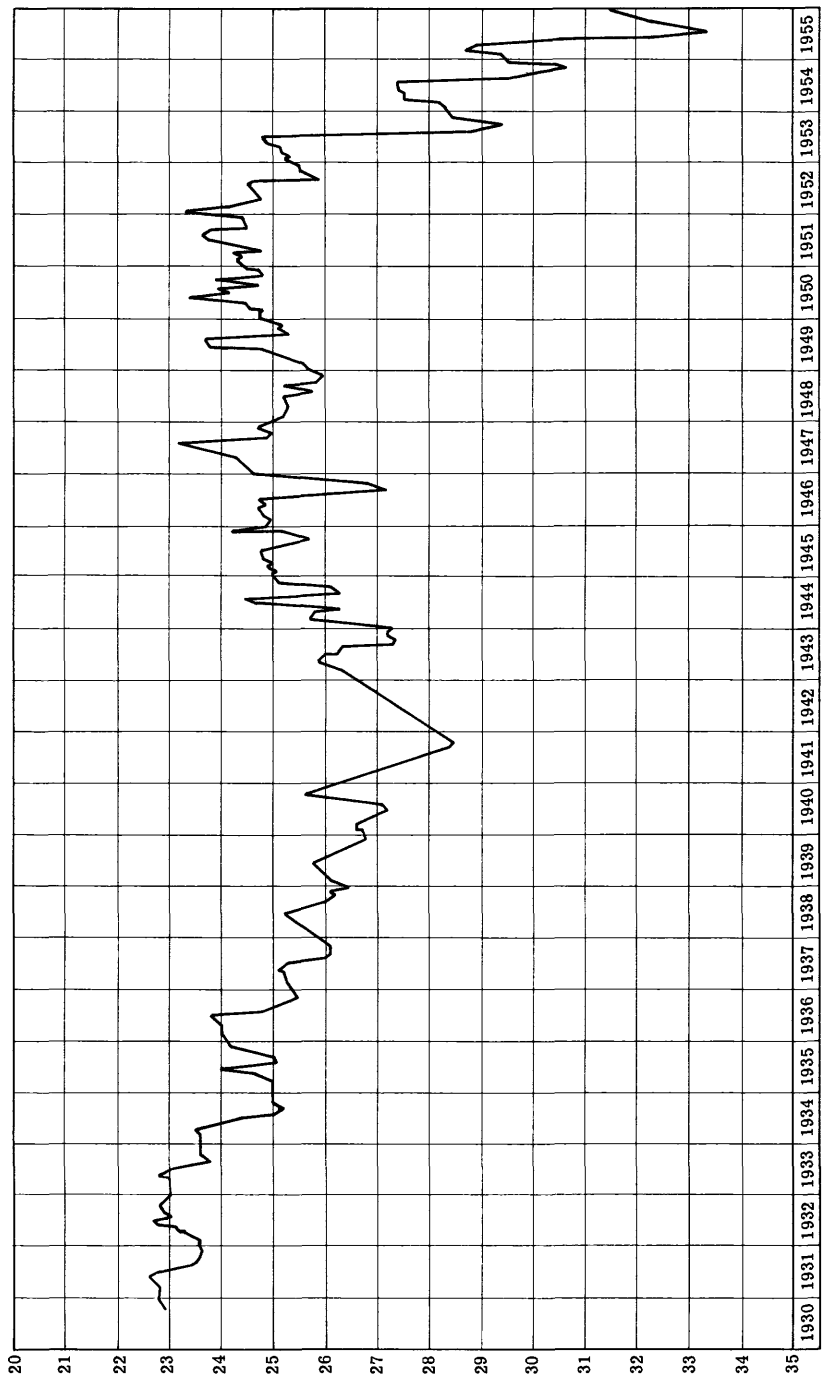


Figure 31. --Water level in well 9-14-19dd in lower Platte River valley, Buffalo County, Nebr., 1930-55.

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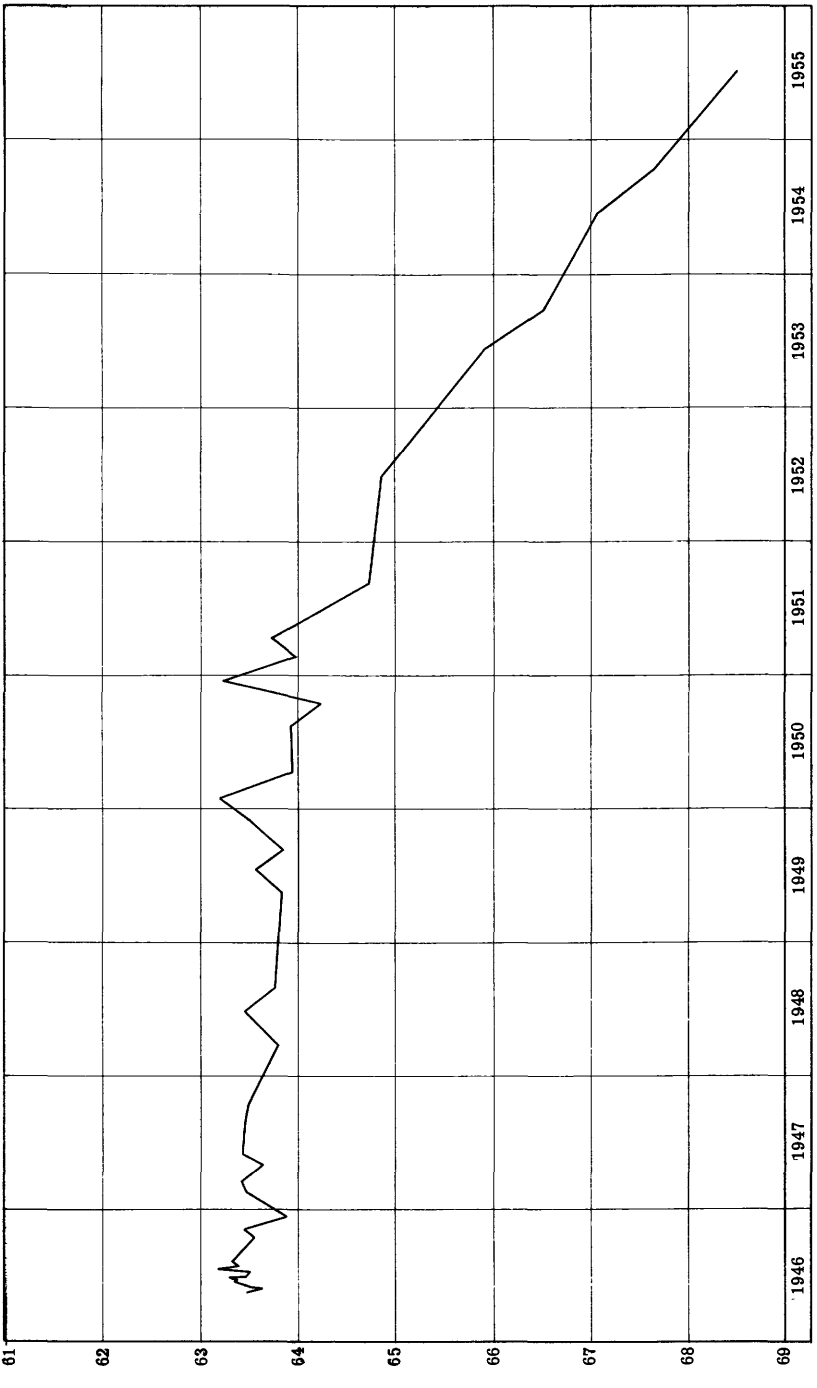

Figure 32. --Water level in well 25-48-4ddd1, Box Butte County, Nebr., 1946-55.

Figure 33.--Water level in well 6-19-21dc, Phelps County, Nebr., 1948-55.

The number of irrigation wells in the State is now more than 14,600. More than 7,000 are in the lower Platte River valley in Dawson, Buffalo, Hall, and Merrick Counties. In 1955, however, the greatest expansion of ground-water development was made in the upland area south of the Platte River in Adams, Clay, Fillmore, Hamilton, Kearney, and York Counties, where more than 1,000 deep irrigation wells were installed.

Interpretation of Water-Level Fluctuations

Water levels fluctuate in response to precipitation, surface runoff in streams, the amount of water pumped from wells, and the amount of water withdrawn by vegetation. Figure 31 shows a hydrograph of the water-level fluctuations in Buffalo County well 9-14-19dd, an irrigation well east of Kearney in the lower Platte River valley, an area heavily pumped for irrigation. The water-level fluctuations in this well reflect the regional water-level fluctuations. The graph shows a secular decline of the water table during the 1930's, the lowest point being reached in October 1941, after which it began an upward trend that reached a maximum in January 1952--less than a foot lower than the record high in 1931. The rising water table during the years 1942-52 was the result of recharge to the ground-water reservoir by increased precipitation. As the 4-year period 1952-55 was deficient in precipitation, recharge to the reservoir was relatively low. Low recharge, coupled with increased withdrawals of ground water, caused the water table to decline at a more rapid rate than at any other time during the period of record. The water table was at a record low in September 1955. Ordinarily, the reservoir is recharged by rainfall and by seepage from the Platte River during the fall and winter, but these seasons have been very dry for the past 4 years and there has been little or no flow in the river.

In Box Butte County, use of ground water for irrigation has more than doubled during the past 10 years. The number of irrigation wells increased from 75 in 1946 to 165 in 1955. It is estimated that 15,000 acre-feet of water was pumped in 1955. Box Butte County has been subjected to severe drought during the past several years; consequently, recharge to the ground-water reservoir has been lower than average. At the end of the irrigation season in 1955, the water levels in wells were at the lowest stages of record. A hydrograph of Box Butte County well 25-48-4ddd1, 2 miles west and 4 miles north of Alliance, is shown in figure 32. The fluctuations of water level in this well reflect the regional water-table fluctuations in the region of the tablelands north of Alliance. The hydrograph shows that the water table has declined more than 5 feet during the period of record 1946-55.

The seepage from canals, reservoirs, and irrigated lands is an important source of recharge to ground-water reservoirs in parts of Nebraska. Systems of canals and reservoirs extend along the upland on the south side of the South Platte and the Platte Rivers from the Keith-Lincoln County line southeastward to Phelps County, thence northeastward to Adams County. The seepage from the various parts of this system is considerable, and the water table has risen significantly in this area. The hydrograph (fig. 33) of the fluctuation of the water level in Phelps County well 6-19-21dc illustrates the progressive rise of the water table at that point. The water level in the well rose more than 13.5 feet during the period 1948-55.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. Thus, the number A1-10-27adc indicates that the well is in the $SW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$ sec. 27, T. 1 N., R. 10 E. The first lowercase letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. The letters are assigned in a counterclockwise direction, beginning in the northeast quarter. When there are more wells than one in the smallest tract, numbers are added as suffixes. The State has been divided into two principal divisions. The well numbers east of the sixth principal meridian are preceded by the capital letter A. Those west of the sixth principal meridian have no preceding letter.

Well Descriptions and Water-Level Measurements

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

Adams County

5-9-9dc. Dan McClarry. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 142 feet. Land-surface datum is 1,794.23 feet above msl. Highest water level 35.65 below lsd, May 26, 1949; lowest 38.01 below lsd, Aug. 19, 1953. Records available: 1947-55. Dec. 6, 37.73.

5-11-10cb. U. S. Geol. Survey. Drilled and driven observation water-table well in sand and gravel, diameter $1\frac{1}{4}$ inches, depth 13 feet. Highest water level 4.78 below lsd, Dec. 16, 1954; lowest 5.46 below lsd, Dec. 6, 1955. Records available: 1954-55. Dec. 6, 5.46.

6-9-4cb. J. P. Larson. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 145 feet. Land-surface datum is 1,891.85 feet above msl. Highest water level 102.62 below lsd, June 17, 1952; lowest 103.78 below lsd, Aug. 19, 1953. Records available: 1947-55. Dec. 6, 103.71.

6-10-23bb. U. S. Geol. Survey. Driven observation water-table well in sand and clay, diameter 1 inch, depth 18 feet. Land-surface datum is 1,815.27 feet above msl. Highest water level 2.05 below lsd, May 26, 1949; lowest 10.43 below lsd, Apr. 12, 1937. Records available: 1936-40, 1942, 1946-55. Dec. 6, 7.53.

6-11-22cc. Lenard Parr. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 145 feet. Highest water level 90.26 below lsd, Oct. 24, 1951; lowest 91.93 below lsd, Dec. 6, 1955. Records available: 1950-55. Dec. 6, 91.93.

7-9-12dc. Eugene Halloran. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 205 feet. Land-surface datum is 1,890.48 feet above msl. Highest water level 110.61 below lsd, June 17, 1952; lowest 111.96 below lsd, Dec. 6, 1955. Records available: 1948-55. Dec. 6, 111.96.

7-10-23ab. Henry Fricke. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 155 feet. Land-surface datum is 1,927 feet above msl. Highest water level 99.95 below lsd, Jan. 22, Mar. 14, 1935; lowest 103.64 below lsd, Dec. 30, 1955. Records available: 1934-38, 1948-55. Dec. 30, 103.64.

7-11-3cb. Vic Katzberg. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 182 feet. Land-surface datum is 2,020.04 feet above msl. Highest water level 110.74 below lsd, June 17, 1952; lowest 112.20 below lsd, May 11, 1948. Records available: 1947-55. Dec. 30, 111.80.

7-12-15ca. Roscoe Karr. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 180 feet. Land-surface datum is 2,056.9 feet above msl. Highest water level 94.63 below lsd, Dec. 16, 1954; lowest 98.05 below lsd, Nov. 17, 1947. Records available: 1947-51, 1954-55. Dec. 30, 95.40.

8-9-14ac. Charles Anderson. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 149 feet. Land-surface datum is 1,907.71 feet above msl. Highest water level 107.78 below lsd, June 17, 1952; lowest 113.35 below lsd, Aug. 6, 1949. Records available: 1948-52, 1954. No measurement made in 1955.

8-10-26da. Staltz. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 162 feet. Highest water level 96.10 below lsd, Aug. 22, 1951; lowest 98.61 below lsd, Dec. 6, 1955. Records available: 1948-52, 1954-55. Dec. 6, 98.61.

8-12-8ab. E. Woodman. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 85 feet. Land-surface datum is 2,009.14 feet above msl. Highest water level 6.15 below lsd, July 8, 1949; lowest 10.98 below lsd, Dec. 30, 1955. Records available: 1946-55. Dec. 30, 10.98.

Antelope County

24-6-2aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 10 feet. Highest water level 0.05 below lsd, May 29, 1951; lowest 7.88 below lsd, Sept. 12, 1935. Records available: 1934-42, 1944-55. Dec. 20, 2.90.

Arthur County

17-38-21bd. U. S. Geol. Survey. Drilled observation water-table well in fine sand, diameter 2 inches, depth 65 feet. Highest water level 29.48 below lsd, Dec. 4, 1934; lowest 33.23 below lsd, Aug. 24, 1953. Records available: 1934-42, 1944, 1951-53. No measurement made in 1955.

Banner County

19-54-15bb. Bert Rodgers. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 50 feet. Highest water level 22.40 below lsd, July 13, 1949; lowest 32.81 below lsd, Sept. 19, 1952. Records available: 1949-52, 1954. No measurement made in 1955.

19-55-29ac. Fred Grant. Dug unused water-table well in sand of Pleistocene age, concrete lining, size 6 by 8 feet, depth 44 feet. Highest water level 26.38 below lsd, Oct. 27, 1938; lowest 36.40 below lsd, May 18, 1951. Records available: 1934-42, 1949-55. Nov. 9, 27.06.

Blaine County

22-24-33ca. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 13 feet. Highest water level 1.04 below lsd, Mar. 8, 1950; lowest 6.97 below lsd, Aug. 8, 1951. Records available: 1934-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	4.28	Apr. 21	3.83	July 12	4.76	Oct. 3	5.05
25	4.28	May 5	4.05	28	5.29	18	5.05
Feb. 8	4.20	17	4.44	Aug. 8	5.00	31	4.87
23	4.05	June 2	4.53	23	4.80	Nov. 15	4.28
Mar. 9	3.54	13	4.33	Sept. 8	5.73	29	4.58
23	3.42	27	3.94	13	5.68	Dec. 13	4.35
Apr. 2	3.44	July 11	4.72	20	5.67	27	4.15
6	3.64						

23-22-22cb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 22 feet. Land-surface datum is 2,496.6 feet above msl. Highest water level 15.43 below lsd, Oct. 18, 1951; lowest 18.12 below lsd, July 23, 1940. Records available: 1936-42, 1949-55. Apr. 2, 16.05; Sept. 13, 16.86.

24-25-7aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 14 feet. Highest water level 4.89 below lsd, Apr. 2, 1937; lowest 6.56 below lsd, Aug. 31, 1954. Records available: 1936-42, 1954-55. Sept. 14, 5.74.

Boone County

18-7-4ca. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 22 feet. Highest water level 10.82 below lsd, July 24, 1950; lowest 15.17 below lsd, Oct. 26, 1940. Records available: 1937-42, 1948-55. Mar. 22, 13.38.

19-5-28cd. Lawrence Bryan. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, reported depth 147 feet. Highest water level 31.62 below lsd, July 25, 1950; lowest 36.53 below lsd, Aug. 17, 1954. Records available: 1948-55. Mar. 23, 34.24.

19-8-16cc. Charles J. Dresch. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, reported depth 165 feet. Highest water level 43.66 below lsd, May 8, 1951; lowest 46.11 below lsd, Aug. 4, 1949. Records available: 1948-55. Mar. 22, 44.64.

20-6-23bb. W. W. Redler. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 22 inches, depth 100 feet. Highest water level 28.15 below lsd, July 25, 1950; lowest 33.18 below lsd, Aug. 17, 1954. Records available: 1948-55. Mar. 23, 31.67.

21-7-26ca. U. S. Geol. Survey. Drilled observation water-table well in loess of Pleistocene age, diameter 3 inches, depth 24 feet. Highest water level 14.13 below lsd, Aug. 22, 1950; lowest 21.07 below lsd, Oct. 14, 1938. Records available: 1936-42, 1948-51, 1953, 1955. Mar. 23, 16.23.

Box Butte County

24-47-1db. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 19 feet. Land-surface datum is 3,909.4 feet above msl. Highest water level 11.14 below lsd, Mar. 25, 1948; lowest 13.36 below lsd, Oct. 17, 1955. Records available: 1946-55. July 12, 13.12; Oct. 17, 13.36.

24-48-10bb. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 26 feet. Land-surface datum is 3,941.1 feet above msl. Highest water level 9.82 below lsd, July 14, 1949; lowest 16.23 below lsd, Oct. 17, 1955. Records available: 1946-55. July 12, 15.35; Oct. 17, 16.23.

24-52-13cbb1. Dr. G. D. Shepard. Drilled domestic water-table well in sand of Tertiary age, diameter 6 inches, depth 85 feet. Highest water level 74.35 below lsd, Sept. 14, 1949; lowest 78.66 below lsd, July 12, 1955. Records available: 1938, 1940, 1942, 1944, 1946-52, 1954-55. July 12, 78.66.

24-52-35aa. G. Arthur Bailey. Drilled stock water-table well in Harrison sandstone of Tertiary age, diameter 4 inches, depth 120 feet. Highest water level 97.61 below lsd, July 22, 1940; lowest 99.13 below lsd, May 9, 1946. Records available: 1938-41, 1946-51, 1954-55. July 12, 98.48.

25-48-4ddd1. U. S. Geol. Survey. Drilled observation water-table well in sand of Marsland formation of Tertiary age, diameter $1\frac{1}{4}$ inches, depth 98 feet. Land-surface datum is 4,032.95 feet above msl. Highest water level 63.14 below lsd, Jan. 25, 1950; lowest 68.54 below lsd, July 12, 1955. Records available: 1946-55. July 12, 68.54.

25-48-30ad. Mrs. Effie A. Wells. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 21 feet. Highest water level 12.54 below lsd, July 11, 1946; lowest 17.59 below lsd, Sept. 19, 1954. Records available: 1938-42, 1944, 1946-47, 1949-55. July 12, 16.01; Oct. 17, 16.36.

25-50-31ab1. Martin Jacobsen. Drilled unused water-table well in sand of Arikaree group of Tertiary age, diameter 6 inches, depth 109 feet. Land-surface datum is 4,220.29 feet above msl. Highest water level 100.52 below lsd, Jan. 23, 1950; lowest 103.41 below lsd, Oct. 20, 1941. Records available: 1934-42, 1944, 1946-51, 1953-55. July 12, 102.08.

26-47-35dd. U. S. Geol. Survey. Driven observation water-table well in sandstone of Ogallala formation of Tertiary age, diameter $1\frac{1}{4}$ inches, depth 15 feet. Land-surface datum is 3,900.9 feet above msl. Highest water level 11.83 below lsd, Mar. 26, 1948; lowest 15.50 below lsd, Oct. 17, 1955. Records available: 1946-55. July 12, 14.61; Oct. 17, 15.50.

26-50-12dc. Mrs. L. A. Rosenberg. Dug domestic water-table well in sandstone of Tertiary age, concrete lining, diameter 4 feet, depth 106 feet. Land-surface datum is 4,231.51 feet above msl. Highest water level 99.59 below lsd, Sept. 19, 1954; lowest 102.38 below lsd, Nov. 12, 1946. Records available: 1938-42, 1946-51, 1953-55. July 12, 100.84.

26-51-25bcc1. O. T. Wilkins. Drilled stock water-table well in sandstone of Tertiary age, diameter 4 inches, depth 108 feet. Land-surface datum is 4,299.23 feet above msl. Highest water level 94.24 below lsd, June 16, 1953; lowest 96.50 below lsd, Feb. 19, 1947. Records available: 1938-42, 1944, 1946-51, 1953-55. July 12, 95.14.

26-52-10bc. G. E. Dyer. Drilled irrigation water-table well in Harrison sandstone of Tertiary age, diameter 24 inches, depth 198 feet. Land-surface datum is 4,436 feet above msl. Highest water level 93.37 below lsd, July 22, 1938; lowest 105.56 below lsd, Sept. 19, 1954. Records available: 1938-40, 1942, 1946-55. July 12, 97.12.

27-47-23bad. J. F. Shramek. Drilled unused water-table well in Harrison sandstone of Tertiary age, diameter 6 inches, depth 64 feet. Land-surface datum is 3,889.77 feet above msl. Highest water level 16.34 below lsd, Sept. 13, 1949; lowest 29.94 below lsd, Nov. 2, 1940. Records available: 1938-42, 1944, 1946-52, 1954-55. July 12, 17.72.

27-49-21cb. Edward S. Wildy. Drilled stock water-table well in sand of Arikaree group of Tertiary age, diameter 4 inches, depth 156 feet. Highest water level 115.45 below lsd, Sept. 13, 1949; lowest 119.41 below lsd, Oct. 20, 1941. Records available: 1935-42, 1944-55. July 12, 116.87.

27-51-6bb. Louis Homrighausen. Drilled unused water-table well in Harrison sandstone of Tertiary age, diameter 6 inches, depth 225 feet. Land-surface datum is 4,493.56 feet above msl. Highest water level 218.92 below lsd, Sept. 27, 1953; lowest 223.55 below lsd, Nov. 22, 1949. Records available: 1946-55. July 12, 220.09.

28-51-6dd. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 11 feet. Land-surface datum is 4,115.33 feet above msl. Highest water level 1.62 below lsd, Jan. 24, 1950; lowest 4.18 below lsd, Sept. 19, 1954. Records available: 1935-42, 1944-51, 1953-55. July 12, 3.88.

Brown County

30-21-19cc. Consumers Public Power District. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 57 feet. Land-surface datum is 2,509.07 feet above msl. Highest water level 34.40 below lsd, Oct. 23-25, 29, 1952; lowest 40.12 below lsd, Jan. 13, 1948. Records available: 1947-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	36.52	.....	36.65	36.84	37.21	37.32	37.89	39.05	39.22	38.84	38.61
2	.....	36.54	.....	36.64	36.87	37.19	37.33	37.91	39.09	39.19	38.84	38.60
3	36.46	36.54	.....	36.61	36.87	37.19	37.33	37.94	39.11	39.18	38.84	38.60
4	36.46	36.58	.....	36.65	36.89	37.20	37.34	37.98	39.14	39.18	38.82	38.59
5	36.46	36.57	.....	36.67	36.89	37.20	37.35	38.02	39.16	39.16	38.81	38.53

30-21-19cc--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	36.47	36.58	.....	36.71	36.90	37.20	37.35	38.05	39.19	39.16	38.80	38.48
7	36.47	36.58	.....	36.71	36.91	37.21	37.37	38.09	39.21	39.15	38.80	38.45
8	36.46	36.57	36.60	36.71	36.91	37.21	37.38	38.11	39.23	39.13	38.79	38.44
9	36.47	36.58	36.61	36.70	36.93	37.22	37.39	38.16	39.28	39.12	38.77	.....
10	36.47	36.59	36.62	36.70	36.93	37.23	37.40	38.20	39.30	39.10	38.76	.....
11	36.46	36.60	36.64	36.70	36.94	37.24	37.42	38.23	39.32	39.08	38.74	.....
12	36.47	36.60	36.63	36.71	36.95	37.24	37.43	38.27	39.33	39.08	38.74	.....
13	36.47	36.60	36.64	36.71	36.97	37.24	37.45	38.30	39.35	39.07	38.74	.....
14	36.47	36.60	36.64	36.71	36.97	37.24	37.45	38.35	39.36	39.05	38.74	.....
15	36.47	36.60	36.65	36.71	36.99	37.27	37.48	38.39	39.37	39.03	38.72	.....
16	36.47	36.60	36.65	36.71	37.01	37.27	37.50	38.42	39.38	39.03	38.72	.....
17	36.49	36.60	36.64	36.72	37.02	37.28	37.53	38.46	39.38	39.01	38.71	.....
18	36.49	36.60	36.64	36.70	37.03	37.29	37.55	38.50	39.38	39.00	38.70	.....
19	36.49	36.60	36.64	36.69	37.04	37.29	37.57	38.54	39.38	38.99	38.70	.....
20	36.49	.....	36.64	36.71	37.07	37.29	37.58	38.58	39.38	38.98	38.69	.....
21	36.49	.....	36.64	36.71	37.08	37.30	37.61	38.62	39.36	38.97	38.68	.....
22	36.49	.....	36.63	36.71	37.12	37.30	37.63	38.67	39.36	38.95	38.67	.....
23	36.49	.....	36.65	36.74	37.13	37.29	37.65	38.71	39.35	38.95	38.67	.....
24	36.50	.....	36.65	36.76	37.13	37.29	37.67	38.74	39.34	38.94	38.66	.....
25	36.52	.....	36.65	36.77	37.15	37.29	37.69	38.77	39.32	38.92	38.66	.....
26	36.52	.....	36.66	36.77	37.16	37.29	37.72	38.80	39.33	38.91	38.65	.....
27	36.52	.....	36.66	36.80	37.18	37.28	37.74	38.86	39.27	38.90	38.65	.....
28	36.52	.....	36.64	36.82	37.20	37.28	37.77	38.91	39.24	38.90	38.64	.....
29	36.52		36.63	36.83	37.20	37.27	37.80	38.95	39.23	38.89	38.63	.....
30	36.52		36.64	36.83	37.20	37.28	37.83	38.98	39.23	38.88	38.62	.....
31	36.52		36.65		37.20		37.87	39.01		38.87		.....

30-22-27dc. T. S. Bower. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 9 inches, depth 59 feet. Land-surface datum is 2,533.79 feet above msl. Highest water level 12.40 below lsd, July 5, 1951; lowest 19.11 below lsd, Sept. 13, 1955. Records available: 1934-45, 1947-55. Mar. 30, 16.44; Sept. 13, 19.11; Oct. 18, 17.09.

30-23-13bc. M. A. Miles. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 80 feet. Land-surface datum is 2,572.7 feet above msl. Highest water level 35.75 below lsd, Apr. 23, 1952; lowest 39.50 below lsd, Nov. 20, 1944. Records available: 1941, 1944, 1947-55. Mar. 29, 36.77; Sept. 13, 38.53; Oct. 18, 38.79.

30-23-21bc. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 13 feet. Land-surface datum is 2,583.47 feet above msl. Highest water level 0.29 below lsd, Apr. 23, 1952; lowest 3.55 below lsd, Oct. 18, 1955. Records available: 1950-55. Mar. 30, 1.73; July 14, 3.43; Oct. 18, 3.55.

Buffalo County

8-16-12cc. M. M. Garvin. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 29 feet. Land-surface datum is 2,139.27 feet above msl. Highest water level 1.58 below lsd, May 9, 1933; lowest 7.83 below lsd, Sept. 21, 1955. Records available: 1930, 1932-55. Apr. 19, 5.83; June 29, 5.97, measurement by Midstate Reclamation District; Sept. 21, 7.83; Oct. 17, 6.77, measurement by Midstate Reclamation District.

8-17-1da. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 18 feet. Land-surface datum is 2,185.52 feet above msl. Highest water level 4.18 below lsd, Oct. 7, 1946; lowest 11.90 below lsd, Nov. 3, 1934. Records available: 1931-55. Apr. 19, 7.84; Sept. 21, 7.81.

9-13-5cb. F. M. Scott. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 52 feet. Land-surface datum is 2.050.13 feet above msl. Highest water level 16.54 below lsd, May 20, 1931; lowest 28.07 below lsd, Sept. 21, 1955. Records available: 1930-55. June 29, 23.97, measurement by Midstate Reclamation District; Sept. 21, 28.07.

9-14-1dc. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 37 feet. Land-surface datum is 2,060.43 feet above msl. Highest water level 15.36 below lsd, June 11, 1952; lowest 24.94 below lsd, Sept. 21-22, 1955. Records available: 1946-55.

9-14-1dc--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.23	22.15	22.06	21.95	21.83	21.94	21.75	22.94	.....	24.68	24.35	24.25
2	22.23	22.15	22.05	21.95	21.83	21.93	21.75	23.05	.....	24.66	24.35	24.25
3	22.23	22.15	22.05	21.95	21.84	21.92	21.75	23.15	.....	24.64	24.35	24.25
4	22.23	22.13	22.04	21.94	21.85	21.92	21.76	23.23	.....	24.62	24.35	24.24
5	22.23	22.13	22.04	21.94	21.85	21.90	21.76	23.31	.....	24.60	24.34	24.24
6	22.22	22.13	22.03	21.93	21.85	21.90	21.75	23.38	.....	24.58	24.33	24.24
7	22.22	22.12	22.03	21.92	21.84	21.88	21.75	23.46	.....	24.57	24.33	24.23
8	22.22	22.12	22.03	21.89	21.83	21.87	21.77	23.53	.....	24.56	24.33	24.23
9	22.21	22.12	22.03	.....	21.83	21.87	21.84	23.60	.....	24.55	24.32	24.23
10	22.21	22.12	22.03	.....	21.83	21.85	21.93	23.65	.....	24.54	24.31	24.23
11	22.21	22.11	22.03	.....	21.83	21.85	21.98	23.70	.....	24.52	24.30	24.23
12	22.21	22.11	22.02	.....	21.85	21.85	22.00	23.77	.....	24.52	24.30	24.22
13	22.21	22.10	22.02	21.89	21.90	21.85	22.00	23.83	.....	24.51	24.30	24.22
14	22.21	22.10	22.01	21.89	21.95	21.84	22.00	23.88	.....	24.50	24.30	24.17
15	22.21	22.10	22.00	21.89	21.98	21.83	22.00	23.94	.....	24.48	24.30	24.17
16	22.20	22.10	22.00	21.89	22.00	21.83	21.98	23.97	.....	24.47	24.29	24.16
17	22.20	22.10	22.00	21.88	22.01	21.82	21.96	.....	.....	24.47	24.29	24.16
18	22.20	22.09	22.00	21.88	22.02	21.82	21.95	.....	.....	24.46	24.29	24.16
19	22.20	22.09	22.00	21.87	22.02	21.80	21.93	.....	.....	24.45	24.28	24.16
20	22.20	22.08	22.00	21.87	22.03	21.80	21.92	.....	.....	24.45	24.28	24.16
21	22.19	22.08	22.00	21.86	22.03	21.80	21.91	.....	24.94	24.44	24.28	24.15
22	22.19	22.07	21.99	21.86	22.02	21.80	21.94	.....	24.94	24.43	24.27	24.15
23	22.18	22.07	21.99	21.85	22.01	21.79	21.97	.....	24.90	24.42	24.27	24.14
24	22.18	22.07	21.98	21.85	22.01	21.79	22.15	.....	24.87	24.41	24.27	24.15
25	22.18	22.07	21.98	21.85	22.00	21.79	22.08	.....	24.83	24.40	24.27	24.15
26	22.18	22.06	21.97	21.84	21.98	21.78	22.20	.....	24.80	24.40	24.27	24.15
27	22.17	22.06	21.97	21.84	21.97	21.78	22.33	.....	24.77	24.39	24.26	24.14
28	22.17	22.06	21.97	21.84	21.97	21.77	22.45	.....	24.75	24.38	24.26	24.13
29	22.16		21.96	21.83	21.97	21.76	22.57	.....	24.72	24.37	24.26	24.13
30	22.16		21.95	21.83	21.96	21.76	22.70	.....	24.70	24.37	24.26	24.13
31	22.16		21.95		21.95		22.82	.....		24.36		24.13

9-14-13cb. Mrs. Maude E. Davis. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 50 feet. Land-surface datum is 2,068.10 feet above msl. Highest water level 15.30 below lsd, July 11, 1947; lowest 26.93 below lsd, Sept. 21, 1955. Records available: 1930-55. June 29, 22.80, measurement by Midstate Reclamation District; Sept. 21, 26.93.

9-14-19dd. Robert D. Lewis. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 54 feet. Land-surface datum is 2,102.16 feet above msl. Highest water level 22.55 below lsd, June 9, 1931; lowest 33.40 below lsd, Sept. 15, 1955. Records available: 1930-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	29.40	Apr. 15	28.70	July 15	30.57	Oct. 15	32.80
Feb. 17	29.05	May 15	28.90	Aug. 15	32.30	Nov. 15	32.20
Mar. 16	29.05	June 15	28.90	Sept. 15	33.40	Dec. 16	31.80

9-15-11cb. Charles Aldeen. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 53 feet. Land-surface datum is 2,117.20 feet above msl. Highest water level 23.67 below lsd, July 11, 1947; lowest 36.52 below lsd, Sept. 21, 1955. Records available: 1932-42, 1944-55. June 30, 30.87, measurement by Midstate Reclamation District; Sept. 21, 36.52.

9-15-34bb. J. W. Wolford. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 48 feet. Land-surface datum is 2,119.78 feet above msl. Highest water level 16.60 below lsd, June 16, 1931; lowest 27.04 below lsd, Sept. 21, 1955. Records available: 1930-37, 1939, 1945-55. May 12, 22.70, measurement by Midstate Reclamation District; June 29, 22.45, measurement by Midstate Reclamation District; Sept. 21, 27.04; Oct. 17, 26.07.

9-16-13bc. Lawrence Richter. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 110 feet. Land-surface datum is 2,153.47 feet above msl. Highest water level 26.64 below lsd, Mar. 1, 1950; lowest 35.56 below lsd, Oct. 17, 1955. Records available: 1948-55. Measurement by Midstate Reclamation District. June 29, 31.00; Oct. 17, 35.56.

9-17-31cd. U. S. Geol. Survey. Driven observation water-table well in alluvial silt, diameter 1¼ inches, depth 10 feet. Land-surface datum is 2,236.73 feet above msl. Highest water level 8.02 below lsd, Oct. 7, 1946; lowest 14.22 below lsd, Dec. 2, 1953. Records available: 1946-55. Apr. 19, 11.80.

9-18-31cc. Mrs. Dworak. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 32 feet. Land-surface datum is 2,274.59 feet above msl. Highest water level 7.38 below lsd, Oct. 8, 1946; lowest 13.17 below lsd, Nov. 18, 1954. Records available: 1946-55. Apr. 19, 12.16.

10-13-24bc. B. M. Bentley. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 52 feet. Land-surface datum is 2,214.17 feet above msl. Highest water level 17.91 below lsd, May 13, 1931; lowest 28.72 below lsd, Sept. 21, 1955. Records available: 1930-40, 1944, 1946-55. June 28, 26.60, measurement by Midstate Reclamation District; Sept. 21, 28.72.

10-17-21cd. W. M. Buettner. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 104 feet. Land-surface datum is 2,234.14 feet above msl. Highest water level 27.23 below lsd, Mar. 27, 1950; lowest 38.75 below lsd, Aug. 2, 1949. Records available: 1934-42, 1949-55. Sept. 21, 32.37.

12-13-20cb. Irvin Urwiller. Drilled irrigation water-table well in sand of Pleistocene age and sandstone of Tertiary age, diameter 18 inches, depth 207 feet. Land-surface datum is 2,030.68 feet above msl. Highest water level 25.21 below lsd, Dec. 13, 1951; lowest 26.24 below lsd, Apr. 18, 1952. Records available: 1950-55. May 24, 25.89.

12-15-3bb. Donald Wilke. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 110 feet. Land-surface datum is 2,061.13 feet above msl. Highest water level 29.05 below lsd, May 9, 1952; lowest 31.46 below lsd, May 24, 1955. Records available: 1950-55. May 24, 31.46.

Butler County

A14-3-8ba. U. S. Geol. Survey. Drilled observation water-table well in glacial drift and sand, diameter 1¼ inches, depth 29 feet. Highest water level 10.18 below lsd, Apr. 21, 1948; lowest 18.63 below lsd, Oct. 15, 1940. Records available: 1940-42, 1946, 1948, 1953-55. July 26, 12.59.

A16-1-14ad. Frank Kryzinger. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 33 feet. Land-surface datum is 1,434.34 feet above msl. Highest water level 5.38 below lsd, Apr. 19, 1949; lowest 8.19 below lsd, Nov. 12, 1953. Records available: 1946-50, 1952-54. No measurement made in 1955.

A16-2-14cc. U. S. Geol. Survey. Driven observation water-table well in fine sand, diameter 1¼ inches, depth 13 feet. Land-surface datum is 1,419.64 feet above msl. Highest water level 2.68 below lsd, Apr. 2, 1952; lowest 8.96 below lsd, July 26, 1955. Records available: 1946-55. July 26, 8.96.

A16-3-1dc. Anthony J. Viglicky. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 36 inches, depth 37 feet. Land-surface datum is 1,376.67 feet above msl. Highest water level 7.34 below lsd, Apr. 2, 1952; lowest 15.25 below lsd, Dec. 11, 1955. Records available: 1946-55. Dec. 11, 15.25.

A17-4-28cd. Edward J. Duda. Driven irrigation water-table well in sand and gravel of Pleistocene age, diameter 22 inches, depth 66 feet. Land-surface datum is 1,346.84 feet above msl. Highest water level 19.41 below lsd, Apr. 2, 1952; lowest 24.08 below lsd, Dec. 11, 1955. Records available: 1946-55. Dec. 11, 24.08.

Chase County

5-36-7ba. U. S. Geol. Survey. Driven observation water-table well in limestone of Ogallala formation, diameter 1¼ inches, depth 19 feet. Highest water level 14.93 below lsd, June 9, 1949; lowest 16.86 below lsd, Dec. 7, 1950. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	16.55	Mar. 23	15.93	July 7	15.82	Nov. 10	16.17
19	16.58	May 10	15.83	Sept. 13	15.92	15	16.08
Mar. 18	15.84	June 16	15.93				

5-38-4aa. U. S. Bureau of Reclamation. Jetted observation water-table well in sand and gravel, diameter 1¼ inches, depth 23 feet. Land-surface datum is 3,151.20 feet above msl. Highest water level 10.79 below lsd, June 9, 1949; lowest 11.58 below lsd, Nov. 12, 1954. Records available: 1949-50, 1954. No measurement made in 1955.

7-38-28cc. Roy Hust. Drilled unused water-table well in sand of Pleistocene age, diameter 18 inches, depth 143 feet. Highest water level 74.03 below lsd, May 5, 1951; lowest 76.85 below lsd, Dec. 9, 1944. Records available: 1944, 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	75.15	.....	75.11	75.19	75.36	75.47	75.63	75.90	76.07	76.05	76.08	75.80
2	75.13	.....	75.06	75.07	75.40	75.50	75.63	75.86	76.06	76.03	76.12	75.86
3	75.20	.....	75.09	75.07	75.48	75.49	75.68	75.83	76.10	75.97	76.00	75.93
4	75.17	.....	75.23	75.20	75.50	75.47	75.65	75.90	76.15	75.92	75.95	75.97
5	75.23	.....	75.24	75.25	75.47	75.44	75.62	75.89	76.14	76.04	76.04	75.95
6	75.24	.....	75.17	75.25	75.46	75.48	75.60	75.90	76.14	76.08	76.04	75.80
7	75.18	.....	75.15	75.22	75.55	75.52	75.65	75.90	76.05	76.04	76.09	75.94
8	75.17	.....	75.07	75.15	75.46	75.57	75.70	75.80	76.00	75.98	76.00	75.99
9	75.17	.....	75.03	75.18	75.56	75.49	75.72	75.94	76.14	76.00	75.93	75.94
10	75.13	.....	75.08	75.15	75.57	75.48	75.67	75.95	76.15	75.97	75.85	75.95
11	75.13	.....	75.17	75.10	75.50	75.48	75.68	75.92	76.14	76.10	75.95	75.95
12	75.22	75.05	75.19	75.25	75.48	75.46	75.69	75.84	75.99	76.10	75.97	75.85
13	75.19	75.17	75.17	75.24	75.48	75.48	75.70	75.90	76.05	76.10	76.00	75.93
14	75.15	75.16	75.13	75.20	75.50	75.55	75.70	75.93	76.05	76.07	.....	75.97
15	75.16	75.12	75.22	75.22	75.46	75.54	75.68	75.93	75.97	76.10	.....	75.98
16	75.10	75.18	75.21	75.29	75.53	75.52	75.66	75.92	76.01	76.12	.....	75.83
17	75.17	75.04	75.18	75.24	75.52	75.53	75.70	75.95	76.05	76.08	.....	75.85
18	75.22	75.13	75.18	75.22	75.50	75.57	75.70	75.97	76.08	76.05	.....	76.00
19	75.18	75.11	75.08	75.29	75.52	75.57	75.72	75.95	76.07	76.04	75.96	75.98
20	75.19	75.15	75.13	75.32	75.47	75.59	75.71	75.97	76.03	76.13	75.95	75.86
21	.....	75.17	75.13	75.32	.....	75.62	75.76	76.02	76.04	76.12	75.90	75.86
22	.....	75.12	75.06	75.25	.....	75.61	75.79	76.00	76.10	76.02	76.00	75.76
23	.....	75.22	75.17	75.36	75.50	75.58	75.80	75.94	76.09	76.15	76.02	75.75
24	.....	75.20	75.19	75.39	75.49	75.60	75.80	75.93	76.08	76.05	76.00	75.98
25	.....	75.08	75.23	75.38	75.44	75.64	75.76	75.95	76.09	76.00	76.00	75.96
26	.....	75.14	75.22	75.30	75.47	75.63	75.86	76.00	76.02	75.93	75.88	75.90
27	.....	75.10	75.20	75.45	75.55	75.65	75.85	76.01	76.05	76.03	76.05	75.83
28	.....	75.10	75.05	75.48	75.59	75.68	75.83	76.04	75.99	76.00	75.98	75.97
29	.....		75.09	75.43	75.58	75.60	75.85	76.10	76.04	76.02	75.98	75.99
30	.....		75.07	75.40	75.46	75.67	75.87	76.13	76.08	75.94	75.95	75.98
31	.....		75.19		75.41		75.90	76.09		76.00		75.82

Cherry County

28-28-1cc. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 14 feet. Land-surface datum is 2,929.09 feet above msl. Highest water level 1.05 below lsd, Feb. 5, 1954; lowest 5.56 below lsd, Oct. 18, 1955. Records available: 1950-55. Apr. 1, 3.63; July 13, 4.60; Oct. 18, 5.56.

29-28-13aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 14 feet. Land-surface datum is 2,926.31 feet above msl. Highest water level 0.61 below lsd, June 16, 1954; lowest 4.66 below lsd, Oct. 18, 1955. Records available: 1949-55. Apr. 1, 2.30; July 13, 3.61; Oct. 18, 4.66.

30-28-1ad. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 10 feet. Land-surface datum is 2,878.14 feet above msl. Highest water level 2.50 below lsd, Apr. 23, 1952; lowest 4.73 below lsd, Oct. 18, 1955. Records available: 1950-55. Apr. 1, 3.45; July 13, 4.04; Oct. 18, 4.73.

30-28-36aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 2,896.36 feet above msl. Highest water level 0.25 above lsd, Apr. 1, 1955; lowest 4.35 below lsd, Aug. 18, 1952, Oct. 18, 1955. Records available: 1949-55. Apr. 1, +0.25; July 13, 4.08; Oct. 18, 4.35; Dec. 16, 3.60, measurement by U. S. Fish and Wildlife Service.

30-29-14ac. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 14 feet. Land-surface datum is 2,927.06 feet above msl. Highest water level 0.20 below lsd, June 3, 1954; lowest 4.25 below lsd, Dec. 12, 1955. Records available: 1949-55. Apr. 1, 2.10; July 14, 3.39; Oct. 19, 4.01; Nov. 9, 3.22, measurement by U. S. Fish and Wildlife Service; Dec. 12, 4.25, measurement by U. S. Fish and Wildlife Service.

30-29-22bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 2,950.42 feet above msl. Highest water level 0.87 below lsd, May 10, 1950; lowest 4.12 below lsd, Aug. 18, 1952. Records available: 1949-55. Apr. 1, 1.54; July 14, 3.65; Oct. 19, 3.61.

31-25-21bd. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 20 feet. Highest water level 0.10 below lsd, Mar. 27, 1952; lowest 6.38 below lsd, Sept. 12, 1936. Records available: 1936-55. Mar. 30, 2.31; July 13, 4.34; Oct. 19, 4.86.

31-28-1ad. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter ¾ inch, depth 9 feet. Land-surface datum is 2,843.9 feet above msl. Highest water level 0.42 below lsd, May 9, 1950; lowest 4.73 below lsd, Oct. 18, 1955. Records available: 1950-55. Mar. 30, 1.60; July 13, 3.05; Oct. 18, 4.73.

31-28-31bb. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter ¾ inch, depth 11 feet. Land-surface datum is 2,886.86 feet above msl. Highest water level 0.41 above lsd, June 8, 1951; lowest 3.75 below lsd, Oct. 19, 1955. Records available: 1950-55. Apr. 1, 0.42; July 14, 2.31; Oct. 19, 3.75.

32-27-18cb. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter ¾ inch, depth 17 feet. Land-surface datum is 2,781.3 feet above msl. Highest water level 5.61 below lsd, June 23, 1952; lowest 8.04 below lsd, May 2, 1951. Records available: 1950-55. Mar. 30, 6.90; July 13, 6.21; Oct. 18, 6.68.

33-27-17cb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 9 feet. Land-surface datum is 2,408.92 feet above msl. Highest water level 1.52 below lsd, Dec. 29, 1951; lowest 3.38 below lsd, Aug. 9, 1937. Records available: 1936-48, 1950-55. Mar. 30, 1.69; July 14, 2.77.

34-27-31da. U. S. Geol. Survey. Drilled unused water-table well in sand of Pleistocene age, diameter 2 inches, depth 128 feet. Highest water level 97.92 below lsd, Oct. 7, 1947; lowest 100.39 below lsd, Oct. 19, 1941. Records available: 1934-41, 1944-47. No measurement made in 1955.

34-31-3ad. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 17 feet. Highest water level 1.25 below lsd, June 6, 1935; lowest 5.47 below lsd, Oct. 31, 1940. Records available: 1934-47, 1954-55. July 13, 2.76; Oct. 18, 3.20.

34-36-1dc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 21 feet. Highest water level 4.46 below lsd, June 6, 1935; lowest 9.54 below lsd, Oct. 1, 1941. Records available: 1934-45, 1947, 1951-55. July 13, 6.84; Oct. 18, 8.19.

34-38-14bc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 17 feet. Highest water level 5.20 below lsd, Apr. 2, 1952; lowest 8.14 below lsd, Aug. 9, 1937. Records available: 1936-41, 1944-47, 1951-55. July 13, 6.37; Oct. 18, 6.91.

Cheyenne County

14-47-26cb. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 29 feet. Highest water level 18.32 below lsd, Mar. 28, 1951; lowest 20.82 below lsd, Nov. 9, 1940. Records available: 1940-42, 1944, 1947, 1950-52, 1954-55. Nov. 8, 20.24.

14-48-27cc. Frank Partrey. Drilled irrigation water-table well in sand of Pleistocene age, diameter 20 inches, depth 110 feet. Highest water level 33.47 below lsd, Mar. 29, 1951; lowest 38.85 below lsd, June 24, 1950. Records available: 1950-55. Nov. 8, 37.46.

14-49-34bb. Harry Brewer. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 100 feet. Highest water level 24.27 below lsd, Mar. 29, 1951; lowest 25.57 below lsd, Aug. 8, 1951. Records available: 1950-55. Nov. 8, 24.69.

14-50-35ac. F. C. Mather Estate. Drilled irrigation water-table well in alluvial gravel, diameter 24 inches, depth 91 feet. Highest water level 29.16 below lsd, July 18, 1935; lowest 36.08 below lsd, Jan 12, 1951. Records available: 1934-40, 1942, 1944, 1947, 1950-52, 1954-55. Nov. 8, 32.54.

14-52-5cb. William Goding. Drilled irrigation water-table well in sands of alluvium and joints in Brule formation, diameter 8 inches, depth 55 feet. Highest water level 26.64 below lsd, June 15, 1935; lowest 30.40 below lsd, Oct. 27, 1954. Records available: 1934-40, 1950-52, 1954-55. Nov. 8, 29.65.

14-52-11ac. Earl Johnson. Drilled irrigation water-table well in Brule formation, diameter 18 inches, depth 92 feet. Highest water level 27.80 below lsd, May 22, 1951; lowest 47.64 below lsd, Nov. 8, 1955. Records available: 1950-52, 1954-55. Nov. 8, 47.64.

Clay County

5-6-26bd. B. W. Merrill. Drilled unused water-table well in sand of Pleistocene age, diameter 4 inches, depth 86 feet. Highest water level 74.17 below lsd, June 24, 1954; lowest 77.09 below lsd, July 18, 1948. Records available: 1948-50, 1952-55. Jan. 25, 75.05; Feb. 14, 75.05; Mar. 15, 75.07; Apr. 15, 75.08; Nov. 1, 76.40; Dec. 23, 76.32.

Colfax County

A17-2-22dd. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 1,385.01 feet above msl. Highest water level 3.49 below lsd, May 3, 1951; lowest 7.40 below lsd, Dec. 14, 1954. Records available: 1946-55. July 26, 7.17.

A17-3-4cc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 16 feet. Land-surface datum is 1,370.58 feet above msl. Highest water level 4.15 below lsd, Apr. 1, 1952; lowest 6.56 below lsd, July 26, 1955. Records available: 1946-55. July 26, 6.56.

A17-3-23cc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 11 feet. Land-surface datum is 1,347.03 feet above msl. Highest water level 2.15 below lsd, Mar. 24, 1948; lowest 5.27 below lsd, Sept. 3, 1946. Records available: 1946-55. July 26, 5.12.

A17-4-4bb. E. Maxes. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 36 feet. Land-surface datum is 1,340.15 feet above msl. Highest water level 9.44 below lsd, June 3, 1952; lowest 17.92 below lsd, Nov. 22, 1955. Records available: 1945-55. Nov. 22, 17.92.

Cuming County

A21-6-23bb. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 23 feet. Highest water level 3.68 below lsd, Nov. 6, 1951; lowest 8.93 below lsd, Oct. 10, 1941. Records available: 1934-44, 1946, 1948, 1950-55. Dec. 19, 5.85.

A22-6-4aa. Art Miller. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 52 feet. Highest water level 7.51 below lsd, Sept. 1, 1951; lowest 10.56 below lsd, Dec. 19, 1955. Records available: 1950-55. Dec. 19, 10.56.

A22-6-34bd. City of West Point. Drilled unused water-table well in sand of Pleistocene age, diameter 18 inches, depth 42 feet. Highest water level 3.78 below lsd, Jan. 30, 1952; lowest 7.54 below lsd, Nov. 30, 1953. Records available: 1950-55. Dec. 19, 6.95.

A23-5-36bd. H. Albers. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 52 feet. Highest water level 8.28 below lsd, Aug. 29, 1951; lowest 12.21 below lsd, Dec. 19, 1955. Records available: 1950-55. Dec. 19, 12.21.

A24-4-30ad. Harry Pumprey. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 42 feet. Highest water level 7.57 below lsd, Aug. 29, 1951; lowest 12.57 below lsd, Dec. 20, 1955. Records available: 1950-55. Dec. 20, 12.57.

Custer County

13-21-36ca. Jack Lyons. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 123 feet. Highest water level 50.55 below lsd, May 30, 1951; lowest 52.84 below lsd, Nov. 18, 1954. Records available: 1950-54. No measurement made in 1955.

16-23-35cb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 29 feet. Highest water level 20.71 below lsd, Nov. 26, 1936; lowest 23.09 below lsd, Aug. 10, 1937. Records available: 1936-42, 1951, 1954. No measurement made in 1955.

18-17-4ac. Ben Tvrdik. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 32 inches, depth 108 feet. Land-surface datum is 2,274.18 feet above msl. Highest water level 11.53 below lsd, Aug. 12, 1954; lowest 12.98 below lsd, Feb. 2, 1955. Records available: 1950-55. Feb. 2, 12.98.

19-17-9ca. R. E. Probert. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 18 inches, depth 170 feet. Land-surface datum is 2,335.4 feet above msl. Highest water level 65.43 below lsd, July 17, 1953; lowest 73.99 below lsd, Aug. 13, 1954. Records available: 1949-55. Feb. 2, 69.36.

19-18-9aa. Leonard Owen. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 28 feet. Land-surface datum is 2,325.16 feet above msl. Highest water level 11.16 below lsd, Mar. 13, 1950; lowest 14.98 below lsd, July 16, 1940. Records available: 1934-42, 1945, 1948-55. Feb. 2, 13.52.

19-19-2bb. Ralph Slagel. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches. Land-surface datum is 2,361.95 feet above msl. Highest water level 15.56 below lsd, Sept. 11, 1951; lowest 19.41 below lsd, Sept. 1, 1954. Records available: 1949-55. Feb. 2, 18.41.

19-20-1cd. Frank Wells. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches. Land-surface datum is 2,398.03 feet above msl. Highest water level 10.18 below lsd, May 22, 1951; lowest 14.38 below lsd, Aug. 12, 1954. Records available: 1949-55. Feb. 2, 12.14.

20-20-30aa. Ted Holmes. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 77 feet. Land-surface datum is 2,445.91 feet above msl. Highest water level 31.72 below lsd, Sept. 12, 1951; lowest 33.20 below lsd, Aug. 12, 1954. Records available: 1949-55. Feb. 2, 33.11.

20-21-10bc. A. C. Turner. Drilled domestic water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 30 feet. Land-surface datum is 2,476.68 feet above msl. Highest water level 17.78 below lsd, July 16, 1953; lowest 22.81 below lsd, Aug. 26, 1955. Records available: 1949-55. Feb. 2, 21.40; Aug. 26, 22.81.

Dawes County

31-52-3dc. T. P. Moody. Drilled observation water-table well in sand and alluvium, diameter 8 inches, depth 39 feet. Highest water level 15.87 below lsd, May 30, 1948; lowest 21.51 below lsd, Aug. 27, 1934. Records available: 1934-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	21.01	Mar. 28	20.93	June 13	19.77	Aug. 2	20.62
Feb. 8	21.04	Apr. 25	20.60	July 5	19.91	Oct. 19	21.18
Mar. 7	21.00	May 16	20.45				

Dawson County

9-20-13bc. J. P. Brick. Drilled irrigation water-table well in gravel and fine sand, diameter 18 inches, depth 43 feet. Land-surface datum is 2,328.22 feet above msl. Highest water level 6.90 below lsd, Dec. 3, 1946; lowest 14.11 below lsd, Dec. 28, 1955. Records available: 1930-55. Dec. 28, 14.11.

9-21-24aa. U. S. Geol. Survey. Drilled observation water-table well in gravel, diameter 1 inch, depth 11 feet. Land-surface datum is 2,358.88 feet above msl. Highest water level 2.05 below lsd, July 12, 1947; lowest 7.15 below lsd, Dec. 28, 1955. Records available: 1931-43, 1945-55. Dec. 28, 7.15.

9-21-29bc. U. S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diameter 1½ inches, depth 10 feet. Land-surface datum is 2,382.23 feet above msl. Highest water level 0.10 below lsd, May 3, 1933; lowest 5.21 below lsd, Sept. 30, 1940. Records available: 1930-55. Mar. 15, 3.07, measurement by Central Nebraska Public Power and Irrigation District; May 11, 3.75, measurement by Central Nebraska Public Power and Irrigation District; June 28, 3.46, measurement by Central Nebraska Public Power and Irrigation District; Oct. 4, 4.09, measurement by Central Nebraska Public Power and Irrigation District; Dec. 28, 3.07.

9-21-31da. U. S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diameter 1¼ inches, depth 24 feet. Land-surface datum is 2,389.89 feet above msl. Highest water level 7.40 below lsd, Nov. 9, 1948; lowest 22.90 below lsd, July 24, 1940. Records available: 1930-55. Mar. 15, *9.90; May 11, *13.83; June 28, *10.53; Oct. 4, *13.78; Dec. 28, *11.76; Dec. 28, 11.74. *Measurement by Central Nebraska Public Power and Irrigation District.

9-22-33aa. C. J. Magnuson. Drilled unused water-table well in sand of Pleistocene age, diameter 3 inches, depth 88 feet. Land-surface datum is 2,508.69 feet above msl. Highest water level 28.03 below lsd, Apr. 24, 1953; lowest 34.56 below lsd, May 10, 1949. Records available: 1949-55. Dec. 28, 28.75.

9-23-2dc. Leo Neil. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 53 feet. Land-surface datum is 2,464.22 feet above msl. Highest water level 14.05 below lsd, July 14, 1947; lowest 18.24 below lsd, Aug. 9, 1946. Records available: 1945-55. Dec. 28, 15.86.

9-23-21bb. Oscar Weissert. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 3 inches, depth 253 feet. Land-surface datum is 2,683.70 feet above msl. Highest water level 154.80 below lsd, Dec. 28, 1955; lowest 170.74 below lsd, May 11, 1949. Records available: 1949-55. Dec. 28, 154.80.

10-20-35bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 26 feet. Land-surface datum is 2,358.5 feet above msl. Highest water level 14.80 below lsd, July 12, 1947; lowest 24.10 below lsd, Dec. 28, 1955. Records available: 1946-55. May 11, 20.87; Dec. 28, 24.10.

10-21-31da. U. S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diameter $1\frac{1}{2}$ inches, depth 14 feet. Land-surface datum is 2,399.05 feet above msl. Highest water level 3.29 below lsd, June 12, 1935; lowest 9.85 below lsd, Dec. 28, 1955. Records available: 1930-55. May 11, 9.64; Dec. 28, 9.85.

10-22-29aa. U. S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age diameter 1 inch, depth 12 feet. Land-surface datum is 2,435.14 feet above msl. Highest water level 1.52 below lsd, July 12, 1947; lowest 8.34 below lsd, Dec. 28, 1955. Records available: 1931-43, 1945-55. Dec. 28, 8.34.

10-23-5bb. Vincent Ogorsolka. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 42 feet. Land-surface datum is 2,493.6 feet above msl. Highest water level 4.29 below lsd, Dec. 4, 1946; lowest 10.99 below lsd, Dec. 28, 1955. Records available: 1945-55. Dec. 28, 10.99.

10-23-29bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 2,480.3 feet above msl. Highest water level 2.02 below lsd, Oct. 9, 1946; lowest 7.84 below lsd, Oct. 27, 1953. Records available: 1946-55. May 11, 7.18, measurement by Midstate Irrigation District; Dec. 28, 7.56.

10-24-7bb. F. C. McDowell. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 38 feet. Land-surface datum is 2,542.33 feet above msl. Highest water level 10.35 below lsd, Oct. 9, 1946; lowest 13.52 below lsd, July 12, 1946. Records available: 1946-55. Dec. 28, 12.50.

11-19-4dd. William Reikertson. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 163 feet. Land-surface datum is 2,373.23 feet above msl. Highest water level 54.18 below lsd, Nov. 2, 1950; lowest 62.47 below lsd, Aug. 26, 1953. Records available: 1948-54. No measurement made in 1955.

11-21-31dd. U. S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diameter 1 inch, depth 57 feet. Land-surface datum is 2,464.41 feet above msl. Highest water level 22.77 below lsd, Sept. 8, 1947; lowest 33.28 below lsd, July 24, 1940. Records available: 1930-36, 1940-55. May 11, 28.40; Dec. 28, 29.57.

11-23-23cc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 2,495.6 feet above msl. Highest water level 0.42 below lsd, Oct. 8, 1946; lowest 6.55 below lsd, Dec. 28, 1955. Records available: 1946-55. May 11, 4.76; Dec. 28, 6.55.

11-24-20ca. J. R. Owings. Drilled irrigation water-table well in fine sand and gravel of Pleistocene age, diameter 36 inches, depth 40 feet. Land-surface datum is 2,544.91 feet above msl. Highest water level 9.52 below lsd, July 12, 1947; lowest 15.91 below lsd, Dec. 28, 1955. Records available: 1932, 1934-42, 1944-55. Dec. 28, 15.91.

11-25-21cc. E. D. Clark. Drilled irrigation water-table well in gravel and sand of Pleistocene age, diameter 16 inches, depth 28 feet. Land-surface datum is 2,571.19 feet above msl. Highest water level 4.18 below lsd, Nov. 17, 1931; lowest 13.40 below lsd, Aug. 10, 1931. Records available: 1930-42, 1944-55. Dec. 28, 9.28.

12-25-34cc. John H. Block. Drilled irrigation water-table well in gravel and fine sand of Pleistocene age, diameter 24 inches, depth 65 feet. Land-surface datum is 2,611.72 feet above msl. Highest water level 26.80 below lsd, Aug. 8, 1951; lowest 32.38 below lsd, Dec. 28, 1955. Records available: 1932, 1934-40, 1942, 1944-55. July 7, 30.62; Dec. 28, 32.38.

Deuel County

12-44-18bb. P. Nass. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 92 feet. Highest water level 10.60 below lsd, June 20, 1950; lowest 11.77 below lsd, Oct. 18, 1954. Records available: 1950, 1954-55. Nov. 7, 11.62.

13-45-23dc. Albert Williams. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 23 feet. Highest water level 11.84 below lsd, Nov. 19, 1951; lowest 15.71 below lsd, Nov. 7, 1955. Records available: 1950-52, 1954-55. Nov. 7, 15.71.

14-46-33dc2. Myron Carlson Ranches. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 31 feet. Highest water level 13.41 below lsd, May 22, 1951; lowest 15.04 below lsd, Nov. 7, 1955. Records available: 1950-52, 1954-55. Nov. 7, 15.04.

Dodge County

A17-6-6aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 13 feet. Land-surface datum is 1,264.93 feet above msl. Highest water level 0.31 below lsd, May 3, 1951; lowest 4.72 below lsd, Oct. 22, 1940. Records available: 1936-42, 1944-55. July 26, 3.47.

A17-8-16ad. City of Fremont. Drilled observation water-table well in gravel of Pleistocene age, diameter 2 inches, depth 18 feet. Land-surface datum is 1,202.60 feet above msl. Highest water level 6.11 below lsd, June 22, 1945; lowest 14.19 below lsd, Oct. 22, 1940. Records available: 1940-54. Measurement discontinued.

A18-6-25cc. John R. Sic. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 18 inches, depth 37 feet. Land-surface datum is 1,250.21 feet above msl. Highest water level 3.98 below lsd, May 3, 1951; lowest 16.82 below lsd, July 26, 1955. Records available: 1947-55. July 26, 16.82.

A18-8-28da. City of Fremont. Drilled observation water-table well in gravel of Pleistocene age, diameter 2 inches, depth 85 feet. Land-surface datum is 1,262.76 feet above msl. Highest water level 60.86 below lsd, Oct. 8, 1941; lowest 68.72 below lsd, Mar. 20, 1940. Records available: 1940-55. July 26, 66.67; Dec. 19, 66.94.

A19-7-10cb. State of Nebraska. Drilled public-supply water-table well in gravel of Pleistocene age, diameter 12 inches, reported depth 60 feet. Highest water level 0.98 above lsd, Nov. 6, 1951; lowest 4.20 below lsd, Dec. 19, 1955. Records available: 1950-51, 1953-55. Dec. 19, 4.20.

A19-8-34ba. B. Havekost. Drilled irrigation water-table well, diameter 18 inches, depth 133 feet. Highest water level 64.59 below lsd, Nov. 6, 1951; lowest 73.39 below lsd, Dec. 19, 1955. Records available: 1950-55. Dec. 19, 73.39.

Dundy County

1-37-19ba. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 18 feet. Land-surface datum is 2,989 feet above msl. Highest water level 7.12 below lsd, Apr. 5, 1949; lowest 16.39 below lsd, Oct. 5, 1954. Records available: 1946-55. Mar. 23, 10.82; July 25, 13.92; Sept. 12, 15.58.

1-37-31cd. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 3,006 feet above msl. Highest water level 3.21 below lsd, Apr. 5, 1949; lowest 7.40 below lsd, Sept. 12, 1955. Records available: 1946-55. Mar. 23, 6.38; July 25, 6.66; Sept. 12, 7.40.

1-38-28da. Owner unknown. Drilled unused water-table well in sand of Pleistocene age, diameter 5 inches, depth 33 feet. Highest water level 18.26 below lsd, June 3, 1952; lowest dry Mar. 29, 1954, Jan.-Dec. 1955. Records available: 1948-55. Jan.-Dec., dry.

1-39-21ac. Louis Krutsinger. Drilled unused water-table well in gravel of Pleistocene age, diameter 6 inches, depth 15 feet. Land-surface datum is 3,096 feet above msl. Highest water level 4.13 below lsd, Dec. 21, 1951; lowest 6.23 below lsd, July 29, 1940. Records available: 1935-43, 1946-55. Mar. 25, 4.81; July 25, 5.72; Sept. 12, 5.90.

1-40-29bb. U. S. Geol. Survey. Drilled observation water-table well in silt and clay, diameter 8 inches, depth 21 feet. Land-surface datum is 3,207 feet above msl. Highest water level 10.12 below lsd, Aug. 22-23, 1950; lowest 14.19 below lsd, Sept. 15, 1955. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.16	13.06	12.97	12.90	.....	.....	.....	13.65	14.14	14.09	13.94	13.80
2	13.16	13.05	12.97	12.90	.....	.....	.....	13.69	14.14	14.08	13.94	13.79
3	13.16	13.05	12.97	12.90	.....	.....	.....	13.72	14.14	14.08	13.93	13.79
4	13.15	13.05	12.96	12.90	.....	.....	.....	13.74	14.14	14.06	13.93	13.78
5	13.15	13.04	12.96	12.90	.....	.....	.....	13.76	14.14	14.05	13.93	13.78

1-40-29bb--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	13.15	13.04	12.96	12.90	.....	.....	.....	13.78	14.14	14.05	13.92	13.78
7	13.15	13.04	12.95	12.91	.....	.....	.....	13.81	14.14	14.05	13.91	13.77
8	13.14	13.04	12.95	12.91	.....	.....	.....	13.85	14.14	14.04	13.91	13.76
9	13.14	13.03	12.95	12.90	.....	.....	.....	13.88	14.14	14.03	13.90	13.76
10	13.14	13.03	12.95	12.90	.....	.....	.....	13.90	14.14	14.03	13.90	13.75
11	13.13	13.03	12.94	12.90	.....	.....	.....	13.90	14.14	14.02	13.90	13.75
12	13.13	13.03	12.94	12.90	.....	.....	.....	13.93	14.13	14.02	13.89	13.74
13	13.13	13.02	12.94	12.90	.....	.....	.....	13.94	14.14	14.01	13.89	13.74
14	13.12	13.02	12.94	12.90	.....	.....	.....	13.94	14.14	14.01	13.89	13.73
15	13.12	13.01	12.94	12.90	.....	.....	.....	13.95	14.19	14.00	13.88	13.73
16	13.11	13.01	12.94	12.90	.....	.....	.....	13.95	14.18	14.00	13.88	13.72
17	13.11	13.01	12.94	12.90	.....	.....	.....	13.98	14.18	14.00	13.87	13.72
18	13.10	13.00	12.94	.....	.....	.....	.....	13.99	14.18	14.00	13.87	13.71
19	13.10	13.00	12.93	.....	.....	.....	.....	14.02	14.18	14.00	13.86	13.71
20	13.10	13.00	12.93	.....	.....	.....	.....	14.04	14.17	13.99	13.85	13.70
21	13.09	12.99	12.93	.....	.....	.....	.....	14.08	14.16	13.99	13.85	13.70
22	13.09	12.99	12.93	.....	.....	.....	.....	14.10	14.15	13.99	13.85	13.70
23	13.09	12.99	12.92	.....	.....	.....	.....	14.12	14.15	13.98	13.84	13.69
24	13.08	12.99	12.92	.....	.....	.....	.....	14.13	14.14	13.98	13.84	13.69
25	13.08	12.98	12.92	.....	.....	.....	13.50	14.13	14.14	13.97	13.83	13.68
26	13.08	12.98	12.92	.....	.....	.....	13.53	14.13	14.13	13.96	13.83	13.68
27	13.08	12.98	12.92	.....	.....	.....	13.55	14.14	14.12	13.96	13.82	13.68
28	13.07	12.98	12.92	.....	.....	.....	13.57	14.14	14.11	13.95	13.82	13.67
29	13.07		12.91	.....	.....	.....	13.58	14.14	14.10	13.95	13.81	13.67
30	13.07		12.91	.....	.....	.....	13.60	14.14	14.10	13.95	13.80	13.67
31	13.06		12.91		.....		13.63	14.14		13.95		13.66

1-41-27ca. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 3,247 feet above msl. Highest water level 2.86 below lsd, Feb. 8, 1949; lowest 6.25 below lsd, July 25, 1955. Records available: 1946-55. Mar. 25, 4.42; July 25, 6.25; Sept. 12, 6.10.

1-42-13bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 3,318 feet above msl. Highest water level 3.21 below lsd, Apr. 5, 1949; lowest 6.09 below lsd, Sept. 12, 1955. Records available: 1946-55. Mar. 25, 4.65; July 25, 5.84; Sept. 12, 6.09.

1-42-36aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 17 feet. Land-surface datum is 3,292 feet above msl. Highest water level 9.29 below lsd, Jan. 11, 1954; lowest dry, Mar. 29, 1954, Jan.-Dec. 1955. Records available: 1946-55. Jan.-Dec. 1955, dry.

2-36-31bc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 28 feet. Land-surface datum is 2,916 feet above msl. Highest water level 18.83 below lsd, June 3, 1952; lowest 22.89 below lsd, Sept. 12, 1955. Records available: 1946-55. Mar. 23, 22.00; July 25, 22.77; Sept. 12, 22.89.

Franklin County

1-13-2bc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 18 feet. Land-surface datum is 1,759.78 feet above msl. Highest water level 5.94 below lsd, June 22, 1949; lowest 9.56 below lsd, Oct. 8, 1948. Records available: 1946-55. Jan. 7, 8.58; Mar. 8, 8.47; Aug. 1, 8.93; Oct. 4, 8.58.

1-14-7bb1. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 20 feet. Land-surface datum is 1,805.68 feet above msl. Highest water level 0.07 below lsd, May 23, 1949; lowest 5.40 below lsd, Nov. 13, 1940. Records available: 1940-42, 1946-55. Jan. 4, 4.31; Mar. 7, 4.11; June 14, 2.10; July 18, 4.52; Oct. 13, 4.10; Nov. 10, 4.35.

1-16-14ab. C. Howell. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 80 feet. Land-surface datum is 1,886.95 feet above msl. Highest water level 37.40 below lsd, Oct. 26, 1946; lowest 42.41 below lsd, Aug. 13, 1946. Records available: 1946-55. Jan. 4, 40.12; Mar. 7, 40.04; June 13, 40.56; July 18, 40.60; Aug. 26, 43.11, pumped recently; Oct. 13, 41.67; Nov. 10, 41.29.

2-14-34ad. State of Nebraska. Drilled unused water-table well in sand of Pleistocene age, diameter 4 feet, depth 121 feet. Land-surface datum is 1,895.01 feet above msl. Highest water level 47.61 below lsd, Oct. 13, 1955; lowest 51.10 below lsd, Aug. 5, 1948. Records available: 1947-55. Jan. 7, 49.78; Mar. 8, 49.70; June 6, 49.18; July 13, 48.16; Aug. 22, 49.40; Oct. 13, 47.61; Nov. 9, 48.30.

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4-14-10da. Gilgen Bros. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 13 inches, depth 225 feet. Highest water level 165.82 below lsd, June 30, 1938; lowest 168.86 below lsd, Aug. 12, 1947. Records available: 1935-40, 1942, 1947-49, 1955. Nov. 3, 167.92.

Furnas County

3-21-12dc. U. S. Geol. Survey. Driven observation water-table well in sand, diameter 1¼ inches, depth 13 feet. Land-surface datum is 2,053 feet above msl. Highest water level 3.23 below lsd, Apr. 24, 1952; lowest 8.58 below lsd, Nov. 3, 1955. Records available: 1946-55. Feb. 24, 5.50; June 2, 6.17; July 11, 6.87; Aug. 16, 7.76; Sept. 14, 8.23; Oct. 11, 7.83; Nov. 3, 8.58.

3-22-2ba. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand, diameter 1¼ inches, depth 14 feet. Land-surface datum is 2,116 feet above msl. Highest water level 4.78 below lsd, July 28, 1947; lowest 9.88 below lsd, Oct. 28, 1953. Records available: 1946-55. Feb. 24, 8.93.

3-25-4bb. U. S. Geol. Survey. Drilled observation water-table well in silt and sand, diameter 8 inches, depth 22 feet. Land-surface datum is 2,258 feet above msl. Highest water level 3.62 below lsd, June 20-22, 1949; lowest 7.37 below lsd, Oct. 3, 1946. Records available: 1946-50. No measurement made in 1955.

4-22-29ad. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 23 feet. Land-surface datum is 2,134 feet above msl. Highest water level 7.78 below lsd, Aug. 11, 1955; lowest 17.60 below lsd, Aug. 13, 1946. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 24	12.82	July 8	11.66	Sept. 8	9.54	Nov. 3	11.70
June 30	11.08	Aug. 11	7.78	Oct. 7	10.68	Dec. 28	12.60

4-23-23bd. O. V. Moore. Drilled stock water-table well in sand of Pleistocene age, diameter 6 inches, depth 43 feet. Highest water level 28.10 below lsd, Aug. 15, 1955; lowest 30.89 below lsd, Sept. 13, 1943. Records available: 1936-44, 1946-55.

Feb. 23	29.06	July 8	28.33	Sept. 13	28.68	Nov. 2	29.57
June 30	28.92	Aug. 15	28.10	Oct. 10	30.25	Dec. 28	29.20

4-23-30cc. Breming Bros. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 93 feet. Highest water level 51.84 below lsd, June 5, 1947; lowest 55.40 below lsd, Nov. 3, 1955. Records available: 1946-55. Feb. 24, 54.20; June 2, 54.30; Oct. 11, 55.34; Nov. 3, 55.40.

4-24-15cc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 23 feet. Highest water level 10.12 below lsd, Aug. 25, 1954; lowest 14.20 below lsd, Aug. 14, 1946. Records available: 1946-55.

Feb. 23	11.85	July 7	11.79	Sept. 9	10.70	Nov. 2	12.08
June 3	11.14	Aug. 11	12.85	Oct. 10	11.56	Dec. 27	12.67

Garden County

17-44-22cc. Dr. G. H. Morris. Drilled unused water-table well in sand and gravel, diameter 1¼ inches, depth 34 feet. Highest water level 20.83 below lsd, Oct. 25, 1935; lowest 27.57 below lsd, Oct. 18, 1950. Records available: 1935-42, 1944-46, 1948-55. Nov. 9, 27.23.

18-46-27cc. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 17 feet. Highest water level 1.94 below lsd, Sept. 7, 1951; lowest 5.95 below lsd, July 26, 1940. Records available: 1934-42, 1944, 1946, 1948-55. Nov. 9, 3.80.

21-44-35ca. Crescent Lake Migratory Bird Refuge. Drilled observation water-table well in fine sand of Pleistocene age, diameter 1¼ inches, depth 8 feet. Land-surface datum is 3,802.99 feet above msl. Highest water level 0.43 below lsd, Feb. 12, 1934; lowest 5.74 below lsd, Mar. 17, 1938. Records available: 1933-55.

Jan. 3	3.10	Feb. 14	2.70	Apr. 3	2.50	May 17	3.30
10	3.00	28	2.60	11	2.40	25	2.60
17	3.10	Mar. 7	2.60	18	2.50	June 10	2.40
23	2.90	15	2.50	25	2.80	20	2.40
30	2.80	21	2.50	29	3.10	30	2.70
Feb. 7	2.80	29	2.40	May 9	2.90	July 14	3.50

21-44-35ca--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 20	3.70	Sept. 14	4.20	Oct. 26	3.80	Dec. 1	3.50
30	3.70	21	4.20	Nov. 3	3.80	8	3.50
Aug. 15	3.70	Oct. 7	3.90	10	3.80	14	3.40
25	3.70	11	3.90	18	3.70	21	3.30
Sept. 6	4.20	21	3.90	23	3.70	27	3.10

21-45-3bd2. Crescent Lake Migratory Bird Refuge. Drilled observation water-table well in fine sand of Pleistocene age, diameter 1¼ inches, depth 10 feet. Land-surface datum is 3,850.97 feet above msl. Highest water level 1.70 below lsd, Mar. 7-22, 1952; lowest 7.82 below lsd, Nov. 30, 1938. Records available: 1934-55.

Jan. 3	4.40	Apr. 3	3.90	June 30	4.20	Oct. 20	4.90
10	4.40	11	3.90	July 14	3.50	26	4.90
17	4.40	18	3.90	20	3.50	Nov. 3	4.90
23	4.40	25	3.90	30	4.50	10	4.80
Feb. 7	4.40	29	4.00	Aug. 15	4.70	18	4.80
11	4.40	May 9	4.00	25	4.90	23	4.80
28	4.20	17	4.10	Sept. 6	4.90	Dec. 1	4.70
Mar. 7	4.10	25	4.00	14	5.10	14	4.70
18	4.00	June 10	4.20	21	5.00	20	4.70
29	3.90	20	4.20	Oct. 7	4.90	28	4.60

Garfield County

21-16-14cb. Frank Smolik. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 18 inches, depth 154 feet. Highest water level 23.82 below lsd, Oct. 24, 1950; lowest 24.89 below lsd, Feb. 9, 1955. Records available: 1950-55. Feb. 9, 24.89.

24-15-20aa. U. S. Geol. Survey. Driven observation water-table well in fine sand of Pleistocene age, diameter 1 inch, depth 17 feet. Highest water level 1.80 below lsd, May 29, 1936; lowest 5.70 below lsd, July 17, 1940. Records available: 1935-36, 1938-42, 1952-55. Feb. 9, 3.96; Mar. 28, 3.04.

Gosper County

6-21-29cc. Forrester. Drilled unused water-table well in sand of Pleistocene age, diameter 4 inches, depth 136 feet. Land-surface datum is 2,401.25 feet above msl. Highest water level 112.40 below lsd, Dec. 20, 1954; lowest 123.72 below lsd, Oct. 16, 1948. Records available: 1948-52, 1954-55. Dec. 29, 113.37.

7-21-6bc. Andy Larson Estate. Drilled unused water-table well in Ogallala formation, diameter 4 inches, depth 132 feet. Land-surface datum is 2,466.95 feet above msl. Highest water level 91.35 below lsd, Dec. 29, 1955; lowest 117.80 below lsd, Sept. 26, 1935. Records available: 1934-40, 1948-55. Dec. 29, 91.35.

7-21-15bb. Sophia Swartz. Drilled unused water-table well in sand of Pleistocene age, diameter 3 inches, depth 221 feet. Highest water level 186.70 below lsd, Dec. 29, 1955; lowest 199.49 below lsd, Mar. 20, 1950. Records available: 1950-55. Dec. 29, 186.70.

7-22-8bb. Stan Salisburg Estate. Drilled unused water-table well in sand of Pleistocene age, diameter 3 inches, depth 284 feet. Land-surface datum is 2,638.44 feet above msl. Highest water level 220.62 below lsd, Dec. 29, 1955; lowest 251.65 below lsd, Nov. 25, 1947. Records available: 1947-55. Dec. 29, 220.62.

8-21-3dc. Jeffrey Bros. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 58 feet. Land-surface datum is 2,378 feet above msl. Highest water level 11.10 below lsd, July 14, 1947; lowest 14.50 below lsd, Sept. 10, 1947. Records available: 1946-55. Dec. 29, 13.94.

Grant County

24-36-30bb. U. S. Geol. Survey. Drilled observation water-table well in fine sand, diameter 1 inch, depth 15 feet. Highest water level 3.59 below lsd, June 8, 1935; lowest 6.62 below lsd, July 22, 1940. Records available: 1934-42, 1946-55. July 11, 4.42.

24-40-36bb. U. S. Geol. Survey. Drilled observation water-table well in fine sand, diameter 1 inch, depth 21 feet. Highest water level 12.32 below lsd, June 8, 1935; lowest 14.26 below lsd, Oct. 19, 1948. Records available: 1934-42, 1944-55. July 11, 12.51.

Greeley County

17-12-6dc. Wilber Fuss. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 18 inches, depth 92 feet. Highest water level 12.41 below lsd, Apr. 28, 1949; lowest 13.76 below lsd, Feb. 27, 1950. Records available: 1948-55. Mar. 2, 13.49.

17-12-9bb. E. E. Williams. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 33 feet. Highest water level 16.45 below lsd, July 13, 1950; lowest 22.22 below lsd, Nov. 29, 1949. Records available: 1949-55. Mar. 2, 20.02.

20-9-20db. U. S. Geol. Survey. Drilled observation water-table well in loess, diameter 3 inches, depth 19 feet. Highest water level 6.85 below lsd, July 24, 1950; lowest 9.84 below lsd, Aug. 12, 1952. Records available: 1938-41, 1948-53, 1955. Nov. 21, 9.65.

20-10-14ab. Albert Glaser. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 90 feet. Highest water level 7.85 below lsd, July 24, 1950; lowest 11.88 below lsd, Aug. 4, 1949. Records available: 1948-51, 1953, 1955. Nov. 21, 10.41.

Hall County

9-10-4dc. L. C. Hilsbeck. Drilled unused water-table well in silt and sand, diameter 24 inches, depth 25 feet. Land-surface datum is 1,908.13 feet above msl. Highest water level 2.91 below lsd, Mar. 30, 1951; lowest 7.77 below lsd, Sept. 22, 1955. Records available: 1946-55. Sept. 22, 7.77.

9-11-21bb. U. S. Geol. Survey. Driven observation water-table well in sand, diameter $1\frac{1}{4}$ inches, depth 15 feet. Land-surface datum is 1,957.8 feet above msl. Highest water level 6.86 below lsd, May 11, 1950; lowest 10.49 below lsd, Sept. 22, 1955. Records available: 1946-55. Apr. 19, 8.03; May 10, 8.57, measurement by Midstate Irrigation District; June 27, 8.12, measurement by Midstate Irrigation District; Sept. 22, 10.49.

9-12-9ba. E. F. Ohlman. Drilled irrigation water-table well in gravel and sand of Pleistocene age, diameter 24 inches, depth 63 feet. Land-surface datum is 2,002.28 feet above msl. Highest water level 18.50 below lsd, July 5, 1949; lowest 27.95 below lsd, Sept. 21, 1955. Records available: 1930-55. Apr. 19, 23.71; June 28, 23.50, measurement by Midstate Irrigation District; Sept. 21, 27.95.

10-9-28cc. Owner unknown. Drilled irrigation water-table well in sand of Pleistocene age, diameter 22 inches, depth 90 feet. Land-surface datum is 1,886.9 feet above msl. Highest water level 12.93 below lsd, July 8, 1949; lowest 16.36 below lsd, Sept. 22, 1955. Records available: 1946-55. Sept. 22, 16.36.

10-11-15dc. W. A. Bouton. Drilled irrigation water-table well in gravel and sand of Pleistocene age, diameter 24 inches, depth 53 feet. Land-surface datum is 1,944.0 feet above msl. Highest water level 15.20 below lsd, July 5, 1949; lowest 24.54 below lsd, Sept. 22, 1955. Records available: 1930-55. June 28, 20.73, measurement by Midstate Irrigation District; Sept. 22, 24.54.

10-11-30bc. J. M. Weldon. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 65 feet. Land-surface datum is 1,969.1 feet above msl. Highest water level 15.67 below lsd, June 23-30, 1931; lowest 26.57 below lsd, Sept. 26, 1955. Records available: 1930-55. Apr. 19, 22.46; May 10, 22.92, measurement by Midstate Irrigation District; June 27, 22.64, measurement by Midstate Irrigation District; Sept. 21, 26.57.

11-9-27bc. City of Grand Island. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches. Highest water level 6.00 below lsd, July 10, 1947; lowest dry at 14.87 below lsd, Sept. 22, 1955. Records available: 1942-55. June 17, 13.80; June 20, 12.86; Sept. 22, dry at 14.87.

11-10-16bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 19 feet. Land-surface datum is 1,892.50 feet above msl. Highest water level 7.85 below lsd, May 19, 1952; lowest 11.96 below lsd, Sept. 22, 1955. Records available: 1946-55. May 9, 10.23, measurement by Midstate Irrigation District; June 17, 10.19, measurement by Midstate Irrigation District; Sept. 22, 11.96.

11-11-25cc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 8 inches, depth 37 feet. Land-surface datum is 1,922.4 feet above msl. Highest water level 12.18 below lsd, June 25, 1949; lowest 21.43 below lsd, Sept. 21, 1955. Records available: 1946-55.

11-11-25cc--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.33	17.35	17.38	17.37	17.40	17.53	17.51	18.72	.....	20.52	20.10	20.08
2	17.33	17.35	17.36	17.37	17.40	17.53	17.51	18.78	.....	20.48	20.10	20.07
3	17.34	17.35	17.38	17.37	17.40	17.53	17.51	18.82	.....	20.45	20.10	20.07
4	17.34	17.35	17.38	17.36	17.40	17.53	17.50	18.93	.....	20.42	20.10	20.08
5	17.34	17.35	17.38	17.36	17.40	17.55	17.50	19.04	.....	20.38	20.10	20.08
6	17.34	17.35	17.38	17.36	17.40	17.55	17.50	19.13	.....	20.36	20.10	20.08
7	17.34	17.35	17.38	17.36	17.40	17.55	17.50	19.15	.....	20.34	20.10	20.08
8	17.34	17.35	17.38	17.37	17.40	17.55	17.50	.....	.....	20.33	20.10	20.08
9	17.34	17.35	17.37	17.37	17.41	17.53	17.50	.....	.....	20.31	20.09	20.08
10	17.34	17.36	17.37	17.37	17.42	17.53	17.48	.....	.....	20.29	20.08	20.08
11	17.34	17.36	17.36	17.37	17.43	17.53	17.48	.....	.....	20.27	20.08	20.09
12	17.34	17.36	17.36	17.37	17.44	17.53	17.48	.....	.....	20.26	20.08	20.09
13	17.34	17.36	17.36	17.40	17.44	17.53	17.48	.....	.....	20.25	20.08	20.09
14	17.34	17.37	17.36	17.40	17.45	17.53	17.48	.....	.....	20.23	20.08	20.09
15	17.34	17.37	17.36	17.40	17.45	17.53	17.47	.....	.....	20.22	20.07	20.09
16	17.34	17.37	17.37	17.40	17.45	17.53	17.46	.....	.....	20.21	20.08	20.09
17	17.34	17.37	17.37	17.40	17.46	17.53	17.45	.....	.....	20.20	20.09	20.09
18	17.34	17.37	17.37	17.40	17.47	17.53	17.44	.....	.....	20.19	20.09	20.09
19	17.34	17.37	17.37	17.40	17.48	17.54	17.43	.....	.....	20.18	20.08	20.10
20	17.34	17.37	17.37	17.40	17.49	17.54	17.42	.....	21.40	20.17	20.08	20.10
21	17.34	17.37	17.37	17.40	17.50	17.54	17.46	.....	21.43	20.17	20.08	20.09
22	17.34	17.38	17.37	17.40	17.50	17.54	17.55	.....	21.40	20.16	20.07	20.09
23	17.34	17.38	17.37	17.40	17.50	17.54	17.67	.....	21.12	20.15	20.08	20.10
24	17.34	17.38	17.37	17.40	17.51	17.53	17.90	.....	20.96	20.15	20.08	20.11
25	17.34	17.38	17.37	17.40	17.52	17.53	18.02	.....	20.94	20.14	20.08	20.10
26	17.35	17.38	17.37	17.40	17.52	17.53	18.14	.....	20.76	20.13	20.08	20.10
27	17.35	17.38	17.38	17.40	17.52	17.53	18.29	.....	20.69	20.12	20.07	20.11
28	17.35	17.38	17.38	17.40	17.53	17.52	18.39	.....	20.64	20.12	20.08	20.11
29	17.35		17.38	17.40	17.53	17.52	18.49	.....	20.59	20.12	20.08	20.11
30	17.35		17.38	17.40	17.53	17.52	18.54	.....	20.56	20.12	20.08	20.11
31	17.35		17.37		17.53		18.63	.....		20.11		20.10

11-11-32cb. Frank Hughes. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 65 feet. Land-surface datum is 1,960.0 feet above msl. Highest water level 29.04 below lsd, May 20, 1931; lowest 39.51 below lsd, Sept. 21, 1955. Records available: 1930-41, 1943-55. Apr. 19, 36.98; June 27, 37.25, measurement by Midstate Irrigation District; Sept. 21, 39.51.

11-11-36cb. C. B. Modesitt. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 8 feet, depth 71 feet. Land-surface datum is 1,929.0 feet above msl. Highest water level 19.90 below lsd, July 5, 1949; lowest 29.98 below lsd, Sept. 22, 1955. Records available: 1930-40, 1943-55. June 28, 24.47, measurement by Midstate Irrigation District; Sept. 22, 29.98.

12-9-32aa2. Hall County Farm. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 92 feet. Land-surface datum is 1,859.8 feet above msl. Highest water level 9.72 below lsd, July 5, 1949; lowest 16.5 below lsd, Sept. 22, 1955. Records available: 1946-55. Sept. 22, 16.51.

12-11-24cd. U. S. Geol. Survey. Drilled observation water-table well in clay and fine sand, diameter $1\frac{1}{4}$ inches, depth 17 feet. Land-surface datum is 1,900.80 feet above msl. Highest water level 3.54 below lsd, July 5, 1949; lowest 12.26 below lsd, Oct. 4, 1946. Records available: 1946-55. Apr. 19, 9.74; May 9, 9.88, measurement by Midstate Irrigation District; June 17, 10.33, measurement by Midstate Irrigation District; Sept. 21, 11.42.

Hamilton County

9-6-34bb. Tom Wild. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 87 feet. Highest water level 38.40 below lsd, Apr. 29, 1949; lowest 44.29 below lsd, Nov. 14, 1940. Records available: 1934-42, 1944, 1946-49. No measurement made in 1955.

9-8-9dc. Robert Phillips. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 5 inches, depth 67 feet. Land-surface datum is 1,848.58 feet above msl. Highest water level 54.38 below lsd, Oct. 30, 1935; lowest 58.40 below lsd, Dec. 31, 1946. Records available: 1934-42, 1944, 1946, 1948-50, 1954-55. Nov. 4, 55.40.

10-7-5bb. Frank Sims. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches. Land-surface datum is 1,864.05 feet above msl. Highest water level 85.83 below lsd, July 1, 1949; lowest 88.06 below lsd, Nov. 30, 1955. Records available: 1949, 1954-55. Nov. 30, 88.06.

11-6-13cb. O. S. Swedberg. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 193 feet. Highest water level 90.30 below lsd, Jan. 24, 1935; lowest 97.38 below lsd, Nov. 4, 1955. Records available: 1934-42, 1944, 1946-55. Feb. 23, 94.44; Nov. 4, 97.38.,

11-8-28bc. H. J. Rathje. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 90 feet. Land-surface datum is 1,844.74 feet above msl. Highest water level 27.82 below lsd, Apr. 28, 1953; lowest 32.26 below lsd, Nov. 30, 1955. Records available: 1946-55. Nov. 30, 32.26.

12-7-21dc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 15 feet. Land-surface datum is 1,776.25 feet above msl. Highest water level 7.64 below lsd, June 14, 1949; lowest dry at 12.80, Nov. 30, 1955. Records available: 1949-55. Nov. 30, dry at 12.80.

13-6-27cc. Harry G. Lock. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 24 inches, depth 61 feet. Land-surface datum is 1,714.94 feet above msl. Highest water level 7.57 below lsd, May 28, 1952; lowest 11.41 below lsd, Nov. 14, 1940. Records available: 1935-40, 1942, 1944, 1946-55. Nov. 30, 11.12.

14-5-35aa. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 11 feet. Land-surface datum is 1,643.67 feet above msl. Highest water level 2.51 below lsd, Mar. 27, 1952; lowest 5.00 below lsd, Nov. 12, 1953. Records available: 1949-55. Nov. 30, 4.92.

Harlan County

1-17-1da. U. S. Geol. Survey. Drilled observation water-table well in silt and soil of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 14 feet. Land-surface datum is 1,878.45 feet above msl. Highest water level 1.95 below lsd, Oct. 25, 1946; lowest 9.06 below lsd, Sept. 22, 1953. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	4.72	July 13	6.69	Sept. 12	8.51	Nov. 9	7.50
Mar. 8	3.56	Aug. 19	7.88	Oct. 6	7.43	Dec. 21	7.26
June 6	4.10						

2-18-33cd. C. A. Feese. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 4 feet, depth 27 feet. Highest water level 5.68 below lsd, Aug. 1, 1947; lowest 14.42 below lsd, Sept. 27, 1934. Records available: 1934-42, 1944, 1946-54. No measurement made in 1955.

2-19-28dd. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 22 feet. Highest water level 6.59 below lsd, June 11, 1949; lowest 12.14 below lsd, Sept. 13, 1955. Records available: 1940-41, 1946-55. July 11, 10.74; Aug. 17, 11.79; Sept. 13, 12.14; Oct. 12, 12.09; Nov. 4, 11.96; Dec. 30, 11.09.

3-20-25cc. U. S. Geol. Survey. Drilled observation water-table well in silt and clay of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 24 feet. Land-surface datum is 2,024 feet above msl. Highest water level 10.22 below lsd, Aug. 1, 1949; lowest 17.71 below lsd, Oct. 30, 1953. Records available: 1946-55. Feb. 28, 15.73; June 2, 17.09; Aug. 17, 13.73; Sept. 14, 13.32; Oct. 11, 13.82; Nov. 3, 14.12; Dec. 29, 14.32.

Hayes County

5-33-31dcb. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 23 feet. Highest water level 6.64 below lsd, Apr. 9, 1937; lowest 15.15 below lsd, Sept. 29, 1953. Records available: 1936-44, 1946-55.

July 31, 1952	14.10	Apr. 24, 1953	12.24	Nov. 24, 1953	14.24	May 10, 1955	13.23
Aug. 25	14.10	May 22	12.81	Jan. 29, 1954	13.82	June 16	12.49
Oct. 30	13.23	June 26	13.66	Apr. 19	12.82	July 7	12.95
Nov. 27	13.24	July 16	14.06	Jan. 12, 1955	13.31	Sept. 13	14.80
Dec. 20	13.15	Aug. 28	14.33	19	13.28	Nov. 10	14.93
Jan. 28, 1953	12.95	Sept. 29	15.15	Mar. 18	13.03	15	13.53
Mar. 27	13.16	Oct. 28	14.77	23	13.10		

5-34-30ba. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter 1¼ inches, depth 17 feet. Highest water level 9.63 below lsd, Feb. 8, 1949; lowest 12.81 below lsd, Apr. 19, 1954. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 27, 1953	11.11	Sept. 29, 1953	11.35	Jan. 12, 1955	11.57	June 16, 1955	11.04
Apr. 24	11.03	Oct. 28	11.42	19	11.60	July 7	10.96
May 22	11.02	Nov 24	11.70	Mar. 18	11.10	Sept. 13	11.26
June 25	11.15	Jan. 29, 1954	11.40	23	11.11	Nov. 10	11.32
July 17	11.03	Apr. 19	12.81	May 10	11.17	15	11.11
Aug. 28	11.18						

5-35-16ddd. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Highest water level 6.83 below lsd, Feb. 8, 1949; lowest 9.74 below lsd, Dec. 7, 1950. Records available: 1946-55.

Nov. 27, 1952	9.10	June 25, 1953	9.16	Jan. 29, 1954	9.06	Mar. 23, 1955	8.67
Dec. 20	9.00	July 17	8.91	Apr. 19	9.59	May 10	9.14
Jan. 28, 1953	8.80	Aug. 28	8.98	Jan. 12, 1955	9.23	June 16	8.82
Mar. 26	8.74	Sept. 29	9.09	19	9.32	July 7	8.95
Apr. 24	8.71	Oct. 28	9.29	Mar. 18	8.66	Nov. 10	9.32
May 22	8.70	Nov. 24	9.49				

Hitchcock County

2-35-21bc. Rev. Otto Brownfield. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 16 inches, depth 47 feet. Land-surface datum is 2,831.0 feet above msl. Highest water level 19.08 below lsd, June 3, 1952; lowest 24.02 below lsd, Dec. 14, 1954. Records available: 1934-41, 1946-55. Mar. 23, 22.75.

2-35-24aa. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Land-surface datum is 2,778.0 feet above msl. Highest water level 3.67 below lsd, June 9, 1949; lowest 8.77 below lsd, Oct. 8, 1947. Records available: 1946-55. Jan. 27, 6.23; Mar. 23, 7.76; May 21, 5.92; July 21, 6.93; Sept. 6, 7.82; Nov. 8, 7.40.

3-31-14bc. U. S. Geol. Survey. Drilled observation water-table well in silt of Pleistocene age, diameter 1¼ inches, depth 26 feet. Land-surface datum is 2,569.0 feet above msl. Highest water level 11.82 below lsd, Oct. 8, 1947; lowest 15.88 below lsd, Aug. 15, 1946. Records available: 1946-55.

Jan. 12	14.60	June 21	14.36	Aug. 30	15.12	Nov. 1	14.27
Mar. 30	14.70	July 27	14.14	Oct. 3	13.47	Dec. 13	14.23

3-32-11bb. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter 1¼ inches, depth 18 feet. Highest water level 12.65 below lsd, Feb. 8, 1949; lowest 14.88 below lsd, Nov. 10, 1955. Records available: 1946-55. Jan. 19, 12.74; Mar. 18, 13.63; May 10, 13.82; June 16, 14.16; July 7, 14.24; Sept. 13, 14.82; Nov. 10, 14.88.

3-32-26dd. Ernst Meintz. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 84 feet. Highest water level 26.74 below lsd, Apr. 14, 1952; lowest 31.27 below lsd, Sept. 22, 1954. Records available: 1946-55. Jan. 26, 29.77; Mar. 18, 29.41; Nov. 4, 30.89.

3-33-35dc. S. H. Lawrence. Drilled unused water-table well in gravel of Pleistocene age, diameter 1¼ inches, depth 27 feet. Highest water level 9.38 below lsd, June 10, 1949; lowest 13.79 below lsd, Aug. 11, 1953. Records available: 1935-43, 1946-55. Jan. 27, 10.15; Mar. 18, 10.69; May 21, 10.75; July 20, 11.23; Sept. 6, 12.30; Nov. 4, 11.89.

4-33-23ad. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter 1¼ inches, depth 19 feet. Highest water level 11.70 below lsd, June 9, 1949; lowest 14.33 below lsd, Nov. 10, 1955. Records available: 1946-55. Jan. 19, 13.17; Mar. 18, 12.61; May 10, 13.63; June 16, 13.55; July 7, 13.30; Sept. 13, 14.20; Nov. 10, 14.33.

Holt County

27-9-34da. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 17 feet. Highest water level 3.73 below lsd, Mar. 29, 1952; lowest 9.90 below lsd, Sept. 1, 1948. Records available: 1934-55.

27-9-34da--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	7.84	Apr. 11	7.72	July 5	7.91	Sept. 23	8.59
31	7.73	26	7.48	21	8.32	Oct. 26	8.34
Feb. 15	7.61	May 10	8.13	Aug. 3	8.62	Nov. 9	8.31
Mar. 1	7.52	June 6	8.17	16	8.58	29	8.13
15	7.19	22	7.96	Sept. 2	8.90	Dec. 21	7.79
28	7.54						

29-13-13dd. Frank Freolick. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 55 feet. Land-surface datum is 2,055.81 feet above msl. Highest water level 31.97 below lsd, Apr. 6, 1953; lowest 43.07 below lsd, Mar. 22, 1948. Records available: 1947-55. Mar. 28, 36.11; July 15, 36.61; Oct. 20, 37.08.

30-13-27cc. John Tenborg. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 67 feet. Land-surface datum is 2,064.64 feet above msl. Highest water level 18.29 below lsd, July 23, 1953; lowest 30.80 below lsd, Oct. 13, 1948. Records available: 1947-55. Mar. 28, 22.60; July 15, 23.43; Oct. 20, 23.96.

30-14-23dd. Joe Albright. Drilled stock water-table well in sand of Pleistocene age, diameter 6 inches, depth 46 feet. Land-surface datum is 2,090.15 feet above msl. Highest water level 25.83 below lsd, July 23, 1953; lowest 32.05 below lsd, July 12, 1948. Records available: 1947-48, 1950-55. Mar. 28, 28.09; July 15, 28.49; Oct. 20, 28.73.

31-14-35cb. Vern Wilbur. Drilled unused water-table well in sand of Pleistocene age, diameter 5 inches, depth 28 feet. Land-surface datum is 2,077.39 feet above msl. Highest water level 21.76 below lsd, July 23, 1953; lowest 29.21 below lsd, June 15, 1948. Records available: 1947-55. Mar. 28, 24.19; July 15, 24.65; Oct. 20, 25.64.

Hooker County

24-31-18cb. U. S. Bureau of Reclamation. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 42 feet. Highest water level 32.51 below lsd, Oct. 5, 1950; lowest 33.65 below lsd, Oct. 17, 1955. Records available: 1948, 1950-55. Oct. 17, 33.65.

24-35-23dd. U. S. Geol. Survey. Drilled observation water-table well in fine sand of Pleistocene age, diameter 1 inch, depth 23 feet. Highest water level 0.19 below lsd, June 8, 1935; lowest 20.87 below lsd, May 13, 1949. Records available: 1934-42, 1944-55. July 11, 6.13; Oct. 17, 12.56.

Howard County

13-9-27ca. Placke Estate. Drilled unused water-table well in gravel of Pleistocene age, diameter 2 inches, depth 53 feet. Land-surface datum is 1,857.95 feet above msl. Highest water level 15.47 below lsd, Aug. 16, 1950; lowest 22.09 below lsd, Oct. 26, 1940. Records available: 1934-42, 1944, 1948-55. Nov. 21, 19.69.

13-11-11ba. Town of Dannebrog. Drilled unused water-table well in sand of Pleistocene age, diameter 8 inches, depth 31 feet. Land-surface datum is 1,870.84 feet above msl. Highest water level 25.11 below lsd, July 5-6, 1951; lowest 29.88 below lsd, Sept. 18-19, 1955. Records available: 1950-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	28.21	27.88	27.80	27.93	.....	28.36	.....	.....	.....	29.71	.....
2	.....	28.21	27.87	27.80	27.91	.....	28.39	29.15	.....	.....	29.71	.....
3	.....	28.21	27.80	27.76	27.92	.....	28.44	29.17	.....	.....	29.70	.....
4	.....	28.20	27.74	27.77	27.95	.....	28.46	29.20	.....	.....	29.67	.....
5	.....	28.18	27.72	27.80	27.96	.....	28.50	29.21	.....	.....	29.65	.....
6	.....	28.17	27.72	27.83	27.96	.....	28.52	29.22	.....	.....	29.65	.....
7	.....	28.17	27.71	27.83	28.00	.....	28.55	29.24	.....	.....	.....	.....
8	.....	28.16	27.70	27.83	28.01	.....	28.60	29.25	.....	.....	.....	.....
9	.....	28.16	27.68	27.83	28.03	.....	28.64	29.26	.....	.....	.....	.....
10	.....	28.18	27.66	27.83	28.06	.....	28.68	29.28	.....	.....	.....	.....
11	28.25	28.18	27.68	27.81	28.08	.....	28.72	29.29	.....	.....	.....	.....
12	28.25	28.18	27.70	27.79	28.10	.....	28.74	29.31	29.80	.....	.....	.....
13	28.26	28.17	27.70	27.80	28.12	.....	.....	29.32	29.80	.....	.....	.....
14	28.25	.....	27.71	27.80	28.14	.....	.....	29.34	29.81	.....	.....	.....
15	28.24	.....	27.74	27.80	28.16	.....	.....	29.35	29.82	29.76	.....	.....

13-11-11ba--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	28.24	.....	27.76	27.81	28.18	.....	.....	29.36	29.83	29.76	.....	.....
17	28.24	.....	27.77	27.82	28.19	28.39	.....	29.37	29.85	29.76	.....	.....
18	28.25	28.05	27.78	27.81	.....	28.36	.....	29.37	29.88	29.76	.....	.....
19	28.26	28.04	27.78	27.80	.....	28.29	.....	29.38	29.88	29.75	.....	.....
20	28.25	28.03	27.78	27.81	.....	28.26	.....	29.38	.....	29.75	.....	.....
21	28.23	28.01	27.78	27.82	.....	28.26	.....	29.39	.....	29.76	29.43	.....
22	28.23	28.01	27.78	27.82	.....	28.27	.....	29.45	.....	29.77	29.40	.....
23	28.23	27.99	27.79	27.82	.....	28.28	.....	29.46	.....	29.77	.....	.....
24	28.22	27.98	27.81	27.83	.....	28.30	.....	.....	.....	29.77	.....	.....
25	28.22	27.96	27.82	27.86	.....	28.31	.....	.....	.....	29.76	.....	.....
26	28.23	27.92	27.84	27.86	.....	28.32	.....	.....	.....	29.76	.....	29.19
27	28.23	27.92	27.84	27.86	.....	28.32	.....	.....	.....	29.76	.....	29.18
28	28.24	27.90	27.84	27.90	.....	28.32	.....	.....	.....	29.75	.....	29.19
29	28.23		27.82	27.92	.....	28.32	.....	.....	.....	29.74	.....	29.20
30	28.23		27.81	27.93	.....	28.33	.....	.....	.....	29.74	.....	29.20
31	28.22		27.80		.....		.....	.....		29.74		29.17

13-11-29cb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 11 feet. Land-surface datum is 1,875.92 feet above msl. Highest water level 2.79 below lsd, Apr. 10, 1950; lowest 9.77 below lsd, Aug. 11, 1954. Records available: 1949-55. Feb. 16, 5.28.

13-12-29ba. Mrs. Olga Young. Dug unused water-table well in sand of Pleistocene age, diameter 36 inches, depth 31 feet, cribbed with brick. Land-surface datum is 1,928.08 feet above msl. Highest water level 24.36 below lsd, July 8, 1949; lowest 30.43 below lsd, Oct. 28, 1940. Records available: 1934-42, 1948-55. Feb. 16, 26.90.

14-10-14bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 12 feet. Land-surface datum is 1,795.83 feet above msl. Highest water level 4.21 below lsd, Aug. 17, 1950; lowest 8.15 below lsd, Oct. 29, 1940. Records available: 1934-42, 1944, 1948-55. Nov. 21, 7.72.

14-10-28dd. School District. Drilled unused water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches. Land-surface datum is 1,813.22 feet above msl. Highest water level 4.06 below lsd, May 22, 1949; lowest 6.09 below lsd, Aug. 5, 1953. Records available: 1949-55. Mar. 3, 5.54.

14-11-6ba. Town of Farwell. Drilled public-supply water-table well in sand of Pleistocene age, diameter 12 inches, depth 115 feet. Highest water level 27.29 below lsd, Dec. 5, 1952; lowest 30.81 below lsd, Aug. 15, 1949. Records available: 1949, 1952, 1954-55. Nov. 21, 29.67.

15-9-9aa. Wilber Edwards. Drilled unused water-table well in sand of Pleistocene age, diameter 18 inches, depth 90 feet. Land-surface datum is 1,780.23 feet above msl. Highest water level 30.94 below lsd, Sept. 11, Oct. 23, 1951; lowest 34.38 below lsd, May 25, 1955. Records available: 1948-55. Mar. 2, 34.24; May 25, 34.38.

15-10-19ab. Harry Ward. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 82 feet. Land-surface datum is 1,801.15 feet above msl. Highest water level 8.48 below lsd, June 29, 1948; lowest 11.53 below lsd, Sept. 2, 1949. Records available: 1948-52, 1954-55. Feb. 15, 10.66.

16-11-19cb1. Ray Parker. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 96 feet. Land-surface datum is 1,904.72 feet above msl. Highest water level 40.56 below lsd, May 31, June 1, 1951; lowest 50.53 below lsd, Sept. 4, 1953. Records available: 1950-55. Feb. 28, 43.64.

Jefferson County

A1-4-19ac. Robert Garrett. Drilled unused water-table well in glacial drift, diameter 5 inches, depth 35 feet. Highest water level 25.88 below lsd, Dec. 14, 1953; lowest 31.43 below lsd, Oct. 23, 1937. Records available: 1934-40, 1946, 1953. Measurement discontinued.

Kearney County

5-14-16cb. Nels Peterson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 255 feet. Land-surface datum is 2,179.70 feet above msl. Highest water level 140.10 below lsd, Aug. 21, 1951; lowest 142.18 below lsd, Aug. 11, 1947. Records available: 1947-53, 1955. Nov. 3, 141.45.

5-14-33bb. Mrs. Ingeborg Nielson. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 172 feet. Land-surface datum is 2,175.07 feet above msl. Highest water level 157.23 below lsd, Dec. 17, 1954; lowest 158.53 below lsd, Sept. 14, 1948. Records available: 1948-55. Nov. 3, 157.50.

5-15-3ba. Ed Downs. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 122 feet. Land-surface datum is 2,192.73 feet above msl. Highest water level 99.00 below lsd, Apr. 6, 1955; lowest 108.15 below lsd, Aug. 8, 1947. Records available: 1947-55. Apr. 6, 99.00; Dec. 30, 101.28.

5-16-30da. R. R. Caswell. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 172 feet. Land-surface datum is 2,228.21 feet above msl. Highest water level 135.48 below lsd, May 24, 1951; lowest 137.65 below lsd, Aug. 3, 1948. Records available: 1947-55. Dec. 30, 136.11.

6-13-16db. V. M. Youngson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 171 feet. Land-surface datum is 2,082.10 feet above msl. Highest water level 82.22 below lsd, Dec. 16, 1954; lowest 89.42 below lsd, Aug. 13, 1947. Records available: 1947-52, 1954-55. Dec. 30, 85.24.

6-14-21db. Eva L. Larson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches. Land-surface datum is 2,155.93 feet above msl. Highest water level 102.22 below lsd, June 19, 1952; lowest 104.62 below lsd, Dec. 5, 1950. Records available: 1947-52, 1954-55. Dec. 30, 103.19.

6-15-1cb. Roy Youngson. Drilled irrigation water-table well in gravel, diameter 18 inches, depth 176 feet. Land-surface datum is 2,171.80 feet above msl. Highest water level 63.75 below lsd, Dec. 30, 1955; lowest 71.36 below lsd, June 29, 1948. Records available: 1948-55. Dec. 30, 63.75.

6-16-14ad. George Johnson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 12 inches, depth 210 feet. Land-surface datum is 2,217.72 feet above msl. Highest water level 68.50 below lsd, Dec. 30, 1955; lowest 82.65 below lsd, Apr. 12, 1949. Records available: 1948-55. Dec. 30, 68.50.

6-16-20bb. Elmer E. Carlson. Drilled unused water-table well in gravel, diameter 3 inches, depth 102 feet. Land-surface datum is 2,235.72 feet above msl. Highest water level 68.22 below lsd, Jan. 23, 1951; lowest 100.50 below lsd, Oct. 29, 1938. Records available: 1934-42, 1946-55. Dec. 30, 70.06.

7-13-20aa. Charles Gleason. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 168 feet. Land-surface datum is 2,087.54 feet above msl. Highest water level 52.04 below lsd, Dec. 16, 1954; lowest 56.67 below lsd, Nov. 17, 1947. Records available: 1947-55. Dec. 30, 52.75.

7-14-20ba. George Burchall. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 183 feet. Land-surface datum is 2,155.96 feet above msl. Highest water level 71.17 below lsd, Dec. 16, 1954; lowest 75.75 below lsd, June 10, 1949. Records available: 1948-55. Dec. 30, 71.27.

7-16-8dc. Israel Kring Estate. Drilled irrigation water-table well in sand of Pleistocene age, diameter 14 inches, depth 54 feet. Land-surface datum is 2,176.80 feet above msl. Highest water level 12.62 below lsd, Nov. 22, 1954; lowest 18.93 below lsd, Aug. 7, 1947. Records available: 1947-51, 1954. Measurement discontinued.

8-14-13db. Hardon Yensen. Drilled irrigation water-table well in gravel and fine sand, diameter 24 inches, depth 40 feet. Land-surface datum is 2,062.07 feet above msl. Highest water level 6.39 below lsd, May 3, 1951; lowest 10.98 below lsd, Oct. 27, 1940. Records available: 1930-55. Dec. 7, 9.40.

8-15-21dc. George Raffety. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 32 feet. Land-surface datum is 2,119.20 feet above msl. Highest water level 3.20 below lsd, Nov. 15, 1946; lowest 7.26 below lsd, Sept. 18, 1953. Records available: 1946-55. Dec. 7, 6.81.

8-16-28aa. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 15 feet. Land-surface datum is 2,159.34 feet above msl. Highest water level 4.36 below lsd, Oct. 10, 1946; lowest 7.60 below lsd, Sept. 7, 1946. Records available: 1946-55. May 12, 6.64, measurement by Midstate Irrigation District; Dec. 7, 6.79.

Keith County

13-35-6dd. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diameter 2 inches, depth 15 feet. Land-surface datum is 3,063.88 feet above msl. Highest water level 5.90 below lsd, May 8, 1942; lowest 12.02 below lsd, Oct. 25, 1954. Records available: 1938-46, 1948-55. Nov. 7, 10.12.

13-36-8cc. U. S. Geol. Survey. Drilled unused water-table well in Platte Valley alluvium, diameter 15 inches, depth 11 feet. Land-surface datum is 3,111.83 feet above msl. Highest water level 1.22 below lsd, Mar. 17, 1952; lowest 5.79 below lsd, Aug. 17-22, 1946. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.66	3.50	3.35	3.16	3.65	3.12	3.48	4.50	5.14	5.11	4.39	3.57
2	3.66	3.48	3.32	3.16	3.67	3.14	3.54	4.54	5.16	5.13	4.07	3.55
3	3.65	3.47	2.89	3.17	3.71	3.22	3.63	4.58	5.18	5.14	3.94	3.53
4	3.64	....	2.71	3.22	3.75	3.25	3.71	4.60	5.20	5.15	3.92	3.55
5	3.62	....	2.70	3.25	3.80	3.26	3.77	4.60	5.22	5.17	3.95	3.57
6	3.64	....	2.70	3.27	3.83	3.28	3.82	4.50	....	5.21	3.98	....
7	3.64	....	2.72	3.27	3.86	3.29	3.85	4.43	....	5.23	4.00	3.68
8	3.65	3.56	2.71	3.27	3.87	3.30	3.90	4.42	....	5.24	4.00	3.71
9	3.67	3.54	2.74	3.29	3.89	3.32	3.92	4.43	5.24	5.26	3.93	3.74
10	3.67	3.52	2.82	3.30	3.92	....	3.99	4.41	5.25	5.27	3.84	3.75
11	3.66	3.51	2.88	3.30	3.93	....	4.06	4.35	5.26	5.27	3.75	3.76
12	3.67	3.51	2.93	3.30	3.95	....	4.10	4.32	5.27	5.27	3.75	3.76
13	3.67	3.51	2.96	3.30	3.96	....	4.11	4.34	5.28	5.23	3.74	3.75
14	3.66	3.50	3.00	3.27	3.97	....	4.12	4.37	5.29	....	3.73	3.77
15	3.66	3.46	3.05	3.17	3.99	....	3.99	4.37	5.31	....	3.69	3.77
16	3.64	3.40	3.08	3.19	3.99	3.26	3.92	4.41	5.33	....	3.71	3.76
17	3.63	3.35	3.11	3.20	3.98	3.27	4.00	4.45	5.34	....	3.72	3.71
18	3.62	3.28	3.12	3.24	3.61	3.30	4.06	4.49	5.36	....	3.72	3.73
19	3.62	3.26	3.16	3.28	3.04	3.34	4.11	4.53	5.37	....	3.70	3.72
20	3.59	3.26	3.20	3.33	3.06	3.37	4.15	4.57	5.38	....	3.68	3.71
21	....	3.29	3.20	3.38	3.10	3.37	4.20	4.62	5.38	....	3.67	3.71
22	....	3.33	3.19	3.41	3.19	3.37	4.24	4.68	5.38	....	3.62	3.68
23	....	....	3.16	3.44	3.19	3.37	4.25	4.73	5.33	....	3.58	3.67
24	....	3.40	3.19	3.49	3.22	3.35	4.27	4.77	5.29	4.80	3.56	3.65
25	....	3.38	3.20	3.51	3.27	3.36	4.31	4.82	5.27	4.78	3.54	3.65
26	....	3.38	3.25	....	3.27	3.37	4.35	4.87	5.10	4.74	3.51	3.64
27	....	3.38	3.26	....	2.67	3.37	4.38	4.91	5.03	4.69	3.49	3.62
28	3.58	3.37	3.25	....	2.80	3.34	4.41	4.94	5.05	4.63	3.52	3.59
29	3.56		3.18	3.61	2.90	3.33	4.42	5.06	5.08	4.58	3.58	3.60
30	3.54		3.11	3.63	3.00	3.41	....	5.08	5.09	4.52	3.58	....
31	3.51		3.15		3.08		....	5.11		4.44		....

13-36-9ad. U. S. Geol. Survey. Drilled observation water-table well in Platte Valley alluvium, diameter 15 inches, depth 11 feet. Land-surface datum is 3,093.6 feet above msl. Highest water level 0.04 above lsd, Mar. 17, 1952; lowest 3.85 below lsd, Aug. 27-28, 1955. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.60	2.39	1.64	1.62	2.32	1.81	2.55	3.61	3.76	3.29	3.10	2.77
2	2.60	2.37	1.62	1.64	2.36	1.89	2.64	3.67	3.75	3.28	3.10	2.76
3	2.60	2.36	1.56	1.68	2.41	1.97	2.74	3.70	3.74	3.26	3.09	2.75
4	2.59	2.35	1.44	1.72	2.46	1.98	2.82	3.70	3.73	3.24	3.08	2.72
5	2.58	....	1.31	1.77	2.49	1.96	2.90	3.70	3.73	3.23	3.06	2.70
6	2.56	....	1.37	1.80	2.52	2.04	2.94	3.65	....	3.23	3.05	....
7	2.54	....	1.35	1.83	2.55	2.13	2.98	3.62	....	3.22	3.05	2.62
8	2.52	2.30	1.18	1.84	2.58	2.13	3.02	3.63	....	3.22	3.05	2.62
9	2.51	2.29	1.12	1.85	2.60	2.13	3.03	3.63	3.73	3.21	3.05	2.62
10	2.51	2.29	1.22	1.86	2.62	....	3.07	3.59	3.73	3.21	3.04	2.61
11	2.51	2.30	1.33	1.87	2.64	....	3.12	3.50	3.72	3.21	3.04	2.60
12	2.50	2.33	1.40	1.87	2.66	....	3.14	3.45	3.66	3.20	3.03	2.59
13	2.50	2.35	1.45	1.78	2.68	....	3.15	3.49	3.62	3.20	3.01	2.57
14	2.49	2.33	1.50	1.76	2.70	....	3.16	3.53	3.61	....	3.01	2.57
15	2.49	2.26	1.51	1.77	2.72	....	3.17	3.55	3.62	....	3.00	2.57
16	2.49	2.14	1.53	1.81	2.74	2.07	3.18	3.59	3.64	....	2.99	2.57
17	2.49	2.00	1.53	1.84	2.73	2.07	3.20	3.63	3.65	....	2.98	2.56
18	2.48	1.88	1.58	1.86	1.72	2.05	3.23	3.66	3.66	....	2.98	2.57
19	2.47	1.87	1.58	1.91	1.45	2.11	3.26	3.71	3.66	....	2.97	2.57
20	2.46	....	1.61	1.97	1.57	2.20	3.28	3.73	3.65	....	2.95	2.57

13-36-9ad--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	....	....	1.66	2.01	1.70	2.27	3.32	3.75	3.63	....	2.93	....
22	....	....	1.67	2.03	1.79	2.33	3.34	3.78	3.56	....	2.89	2.49
23	....	....	1.66	2.04	1.81	2.37	3.34	3.81	3.55	....	2.87	2.48
24	....	....	1.66	2.03	1.89	2.40	3.34	3.81	3.49	3.15	2.85	2.48
25	....	....	1.68	2.05	1.94	2.41	3.37	3.83	3.43	3.14	2.84	....
26	....	....	1.78	2.08	1.30	2.43	3.41	3.84	3.36	3.14	2.82	....
27	....	....	1.81	2.14	1.22	2.43	3.41	3.85	3.32	3.13	2.80	....
28	....	....	1.79	2.19	1.40	2.23	3.45	3.85	3.32	3.12	2.79	....
29	2.42		1.70	2.25	1.52	2.29	3.47	3.84	3.31	3.12	2.78	2.37
30	2.41		1.63	2.29	1.59	2.44	....	3.81	3.29	3.12	2.78	....
31	2.40		1.60		1.71		....	3.79		3.11		....

13-37-3ab. Charles E. Thalken. Drilled unused water-table well in gravel of Pleistocene age, diameter 6 inches. Highest water level 10.55 below lsd, May 8, 1942; lowest 15.80 below lsd, Nov. 6, 1947. Records available: 1935-49, 1953-55. Nov. 7, 15.11.

13-38-3ba. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in coarse sand and gravel of Pleistocene age, diameter 5 inches, depth 19 feet. Land-surface datum is 3,197.58 feet above msl. Highest water level 9.27 below lsd, May 8, 1942; lowest 15.80 below lsd, Oct. 1, 1955. Records available: 1936-55. By Central Nebraska Power and Irrigation District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	13.80	Apr. 30	13.40	Aug. 2	14.50	Oct. 31	14.50
31	13.60	June 3	13.20	31	15.00	Dec. 2	14.20
Mar. 12	12.90	July 11	14.00	Oct. 1	15.80		

13-38-6ca. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in fine and coarse sand and gravel, diameter 5 inches, depth 16 feet. Land-surface datum is 3,217.84 feet above msl. Highest water level 9.94 below lsd, May 8, 1942; lowest 16.90 below lsd, Nov. 2, 1954. Records available: 1936-55. By Central Nebraska Public Power and Irrigation District.

Jan. 4	13.90	Apr. 30	13.80	Aug. 2	16.00	Oct. 31	15.60
31	13.70	June 3	14.00	31	16.10	Nov. 7	15.20
Mar. 12	13.30	July 11	14.50	Oct. 1	16.20	Dec. 2	15.00

13-39-19cd. George McGinley. Drilled unused water-table well in alluvial gravel of Ogallala formation, diameter 4 inches, depth 54 feet. Highest water level 39.96 below lsd, Oct. 27, 1935; lowest 47.43 below lsd, Nov. 7, 1955. Records available: 1935-41, 1944, 1947-51, 1953-55. Nov. 7, 47.43.

13-39-34dd. George Peters Estate. Drilled unused water-table well in Ogallala formation, diameter 3 inches, depth 199 feet. Highest water level 166.07 below lsd, Oct. 6, 1949; lowest 167.73 below lsd, Oct. 28, 1954. Records available: 1935-42, 1947, 1949-50, 1954. Measurement discontinued.

16-38-7aa. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in fine sand of Pleistocene age, diameter 4 inches, depth 15 feet. Land-surface datum is 3,499.11 feet above msl. Highest water level 7.63 below lsd, May 4, 1942; lowest 10.90 below lsd, Aug. 31, Dec. 31, 1955. Records available: 1936-55.

Jan. 31	10.60	Apr. 30	10.50	July 13	10.30	Oct. 31	10.80
Feb. 28	10.50	June 2	10.10	Aug. 1	10.70	Nov. 30	10.80
Mar. 12	10.40	6	10.10	31	10.90	Dec. 31	10.90
31	10.40	July 1	10.10	Sept. 30	10.80		

Kimball County

14-58-1cc. C. Gadekien. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 100 feet. Highest water level 31.59 below lsd, Nov. 8, 1955; lowest 33.55 below lsd, Aug. 30, 1953. Records available: 1953-55. Nov. 8, 31.59.

14-59-11dd. A. Mortensen. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 84 feet. Highest water level 21.99 below lsd, May 23, 1951; lowest 23.47 below lsd, Oct. 27, 1954. Records available: 1950-52, 1954-55. Nov. 8, 22.77.

15-53-31bb. Robert Gunderson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 85 feet. Highest water level 46.25 below lsd, Jan. 24, 1952; lowest 49.09 below lsd, Oct. 28, 1951. Records available: 1951-55. Nov. 8, 48.43.

15-55-17cc. Kimball Irrigation District. Drilled unused water-table well in gravel, diameter 4 inches, depth 114 feet. Highest water level 92.18 below lsd, Jan. 2, 1936; lowest 96.63 below lsd, Nov. 8, 1955. Records available: 1935-42, 1950-55. Nov. 8, 96.63.

15-55-26cc. Henry Meier. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 120 feet. Highest water level 40.47 below lsd, Jan. 2, 1936; lowest 43.91 below lsd, Nov. 7, 1955. Records available: 1936-37, 1951-55. Nov. 7, 43.91.

15-55-29db. Gale Russell. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 85 feet. Highest water level 46.20 below lsd, Jan. 24, 1952; lowest 48.19 below lsd, Nov. 7, 1955. Records available: 1950, 1952-55. Nov. 7, 48.19.

15-56-32ac. Vernon Linn. Drilled irrigation water-table well in sand and gravel, diameter 18 inches, depth 180 feet. Highest water level 20.44 below lsd, Nov. 20, 1951; lowest 22.31 below lsd, Aug. 8, 1951. Records available: 1951-55. Nov. 7, 21.43.

Lancaster County

A8-6-34dd. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter 8 inches, depth 53 feet. Highest water level 6.31 below lsd, Dec. 23, 1955; lowest 8.90 below lsd, July 31, 1954. Records available: 1954-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.30	8.09	7.14	7.27	7.53	7.29	7.26	7.68	7.55	7.99	7.06	6.85
2	8.31	8.10	7.14	7.26	7.51	7.43	7.27	7.67	7.51	7.98	7.01	6.84
3	8.30	8.10	7.03	7.20	7.52	7.36	7.24	7.65	7.55	7.95	6.96	6.87
4	8.30	8.09	7.09	7.23	7.56	7.32	7.19	7.65	7.55	7.92	7.30	6.90
5	8.27	8.06	7.15	7.24	7.56	7.25	7.19	7.66	7.55	7.87	7.28	6.81
6	8.26	8.05	7.16	7.24	7.54	7.50	7.35	7.66	7.51	7.88	7.27	6.66
7	8.26	8.05	7.16	7.24	7.56	7.49	7.19	7.63	7.48	7.89	7.25	6.67
8	8.24	8.02	7.14	7.21	7.56	7.44	7.08	7.62	7.42	7.89	7.23	6.70
9	8.25	7.96	7.13	7.19	7.53	7.59	7.05	7.58	7.42	7.85	7.16	6.69
10	8.25	8.00	....	7.29	7.55	7.58	7.08	7.59	7.41	7.83	7.05	6.63
11	8.25	8.00	....	7.28	7.56	7.52	7.10	7.59	7.42	7.80	7.07	6.62
12	8.26	7.98	....	7.27	7.54	7.46	7.14	7.57	7.41	7.78	7.08	6.57
13	8.26	7.94	....	7.27	7.52	7.50	7.05	7.57	7.38	7.77	7.06	6.52
14	8.21	7.90	....	7.25	7.52	7.45	7.04	7.57	7.41	7.75	7.06	6.53
15	8.22	7.87	....	7.23	7.52	7.44	7.27	7.56	7.40	7.68	6.95	6.50
16	8.21	7.72	7.27	7.20	7.53	7.42	6.98	7.55	7.35	7.65	6.97	6.45
17	8.21	7.53	7.25	7.21	7.53	7.39	7.21	7.54	7.35	7.61	6.98	6.43
18	8.21	7.21	7.24	7.15	7.54	7.36	7.44	7.54	7.36	7.57	6.97	6.50
19	8.22	6.97	7.24	7.15	7.54	7.36	7.29	7.54	7.29	7.51	6.94	6.51
20	8.22	7.01	7.24	7.63	7.53	7.32	7.09	7.52	7.29	7.49	6.92	6.48
21	8.18	7.02	7.24	7.64	7.54	7.34	7.37	7.52	8.17	7.58	6.90	6.41
22	8.19	7.02	7.35	7.62	7.56	7.34	7.11	7.53	8.14	7.48	6.92	6.36
23	8.19	7.00	7.38	7.56	7.56	7.31	7.83	7.53	8.10	7.33	6.96	6.31
24	8.17	7.04	7.38	7.60	7.38	7.25	7.81	7.60	8.09	7.32	6.95	6.42
25	8.18	7.03	7.38	7.60	7.35	7.12	7.75	7.60	8.08	7.41	6.91	6.43
26	8.18	7.03	7.37	7.58	7.30	7.13	7.72	7.59	8.05	7.38	6.88	6.40
27	8.18	7.03	7.36	7.53	7.29	7.15	7.71	7.58	8.01	7.30	6.89	6.41
28	8.16	7.13	7.30	7.57	7.49	7.15	7.69	7.57	8.01	7.22	6.89	6.46
29	8.13		7.26	7.58	7.46	7.36	7.66	7.56	7.97	7.17	6.89	6.51
30	8.13		7.24	7.57	7.38	7.36	7.66	7.57	7.99	7.13	6.87	6.51
31	8.10		7.25		7.32		7.68	7.57		7.07		6.45

A8-7-18ddb. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel, diameter 8 inches, depth 41 feet. Highest water level 1.63 below lsd, Aug. 25, 1954; lowest 12.40 below lsd, Dec. 19, 1955. Records available: 1954-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.83	9.22	7.92	8.66	8.76	9.57	8.07	.....	11.55	11.96	12.27	12.30
2	9.03	9.34	7.68	8.62	8.72	9.62	8.39	.....	11.56	11.97	12.29	12.23
3	9.06	9.36	7.64	8.50	8.83	9.63	8.61	10.57	11.59	11.98	12.29	12.25
4	9.06	9.30	7.84	8.69	8.95	9.64	8.69	10.63	11.62	11.97	12.27	.....
5	9.15	9.16	8.03	8.85	8.98	9.54	8.78	10.66	11.65	11.95	12.26	.....
6	9.15	9.28	8.03	8.89	8.86	9.44	8.80	10.69	11.68	11.98	12.30	.....
7	9.13	9.29	8.03	8.88	9.01	9.54	8.92	10.71	11.71	11.99	12.31	.....
8	8.96	9.17	7.96	8.82	9.05	9.63	9.12	10.72	11.73	11.99	12.31	.....
9	9.10	9.25	7.91	8.80	9.00	9.63	9.24	10.76	11.76	12.00	.....	.....
10	9.10	9.46	8.00	8.78	9.10	9.67	9.37	10.81	11.81	12.01	12.16	.....

A8-7-18ddb--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	9.06	9.46	8.09	8.69	9.10	9.71	9.48	10.84	11.83	12.02	12.26	.....
12	9.20	.....	8.28	8.65	9.07	9.76	9.56	10.86	11.85	12.04	12.29	.....
13	9.20	.....	8.27	8.46	9.15	9.82	9.62	10.89	11.87	12.06	12.33	.....
14	9.07	.....	8.19	8.57	9.16	9.84	9.64	10.91	11.89	12.07	12.33	12.36
15	9.15	.....	8.38	8.57	9.17	9.86	9.72	10.95	11.91	12.08	12.27	12.38
16	9.11	8.81	8.49	8.70	9.16	9.88	9.78	10.97	11.94	12.10	12.32	12.37
17	9.20	8.71	8.38	8.72	9.20	.....	9.85	11.02	11.97	12.12	12.34	12.35
18	9.23	8.19	8.37	8.60	9.25	.....	9.90	11.06	12.00	12.13	12.34	12.39
19	9.27	7.59	8.35	8.61	9.26	.....	9.97	11.09	12.00	12.14	12.32	12.40
20	9.20	7.75	8.36	8.73	9.26	.....	9.99	11.12	11.95	12.16	12.30	12.39
21	9.04	7.86	8.42	8.77	9.27	.....	10.01	11.15	11.87	12.18	12.29	h12.31
22	9.17	7.85	8.42	8.72	9.27	10.04	10.05	11.19	11.67	12.18	12.29	.....
23	9.18	7.70	8.55	8.56	9.38	10.04	10.10	11.22	11.75	12.21	12.35	.....
24	9.18	7.84	8.57	8.71	9.41	10.01	10.11	11.24	11.82	12.21	12.35	.....
25	9.27	7.75	8.65	8.80	9.42	6.54	10.13	11.27	11.85	.....	12.36	.....
26	9.38	7.68	8.68	8.77	9.35	6.91	10.21	11.30	11.86	.....	12.33	.....
27	9.38	7.78	8.68	8.62	9.43	7.25	10.28	11.33	11.85	12.22	.....	.....
28	9.32	7.87	8.56	8.80	9.46	7.53	10.31	11.36	11.87	12.23	.....	12.29
29	9.26		8.51	8.87	9.54	7.69	10.34	11.40	11.88	12.25	.....	.....
30	9.29		8.53	8.85	9.54	7.98	10.35	.....	11.94	12.25	12.37	.....
31	9.16		8.60		9.51		10.36	11.53		12.25		.....

h Tape measurement.

A8-7-20dda. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter 8 inches, depth 33 feet. Highest water level 2.93 below lsd, Aug. 25, 1954; lowest 10.35 below lsd, Dec. 29-30, 1955. Records available: 1954-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.44	7.44	6.97	6.88	7.23	8.07	8.22	9.04	9.73	9.85	10.03	10.16
2	7.54	7.21	6.97	6.81	7.28	8.10	8.31	9.05	9.75	9.86	10.05	10.18
3	7.50	7.15	6.93	6.76	7.34	8.11	8.37	9.07	9.78	9.86	10.05	10.19
4	7.50	7.16	6.99	6.88	7.41	8.12	8.39	9.09	9.81	9 85	10.03	10.21
5	7.48	7.20	7.02	6.98	7.43	8.09	8.42	9.10	9.84	9.83	10.05	10.21
6	7.48	7.27	6.98	7.02	7.44	8.15	8.44	9.10	9.87	9.87	10.06	10.20
7	7.44	7.27	6.96	7.04	7.51	8.17	8.48	9.12	9.87	9.89	10.07	10.21
8	7.37	7.22	6.89	7.06	7.52	8.21	8.52	9.13	9.89	9.89	10.07	10.23
9	7.42	7.25	6.87	7.09	7.55	8.20	8.56	9.13	9.92	9.91	10.04	10.23
10	7.44	7.36	6.83	7.09	7.58	8.23	8.60	9.15	9.94	9.92	10.01	10.24
11	7.48	7.41	6.88	7.10	7.60	8.22	8.63	9.17	9.96	9.93	10.07	10.25
12	7.55	7.44	6.86	7.12	7.61	8.25	8.66	9.19	9.97	9.96	10.08	10.25
13	7.55	7.43	6.78	7.01	7.66	8.28	8.68	9.21	9.98	9.96	10.09	10.25
14	7.52	7.43	6.69	7.01	7.68	8.30	8.69	9.24	10.01	9.96	10.10	10.26
15	7.57	6.27	6.72	6.99	7.69	8.36	8.72	9.27	10.03	9.96	10.08	10.27
16	7.54	5.79	6.75	7.06	7.72	8.33	8.74	9.29	10.05	9.97	10.10	10.25
17	7.55	5.91	6.75	7.08	7.75	8.32	8.75	9.32	10.07	9.98	10.11	10.27
18	7.56	5.94	6.75	7.07	7.76	8.35	8.77	9.35	10.07	9.98	10.11	10.28
19	7.57	6.33	6.76	7.11	7.78	8.37	8.79	9.37	10.06	9.98	10.11	10.29
20	7.50	6.62	6.76	7.15	7.80	8.40	8.82	9.40	10.02	9.99	10.11	10.29
21	7.43	6.68	6.81	7.17	7.82	8.42	8.85	9.42	9.82	10.00	10.11	10.29
22	7.46	6.65	6.81	7.15	7.84	8.44	8.87	9.44	9.74	10.00	10.11	10.27
23	7.46	6.77	6.90	7.12	7.87	8.44	8.85	9.47	9.77	10.01	10.14	10.28
24	7.47	6.81	6.91	7.18	7.90	8.43	8.86	9.50	9.77	10.01	10.14	10.31
25	7.50	6.73	6.93	7.19	7.91	7.98	8.87	9.53	9.76	9.99	10.15	10.32
26	7.55	6.85	6.97	7.15	7.88	7.99	8.90	9.57	9.74	9.99	10.14	10.32
27	7.55	6.87	6.96	7.21	7.96	7.99	8.93	9.61	9.75	10.00	10.16	10.32
28	7.61	6.92	6.90	7.26	7.99	7.99	8.95	9.64	9.76	10.01	10.16	10.33
29	7.61		6.88	7.28	8.01	8.13	8.97	9.66	9.79	10.02	10.17	10.35
30	7.61		6.88	7.27	8.02	8.21	9.00	9.69	9.83	10.02	10.19	10.35
31	7.52		6.87		8.03		9.02	9.71		10.02		10.34

A8-7-21bb. U. S. Geol. Survey. Drilled observation water-table well in silt, sand, and gravel, diameter 8 inches, depth 16 feet. Highest water level 8.06 below lsd, June 17, 1954; lowest 12.59 below lsd, Nov. 16-18, 23, 1955. Records available: 1954-55.

A8-7-21bb--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.42	9.26	9.05	9.00	9.08	10.32	10.13	11.63	12.45	11.99	12.54	12.54
2	9.37	9.31	9.02	8.97	9.13	10.36	10.20	11.66	12.47	12.03	12.55	.....
3	9.33	9.31	9.00	8.97	9.20	10.39	10.28	11.70	12.49	12.06	12.55	.....
4	9.30	9.26	9.06	9.03	9.26	10.42	10.35	11.73	12.51	12.08	12.54	12.57
5	9.29	9.23	9.11	9.07	9.28	10.40	10.41	11.76	12.53	12.12	12.56	12.57
6	9.25	9.27	9.08	9.09	9.31	9.97	10.46	11.78	12.54	12.14	12.57	12.55
7	9.23	9.27	9.06	9.08	9.41	10.06	10.53	11.81	12.57	12.11	12.57	12.55
8	9.26	9.22	9.00	9.04	9.44	10.15	10.59	11.83	12.58	12.11	12.57	12.57
9	9.25	9.26	8.97	9.05	9.48	10.21	10.64	11.86	12.60	12.15	12.55	12.57
10	9.24	9.33	8.95	9.03	9.52	10.27	10.70	11.91	12.61	12.18	12.53	12.56
11	9.24	9.35	8.96	9.00	9.54	10.32	10.74	11.93	12.64	12.21	12.57	12.56
12	9.30	9.37	9.00	9.01	9.58	10.36	10.49	11.95	12.65	12.25	12.57	12.55
13	9.30	9.38	8.97	8.91	9.64	10.41	10.86	11.98	12.67	12.27	12.58	12.54
14	9.31	9.40	8.95	8.95	9.69	10.44	10.89	12.00	12.69	12.28	12.58	12.55
15	9.33	9.29	8.99	8.95	9.73	10.48	10.92	12.03	12.70	12.31	12.57	12.56
16	9.32	8.92	9.02	9.01	9.78	10.49	.....	12.05	12.72	12.34	12.59	12.54
17	9.33	8.79	8.91	9.01	9.84	10.24	.....	12.07	12.74	12.35	12.59	12.53
18	9.35	8.65	8.97	9.00	9.89	.....	.....	12.10	12.75	12.37	12.59	12.55
19	9.35	8.68	8.95	9.00	9.93	.....	.....	12.12	12.75	12.39	12.58	12.56
20	9.30	8.83	8.96	9.05	9.98	.....	11.15	12.15	12.66	12.42	12.57	12.55
21	9.27	8.87	8.99	9.07	10.03	10.45	11.19	12.17	12.65	12.43	12.57	12.53
22	9.29	8.84	8.99	9.06	10.07	10.49	11.22	12.20	11.82	12.43	12.57	12.50
23	9.29	8.92	9.02	9.02	10.13	10.52	11.25	12.22	11.72	12.46	12.59	12.49
24	9.29	8.95	9.02	8.98	10.17	10.52	11.30	12.28	11.70	12.47	12.58	12.52
25	9.31	8.92	9.05	8.99	10.20	9.83	11.33	12.30	11.72	12.46	12.57	12.53
26	9.33	8.98	9.08	8.98	10.20	9.85	11.37	12.34	11.73	12.47	12.56	12.53
27	9.32	9.01	9.07	9.01	10.23	9.89	11.43	12.36	11.79	12.49	12.57	12.52
28	9.30	9.04	9.02	9.04	10.24	9.93	11.47	12.38	11.83	12.50	12.56	12.51
29	9.29		8.99	9.06	10.25	10.00	11.51	.....	11.89	12.51	12.57	12.53
30	9.29		8.98	9.08	10.26	10.10	11.55	.....	11.95	12.51	12.56	12.53
31	9.23		8.99		10.29		11.59	12.43		12.52		12.51

A8-7-30cd. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter 8 inches, depth 22 feet. Highest water level 11.96 below lsd, Sept. 2-3, 1954; lowest 15.97 below lsd, Dec. 29-30, 1955. Records available: 1954-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.90	14.18	13.95	14.10	14.13	14.32	14.21	14.57	15.00	15.42	15.63	.....
2	.....	14.22	13.95	14.05	14.11	14.33	14.22	14.57	15.00	15.42	15.66	.....
3	.....	14.22	13.93	14.04	14.15	14.33	14.23	14.59	15.02	15.42	15.66	.....
4	.....	14.17	13.99	14.10	14.20	14.33	14.23	14.61	15.04	15.41	15.64	15.79
5	.....	14.16	14.04	14.15	14.20	14.30	14.21	14.63	15.05	15.44	15.66	15.79
6	14.01	14.22	14.00	14.17	14.15	14.34	14.21	14.65	15.07	15.45	15.68	15.79
7	14.00	14.22	13.98	14.17	14.20	14.34	14.16	14.66	15.10	15.47	15.69	15.85
8	14.00	14.15	13.92	14.13	14.20	14.35	14.21	14.66	15.10	15.47	15.69	15.86
9	14.05	14.23	13.90	14.14	14.20	14.34	14.25	14.68	15.13	15.47	15.65	15.86
10	14.04	14.27	13.96	14.13	14.22	14.33	14.26	14.71	15.16	15.48	15.64	15.87
11	14.01	14.26	13.98	14.08	14.20	14.35	14.29	14.72	15.17	15.48	15.70	15.88
12	14.08	14.27	14.02	14.12	14.18	14.36	14.31	14.72	15.17	15.50	15.71	15.87
13	14.07	14.17	14.00	14.12	14.22	14.37	14.31	14.73	15.18	15.50	15.73	15.88
14	14.06	14.18	13.98	14.15	14.22	14.37	14.31	14.75	15.20	15.50	15.72	15.90
15	14.08	14.16	14.05	14.13	14.22	14.37	14.33	14.76	15.21	15.51	15.73	15.90
16	14.08	14.21	14.07	14.16	14.21	14.38	14.35	14.77	15.23	15.52	15.75	15.88
17	14.10	14.18	14.03	14.16	14.22	14.37	14.35	14.79	15.25	15.52	15.76	15.88
18	14.12	14.07	14.03	14.10	14.23	14.38	14.37	14.80	15.27	15.53	15.76	15.91
19	14.12	14.00	14.01	14.12	14.23	14.39	14.40	14.81	15.28	15.54	15.77	15.92
20	14.05	13.97	14.01	14.15	14.22	14.40	14.40	14.82	15.29	15.56	15.77	15.90
21	14.06	13.98	14.03	14.15	14.22	14.41	14.41	14.85	15.32	15.56	15.76	15.90
22	14.12	13.95	14.02	14.10	14.21	14.41	14.42	14.86	15.33	15.56	15.77	15.87
23	14.12	14.00	14.09	14.06	14.25	14.41	14.44	14.87	15.35	15.58	15.78	15.87
24	14.12	14.01	14.09	14.18	14.25	14.39	14.45	14.89	15.36	15.58	15.78	15.94
25	14.14	13.91	14.11	14.19	14.26	14.37	14.45	14.90	15.37	15.55	15.78	15.95
26	14.18	13.93	14.11	14.15	14.21	14.34	14.48	14.91	15.37	15.57	15.76	15.95
27	14.17	13.93	14.10	14.17	14.27	14.30	14.50	14.92	15.38	15.60	15.79	15.95
28	14.17	13.92	14.04	14.21	14.30	14.26	14.51	14.93	15.38	15.61	15.80	15.96
29	14.16		14.04	14.23	14.31	14.22	14.51	14.96	15.39	15.61	15.81	15.97
30	14.17		14.04	14.20	14.30	14.22	14.54	14.97	15.41	15.61	15.82	15.97
31	14.11		14.08		14.28		14.56	14.99		15.62		15.95

A8-7-33ab. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter $1\frac{1}{4}$ inches, depth 33 feet. Highest water level 1.77 below lsd, Apr. 16, 1952; lowest 10.03 below lsd, Dec. 7, 1955. Records available: 1951-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	6.81	Mar. 2	6.28	Apr. 27	6.71	June 29	6.36
12	6.85	9	6.28	May 4	6.94	Aug. 3	7.03
19	6.95	16	6.55	11	7.01	Sept. 7	9.16
26	7.03	23	6.53	18	7.13	Oct. 12	9.41
Feb. 2	7.02	27	6.58	25	7.24	19	9.50
9	6.92	Apr. 6	6.78	June 1	7.32	26	9.58
16	6.62	13	6.52	8	7.35	Nov. 2	9.66
23	6.22	20	6.73	22	7.56	Dec. 7	10.03

A10-6-1cc. Mary L. Keech. Formerly J. F. Keech Estate. Drilled unused water-table well in glacial fill, diameter 8 inches, depth 70 feet. Highest water level 6.38 below lsd, July 3, 1951; lowest 23.92 below lsd, Oct. 11, 1953. Records available: 1949-55. Apr. 17, 20.50; Aug. 28, 23.42; Oct. 24, 23.73; Dec. 27, 23.32.

A10-6-34ca. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 8 inches, depth 36 feet. Highest water level 10.00 below lsd, July 15, 1952; lowest 18.25 below lsd, Dec. 29-31, 1955. Records available: 1951-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.33	17.47	17.23	17.40	17.43	17.64	.....	.....	18.00	18.01	18.12	18.20
2	17.34	17.47	17.23	17.40	17.45	17.64	.....	.....	18.00	18.02	18.13	18.20
3	17.36	17.47	17.21	17.40	17.47	17.65	.....	.....	18.00	18.02	18.13	18.20
4	17.37	17.47	17.22	17.42	17.49	17.65	.....	.....	18.01	18.02	18.13	18.20
5	17.38	17.46	17.24	17.45	17.50	17.64	.....	.....	18.01	18.02	18.14	18.20
6	17.38	17.47	17.23	17.45	17.50	17.64	17.46	.....	18.02	18.03	18.14	18.20
7	.....	17.48	17.23	17.46	17.51	17.65	17.48	.....	18.03	18.04	18.14	18.22
8	.....	17.47	17.21	17.46	17.51	17.66	17.52	.....	18.03	18.05	18.15	18.23
9	.....	17.48	17.21	17.47	17.52	17.66	17.55	.....	.....	.....	18.15	18.23
10	.....	17.49	17.22	17.47	17.52	17.66	17.58	17.88	18.04	.....	18.15	18.23
11	.....	17.49	17.23	17.46	17.53	17.67	17.61	17.89	18.04	.....	18.16	18.23
12	17.41	17.49	17.25	17.46	17.53	17.67	17.63	17.89	18.04	18.05	18.16	18.23
13	17.41	17.48	17.25	17.45	17.54	17.68	17.65	17.90	18.04	18.05	18.16	18.23
14	17.41	17.48	17.25	17.47	17.54	17.68	17.66	17.90	18.05	18.06	18.16	18.24
15	17.41	17.47	17.28	17.47	17.54	17.68	17.68	17.90	.....	18.06	18.17	.....
16	17.42	17.45	17.30	17.49	17.55	17.68	17.69	17.91	.....	18.06	18.18	.....
17	17.43	17.42	17.29	17.49	17.55	17.68	17.70	17.92	.....	18.07	18.18	.....
18	17.43	17.36	17.29	17.49	17.57	17.68	17.71	17.92	.....	18.07	18.18	.....
19	17.44	17.31	17.30	17.50	17.57	17.69	17.72	17.92	.....	18.08	18.18	.....
20	17.43	17.28	17.30	17.51	17.58	17.69	17.72	17.93	.....	18.09	18.18	.....
21	17.43	17.28	17.31	17.51	17.58	.....	.....	17.93	17.97	18.09	18.18	.....
22	17.44	17.28	17.31	17.51	17.59	17.68	.....	17.94	17.96	18.09	18.18	.....
23	17.44	17.28	17.35	17.50	17.59	17.68	.....	17.95	17.97	18.09	18.18	.....
24	17.45	17.27	17.36	17.43	17.60	17.68	.....	17.95	17.98	18.10	18.18	18.24
25	17.46	17.26	17.38	17.30	17.61	17.46	.....	17.95	17.98	18.10	18.18	18.24
26	17.47	17.23	17.39	17.26	17.60	17.34	.....	17.95	17.98	18.10	18.18	18.24
27	17.47	17.23	17.40	17.32	17.61	17.29	.....	17.96	17.98	18.11	18.11	18.24
28	17.47	17.23	17.38	17.39	17.62	17.28	.....	17.96	17.99	18.11	18.19	18.24
29	17.47		17.37	17.42	17.62	17.26	.....	17.97	18.00	18.11	18.19	18.25
30	17.47		17.37	17.43	17.62	17.28	.....	17.98	18.01	18.11	18.20	18.25
31	17.46		17.39		17.63		.....	17.99		18.12		18.25

A10-6-36cdd. City of Lincoln. Drilled unused water-table well in Dakota sandstone, diameter 16 inches, depth 170 feet. Highest water level 67.97 below lsd, June 18, 1953; lowest 71.11 below lsd, Dec. 19, 1955. Records available: 1951-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	70.09	70.07	70.05	70.10	70.07	70.29	70.28	70.59	70.70	70.95	70.87	70.67
2	70.12	70.26	70.05	70.00	70.04	70.33	70.37	70.47	70.56	70.91	71.10	70.69
3	70.11	70.28	69.95	69.94	70.18	70.34	70.42	70.45	70.57	70.83	71.01	70.64
4	70.11	70.14	70.09	70.07	70.24	70.28	70.40	70.54	70.70	70.74	70.85	.....
5	70.19	70.01	70.29	70.22	70.26	70.19	70.35	70.56	70.72	70.70	70.85	.....
6	70.18	70.15	70.16	70.24	70.11	70.32	70.31	70.62	70.66	70.87	70.97	.....
7	70.12	70.15	70.15	70.24	70.26	70.36	70.21	70.62	70.66	70.94	70.99	70.89
8	70.00	69.95	69.94	70.14	70.26	70.42	70.37	70.51	70.54	70.94	70.99	71.02
9	70.13	70.17	69.90	70.13	70.24	.....	70.42	70.54	70.66	70.79	70.71	71.00
10	70.11	70.37	69.97	70.09	70.29	.....	70.43	70.59	70.83	70.78	70.53	71.00

A10-6-36cdd--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	70.03	70.33	70.03	69.94	70.23	.....	70.45	70.58	70.83	70.78	70.71	70.99
12	70.22	70.34	70.18	70.00	70.16	.....	70.45	70.50	70.69	70.92	70.86	70.88
13	70.22	70.07	70.09	69.99	70.22	.....	70.44	70.50	.....	70.80	71.02	70.88
14	70.08	70.04	70.04	70.09	70.24	.....	70.46	70.50	70.63	70.77	71.01	70.98
15	70.12	69.99	70.19	70.04	70.21	70.43	70.37	70.52	70.59	70.65	70.80	71.04
16	70.06	70.13	70.30	70.15	70.16	70.46	70.39	70.46	70.70	70.85	70.98	70.74
17	70.15	70.06	70.11	70.13	70.20	70.42	70.42	70.45	70.77	70.80	71.07	70.79
18	70.24	69.95	70.06	69.97	70.20	70.42	70.46	70.50	70.82	70.83	70.96	71.09
19	70.26	69.97	70.55	70.09	70.20	70.43	70.47	70.48	70.78	70.77	70.94	71.11
20	70.08	70.09	70.06	70.09	70.15	70.47	70.45	70.45	70.74	70.93	70.81	70.87
21	69.98	70.15	70.08	70.09	70.15	70.59	70.40	70.54	70.83	70.99	70.77	70.79
22	70.09	70.10	70.05	69.99	70.08	70.52	70.40	70.57	70.94	70.84	70.89	70.53
23	70.10	70.28	70.19	69.84	70.21	70.45	70.46	70.53	70.96	70.96	71.08	70.53
24	70.07	70.33	70.22	70.18	70.22	70.44	70.47	70.48	70.99	70.97	70.97	70.99
25	70.19	70.06	70.30	70.20	70.25	70.46	70.37	70.50	70.99	70.73	71.01	70.98
26	70.31	70.05	70.28	70.10	70.11	70.47	70.46	70.48	70.91	70.68	70.78	70.93
27	70.26	70.04	70.26	70.16	70.26	70.50	70.48	70.48	70.85	70.71	71.06	70.83
28	70.24	69.99	70.10	70.29	70.36	70.42	70.47	70.48	70.86	70.77	70.97	71.00
29	70.14		70.02	70.33	70.41	70.33	70.44	70.59	70.83	70.80	71.06	71.08
30	70.15		70.02	70.26	70.35	70.35	70.46	70.69	70.95	70.78	70.96	71.03
31	69.95		70.07		70.23		70.54	70.70		70.79		70.74

A11-6-20dc. U. S. Geol. Survey. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 34 feet. Highest water level 12.40 below lsd, Apr. 24, 1952; lowest 17.15 below lsd, Nov. 3-10, 12-15, 17-Dec. 2, 10-12, 1955. Records available: 1951-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	16.12	16.59	16.44	16.93	16.19	16.84	17.02	17.03	17.14	17.15
2	.....	16.79	16.13	16.60	16.47	16.93	16.24	16.85	17.03	.....	17.14	17.15
3	.....	16.79	16.13	16.60	16.50	16.94	16.29	16.86	17.03	.....	17.15	17.14
4	.....	16.79	16.12	16.62	16.54	16.95	16.33	16.87	17.03	.....	17.15	17.14
5	.....	.....	16.14	16.63	16.57	16.95	16.35	16.88	17.04	.....	17.15	17.14
6	.....	.....	16.15	16.65	16.59	16.71	16.38	16.89	17.04	.....	17.15	17.14
7	16.91	.....	16.18	16.66	16.62	16.60	16.40	16.90	17.04	.....	17.15	17.13
8	16.90	.....	16.20	16.67	16.64	16.55	16.43	16.91	17.05	.....	17.15	17.13
9	16.90	.....	16.23	16.68	16.65	16.55	16.46	16.92	17.05	.....	17.15	17.13
10	16.91	.....	16.25	16.69	16.67	16.60	16.49	16.93	17.05	.....	17.15	17.15
11	16.91	.....	16.28	16.70	16.69	16.63	16.50	16.94	17.06	.....	17.14	17.15
12	16.90	.....	16.31	16.71	16.70	16.65	16.53	16.95	17.06	17.08	17.15	17.15
13	16.91	.....	16.33	16.72	16.72	16.68	16.56	16.95	17.06	17.08	17.15	17.14
14	16.89	.....	16.35	16.73	16.74	16.72	16.58	16.96	17.07	17.09	17.15	17.13
15	16.90	.....	16.38	16.74	16.75	16.75	16.60	16.96	17.07	17.09	17.15	17.14
16	16.90	.....	16.40	16.75	16.77	16.78	16.62	16.97	17.07	17.10	17.14	17.14
17	16.90	.....	16.42	16.75	16.78	16.78	16.64	16.97	17.08	17.10	17.15	17.13
18	16.89	.....	16.44	16.76	16.80	16.75	16.65	16.98	17.08	17.10	17.15	.....
19	16.88	.....	16.45	16.77	16.81	16.74	16.67	16.98	17.08	17.10	17.15	.....
20	16.87	.....	16.47	16.78	16.82	16.73	16.68	16.98	17.08	17.11	17.15	.....
21	16.85	.....	16.48	16.79	16.84	16.73	16.69	16.99	17.08	17.11	17.15	17.09
22	16.84	.....	16.49	16.80	16.85	16.70	16.70	16.99	16.99	17.12	17.15	17.09
23	16.84	.....	16.50	16.80	16.86	16.74	16.72	16.99	16.88	17.12	17.15	17.06
24	16.82	16.15	16.52	16.70	16.87	16.75	16.73	17.00	16.87	17.12	17.15	17.04
25	16.82	16.14	16.54	16.50	16.88	16.35	16.74	17.00	16.90	17.12	17.15	17.04
26	16.82	16.13	16.54	16.41	16.88	16.21	16.75	17.00	16.93	17.13	17.15	17.05
27	.....	16.12	16.55	16.38	16.90	16.13	16.76	17.00	16.95	17.13	17.15	17.05
28	.....	16.11	16.56	16.38	16.90	16.10	16.78	17.00	16.97	17.13	17.15	17.05
29	.....		16.57	16.39	16.91	16.12	16.79	17.01	16.99	17.13	17.15	17.07
30	.....		16.57	16.42	16.92	16.15	16.80	17.01	17.01	17.13	17.15	17.07
31	.....		16.58		16.92		16.82	17.02		17.14		17.07

Lincoln County

10-32-17cc. J. M. Fristo. Drilled unused water-table well in Ogallala formation, diameter 4 inches, depth 210 feet. Highest water level 137.17 below lsd, July 8, 1955; lowest 148.57 below lsd, Jan. 22, 1941. Records available: 1934-42, 1944, 1953-55. July 8, 137.17.

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12-26-35db. R. D. McWha. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 42 feet. Land-surface datum is 2,609.43 feet above msl. Highest water level 7.32 below lsd, July 13, 1947; lowest 11.86 below lsd, July 7, 1955. Records available: 1946-55. July 7, 11.86.

12-27-14aa. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel, diameter 1 inch, depth 18 feet. Land-surface datum is 2,646.40 feet above msl. Highest water level 2.98 below lsd, July 2, 1935; lowest 7.07 below lsd, Aug. 30, 1941. Records available: 1934-55. Mar. 14, *5.66; June 25, *6.26; July 7, 6.44; Oct. 5, *6.52; Dec. 27, *5.85. *By Central Nebraska Public Power and Irrigation District.

12-27-28dd. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter $1\frac{1}{4}$ inches, depth 28 feet. Land-surface datum is 2,663.15 feet above msl. Highest water level 11.79 below lsd, July 7, 1949; lowest 13.53 below lsd, July 7, 1955. Records available: 1947-55. July 7, 13.53.

12-28-9bc. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in alluvium, sand, and gravel, diameter 2 inches, depth 14 feet. Land-surface datum is 2,702.68 feet above msl. Highest water level 3.58 below lsd, Mar. 3, 1949; lowest 10.48 below lsd, Nov. 1, 1939. Records available: 1938-55. By Central Nebraska Public Power and Irrigation District. Mar. 14, 4.95; June 25, 5.47; July 7, 5.68; Oct. 5, 5.72; Dec. 27, 4.97.

13-28-21da. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in alluvial sand and gravel, diameter 2 inches, depth 11 feet. Land-surface datum is 2,711.36 feet above msl. Highest water level 0.14 above lsd, Apr. 5, 1949; lowest 6.48 below lsd, Aug. 29, 1940. Records available: 1938-55. Mar. 14, *3.49; June 25, *4.47; July 7, 4.39; Oct. 5, *5.20; Dec. 27, *4.56. *By Central Nebraska Public Power and Irrigation District.

13-30-21bb. U. S. Geol. Survey. Driven observation water-table well in sand and gravel, diameter $1\frac{1}{4}$ inches, depth 22 feet. Land-surface datum is 2,819.03 feet above msl. Highest water level 9.57 below lsd, May 3, 1949; lowest 19.92 below lsd, Sept. 17, 1936. Records available: 1934-55. By Central Nebraska Public Power and Irrigation District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 14	11.50	June 25	11.00	Sept. 2	11.40	Oct. 27	11.66
Mar. 14	11.40	July 7	10.72	Oct. 5	11.59	Dec. 27	11.60
Apr. 26	11.30						

14-30-9ca. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 26 feet. Land-surface datum is 2,832.35 feet above msl. Highest water level 2.24 below lsd, Mar. 11, 1952; lowest 6.05 below lsd, Sept. 12, 1946. Records available: 1946-55. By Platte Valley Public Power and Irrigation District. Feb. 2, 3.45; Apr. 26, 3.00; July 7, 2.45; July 7, 2.40; Sept. 2, 5.00; Oct. 26, 4.40; Dec. 27, 3.90.

14-30-33cd. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 2,801.66 feet above msl. Highest water level 5.90 below lsd, June 23, 1947; lowest 10.40 below lsd, Oct. 26, 1955. Records available: 1946-55. By Platte Valley Public Power and Irrigation District. Feb. 2, 9.50; July 7, 9.40; July 7, 9.86; Sept. 2, 10.35; Oct. 26, 10.40; Dec. 27, 10.10.

14-33-17da. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 15 feet. Highest water level 0.45 below lsd, Aug. 3, 1945; lowest 4.85 below lsd, Apr. 27, 1954. Records available: 1936-46, 1951, 1954. No measurement made in 1955.

14-33-27da. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 15 inches, depth 102 feet. Highest water level 1.58 below lsd, June 27, 1949; lowest 6.70 below lsd, Feb. 20-22, 1952. Records available: 1943-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	5.95	....	5.95	....	....	5.60	5.82	5.76	5.73	....	5.97
2	....	5.96	....	5.95	....	5.60	....	5.81	5.76	5.73	....	5.98
3	....	....	....	5.96	....	5.61	....	5.82	5.77	5.72	....	5.99
4	....	....	5.90	5.97	....	5.62	....	5.81	5.77	5.71	....	5.99
5	....	....	5.89	5.99	....	5.62	....	5.79	5.77	....	....	6.00
6	....	....	5.86	5.99	6.12	5.61	....	5.72	....	....	....	6.00
7	....	....	5.85	6.00	6.12	5.61	....	5.67	....	....	....	6.00
8	....	....	5.83	....	6.13	5.62	5.73	5.65	....	....	....	6.01
9	....	5.98	5.82	....	6.12	5.62	5.74	....	....	....	....	6.02
10	....	5.99	5.80	....	6.13	....	5.76	....	....	....	5.82	6.03

14-33-27da--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	....	5.99	5.78	6.03	6.13	....	5.79	....	....	....	5.82	6.03
12	....	5.99	....	6.04	6.13	....	5.81	....	....	....	5.83	6.04
13	5.84	6.00	....	6.04	6.13	....	5.83	....	5.82	....	5.84	6.04
14	5.85	6.00	....	6.04	....	....	5.83	....	5.82	....	5.84	6.03
15	5.85	6.00	....	6.04	....	....	5.84	....	5.83	....	5.85	6.04
16	5.86	5.99	5.81	6.04	....	5.63	....	....	5.83	....	5.85	6.04
17	5.87	5.96	5.82	6.04	6.10	5.63	....	....	5.84	....	5.86	6.05
18	5.88	5.95	5.83	6.06	6.09	5.63	....	....	5.85	....	....	6.06
19	5.88	5.95	5.85	6.06	6.05	5.63	....	....	5.86	....	....	6.06
20	5.89	5.99	5.87	6.07	6.01	5.64	....	....	5.86	....	....	6.07
21	....	5.94	5.88	6.07	5.97	5.64	....	....	....	5.72	5.88	6.07
22	....	5.86	5.89	6.07	5.94	5.66	....	5.66	....	5.72	5.88	6.07
23	....	....	5.90	6.08	5.91	5.67	....	5.67	....	5.73	5.89	6.08
24	....	....	5.90	6.08	5.90	5.68	....	5.68	....	5.73	5.90	6.08
25	....	....	5.92	6.07	....	5.69	....	5.70	....	5.73	5.90	6.08
26	5.93	....	5.93	....	....	5.69	....	5.71	....	5.73	5.91	6.08
27	5.94	....	5.93	....	....	5.69	....	5.72	5.78	5.73	5.92	6.08
28	5.94	....	5.93	....	....	5.66	....	5.73	5.77	5.74	5.95	6.08
29	5.94		5.94	....	....	5.62	....	5.74	5.75	....	5.96	6.08
30	5.95		5.95	....	....	5.60	....	5.75	5.74	....	5.97	....
31	5.95		5.95		....		....	5.75		....		....

15-31-13dd. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 2 inches, depth 60 feet. Highest water level 6.48 below lsd, July 7, 1955; lowest 9.55 below lsd, Oct. 27, 1941. Records available: 1934-42, 1951-55. July 7, 6.48.

16-31-4ab. U. S. Geol. Survey. Drilled observation water-table well in fine sand of Pleistocene age, diameter 2 inches, depth 120 feet. Highest water level 65.48 below lsd, Oct. 2, 1951; lowest 71.11 below lsd, May 21, 1952. Records available: 1935-42, 1951-55. July 7, 68.56.

Loup County

21-17-32dc. Louie Bohy. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches. Highest water level 22.89 below lsd, Feb. 9, 1955; lowest 24.67 below lsd, Apr. 15, 1952. Records available: 1950-55. Feb. 9, 22.89.

21-18-22aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 15 feet. Highest water level 3.54 below lsd, Feb. 15, 1952; lowest 5.31 below lsd, July 16, 1940. Records available: 1935-42, 1948, 1950-55. Feb. 9, 3.81.

21-19-4bc. Bill Strong. Driven unused water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 22 feet. Highest water level 8.73 below lsd, Feb. 9, 1955; lowest 11.93 below lsd, July 14, 1953. Records available: 1951-55. Feb. 9, 8.73.

Madison County

22-1-33cb. Alvin Christian. Drilled unused artesian well in sand of Pleistocene age, diameter 8 inches, depth 60 feet. Highest water level 0.00, Nov. 18, 1955; lowest 3.25 below lsd, Aug. 18, 1936. Records available: 1935-51, 1953, 1955. Nov. 18, 0.00.

23-2-5aa. John Bredehoft. Drilled unused water-table well in alluvial sand, diameter $1\frac{1}{2}$ inches, depth 31 feet. Highest water level 2.93 below lsd, June 4, 1935; lowest 5.24 below lsd, Sept. 12, 1955. Records available: 1934-37, 1940-42, 1944-55. Sept. 12, 5.24; Dec. 20, 3.99.

McPherson County

18-31-16dd. U. S. Geol. Survey. Drilled observation water-table well in fine sand of Pleistocene age, diameter 2 inches, depth 120 feet. Highest water level 105.74 below lsd, Oct. 17, 1937; lowest 109.92 below lsd, Jan. 10, 1951. Records available: 1935-42, 1951-55. July 7, 107.82.

Merrick County

12-7-7aa. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 12 feet. Land-surface datum is 1,762.16 feet above msl. Highest water level 4.34 below lsd, July 10, 1947; lowest 9.36 below lsd, Nov. 22, 1955. Records available: 1945-55. June 15, 8.41; Oct. 4, 9.15; Nov. 22, 9.36.

12-8-7dc. Owner unknown. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 22 inches, depth 47 feet. Highest water level 8.51 below lsd, May 27, 1952; lowest 19.75 below lsd, Oct. 5, 1955. Records available: 1946-55. June 15, 14.04, measurement by Midstate Irrigation District; Oct. 5, 19.75, measurement by Midstate Irrigation District; Nov. 28, 19.15.

12-8-28dc. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 0.91 above lsd, July 24, 1951; lowest 4.59 below lsd, Oct. 6, 1955. Records available: 1945-55. June 17, *2.52; Oct. 6, *4.59; Nov. 22, 4.38. *By Midstate Irrigation District.

13-6-2bc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Land-surface datum is 1,687.85 feet above msl. Highest water level 2.86 below lsd, May 27, 1952; lowest 8.10 below lsd, Oct. 4, 1955. Records available: 1945-55. June 14, *7.12; Oct. 4, *8.10; Nov. 22, 8.09. *By Midstate Irrigation District.

13-6-19cb. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 1.75 below lsd, May 27, 1952; lowest 7.56 below lsd, Nov. 22, 1955. Records available: 1945-55. June 14, *6.33; Oct. 4, *7.40; Nov. 22, 7.56. *By Midstate Irrigation District.

14-5-9cc2. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 30 feet. Land-surface datum is 1,649.70 feet above msl. Highest water level 4.14 below lsd, May 27, 1952; lowest 8.96 below lsd, Nov. 22, 1955. Records available: 1947-55. June 14, *7.90; Oct. 7, *8.88; Nov. 22, 8.96. *By Midstate Irrigation District.

14-6-15bb. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 13 feet. Land-surface datum is 1,679.85 feet above msl. Highest water level 1.82 below lsd, Mar. 8, 1949; lowest 7.03 below lsd, Nov. 22, 1955. Records available: 1946-55. May 26, 5.64; Nov. 22, 7.03.

14-7-21cb. Henry Tsudy. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 8 inches, depth 32 feet. Land-surface datum is 1,737.77 feet above msl. Highest water level 4.16 below lsd, Apr. 13, 1949; lowest 9.74 below lsd, Aug. 6, 1934. Records available: 1934-42, 1945-55. June 15, 8.11, measurement by Midstate Irrigation District; Nov. 28, 9.38.

15-4-15dd. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 15 feet. Land-surface datum is 1,585.98 feet above msl. Highest water level 5.50 below lsd, July 8, 1947; lowest 10.01 below lsd, Nov. 22, 1955. Records available: 1945-55. Oct. 7, 9.63, by Midstate Irrigation District; Nov. 22, 10.01.

15-4-31cc. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 12 feet. Land-surface datum is 1,615.79 feet above msl. Highest water level 2.07 below lsd, May 27, 1952; lowest 6.41 below lsd, Nov. 22, 1955. Records available: 1945-55. Nov. 22, 6.41.

15-5-8dd. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 19 feet. Land-surface datum is 1,650.32 feet above msl. Highest water level 11.15 below lsd, July 8, 1947; lowest 17.65 below lsd, Oct. 7, 1955. Records available: 1946-55. June 13, *16.16; Oct. 7, *17.65; Nov. 22, 17.18. *By Midstate Irrigation District.

15-8-33bc. Dinsdale Bros. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 56 feet. Highest water level 10.38 below lsd, Feb. 6, 1950; lowest 16.54 below lsd, Aug. 8, 1949. Records available: 1948-55. May 25, 12.27; June 15, 12.29, measurement by Midstate Irrigation District; Nov. 28, 14.75.

16-3-7dd. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 11 feet. Highest water level 0.79 below lsd, Apr. 15, 1949; lowest 8.99 below lsd, Nov. 10, 1953. Records available: 1947-55. Nov. 22, 6.62.

16-3-27cc. Paul Pearson. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 22 inches, depth 28 feet. Land-surface datum is 1,543.99 feet above msl. Highest water level 4.05 below lsd, Mar. 7, 1949; lowest 9.84 below lsd, Nov. 1, 1934. Records available: 1934-42, 1944-55. Nov. 22, 8.78.

Morrill County

18-52-11dd. J. Barden. Drilled irrigation water-table well in coarse gravel of Pleistocene age, diameter 18 inches. Highest water level 22.43 below lsd, Apr. 1, 1953; lowest 24.72 below lsd, May 18, 1951. Records available: 1949-53, 1955. Nov. 9, 23.06.

19-49-23cc. W. E. Guthrie Estate. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 24 inches, depth 60 feet. Highest water level 9.33 below lsd, Aug. 20, 1950; lowest 11.95 below lsd, May 9, 1950. Records available: 1936-42, 1944, 1948-55. Nov. 9, 11.33.

19-50-30cd. P. Reuter. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 24 inches, depth 81 feet. Highest water level 23.06 below lsd, Jan. 27, 1950; lowest 24.18 below lsd, July 12, 1949. Records available: 1949-53, 1955. Nov. 9, 23.73.

20-49-30ac. Arnold Stewart. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 56 feet. Highest water level 15.22 below lsd, Nov. 21, 1949; lowest 21.22 below lsd, June 11, 1946. Records available: 1946-55. Nov. 9, 20.28.

20-50-28bb. Fred Smith. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 35 feet. Highest water level 11.87 below lsd, Sept. 7, 1951; lowest 17.33 below lsd, Oct. 26, 1954. Records available: 1934-42, 1944-55. Nov. 9, 13.97.

20-50-32aa. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 7 feet. Land-surface datum is 3,666.02 feet above msl. Highest water level 2.00 below lsd, May 14, 1942; lowest dry, July 16, 1954, July 29, 1955. Records available: 1930-55. Measurement made by State Dept. of Roads and Irrigation.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	4.67	Apr. 15	4.64	July 5	5.48	Sept. 26	3.81
10	4.72	20	4.74	11	5.84	27	3.84
15	4.76	26	5.07	15	5.82	29	3.90
20	4.77	30	5.08	20	5.70	Oct. 5	4.05
26	4.60	May 5	5.49	25	5.50	13	4.43
31	4.61	10	5.44	29	(f)	15	4.45
Feb. 5	4.63	15	5.49	Aug. 5	5.48	20	4.53
10	4.69	18	5.02	6	5.17	26	4.40
15	4.73	20	4.98	8	4.91	31	4.44
20	4.75	25	4.82	10	4.95	Nov. 5	4.47
25	4.72	26	4.66	12	5.13	10	4.38
28	4.70	27	4.60	15	4.99	15	4.24
Mar. 5	4.57	30	4.72	20	5.44	20	4.37
10	4.63	June 5	4.69	25	5.58	25	4.38
15	4.68	10	4.71	Sept. 1	4.25	30	4.42
20	4.71	15	4.61	6	4.32	Dec. 6	4.50
26	4.74	20	4.69	11	4.92	10	4.53
30	4.84	25	6.08	16	4.31	22	4.46
Apr. 5	4.84	27	6.04	20	4.50	25	4.35
10	5.01	30	6.17	25	3.94	31	4.39

f Dry.

22-50-14bc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 0.06 above lsd, May 9, 1949; lowest 2.33 below lsd, Aug. 13, 1946. Records available: 1946-55. July 12, 2.00.

22-50-28bc. Mrs. Jessie Jensen. Drilled unused water-table well in sandstone of Arikaree group of Tertiary age, diameter 6 inches, depth 91 feet. Highest water level 78.63 below lsd, July 12, 1955; lowest 83.15 below lsd, June 19, 1954. Records available: 1934-42, 1944, 1946-55. July 12, 78.63.

Nance County

15-7-6bb. Dinsdale Bros. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 3 inches, depth 81 feet. Highest water level 63.88 below lsd, Mar. 28, 1950; lowest 66.00 below lsd, Sept. 30, 1948. Records available: 1948-52, 1955. Nov. 21, 65.99.

16-4-31bc. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 3.08 below lsd, Apr. 22, 1949; lowest 8.55 below lsd, Mar. 22, 1955. Records available: 1948-51, 1953, 1955. Mar. 22, 8.55.

17-4-25dc. Loup River Public Power District. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 18 feet. Highest water level 9.28 below lsd, Apr. 26, 1949; lowest 12.60 below lsd, Oct. 14, 1953. Records available: 1948-55. Mar. 22, 11.93.

17-5-35dd. Loup River Public Power District. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 16 feet. Highest water level 3.52 below lsd, July 25, 1950; lowest 7.37 below lsd, Aug. 17, 1954. Records available: 1948-55. Mar. 22, 6.54.

17-6-34ad. Wm. Christiansen. Drilled domestic water-table well in sand and gravel of Pleistocene age, diameter 3 inches, depth 77 feet. Highest water level 40.30 below lsd, May 24, 1950; lowest 45.15 below lsd, Oct. 31, 1942. Records available: 1935-42, 1948-51, 1953, 1955. Mar. 22, 44.25.

17-7-1ad. Anderson. Drilled domestic water-table well in sand of Pleistocene age, diameter 4 inches, depth 58 feet. Highest water level 36.54 below lsd, Nov. 5, 1951; lowest 41.56 below lsd, Nov. 1, 1949. Records available: 1949-55. Mar. 22, 38.78.

18-4-19ab. Homer Peterson. Drilled stock water-table well in sand of Pleistocene age, diameter 4 inches, depth 42 feet. Highest water level 6.05 below lsd, July 25, 1950; lowest 12.75 below lsd, Oct. 14, 1953. Records available: 1948-55. Mar. 23, 11.43.

Nuckolls County

1-5-31cb. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 23 feet. Highest water level 15.27 below lsd, May 1, 1952; lowest 20.43 below lsd, Nov. 2, 1948. Records available: 1947-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	17.61	June 8	18.33	Aug. 24	18.32	Oct. 18	17.58
Mar. 2	17.43	July 19	18.52	Sept. 20	17.64	Nov. 22	17.50

1-7-32bb. U. S. Geol. Survey. Drilled and jetted observation water-table well in sand, diameter 1¼ inches, depth 12 feet. Land-surface datum is 1,576.90 feet above msl. Highest water level 0.09 below lsd, June 26, 1951; lowest 6.55 below lsd, Aug. 18, 1953. Records available: 1947-55.

Mar. 3	4.48	July 13	5.67	Sept. 20	6.02	Nov. 22	5.28
June 9	4.28	Aug. 24	5.05	Oct. 18	4.97	Dec. 19	5.16

1-8-7dd. U. S. Geol. Survey. Drilled observation water-table well in loess of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 0.22 below lsd, Mar. 13, 1952; lowest 7.08 below lsd, Sept. 19, 1955. Records available: 1946-55. Jan. 6, 5.01; Mar. 4, 4.28; June 7, 4.71; July 15, 6.40; Aug. 23, 6.62; Sept. 19, 7.08; Nov. 21, 5.71.

1-8-23ab. U. S. Geol. Survey. Drilled observation water-table well in silt, loess, and clay of Pleistocene age, diameter 8 inches, depth 18 feet. Land-surface datum is 1,598.45 feet above msl. Highest water level 0.02 below lsd, July 29, 1951; lowest 7.91 below lsd, July 8-9, 1950. Records available: 1950-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.77	5.96	5.53	5.67	6.13	5.96	4.44	4.89	5.02	3.34	4.53	4.78
2	5.77	5.97	5.54	5.67	6.15	5.98	4.59	4.95	4.98	3.42	4.56	4.82
3	5.78	5.97	5.55	5.67	6.18	5.98	4.70	5.02	5.07	3.44	4.55	4.85
4	5.78	5.96	5.57	5.70	6.19	5.97	4.78	5.09	5.16	3.47	4.50	4.86
5	5.80	5.96	5.60	5.72	6.20	4.98	4.84	5.07	5.22	3.59	4.56	4.86
6	5.80	5.99	5.58	5.73	6.20	4.53	4.91	4.95	5.29	3.68	4.57	4.84
7	5.79	5.99	5.58	5.74	6.21	4.64	5.00	4.85	5.33	3.74	4.60	4.90
8	5.78	5.97	5.57	5.74	6.21	4.73	5.10	4.81	5.40	3.79	4.60	4.93
9	5.80	5.99	5.56	5.75	6.19	4.80	5.17	4.77	5.49	3.87	4.56	4.93
10	5.80	6.00	5.57	5.75	6.20	4.88	5.25	4.74	5.53	3.91	4.55	4.95
11	5.80	6.00	5.57	5.75	6.20	4.93	5.33	4.64	5.53	4.02	4.62	4.95
12	5.83	6.00	5.57	5.77	6.19	4.97	5.39	4.45	5.54	4.05	4.63	4.95
13	5.83	5.99	5.55	5.78	6.18	5.03	5.45	4.13	5.61	4.11	4.65	4.97
14	5.83	6.00	5.52	5.80	....	5.08	5.50	4.08	5.66	4.12	4.64	4.98
15	5.84	6.00	5.55	5.80	....	5.10	5.55	4.22	5.71	4.18	4.66	4.98
16	5.84	5.96	5.56	5.83	....	5.00	5.60	4.31	5.77	4.22	4.69	4.94
17	5.86	5.75	5.55	5.83	....	4.93	5.65	4.39	5.83	4.24	4.70	4.97
18	5.87	5.58	5.55	5.84	....	1.12	5.70	4.44	5.82	4.26	4.70	5.02
19	5.88	5.04	5.56	5.86	....	1.79	5.73	4.53	5.74	4.29	4.71	5.02
20	5.86	5.13	5.57	5.89	....	1.30	5.78	4.60	5.69	4.35	4.70	5.01

1-8-23ab--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	5.88	5.18	5.60	5.91	....	2.65	5.82	4.63	5.67	4.35	4.69	5.02
22	5.90	5.23	5.60	5.91	....	2.91	5.87	4.74	5.62	4.35	4.74	5.00
23	5.90	5.32	5.63	5.94	....	3.07	5.84	4.84	3.18	4.41	4.75	5.02
24	5.91	5.36	5.63	5.98	....	3.29	5.77	4.90	3.24	4.40	4.75	5.08
25	5.92	5.37	5.65	6.00	....	3.47	5.58	4.98	3.19	4.39	4.75	5.08
26	5.93	5.44	5.66	6.00	....	3.60	5.35	5.06	2.29	4.40	4.73	5.06
27	5.93	5.47	5.66	6.03	5.92	3.72	4.88	5.13	2.64	4.44	4.79	5.04
28	5.94	5.50	5.65	6.07	5.92	3.84	4.00	5.19	2.78	4.45	4.80	5.07
29	5.95		5.65	6.09	5.92	4.10	4.35	5.24	3.09	4.48	4.81	5.08
30	5.95		5.65	6.10	5.91	4.33	4.59	5.25	3.24	4.48	4.81	5.08
31	5.95		5.66		5.92		4.78	5.23		4.50		5.05

Phelps County

5-18-2cc. C. M. Brown. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 185 feet. Land-surface datum is 2,326.84 feet above msl. Highest water level 154.93 below lsd, Dec. 21, 1954; lowest 159.81 below lsd, Sept. 8, 1948. Records available: 1947-51, 1954-55. Dec. 30, 155.20.

5-19-22da. Warp. Drilled unused water-table well in sand of Pleistocene age, diameter 12 inches, depth 246 feet. Land-surface datum is 2,378.81 feet above msl. Highest water level 201.41 below lsd, July 25, 1955; lowest 204.64 below lsd, Sept. 13, 1949. Records available: 1947-55.

Daily lowest water level from recorder graph*

Day	Jan.	Feb.	Apr.	July	Aug.	Sept.	Oct.	Dec.
1	201.83	201.64	.....	.....	201.78	201.89	.....	.....
2	201.81	.....	.....	.....	201.69	201.64	.....	.....
3	201.93	.....	.....	.....	201.56	201.72	.....	.....
4	201.91	.....	.....	.....	201.70	201.90	.....	.....
5	201.93	.....	.....	.....	201.74	201.92	.....	.....
6	202.11	.....	202.04	.....	201.80	201.80	201.84	.....
7	201.93	.....	202.02	.....	201.87	201.77	.....	.....
8	201.78	.....	201.80	201.60	201.70	201.52	.....	.....
9	201.77	.....	201.70	201.66	201.72	201.79	.....	.....
10	201.73	.....	201.65	201.67	201.86	202.03	.....	.....
11	201.59	.....	201.42	201.70	201.85	.....	.....	.....
12	201.95	.....	201.62	201.72	201.67	.....	.....	.....
13	201.92	202.07	201.66	201.75	201.64	.....	.....	.....
14	201.72	201.85	201.72	201.70	201.67	.....	.....	.....
15	201.77	201.70	201.59	201.60	201.75	.....	.....	.....
16	201.63	201.49	201.85	201.55	201.67	.....	.....	.....
17	201.82	.....	201.80	201.58	201.64	.....	.....	.....
18	201.96	.....	201.56	201.63	201.71	.....	.....	.....
19	201.95	.....	201.65	201.60	201.71	.....	.....	.....
20	201.52	.....	201.75	201.57	201.65	.....	.....	.....
21	201.59	.....	201.77	201.48	201.81	.....	.....	.....
22	201.77	.....	201.62	201.55	201.85	.....	.....	.....
23	201.77	.....	201.52	201.61	201.76	.....	.....	.....
24	201.63	.....	201.92	201.62	201.68	.....	.....	.....
25	201.78	.....	201.93	201.41	201.69	.....	.....	.....
26	202.00	.....	201.74	201.61	201.70	.....	.....	.....
27	201.92	.....	201.84	201.65	201.71	.....	.....	.....
28	201.89	.....	202.03	201.67	201.65	.....	.....	.....
29	201.65		202.06	201.57	201.87	.....	.....	202.04
30	201.65		201.91	201.64	202.04	.....	.....	.....
31	201.45			201.73	201.98		.....	.....

* No record for March, May, June, and November.

5-20-16dc. Alvin Rademaker. Drilled unused water-table well in sand of Pleistocene age, diameter 5 inches, depth 45 feet. Land-surface datum is 2,270.56 feet above msl. Highest water level 36.11 below lsd, Dec. 29, 1955; lowest 39.95 below lsd, July 22, 1948. Records available: 1948-55. Dec. 29, 36.11.

6-17-15ad. Carl Rumste. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 170 feet. Land-surface datum is 2,253.60 feet above msl. Highest water level 69.90 below lsd, Dec. 30, 1955; lowest 90.08 below lsd, Aug. 6, 1947. Records available: 1947-52, 1954-55. Dec. 30, 69.90.

6-19-2aa. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 151 feet. Land-surface datum is 2,360.81 feet above msl. Highest water level 84.10 below lsd, Dec. 29, 1955; lowest 123.70 below lsd, Mar. 9, 1945. Records available: 1945-55. Jan. 24, 86.35; Feb. 17, 86.43; June 27, 85.58; Oct. 3, 84.91; Dec. 29, 84.10; Dec. 30, 84.14.

6-19-21dc. Robert Bushnell. Drilled unused water-table well in sand of Pleistocene age, diameter 4 inches, depth 165 feet. Land-surface datum is 2,375.99 feet above msl. Highest water level 137.84 below lsd, Dec. 29, 1955; lowest 152.60 below lsd, Sept. 26, 1950. Records available: 1948-55. Dec. 29, 137.84.

7-18-3cc. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diameter 4 inches, depth 85 feet. Land-surface datum is 2,314.29 feet above msl. Highest water level 56.91 below lsd, Aug. 16, 1951; lowest 80.85 below lsd, May 15, 1948. Records available: 1948-55. Dec. 29, 65.98.

7-18-35ab. Alfred L. Anderson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 123 feet. Land-surface datum is 2,281.53 feet above msl. Highest water level 53.06 below lsd, Dec. 29, 1955; lowest 72.74 below lsd, May 12, 1948. Records available: 1948-55. Dec. 29, 53.06.

7-20-28dc. Albert Dahlgren. Drilled unused water-table well in sand of Pleistocene age, diameter 3 inches, depth 172 feet. Land-surface datum is 2,450.14 feet above msl. Highest water level 140.84 below lsd, Dec. 29, 1955; lowest 171.72 below lsd, Nov. 15, 1934. Records available: 1934-36, 1948-55. Dec. 29, 140.84.

8-17-24bc. F. R. Skiles. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 24 inches, depth 43 feet. Land-surface datum is 2,187.39 feet above msl. Highest water level 7.60 below lsd, July 8, 1949; lowest 12.23 below lsd, Oct. 27, 1940. Records available: 1930-53, 1955. Dec. 30, 9.11.

8-18-16cc. Gus A. Nelson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 38 feet. Land-surface datum is 2,251.87 feet above msl. Highest water level 5.91 below lsd, May 22, 1952; lowest 9.26 below lsd, Aug. 9, 1946. Records available: 1946-55. Dec. 29, 7.28.

8-19-18aa. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diameter 2 inches, depth 9 feet. Highest water level 1.24 below lsd, Mar. 12, 1949; lowest 3.52 below lsd, July 7, 1950. Records available: 1949-55. Dec. 29, 2.92.

8-19-33cc. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diameter 4 inches, depth 117 feet. Land-surface datum is 2,350.97 feet above msl. Highest water level 32.92 below lsd, Dec. 29, 1955; lowest 51.70 below lsd, May 10, 1948. Records available: 1948-55. Dec. 29, 32.92.

8-20-8cd. Mrs. A. D. Matson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 48 feet. Land-surface datum is 2,337.85 feet above msl. Highest water level 3.97 below lsd, Sept. 11, 1950; lowest 8.90 below lsd, Aug. 9, 1946. Records available: 1946-55. May 11, 7.55; Dec. 29, 7.76.

Platte County

A17-1-17dd. Loup River Public Power District. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 26 feet. Land-surface datum is 1,436.4 feet above msl. Highest water level 5.20 below lsd, July 30, 1945; lowest 11.49 below lsd, Nov. 22, 1955. Records available: 1935-40, 1942-55. Nov. 22, 11.49.

A17-1-36bc. Loup River Public Power District. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 17 feet. Land-surface datum is 1,412.8 feet above msl. Highest water level 3.03 below lsd, Mar. 28, 1952; lowest 8.10 below lsd, June 10, 1946. Records available: 1935-40, 1942-55. Nov. 22, 7.04.

A18-1-28cd. Loup River Public Power District. Drilled observation water-table well in sand of Pleistocene age, diameter 2 inches, depth 99 feet. Land-surface datum is 1,511.8 feet above msl. Highest water level 60.30 below lsd, Mar. 27, Apr. 24, 1940; lowest 70.92 below lsd, Nov. 11, 1953. Records available: 1935-40, 1942-53. No measurement made in 1955.

16-2-9cc. John F. Nyffeler. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 38 feet. Land-surface datum is 1,508.17 feet above msl. Highest water level 0.39 below lsd, Apr. 15, 1949; lowest 4.84 below lsd, Nov. 22, 1955. Records available: 1946-55. Nov. 22, 4.84.

16-2-12ab. Herman Ernst. Driven domestic water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 17 feet. Land-surface datum is 1,488.63 feet above msl. Highest water level 6.24 below lsd, Apr. 15, 1949; lowest 11.93 below lsd, Nov. 22, 1955. Records available: 1934-42, 1944-55. Nov. 22, 11.93.

17-1-2cc. Loup River Public Power District. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 22 feet. Land-surface datum is 1,468.4 feet above msl. Highest water level 6.80 below lsd, Apr. 13, 1942; lowest 13.29 below lsd, Oct. 8, 1936. Records available: 1935-40, 1942-52, 1954-55. Nov. 22, 12.13.

17-1-34dc. J. C. Ernst. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 65 feet. Land-surface datum is 1,458.86 feet above msl. Highest water level 6.29 below lsd, July 7, 1947; lowest 11.50 below lsd, Nov. 22, 1955. Records available: 1945-55. Nov. 22, 11.50.

17-2-2cd. Ernest Schacher. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 3 inches, depth 44 feet. Land-surface datum is 1,480.34 feet above msl. Highest water level 4.58 below lsd, July 8, 1947; lowest 8.80 below lsd, Oct. 23, 1936. Records available: 1934-42, 1946-51, 1954. No measurement made in 1955.

17-2-6bd. Loup River Public Power District. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 23 feet. Highest water level 12.53 below lsd, June 6, 1949; lowest 14.53 below lsd, Aug. 8, 1949. Records available: 1948-52, 1954-55. Nov. 22, 14.33.

17-3-23ad. Jack Horner. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 48 feet. Highest water level 12.17 below lsd, May 12, 1954; lowest 18.24 below lsd, Nov. 22, 1955. Records available: 1947-52, 1954-55. Nov. 22, 18.24.

Polk County

13-4-27bb. Jerold Ruzicka. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 142 feet. Highest water level 60.77 below lsd, Mar. 15, 1950; lowest 73.49 below lsd, Nov. 30, 1955. Records available: 1949-50, 1952-55. Nov. 30, 73.49.

14-4-19ab. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Land-surface datum is 1,626.55 feet above msl. Highest water level 2.32 below lsd, Mar. 7, 1949; lowest 6.33 below lsd, Sept. 22, 1953. Records available: 1946-55. Nov. 30, 6.10.

15-2-7bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Land-surface datum is 1,529.26 feet above msl. Highest water level 5.28 below lsd, Apr. 19, 1949; lowest 9.01 below lsd, Dec. 11, 1955. Records available: 1946-55. Dec. 11, 9.01.

15-3-20cc. Ray Norris. Drilled irrigation water-table well in sand of Pleistocene age, diameter 12 inches, depth 21 feet. Land-surface datum is 1,582.83 feet above msl. Highest water level 4.31 below lsd, Apr. 20, 1949; lowest 9.33 below lsd, Sept. 22, 1953. Records available: 1946-55. Dec. 11, 8.11.

16-2-23dc. Rudolph Nitsch. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 40 feet. Land-surface datum is 1,498.28 feet above msl. Highest water level 5.92 below lsd, July 7, 1947; lowest 10.40 below lsd, Dec. 11, 1955. Records available: 1946-55. Dec. 11, 10.40.

Redwillow County

2-29-4ad. Rex S. Haberman. Drilled unused water-table well in sand of Pleistocene age, diameter 26 inches, depth 40 feet. Highest water level 27.58 below lsd, May 27-June 2, 1952; lowest 37.10 below lsd, July 11, 1953. Records available: 1950-55.

Daily lowest water level from recorder graph*

Day	Jan.	Mar.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	31.03	33.29	36.23	34.95	33.17	32.78
2	.....	.....	.....	31.02	33.45	36.31	34.85	33.14	32.80
3	.....	.....	.....	31.01	33.58	36.43	34.77	33.12	32.82
4	.....	.....	.....	31.00	33.65	36.48	34.68	33.09	32.83
5	.....	.....	.....	31.00	33.80	36.59	34.60	33.06	32.85

2-29-4ad--Continued.

Day	Jan.	Mar.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	.....	.....	31.17	33.90	36.69	34.51	33.04	32.86
7	.....	.....	.....	31.33	33.93	36.77	34.44	33.01	32.88
8	.....	.....	.....	31.39	34.00	36.77	34.37	32.99	32.90
9	.....	.....	.....	31.47	34.07	36.75	34.29	32.96	32.91
10	.....	.....	.....	31.52	34.16	36.68	34.22	32.94	32.92
11	31.07	.....	.....	31.58	34.19	36.57	34.15	32.91	32.93
12	31.06	.....	.....	31.68	34.25	36.44	34.08	32.89	32.95
13	31.05	.....	31.20	31.76	34.38	36.29	34.02	32.87	32.95
14	31.04	.....	31.20	31.85	34.47	36.16	33.96	32.85	32.97
15	.....	.....	31.20	31.88	34.54	36.18	33.90	32.83	32.98
16	.....	.....	31.20	31.89	34.62	36.28	33.85	32.81	32.99
17	.....	.....	31.19	31.90	34.72	36.37	33.78	32.79	33.01
18	.....	.....	31.18	31.92	34.84	36.25	33.74	32.78	33.03
19	.....	.....	31.18	31.92	34.97	36.24	33.69	32.76	33.04
20	.....	.....	31.16	31.92	35.08	36.19	33.64	32.74	33.05
21	.....	.....	31.15	31.92	35.13	36.09	33.59	32.71	33.06
22	.....	.....	31.15	31.93	35.23	35.98	33.55	32.69	33.08
23	.....	.....	31.14	31.98	35.35	35.85	33.50	32.66	33.09
24	.....	.....	31.13	32.08	35.44	35.72	33.47	32.68	33.11
25	.....	.....	31.11	32.24	35.52	35.59	33.43	32.68	33.12
26	.....	.....	31.10	32.42	35.64	35.46	33.39	32.70	33.13
27	.....	.....	31.08	32.60	35.75	35.35	33.35	32.72	33.15
28	.....	.....	31.07	32.78	35.85	35.24	33.31	32.73	33.16
29	.....	30.38	31.06	32.92	35.95	35.14	33.28	32.75	33.17
30	.....	30.38	31.04	33.03	36.05	35.04	33.24	32.76	33.18
31	.....	.....		33.17	36.12		33.21		33.20

* No record for February, April, and May.

3-27-17cb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 16 feet. Land-surface datum is 2,366.88 feet above msl. Highest water level 8.27 below lsd, Oct. 10, 1951; lowest 11.56 below lsd, July 16, 1954. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 17	9.44	June 16	9.89	Aug. 16	10.22	Oct. 18	10.19
May 17	10.00	July 20	10.01	Sept. 16	10.42	Dec. 16	9.70

3-28-20bb2. Leo D. England. Drilled irrigation water-table well in sand of Pleistocene age, diameter 14 inches, depth 36 feet. Highest water level 5.53 below lsd, Sept. 9-10, 1951; lowest 9.32 below lsd, Sept. 17, 1955. Records available: 1950-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	8.00	7.72	7.56	7.79	8.33	8.01	8.85	9.15	9.06	8.75	8.47
2	....	8.00	7.71	7.51	7.83	8.35	8.10	8.86	9.16	9.05	8.74	8.46
3	....	8.00	7.70	7.52	7.87	8.37	8.16	8.88	9.18	9.03	8.74	8.45
4	....	8.00	7.71	7.55	7.91	8.37	8.20	8.90	9.20	9.01	8.72	8.45
5	....	7.98	7.72	7.57	7.92	8.35	8.25	8.93	9.21	9.00	8.72	8.45
6	....	7.98	7.68	7.57	7.97	8.38	8.30	8.95	9.23	8.99	8.71	8.43
7	....	7.97	7.67	7.55	8.00	8.39	8.35	8.96	9.25	8.98	8.70	8.42
8	....	7.95	7.65	7.52	8.00	8.38	8.40	8.98	9.26	8.96	8.70	8.42
9	....	7.95	7.64	7.52	8.05	8.32	8.44	9.00	9.27	8.95	8.68	8.41
10	....	7.96	7.65	7.51	8.06	8.27	8.49	8.99	9.28	8.95	8.67	8.40
11	8.15	7.94	7.65	7.48	8.08	8.24	8.53	8.98	9.28	8.94	8.66	8.39
12	8.15	7.93	7.66	7.53	8.10	8.22	8.55	8.97	9.27	8.93	8.65	8.38
13	8.15	7.90	7.62	7.52	8.13	8.20	8.56	8.99	9.29	8.92	8.64	8.37
14	8.13	7.90	7.63	7.51	8.15	8.19	8.58	9.00	9.29	8.91	8.63	8.37
15	8.13	7.88	7.64	7.50	8.17	8.17	8.59	9.00	9.30	8.90	8.62	8.36
16	8.12	7.86	7.64	7.54	8.20	8.16	8.59	9.00	9.31	8.90	8.61	8.34
17	8.11	7.84	7.62	7.51	8.19	8.14	8.58	8.98	9.32	8.89	8.60	8.33
18	8.11	7.82	7.61	7.50	8.17	8.01	8.57	8.96	9.31	8.88	8.59	8.32
19	8.10	7.82	7.58	7.53	8.18	7.86	8.57	8.95	9.30	8.87	8.58	8.32
20	8.09	7.81	7.58	7.53	8.20	7.80	8.57	8.95	9.27	8.86	8.57	8.31
21	8.08	7.81	7.59	7.53	8.22	7.78	8.59	8.95	9.26	8.85	8.56	8.30
22	8.08	7.80	7.57	7.52	8.24	7.78	8.61	8.96	9.25	8.85	8.55	8.28
23	8.07	7.79	7.60	7.55	8.25	7.77	8.63	8.99	9.22	8.84	8.54	8.27
24	8.07	7.79	7.60	7.59	8.26	7.78	8.65	9.00	9.20	8.83	8.54	8.27
25	8.06	7.75	7.62	7.59	8.27	7.79	8.67	9.02	9.18	8.82	8.53	8.27

3-28-20bb2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	8.06	7.76	7.63	7.58	8.24	7.80	8.70	9.05	9.15	8.81	8.52	8.26
27	8.05	7.74	7.58	7.68	8.25	7.80	8.74	9.06	9.12	8.80	8.51	8.25
28	8.05	7.73	7.54	7.70	8.28	7.83	8.76	9.08	9.10	8.79	8.51	8.23
29	8.03		7.54	7.73	8.29	7.82	8.79	9.10	9.08	8.79	8.50	8.23
30	8.03		7.52	7.75	8.29	7.97	8.81	9.12	9.07	8.78	8.48	8.22
31	8.01		7.55		8.30		8.83	9.14		8.76		8.21

3-29-32db. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 20 feet. Highest water level 4.54 below lsd, Aug. 13, 1950; lowest 9.54 below lsd, Aug. 13, 1954. Records available: 1940-44, 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	7.33	June 20	7.38	Aug. 30	8.64	Nov. 1	8.30
Mar. 29	6.97	July 26	8.40	Oct. 3	8.67	Dec. 12	7.80

3-30-29aa. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 2,512 feet above msl. Highest water level 1.81 below lsd, May 5, 1952; lowest 6.14 below lsd, Aug. 30, 1955. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	4.55	June 21	4.59	Aug. 30	6.14	Nov. 1	5.50
Mar. 30	3.69	July 27	5.73	Oct. 3	5.87	Dec. 13	4.90

Rock County

30-17-8db. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 15 feet. Land-surface datum is 2,235.70 feet above msl. Highest water level 0.50 below lsd, Mar. 24, 1951; lowest 5.12 below lsd, Nov. 22, 1935. Records available: 1934-55. Mar. 28, 1.71; July 15, 3.84; Oct. 20, 4.26.

30-19-10aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 15 feet. Land-surface datum is 2,304.89 feet above msl. Highest water level 0.91 above lsd, Feb. 28, 1952; lowest 4.23 below lsd, July 19, 1940. Records available: 1940, 1944-55. Mar. 28, 0.26; July 15, 3.02; Oct. 20, 3.46.

Saunders County

A13-9-24cc. City of Lincoln. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 1,065.22 feet above msl. Highest water level 0.48 below lsd, July 31, 1948; lowest 8.49 below lsd, Sept. 25, 1955. Records available: 1933-55.

Jan. 26	6.46	Apr. 25	5.73	July 25	7.27	Oct. 25	8.27
Feb. 25	6.01	May 25	6.42	Aug. 25	8.12	Nov. 25	7.82
Mar. 25	5.75	June 25	6.59	Sept. 25	8.49	Dec. 25	7.32

A13-10-30ad. City of Lincoln. Drilled observation water-table well in gravel of Pleistocene age, diameter 8 inches, depth 20 feet. Land-surface datum is 1,066.01 feet above msl. Highest water level 3.97 below lsd, May 12, 1953; lowest 11.70 below lsd, Sept. 2-4, 1955. Records available: 1950-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.21	7.97	8.09	8.57	9.12	9.27	9.10	10.70	11.69	10.11	10.02	9.37
2	9.15	7.93	8.08	8.47	9.17	9.35	9.13	10.74	11.70	10.10	9.99	9.39
3	9.17	7.90	7.97	8.50	9.25	9.42	9.24	10.80	11.70	10.12	10.01	9.35
4	9.18	7.83	7.60	8.59	9.32	9.48	9.37	10.86	11.70	10.15	9.99	9.33
5	9.18	7.78	7.60	8.69	9.41	9.51	9.37	10.91	11.68	10.19	9.97	9.35
6	9.09	7.81	7.44	8.77	9.50	9.51	9.62	10.98	11.67	10.22	9.94	9.36
7	9.10	7.81	7.36	8.79	9.58	9.39	9.68	11.03	11.65	10.18	9.91	9.40
8	9.02	7.83	7.25	8.84	9.66	9.24	9.64	11.08	11.64	10.17	9.89	9.42
9	9.09	7.87	7.18	8.91	9.72	9.13	9.73	11.12	11.62	10.12	9.88	9.42
10	....	7.94	7.29	8.95	9.79	9.20	9.82	11.12	11.62	10.09	9.86	9.32
11	....	8.01	7.37	8.99	9.87	9.30	9.83	11.12	11.61	10.06	9.86	9.14
12	....	8.07	7.48	9.06	9.95	9.38	9.90	11.12	11.58	10.04	9.82	9.10
13	9.43	8.07	7.65	9.06	10.01	9.41	9.99	11.10	11.53	9.98	9.83	9.07
14	....	8.08	7.81	9.08	10.06	9.46	10.08	11.08	11.51	10.02	9.82	9.02
15	9.63	8.07	7.81	9.08	10.12	9.50	9.99	11.11	11.46	10.07	9.78	9.00
16	9.66	8.08	8.17	9.07	10.17	9.53	9.35	11.15	11.43	10.11	9.95	8.98
17	9.66	8.10	8.31	9.03	10.21	9.55	9.46	11.20	11.40	10.12	10.07	8.94
18	8.64	8.10	8.43	9.02	10.23	9.55	9.63	11.26	11.38	10.10	10.13	8.88
19	8.64	8.08	8.54	9.07	10.28	9.49	9.81	11.32	11.36	10.09	10.20	8.86
20	8.30	8.03	8.61	9.09	10.30	9.02	9.97	11.37	11.30	10.09	10.25	8.84

A13-10-30ad--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	8.44	7.95	8.72	9.16	10.30	8.70	10.10	11.41	11.20	10.08	10.30	8.83
22	8.41	7.90	8.72	9.19	10.26	8.71	10.17	11.44	10.96	10.04	10.31	8.82
23	....	7.82	9.32	9.21	9.93	8.72	10.21	11.47	10.84	10.05	10.31	(j)
24	....	7.80	9.39	9.20	9.93	8.73	10.25	11.49	10.76	10.04	10.10	(j)
25	....	7.86	9.39	9.17	9.93	8.72	10.29	11.52	10.73	10.02	9.70	(j)
26	....	7.95	9.39	9.18	9.95	8.25	10.36	11.55	10.70	10.02	9.56	(j)
27	8.12	8.02	9.13	9.10	9.96	8.29	10.41	11.57	10.60	9.94	9.58	(j)
28	8.13	8.07	9.17	9.05	9.95	8.53	10.48	11.62	10.50	9.95	9.58	(j)
29	8.13		9.17	9.01	9.35	8.75	10.53	11.65	10.39	10.00	9.22	h8.72
30	8.10		8.95	9.04	9.35	8.96	10.59	11.65	10.22	10.04	9.29	(j)
31	8.06		8.95		9.23		10.65	11.67		10.05		(j)

h Tape measurement.
j Float cable frozen to side of casing.

A17-5-23bc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Highest water level 3.67 below lsd, May 2, 1951; lowest 7.11 below lsd, Oct. 24, 1955. Records available: 1950-55. July 26, 6.88; Oct. 24, 7.11.

Scotts Bluff County

22-54-32ab. B. J. Pieper. Drilled irrigation water-table well in coarse gravel of Pleistocene age, diameter 24 inches, depth 45 feet. Highest water level 7.59 below lsd, Aug. 28, 1937; lowest 10.98 below lsd, Apr. 5, 1938. Records available: 1937-38, 1945, 1951, 1953-55. Nov. 9, 9.02.

22-56-4dd. U. S. Geol. Survey. Drilled observation water-table well in reworked Brule formation, diameter 1 inch, depth 20 feet. Highest water level 2.01 below lsd, Sept. 20, 1953; lowest 8.45 below lsd, Apr. 7, 1937. Records available: 1936-37, 1939-42, 1944-45, 1953-55. Nov. 9, 4.40.

23-56-6aa. Carl Gompert. Drilled irrigation water-table well in alluvium of Quaternary age, diameter 18 inches. Land-surface datum is 4,087.7 feet above msl. Highest water level 29.24 below lsd, Oct. 26, 1949; lowest 39.10 below lsd, Nov. 9, 1955. Records available: 1948-55. Nov. 9, 39.10.

23-56-28ad. U. S. Geol. Survey. Drilled observation water-table well in terrace gravels of Pleistocene age, diameter 1 inch, depth 18 feet. Highest water level 8.69 below lsd, Nov. 8, 1940; lowest 9.90 below lsd, Apr. 16, 1951. Records available: 1936-42, 1944-45, 1951, 1953-55. Nov. 9, 9.74.

23-57-5bb. Andrew Oleson. Drilled unused water-table well in siltstone of Oligocene age, diameter 4 inches, depth 142 feet. Land-surface datum is 4,111.5 feet above msl. Highest water level 18.76 below lsd, Nov. 9, 1955; lowest 25.73 below lsd, May 1, 1950. Records available: 1948-55. Nov. 9, 18.76.

Seward County

A11-2-23cc. August Rolfmeier. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 127 feet. Highest water level 76.98 below lsd, Apr. 23, 1952; lowest 78.38 below lsd, Nov. 4, 1955. Records available: 1948-55. Sept. 23, 77.15; Nov. 4, 78.38.

Sheridan County

24-41-34da. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 13 feet. Highest water level 5.52 below lsd, June 8, 1935; lowest 9.37 below lsd, Oct. 21, 1941. Records available: 1934-42, 1944-55. July 11, 7.37; Oct. 17, 8.24.

24-42-27ba. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 18 feet. Highest water level 12.19 below lsd, Apr. 4, 1946; lowest 13.45 below lsd, Apr. 17, 1951. Records available: 1946-55. July 11, 12.79; Oct. 17, 13.05.

24-43-15da. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 21 feet. Highest water level 5.66 below lsd, June 8, 1949; lowest 8.08 below lsd, Nov. 4, 1940. Records available: 1940-42, 1944-55. July 11, 6.59; Oct. 17, 7.01.

24-44-14da. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 11 feet. Highest water level 3.71 below lsd, Sept. 5, 1951; lowest 6.18 below lsd, Aug. 15, 1946. Records available: 1946-55. July 11, 5.21; Oct. 17, 5.86.

24-44-18bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Highest water level 3.80 below lsd, May 11, 1949; lowest 6.08 below lsd, Oct. 17, 1955. Records available: 1946-55. July 11, 5.37; Oct. 17, 6.08.

24-46-10cb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Highest water level 2.26 below lsd, Apr. 4, 1946; lowest 7.35 below lsd, Aug. 15, 1946. Records available: 1946-55. July 11, 6.67; Oct. 17, 7.24.

25-45-32ad. J. Herrian. Drilled unused water-table well in sand of Pleistocene age, diameter 4 inches, depth 106 feet. Highest water level 31.50 below lsd, July 15-16, 1949; lowest 34.10 below lsd, Sept. 20, 1954. Records available: 1946-55. July 11, 33.56; Oct. 17, 34.00.

29-46-4dc. George Glenn. Drilled unused water-table well in sandstone of Marsland formation, diameter 6 inches, depth 111 feet. Highest water level 55.45 below lsd, Oct. 18, 1955; lowest 61.34 below lsd, May 2, 1950. Records available: 1950-55. July 12, 57.77; Oct. 18, 55.45.

29-46-10aa. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 100 feet. Highest water level 37.39 below lsd, Nov. 10, 1955; lowest 38.95 below lsd, May 29, 1954. Records available: 1953-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	37.90	38.03	38.05	37.98	38.05	.....	38.22	38.12	37.63	37.55	37.52	37.44
2	37.95	38.10	38.03	37.87	38.05	38.22	38.25	38.07	37.62	37.52	37.55	37.48
3	37.96	38.10	38.03	37.83	38.13	38.22	38.35	38.05	37.63	37.48	37.50	37.52
4	37.92	38.02	38.16	37.98	38.15	38.22	38.27	38.07	37.67	37.44	37.46	37.55
5	37.97	38.04	38.13	38.05	38.13	38.20	38.26	38.07	37.64	37.54	37.52	37.55
6	37.99	38.15	38.04	38.05	38.15	38.21	38.26	38.05	37.64	37.54	37.53	37.44
7	37.91	38.05	38.02	38.03	38.15	38.27	38.27	38.03	37.58	37.53	37.57	37.56
8	37.94	38.05	37.95	38.00	38.10	38.28	38.30	37.92	37.57	37.47	37.52	37.60
9	37.94	38.17	37.90	38.01	38.15	38.25	38.29	37.95	37.64	37.47	37.46	37.55
10	37.88	38.17	37.90	37.97	38.15	38.24	38.28	37.95	37.64	37.45	37.39	37.60
11	37.95	38.15	37.97	37.95	38.13	38.24	38.32	37.90	37.61	37.50	37.46	37.57
12	38.01	38.13	37.97	38.03	38.11	38.22	38.34	37.86	37.53	37.52	37.50	37.53
13	37.92	38.13	37.95	37.99	38.12	38.22	38.35	37.83	37.57	37.53	37.54	37.60
14	37.96	38.11	37.96	37.97	38.12	38.22	38.35	37.85	37.57	37.47	37.46	37.64
15	37.93	38.09	38.00	38.02	38.14	38.20	38.35	37.83	37.53	37.50	37.48	37.63
16	37.94	38.10	37.97	38.03	38.17	38.23	38.33	37.80	37.53	37.50	37.53	37.51
17	38.01	38.02	37.95	37.98	38.19	38.24	38.34	37.77	37.57	37.47	37.53	37.55
18	38.01	38.11	37.90	37.97	38.19	38.24	38.35	37.77	37.58	37.47	37.53	37.62
19	37.95	38.09	37.93	37.98	38.19	38.25	38.33	37.73	37.57	37.46	37.52	37.67
20	37.90	38.07	37.93	37.99	38.17	38.27	38.32	37.73	37.52	37.53	37.52	37.58
21	37.96	38.11	37.92	38.02	38.14	38.31	38.33	37.74	37.57	37.53	37.43	37.55
22	37.98	38.08	37.90	37.97	38.19	38.28	38.31	37.73	37.58	37.50	37.55	37.46
23	37.95	38.16	37.95	38.03	38.20	38.24	38.30	37.70	37.57	37.54	37.55	37.54
24	37.95	38.14	37.99	38.04	38.18	38.24	38.26	37.63	37.57	37.50	37.56	37.63
25	38.02	38.07	38.00	38.02	38.17	38.25	38.15	37.70	37.57	37.46	37.55	37.62
26	38.02	38.08	38.02	37.97	38.13	38.25	38.21	37.69	37.53	37.42	37.57	37.62
27	38.00	38.02	37.97	38.07	38.25	38.25	38.19	37.70	37.54	37.48	37.58	37.58
28	38.00	38.03	37.90	38.08	38.28	38.24	38.12	37.69	37.52	37.48	37.58	37.68
29	37.95		37.90	38.07	38.28	38.22	38.08	37.72	37.55	37.50	37.58	37.72
30	37.94		37.95	38.07	.....	38.20	38.10	37.70	37.55	37.45	37.51	37.70
31	37.91		37.99		.....		38.12	37.67		37.45		37.57

29-46-24ad1. Kenneth Pyle. Drilled unused water-table well in sandstone of Marsland formation, diameter 6 inches, depth 95 feet. Highest water level 61.81 below lsd, Sept. 18, 1954; lowest 64.46 below lsd, July 19, 1950. Records available: 1950-52, 1954. No measurement made in 1955.

31-44-10dd. U. S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Highest water level 0.24 below lsd, June 25, 1952; lowest 5.24 below lsd, Sept. 12, 1936. Records available: 1935-42, 1944-47, 1951-55. July 12, 3.07; Oct. 18, 3.03.

31-46-8ad. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 15 feet. Highest water level 2.09 below lsd, Jan. 29, 1952; lowest 6.20 below lsd, Nov. 1, 1940. Records available: 1936-42, 1944-47, 1951-55. July 12, 2.93.

33-42-36da. School District. Drilled stock water-table well in sandstone of Ogallala formation, diameter 4 inches, depth 51 feet. Highest water level 34.59 below lsd, Oct. 7, 1947; lowest 36.51 below lsd, Oct. 19, 1941. Records available: 1940-41, 1945, 1947, 1951. No measurement made in 1955.

Sherman County

13-13-4dc. Thomas. Drilled stock water-table well in sand of Pleistocene age, diameter 4 inches, depth 190 feet. Land-surface datum is 2,083.92 feet above msl. Highest water level 120.51 below lsd, Feb. 12, 1952; lowest 122.24 below lsd, Mar. 24, 1954. Records available: 1949-55. Feb. 16, 121.96.

14-14-8ac. Claude Zimmerman. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 155 feet. Land-surface datum is 2,032.77 feet above msl. Highest water level 5.79 below lsd, Aug. 16, 1950; lowest 9.12 below lsd, Feb. 8, 1955. Records available: 1948-55. Feb. 8, 9.12.

14-14-23cb. Lee Heil. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 18 inches, depth 85 feet. Land-surface datum is 2,009.41 feet above msl. Highest water level 10.88 below lsd, June 26, 1949; lowest 12.74 below lsd, Feb. 16, 1955. Records available: 1949-51, 1955. Feb. 16, 12.74.

14-16-23bb. Henry Franssen. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 123 feet. Land-surface datum is 2,159.36 feet above msl. Highest water level 39.15 below lsd, Sept. 19, 1951; lowest 42.25 below lsd, Nov. 21, 1955. Records available: 1950-55. Nov. 21, 42.25.

16-15-28bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 35 feet. Land-surface datum is 2,126.38 feet above msl. Highest water level 18.57 below lsd, July 5, 1951; lowest 21.52 below lsd, July 13, 1953. Records available: 1949-55. Feb. 8, 21.20.

Sioux County

24-57-35cb. R. J. Lenhart. Drilled irrigation water-table well in alluvium of Quaternary age, diameter 24 inches, depth 87 feet. Land-surface datum is 4,089.7 feet above msl. Highest water level 4.84 below lsd, Aug. 31, 1949; lowest 9.83 below lsd, Apr. 16, 1951. Records available: 1948-53. No measurement made in 1955.

Stanton County

A22-2-8dd. Carroll. Drilled irrigation water-table well in sand of Pleistocene age, diameter 16 inches, depth 72 feet. Highest water level 32.18 below lsd, Nov. 7, 1951; lowest 38.34 below lsd, Dec. 16, 1954. Records available: 1950-54. Measurement discontinued.

A23-3-7bc. E. Spence. Drilled irrigation water-table well in sand of Pleistocene age, diameter 16 inches, depth 48 feet. Highest water level 9.62 below lsd, Nov. 7, 1951; lowest 15.68 below lsd, Dec. 20, 1955. Records available: 1950-55. Dec. 20, 15.68.

A23-3-11bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 13 feet. Highest water level 2.60 below lsd, May 28, 1951; lowest 6.51 below lsd, Oct. 27, 1936. Records available: 1936-40, 1942, 1946, 1948, 1950-55. Dec. 20, 5.66.

Thayer County

3-2-31ad. H. G. Eggert. Drilled unused water-table well in Grand Island or Holdrege formation, diameter 6 inches, depth 107 feet. Highest water level 101.59 below lsd, Dec. 14, 1953; lowest 105.93 below lsd, Nov. 1, 1941. Records available: 1934-41, 1944, 1946, 1953, 1955. Nov. 3, 101.77.

4-1-9bac. State of Nebraska. Drilled observation water-table well in sand of Pleistocene age, diameter 8 inches, depth 95 feet. Highest water level 87.83 below lsd, Sept. 28, 1953; lowest 90.01 below lsd, June 25, 1953. Records available: 1953-55.

4-1-9bac--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	88.14	88.15	88.02	88.02	88.01	88.26	88.29	88.29	88.37	88.40	.....	88.29
2	88.10	88.17	88.01	87.98	88.02	88.28	88.24	c88.73	88.36	88.39	.....	.....
3	88.11	88.17	88.00	88.03	88.05	c88.60	88.27	88.26	88.34	88.37	88.30	.....
4	88.08	88.11	88.03	88.04	88.06	88.25	88.27	88.30	88.39	88.33	88.29	.....
5	88.15	88.13	88.09	88.07	88.05	88.22	88.25	88.33	88.38	88.38	88.39	.....
6	88.15	88.16	88.02	88.06	88.05	88.25	88.25	88.32	88.36	88.46	88.36	.....
7	88.07	88.15	88.01	88.05	88.08	88.25	88.21	88.33	88.35	88.41	88.38	88.44
8	88.10	88.09	87.99	88.03	88.05	88.30	88.29	88.31	88.32	88.41	88.35	88.41
9	88.12	88.21	87.99	88.02	88.09	88.25	88.27	88.31	88.32	88.37	88.30	88.40
10	88.09	88.25	88.07	88.01	88.09	88.24	88.30	88.36	88.43	88.37	88.31	88.40
11	88.08	88.16	88.07	87.99	88.03	88.24	88.26	88.34	88.39	88.45	88.37	.....
12	88.15	88.00	88.07	88.02	88.03	88.25	88.27	88.30	88.33	88.45	88.34	.....
13	88.13	88.00	88.00	88.02	88.06	88.24	88.29	88.31	88.34	88.40	88.32	88.41
14	88.15	87.99	88.05	88.04	88.04	88.24	88.26	88.31	88.35	88.38	88.40	88.41
15	88.14	88.01	88.08	88.00	88.04	88.24	88.26	88.31	88.32	88.33	88.34	88.40
16	88.11	88.06	88.08	88.07	88.04	88.23	88.26	88.30	88.32	88.40	88.40	88.41
17	88.12	87.99	88.08	88.01	88.04	88.25	88.27	88.32	88.34	88.37	88.40	88.41
18	88.14	88.01	88.05	88.01	88.05	88.24	88.27	88.34	88.37	88.39	88.37	88.49
19	88.15	88.00	88.03	88.11	88.04	88.25	88.27	88.33	88.34	88.37	88.39	.....
20	88.08	88.04	88.01	88.08	88.04	88.25	88.26	88.33	88.37	88.44	88.35	.....
21	88.12	88.04	88.02	88.02	88.03	88.28	88.26	88.39	88.37	88.44	88.28	88.36
22	88.14	88.01	87.99	87.98	88.21	88.27	88.26	88.36	88.41	88.36	88.43	88.30
23	88.13	88.08	88.10	88.00	c88.83	88.25	88.28	88.35	88.40	88.45	88.42	88.30
24	88.16	88.07	88.07	88.09	88.25	88.23	88.27	88.35	88.41	88.39	88.38	88.45
25	88.18	87.95	88.08	88.05	88.25	88.25	88.22	88.36	88.39	88.36	88.39	88.40
26	88.23	88.04	88.07	88.01	88.24	88.24	88.25	88.35	88.37	88.35	88.40	88.37
27	88.14	88.01	88.01	88.09	88.26	88.28	88.26	88.36	88.38	88.43	88.47	88.31
28	88.20	88.04	87.99	88.10	88.27	88.25	c88.57	88.36	88.38	88.38	88.38	88.43
29	88.17		88.00	88.07	88.26	88.23	88.24	88.40	88.41	88.39	88.41	88.42
30	88.16		87.99	88.05	88.25	88.22	88.25	88.41	88.42	88.37	88.37	88.36
31	88.12		88.03		88.24		88.28	88.38		.....		88.30

c Nearby well being pumped.

Thomas County

24-30-20ab. U. S. Geol. Survey. Drilled observation water-table well in fine sand of Pleistocene age, diameter 1 inch, depth 13 feet. Highest water level 1.57 below lsd, Sept. 4, 1951; lowest 3.12 below lsd, Apr. 26, 1946. Records available: 1934-42, 1944-55. July 11, 2.76; Oct. 17, 2.76.

Valley County

17-16-26dc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 12 inches, depth 11 feet. Land-surface datum is 2,152.398 feet above msl. Highest water level 2.70 below lsd, Apr. 1, 1949; lowest 6.83 below lsd, Dec. 26, 1946. Records available: 1943-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.16	....	4.27	....	5.45	5.65	5.24	6.55	6.75	6.06	5.69	5.46
2	5.16	....	4.02	....	5.48	5.73	5.36	6.58	6.75	6.04	5.69	5.45
3	5.13	....	3.67	....	5.54	5.78	5.46	6.60	6.75	6.01	5.68	5.43
4	5.08	....	3.76	....	5.58	5.74	5.55	6.62	6.75	5.99	5.67	5.42
5	5.04	....	3.82	4.67	5.62	5.59	5.63	6.61	6.75	5.96	5.65	....
6	5.03	....	3.87	4.72	5.67	5.41	5.71	6.61	6.75	5.94	5.65	....
7	5.04	4.60	3.88	4.74	5.71	5.41	5.78	6.60	6.74	5.93	5.64	....
8	5.08	4.59	3.88	4.77	5.75	5.47	5.84	6.56	6.72	5.91	5.63	....
9	5.12	4.60	3.81	4.80	5.79	5.53	5.89	6.54	6.73	5.90	5.62	....
10	5.15	4.73	3.78	4.82	5.83	5.54	5.94	6.53	6.73	5.88	5.61	....
11	5.19	4.73	3.86	4.84	5.85	5.41	5.99	6.51	6.71	5.87	5.60	....
12	5.23	4.82	3.93	4.84	5.88	5.26	6.03	6.51	6.66	5.87	5.59	....
13	5.29	4.91	3.99	4.42	5.91	5.21	6.08	6.53	6.63	5.86	5.58	5.30
14	5.32	4.92	4.04	4.52	5.94	5.21	6.12	6.57	6.62	5.86	....	5.29
15	5.32	4.85	4.12	4.62	5.97	5.24	6.15	6.60	6.62	5.85	5.54	5.27

17-16-26dc--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	5.31	4.64	4.17	4.72	6.00	5.24	6.18	6.61	6.63	5.84	5.54	5.26
17	5.29	4.44	4.21	4.75	6.02	5.26	6.21	6.63	6.64	5.83	5.55	....
18	5.23	4.23	4.26	4.86	5.98	5.04	6.24	6.65	6.64	5.83	5.55	....
19	5.15	4.16	4.30	4.93	5.66	5.03	6.26	6.66	6.60	5.83	5.54	....
20	5.01	4.19	4.35	4.98	5.55	5.13	6.28	6.67	6.54	5.82	5.53	....
21	4.98	4.26	....	5.04	5.54	5.20	6.31	6.68	6.51	5.81	5.51	....
22	4.93	4.31	....	5.06	5.59	5.21	6.32	6.68	6.46	5.80	5.49	....
23	4.90	4.37	....	5.11	5.65	5.22	6.35	....	6.42	5.79	5.47	....
24	4.88	4.45	....	5.15	5.71	5.05	....	....	6.38	5.78	5.46	....
25	4.86	4.47	....	5.19	5.72	5.00	6.42	....	6.34	5.77	5.46	....
26	4.84	4.48	....	5.24	5.71	5.01	6.44	6.72	6.29	5.75	5.44	....
27	4.82	4.49	....	5.29	5.55	5.01	6.46	6.74	6.21	5.74	5.43	....
28	4.82	4.45	....	5.35	5.59	5.01	6.48	6.75	6.16	5.73	5.44	....
29	4.81		....	5.40	5.62	5.03	6.51	6.75	6.12	5.72	5.46	....
30	4.81		....	5.44	....	5.15	6.53	6.75	6.09	5.71	5.46	....
31	4.77		....		....		6.53	6.75		5.70		....

18-13-23dd. W. T. Hutchins. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 83 feet. Highest water level 8.70 below lsd, Aug. 3, 1949; lowest 23.37 below lsd, Oct. 12, 1937. Records available: 1934-42, 1948-52, 1954-55. Mar. 2, 11.52.

18-16-30cc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $\frac{3}{4}$ inch, depth 14 feet. Land-surface datum is 2,217.61 feet above msl. Highest water level 3.75 below lsd, Sept. 17, 1951; lowest 5.63 below lsd, Feb. 2, 1955. Records available: 1949-55. Feb. 2, 5.63; Aug. 26, 5.12.

19-13-28bb. Wm. Peterson. Drilled irrigation water-table well in sand and sandstone of Tertiary age, diameter 18 inches, depth 98 feet. Highest water level 12.29 below lsd, Apr. 29, 1949; lowest 14.79 below lsd, Aug. 13, 1954. Records available: 1948-55. Feb. 9, 14.44.

19-14-6dc. Chas. Verzal. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 97 feet. Highest water level 27.21 below lsd, Sept. 20, 1949; lowest 37.90 below lsd, Aug. 10, 1934. Records available: 1934-42, 1948-51, 1954-55. Mar. 2, 28.68.

Wayne County

A27-1-36cc. L. E. Jenkins. Drilled stock water-table well in alluvial sand, diameter 6 inches, depth 32 feet. Highest water level 6.00 below lsd, Jan. 26, 1952; lowest 9.72 below lsd, Mar. 19, 1951. Records available: 1949-52. Measurement discontinued.

Webster County

1-9-9cc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Highest water level 3.17 below lsd, June 20, 1949; lowest 8.54 below lsd, Feb. 4, 1949. Records available: 1947-55. Mar. 3, 7.89; June 15, 6.32; July 14, 6.02; Aug. 25, 5.55; Sept. 21, 6.53; Oct. 19, 6.43; Nov. 23, 7.56.

1-11-11ab. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter 8 inches, depth 17 feet. Land-surface datum is 1,684.9 feet above msl. Highest water level 1.34 below lsd, July 11-12, 1951; lowest 10.00 below lsd, Dec. 28-31, 1955. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.40	9.50	....	9.39	9.45	9.50	....	....	9.57	9.25	9.71	9.90
2	9.40	9.50	....	9.39	9.46	9.50	....	....	9.59	9.27	9.72	9.90
3	9.40	9.50	....	9.38	9.47	9.51	....	....	9.60	9.30	9.73	9.90
4	9.40	9.50	....	9.38	9.48	9.52	....	....	9.63	9.31	9.74	9.90
5	9.40	9.50	....	9.38	9.48	9.52	....	....	9.65	9.33	9.75	9.90
6	9.46	9.50	....	9.37	9.49	9.52	....	....	9.67	9.35	9.75	9.91
7	9.46	9.50	....	9.37	9.49	9.54	....	....	9.69	9.38	9.76	9.91
8	9.46	9.50	9.32	9.37	9.50	9.54	....	....	9.72	9.40	9.76	9.92
9	9.46	9.50	....	9.37	9.50	9.54	....	....	9.73	9.42	9.77	9.92
10	9.46	9.50	9.57	9.37	9.51	....	....	....	9.74	9.44	9.78	9.93
11	9.46	9.50	9.56	9.37	9.51	....	....	....	9.76	9.46	9.78	9.94
12	9.47	9.50	9.55	9.37	9.52	....	....	....	9.78	9.48	9.78	9.94
13	9.47	9.51	9.53	9.35	9.52	....	....	....	9.79	9.50	9.79	9.94
14	9.47	9.51	9.52	9.36	9.52	....	....	....	9.80	9.50	9.79	9.95
15	9.47	9.51	9.50	9.36	9.52	....	....	....	9.83	9.53	9.79	9.95

1-11-11ab--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	9.47	9.51	9.48	9.36	9.52	....	....	....	9.84	9.54	9.81	9.95
17	9.47	9.51	9.47	9.36	9.51	....	....	....	9.85	9.56	9.81	9.96
18	9.47	9.51	9.46	9.37	9.50	....	....	....	9.87	9.57	9.82	9.96
19	9.48	9.50	9.45	9.38	9.50	....	....	....	9.89	9.58	9.83	9.97
20	9.48	9.47	9.44	9.38	9.50	....	....	....	9.90	9.60	9.83	9.97
21	9.48	9.45	9.43	9.38	9.50	....	....	....	9.91	9.61	9.84	9.98
22	9.48	9.43	9.42	9.39	9.49	....	....	9.43	9.92	9.62	9.84	9.98
23	9.48	9.42	9.41	9.39	9.48	....	....	9.43	9.91	9.63	9.85	9.98
24	9.48	9.41	9.41	9.40	9.48	....	....	9.45	9.88	9.64	9.86	9.98
25	9.49	9.40	9.40	9.40	9.48	....	....	9.45	9.88	9.66	9.86	9.99
26	9.49	9.39	9.40	9.40	9.48	....	....	9.47	9.79	9.67	9.87	9.99
27	9.49	....	9.40	9.41	9.48	....	....	9.49	9.25	9.68	9.87	9.99
28	9.49	....	9.40	9.43	9.49	....	....	9.51	9.20	9.68	9.88	10.00
29	9.49		9.40	9.44	9.49	....	....	9.52	9.20	9.69	9.88	10.00
30	9.49		9.40	9.45	9.50	....	....	9.54	9.22	9.70	9.89	10.00
31	9.50		9.39		9.50		....	9.55		9.71		10.00

1-12-2bb. U. S. Geol. Survey. Drilled observation water-table well in black soil, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 1,723.57 feet above msl. Highest water level 0.94 below lsd, June 21, 1949; lowest 7.12 below lsd, Oct. 8, 1948. Records available: 1946-55. Jan. 7, 6.38; Mar. 8, 5.80; Aug. 1, 6.74; Oct. 4, 5.15.

2-10-36db. Henry J. Somerhalder. Dug irrigation water-table well in sand and gravel of Pleistocene age, diameter 40 inches, depth 35 feet, cribbed with wood. Highest water level 25.65 below lsd, June 22, 1935; lowest 28.07 below lsd, Feb. 12, 1946. Records available: 1934-40, 1942, 1946-55. Jan. 6, 26.82; Mar. 8, 26.64; Oct. 5, 28.04.

3-10-34cb. Judge R. E. Adams. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 40 feet. Land-surface datum is 1,792.14 feet above msl. Highest water level 34.43 below lsd, Feb. 13, 1946; lowest 37.14 below lsd, Aug. 1, 1940. Records available: 1934-42, 1946, 1955. Nov. 3, 35.26.

Wheeler County

23-11-12bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 16 feet. Highest water level 0.91 below lsd, June 4, 1954; lowest 5.57 below lsd, Oct. 12, 1937. Records available: 1935-42, 1954-55. Mar. 22, 3.47; Oct. 20, 3.69.

York County

11-1-35bb. Wilbur Schlechte. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 283 feet. Highest water level 104.44 below lsd, Apr. 23, 1952; lowest 105.40 below lsd, Oct. 14, 1948. Records available: 1948-55. Feb. 23, 104.64; Nov. 4, 104.97.

11-3-36ab. Mother Jewel Home. Drilled irrigation water-table well in sand of Pleistocene age, diameter 12 inches. Highest water level 65.82 below lsd, Sept. 11, 1952; lowest 68.00 below lsd, June 23, 1948. Records available: 1948-55. Feb. 23, 66.33; Nov. 4, 67.60.

11-4-25bc. Bryce Tracy. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 114 feet. Land-surface datum is 1,709.05 feet above msl. Highest water level 63.08 below lsd, Dec. 28, 1951; lowest 69.37 below lsd, Nov. 4, 1955. Records available: 1948-55. Feb. 23, 66.45; Nov. 4, 69.37.

11-4-31ba. Herman Fenster. Drilled irrigation water-table well in sand of Pleistocene age, diameter 22 inches, depth 140 feet. Land-surface datum is 1,740.05 feet above msl. Highest water level 70.85 below lsd, Apr. 23, 1952; lowest 74.67 below lsd, Nov. 4, 1955. Records available: 1948-55. Feb. 23, 72.95; Nov. 4, 74.67.

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NORTH DAKOTA

By J. E. Powell and C. J. Robinove

Scope of Water-Level Program

Ground-water investigations and the measurement of water levels in observation wells were continued in 1955 in cooperation with the North Dakota State Water Conservation Commission and the North Dakota State Geological Survey. At the end of 1955, water levels were being measured in 89 observation wells, 2 of which were equipped with recording gages. Water levels in 19 wells were measured weekly by local observers. Figures 34-37 show the location of observation wells. Field work was continued in Kidder County in connection with an investigation into the possibilities of ground-water irrigation. Additional field work was done in investigations of ground-water conditions in the vicinities of the cities of Drake, Hankinson, Hettinger, and Westhope.

Precipitation

The average annual precipitation in North Dakota for 1955, as reported by the U. S. Weather Bureau, was 17.02 inches, 0.11 inch below the 1892-1955 average. Departures from average precipitation ranged from -6.09 at Hankinson in southeastern North Dakota to +6.21 at Pembina in northeastern North Dakota. In general, precipitation was above average in the northeastern and central parts of the State and below average in the western and southeastern parts. Precipitation for the State as a whole was below average during January, March, June, August, October, and December. The maximum monthly departures were -0.52 inch in October and +0.71 inch in July.

Interpretation of Water-Level Fluctuations

The average monthly water levels for the State from 1937 through 1955 are shown in the following table. These averages are based on water-level measurements in selected observation wells. The averages for 1955 were computed from records from 10 wells distributed throughout the State. The water level in each of the wells was measured once a week by local observers. Figure 38 is a graphical presentation of the data in the table.

Monthly average water levels, in feet above assumed datum planes, in observation wells in North Dakota, 1937-55

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1937	.....	.....	.....	.....	.....	.....	.....	.....	100.31	100.19	100.13	100.05
1938	99.97	99.93	100.12	100.41	100.68	100.35	99.99	99.61	99.59	99.44	99.51	99.54
1939	99.49	99.38	99.38	99.95	99.98	100.07	99.89	99.62	99.41	99.37	99.34	99.31
1940	99.24	99.14	99.13	99.16	99.43	99.52	99.34	99.24	99.07	98.96	98.95	98.92
1941	98.84	98.74	98.83	99.76	99.97	100.43	100.39	99.89	100.16	100.73	100.64	100.26
1942	100.68	100.41	100.43	101.40	101.45	101.67	101.42	101.48	101.48	101.35	100.98	100.73
1943	100.51	100.44	100.40	101.30	102.09	102.73	102.68	102.19	101.91	101.50	101.37	101.26
1944	100.40	100.24	100.02	100.22	101.52	101.15	101.28	101.37	101.67	101.36	101.55	101.59
1945	101.04	100.96	101.06	101.49	101.74	101.71	101.27	100.95	100.71	100.71	100.70	100.54
1946	100.01	100.24	100.18	100.18	101.55	100.97	100.60	100.36	100.07	100.70	100.84	100.67
1947	100.48	100.49	100.33	100.35	101.74	102.25	102.37	101.93	101.49	101.48	101.57	101.51
1948	101.30	101.01	101.10	102.29	104.63	103.74	103.27	102.65	101.73	101.52	101.47	101.32
1949	101.12	100.84	100.96	103.00	103.88	103.36	102.89	102.45	101.97	101.65	101.96	101.84
1950	101.56	101.23	101.16	101.84	103.86	104.02	103.42	102.88	102.55	102.57	102.30	102.06
1951	101.70	101.49	101.46	103.24	103.85	103.72	103.27	102.75	102.64	102.53	102.32	102.13
1952	101.71	101.37	101.15	102.63	102.97	102.44	101.95	101.35	100.83	100.44	100.26	100.08
1953	99.88	99.67	99.69	99.81	100.75	102.82	104.11	103.48	103.10	102.75	102.69	102.66
1954	102.38	102.33	102.38	102.85	103.05	103.29	102.72	102.74	102.66	102.77	102.56	102.24
1955	101.81	101.40	101.67	102.43	102.98	103.13	103.13	102.60	101.86	101.52	101.13	100.62

As in previous years, water levels were low during the winter, the lowest stages being in February. Water levels declined slightly from January to February, rose gradually until March, then rose rapidly during April and May, owing to recharge from melting snow in conjunction with the thawing of the ground surface. Water levels rose to the highest of the year in June and July, after which they declined steadily until November. At the end of 1955 the average water level was 1.62 feet lower than at the end of 1954.

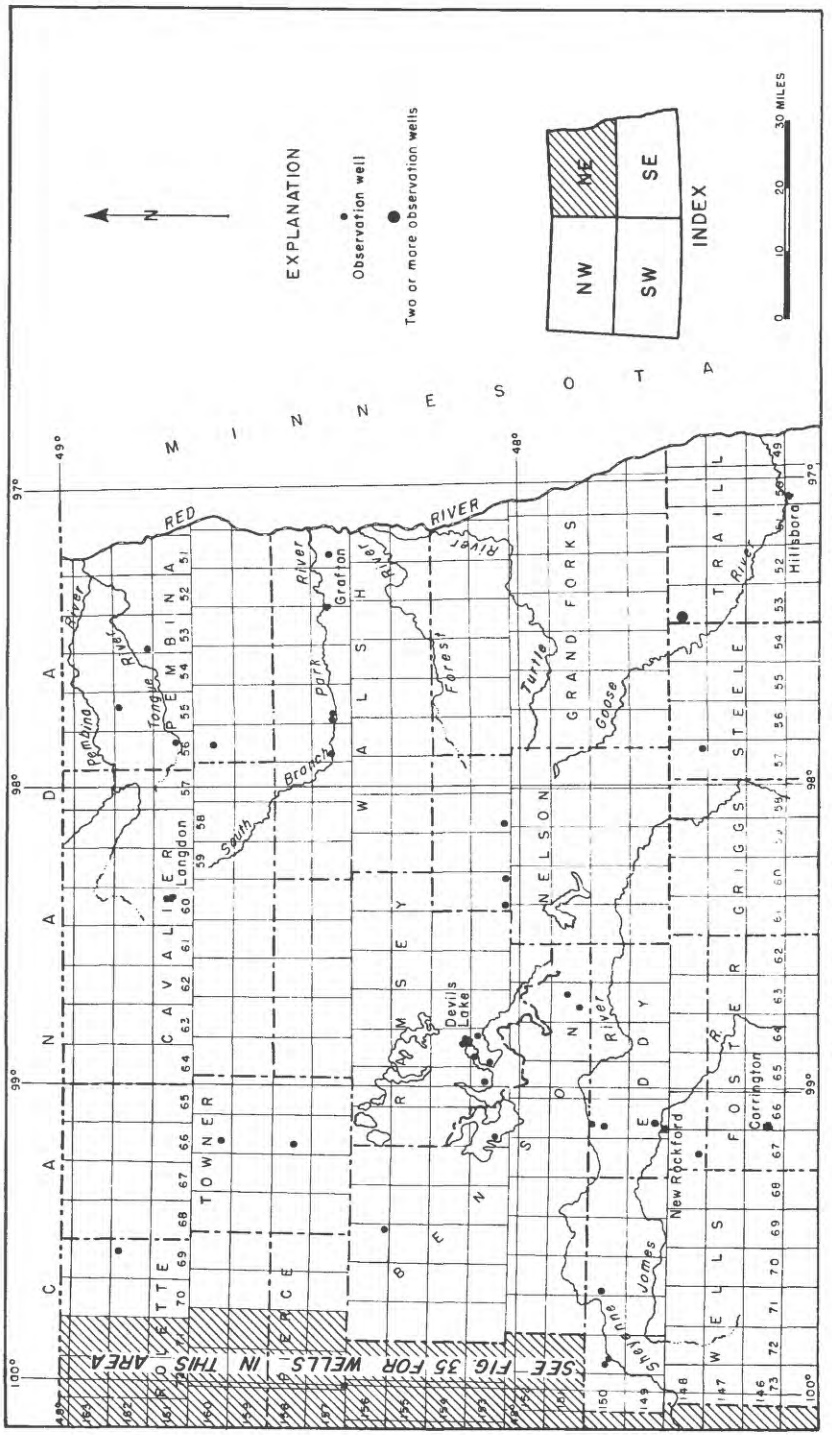

Figure 34.--Location of observation wells in northeastern North Dakota, 1955.

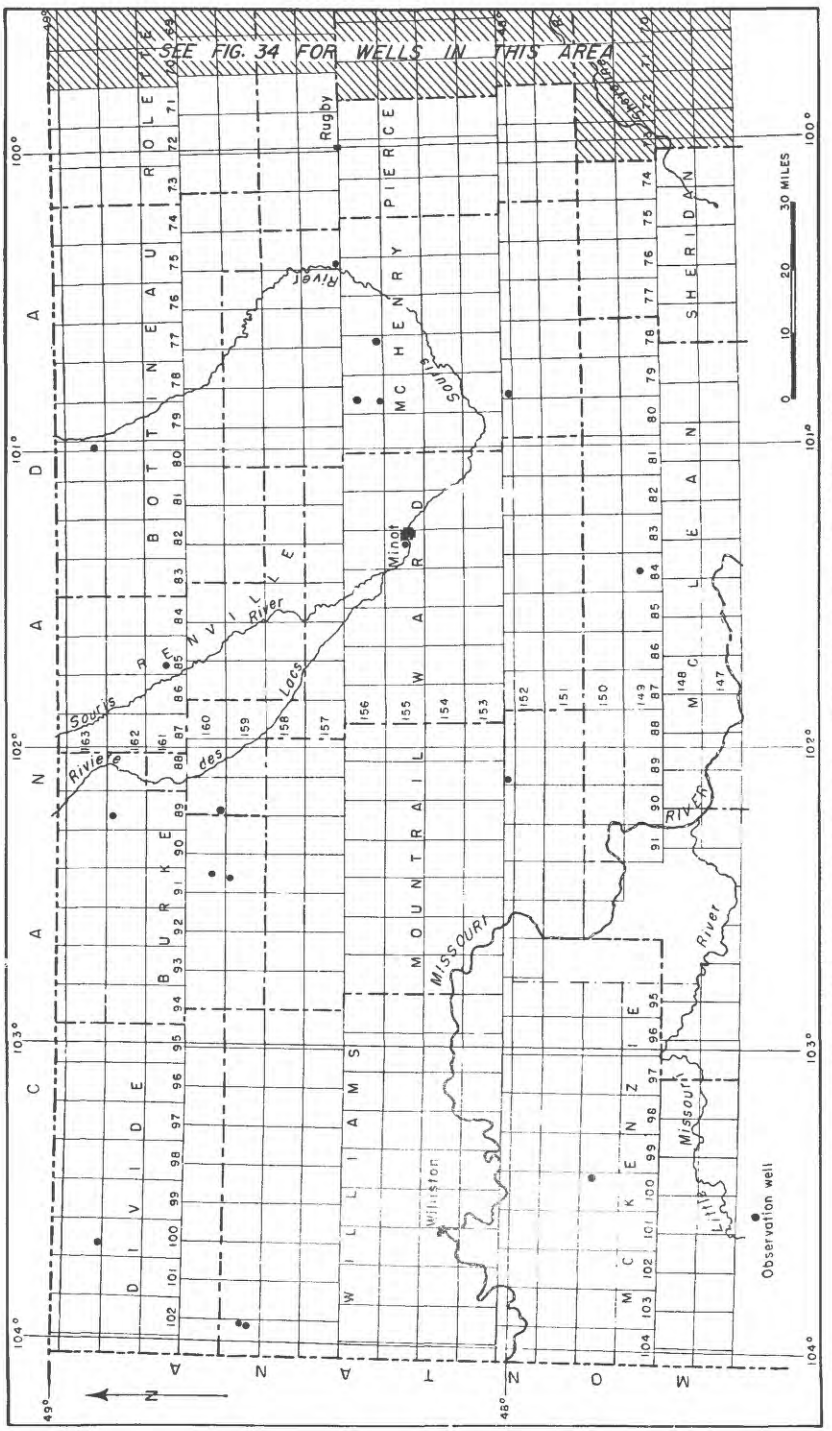

Figure 35.--Location of observation wells in northwestern North Dakota, 1955.

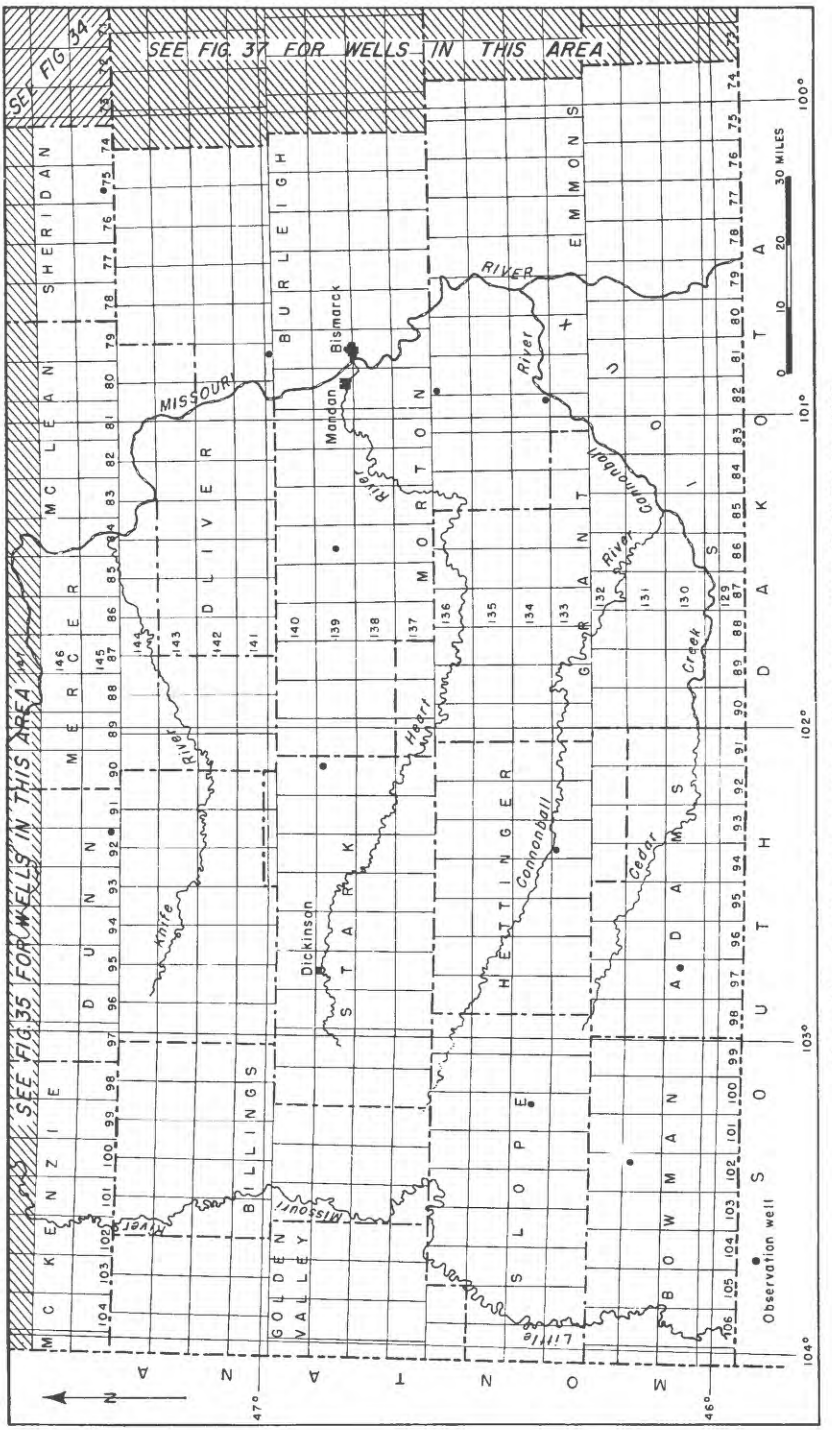

Figure 36.--Location of observation wells in southwestern North Dakota, 1955.

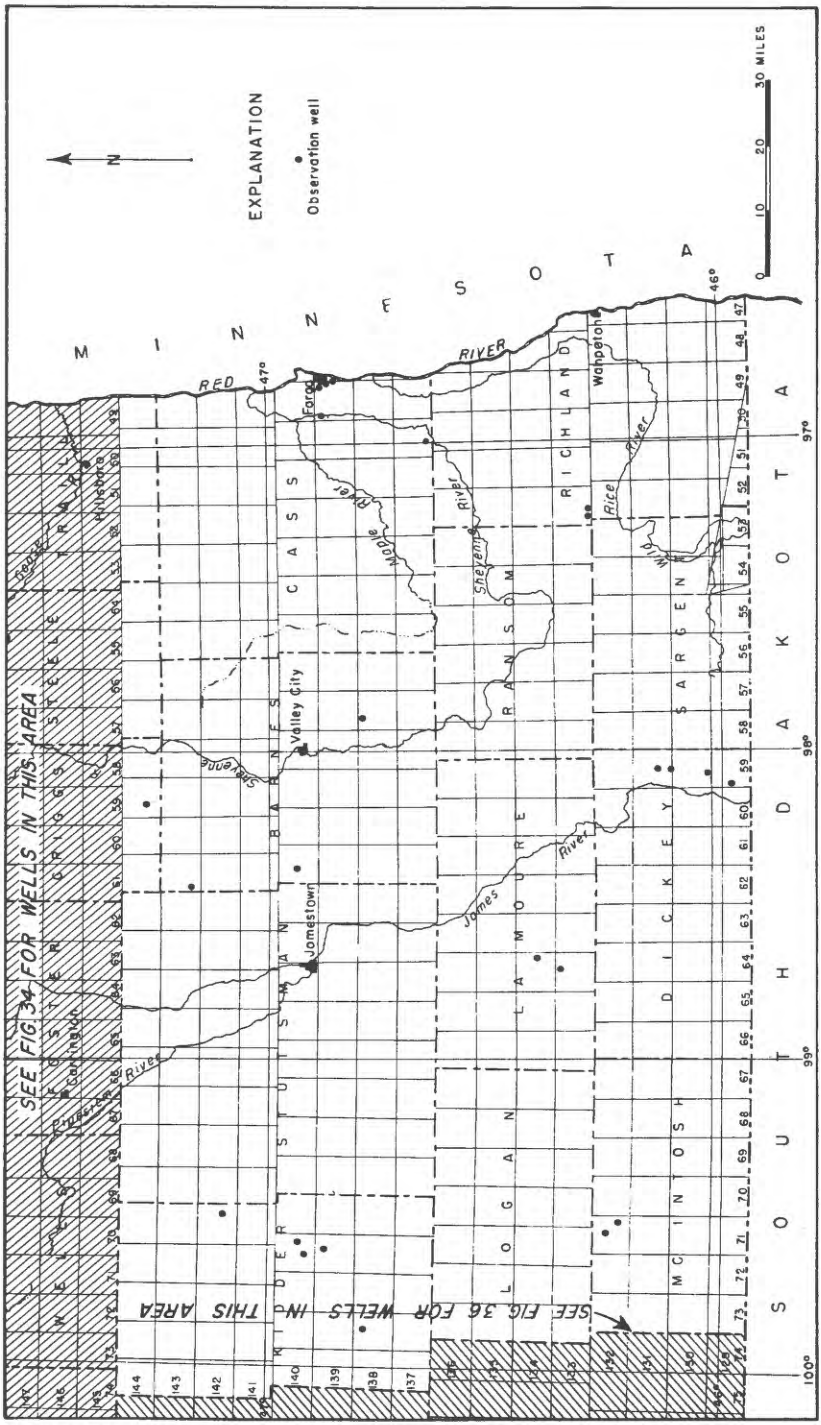

Figure 37.--Location of observation wells in southeastern North Dakota, 1955.

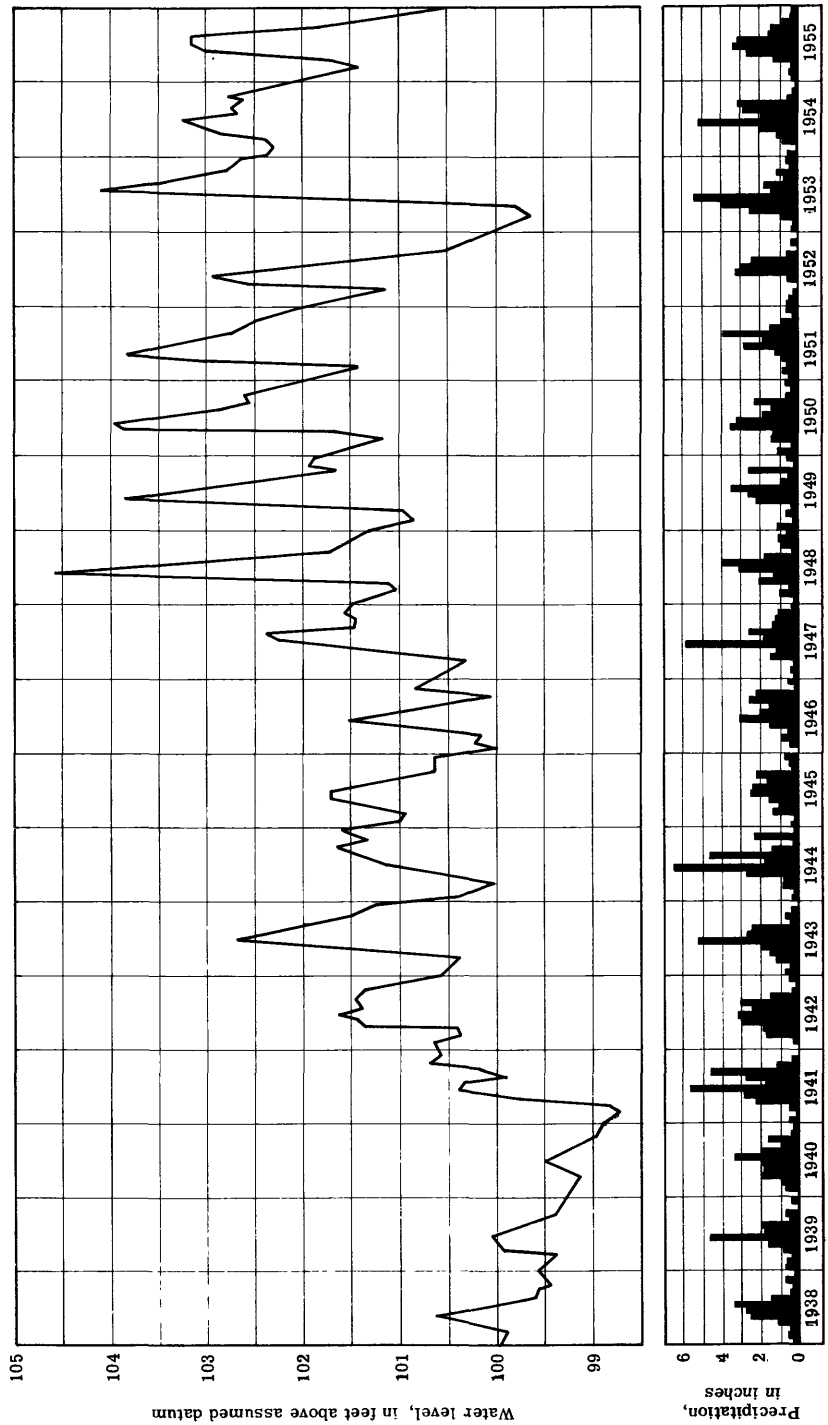

Figure 38. --Monthly average precipitation and water levels in selected wells in North Dakota, 1938-55.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first segment of a well number indicates the township, the second the range, and the third the section in which the well is situated. The first lowercase letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. The letters are assigned in a counterclockwise direction, beginning in the northeast quarter. When there are more wells than one in the smallest tract, numbers are added as suffixes. In North Dakota, the land descriptions are referred to the base line that extends laterally across the middle of Arkansas and to the fifth principal meridian. All townships are north of the base line and all ranges are west of the principal meridian. The well number 138-57-5cb1 designates the first well scheduled in the NW¼SW¼ sec. 5, T. 138 N., R. 57 W. If a second well were scheduled in the same 40-acre tract, it would be designated 138-57-5cb2.

Well Descriptions and Water-Level Measurements

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

Adams County

130-97-14cc1. Mrs. Halverson. Drilled water-table well in Fort Union formation, diameter 4 inches, depth 77 feet. Highest water level 44.34 below lsd, Dec. 4, 1951; lowest 53.59 below lsd, Apr. 16, 1941. Records available: 1940-49, 1951-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	48.03	May 10	48.34	Aug. 19	48.66	Oct. 21	48.38
Feb. 15	48.21	June 7	48.35	Sept. 20	47.00	Nov. 22	48.40
Mar. 31	48.27	July 19	48.52	Oct. 13	48.44	Dec. 20	48.43

Barnes County

138-57-5cb1. H. H. Wilkins. Dug water-table well in glacial drift, diameter 24 inches, depth 51 feet. Highest water level 27.34 below lsd, Nov. 10, 1951; lowest 43.41 below lsd, Aug. 30, 1941. Records available: 1939-47, 1949-54. No measurement made in 1955.

140-61-16dcc. L. A. Flynn. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 51 feet. Highest water level 36.05 below lsd, Apr. 28, 1954; lowest 37.02 below lsd, May 8, 1953. Records available: 1953-55. Apr. 19, 36.42; Oct. 11, 36.37.

143-61-30ccc1. U. S. Geol. Survey. Drilled unused water-table well in glacial sand and gravel, diameter 1¼ inches, depth 66 feet, sandpoint in bottom. Highest water level 15.29 below lsd, May 24, 1950; lowest 35.56 below lsd, Apr. 22, 1953. Records available: 1950, 1952-55. Apr. 19, 30.50; Oct. 11, 34.32.

Benson County

151-63-14aaa. R. L. Schlieve. U. S. Geol. Survey. Drilled unused water-table well in glacial outwash sand and gravel, diameter 1½ inches, depth 40 feet, sandpoint in bottom. Highest water level 17.58 below lsd, Oct. 11, 1950; lowest 21.89 below lsd, May 5, 1955. Records available: 1950-55.

Jan. 8	20.78	Mar. 1	20.68	Apr. 22	19.76	May 19	21.78
20	20.80	13	20.72	24	19.79	July 1	20.90
Feb. 5	20.70	22	20.80	May 5	21.89	16	20.90
14	20.66	Apr. 1	20.74	12	21.80	23	20.90
21	20.68	5	20.74				

151-63-29acc. U. S. Geol. Survey. Drilled unused water-table well in glacial outwash sand and gravel, diameter 6 inches, depth 67 feet. Highest water level 15.86 below lsd, Aug. 18, 1951; lowest 17.28 below lsd, Feb. 10-11, 1954. Records available: 1951-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.17	17.23	.....	.....	17.02	17.01	16.88	16.81	16.84	16.92	17.02	17.12
2	17.17	17.24	.....	.....	17.02	17.01	16.90	16.80	16.83	16.93	17.05	17.11
3	17.18	17.25	.....	.....	17.00	17.01	16.90	16.80	16.83	16.93	17.05	17.11
4	17.16	17.24	.....	.....	17.03	16.99	16.89	16.81	16.84	16.93	17.03	17.12
5	17.18	17.22	.....	.....	17.04	16.99	16.89	16.81	16.84	16.90	17.04	17.12
6	17.18	17.23	.....	.....	17.01	17.00	16.87	16.81	16.85	16.92	17.05	17.10
7	17.18	17.21	.....	.....	17.04	17.01	16.86	16.81	16.85	16.93	17.06	17.14
8	17.18	17.21	.....	.....	17.05	17.01	16.87	16.80	16.85	16.91	17.06	17.14
9	17.19	17.25	.....	.....	17.02	17.01	16.88	16.79	16.84	16.92	17.00	17.14
10	17.19	.....	.....	.....	17.02	17.01	16.88	16.80	16.83	16.91	17.00	.....

151-63-29acc--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	17.18	.....	.....	.....	17.02	17.01	16.86	16.80	16.85	16.93	17.05	.....
12	17.20	.....	.....	17.02	17.02	17.00	16.85	16.80	16.86	16.93	17.07	.....
13	17.18	.....	.....	17.03	17.01	17.00	16.85	16.78	16.86	16.95	17.08	.....
14	17.16	.....	.....	17.02	17.01	16.99	18.84	16.79	16.85	16.95	17.08	.....
15	17.19	.....	.....	17.01	17.01	16.99	16.84	16.80	16.85	16.95	17.05	.....
16	17.20	.....	.....	17.01	17.03	16.95	16.83	16.80	16.85	16.97	17.07	.....
17	17.21	.....	.....	17.01	17.03	16.95	16.83	16.79	16.85	16.97	17.08	.....
18	17.21	.....	.....	17.00	17.01	16.95	16.83	16.79	16.85	16.96	17.08	.....
19	17.21	.....	.....	17.00	17.01	16.95	16.83	16.79	16.87	16.98	17.09	.....
20	17.19	.....	.....	17.00	17.01	16.95	16.82	16.79	16.88	17.00	17.09	.....
21	17.18	.....	.....	17.03	17.01	16.95	16.82	16.81	16.88	17.01	17.09	.....
22	17.20	.....	.....	17.03	17.00	16.95	16.82	16.82	16.87	17.00	17.08	.....
23	17.20	.....	.....	17.02	17.01	16.93	16.82	16.82	16.88	17.01	17.10	.....
24	17.20	.....	.....	17.03	17.01	16.93	16.82	16.80	16.89	17.01	17.10	.....
25	17.22	.....	.....	17.03	17.01	16.93	16.80	16.81	16.91	16.98	17.10	.....
26	17.23	.....	.....	17.03	17.01	16.93	16.81	16.81	16.93	16.98	17.08	.....
27	17.23	.....	.....	17.01	16.99	16.92	16.82	16.82	16.93	17.00	17.10	.....
28	17.23	.....	.....	17.05	17.02	16.90	16.81	16.81	16.90	17.02	17.12	.....
29	17.22		.....	17.05	17.02	16.90	16.80	16.81	16.89	17.02	17.12	.....
30	17.21		.....	17.04	17.02	16.88	16.80	16.84	16.88	17.02	17.12	.....
31	17.22		.....		17.01		16.81	16.84		17.00	17.00	.....

153-66-21aab. U. S. Geol. Survey. Drilled unused water-table well in glacial sand and gravel, diameter 6 inches, depth 103 feet, casing slotted 83-103. Highest water level 0.68 below lsd, Apr. 13, 1955; lowest 5.61 below lsd, Apr. 28, 1953. Records available: 1950-55. Apr. 13, 0.68; Oct. 18, 1.82.

156-69-36ca1. H. Biltingsrud. Drilled water-table well in glacial drift, diameter 36 inches, depth 29 feet. Highest water level 8.27 below lsd, May 24, 1950; lowest 21.60 below lsd, Nov. 3, 1951. Records available: 1940-53. No measurement made in 1955.

Bottineau County

163-80-25ccb. City of Westhope. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 145 feet. Highest water level 94.82 below lsd, Oct. 15, 1953; lowest 106.10 below lsd, June 13, 1955. Records available: 1953-55. Apr. 13, 102.09; June 13, 106.10; Oct. 19, 100.58.

Bowman County

131-102-11ca1. City of Bowman. Drilled unused water-table well in Fort Union formation, diameter 8 inches, depth 69 feet. Highest water level 16.53 below lsd, June 9, 1952; lowest 24.88 below lsd, Sept. 19, 1955. Records available: 1938-42, 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	18.48	May 9	18.71	Aug. 16	20.02	Nov. 21	20.07
Feb. 15	18.54	June 7	18.74	Sept. 19	24.88	Dec. 20	20.19
Mar. 31	18.63	July 19	18.75	Oct. 17	20.34		

Burke County

159-91-4dd1. U. S. Fish and Wildlife Service. Jetted unused artesian well, diameter 2 inches, depth 200 feet. Highest water level 74.46 below lsd, Nov. 18, 1953; lowest 77.89 below lsd, Nov. 23, 1940. Records available: 1940-46, 1949-50, 1952-53. No measurement made in 1955.

160-91-21cd1. U. S. Fish and Wildlife Service. Jetted unused artesian well, diameter 2 inches, depth 90 feet. Highest water level 55.78 below lsd, Sept. 29, 1954; lowest 59.05 below lsd, Sept. 10, 1949. Records available: 1940-47, 1949-50, 1952-54. No measurement made in 1955.

162-89-5dd1. C. B. Cron. Drilled unused well, diameter 3 inches, depth 394 feet. Highest water level 65.95 below lsd, Oct. 19, 1955; lowest 70.60 below lsd, Sept. 30, 1946. Records available: 1937-55. Apr. 14, 70.03; Oct. 19, 65.95.

Burleigh County

141-80-35cc1. Celia DeLong. Dug well, size 36 by 36 inches, depth 19 feet. Highest water level 13.22 below lsd, Nov. 25, 1950; lowest 15.85 below lsd, Sept. 13, 1948. Records available: 1940-46, 1948-55. Apr. 21, 13.60; Oct. 25, 14.50.

Cass County

137-50-29dda5. City of Kindred. Drilled water-table well in deposits of glacial Lake Agassiz, diameter 16 inches, depth 35 feet. Highest water level 2.68 below lsd, Apr. 11, 1952; lowest 9.70 below lsd, Oct. 29, 1948. Records available: 1948-52, 1954-55. Oct. 21, 7.98.

139-48-6ccd1. The Pierce Co. 1019 First Ave. North, Fargo. Drilled unused artesian well, diameter 6 inches, depth 403 feet. Granite reached at 280, glacial drift aquifer at 180. Highest water level 28.01 below lsd, July 3, 1940; lowest 42.39 below lsd, Oct. 3, 1941. Records available: 1940-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	35.37	35.31	35.13	35.08	35.16	35.30	35.43	35.70	36.07	36.16	36.08	36.10
2	35.38	35.32	35.10	35.07	35.16	35.30	35.43	.....	36.07	36.18	36.10	36.06
3	35.41	35.35	35.10	35.07	35.14	35.29	35.45	35.70	36.06	36.18	36.12	36.05
4	35.41	35.35	35.11	35.06	35.15	35.29	35.45	35.73	36.08	36.17	36.13	36.05
5	35.41	35.33	35.12	35.06	35.17	35.29	.....	35.76	36.09	36.15	36.12	36.04
6	35.41	35.29	35.12	35.08	35.17	35.29	35.51	35.77	36.11	36.11	36.11	36.03
7	35.42	35.29	35.12	35.10	35.18	35.30	.....	35.80	36.11	36.13	36.14	35.99
8	35.38	35.26	35.09	35.10	35.20	35.31	.....	35.80	36.11	36.13	36.14	36.00
9	35.38	35.25	35.06	35.09	35.20	35.31	.....	35.79	36.11	36.13	36.17	36.02
10	35.39	35.28	35.05	35.09	35.21	35.31	.....	35.81	36.11	36.13	36.15	36.03
11	35.39	35.30	35.04	35.08	35.22	35.32	35.51	35.82	36.11	36.10	36.10	36.04
12	35.38	35.31	35.05	35.08	35.22	35.32	35.52	35.82	36.12	.....	36.10	36.03
13	35.38	35.31	35.05	35.09	35.23	35.33	35.52	35.82	36.11	.....	36.17	35.99
14	35.36	35.29	35.08	35.10	35.24	.....	35.49	35.83	36.10	.....	36.18	35.96
15	35.33	35.26	35.10	35.10	35.25	.....	35.49	35.83	36.10	.....	36.18	35.96
16	35.35	35.26	35.12	35.12	35.26	.....	35.51	35.85	36.09	.....	36.15	35.96
17	35.35	35.26	35.12	35.13	.....	.....	35.53	35.85	36.09	.....	36.15	35.91
18	35.36	35.24	35.11	35.13	35.28	.....	35.54	35.85	36.11	36.13	36.15	35.93
19	35.36	35.24	35.08	35.12	35.28	.....	35.57	35.86	36.12	36.13	36.15	35.96
20	35.36	35.24	35.10	35.10	35.29	35.39	35.58	35.86	36.14	36.12	36.15	35.95
21	35.33	35.16	35.10	35.08	35.29	35.40	35.58	35.91	36.15	36.13	36.13	35.95
22	35.30	35.16	35.09	35.11	35.28	35.41	35.57	35.91	36.16	36.13	36.08	35.94
23	35.29	35.18	35.06	35.11	35.29	35.41	35.60	35.93	36.17	36.12	36.08	35.90
24	35.29	35.20	35.07	35.12	35.31	35.41	35.61	35.94	36.18	36.12	36.09	35.84
25	35.30	35.20	35.07	35.13	35.32	35.43	35.61	35.96	36.20	36.12	36.10	35.80
26	35.32	35.17	35.09	35.14	35.32	35.44	35.61	35.97	36.23	36.08	36.10	35.85
27	35.32	35.17	35.10	35.13	35.30	35.44	35.63	35.98	36.21	36.07	36.08	35.86
28	35.32	35.17	35.10	35.13	35.26	35.44	35.63	35.99	36.17	36.05	36.08	35.88
29	35.31		35.08	35.16	35.28	35.43	35.63	36.00	36.15	36.06	36.10	35.86
30	35.31		35.08	35.16	35.29	35.43	35.63	36.02	36.15	36.06	36.11	35.90
31	35.30		35.07		35.30		35.65	36.05		36.07		35.90

139-48-7acb1. City of Fargo. Island Park. Drilled unused artesian well in glacial drift, diameter 10 inches, depth 228 feet. Highest water level 36.68 below lsd, July 1. 1940; lowest 43.75 below lsd, June 10, 1948. Records available: 1940-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	42.53	Apr. 3	42.27	July 2	42.53	Oct. 3	42.74
9	42.54	10	42.38	10	42.45	9	42.72
16	42.55	18	42.40	16	42.36	17	42.60
23	42.47	24	42.40	25	42.40	22	42.74
30	42.51	May 1	42.40	Aug. 1	42.50	28	42.73
Feb. 6	42.51	8	42.44	8	42.50	Nov. 5	42.74
13	42.51	16	42.54	15	42.60	15	42.73
21	42.52	21	42.52	22	42.66	22	42.68
27	42.42	29	42.47	28	42.62	28	42.76
Mar. 6	42.42	June 5	42.39	Sept. 5	42.70	Dec. 5	42.70
13	42.35	13	42.45	11	42.75	13	42.70
21	42.38	21	42.46	19	42.75	18	42.72
27	42.41	26	42.56	26	42.84	28	42.60

139-49-1cc1. City of Fargo. Drilled unused artesian well in glacial drift, diameter 2 inches, depth 198 feet. Highest water level 14.61 below lsd, July 16, 1955; lowest 61.26 below lsd, Oct. 3, 1955. Records available: 1954-55. Influenced by pumping of nearby city supply well. Erroneously reported as 139-40-1caa in 1954.

139-49-1cc1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	56.10	Apr. 3	54.35	July 2	56.13	Oct. 3	61.26
9	55.94	10	54.49	10	18.61	9	60.35
16	55.71	17	54.73	16	14.61	17	60.12
23	55.45	24	54.85	25	36.74	22	59.90
30	55.19	May 1	54.93	Aug. 1	45.91	28	59.89
Feb. 6	55.01	8	55.22	8	51.64	Nov. 5	60.15
13	54.95	16	55.96	15	55.25	15	59.99
21	54.81	21	56.60	22	56.83	22	59.72
27	54.72	29	56.75	28	58.59	28	59.45
Mar. 6	54.55	June 5	52.73	Sept. 5	59.82	Dec. 5	59.04
13	54.41	13	54.08	11	60.35	13	58.67
21	54.39	21	54.78	19	60.85	18	58.47
27	54.38	26	55.64	26	60.95	28	57.99

139-49-6ad1. Union Stockyards. Drilled unused artesian well in glacial drift, diameter 8 inches, depth 230 feet. Highest water level 24.90 below lsd, May 7, 1938; lowest 81.06 below lsd, Sept. 26, 1955. Records available: 1938-55.

Jan. 2	75.56	Mar. 21	75.61	June 5	78.09	Oct. 22	79.65
9	75.34	27	75.62	July 2	75.92	28	79.32
16	75.29	Apr. 3	75.70	Aug. 28	77.05	Nov. 5	78.78
23	75.26	10	75.72	Sept. 5	76.14	15	78.64
30	75.53	17	75.74	11	78.45	22	78.61
Feb. 6	75.83	24	75.68	19	80.07	28	78.57
13	75.92	May 1	75.60	26	81.06	Dec. 5	79.30
21	75.78	8	75.50	Oct. 2	79.82	12	79.82
27	75.72	16	75.37	9	79.83	18	79.76
Mar. 6	75.62	21	75.20	17	79.89	28	79.58
13	75.52						

Cavalier County

161-60-14da1. City of Langdon. Dug water-table well in glacial drift, depth 27 feet. Highest water level 1.29 below lsd, May 22, 1948; lowest 14.13 below lsd, July 13, 1940. Records available: 1937-55.

Jan. 1	4.73	Mar. 26	8.47	June 18	2.55	Oct. 15	5.56
8	5.15	Apr. 2	8.48	25	3.28	22	5.64
15	5.54	9	7.58	Aug. 6	4.07	29	5.88
22	5.73	16	6.80	13	4.67	Nov. 5	5.96
29	6.28	23	5.24	20	4.93	12	6.04
Feb. 5	6.60	30	4.74	27	5.33	19	6.13
12	6.93	May 7	2.99	Sept. 3	5.71	26	6.20
19	7.20	14	3.08	10	6.14	Dec. 3	6.46
26	7.45	22	3.20	17	6.42	10	6.73
Mar. 5	7.68	29	2.58	24	6.04	17	6.90
12	7.95	June 4	1.98	Oct. 1	5.88	24	7.12
19	8.21	11	1.81	8	5.52	31	7.34

Dickey County

129-59-7ba1. D. C. Botts. Driven water-table well in deposits of glacial Lake Dakota, diameter 1½ inches, depth 18 feet. Highest water level 4.84 below lsd, May 5, 1945; lowest 13.39 below lsd, Sept. 2, 1940. Records available: 1940-49, 1951-54. Measurement discontinued.

130-59-33ddd. U. S. Bureau of Reclamation. Drilled water-table well in deposits of glacial Lake Dakota, diameter 4 inches, depth 15 feet. Records available: 1955. Oct. 27, 6.28.

131-59-28ba1. City of Oakes. Driven water-tabie well in deposits of glacial Lake Dakota, diameter 1¼ inches, depth 24 feet. Highest water level 6.60 below lsd, May 17, 1948; lowest 10.71 below lsd, Jan. 2, 1940. Records available: 1940-55.

Jan. 3	9.46	Apr. 4	9.40	July 5	9.68	Oct. 3	9.96
10	9.48	11	9.38	11	9.65	10	9.97
17	9.50	18	9.36	18	9.68	17	10.00
24	9.50	25	9.30	25	9.74	24	9.98
31	9.46	May 2	9.37	Aug. 1	9.77	31	9.95
Feb. 7	9.47	9	9.40	8	9.74	Nov. 8	9.99
14	9.50	16	9.50	15	9.82	14	9.96
22	9.52	23	9.58	22	9.84	21	9.93
28	9.53	30	9.50	29	9.86	29	9.94
Mar. 7	9.46	June 6	9.50	Sept. 5	9.90	Dec. 5	9.96
14	9.45	13	9.46	12	9.95	12	9.94
21	9.44	20	9.54	19	10.00	20	9.93
28	9.42	27	9.62	26	9.98	27	9.95

131-59-33cc1. Lynus Sitts, Jr. Driven water-table well in deposits of glacial Lake Dakota, diameter 1¼ inches, depth 15 feet. Highest water level 5.48 below lsd, May 5, 1945; lowest 12.58 below lsd, Sept. 7, 1940. Records available: 1940-50, 1952-55. Apr. 19, 9.03; Oct. 27, 9.89.

Divide County

163-100-34aa1. A. U. Anderson. Drilled unused water-table well in glacial drift, diameter 22 inches, depth 23 feet. Highest water level 9.43 below lsd, Apr. 14, 1955; lowest 16.68 below lsd, Oct. 25, 1941. Records available: 1940-46, 1949, 1951-55. Apr. 14, 9.43.

Dunn County

145-92-25ad1. S. F. Lesmeister. Dug water-table well in Fort Union formation, diameter 4 feet, depth 17 feet. Highest water level 4.50 below lsd, June 11, 1943; lowest 11.97 below lsd, Oct. 1, 1947. Records available: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	9.32	May 20	8.73	Aug. 5	9.60	Oct. 21	9.50
14	9.05	27	8.63	12	10.50	28	9.90
21	8.99	June 3	8.05	19	9.90	Nov. 4	9.50
28	9.05	10	7.69	26	10.00	11	9.80
Feb. 4	9.30	17	7.42	Sept. 2	10.40	18	9.20
11	9.25	24	7.90	9	10.00	25	9.50
18	9.32	July 1	8.00	16	10.00	Dec. 2	9.60
25	9.26	8	8.20	23	9.80	9	9.80
Mar. 4	9.25	15	8.70	30	9.50	16	9.50
11	9.30	22	9.70	Oct. 7	9.80	23	9.70
18	9.45	29	9.00	14	9.50	30	9.30
25	9.22						

Eddy County

148-67-28da. Pfau Estate. Drilled flowing well, diameter 5 inches, depth 43 feet. Records available: 1940-50, 1955. Apr. 22, flow 6 gpm (gallons per minute).

149-66-28bbb. Oscar Holton. Dug unused water-table well in glacial drift, diameter 30 inches, depth 8 feet. Highest water level 1.83 below lsd, Apr. 22, 1955; lowest 5.25 below lsd, Nov. 13, 1953. Records available: 1953-55. Apr. 22, 1.83; Oct. 28, 3.86.

150-66-9ba1. Elmer Moe. Dug water-table well in glacial drift, diameter 24 inches, depth 23 feet. Highest water level 17.48 below lsd, May 27, 1950; lowest 22.73 below lsd, Aug. 3, 1939. Records available: 1936, 1938-46, 1948-55. Apr. 20, 18.68; Oct. 12, 20.10.

150-66-9cd1. L. S. Rude. Dug water-table well in glacial drift, diameter 24 inches, depth 12 feet. Highest water level 6.99 below lsd, May 27, 1950; lowest 11.70 below lsd, Mar. 28, 1935. Records available: 1935-36, 1938-55. Apr. 20, 7.32; Oct. 22, 8.87.

Griggs County

144-59-20bc1. Griffith Loan & Investment Co. Drilled unused water-table well in glacial drift, diameter 5 inches, depth 51 feet. Highest water level 15.68 below lsd, Oct. 20, 1951; lowest 27.95 below lsd, Apr. 6, 1941. Records available: 1940-55. Apr. 19, 19.91; Oct. 11, 19.12.

Hettinger County

133-93-5bd1. L. F. Everhart. Drilled unused water-table well in Fort Union formation, diameter 6 inches, depth 50 feet. Highest water level 45.72 below lsd, Dec. 12, 1951; lowest 52.61 below lsd, Feb. 15, 1955. Records available: 1938-42, 1946-55.

Jan. 12	50.11	May 12	47.80	Aug. 30	46.54	Nov. 28	48.73
Feb. 15	52.61	June 6	46.38	Sept. 21	45.27	Dec. 28	46.30
Apr. 13	47.58	July 15	47.02	Oct. 21	49.01		

Kidder County

138-73-9cc1. Herman Peterson. Drilled unused well, diameter 2½ inches, depth 120 feet. Highest water level 5.57 below lsd, Oct. 26, 1948; lowest 8.97 below lsd, June 7, 1949. Records available: 1937-55. Apr. 20, 7.76; Oct. 27, 7.75.

139-71-10bc1. Village of Tappen. Dug water-table well in glacial drift, diameter 8 feet, depth 15 feet. Highest water level 3.69 below lsd, May 26, 1950; lowest 12.46 below lsd, Feb. 1, 1941. Records available: 1940-55. Apr. 20, 7.26; Oct. 27, 7.99.

140-71-23ccb. U. S. Geol. Survey. Drilled water-table well in glacial drift, diameter 8 inches, depth 240 feet, cased to 70, perforations 30-70. Records available: 1955. Apr. 20, 39.87; Oct. 27, 40.49.

140-71-28bba. U. S. Geol. Survey. Drilled water-table well in glacial drift, diameter 8 inches, depth 90 feet, cased to 60, perforated. Records available: 1955. Oct. 2, 13.56.

142-70-23ab1. Mrs. Fagereng. Drilled water-table well in glacial drift, diameter 18 to 12 inches. Highest water level 13.98 below lsd, June 16, 1948; lowest 23.93 below lsd, July 26, 1940. Records available: 1940-55. Apr. 22, 17.63; Oct. 24, 18.52.

La Moure County

133-64-3bc1. City of Edgeley. Drilled unused water-table well in Pierre shale, diameter 6 inches, depth 92 feet. Highest water level 20.57 below lsd, Apr. 9, 1955; lowest 28.05 below lsd, Aug. 29, 1946. Records available: 1940-55. Apr. 19, 20.57; Oct. 27, 22.31.

134-64-24d. Mrs. Fidelia Davis. Drilled unused artesian well in Dakota sandstone, diameter 4 to $1\frac{1}{4}$ inches, depth 1,265 feet. Highest water level 1.39 above lsd, Oct. 27, 1955; lowest 3.26 below lsd, Feb. 18, 1938. Records available: 1937, 1950, 1955. Apr. 19, -0.62; Oct. 27, +1.39.

McHenry County

152-79-6bc1. Minneapolis, St. Paul & Sault Ste. Marie RR. Dug water-table well in glacial drift, diameter 10 feet, depth 23 feet. Highest water level 9.22 below lsd, Sept. 30, 1954; lowest 22.86 below lsd, Nov. 10, 1940. Records available: 1940-48, 1950-55. Apr. 15, 10.68; Oct. 19, 11.50.

156-78-36bc1. Denbigh Forest Experimental Station well 1. U. S. Forest Service. Dug unused water-table well in deposits of glacial Lake Souris, size 4 by 4 feet, depth 12 feet. Highest water level 1.29 below lsd, Apr. 15, 1955; lowest 8.18 below lsd, Nov. 15, 1940. Records available: 1932-41, 1943-55. Apr. 15, 1.29; Oct. 25, 4.68.

156-79-10aad. U. S. Geol. Survey. Drilled unused water-table well in glacial drift, diameter 4 inches, depth 121 feet. Highest water level 1.35 above lsd, May 3, 1947; lowest 7.80 below lsd, July 16, 1947. Records available: 1947, 1949, 1952-55. Apr. 15, +0.07; Oct. 25, -1.34.

156-79-33dc1. Harold H. Sullwold. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 38 feet. Highest water level 4.68 below lsd, May 24, 1950; lowest 14.62 below lsd, Nov. 11, 1940. Records available: 1940-55. Apr. 15, 6.45; Oct. 25, 8.24.

157-75-31dc1. U. S. Forest Service. Dug water-table well in glacial drift, diameter 12 inches, depth 12 feet. Highest water level 2.11 below lsd, June 23, 1943; lowest 8.08 below lsd, Aug. 1, 1940. Records available: 1940-50, 1952-55. Apr. 15, 2.70; Oct. 25, 3.22.

McIntosh County

132-71-15aa1. City of Wishek. Dug water-table well in glacial drift, diameter 6 feet, depth 27 feet. Highest water level 19.09 below lsd, Oct. 7, 1944; lowest 25.03 below lsd, Sept. 15, 1948. Records available: 1940-46, 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	23.59	Apr. 4	23.69	July 5	23.60	Sept. 26	23.67
10	23.89	11	23.67	11	23.36	Oct. 3	23.63
17	23.62	19	23.77	19	23.49	10	23.67
24	23.74	26	23.66	25	23.84	17	23.71
31	24.33	May 3	23.76	Aug. 2	23.80	24	23.78
Feb. 7	24.24	9	24.26	8	23.80	31	23.69
15	23.90	17	24.53	15	23.87	Nov. 7	23.87
22	24.60	23	24.28	22	23.79	14	23.79
28	23.78	June 1	23.77	29	23.86	Dec. 5	23.84
Mar. 7	23.80	6	23.69	Sept. 5	24.24	12	23.67
15	23.83	13	23.79	12	24.03	19	23.73
23	23.76	21	23.94	19	23.90	26	23.75
29	23.81	27	23.86				

132-71-24ad1. Federal Land Bank. Driven water-table well in glacial drift, diameter $1\frac{1}{2}$ inches, depth 14 feet. Highest water level 2.09 below lsd, Oct. 27, 1951; lowest 11.01 below lsd, Nov. 23, 1940. Records available: 1940-52, 1954: No measurement made in 1955.

McKenzie County

150-100-12cc1. Chas. E. Fleck. Drilled water-table well in Fort Union formation, diame-6 inches, depth 138 feet. Highest water level 112.00 below lsd, Oct. 8, 1955; lowest 114.94 below lsd, Mar. 31, 1945. Records available: 1938-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	113.15	Apr. 9	112.86	July 9	112.96	Oct. 8	112.00
8	112.98	16	113.00	16	112.78	15	113.90
15	112.98	23	112.96	23	112.89	22	112.86
22	113.07	30	112.99	30	112.87	29	112.96
29	112.93	May 7	113.10	Aug. 6	112.97	Nov. 5	113.15
Feb. 5	112.67	14	112.85	13	112.71	12	112.95
12	112.65	21	112.65	20	112.85	19	112.55
19	112.93	28	112.65	27	112.83	26	112.97
Mar. 5	112.65	June 4	112.87	Sept. 3	112.80	Dec. 3	112.85
12	113.11	11	112.83	10	112.99	10	112.89
19	113.21	18	112.85	17	113.00	17	112.35
26	113.10	25	112.85	28	112.99	24	113.30
Apr. 2	112.60	July 2	112.95	Oct. 1	112.97	31	112.47

McLean County

149-84-15bc1. T. A. Welsh. Drilled unused water-table well in Fort Union formation, diameter 6 inches, depth 62 feet. Highest water level 40.66 below lsd, June 25, 1951; lowest 47.43 below lsd, Mar. 22, 1941. Records available: 1937-49, 1951-55. Apr. 21, 42.17; Oct. 25, 42.70.

Morton County

134-82-36cb. Albrecht & Johnson. Dug unused water-table well in Fort Union formation, diameter 16 inches, depth 20 feet. Highest water level 14.57 below lsd, May 24, 1943; lowest 18.04 below lsd, Apr. 15, 1941. Records available: 1941-47, 1949, 1953-55. Apr. 20, 16.04.

136-81-6dc1. Joe Lanz, Jr. Drilled water-table well in Hell Creek formation, diameter 24 inches, depth 67 feet. Highest water level 20.14 below lsd, July 10, 1950; lowest 25.23 below lsd, Apr. 15, 1941. Records available: 1941-55. Apr. 20, 21.65; Oct. 26, 21.76.

139-85-15cc1. Fred Lehde. Drilled unused water-table well in Hell Creek formation, diameter 24 to 16 inches, depth 72 feet. Highest water level 28.97 below lsd, Apr. 7, 1951; lowest 71.54 below lsd, Aug. 21, 1955. Records available: 1941-55.

Jan. 2	38.44	Mar. 28	35.67	June 25	45.37	Sept. 25	65.13
13	38.87	Apr. 2	36.29	July 8	34.06	Oct. 2	68.69
19	39.11	9	37.16	12	32.58	8	71.24
22	39.20	17	37.49	17	33.07	15	67.96
26	39.34	25	37.64	25	32.75	24	64.88
Feb. 1	39.44	May 1	37.80	31	32.79	30	64.87
6	39.69	9	38.53	Aug. 7	32.88	Nov. 10	61.97
12	39.84	15	64.76	12	33.07	23	55.50
19	40.09	21	64.02	21	71.54	Dec. 6	55.50
26	40.30	28	63.39	28	70.46	11	49.92
Mar. 7	40.60	June 4	49.92	Sept. 12	67.49	18	48.38
14	31.71	11	37.92	18	69.00	31	45.89
22	34.52	18	55.28				

Mountrail County

152-89-6aa1. Emil Molter. Drilled unused water-table well, diameter 24 inches, depth 64 feet. Highest water level 41.22 below lsd, July 14, 1951; lowest 48.28 below lsd, July 10, 1944. Records available: 1938-47, 1949, 1951-52, 1954. No measurement made in 1955.

Nelson County

153-58-32dbb. Michigan City. Drilled unused artesian well in Pierre shale, diameter 5 inches, depth 120 feet. Highest water level 11.80 below lsd, June 23, 1950; lowest 24.00 below lsd, Sept. 6, 1955. Records available: 1948-55.

Jan. 6	20.20	Feb. 17	20.50	Apr. 8	20.50	June 3	21.90
13	20.20	24	20.30	15	20.90	10	22.30
20	20.10	Mar. 3	20.40	21	21.00	27	22.60
29	20.20	10	20.50	May 6	20.40	July 25	23.70
Feb. 4	20.30	17	20.70	13	21.00	Sept. 6	24.00
11	20.20	24	20.90	20	23.00		

153-60-32aba. A. W. Goldammer. Drilled unused artesian well in Pierre shale, diameter 5 inches, depth 103 feet. Highest water level 36.34 below lsd, Sept. 28, 1954; lowest 36.69 below lsd, Oct. 18, 1955. Records available: 1954-55. Apr. 12, 35.84; Oct. 18, 36.69.

153-60-35aaa. U. S. Geol. Survey. Drilled unused artesian well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 60 feet. Highest water level 10.25 below lsd, June 12, 1951; lowest 28.92 below lsd, Oct. 24, 1955. Records available: 1949-55. Affected by pumping of nearby municipal well. Apr. 12, 26.87; Oct. 24, 28.92.

Pembina County

160-56-16aaa1. S. J. Hanson. Dug water-table well in deposits of glacial Lake Agassiz, depth 12 feet. Highest water level 5.31 below lsd, May 22, 1951; lowest 9.99 below lsd, Dec. 3, 1953. Records available: 1946-55. Oct. 6, 9.74.

161-56-22bb1. E. J. Lander Co. Dug water-table well in deposits of glacial Lake Agassiz, diameter 5 feet, depth 14 feet. Highest water level 3.02 below lsd, May 20, 1950; lowest 11.76 below lsd, Apr. 26, 1941. Records available: 1941-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	7.59	Apr. 9	8.15	July 9	6.08	Oct. 8	8.24
8	7.52	16	7.70	16	6.28	15	8.02
15	7.58	23	6.87	23	6.74	22	7.98
22	8.52	30	6.22	30	7.05	29	8.00
29	8.58	May 8	5.99	Aug. 6	6.20	Nov. 5	8.00
Feb. 5	8.66	15	6.02	13	6.74	12	8.09
12	8.68	22	6.12	20	7.70	19	8.08
19	8.74	29	6.23	27	7.97	26	8.05
26	8.77	June 4	5.89	Sept. 3	8.20	Dec. 3	8.09
Mar. 5	8.80	11	5.65	10	8.42	10	8.14
12	8.86	18	5.78	17	8.60	17	8.14
19	8.86	25	6.11	24	8.64	24	8.16
26	9.10	July 2	6.44	Oct. 1	9.30	31	8.21
Apr. 2	8.86						

162-53-31cc1. Garnett A. Snell. Dug water-table well in deposits of glacial Lake Agassiz, size 4 by 4 feet, depth 17 feet. Highest water level 3.92 below lsd, May 20, 1950; lowest 12.07 below lsd, Oct. 2, 1943. Records available: 1941-55.

Jan. 1	9.90	Apr. 9	10.15	July 9	8.00	Oct. 8	10.22
8	9.88	16	9.18	16	7.88	15	10.10
15	9.91	23	8.70	23	8.12	22	10.05
22	9.99	30	8.36	30	8.40	29	10.08
29	10.08	May 7	8.26	Aug. 6	8.48	Nov. 5	10.02
Feb. 5	10.05	14	8.11	13	9.14	12	10.11
12	10.25	21	7.83	20	10.26	19	10.10
19	10.28	28	7.56	27	9.65	26	10.04
26	10.25	June 4	7.94	Sept. 3	9.96	Dec. 3	10.11
Mar. 5	10.33	11	7.73	10	10.13	10	10.12
12	10.33	18	7.62	17	10.33	17	9.97
19	10.35	25	7.76	24	10.32	24	10.08
26	10.35	July 2	7.93	Oct. 1	10.29	31	10.12
Apr. 2	10.36						

162-55-3dd1. Albert C. McCurdy. Dug unused water-table well in deposits of glacial Lake Agassiz, diameter 5 feet, depth 17 feet. Highest water level 2.88 below lsd, May 19, 1950; lowest 11.98 below lsd, Apr. 1, 1944. Records available: 1941-55.

Jan. 2	9.10	Apr. 3	10.24	July 3	7.23	Oct. 2	7.65
9	9.18	10	9.44	10	6.99	8	7.37
16	9.30	17	9.05	16	6.74	15	7.15
23	9.42	24	8.07	24	6.82	23	7.08
30	9.54	May 1	7.06	31	7.13	30	7.01
Feb. 6	9.68	8	7.39	Aug. 7	7.40	Nov. 6	7.08
13	9.82	15	7.30	14	7.62	13	7.16
20	9.92	22	7.18	21	7.82	20	7.04
27	9.05	29	7.10	27	7.92	27	7.03
Mar. 6	10.14	June 5	6.92	Sept. 4	8.11	Dec. 4	7.29
13	10.27	12	6.77	11	8.30	11	7.13
20	10.33	19	6.75	18	8.40	18	7.26
27	10.45	26	7.01	25	6.01	23	7.34

Ramsey County

153-64-2dac. Howard Maher. Drilled unused artesian(?) well in Pierre shale, diameter 4 inches, depth 67 feet. Highest water level 2.98 below lsd, Oct. 23, 1950; lowest 6.21 below lsd, Mar. 5, 1953. Records available: 1950-55. Apr. 12, 4.47.

153-64-5aa1. Ray Young. Dug water-table well in glacial drift, diameter 4 feet, depth 45 feet. Highest water level 20.60 below lsd, May 24, 1950; lowest 32.31 below lsd, June 22, 1944. Records available: 1942-50, 1952-55. Apr. 13, 28.75; Oct. 18, 27.19.

153-64-19da1. Camp Grafton Military Reserve. Drilled water-table well in glacial drift, diameter 4 inches, depth 148 feet. Highest water level 48.13 below lsd, Oct. 18, 1955; lowest 59.44 below lsd, May 29, 1951. Records available: 1943-55. Oct. 18, 48.13.

153-65-14ac1. Mrs. Bonnie Boland. Drilled unused artesian well in glacial drift, diameter 4 inches, depth 285 feet. Highest water level 50.27 below lsd, Apr. 12, 1952; lowest 59.32 below lsd, Oct. 14, 1944. Records available: 1937-55. Apr. 13, 51.90; Oct. 18, 51.23.

154-64-34ddd6. Fairmount Foods Co. Drilled unused artesian well in Pierre shale, diameter 6 inches, depth 112 feet. Highest water level 51.09 below lsd, Oct. 10, 1950; lowest 62.34 below lsd, Nov. 15, 1950. Records available: 1950-51, 1954. No measurement made in 1955.

154-64-35cbc. William Johnson. Drilled unused artesian(?) well in Pierre shale, diameter 4 inches, depth 91 feet. Highest water level 26.42 below lsd, Oct. 18, 1955; lowest 32.24 below lsd, Apr. 27, 1953. Records available: 1950-55. Apr. 12, 28.32; Oct. 18, 26.42.

Renville County

161-85-20aa1. Minnesota Trust Co. Drilled unused well in Fort Union formation, diameter 4 inches, depth 400 feet. Highest water level 77.46 below lsd, June 21, 1951; lowest 83.04 below lsd, Sept. 26, 1946. Records available: 1937-55. Apr. 13, 81.65; Oct. 19, 82.06.

Richland County

133-52-32cd1. Owner unknown. Driven water-table well in deposits of glacial Lake Agassiz, diameter $1\frac{1}{4}$ inches, depth 20 feet. Highest water level 3.58 below lsd, Apr. 16, 1946; lowest 7.76 below lsd, June 13, 1948. Records available: 1946-51, 1954-55. Oct. 21, 7.18.

133-52-33cdd. Max A. Jensen. Formerly John Liljemark. Driven water-table well in deposits of glacial Lake Agassiz, diameter $1\frac{1}{2}$ inches, depth 20 feet. Highest water level 0.75 below lsd, June 27, 1943; lowest 8.63 below lsd, Mar. 16, 1946. Records available: 1937-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	7.57	Apr. 16	7.11	July 16	6.94	Oct. 15	8.07
15	7.65	23	6.86	23	7.52	21	7.96
22	7.90	30	6.52	30	7.36	22	8.07
29	8.07	May 7	6.82	Aug. 6	6.19	29	8.07
Feb. 5	8.19	14	7.07	13	6.44	Nov. 5	7.98
12	8.36	21	6.77	20	6.02	12	7.98
19	8.44	28	6.61	27	7.19	19	7.98
26	8.52	June 4	6.19	Sept. 3	7.44	26	7.98
Mar. 5	8.57	11	4.77	10	7.77	Dec. 3	8.14
12	8.61	18	6.44	17	7.86	10	8.19
19	8.19	25	6.07	24	7.94	17	8.27
26	8.11	July 2	7.44	Oct. 1	8.02	24	8.33
Apr. 2	7.27	9	7.44	8	8.02	31	8.24
9	7.44						

Rolette County

162-69-2aba. City of Rolla. Driven unused water-table well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 8 feet. Highest water level 1.74 below lsd, Oct. 20, 1955; lowest 3.84 below lsd, Sept. 17, 1953. Records available: 1953-55. Apr. 13, 2.68; June 16, 4.17; Oct. 20, 1.74.

Sheridan County

145-75-28bb1. Bank of North Dakota. Drilled well, diameter 2 inches, reported depth 300 feet. Highest water level 50.51 below lsd, Sept. 16, 1954; lowest 56.51 below lsd, Oct. 26, 1940. Records available: 1938-47, 1949, 1952-54. No measurement made in 1955.

Slope County

134-100-14ad1. Arthur Nesseth. Drilled water-table well in Fort Union formation, diameter 24 inches, depth 67 feet. Highest water level 14.07 below lsd, Oct. 7, 1947; lowest 18.91 below lsd, Apr. 17, 1941. Records available: 1940-48, 1951-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	15.75	June 6	15.80	Aug. 16	16.26	Oct. 17	16.13
May 12	16.28	July 19	16.35	Sept. 19	16.98	Nov. 21	16.00

Stark County

139-91-2baa. Roland and George Funk. Dug unused water-table well in Fort Union formation, diameter 42 inches, depth 17 feet. Highest water level 2.33 below lsd, July 9, 1944; lowest 5.09 below lsd, Sept. 25, 1952. Records available: 1940-50, 1952-55. Apr. 21, 4.32; Oct. 26, 4.69.

Steele County

148-57-35bbd. City of Sharon. Drilled unused artesian well in glacial drift, diameter 24 inches, depth 70 feet. Highest water level 30.83 below lsd, Apr. 18, 1955; lowest 32.98 below lsd, Oct. 8, 1953. Records available: 1953-55. Apr. 18, 30.83.

Towner County

158-66-20d1. S. L. Isaacson. Dug water-table well in glacial drift, diameter 4 feet, depth 30 feet. Highest water level 13.67 below lsd, June 19, 1951; lowest 27.59 below lsd, Oct. 8, 1953. Records available: 1942-44, 1947-55. Apr. 13, 16.54; Oct. 20, 21.93.

160-66-28ba1. Alvin D. Krueger. Drilled unused water-table well in glacial drift, diameter 4 inches, depth 135 feet. Highest water level 13.60 below lsd, Apr. 2, 1955; lowest 17.15 below lsd, Dec. 26, 1942. Records available: 1937-55.

Jan. 1	13.89	Apr. 2	13.60	July 2	13.75	Oct. 1	13.90
8	13.86	9	13.62	9	13.75	8	13.90
15	13.82	16	13.64	16	13.76	15	13.91
22	13.80	23	13.65	23	13.77	22	13.91
29	13.79	29	13.65	30	13.78	29	13.90
Feb. 5	13.79	May 7	13.66	Aug. 6	13.79	Nov. 5	13.89
12	13.78	14	13.66	13	13.81	12	13.88
19	13.77	21	13.68	20	13.83	19	13.87
26	13.73	28	13.70	27	13.85	26	13.89
Mar. 5	13.70	June 4	13.71	Sept. 3	13.86	Dec. 3	13.86
12	13.66	11	13.72	10	13.88	10	13.85
19	13.63	18	13.73	17	13.89	17	13.84
26	13.61	25	13.74	24	13.90	24	13.84

Traill County

148-53-18aa1. City of Hatton. Dug water-table well in glacial drift, diameter 6 feet, depth 31 feet. Highest water level 4.22 below lsd, June 3, 1950; lowest 27.17 below lsd, Sept. 29, 1940. Records available: 1937-51, 1953-54. No measurement made in 1955.

148-53-18ac1. City of Hatton. Dug water-table well in glacial drift, diameter 6 feet, depth 33 feet. Highest water level 6.11 below lsd, July 3, 1942; lowest 30.84 below lsd, July 27, 1940. Records available: 1938-43, 1955. Apr. 18, 9.85; Nov. 10, 9.93.

148-53-18ad3. City of Hatton. Dug water-table well in glacial drift, diameter 5 feet, depth 45 feet. Highest water level 3.24 below lsd, June 25, 1950; lowest 34.40 below lsd, Sept. 2, 1939. Records available: 1938-55. Apr. 18, 12.85; Nov. 10, 12.88.

Walsh County

157-51-16dc2. Henry Dipple. Dug water-table well in deposits of glacial Lake Agassiz, diameter 4 feet, depth 16 feet. Highest water level 0.12 below lsd, Apr. 12, 1941; lowest 12.09 below lsd, Mar. 11, 1939. Records available: 1937-55. Apr. 12, 3.89; Oct. 6, 7.82.

157-55-17cc1. C. D. Lewis. Dug unused water-table well in deposits of glacial Lake Agassiz, diameter 36 inches, depth 9 feet. Highest water level 1.37 below lsd, Apr. 24, 1948; lowest dry, Sept. 10, 1938. Records available: 1938-55. Apr. 12, 3.04; Oct. 6, 6.24.

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157-55-17cd1. C. D. Lewis. Driven unused water-table well in deposits of glacial Lake Agassiz, diameter 1½ inches, depth 15 feet. Highest water level 1.38 below lsd, June 12, 1943; lowest 10.47 below lsd, Nov. 11, 1938. Records available: 1937-38, 1946-55. Apr. 12, 4.31; Oct. 6, 7.15.

157-56-20cb. Mrs. Alfred Christianson. Drilled unused water-table well in glacial outwash, diameter 5 inches, depth 25 feet. Highest water level 13.27 below lsd, Sept. 27, 1954; lowest 15.39 below lsd, May 15, 1953. Records available: 1953-55. Apr. 12, 13.37; Oct. 6, 13.76.

Ward County

155-83-23baa1. City of Minot. Drilled unused artesian well in glacial drift, diameter 12 inches, depth 132 feet. Highest water level 33.18 below lsd, Oct. 25, 1955; lowest 55.54 below lsd, July 25, 1951. Records available: 1944-55. Apr. 15, 37.32; Oct. 25, 33.18.

160-89-31ab1. U. S. Fish and Wildlife Service. Dug water-table well in glacial outwash deposits, diameter 5 feet, depth 28 feet. Highest water level 6.76 below lsd, Apr. 14, 1955; lowest water level 11.65 below lsd, Nov. 17, 1953. Records available: 1942-46, 1953-55. Apr. 14, 6.76; Oct. 19, 11.40.

Wells County

150-70-20dad. Great Northern Ry. Dug water-table well in glacial drift, size 5 by 5 feet, depth 12 feet. Highest water level 0.50 below lsd, July 6, 1953; lowest 5.80 below lsd, Mar. 16, 1953. Records available: 1951-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	3.90	Apr. 4	3.22	July 4	2.32	Oct. 10	4.36
10	4.08	11	1.49	11	2.63	17	4.50
17	4.17	18	1.43	18	3.05	24	4.60
24	4.23	25	1.21	25	3.59	31	4.45
31	4.35	May 2	1.33	Aug. 1	3.18	Nov. 7	4.50
Feb. 7	4.32	9	1.60	8	3.74	14	4.57
14	4.37	16	2.64	15	4.22	21	4.60
21	4.50	23	2.21	22	4.40	28	4.56
28	4.35	30	1.15	29	4.48	Dec. 5	4.78
Mar. 7	4.55	June 6	1.35	Sept. 5	4.76	12	4.82
14	4.60	13	1.26	12	4.84	19	4.94
21	4.49	20	1.90	19	4.93	26	5.02
28	4.50	27	2.54	26	4.48		

150-72-21cd1. City of Harvey. Drilled water-table well in glacial drift, diameter 26 inches, depth 40 feet. Highest water level 0.22 above lsd, May 8, 1945; lowest 15.48 below lsd, Mar. 18, 1937. Records available: 1937-50, 1953-55. Apr. 19, 2.45, Oct. 19, 6.56.

150-72-28ba1. City of Harvey. Drilled water-table well in glacial drift, diameter 26 inches, depth 40 feet. Highest water level 0.44 below lsd, July 16, 1951; lowest 20.17 below lsd, Aug. 31, 1944. Records available: 1937-48, 1950-55. Apr. 19, 8.04; Oct. 19, 9.90.

Williams County

159-103-24da1. Albert Fischer. Dug water-table well in glacial drift, diameter 18 inches, depth 43 feet. Highest water level 1.29 below lsd, July 5, 1953; lowest 39.66 below lsd, Mar. 15, 1941. Records available: 1939-55.

Jan. 2	13.46	Apr. 3	14.38	July 3	9.83	Oct. 2	12.98
9	13.58	10	10.65	10	10.06	9	13.24
16	13.68	17	8.24	17	10.41	16	13.65
23	13.87	24	6.62	24	10.64	23	13.76
30	14.04	May 1	6.33	31	10.66	30	13.94
Feb. 6	14.22	8	5.98	Aug. 7	10.94	Nov. 6	13.96
13	14.35	15	5.59	14	11.11	13	14.08
20	14.52	22	5.24	21	11.42	20	14.21
27	14.74	29	5.89	28	11.72	27	14.37
Mar. 6	14.83	June 5	6.60	Sept. 4	12.08	Dec. 4	14.58
13	14.93	12	7.44	11	12.05	11	14.76
20	15.14	19	8.24	18	12.46	18	14.98
27	15.21	26	9.42	25	12.88	25	14.98

159-103-24da2. Albert Fischer. Dug water-table well in glacial drift, size 24 by 24 inches, depth 40 feet. Highest water level 1.30 below lsd, July 5, 1953; lowest 39.0 below lsd, Dec. 28, 1940. Records available: 1938-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	10.42	Apr. 3	11.21	July 3	7.90	Oct. 2	11.10
9	10.48	10	7.59	10	8.22	9	11.25
16	10.58	17	6.10	17	8.48	16	11.50
23	10.78	24	3.91	24	8.53	23	11.63
30	10.90	May 1	4.56	31	8.65	30	11.80
Feb. 6	11.00	8	5.11	Aug. 7	8.82	Nov. 6	11.76
13	11.44	15	6.39	14	11.37	13	11.94
20	11.33	22	6.01	21	11.10	20	12.18
27	11.45	30	6.21	28	10.02	27	12.34
Mar. 6	11.64	June 5	6.73	Sept. 4	10.54	Dec. 4	12.55
13	11.76	12	7.13	11	10.65	11	13.80
20	11.94	19	7.31	18	10.84	18	12.78
27	12.04	26	7.76	25	10.95	25	12.89

SOUTH DAKOTA

By F. C. Koopman

Scope of Water-Level Program

The observation-well program in South Dakota, begun in 1935, was continued through cooperation with the State Geological Survey until 1946. Measurements of water levels and artesian pressures have been continued since 1946 as a part of the Missouri River Basin program. During 1955 about 6,780 water-level measurements were made in 569 wells. Recording gages were operated on 22 additional wells and pressure gages on 2 wells. The measurement program is most intensive in the Oahe Unit area in the James Valley. Figure 39 shows the location of 56 observation wells listed in this report. Water-level measurements not included in this report are on file at the office of the Ground Water Branch, Water Resources Division, U. S. Geological Survey, in Huron.

Precipitation

The normal annual precipitation for South Dakota is 19.21 inches. The total for 1955 was 16.15 inches, about 3 inches below normal and 1.25 inches below that for 1954. Precipitation in 1954 averaged 17.38 inches, about 4.5 inches less than in 1953.

Pumpage

Ground-water pumpage in 1955 was considerably greater than in 1954, owing to insufficient rainfall and increased irrigation. A few wells scattered over the State are pumped for crop irrigation. Mounting interest in irrigation has resulted in pumpage of over 1,000 acre-feet from glacial-drift aquifers in the James Valley.

Interpretation of Water-Level Fluctuations

Water levels in South Dakota fluctuate in response to precipitation, pumping, evaporation, demands of vegetation, and changes in barometric pressure. They are a rough index of changes in ground-water storage. In wells scattered over the State water levels showed a decline in 1955 from the 1946-55 average, because of below-average precipitation in both 1954 and 1955; in many shallow wells they dropped to record lows. In general, however, levels were 8 to 10 feet higher in 1955 than in 1935. The following table lists the changes in 1955 and in the 1946-55 period.

County	Well no.	Average depth to water, 1946-55	Average depth to water, 1955	Greatest departure in 1955 from 1955 average	
				Above	Below
Pennington	A-1-8-17ddd1	9.12	14.70	1.75	1.15
Haakon	A-1-25-6dd1	22.51	22.81	.31	.18
Yankton	93-56-14aa1	44.22	45.04	.34	.46
Union	95-50-8ab1	5.77	9.27	1.97	2.60
Minnehaha	101-49-33bb1	9.13	10.19	1.39	3.21
Beadle	109-62-9ad1	14.47	17.94	1.17	1.23
Hand	112-69-3dc1	8.75	8.99	3.31	1.20
Spink	116-64-3db1	12.01	12.06	.61	.23

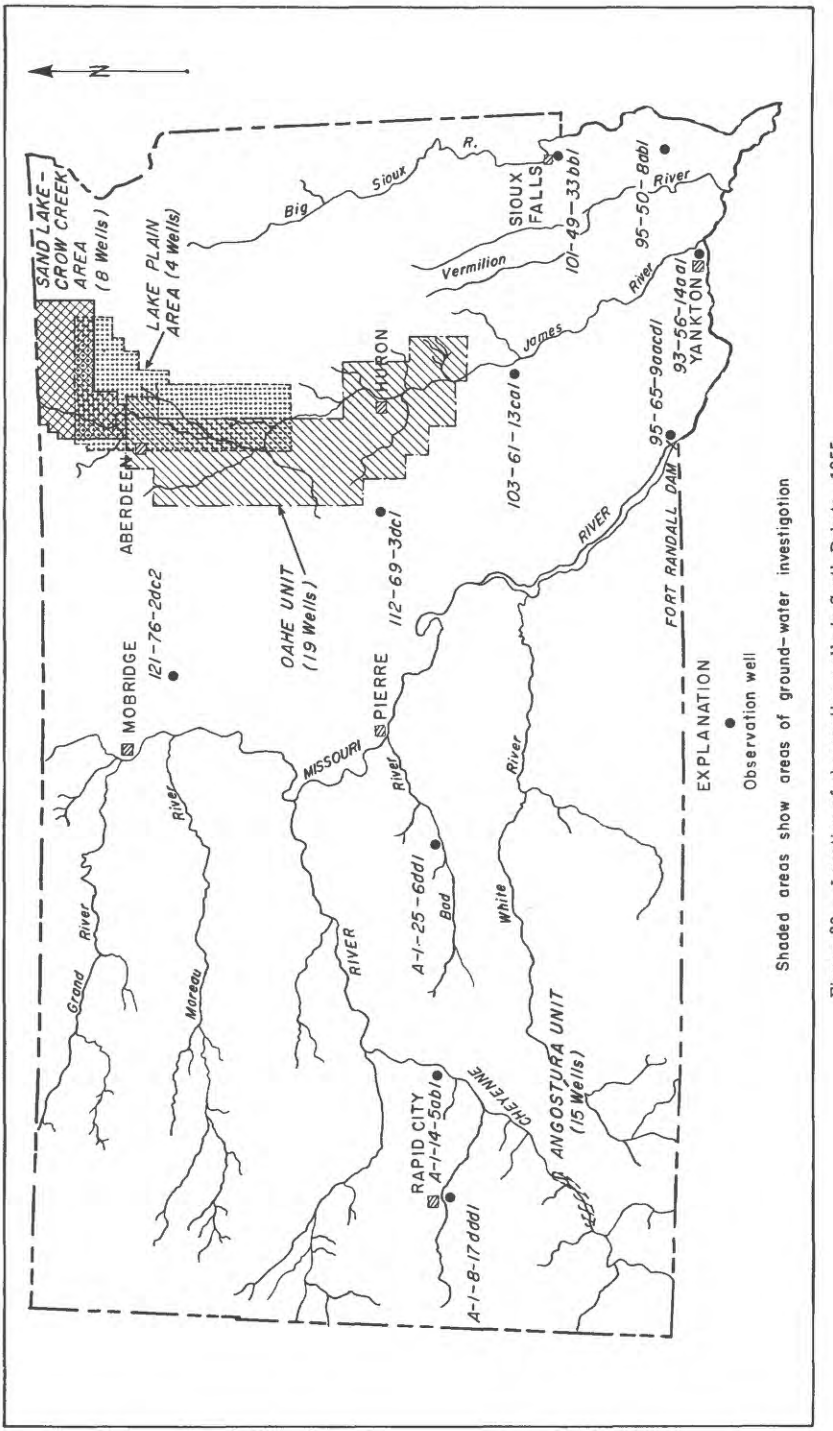


Figure 39.--Location of observation wells in South Dakota, 1955.

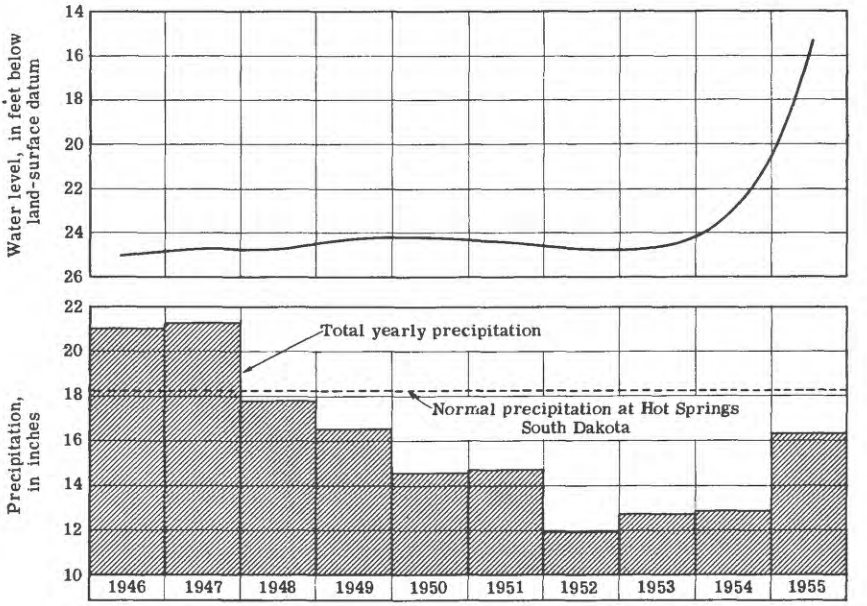


Figure 40. --Generalized average water level in 8 wells in the Angostura irrigation project and precipitation at Hot Springs, S. Dak., 1946-55.

Water levels in many wells in the Oahe Unit area declined to record lows in 1955. Water levels in the Angostura irrigation project area in the southwestern part of the State are affected by imported irrigation water. Measurements are made in many wells in this area. A composite generalized hydrograph of eight observation wells in an area where irrigation is intensive is shown in figure 40. Rising water levels since the beginning of heavy pumping for irrigation in 1953 reflect an increase in ground-water storage in this area. Other wells in the project do not show rising water levels. Since water was impounded behind the Fort Randall dam in the summer of 1952, the water level in Charles Mix County well 95-65-9aacd1 has risen about 21. 5 feet. The rate of rise decreased to about 2. 5 feet during 1955, as compared to a rise of 19 feet during the preceding 3 years. Spink County well 114-64-11bbbb1 is about 1. 5 miles from 2 wells pumped for irrigation. The water level responds to pumping of these wells, changes in barometric pressure, and precipitation. Figure 41 gives hydrographic data for the period June 16 to July 10, 1955, in well 114-64-11bbbb1.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first numeral indicates the township, the second the range, and the third the section in which the well is situated. Lowercase letters after the section number indicate the well location within the section. The first letter denotes the 160-acre tract, the second the 40-acre tract, the third the 10-acre tract, and the fourth the $2\frac{1}{2}$-acre tract. The letters a, b, c, and d are assigned in a counterclockwise direction, beginning in the northeast corner. If the well can be located within a $2\frac{1}{2}$-acre tract, 4 lowercase letters are shown in the well number. Within the smallest tract, consecutive numbers beginning with 1 are added to designate the order in which the wells are described. Well numbers preceded by the capital letters A or D designate wells in the northeast and southeast quadrants of the Black Hills meridian and base line system. Well numbers not preceded by a capital letter designate wells in the fifth or sixth principal meridian and base line systems. Well 128-61-26bbb1 is the first well described in the $NW\frac{1}{4}NW\frac{1}{4}NW\frac{1}{4}$ sec. 26, T. 128 N., R. 61 W. The method of designation is shown in the diagram on page 210.

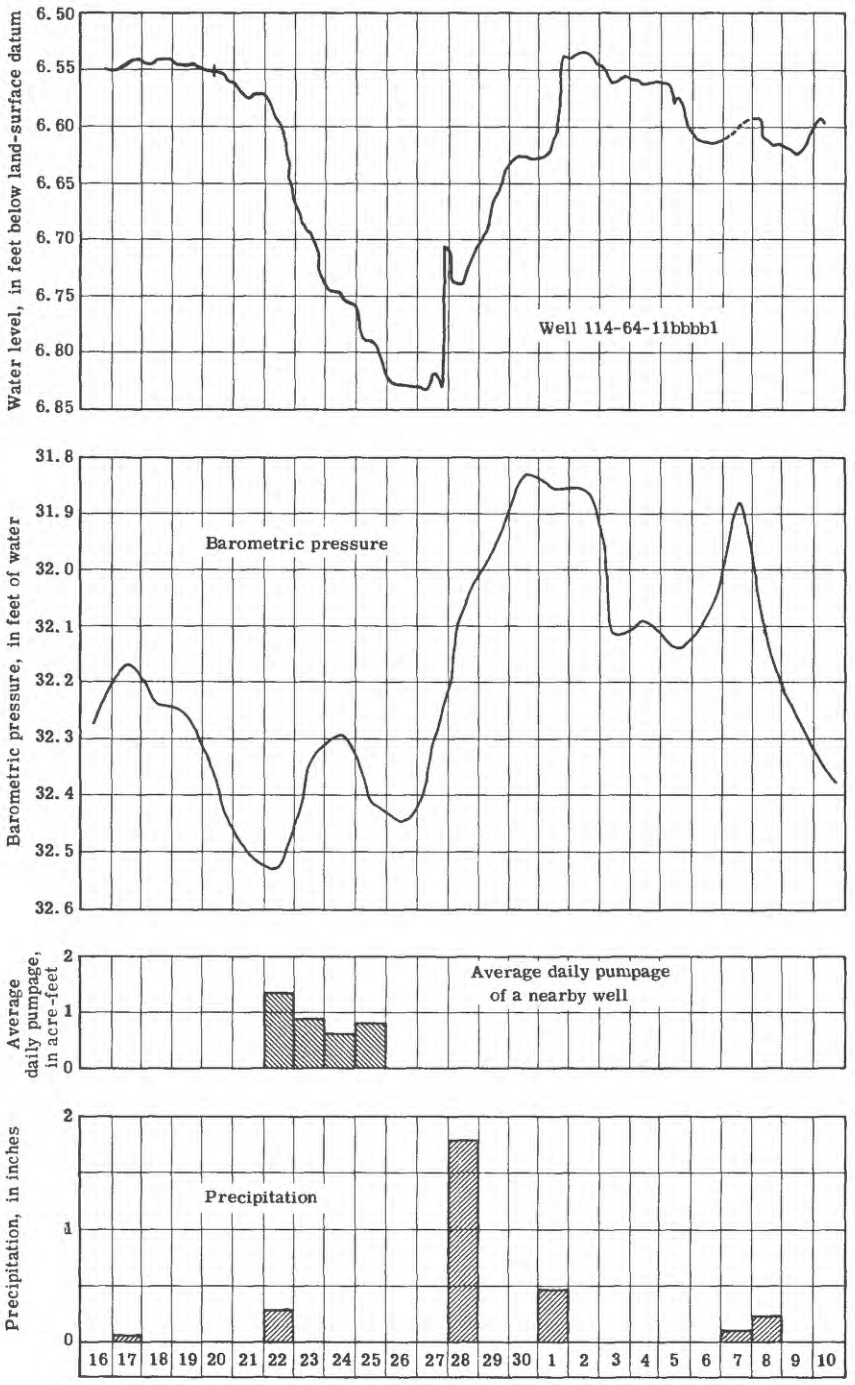
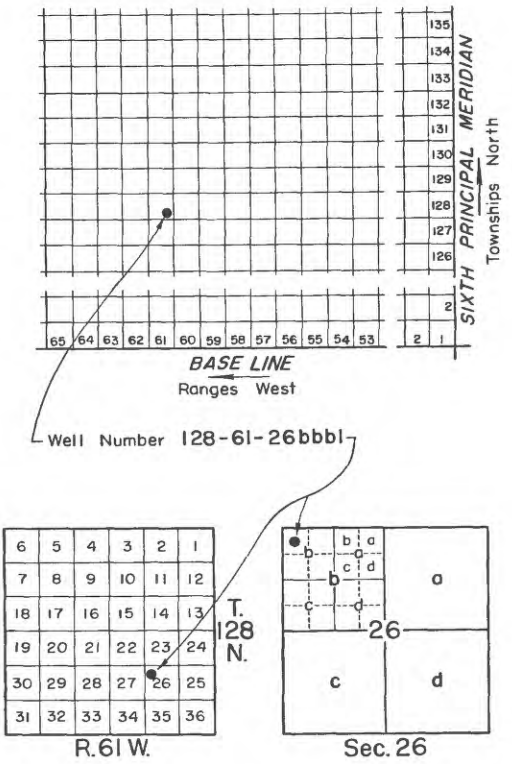


Figure 41.--Hydrographic data from June 16 to July 10, 1955, of Spink County well 114-64-11bbbb1, near Tulare, Oahe area, South Dakota.



Well Descriptions and Water-Level Measurements

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

Beadle County

109-62-9ad1. Hildur Erickson. Drilled unused well in glacial drift, diameter 18 inches, depth 26 feet. Land-surface datum is 1,321.6 feet above msl. Highest water level 9.95 below lsd, June 16, 1947; lowest 27.09 below lsd, Feb. 9, 1938. Records available: 1935-38, 1941, 1944, 1946-55. Mar. 7, 17.88; July 23, 16.77; Dec. 12, 19.17.

110-62-9bccc1. City of Huron. Drilled municipal supply well in glacial drift, diameter 12 inches, depth 74 feet, cased to 74, perforations 38-74. Land-surface datum is 1,307 feet above msl. Highest water level 10.81 below lsd, Feb. 4, 1954; lowest 15.82 below lsd, Nov. 15, 1955. Records available: 1954-55.

Daily noon water level from recorder graph, 1954

Day	Feb.	Mar.	Apr.	June	July	Sept.	Oct.	Nov.	Dec.
1	.....	10.92	.....	h10.88	.....	.....	.....	11.33	11.42
2	.....	10.98	.....	.....	.....	.....	.....	11.34	11.39
3	.....	.....	.....	.....	.....	.....	.....	11.32	11.38
4	h10.81	.....	.....	.....	.....	.....	.....	11.33	11.37
5	.....	h11.00	.....	.....	.....	.....	.....	11.32	11.43
6	.....	10.98	.....	.....	.....	h11.12	.....	11.32	11.42
7	.....	11.02	.....	.....	.....	.....	.....	11.33	11.39
8	.....	10.98	.....	.....	.....	.....	.....	11.34	11.39
9	.....	10.99	.....	.....	.....	.....	.....	11.35	11.41
10	.....	10.96	.....	.....	.....	.....	.....	11.35	11.40
11	.....	10.96	.....	.....	.....	.....	.....	11.38	11.45
12	h10.85	10.93	.....	.....	h10.95	.....	.....	11.35	11.45
13	.....	10.98	.....	.....	.....	.....	.....	11.35	11.40
14	.....	10.89	.....	.....	.....	.....	.....	11.37	11.43
15	.....	10.91	.....	.....	.....	.....	h11.30	11.35	11.41

110-62-9bccc1--Continued.

Day	Feb.	Mar.	Apr.	June	July	Sept.	Oct.	Nov.	Dec.
16	.....	10.92	.....	.....	.....	.....	11.29	11.32	11.42
17	.....	10.92	.....	.....	.....	.....	11.30	11.33	11.43
18	h10.87	10.91	.....	.....	.....	.....	11.32	11.35	11.46
19	10.92	10.88	.....	.....	.....	.....	11.33	11.37	11.47
20	10.89	10.92	.....	.....	.....	.....	11.32	11.36	11.46
21	10.93	10.92	.....	.....	.....	.....	11.33	11.38	11.47
22	10.90	10.91	.....	.....	.....	.....	11.32	11.38	11.45
23	10.93	10.93	.....	.....	.....	.....	11.32	11.39	11.48
24	10.92	10.92	.....	.....	.....	.....	11.34	11.40	11.45
25	10.92	10.87	.....	.....	.....	.....	11.35	11.40	11.47
26	10.89	10.90	.....	.....	.....	.....	11.30	11.37	11.51
27	10.93	10.90	.....	.....	.....	.....	11.30	11.36	11.54
28	10.94	10.90	.....	.....	.....	.....	11.29	11.38	11.53
29		10.91	.....	.....	.....	.....	11.31	11.41	11.50
30		10.93	h10.92	.....	.....	.....	11.31	11.39	11.51
31		.....		.....			11.31		11.47

* No record for January, May, and August.
h Tape measurement.

Daily noon water level from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.49	11.73	11.81	12.07	12.22	12.42	12.64	12.77	12.97	13.04	13.04	13.33
2	11.50	11.77	11.80	12.04	12.22	12.45	12.64	12.78	12.96	13.04	13.08	13.32
3	11.53	11.79	11.83	12.02	12.24	12.44	12.66	12.79	12.97	13.01	13.07	13.28
4	11.54	11.74	11.86	12.02	12.29	12.45	12.68	12.78	12.98	12.97	13.04	13.21
5	11.54	11.72	11.88	12.05	12.32	12.44	12.69	12.78	13.01	12.98	13.04	13.22
6	11.57	11.76	11.90	12.08	12.29	12.44	12.70	12.80	13.02	c13.45	13.08	13.18
7	11.56	11.73	11.87	12.11	12.34	12.47	12.70	12.83	13.01	13.18	13.10	13.17
8	11.55	11.72	11.86	12.10	12.35	12.49	12.70	12.83	13.01	13.10	13.08	13.20
9	11.58	11.75	11.86	12.11	12.35	12.48	12.70	12.83	13.03	13.08	13.04	13.22
10	11.59	11.80	11.85	12.11	12.38	12.47	12.72	12.83	12.99	13.05	c15.09	13.22
11	11.57	11.85	11.87	12.10	12.39	12.47	12.73	12.85	13.01	13.04	13.80	13.23
12	11.61	11.83	11.91	12.12	12.39	12.48	12.73	12.85	13.01	13.06	13.58	13.18
13	11.58	11.82	11.92	12.12	12.41	12.49	12.70	12.83	13.00	13.06	13.42	13.17
14	11.59	11.82	11.94	12.12	12.43	12.51	12.70	12.88	12.99	13.06	c15.34	13.19
15	11.59	11.80	11.97	12.12	12.43	12.53	12.71	12.93	13.00	13.04	c15.82	13.20
16	11.61	11.83	11.97	12.15	12.45	12.54	12.73	12.92	13.00	13.07	d14.37	13.19
17	11.64	11.80	11.98	12.15	12.46	12.55	12.74	12.92	13.03	13.07	d14.03	13.18
18	11.67	11.83	11.95	12.35	12.47	12.55	12.74	12.93	13.00	13.06	13.80	13.18
19	11.68	11.80	12.00	12.25	12.46	12.57	12.77	12.94	12.97	13.05	13.69	13.19
20	11.64	11.72	12.00	12.23	12.47	.....	12.79	12.97	12.98	13.06	13.62	13.19
21	11.64	11.73	11.99	12.23	12.46	.....	12.77	12.97	12.99	13.08	13.52	13.19
22	11.67	11.75	11.94	12.23	12.46	.....	12.68	12.97	13.02	13.04	13.59	13.17
23	11.63	11.76	12.00	12.23	12.45	.....	12.69	12.97	13.04	13.07	13.52	13.10
24	11.65	11.77	12.02	12.20	12.47	.....	12.71	12.95	13.06	13.08	13.47	13.11
25	11.67	11.78	12.04	12.20	12.46	12.62	12.70	12.97	13.08	13.05	13.46	13.14
26	11.72	11.79	12.06	12.20	12.43	12.63	12.70	12.97	13.05	13.03	13.40	13.16
27	11.70	11.79	12.05	12.17	12.33	12.63	12.74	12.97	13.02	13.02	13.42	13.14
28	11.70	11.81	12.03	12.20	12.35	12.60	12.74	12.98	12.98	13.05	13.42	13.14
29	11.73		12.02	12.21	12.40	12.60	12.72	12.97	13.01	13.05	13.42	13.20
30	11.71		12.03	12.22	12.40	12.60	12.73	12.97	13.03	13.04	13.40	13.21
31	11.71		12.04		12.40		12.75	12.97		13.01		13.18

c Nearby well being pumped.
d Nearby well pumped recently.

112-62-34cccc1. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 24 feet. Land-surface datum is 1,291.8 feet above msl. Highest water level 0.20 below lsd, Oct. 28, 1955; lowest 11.23 below lsd, June 28, 1951. Records available: 1948-52, 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	9.46	May 19	10.23	Aug. 18	9.79	Oct. 28	0.20
Mar. 14	9.65	June 20	10.00	Sept. 19	9.92	Nov. 21	1.80
Apr. 18	9.89	July 25	9.80				

112-64-34cccc1. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 24 feet. Land-surface datum is 1,325.8 feet above msl. Highest water level 0.82 below lsd, Apr. 18, 1952; lowest 7.41 below lsd, Nov. 22, 1955. Records available: 1948-55.

Jan. 17	6.81	Apr. 13	3.55	July 25	6.11	Oct. 27	7.38
Feb. 17	6.83	May 18	4.72	Aug. 18	6.72	Nov. 22	7.41
Mar. 14	2.44	June 20	4.64	Sept. 19	7.16	Dec. 12	7.35

113-63-2bbbb1. U. S. Bureau of Reclamation. Drilled observation water-table well in glacial drift, diameter 4 inches, depth 155 feet, perforations 19-70. Land-surface datum is 1,307.3 feet above msl. Highest water level 27.10 below lsd, Oct. 16, 1953; lowest 28.03 below lsd, Feb. 16, 21, 1953. Records available: 1953-55.

Daily noon water level from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	27.96	h27.68	27.53	27.44	27.33	27.22	27.17	27.12	27.19	27.19
2	.....	.....	27.99	27.68	27.55	27.41	27.36	27.23	27.15	27.11	27.21	27.19
3	.....	.....	.....	27.68	27.58	27.40	27.33	27.23	27.18	27.17	27.21	27.19
4	.....	.....	.....	27.67	27.57	27.42	27.35	27.23	27.18	27.16	27.23	.....
5	.....	.....	.....	27.64	27.57	27.43	27.34	27.22	27.18	27.14	27.20	.....
6	.....	.....	.....	27.62	27.54	27.42	27.32	27.23	27.20	27.16	27.20	.....
7	.....	.....	.....	27.63	27.50	27.37	27.33	27.23	27.19	27.11	27.22	.....
8	.....	.....	.....	27.63	27.49	27.42	27.32	27.22	27.18	27.13	27.21	.....
9	.....	.....	27.97	27.63	27.45	27.42	27.32	27.21	27.18	27.12	27.20	.....
10	.....	.....	27.94	27.63	27.49	27.42	27.30	27.22	27.16	27.16	27.20	.....
11	.....	.....	27.94	27.64	27.52	27.42	27.29	27.22	27.18	27.12	27.19	.....
12	.....	.....	27.97	27.63	27.53	27.40	27.29	27.21	27.18	27.16	27.18	.....
13	.....	.....	27.91	27.61	27.51	27.39	27.29	27.23	27.15	27.12	27.17	.....
14	.....	.....	27.90	27.59	27.46	27.38	27.29	27.23	27.16	27.13	27.16	.....
15	.....	.....	27.94	27.63	27.47	27.35	27.29	27.21	27.18	27.12	27.15	.....
16	.....	28.03	27.93	27.62	27.45	27.42	27.29	27.21	27.14	27.10	27.17	.....
17	.....	27.96	27.85	27.61	27.45	27.35	27.28	27.22	27.13	.....	27.14	.....
18	.....	27.99	27.88	27.62	27.45	27.37	27.27	27.21	27.18	.....	27.20	.....
19	.....	28.01	27.87	27.61	27.42	27.36	27.27	27.19	27.15	.....	27.20	.....
20	.....	27.99	27.83	27.61	27.42	27.42	27.26	27.19	27.18	.....	27.15	.....
21	.....	28.03	27.82	27.54	27.45	27.42	27.26	27.19	27.20	.....	27.22	.....
22	.....	28.00	27.84	27.57	27.47	27.42	27.26	27.19	27.19	.....	.....	.....
23	.....	28.01	27.85	27.58	27.46	27.36	27.26	27.18	27.16	.....	.....	.....
24	.....	28.01	27.87	27.51	27.42	27.36	27.20	27.17	27.17	.....	.....	.....
25	.....	27.97	27.88	27.56	27.45	27.38	27.28	27.17	27.17	.....	.....	.....
26	.....	27.95	27.89	27.57	27.47	27.37	27.29	27.17	27.16	.....	.....	.....
27	.....	27.99	27.89	27.55	27.45	27.37	27.26	27.17	27.13	.....	.....	.....
28	.....	28.00	27.87	27.52	27.40	27.37	27.24	27.16	27.14	.....	.....	.....
29	.....	27.99	27.83	27.52	27.39	27.34	27.26	27.17	27.17	.....	.....	.....
30	.....		.....	27.50	27.43	27.34	27.25	27.18	27.14	h27.22	27.22	.....
31	.....		.....		27.55		27.22	27.17		27.19		27.19

h Tape measurement.

Daily noon water level from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.18	.....	27.27	27.29	27.25	27.21	27.21	27.16	27.20	27.26	27.28	27.31
2	27.17	27.22	27.30	27.32	27.25	27.20	27.21	27.17	27.21	27.25	27.24	27.28
3	27.17	27.22	27.30	27.31	27.25	27.22	27.22	27.16	27.20	27.23	27.26	27.27
4	27.17	27.26	27.30	27.27	27.24	27.21	27.22	27.17	27.20	27.25	27.27	27.27
5	27.19	27.27	27.30	27.23	27.24	27.18	27.22	27.18	27.21	27.25	27.25	27.29
6	27.19	27.28	27.26	27.24	27.24	27.18	27.19	27.18	27.21	27.26	27.25	27.30
7	27.19	27.27	27.29	27.27	27.24	27.22	27.21	27.18	27.22	27.24	27.27	27.26
8	27.19	27.22	27.24	27.27	27.24	27.21	27.21	27.17	27.20	27.22	27.28	27.26
9	.....	27.23	27.27	27.22	27.25	27.21	27.19	27.18	27.22	27.23	27.28	27.26
10	.....	27.26	27.23	27.27	27.25	27.20	27.19	27.18	27.22	27.23	27.26	27.27
11	.....	27.31	27.24	27.28	27.24	27.20	27.19	27.17	27.20	27.23	27.28	27.27
12	.....	27.23	27.25	27.27	27.24	27.21	27.21	27.18	27.19	27.27	27.24	27.31
13	.....	27.22	27.29	27.22	27.22	27.21	27.19	27.17	27.21	27.28	27.28	27.27
14	.....	27.21	27.29	27.21	27.24	27.19	27.22	27.18	27.22	27.28	27.25	27.25
15	.....	27.29	27.30	27.23	27.24	27.20	27.22	27.17	27.21	27.28	27.23	27.27
16	.....	27.28	27.30	27.25	27.23	27.19	27.19	27.19	27.20	27.28	27.23	27.25
17	.....	27.27	27.24	27.22	27.23	27.22	27.20	27.16	27.22	27.28	27.27	27.26
18	.....	27.22	27.22	27.23	27.23	27.23	27.19	27.17	27.19	27.29	27.28	27.29
19	.....	27.27	27.27	27.24	27.23	27.22	27.19	27.17	27.19	.....	27.27	27.29
20	.....	27.23	27.28	27.24	27.21	27.22	27.19	27.17	27.20	.....	27.27	27.28
21	.....	27.28	27.26	27.26	27.20	27.20	27.18	27.17	27.24	.....	27.28	27.28
22	.....	27.26	27.27	27.26	27.19	27.20	27.21	27.18	27.20	.....	27.25	27.27
23	.....	27.27	27.27	27.21	27.21	27.21	27.20	27.18	27.19	.....	27.27	27.29
24	.....	27.24	27.23	27.23	27.19	27.20	27.20	27.17	27.22	.....	27.28	27.29
25	.....	27.25	27.27	27.21	27.21	27.21	27.20	27.18	27.21	.....	27.27	27.27
26	.....	27.22	27.28	27.22	27.20	27.22	27.19	27.17	27.20	.....	27.25	27.29
27	.....	27.27	27.28	27.26	27.18	27.21	27.18	27.18	27.20	.....	27.26	27.33
28	.....	27.25	27.29	27.20	27.18	27.29	27.19	27.19	27.18	27.24	27.28	27.32
29	.....		27.27	27.23	27.21	27.22	27.19	27.20	27.22	27.26	27.29	27.27
30	.....		27.28	27.24	27.18	27.22	27.18	27.20	27.26	27.26	27.25	27.29
31	.....		27.28		27.21		27.18	27.20		27.24		27.26

113-63-2bbbb1--Continued.

Daily noon water level from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.27	27.35	27.33	27.46	27.44	27.48	27.45	27.53	27.51	27.56	27.54	27.55
2	27.29	27.36	27.35	27.41	27.43	27.46	27.46	27.51	27.51	27.55	27.57	27.56
3	27.31	27.36	27.35	27.40	27.44	27.48	27.50	27.49	27.50	27.52	27.56	27.57
4	27.31	27.38	27.35	27.44	27.48	27.48	27.48	27.50	27.54	27.50	27.52	27.57
5	27.30	27.34	27.38	27.47	27.48	27.48	27.47	27.52	27.53	27.49	27.54	27.60
6	27.32	27.36	27.38	27.47	27.46	27.48	27.46	27.51	27.54	27.54	27.57	27.57
7	27.32	27.35	27.37	27.45	27.48	27.49	27.45	27.52	27.51	27.56	27.57	27.57
8	27.29	27.33	27.34	27.46	27.46	.....	27.49	27.52	27.50	27.50	27.54	27.62
9	27.32	27.35	.....	27.46	27.48	.....	27.49	27.49	27.49	27.52	27.52	27.62
10	27.31	27.38	27.33	27.43	27.48	27.52	27.49	27.51	27.54	27.50	27.48	27.62
11	27.29	27.38	27.33	27.43	27.47	27.52	27.50	27.52	27.54	27.51	27.54	27.63
12	27.32	27.38	27.38	27.46	27.46	27.52	27.49	27.52	27.49	27.53	27.56	27.58
13	27.30	27.37	27.38	27.46	27.47	27.52	27.50	27.50	27.49	27.54	27.58	27.59
14	27.27	27.37	27.38	27.45	27.48	27.52	27.51	27.50	27.52	27.54	27.52	27.59
15	27.31	27.36	27.38	27.44	27.47	27.52	27.51	27.51	27.47	27.53	27.55	27.64
16	27.32	27.36	27.43	27.47	27.48	27.51	27.51	27.51	27.47	27.57	27.54	27.56
17	27.32	27.34	27.42	27.44	27.48	27.51	27.51	27.49	27.48	27.55	27.58	27.58
18	27.32	27.37	27.39	27.43	27.48	27.51	27.51	27.50	27.52	27.54	27.55	27.61
19	27.32	27.36	27.40	27.39	27.48	27.51	27.52	27.50	27.53	27.52	27.54	27.65
20	27.29	27.37	27.43	27.44	27.47	27.51	27.51	27.49	27.50	27.57	27.57	27.61
21	27.29	27.37	27.43	27.46	27.46	27.51	27.50	27.51	27.52	27.55	27.52	27.60
22	27.31	27.36	27.38	27.44	27.45	.....	27.50	27.52	27.55	27.52	27.56	27.55
23	27.30	27.38	27.43	27.44	27.48	.....	27.52	27.52	27.55	27.56	27.58	27.50
24	27.30	27.39	27.43	27.45	27.47	.....	27.49	27.51	27.56	27.53	27.58	27.56
25	27.32	27.36	27.44	27.46	27.47	.....	27.48	27.50	27.57	27.52	27.58	27.64
26	27.33	27.39	27.45	27.43	27.44	.....	27.49	27.50	27.52	27.50	27.57	27.62
27	27.33	27.36	27.45	27.44	27.45	27.50	27.51	27.50	27.52	27.50	27.59	27.58
28	27.33	27.34	27.43	27.46	27.47	27.45	27.51	27.52	27.50	27.54	27.60	27.59
29	27.33		27.43	27.46	27.50	27.45	27.51	27.52	27.53	27.54	27.61	27.61
30	27.35		27.42	27.46	27.48	27.45	27.50	27.54	27.54	27.52	27.60	27.62
31	27.33		27.46		27.46		27.50	27.54		27.52		27.58

113-63-34cddc1. U. S. Bureau of Reclamation. Drilled observation artesian well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 138 feet, seal set at 70. Land-surface datum is 1,304 feet above msl. Highest water level 3.46 below lsd, June 4, 1952; lowest 7.55 below lsd, Oct. 24, 1955. Records available: 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	6.10	Apr. 19	5.88	July 22	6.33	Oct. 24	7.55
Feb. 15	6.22	May 19	5.99	Aug. 18	6.73	Dec. 31	7.49
Mar. 14	6.15	June 24	6.10	Sept. 15	7.11		

113-63-34cddc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 40 feet, seal set at 1. Land-surface datum is 1,304 feet above msl. Highest water level 1.53 below lsd, Apr. 14, 1952; lowest 12.02 below lsd, Dec. 31, 1955. Records available: 1950-55.

Jan. 14	9.29	May 19	7.68	Aug. 18	8.12	Oct. 24	9.50
Feb. 15	10.35	June 24	8.32	Sept. 15	8.79	Dec. 31	12.02
Apr. 19	7.13	July 22	6.83				

113-65-34cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1 inch, depth 40 feet. Land-surface datum is 1,380.4 feet above msl. Highest water level 4.77 below lsd, May 4, 1953; lowest 18.90 below lsd, Dec. 31, 1955. Records available: 1950-55.

Jan. 14	15.79	Apr. 19	14.48	July 25	15.50	Oct. 24	17.04
Feb. 15	16.11	May 19	15.42	Aug. 17	15.99	Dec. 31	18.90
Mar. 17	15.67	June 24	15.20	Sept. 15	16.45		

Brown County

122-64-36ccdd1. U. S. Bureau of Reclamation. Drilled observation water-table well in sediments of Pleistocene age, diameter 4 inches, depth 148 feet, perforations 6-48. Land-surface datum is 1,298.7 feet above msl. Highest water level 13.8 below lsd, July 3, 1953; lowest 21.6 below lsd, Dec. 29-31, 1955. Records available: 1953-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.4	20.6	20.6	e19.4	....	17.8	18.1	19.1	19.9	20.7	21.0	....
2	20.5	20.6	20.6	e19.4	....	17.9	18.1	19.1	20.0	20.6	....	....
3	20.4	20.6	20.6	e19.3	....	17.9	18.1	19.2	20.0	20.6	....	....
4	20.5	20.5	20.6	e19.3	....	17.9	18.1	19.3	20.1	20.5	....	....
5	20.5	20.6	20.5	e19.2	....	17.9	18.1	19.3	20.1	20.6	....	....
6	20.4	20.5	20.5	e19.1	....	17.9	18.1	19.4	20.1	20.7	....	....
7	20.4	20.5	20.5	e19.1	....	17.9	18.1	19.3	20.1	20.6	....	....
8	20.4	20.7	20.6	e19.2	....	18.0	18.1	19.3	20.1	20.6	....	....
9	20.5	20.6	20.7	e19.2	....	17.9	18.3	19.5	20.3	20.6	....	....
10	20.4	20.6	20.6	e19.1	....	17.9	18.3	19.5	20.3	20.6	....	....
11	20.5	20.6	20.5	e19.0	....	17.9	18.2	19.5	20.2	20.6	....	....
12	20.5	20.6	20.4	e19.0	....	17.9	18.3	19.5	20.1	20.7	....	....
13	20.3	20.6	e20.2	e18.8	....	17.9	18.3	19.5	20.2	20.7	....	....
14	20.3	20.5	e20.1	e19.0	....	17.9	18.4	19.6	20.2	20.7	....	....
15	20.5	20.5	e20.1	e18.9	....	17.9	18.4	19.5	20.1	20.7	....	....
16	20.6	20.6	e19.9	e18.8	17.8	17.9	18.5	19.5	20.2	20.8	....	....
17	20.6	20.4	e19.9	e18.8	17.8	17.9	18.5	19.6	20.3	20.8	....	....
18	20.6	20.3	e19.9	e18.7	17.8	17.9	18.5	19.7	20.4	20.8	....	....
19	20.4	20.5	e19.8	e18.7	17.7	17.9	18.6	19.7	20.4	20.8	....	....
20	20.5	20.5	e19.8	e18.6	17.7	18.0	18.6	19.7	20.1	20.8	....	....
21	20.5	20.5	e19.7	e18.6	17.7	18.0	18.6	19.8	20.4	20.8	....	....
22	20.5	20.3	e19.7	e18.6	17.7	18.0	18.6	19.7	20.5	20.9	....	....
23	20.5	20.5	e19.6	e18.5	17.8	18.0	18.7	19.7	20.5	20.8	....	....
24	20.6	20.5	e19.6	e18.4	17.8	17.9	18.8	19.8	20.4	20.8	....	....
25	20.6	20.4	e19.7	e18.3	17.7	18.0	18.6	19.7	20.3	20.8	....	....
26	20.5	20.4	e19.7	e18.2	17.6	18.0	18.8	19.8	20.4	20.8	....	....
27	20.6	20.4	e19.7	e18.1	17.8	18.0	18.9	19.9	20.2	20.9	....	....
28	20.5	20.5	e19.6	e18.0	18.0	18.0	18.9	19.9	20.2	20.9	....	....
29	h20.53		e19.5	....	17.9	18.0	18.9	20.0	20.5	20.9	....	21.6
30	20.5		e19.5	....	17.8	17.9	19.0	20.0	20.5	20.8	....	21.6
31	20.6		e19.4		17.8		19.1	20.0		21.0		21.6

e Estimated.
h Tape measurement.

126-61-6aa1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter $\frac{3}{4}$ inch, depth 17 feet. Land-surface datum is 1,296.2 feet above msl. Highest water level 4.61 below lsd, May 27, 1952; lowest 10.88 below lsd, Sept. 27, 1955. Records available: 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 29	8.81	June 29	8.73	Aug. 29	10.40	Oct. 26	10.87
Apr. 27	8.29	July 27	9.75	Sept. 27	10.88	Nov. 29	10.65
May 26	8.84						

126-62-3bb1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 14 feet. Land-surface datum is 1,302.9 feet above msl. Highest water level 4.05 below lsd, Apr. 10, 1951; lowest 14.6 below lsd, Feb. 6, 1951. Records available: 1950-55.

Mar. 29	(f)	June 29	14.08	Aug. 29	(f)	Oct. 26	(f)
Apr. 27	(f)	July 27	14.27	Sept. 27	(f)	Nov. 29	(f)
May 26	(f)						

f Dry. Well has silted up to 14.2 feet.

126-62-34ab1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 16 feet. Land-surface datum is 1,290.5 feet above msl. Highest water level 2.51 below lsd, June 2, 1951; lowest 8.36 below lsd, Nov. 28, 1955. Records available: 1950-55.

Mar. 29	7.00	June 29	6.37	Aug. 29	7.81	Oct. 26	8.29
Apr. 27	6.34	July 27	6.96	Sept. 27	8.16	Nov. 28	8.36
May 26	6.66						

127-61-19dd1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 15 feet. Land-surface datum is 1,290.2 feet above msl. Highest water level 0.80 below lsd, June 1, 1951; lowest 6.26 below lsd, Apr. 2, 1953. Records available: 1950-55.

Mar. 29	4.65	June 29	3.91	Aug. 29	5.47	Oct. 26	5.90
Apr. 27	3.88	July 27	4.90	Sept. 27	5.89	Nov. 29	5.87

128-61-26bbb1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 25 feet. Land-surface datum is 1,296.9 feet above msl. Highest water level 7.09 below lsd, May 27, 1952; lowest 16.44 below lsd, Nov. 29, 1955. Records available: 1950-55.

Mar. 28	13.40	June 29	14.39	Aug. 29	15.54	Oct. 26	16.38
Apr. 27	13.66	July 27	15.14	Sept. 27	16.14	Nov. 29	16.44
May 26	14.45						

Charles Mix County

95-65-9aacd1. U. S. Army Corps of Engineers. Drilled unused artesian well in Codell sandstone member of Carlile shale, diameter 12 to 8 inches, depth 380 feet, cased to 350. Land-surface datum is 1,474.9 feet above msl. Highest water level 214.34 below lsd, Dec. 23, 1955; lowest 236.66 below lsd, Apr. 19, 1953. Records available: 1952-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	216.96	.....	215.73	215.99	215.70	215.13	215.25	214.86	214.86	214.56	214.78
2	.....	217.02	216.60	215.48	215.97	215.81	215.16	215.20	214.72	214.78	214.75	214.83
3	217.00	.....	216.71	215.32	216.07	215.71	215.24	215.11	214.75	214.66	214.66	214.84
4	216.88	.....	216.72	215.43	216.24	215.74	215.23	215.10	214.86	214.53	214.54	214.93
5	216.94	.....	216.95	215.66	216.25	215.59	215.20	215.09	214.89	214.44	214.70	214.65
6	217.04	.....	216.87	215.75	216.10	215.62	215.14	215.05	214.89	214.68	214.80	214.65
7	216.89	.....	216.76	215.67	216.30	215.65	215.01	215.05	214.86	214.74	215.01	214.93
8	216.82	.....	216.67	215.60	216.23	215.67	215.15	214.89	214.70	214.57	214.76	215.01
9	217.02	.....	216.63	215.63	216.18	215.57	215.17	214.83	214.64	214.57	214.72	214.95
10	216.97	.....	216.46	215.61	216.29	215.56	215.09	214.98	214.97	214.51	214.44	215.00
11	216.92	.....	216.52	215.59	216.24	215.54	215.08	214.95	214.96	214.52	214.90	214.84
12	217.10	.....	216.80	215.74	216.19	215.52	215.09	214.85	214.73	214.63	214.98	214.66
13	216.91	.....	216.73	215.76	216.22	215.51	215.08	214.84	214.67	214.67	215.12	214.92
14	216.92	.....	216.66	215.78	216.24	215.50	215.07	214.87	214.84	214.58	214.81	215.04
15	216.97	.....	216.77	215.74	216.18	215.47	215.06	214.92	214.65	214.54	214.95	214.72
16	217.01	.....	216.72	215.94	216.20	215.46	215.07	214.82	214.69	214.71	215.09	214.72
17	217.08	.....	216.63	215.77	216.23	215.42	215.08	214.78	214.71	214.66	215.09	214.75
18	217.12	.....	216.41	215.75	216.17	215.43	215.09	214.83	214.84	214.60	215.04	215.01
19	217.01	.....	216.43	215.57	216.15	215.42	215.07	214.79	214.90	214.52	214.88	214.87
20	216.82	.....	216.42	215.83	216.11	215.43	215.03	214.76	214.73	214.70	214.95	214.78
21	216.83	.....	216.32	215.88	216.06	215.46	214.97	214.81	214.71	214.66	214.73	214.60
22	216.93	.....	216.00	215.76	215.99	215.40	215.01	214.88	214.83	214.52	215.12	214.41
23	216.72	.....	216.24	215.77	216.11	215.31	.....	214.74	214.91	214.68	215.04	214.34
24	216.87	.....	216.28	215.98	216.08	215.25	.....	214.75	214.98	214.55	215.12	214.87
25	216.94	.....	216.23	216.00	216.03	215.29	.....	214.72	215.02	214.48	215.92	214.84

95-65-9aacd1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	217.12	.....	216.25	215.83	215.82	215.28	.....	214.73	214.84	214.37	215.09	214.82
27	216.90	.....	216.05	215.93	215.83	215.25	.....	214.75	214.74	214.45	215.07	214.64
28	216.85	.....	215.84	216.15	215.91	215.23	.....	214.73	214.70	214.50	215.18	214.83
29	216.98		215.77	216.16	216.02	215.11	.....	214.80	214.71	214.53	215.12	215.01
30	216.85		215.67	216.11	215.91	215.09	.....	214.91	214.84	214.42	214.84	214.92
31	216.88		215.70		215.77		.....	214.94		214.45		214.65

Custer County

D-6-8-13aad1. W. H. Schneider. Dug unused well in alluvial sand and gravel of Quaternary age, diameter 5 feet, depth 18 feet. Land-surface datum is 2,961.7 feet above msl. Highest water level 13.85 below lsd, Aug. 9, 1946; lowest 16.41 below lsd, Oct. 14, 1954. Records available: 1946-52, 1954. Measurement discontinued.

D-6-8-26aac1. W. B. Englebrecht. Dug unused well, diameter 4 feet, depth 38 feet. Land-surface datum is 3,041 feet above msl. Highest water level 31.41 below lsd, July 2, 1947; lowest 37.48 below lsd, Sept. 5, 1946. Records available: 1946-52, 1954-55. July 15, 33.34; Oct. 7, 34.29; Dec. 14, 33.15.

D-6-9-8ccb1. U. S. Government. Dug unused well in terrace sand and gravel of Quaternary age, diameter 5 feet, depth 39 feet. Land-surface datum is 2,973.8 feet above msl. Highest water level 32.47 below lsd, Dec. 14, 1955; lowest 35.90 below lsd, July 2, 1948. Records available: 1946-52, 1954-55. July 16, 35.70; Dec. 14, 32.47.

D-6-9-8dcc2. U. S. Government. Dug unused well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 21 feet. Land-surface datum is 2,965.3 feet above msl. Highest water level 16.33 below lsd, Dec. 10, 1947; lowest 18.07 below lsd, Oct. 14, 1954. Records available: 1946-52, 1954-55. July 16, 17.90; Oct. 7, 17.12; Dec. 14, 17.40.

D-6-9-18acc2. U. S. Government. Dug unused well in alluvial sand and gravel of Quaternary age, diameter 5 feet, depth 11 feet. Land-surface datum is 2,952 feet above msl. Highest water level 3.85 below lsd, Dec. 14, 1955; lowest 8.61 below lsd, July 15, 1955. Records available: 1946-52, 1954-55. July 15, 8.61; Oct. 7, 4.17; Dec. 14, 3.85.

Davison County

103-61-13ca1. H. J. Carstens. Dug domestic well in glacial drift, diameter 30 inches, depth 24 feet. Highest water level 6.42 below lsd, Feb. 27, 1952; lowest 13.36 below lsd, Nov. 29, 1955. Records available: 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	8.91	Apr. 5	7.88	Aug. 23	11.88	Oct. 4	12.67
Mar. 10	8.31	June 1	8.93	Sept. 7	12.37	Nov. 2	12.70
24	8.52	23	9.04	15	12.50	29	13.36

Fall River County

D-7-7-25ccc1. U. S. Government. Dug unused well in alluvial sand and gravel of Quaternary age, diameter 4 feet, depth 13 feet. Land-surface datum is 3,067 feet above msl. Highest water level 5.24 below lsd, Oct. 6, 1955; lowest 12.21 below lsd, Oct. 14, 1954. Records available: 1946-55. July 15, 8.05; Oct. 6, 5.24; Dec. 14, 5.65.

D-7-7-27bab1. C. Fleming. Dug unused well in alluvial sand and gravel of Quaternary age, diameter 4 feet, depth 22 feet. Land-surface datum is 2,954.8 feet above msl. Highest water level 7.40 below lsd, July 5, 1955; lowest 19.40 below lsd, July 2, 1948. Records available: 1946-55. July 15, 7.40; Oct. 6, 11.00; Dec. 14, 13.68.

D-7-8-14cdd1. Ward Gamet. Drilled unused well in eolian sand of Quaternary age, diameter 24 inches, depth 58 feet. Land-surface datum is 3,064 feet above msl. Highest water level 40.62 below lsd, Dec. 14, 1955; lowest 50.13 below lsd, Oct. 14, 1954. Records available: 1946-55. July 15, 45.14; Oct. 6, 40.70; Dec. 14, 40.62.

D-7-8-19cab1. W. G. Tice. Dug unused well in terrace sand and gravel of Quaternary age, diameter 25 inches, depth 16 feet. Land-surface datum is 3,041.3 feet above msl. Highest water level 6.44 below lsd, Oct. 6, 1955; lowest 14.98 below lsd, Oct. 8, 1952. Records available: 1946-55. July 15, 9.43; Oct. 6, 6.44; Dec. 14, 7.30.

D-7-8-33bbb1. L. A. Gorr. Formerly A. J. Segar. Dug unused well, diameter 4 feet, depth 26 feet. Land-surface datum is 3,156.7 feet above msl. Highest water level 12.98 below lsd, Oct. 6, 1955; lowest 23.45 below lsd, June 5, 1946. Records available: 1946-52, 1954-55. Oct. 6, 12.98; Dec. 14, 15.22.

D-8-6-13bad1. H. J. Larson. Dug domestic well in eolian sand of Quaternary age, diameter 24 inches, depth 13 feet. Land-surface datum is 3,213.1 feet above msl. Highest water level 8.70 below lsd, Aug. 4, 1947; lowest 11.28 below lsd, July 15, 1955. Records available: 1946-55. July 15, 11.28; Oct. 6, 10.75; Dec. 14, 10.84.

D-8-7-5acc1. E. Hagerman. Dug unused well in terrace sand and gravel of Quaternary age, diameter 36 inches, depth 49 feet. Land-surface datum is 3,116 feet above msl. Highest water level 15.25 below lsd, Oct. 6, 1955; lowest 45.62 below lsd, June 4, 1947. Records available: 1946-55. July 15, 23.34; Oct. 6, 15.25; Dec. 14, 16.57.

D-8-7-6dcd1. A. Mills. Dug domestic and stock well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 37 feet. Land-surface datum is 3,128 feet above msl. Highest water level 15.43 below lsd, Oct. 6, 1955; lowest 36.80 below lsd, Oct. 14, 1954. Records available: 1946-55. July 15, 20.47; Oct. 6, 15.43; Dec. 14, 19.05.

D-8-7-7bbb2. Dewey Alders. Dug domestic and stock well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 16 feet. Land-surface datum is 3,110 feet above msl. Highest water level 1.35 above lsd, Oct. 6, 1955; lowest 7.98 below lsd, Aug. 7, 1946. Records available: 1946-55. July 15, +0.88; Oct. 6, +1.35.

D-8-7-8dcc1. Hazel Reigler. Dug unused well in eolian sand of Quaternary age, diameter 36 inches, depth 21 feet. Land-surface datum is 3,232 feet above msl. Highest 14.89 below lsd, Dec. 29, 1949; lowest 18.00 below lsd, Nov. 24, 1952. Records available: 1946-55. July 15, 15.03; Dec. 14, 17.54.

Haakon County

A-1-25-6dd1. A. Elrod. Dug stock well, diameter 24 inches, depth 30 feet. Highest water level 20.40 below lsd, May 13, 1953; lowest 23.95 below lsd, Feb. 5, 1951. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	22.72	June 13	22.52	Aug. 29	22.95	Nov. 2	22.98
Feb. 9	22.84	July 12	22.58	Sept. 13	22.93	9	22.93
Mar. 10	22.67	25	22.62	27	22.97	30	22.94
May 31	22.50	Aug. 16	22.76	Oct. 17	22.98	Dec. 20	22.95

Hand County

112-66-36dddd1. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 24 feet. Land-surface datum is 1,406.9 feet above msl. Highest water level 14.00 below lsd, Apr. 18, 1952, May 4, 1953; lowest 18.10 below lsd, Dec. 14, 1949. Records available: 1948-55.

Jan. 17	14.73	Apr. 13	14.84	July 25	14.89	Oct. 14	15.25
Feb. 17	14.76	May 18	14.86	Aug. 18	14.80	Nov. 22	17.45
Mar. 14	14.84	June 20	14.64	Sept. 19	15.12	Dec. 31	17.43

112-69-3dc1. C. Losey. Dug stock well in glacial drift, diameter 4 feet, depth 30 feet. Highest water level 2.41 below lsd, May 5, 1953; lowest 19.42 below lsd, Nov. 28, 1948. Records available: 1946-55.

Jan. 17	10.37	Apr. 13	8.83	June 20	7.79	Sept. 12	8.92
Feb. 14	10.63	18	8.02	July 11	6.82	Oct. 6	9.34
Mar. 17	10.65	May 9	8.08	Aug. 2	7.45	Nov. 3	9.73
24	10.37	June 1	8.15	22	8.35	Dec. 1	10.34

113-67-34cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 40 feet. Land-surface datum is 1,468 feet above msl. Highest water level 2.51 below lsd, Apr. 14, 1952; lowest 10.78 below lsd, Oct. 15, 1952. Records available: 1950-55.

Jan. 14	9.26	Apr. 19	7.39	July 25	8.01	Sept. 15	9.60
Feb. 15	9.40	May 18	8.11	Aug. 17	8.84	Oct. 24	10.28
Mar. 17	6.67	June 24	7.94				

115-66-2aaaa1. U. S. Bureau of Reclamation. Drilled observation artesian well in glacial drift, diameter 4 inches, depth 149 feet, cased to 62, perforations 40-61, seal set at 40. Land-surface datum is 1,359.65 feet above msl. Highest water level 19.98 below lsd, Aug. 29, 1953; lowest 23.75 below lsd, Dec. 10, 1955. Records available: 1953-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.34	22.76	22.65	23.05	22.78	22.75	22.26	22.22	22.32	22.72	22.68	22.82
2	22.32	22.86	22.82	22.80	22.67	22.82	22.33	22.12	22.28	22.62	22.92	22.88
3	22.64	22.96	22.87	22.70	22.75	22.75	22.45	22.10	22.26	22.50	22.92	22.94
4	22.50	22.78	22.91	22.78	22.98	22.76	22.41	22.28	22.48	22.40	22.70	23.02
5	22.54	.....	23.15	23.00	23.03	22.71	22.38	22.34	22.32	22.26	22.60	23.10
6	22.67	22.83	23.08	23.16	22.83	22.72	22.27	22.32	22.45	22.60	22.88	22.82
7	22.51	.....	22.92	23.12	23.02	22.78	22.20	22.40	22.32	22.68	23.00	22.92
8	22.36	.....	22.82	22.92	22.93	22.82	22.40	22.22	22.24	22.48	22.90	23.28
9	22.63	22.77	22.78	22.98	22.92	22.73	22.45	22.20	22.18	22.48	22.65	23.22
10	22.58	.....	22.55	22.92	23.00	22.80	22.40	22.38	22.58	22.42	22.35	23.75
11	22.43	.....	22.73	22.82	22.96	22.77	22.35	22.32	22.52	22.38	22.68	23.20
12	22.65	22.86	23.08	22.92	22.92	22.72	22.32	22.20	22.22	22.62	22.85	22.85
13	22.48	22.75	22.94	22.92	22.93	22.71	22.38	22.15	22.22	22.68	23.06	23.00
14	22.32	22.78	22.99	22.90	22.99	22.71	22.37	22.20	22.42	22.70	22.82	23.19
15	22.56	.....	23.16	22.80	22.93	22.64	22.37	22.30	22.12	22.55	22.74	23.28
16	22.66	22.81	23.19	22.96	22.93	22.60	22.35	22.20	22.25	22.80	22.78	22.90
17	22.75	.....	22.99	22.85	22.97	22.53	22.37	22.12	22.26	22.75	23.08	23.02
18	22.84	22.81	22.89	22.70	22.98	22.52	22.37	22.20	22.42	22.70	22.92	23.32
19	22.77	22.83	22.95	22.58	22.94	22.53	22.34	22.18	22.54	22.60	22.90	.....
20	22.47	.....	23.16	22.56	22.90	22.52	22.24	22.15	22.38	22.80	22.90	.....
21	22.44	.....	23.07	22.90	22.83	22.59	22.22	22.30	22.35	22.80	22.78	.....
22	22.62	.....	22.72	22.82	22.74	22.55	22.30	22.38	22.56	22.60	22.75	.....
23	22.55	.....	22.93	22.68	22.92	22.58	22.35	22.28	22.60	22.84	23.12	.....
24	22.60	.....	23.08	22.84	22.93	22.45	22.15	22.26	22.70	22.80	22.98	.....
25	22.77	.....	23.14	22.88	22.80	22.47	22.10	22.18	22.75	22.62	23.10	.....
26	22.99	.....	23.14	22.73	22.67	22.50	22.23	22.20	22.50	22.50	22.86	.....
27	22.66	.....	23.09	22.68	22.73	22.48	22.32	22.30	22.45	22.50	23.10	22.99
28	22.88	h22.70	22.87	22.97	22.87	22.40	22.20	22.26	22.35	22.70	23.12	23.25
29	22.72		22.83	22.95	23.03	22.28	22.12	22.28	22.48	22.75	23.20	23.48
30	22.63		22.87	22.90	22.85	22.30	22.15	22.42	22.66	22.65	23.10	23.40
31	22.58		23.03		22.70		22.26	22.45		22.46		23.15

h Tape measurement.

115-66-2aaaa3. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 4 inches, depth 26 feet, perforations 0-26. Land-surface datum is 1,355.9 feet above msl. Highest water level 16.36 below lsd, Sept. 29, 1954; lowest 21.37 below lsd, Dec. 28-30, 1955. Records available: 1954-55.

Daily noon water level from recorder graph, 1954

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 29	17.32	Aug. 14	18.81	Oct. 2	17.64	Oct. 17	18.05
30	17.40	15	18.87	3	17.83	18	18.05
31	17.50	16	18.91	4	17.95	19	18.06
Aug. 1	17.62	17	18.95	5	17.98	20	18.06
2	17.67	18	18.99	6	17.99	21	18.07
3	17.78	19	19.02	7	18.00	22	18.07
4	17.88	20	19.04	8	18.00	23	18.08
5	18.00	21	19.05	9	18.01	24	18.08
6	18.09	22	19.08	10	18.01	25	18.09
7	18.18	23	19.10	11	18.02	26	18.09
8	18.27	24	19.12	12	18.02	27	18.10
9	18.37	Sept. 2	17.96	13	18.03	28	18.13
10	18.48	29	16.36	14	18.03	Nov. 29	19.76
11	18.55	30	16.94	15	18.04	Dec. 29	18.47
12	18.64	Oct. 1	17.35	16	18.04	30	18.63
13	18.74						

Daily noon water level from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	21.06	21.07	21.05	20.79	20.43	20.40	20.59	20.65	20.85
2	.....	.....	.....	20.92	21.03	21.09	20.76	20.36	20.32	20.56	20.79	20.88
3	.....	.....	.....	20.87	21.02	21.05	20.85	20.35	20.31	20.49	20.80	20.95
4	.....	.....	.....	20.97	21.16	21.07	20.82	20.41	20.39	20.42	20.69	21.00
5	.....	.....	.....	21.12	21.20	21.03	20.76	20.46	20.41	20.33	20.62	21.05

115-66-2aaaa3--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	.....	.....	21.20	21.02	21.05	20.70	20.45	20.42	20.50	20.80	20.88
7	.....	.....	.....	21.14	21.17	21.10	20.63	20.50	20.40	20.58	20.86	20.94
8	.....	.....	.....	21.09	21.20	21.14	20.67	20.39	20.31	20.48	20.87	21.12
9	.....	.....	.....	21.10	21.10	21.10	20.74	20.36	20.24	20.47	20.68	21.15
10	.....	.....	.....	21.06	21.19	21.15	20.72	20.45	20.46	20.44	20.50	21.14
11	.....	.....	.....	21.02	21.17	21.15	20.67	20.42	20.47	20.39	20.66	21.16
12	.....	.....	.....	21.11	21.13	21.13	20.64	20.36	20.34	20.54	20.78	21.14
13	.....	.....	.....	21.08	21.14	21.14	20.65	20.34	20.28	20.59	20.91	21.00
14	.....	.....	.....	21.04	21.18	21.12	20.65	20.32	20.38	20.57	20.84	21.10
15	.....	.....	.....	21.07	21.12	21.10	20.61	20.37	20.24	20.52	20.75	21.21
16	.....	.....	.....	21.12	.....	21.07	20.59	20.35	20.29	20.66	20.76	20.96
17	.....	.....	.....	21.01	21.15	21.02	20.59	20.29	20.27	20.63	20.95	21.07
18	.....	.....	.....	20.98	.....	21.03	20.60	20.30	20.37	20.62	20.85	21.15
19	.....	.....	.....	20.87	21.14	21.03	20.57	20.29	20.44	20.55	20.87	21.26
20	.....	.....	.....	21.01	21.11	21.06	20.53	20.28	20.37	20.69	20.82	21.14
21	.....	.....	.....	21.08	21.06	21.09	20.50	20.32	20.34	20.69	20.79	21.09
22	.....	.....	.....	20.97	21.01	21.08	20.52	20.37	20.45	20.58	20.80	20.95
23	.....	.....	.....	21.01	21.10	21.02	20.55	20.32	20.49	20.72	21.00	20.85
24	.....	.....	.....	21.11	21.09	20.98	20.49	20.28	20.56	20.67	20.96	21.04
25	.....	.....	.....	21.09	21.06	21.00	20.41	20.27	20.61	20.61	21.00	21.23
26	.....	.....	.....	21.06	20.99	20.99	20.45	20.26	20.51	20.54	20.84	21.23
27	.....	.....	.....	.....	20.95	20.95	20.52	20.31	20.42	20.52	21.00	21.10
28	.....	20.75	.....	21.13	21.04	20.90	20.44	20.29	20.35	20.64	21.03	21.37
29	19.18		.....	21.19	21.17	20.82	20.39	20.32	20.42	20.68	21.08	21.37
30	.....		20.96	21.18	21.10	20.75	20.39	20.39	20.55	20.67	21.08	21.37
31	.....		21.08		21.02		20.44	20.43		20.55		21.21

Marshall County

126-58-8cc1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 21 feet. Land-surface datum is 1,311.1 feet above msl. Highest water level 9.64 below lsd, Apr. 21, 1954; lowest 15.88 below lsd, Apr. 10, 1951. Records available: 1950-55. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 28	14.62	May 27	14.35	June 30	14.46	Aug. 30	14.91
Apr. 28	14.34	June 23	12.11	July 28	14.59	Sept. 28	15.08

127-58-19cc1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 15 feet. Land-surface datum is 1,291.6 feet above msl. Highest water level 1.89 below lsd, May 27, 1952; lowest 8.51 below lsd, Sept. 28, 1955. Records available: 1950-55.

Mar. 28	6.63	June 30	6.73	Aug. 30	8.29	Oct. 27	8.45
Apr. 28	6.50	July 28	7.71	Sept. 28	8.51	Nov. 30	8.49
May 27	6.83						

127-59-33ad1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 21 feet. Land-surface datum is 1,289.4 feet above msl. Highest water level 3.88 below lsd, May 28, 1952; lowest 9.59 below lsd, Nov. 30, 1955. Records available: 1950-55.

Mar. 28	8.15	June 30	8.07	Aug. 30	9.08	Oct. 27	9.38
Apr. 28	7.74	July 28	8.81	Sept. 28	9.30	Nov. 30	9.59
May 27	7.89						

Minnehaha County

101-49-33bb1. C. Donaldson. Dug unused well, diameter 30 inches, depth 14 feet. Highest water level 7.34 below lsd, Apr. 30, 1952; lowest 13.40 below lsd, Sept. 14, 1955. Records available: 1946-55.

Jan. 7	9.28	May 9	9.49	Aug. 17	11.50	Oct. 19	10.50
Feb. 16	8.80	June 21	9.20	30	9.60	Nov. 14	10.70
Mar. 24	9.50	July 7	9.41	Sept. 14	13.40	Dec. 16	10.54
Apr. 19	10.40	20	10.40				

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Pennington County

A-1-8-17ddd1. E. H. Hoff. Dug unused stock well in alluvial sand and gravel, diameter 5 feet, depth 16 feet. Highest water level 3.58 below lsd, May 19, 1950; lowest 16.19 below lsd, Sept. 16, 1955. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	15.84	Apr. 2	14.42	July 25	15.15	Oct. 26	15.85
Feb. 15	14.93	May 26	12.95	Aug. 17	14.01	Nov. 25	15.43
Mar. 18	13.00	June 14	13.29	Sept. 16	16.19	Dec. 23	15.37

A-1-14-29cdcc1. M. Trask. Dug stock well, diameter 36 inches, depth 14 feet. Highest water level 1.54 below lsd, Mar. 9, 1949; lowest 10.94 below lsd, Aug. 12, 1955. Records available: 1946-55. Listed in previous reports as A-1-14-5ab1.

Jan. 6	6.28	Apr. 19	3.90	July 11	5.88	Oct. 5	7.39
Feb. 15	6.09	May 10	4.12	Aug. 12	10.94	Nov. 21	6.52
Mar. 16	4.42	June 1	4.76	Sept. 15	7.50		

Sanborn County

108-61-31bc1. George Doering. Drilled domestic artesian well in Niobrara formation, diameter 3 inches, depth 150 feet. Highest water level 6.16 below lsd, June 13, 1946; lowest 11.56 below lsd, Oct. 15, 1952. Records available: 1946-47, 1949-55. Apr. 7, 10.88.

108-62-1cc1. Mrs. A. Nielson. Dug domestic well in glacial drift, diameter 36 inches, depth 53 feet. Highest water level 33.80 below lsd, June 4, 1947; lowest 49.16 below lsd, May 12, 1950. Records available: 1947-55. Apr. 7, 47.26.

Spink County

114-64-11bbbb1. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 4 inches, depth 60 feet. Land-surface datum is 1,310.8 feet above msl. Highest water level 3.98 below lsd, June 20-30, July 1-2, 1953; lowest 8.92 below lsd, Aug. 22, 1955. Records available: 1953-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.68	6.88	6.89	6.55	6.50	6.77	6.60	8.01	8.19	8.25	8.14	7.97
2	6.70	6.90	6.91	6.52	6.49	6.68	6.53	8.10	8.11	8.17	8.15	7.96
3	6.73	6.94	6.91	6.48	6.54	6.62	6.55	8.18	8.07	8.09	8.02	7.95
4	6.73	6.91	6.92	6.47	6.68	6.61	6.56	8.28	8.05	8.05	8.08	7.89
5	6.73	6.86	6.97	6.49	6.76	6.58	6.57	8.33	8.00	8.10	8.06	7.91
6	....	6.88	6.96	6.53	6.70	6.57	6.62	8.34	7.99	8.20	8.07	7.89
7	....	6.88	6.96	6.53	6.71	6.57	....	8.44	7.91	8.25	8.09	7.90
8	....	6.86	6.94	6.52	6.77	6.58	6.61	8.33	7.94	8.28	8.06	7.96
9	....	6.88	6.92	6.51	6.77	6.57	6.62	8.38	7.90	8.30	8.03	7.97
10	....	6.93	6.85	6.50	6.84	6.56	6.54	8.45	7.92	8.31	7.97	7.98
11	....	6.93	6.83	6.47	6.82	6.56	6.54	8.49	7.90	8.32	7.97	7.98
12	....	6.96	6.83	6.47	6.89	6.56	6.60	8.50	7.85	8.34	7.98	7.97
13	....	6.93	6.78	6.47	6.85	6.56	6.60	8.53	7.81	8.27	8.02	7.94
14	....	6.93	6.76	6.47	6.85	6.56	6.61	8.57	7.89	8.30	8.00	7.96
15	....	6.92	6.76	6.44	6.84	6.56	6.62	8.44	7.92	8.32	7.99	7.98
16	....	6.93	6.76	6.48	6.83	6.55	6.64	8.47	7.90	8.37	7.98	7.95
17	....	6.91	6.72	6.46	6.85	6.54	6.65	8.60	7.86	8.30	8.00	7.95
18	....	6.93	6.68	6.42	6.94	6.54	6.67	8.66	7.87	8.32	8.00	7.96
19	....	6.91	6.66	6.39	6.97	6.54	6.69	8.70	7.93	8.34	7.99	8.02
20	....	6.81	6.67	6.39	7.03	6.55	6.68	8.75	8.00	8.31	7.99	8.01
21	....	6.86	6.67	6.45	6.98	6.57	6.66	8.83	8.06	8.23	7.97	8.00
22	....	6.90	6.60	6.45	7.02	6.61	6.76	8.92	8.04	8.17	7.97	7.95
23	....	6.93	6.60	6.44	7.03	6.70	6.94	8.83	8.01	8.28	8.00	7.91
24	....	6.96	6.62	6.50	6.98	6.75	7.05	8.85	8.05	8.31	8.00	7.90
25	....	6.91	6.63	6.51	6.95	6.79	7.20	8.86	8.11	8.40	8.01	7.98
26	....	6.94	6.63	6.49	6.85	6.82	7.35	8.66	8.06	8.44	7.97	7.99
27	....	6.93	6.63	6.45	6.78	6.83	7.49	8.57	8.06	8.42	7.99	7.97
28	....	6.90	6.60	6.48	6.78	6.74	7.63	8.53	7.98	8.34	8.00	7.99
29	6.88		6.58	6.50	6.81	6.66	7.70	8.41	8.09	8.27	8.02	8.04
30	6.88		6.55	6.50	6.80	6.63	7.86	8.30	8.24	8.20	8.02	8.04
31	6.86		....		6.78		8.05	8.20		8.14		8.02

114-64-11bbbb2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1 inch, depth 20 feet, perforations 12-20, seal set at 12. Land-surface datum is 1,311.0 feet above msl. Highest water level 5.13 below lsd, May 21, 1953; lowest 8.69 below lsd, Nov. 23, 1955. Records available: 1953-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	8.11	Apr. 13	7.44	July 19	7.33	Oct. 21	8.52
Feb. 16	8.11	May 18	7.71	Aug. 18	7.91	Nov. 23	8.69
Mar. 14	7.47	June 23	7.67	Sept. 15	8.21		

115-62-7ddddl. U. S. Bureau of Reclamation. Drilled observation well in lake sediments of Pleistocene age, diameter 1¼ inches, depth 25 feet. Land-surface datum is 1,294.1 feet above msl. Highest water level 23.60 below lsd, July 1, 1949; lowest 25.5 below lsd, Mar. 1, 1949. Records available: 1948-55.

Jan. 17	24.29	Apr. 14	24.36	July 19	24.22	Oct. 19	24.31
Feb. 14	24.34	May 20	24.32	Aug. 10	24.25	Nov. 23	24.31
Mar. 22	24.34	June 23	24.22	Sept. 14	24.29		

115-63-4aaaal. U. S. Bureau of Reclamation. Drilled observation water-table well in lake sediments of Pleistocene age, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,293.8 feet above msl. Highest water level 10.80 below lsd, July 26, Aug. 26, 1948; lowest 17.60 below lsd, Sept. 22, 1950. Records available: 1948-55.

Jan. 17	14.89	Apr. 14	15.52	July 19	15.05	Oct. 19	15.41
Feb. 17	15.15	May 20	15.15	Aug. 10	15.07	Nov. 23	15.58
Mar. 12	15.32	June 23	14.99	Sept. 16	15.24	Dec. 29	15.75

115-65-28aaaal. U. S. Bureau of Reclamation. Drilled observation artesian well in glacial drift, diameter 8 inches, depth 107 feet, cased to 105, perforations 58-105, seal set at 58. Land-surface datum is 1,340.4 feet above msl. Highest water level 22.02 below lsd, June 27, 1953; lowest 25.70 below lsd, Aug. 27, 1955. Records available: 1951-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.80	23.93	23.92	23.58	23.56	23.73	23.60	.....	25.50	24.72	24.64	24.62
2	23.83	23.95	23.94	23.56	23.56	23.67	23.60	.....	25.47	24.72	24.67	24.62
3	23.84	23.98	23.94	23.51	23.56	23.63	23.63	.....	25.47	24.70	24.67	24.62
4	23.84	23.98	23.95	23.50	23.60	23.63	23.64	.....	25.39	24.67	24.66	24.55
5	23.84	23.94	23.99	23.53	23.64	23.62	23.66	.....	25.26	24.65	24.64	24.57
6	23.87	23.92	23.98	23.57	23.61	23.60	23.66	.....	25.21	24.67	24.66	24.56
7	23.87	23.94	23.98	23.57	23.65	23.60	23.65	.....	25.12	24.68	24.68	24.56
8	23.86	23.94	23.95	23.56	23.66	23.60	23.67	.....	25.09	24.67	24.66	24.62
9	23.87	23.92	23.93	23.56	23.65	23.60	23.71	.....	25.02	24.67	24.62	24.63
10	23.88	23.92	23.89	23.56	23.75	23.59	23.71	.....	25.02	24.66	24.59	24.63
11	23.88	23.94	23.88	23.52	23.88	23.59	23.71	.....	25.02	24.64	24.59	24.63
12	23.88	23.98	23.91	23.53	24.00	23.59	23.73	.....	24.96	24.66	24.62	24.60
13	23.89	23.98	23.87	23.54	23.99	23.59	23.71	.....	24.91	24.67	24.65	24.50
14	23.85	23.99	23.85	23.54	23.95	23.59	23.77	.....	24.91	24.67	24.65	24.60
15	23.87	23.97	23.85	23.52	23.90	23.59	23.99	.....	24.86	24.67	24.62	24.64
16	23.89	23.97	23.82	23.54	23.88	23.59	24.12	25.27	24.85	24.69	24.62	24.58
17	23.92	23.97	23.76	23.54	23.88	23.59	24.32	25.15	24.85	24.69	24.63	24.58
18	23.94	23.96	23.72	23.49	23.86	23.59	24.25	25.17	24.83	24.68	24.63	24.61
19	23.94	23.96	23.69	23.47	23.85	23.60	24.52	25.17	24.84	24.67	24.63	24.64
20	23.91	23.94	23.70	23.47	23.84	23.61	24.58	25.23	24.84	24.67	24.63	24.62
21	23.91	23.94	23.68	23.52	23.85	23.62	24.56	25.42	24.76	24.68	24.63	24.61
22	23.91	23.95	23.62	23.53	23.83	23.62	24.56	25.28	24.79	24.67	24.62	24.57
23	23.92	23.91	23.60	23.51	23.78	23.62	24.81	25.32	24.78	24.67	24.65	24.54
24	23.91	23.85	23.63	23.52	23.79	23.62	24.92	25.36	24.78	24.67	24.65	24.57
25	23.93	23.89	23.63	23.54	23.79	23.63	24.81	25.53	24.79	24.65	24.65	24.63
26	23.97	23.90	23.63	23.54	23.77	23.65	24.82	25.54	24.75	24.65	24.63	24.63
27	23.96	23.92	23.63	23.52	23.71	23.65	24.82	25.70	24.73	24.65	24.64	24.64
28	23.96	23.92	23.60	23.53	23.73	23.57	24.82	25.57	24.70	24.65	24.65	24.67
29	23.94		23.58	23.56	23.78	23.57	25.00	25.44	24.70	24.66	24.67	24.71
30	23.95		23.57	23.57	23.78	23.58	.....	25.50	24.72	24.66	24.67	24.71
31	23.94		23.57		23.77		.....	25.52		24.64		24.70

116-64-3db1. L. J. Hillested. Dug domestic well in glacial drift, diameter 18 inches, depth 22 feet. Highest water level 9.86 below lsd, July 3, 1953; lowest 13.78 below lsd, Mar. 18, 1951. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	12.08	Mar. 24	12.12	June 1	12.22	Nov. 3	12.17
Feb. 15	12.04	Apr. 22	12.05	23	11.81	30	12.29
Mar. 17	12.22	May 11	12.17	July 13	11.45		

120-63-6bbbb1. U. S. Bureau of Reclamation. Drilled observation well in lake sediments of Pleistocene age, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,297.4 feet above msl. Highest water level 16.52 below lsd, July 15, 1954; lowest 21.00 below lsd, Apr. 20, 1950. Records available: 1948-52, 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	17.74	Apr. 12	17.76	July 13	17.57	Oct. 17	18.03
Feb. 14	17.87	May 16	17.62	Aug. 10	17.63	Nov. 18	18.21
Mar. 11	17.99	June 21	17.56	Sept. 14	17.83	Dec. 29	18.37

120-64-16dddd1. U. S. Bureau of Reclamation. Drilled observation water-table well in lake sediments of Pleistocene age, diameter 1¼ inches, depth 26 feet. Land-surface datum is 1,293.2 feet above msl. Highest water level 13.12 below lsd, June 14, 1954; lowest dry, Mar. 21, Apr. 20, May 22, 1950. Records available: 1948-52, 1954-55.

Jan. 17	19.15	Apr. 12	15.58	July 12	16.10	Oct. 17	19.91
Feb. 14	19.28	May 16	15.75	Aug. 10	17.89	Nov. 18	20.08
Mar. 11	18.83	June 21	15.55	Sept. 14	19.38		

Union County

95-50-8ab1. J. J. Dolan. Dug unused well in sand and gravel of Pleistocene age, diameter 24 inches, depth 42 feet. Highest water level 0.51 below lsd, Apr. 11, 1947; lowest 11.87 below lsd, Dec. 16, 1955. Records available: 1936-44, 1946-55.

Jan. 7	7.30	May 23	8.13	Aug. 30	10.03	Oct. 19	11.01
26	8.04	June 21	8.00	Oct. 9	11.34	Dec. 16	11.87
Apr. 19	7.88	July 20	9.12				

Walworth County

121-76-2dc2. Norman Anderson. Dug stock well in alluvial sand and gravel, diameter 18 inches, depth 15 feet. Highest water level 3.25 below lsd, June 20, 1953; lowest 11.10 below lsd, Sept. 27, 1949. Records available: 1947, 1949-55.

Jan. 20	a7.33	Mar. 21	a8.30	June 24	6.69	Aug. 26	7.74
Feb. 17	7.15	May 13	5.85	July 14	9.04	Nov. 1	8.02

a Pumping.

Yankton County

93-56-14aa1. Mrs. J. N. Kayser. Drilled well, depth 80 feet. Highest water level 37.52 below lsd, June 26, 1951; lowest 47.52 below lsd, June 11, 1947. Records available: 1946-55.

Jan. 20	45.12	Apr. 20	45.30	July 23	43.69	Oct. 20	45.35
Mar. 2	44.70	May 25	44.90	Aug. 26	45.30	Nov. 15	45.50
23	44.75	June 20	45.42	Sept. 20	45.40	Dec. 22	45.07

WISCONSIN

By R. E. Audini and W. K. Summers

Scope of Water-Level Program

The observation-well program was continued in 1955 in cooperation with the University of Wisconsin. Measurements were made in 249 wells--5 with nonrecording gages, and 31 with recording gages. The State Conservation Department measured 9 wells in the northern part and 5 wells in the southwestern part of the State. Four wells in northern Forest County and one in Marinette County, all near the Michigan boundary, were measured as a part of ground-water studies in the Northern Peninsula of Michigan. Figures 42-46 show the location of observation wells throughout Wisconsin. Areal studies of ground-water resources were continued in Portage, Fond du Lac, and Waushara Counties, and in the lead-zinc area of southwestern Wisconsin. The study of Outagamie County was completed and a new study was begun in Rock County.

Precipitation and Temperature

The normal annual precipitation in Wisconsin is 30.33 inches. The total for 1955 was 27.82 inches, 2.51 inches below normal and 8.14 inches below that for 1954. Precipitation was greater than normal during 3 months: April had 0.43 inch more than normal; July 1.53 inches; and October 0.80 inch. Precipitation in the remaining months ranged below normal from 0.18 inch during February to 2.02 inches during September. Drought conditions existed in southern and central Wisconsin during late August and September.

The average temperature in 1955 was 44.5°F, which was 1.1° above the annual average of 43.4° and 0.2° below 1954. During 3 months in 1955, average temperatures were below normal: March, 2.3°; November, 4.4°; and December, 4.7°. Temperature variations above normal for the other 9 months ranged from 0.2° in February to 7.5° in April.

Pumpage

Total pumpage for 1955 was greater than for 1954. In the Green Bay area, municipal and industrial pumpage was increased. In the Milwaukee-Waukesha area, municipal use of water was 13 percent greater than in 1954. The data available from industries in the Milwaukee area do not show a significant increase in the use of ground water for manufacturing. Within the last 2 years, the drilling of several large wells to obtain water from the sandstone aquifer and of many domestic and industrial wells to obtain water from the Niagara dolomite caused an overall increase in pumpage. Because of insufficient rainfall and an increase in the number of farms having irrigation facilities, irrigation pumpage for 1955 was greater than in 1954, especially in central Wisconsin.

Interpretation of Water-Level Fluctuations

Static water levels in three artesian wells penetrating the sandstone aquifer are shown in figure 47. The fluctuations of the water level in well Bn 9 in Green Bay are a direct result of pumping in the area. Pumping in the Milwaukee area is reflected in the fluctuations of well Ml 36. Kenosha County well Ke 6 is near the coalescence of the Milwaukee and Chicago cones of depression. The continuous decline of the water levels in these wells is the cumulative result of prolonged heavy pumping. New alltime low water levels were reached during August and September, the months of heaviest pumping.

Hydrographs of static water levels in four water-table wells are shown in figure 48. An upward trend indicates recharge from precipitation and a downward trend indicates evapotranspiration and discharge to streams. The usual high water levels in the spring are dependent upon the accumulated snow cover, its rate of melting, spring rains, and whether or not the ground is frozen. Under normal conditions, water levels are highest in the spring and decline through the rest of the year. Lack of precipitation in winter and early spring and heavy rains in July caused highest water levels of 1955 to develop in midsummer and to decline through the rest of the year.

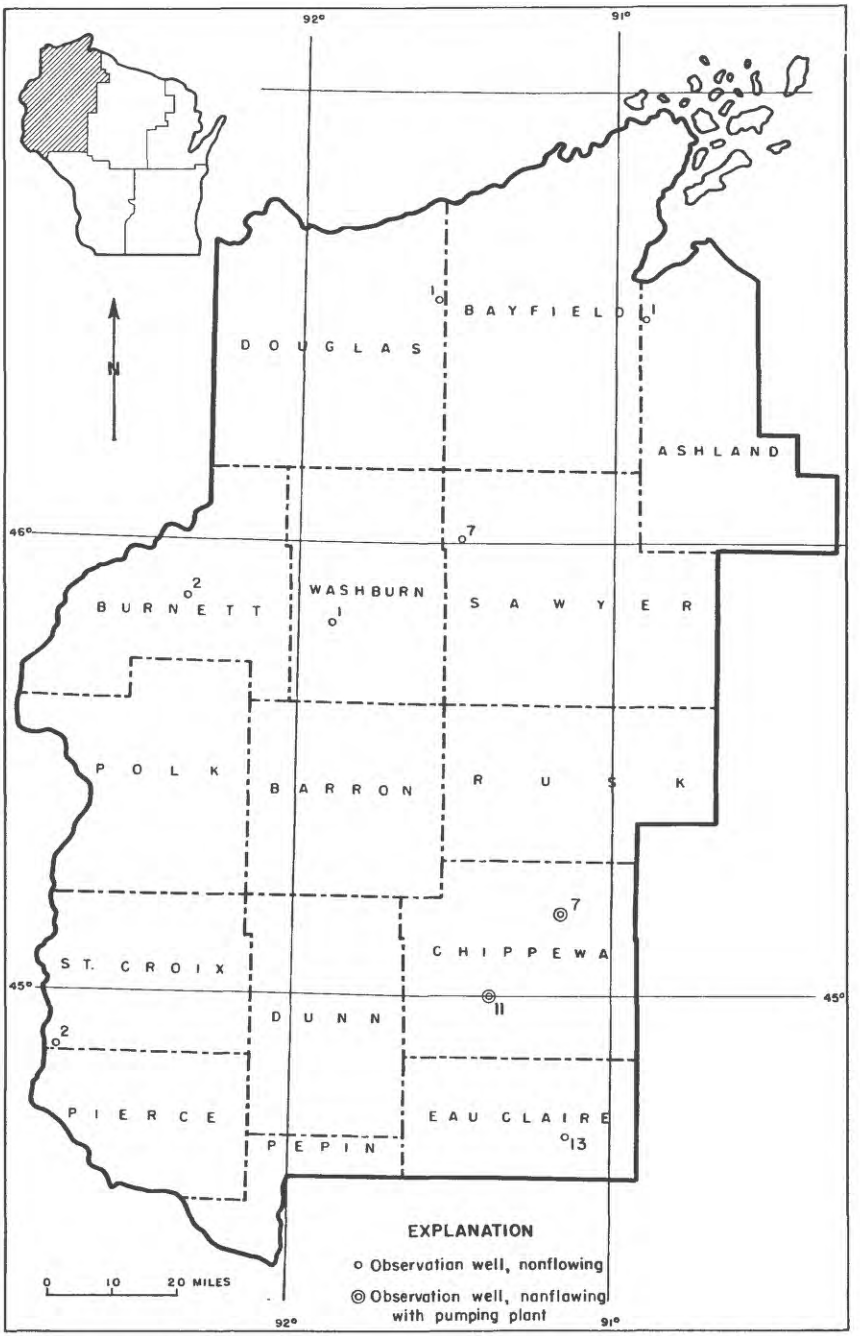

Figure 42.--Location of observation wells in northwestern Wisconsin, 1955.

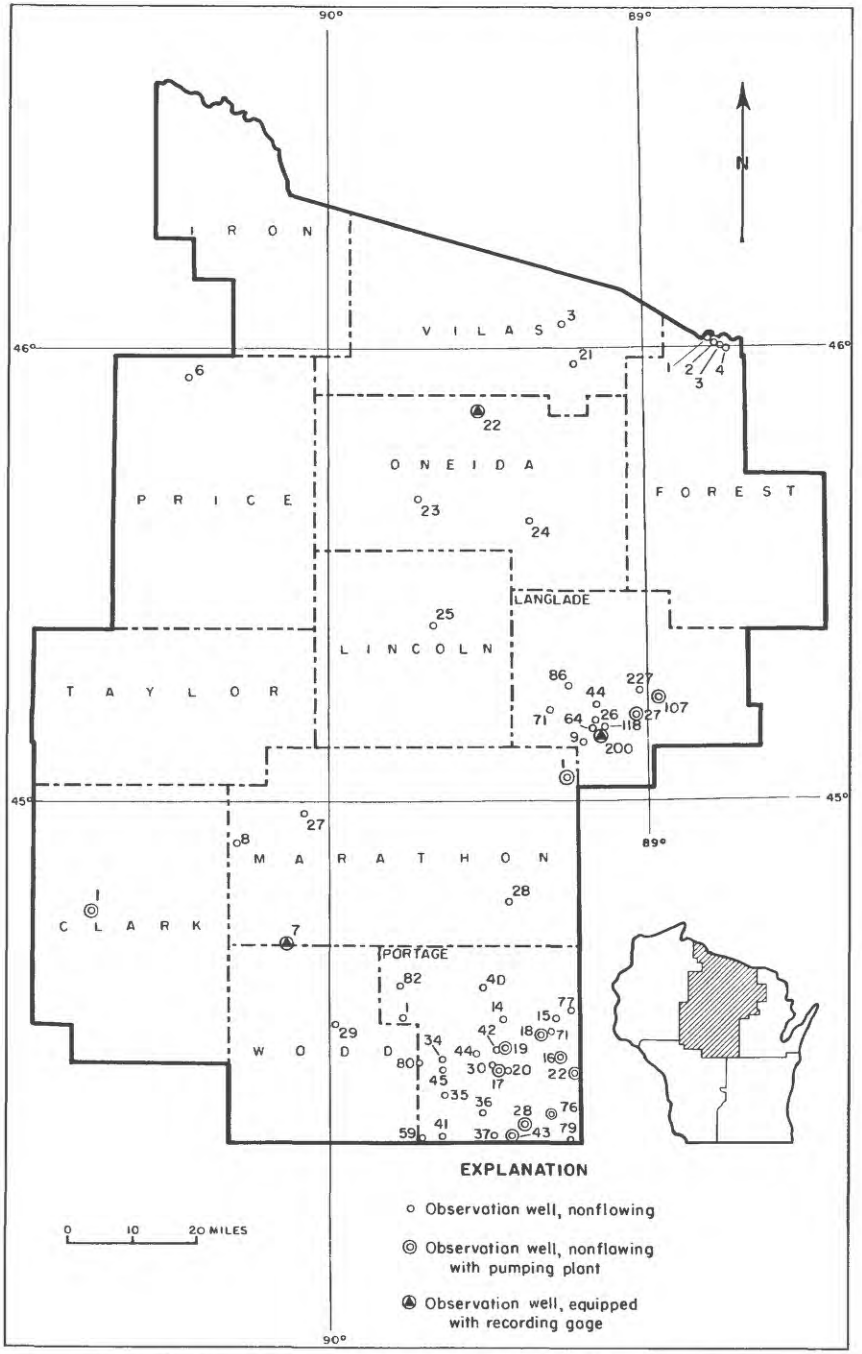

Figure 43. --Location of observation wells in north-central Wisconsin, 1955.

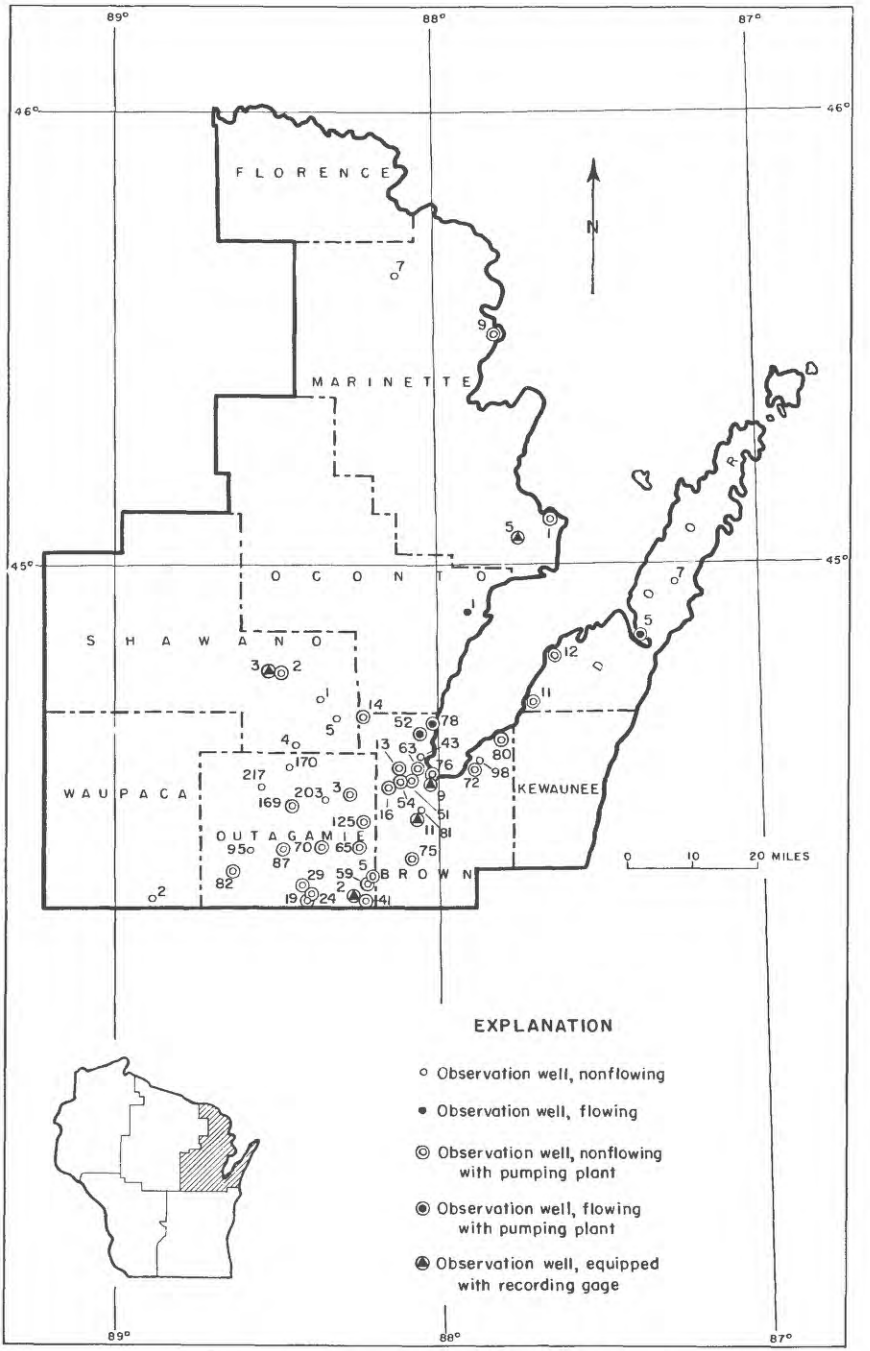

Figure 44. --Location of observation wells in northeastern Wisconsin, 1955.

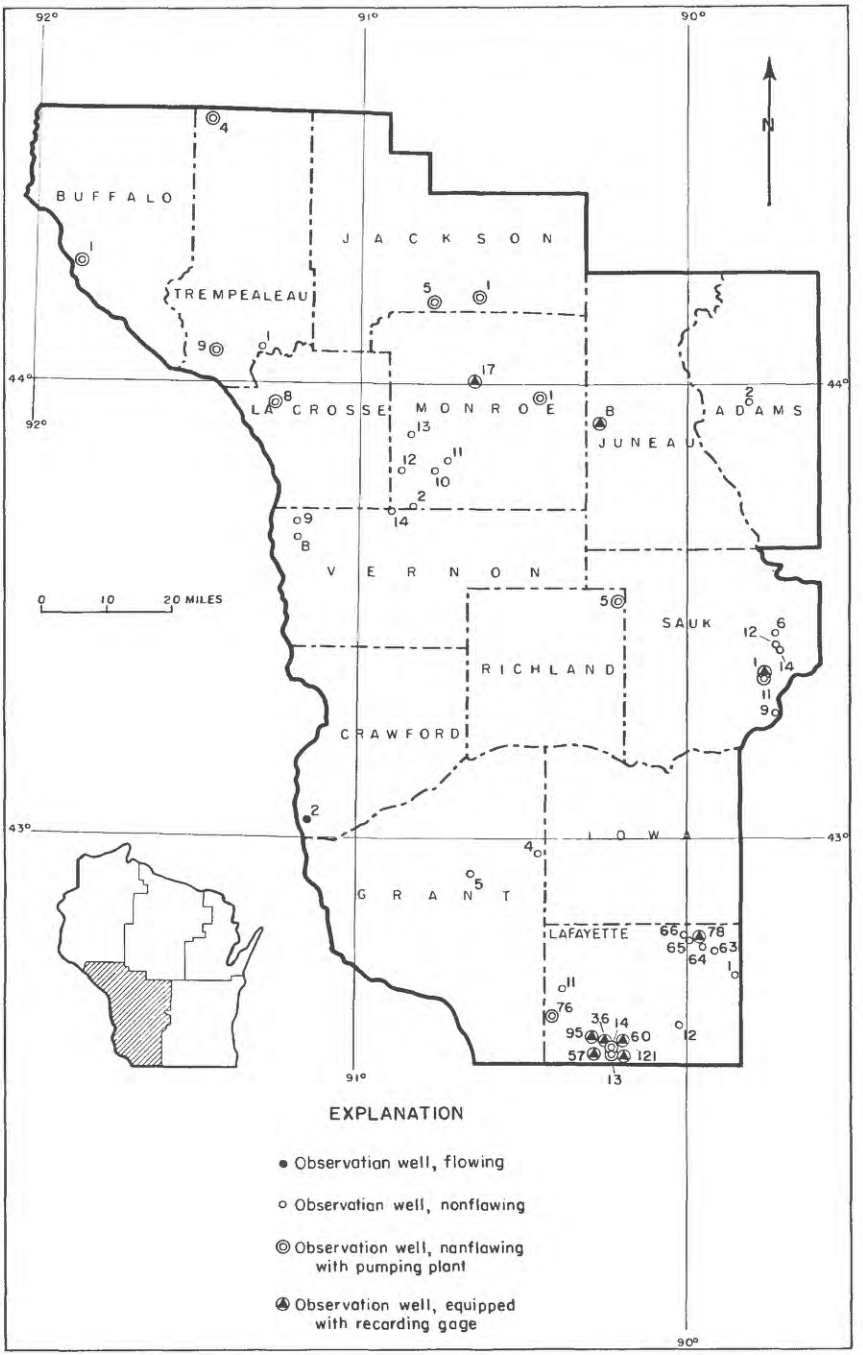

Figure 45. --Location of observation wells in southwestern Wisconsin, 1955.

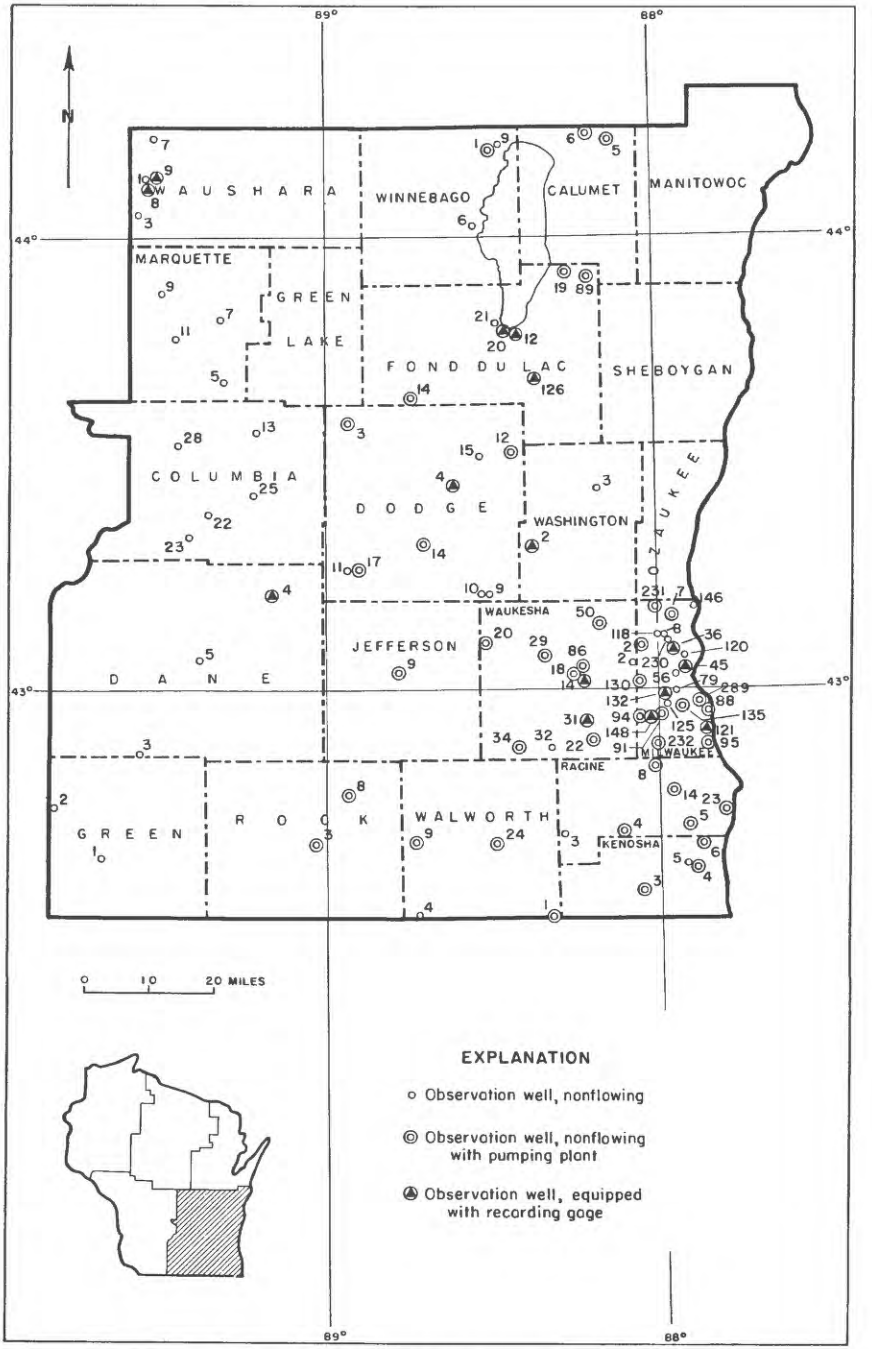

Figure 46.--Location of observation wells in southeastern Wisconsin, 1955.

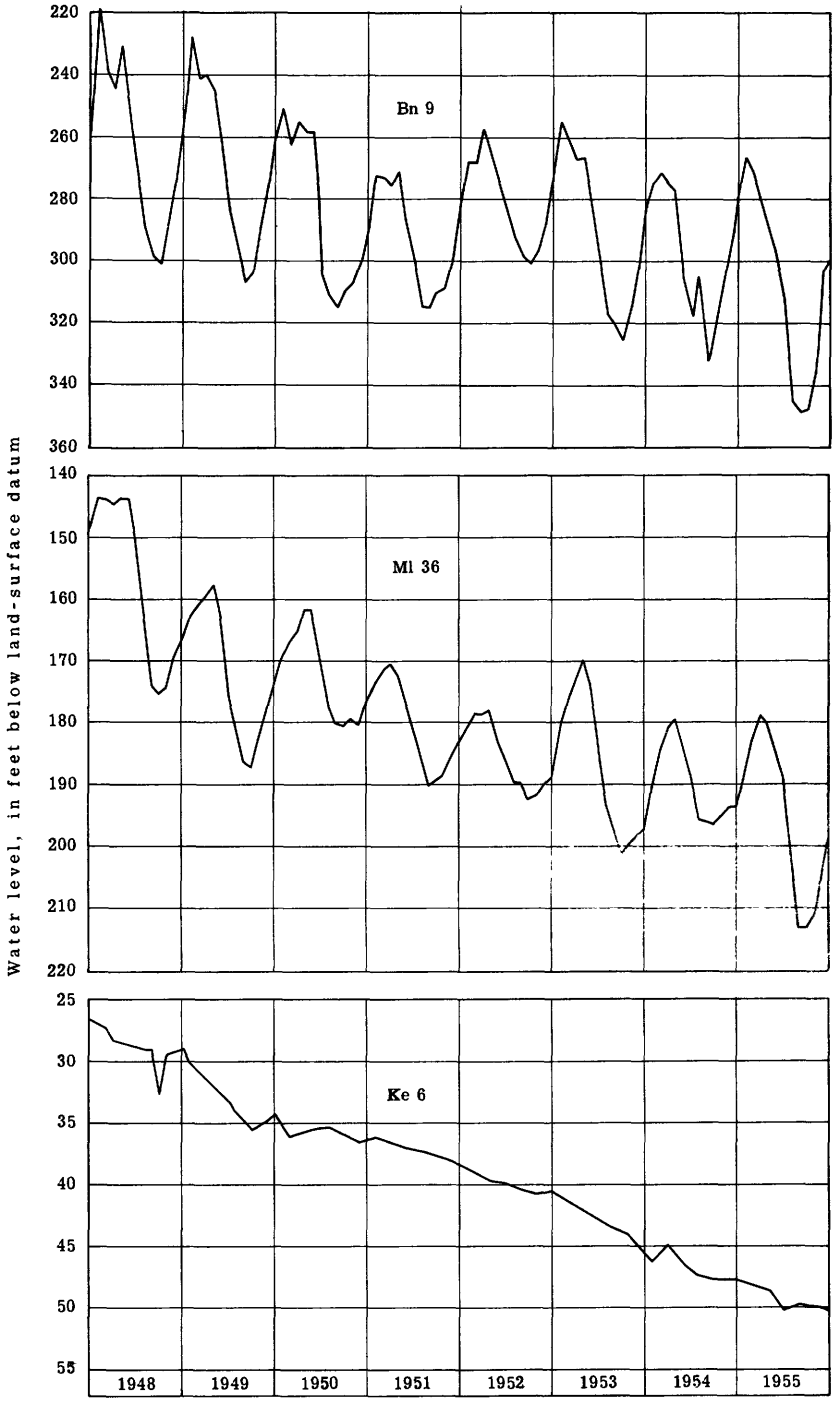

Figure 47.--Water levels in wells Bn 9, Ml 36, and Ke 6 in eastern Wisconsin.

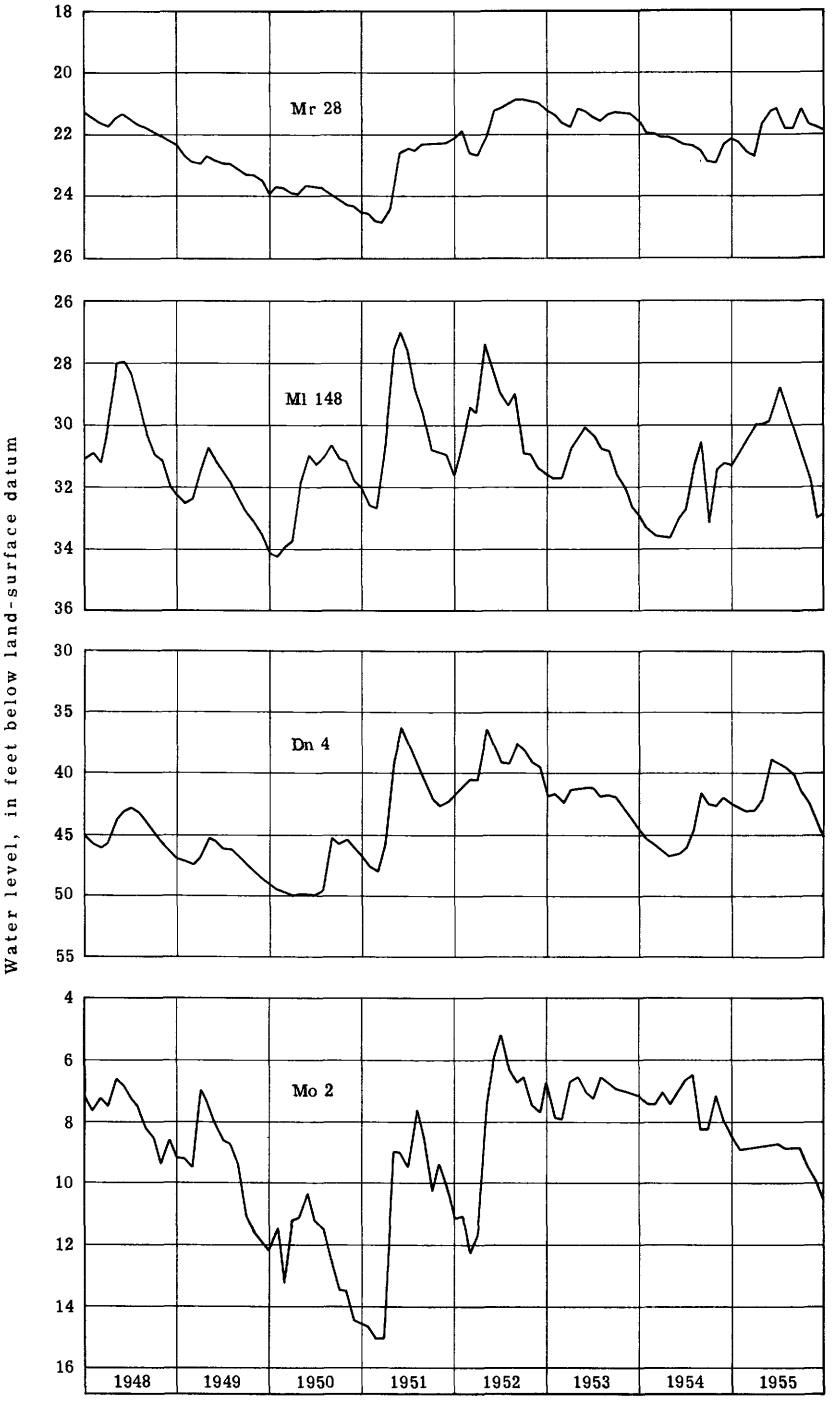

Figure 48.--Water levels in wells Mr 28, Ml 148, Dn 4, and Mo 2, Wisconsin.

Well-Numbering System

Wells are numbered consecutively within each county. The counties are designated by a two-letter abbreviation derived from the county name. For example, Bn 9 designates well 9 in Brown County.

Well Descriptions and Water-Level Measurements

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

Adams County

Ad 2. Wisconsin Conservation Department. NW¼SW¼ sec. 5, T. 17 N., R. 6 E. Jetted unused water-table well in sand of Pleistocene age, diameter 2 inches, depth 21 feet. Highest water level 12.96 below lsd, Aug. 18, 1952; lowest 16.69 below lsd, May 3, 1954. Records available: 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	13.63	Apr. 4	14.28	July 5	13.48	Oct. 4	14.42
11	13.65	11	14.27	12	13.48	10	14.52
17	13.68	18	14.20	18	13.48	17	14.62
24	13.73	25	14.16	25	13.53	24	14.72
31	13.77	May 2	14.08	Aug. 1	13.58	31	14.81
Feb. 7	13.83	9	13.98	8	13.64	Nov. 7	14.90
14	13.90	16	13.90	15	13.68	14	14.98
21	13.98	23	13.85	22	13.78	22	15.08
28	14.04	31	13.78	29	13.89	28	15.18
Mar. 7	14.10	June 6	13.65	Sept. 5	13.99	Dec. 5	15.26
14	14.24	13	13.63	12	14.10	12	15.34
21	14.20	20	13.55	19	14.19	19	15.4
28	14.24	27	13.50	26	14.30	28	15.52

Ashland County

As 1. Lake Superior District Power Co. NE¼NE¼ sec. 6, T. 46 N., R. 4 W. Drilled unused water-table well in sandstone, diameter 4 inches, reported depth 90 feet, cased to 15. Highest water level 1.05 below lsd, Apr. 10, 1950, Mar. 23, 1953; lowest 4.15 below lsd, Sept. 27, 1948. Records available: 1943-45, 1947-55. Jan. 3, 2.43.

Brown County

Bn 9. Larsen Canning Co. 320 North Broadway, Green Bay. Drilled unused artesian well in sandstone, diameter 8 inches, depth 800 feet. Land-surface datum is 591 feet above msl. Highest water level 210.87 below lsd, Apr. 19, 1948; lowest 351.83 below lsd, Aug. 25, 1955. Records available: 1947-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	258.91	257.35	.....	.....	277.21	299.30	.....	340.14	345.15	336.38	.....	.....
2	257.97	259.08	.....	.....	280.66	299.95	.....	341.42	348.90	336.27	.....	.....
3	263.47	257.42	.....	.....	280.50	301.40	.....	343.80	351.12	334.80	.....	.....
4	262.52	257.86	.....	.....	282.20	303.17	.....	345.19	346.70	336.00	.....	.....
5	265.50	258.47	.....	.....	283.23	300.16	.....	346.08	.....	336.43	.....	.....
6	265.62	254.00	.....	.....	283.81	303.25	.....	346.81	.....	336.43	.....	.....
7	264.15	259.81	.....	.....	279.30	304.88	.....	344.60	.....	335.88	.....	.....
8	264.35	257.20	.....	.....	276.53	303.83	.....	342.10	.....	334.68	.....	.....
9	261.65	256.70	.....	.....	278.25	305.14	.....	342.42	.....	333.70	.....	.....
10	261.82	257.32	.....	.....	278.65	309.64	.....	343.88	.....	330.14	.....	.....
11	265.98	259.85	.....	.....	281.40	309.78	.....	345.33	.....	330.70	.....	.....
12	265.74	259.00	.....	.....	281.98	302.08	.....	345.00	.....	332.61	.....	.....
13	264.61	256.58	.....	.....	282.43	305.95	.....	346.78	.....	334.67	.....	.....
14	263.54	259.21	269.01	.....	281.00	307.14	.....	343.22	347.96	334.52	.....	.....
15	.....	259.47	270.91	.....	279.27	306.02	.....	343.09	340.95	334.59	.....	.....
16	.....	259.76	271.06	.....	286.29	306.49	.....	346.38	343.60	332.00	.....	.....
17	.....	259.12	.....	.....	287.46	308.82	.....	348.87	343.45	327.60	.....	.....
18	.....	266.92	.....	.....	286.95	306.84	.....	351.15	341.15	329.95	.....	.....
19	.....	266.32	.....	274.91	287.18	303.12	.....	351.22	342.49	331.34	.....	.....
20	265.13	264.28	.....	276.42	286.64	306.12	.....	351.64	342.14	331.01	.....	.....

Bn 9--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	263.18	269.75	.....	278.80	.....	310.45	.....	350.10	342.23	329.62	.....	.....
22	260.43	268.80	.....	275.96	.....	311.00	.....	349.05	342.52	330.60	.....	.....
23	262.13	269.88	.....	287.29	.....	311.54	.....	351.69	340.73	327.66	.....	.....
24	261.17	270.07	.....	285.82	.....	311.38	.....	351.10	341.63	331.76	.....	.....
25	259.45	270.82	.....	289.50	291.71	309.40	.....	351.83	342.34	335.41	.....	.....
26	259.50	270.83	.....	282.68	292.54	.....	.....	347.66	337.72	333.55	.....	.....
27	257.90	.....	.....	282.49	296.28	.....	342.43	343.42	338.67	322.13	.....	.....
28	255.44	.....	.....	280.01	294.61	.....	345.89	.....	339.30	321.70	.....	.....
29	255.34		.....	282.27	290.03	.....	344.90	.....	.....	319.56	303.79	.....
30	251.46		.....	282.57	296.53	.....	345.45	.....	337.23	.....	.....	.....
31	255.18		.....		296.84		341.60	341.72		.....		.....

Bn 11. City of De Pere. Broadway and George Sts. Drilled unused artesian well in sandstone, diameter 12 inches, reported depth 835 feet. Land-surface datum is 612 feet above msl. Highest water level 85.32 below lsd, May 12, 1947; lowest 169.16 below lsd, Aug. 24, 1955. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	148.85	145.59	144.40	143.60	144.10	147.46	150.70	162.47	163.18	162.52	164.89	146.49
2	148.58	145.75	148.01	144.65	145.52	147.97	149.90	163.21	163.49	161.46	165.00	146.04
3	149.70	146.16	145.90	143.64	145.23	146.71	150.68	163.28	162.80	161.38	165.50	146.00
4	150.80	145.75	145.20	144.22	145.42	147.65	151.28	163.97	162.13	162.98	164.65	146.33
5	151.74	145.45	145.50	143.61	145.24	147.84	152.23	163.38	162.01	163.66	163.95	145.94
6	151.34	144.50	143.62	143.78	145.29	147.82	154.02	162.81	162.90	163.78	162.02	145.97
7	149.67	144.73	144.50	143.80	145.29	145.86	153.68	162.43	162.95	163.40	162.91	145.31
8	149.34	143.70	144.12	143.75	144.23	146.15	152.80	161.93	162.50	163.95	161.73	145.07
9	147.68	144.31	144.24	144.28	145.00	146.68	151.91	163.19	162.78	163.20	160.75	145.40
10	148.68	144.73	143.50	143.76	146.00	145.49	153.50	163.57	162.75	163.49	160.59	145.85
11	148.57	145.00	143.70	143.60	146.92	146.69	155.64	163.87	162.75	163.31	161.25	144.72
12	147.58	145.46	144.70	143.07	146.50	146.36	157.47	163.46	163.15	163.10	161.28	145.97
13	147.94	144.42	143.35	145.60	147.50	145.23	158.73	162.83	163.45	162.90	.....	145.45
14	148.45	145.10	.....	145.67	148.76	146.49	158.00	161.30	163.90	162.90	.....	144.78
15	.....	145.07	143.69	.....	147.40	147.58	156.22	163.80	164.10	162.60	.....	147.35
16	.....	145.26	144.25	.....	147.62	147.28	155.62	166.20	164.72	162.43	.....	147.62
17	.....	145.61	143.91	.....	148.37	147.72	157.34	167.60	165.70	162.39	.....	145.68
18	.....	145.62	144.10	144.15	149.44	148.68	158.46	167.85	166.25	162.39	.....	145.24
19	147.44	145.09	144.78	144.27	.....	149.26	159.62	168.15	164.87	162.76	.....	144.08
20	147.08	143.68	143.31	144.45	.....	149.98	.....	167.94	166.30	162.35	.....	144.93
21	146.20	144.41	143.64	145.04	.....	150.54	.....	167.40	166.10	162.50	.....	144.75
22	146.75	144.52	143.62	145.26	.....	152.66	.....	167.44	.....	162.57	.....	144.21
23	145.40	144.64	143.91	144.17	.....	149.48	.....	169.09	.....	162.72	.....	143.99
24	146.30	145.28	144.47	142.88	.....	151.45	.....	169.16	.....	161.70	.....	144.42
25	146.20	144.51	144.37	143.98	.....	150.30	.....	167.14	.....	161.93	.....	143.56
26	146.03	144.00	143.82	144.57	148.03	153.23	.....	165.80	.....	161.35	.....	142.65
27	146.00	143.99	143.41	144.98	147.67	154.54	159.62	.....	.....	160.78	.....	142.90
28	145.89	144.50	143.80	144.92	147.11	151.54	158.98	.....	.....	160.79	.....	143.08
29	145.92		143.90	145.82	146.29	151.15	161.59	.....	161.80	162.20	146.44	142.98
30	144.97		143.70	146.13	144.97	150.81	162.01	163.16	161.70	163.19	147.00	143.25
31	144.87		143.81		147.40		159.42	163.02		165.75		.....

Bn 13. William Herber. SW¼NE¼ sec. 18, T. 24 N., R. 20 E. Drilled stock artesian well in St. Peter sandstone and Platteville formation, diameter 6 inches, reported depth 250 feet, cased to 90. Land-surface datum is 681 feet above msl. Highest water level 12.13 below lsd, June 25, 1947; lowest 21.21 below lsd, Oct. 26, 1955. Records available: 1947-55. Jan. 21, 16.57; Mar. 15, 16.25; June 19, 15.96; Aug. 31, 19.64; Oct. 26, 21.21.

Bn 14. Village of Pulaski. NW¼NE¼ sec. 6, T. 25 N., R. 19 E. Drilled municipal artesian well in sandstone, diameter 12 inches, reported depth 330 feet, cased to 118. Land-surface datum is 803 feet above msl. Highest water level 31.89 below lsd, May 29, 1947; lowest 41.92 below lsd, Sept. 9, 1954. Records available: 1947-51, 1953-55. Jan. 21, 36.59; Mar. 16, 38.67; June 21, 39.00; Oct. 25, 41.04.

Bn 16. Frank Vandehei. SE¼NE¼ sec. 35, T. 24 N., R. 19 E. Drilled domestic stock artesian well in sandstone, diameter 8 inches, reported depth 800 feet. Land-surface datum is 659 feet above msl. Highest water level 3.98 below lsd, May 13, 1947; lowest 40.82 below lsd, Oct. 26, 1955. Records available: 1947-55. Mar. 15, 33.85; June 19, 31.73; Aug. 31, 39.02; Oct. 26, 40.82.

Bn 43. Harry Nick. SW¼SW¼ sec. 2, T. 24 N., R. 20 E. Drilled unused artesian well in St. Peter sandstone, diameter 5 inches, depth 297 feet. Highest water level 7.72 below lsd, Mar. 18, 1948; lowest 61.52 below lsd, Oct. 25, 1955. Records available: 1948-55. Jan. 20, 46.16; Mar. 15, 44.37; June 19, 36.94; Aug. 30, 60.76; Oct. 25, 61.52.

Bn 51. Larsen Orchards. NW¼NE¼ sec. 29, T. 24 N., R. 20 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 800 feet. Land-surface datum is 698 feet above msl. Highest water level 111.96 below lsd, Jan. 28, 1953; lowest 131.29 below lsd, Oct. 26, 1955. Records available: 1948-55. Jan. 21, 123.16; Mar. 15, 123.14; Aug. 31, 127.34; Oct. 26, 131.29.

Bn 52. Suamico Dairy and Locker Co. NE¼NE¼ sec. 22, T. 25 N., R. 20 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 540 feet. Land-surface datum is 606 feet above msl. Highest water level 7.00 above lsd, Sept. 22, 1949; lowest 2.51 below lsd, June 19, 1955. Records available: 1948-55. Jan. 20, 0.15; Mar. 15, 1.10; June 19, 2.51; Aug. 30, 0.69.

Bn 54. William Dulgar. SE¼NE¼ sec. 30, T. 24 N., R. 20 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 275 feet. Land-surface datum is 699 feet above msl. Highest water level 90.61 below lsd, June 10, 1949; lowest 103.57 below lsd, Aug. 31, 1955. Records available: 1948-55. Jan. 21, 98.52; Mar. 15, 100.82; Aug. 31, 103.57.

Bn 63. Joseph Michaels. SW¼NE¼ sec. 15, T. 24 N., R. 20 E. Drilled domestic stock artesian well in sandstone, diameter 6 inches, reported depth 404 feet, cased to 90. Land-surface datum is 596 feet above msl. Highest water level 93.44 below lsd, May 5, 1949; lowest 195.11 below lsd, Oct. 25, 1955. Records available: 1948-55. Jan. 20, 151.75; Mar. 14, 151.24; Oct. 25, 195.11.

Bn 72. Gregoire Denis. NE¼SE¼ sec. 13, T. 24 N., R. 21 E. Drilled domestic artesian well in sandstone, diameter 8 to 6 inches, reported depth 1,006 feet, cased to 400. Land-surface datum is 735 feet above msl. Highest water level 233 below lsd, Feb. 8, 1950; lowest 270.5 below lsd, Sept. 8, 1954. Records available: 1949-55. Jan. 19, 264.50.

Bn 75. Mrs. Len Keyser. NW¼NE¼ sec. 28, T. 22 N., R. 20 E. Drilled domestic stock artesian well in sandstone, diameter 6 inches, reported depth 726 feet. Land-surface datum is 710 feet above msl. Highest water level 97.52 below lsd, June 8, 1949; lowest 113.20 below lsd, Jan. 19, 1955. Records available: 1949-55. Jan. 19, 113.20; Mar. 14, 112.21; June 19, 111.93. Measurement discontinued.

Bn 76. Wisconsin Public Service Corp. SE¼NE¼ sec. 24, T. 24 N., R. 20 E. Drilled unused artesian well in sandstone, diameter 5 inches, reported depth 500 feet, cased to 150. Highest water level 166.33 below lsd, Apr. 26, 1950; lowest 248.97 below lsd, Aug. 30, 1955. Records available: 1950-55. Jan. 20, 195.16; Mar. 14, 194.27; June 21, 219.44; Aug. 30, 248.97; Oct. 26, 241.

Bn 78. Carl Jenkins. SW¼SW¼ sec. 7, T. 25 N., R. 21 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 198 feet. Highest water level 20.5 above lsd, Sept. 22, 1949; lowest 3.78 above lsd, Mar. 15, 1955. Records available: 1949-55. Jan. 20, +4.0; Mar. 15, +3.78; June 19, +5.02; Aug. 30, +6.5; Oct. 25, +6.95.

Bn 80. J. C. Pennings. NW¼SW¼ sec. 14, T. 25 N., R. 22 E. Drilled domestic artesian well in sandstone, diameter 8 inches, reported depth 1,043 feet. Highest water level 130.36 below lsd, Oct. 6, 1949; lowest 152.13 below lsd, Aug. 30, 1955. Records available: 1949-55. Jan. 19, 149.69; Mar. 15, 148.89; June 20, 148.52; Aug. 30, 152.13; Oct. 25, 139.02.

Bn 81. Robert Cowles. SE¼SE¼ sec. 15, T. 23 N., R. 20 E. Drilled unused well, diameter 6 inches. Highest water level 99.19 below lsd, May 24, 1950; lowest 105.01 below lsd, June 19, Oct. 25, 1955. Records available: 1949-55. Jan. 19, 102.96; Mar. 14, 102.04; June 19, 105.01; Aug. 30, 102.81; Oct. 25, 105.01. Measurement discontinued.

Bn 98. State Highway Commission. Green Bay. SW¼SE¼NW¼ sec. 7, T. 24 N., R. 22 E. Drilled unused artesian well in sandstone of Cambrian age, diameter 5 inches, reported depth 1,000 feet, cased to 225. Highest water level 221.37 below lsd, Mar. 17, 1953; lowest 234.95 below lsd, Nov. 16, 1954. Records available: 1953-55. Jan. 19, 229.10; Mar. 15, 232.04. Measurement discontinued.

Buffalo County

Bf 1. Donald C. DeMarce. SW¼SE¼ sec. 29, T. 21 N., R. 12 W. Drilled domestic water-table well in sandstone, diameter 4 inches, depth 78 feet. Highest water level 28.48 below lsd, June 4, 1952; lowest 31.01 below lsd, Jan. 12, 1949. Records available: 1947-55. Jan. 13, 29.23; Mar. 10, 29.32; May 10, 29.30; July 12, 29.27; Sept. 14, 29.51; Dec. 1, 29.43.

Burnett County

Bt 2. Wisconsin Conservation Department. NE¼NE¼ sec. 17, T. 39 N., R. 16 W. Drilled unused water-table well in sand of Pleistocene age, diameter 8 inches, depth 46 feet. Land-surface datum is 980 feet above msl. Highest water level 31.16 below lsd, July 20, 1952; lowest 34.99 below lsd, Mar. 25, 1951. Records available: 1937-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	32.63	Apr. 8	32.66	July 8	32.58	Oct. 7	32.53
8	32.65	15	32.64	15	32.64	14	32.55
15	32.65	22	32.55	22	32.70	21	32.61
22	32.59	29	32.61	29	32.70	28	32.49
28	32.59	May 6	32.65	Aug. 5	32.71	Nov. 4	32.61
Feb. 4	32.59	13	32.60	12	32.73	11	32.53
11	32.57	20	32.64	19	32.69	18	32.53
18	32.55	27	32.49	26	32.65	25	32.60
25	32.56	June 3	32.58	Sept. 2	32.65	Dec. 2	32.53
Mar. 4	32.57	10	32.62	8	32.58	9	32.61
11	32.43	17	32.68	16	32.60	16	32.56
18	32.57	24	32.72	23	32.63	23	32.47
25	32.61	July 1	32.65	30	32.50	30	32.54
Apr. 1	32.68						

Calumet County

Ca 5. R. A. Huebner. NE¼NW¼ sec. 17, T. 20 N., R. 20 E. Drilled domestic stock well in limestone and sandstone, diameter 6 inches, reported depth 593 feet, cased to 327. Highest water level 96.49 below lsd, May 24, 1948; lowest 166.04 below lsd, Mar. 2, 1954. Records available: 1947-55. Mar. 14, 129.09; June 19, 116.03; Aug. 30, 133.81; Oct. 24, 153.78.

Ca 6. Fall River Canning Co. NW¼SW¼ sec. 2, T. 20 N., R. 19 E. Drilled industrial well in Platteville formation, diameter 12 to 8 inches, reported depth 1,050 feet, cased to 270. Highest water level 172.36 below lsd, Apr. 7, 1953; lowest 183.46 below lsd, Aug. 30, 1955. Records available: 1952-55. Jan. 19, 178.52; Mar. 14, 177.30; June 19, 181.07; Aug. 30, 183.46; Oct. 24, 178.99.

Chippewa County

Ch 7. Brunet Island State Park. SE¼NW¼ sec. 7, T. 31 N., R. 6 W. Drilled public-supply water-table well in drift of Pleistocene age, diameter 6 inches, reported depth 39 feet, cased to 29, screen 29-39. Highest water level 19.50 below lsd, Mar. 11, 1955; lowest 21.17 below lsd, Sept. 14, 1955. Records available: 1953-55. Jan. 13, 19.80; Mar. 11, 19.50; May 9, 20.42; July 13, 20.49; Sept. 14, 21.17; Dec. 1, 20.30.

Ch 11. University Colony. NE¼SE¼ sec. 18, T. 29 N., R. 8 W. Drilled domestic public-supply water-table well in drift of Pleistocene age, diameter 6 inches, depth 90 feet, cased to 78, screen 78-90. Highest water level 38.43 below lsd, Aug. 11, 1954; lowest 41.34 below lsd, Mar. 23, 1954. Records available: 1953-55. Jan. 13, 39.47; Mar. 11, 39.81; May 9, 39.90; July 13, 39.85; Sept. 14, 40.03; Dec. 1, 40.31.

Clark County

Ck 1. Wisconsin Conservation Department. North Mound Tower. SE¼SE¼ sec. 4, T. 26 N., R. 3 W. Drilled domestic artesian well in sandstone of Cambrian age, diameter 6 inches, reported depth 150 feet, cased to 53. Highest water level 64.85 below lsd, Sept. 15, 1955; lowest 67.8 below lsd, July 7, 1954. Records available: 1953-55. Jan. 14, 66.22; Mar. 11, 66.98; May 9, 66.09; July 13, 65.16; Sept. 15, 64.85.

Columbia County

Co 13. F. Stollfus. SE¼SW¼ sec. 29, T. 13 N., R. 11 E. Drilled unused water-table well in sandstone, diameter 6 inches, depth 72 feet. Highest water level 53.69 below lsd, Mar. 11, 1952; lowest 60.47 below lsd, Nov. 3, 1953. Records available: 1949-55. Jan. 10, 56.92; Mar. 16, 56.62; May 4, 56.06; Aug. 5, 56.38; Oct. 13, 56.73.

Co 22. Wisconsin Fur and Game Farm. NE¼NE¼ sec. 36, T. 11 N., R. 9 E. Drilled unused water-table well in sandstone, diameter 6 inches, depth 75 feet. Highest water level 50.92 below lsd, Oct. 13, 1955; lowest 56.30 below lsd, Aug. 5, 1955. Records available: 1949-55. Jan. 10, 51.75; Mar. 16, 51.98; May 4, 53.08; Aug. 5, 56.30; Oct. 13, 50.92.

Co 23. H. Storanot. SE¼NE¼ sec. 16, T. 10 N., R. 9 E. Drilled unused artesian well in sandstone, diameter 6 inches. Highest water level 136.47 below lsd, May 3, 1954; lowest 144.25 below lsd, Jan. 10, 1950. Records available: 1949-55. Jan. 10, 137.47; Mar. 16, 137.55; May 4, 137.42; Aug. 5, 139.55; Oct. 13, 137.36.

Co 25. H. Landsverk. NW¼SW¼ sec. 8, T. 11 N., R. 11 E. Drilled unused water-table well in sandstone, diameter 6 inches, depth 138 feet. Highest water level 71.60 below lsd, May 20, 1952; lowest 82.28 below lsd, Dec. 9, 1949. Records available: 1949-55. Jan. 10, 75.08; Mar. 16, 75.36; May 4, 74.90. Measurement discontinued.

Co 28. Flanders. SE¼NW¼ sec. 5, T. 12 N., R. 9 E. Drilled unused water-table well in sandstone, diameter 6 inches, depth 71 feet. Highest water level 0.13 below lsd, Apr. 25, 1951; lowest 2.66 below lsd, Feb. 6-7, 1950. Records available: 1949-55. Jan. 10, 1.22; Mar. 16, 0.96; May 4, 0.56.

Crawford County

Cr 2. Prairie du Chien General Hospital. NE¼NE¼ sec. 36, T. 7 N., R. 7 E. Drilled domestic artesian well in sandstone of Cambrian age, diameter 8 inches, reported depth 990 feet. Land-surface datum is 653 feet above msl. Highest water level 15 above lsd, Apr. 21, 1953; lowest 12.3 above lsd, Dec. 2, 1955. Records available: 1953-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 21, 1953	+15.	Mar. 18, 1954	+12.8	Jan. 7, 1955	+12.8	July 25, 1955	+13.30
June 25	13.3	June 3	13.1	Mar. 10	13.20	Oct. 11	13.40
Sept. 3	13.2	July 26	13.4	May 12	12.60	Dec. 2	12.3
Nov. 6	12.8	Oct. 8	12.7				

Dane County

Dn 3. Gerald Hendrickson. SE¼SE¼ sec. 32, T. 5 N., R. 8 E. Drilled unused well in St. Peter sandstone, diameter 6 inches, reported depth 100 feet. Land-surface datum is 930 feet above msl. Highest water level 55.26 below lsd, July 18, 1951; lowest 67.46 below lsd, Dec. 23, 1947. Records available: 1946-55. Jan. 6, 62.89; Mar. 9, 63.23; May 12, 64.50; July 25, 62.98; Oct. 11, 61.47; Dec. 12, 62.89.

Dn 4. Joseph N. Hanley. NW¼NE¼ sec. 34, T. 9 N., R. 11 E. Sun Prairie. Drilled unused water-table well in St. Peter sandstone, diameter 6 inches, depth 70 feet. Land-surface datum is 966 feet above msl. Highest water level 26.64 below lsd, Mar. 19, 1952; lowest 50.04 below lsd, Mar. 29, 1950. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	42.40	42.80	42.71	41.41	38.25	38.69	39.14	38.39	39.97	.....	42.57	43.71
2	42.71	43.07	42.97	41.61	37.88	38.71	39.29	38.28	40.04	.....	42.62	43.66
3	42.57	43.14	41.05	41.90	37.75	38.62	39.33	38.17	40.09	.....	42.70	43.66
4	42.58	43.10	42.60	41.93	37.62	38.54	39.31	38.27	40.16	41.47	42.71	43.81
5	42.49	42.70	42.67	41.81	37.50	38.54	39.26	38.29	40.28	41.44	42.60	43.86
6	42.59	.....	42.62	41.87	37.49	38.53	39.23	38.25	40.31	41.51	42.64	43.77
7	42.28	.....	42.58	41.96	37.35	38.65	39.19	38.43	40.39	41.75	42.77	43.82
8	42.03	.....	42.42	41.87	37.47	38.78	39.18	38.43	40.41	41.83	42.82	43.98
9	42.62	.....	42.30	41.84	37.41	38.86	39.40	38.39	40.37	41.72	42.80	44.11
10	42.65	.....	42.25	41.80	37.30	38.84	39.37	38.55	40.63	41.75	42.56	44.13
11	42.60	.....	40.97	41.71	37.29	38.74	39.33	38.59	40.66	41.72	42.93	44.12
12	42.48	.....	42.00	41.70	37.25	38.83	39.28	38.63	40.73	41.77	43.01	44.10
13	42.58	.....	42.23	41.67	37.26	38.88	39.21	38.70	40.74	41.80	43.07	44.07
14	42.46	.....	42.09	41.80	37.31	38.96	39.03	38.71	40.73	41.85	43.13	44.10
15	42.48	.....	41.98	41.88	37.30	39.10	38.84	38.76	40.78	41.93	42.91	44.19
16	42.62	.....	42.04	41.90	37.26	38.99	38.90	38.84	40.82	41.94	43.28	44.15
17	42.72	.....	41.97	41.94	37.30	38.94	38.92	38.94	40.90	41.95	43.35	44.26
18	42.72	.....	41.96	41.72	37.21	38.92	38.93	39.06	40.94	42.09	43.30	44.50
19	42.74	.....	41.91	.....	37.17	38.86	38.93	39.10	40.93	42.13	43.25	44.56
20	42.70	.....	42.01	.....	37.24	38.87	38.93	39.14	41.03	42.24	43.22	44.45
21	42.30	.....	41.79	.....	37.24	38.88	38.91	39.31	41.08	42.32	43.21	44.35
22	42.49	.....	41.77	.....	37.15	38.90	38.63	39.44	41.16	42.27	43.33	44.15
23	42.51	.....	41.90	.....	37.19	38.70	38.45	39.45	41.23	42.19	.....	44.18
24	42.52	.....	42.07	.....	37.37	39.00	38.40	39.48	41.40	42.32	.....	44.67
25	42.67	.....	42.02	.....	37.42	39.06	38.39	39.50	41.46	42.14	.....	44.74

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Dn 4--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	42.83	.....	42.07	.....	37.37	39.14	38.39	39.54	41.41	42.07	.....	44.70
27	42.83	.....	42.11	.....	38.33	39.14	38.39	39.53	41.20	42.07	.....	44.65
28	42.66	.....	42.06	38.10	38.35	39.13	.....	39.59	41.42	42.07	43.72	44.57
29	42.76		42.06	38.10	38.54	39.02	.....	39.58	41.35	42.17	43.72	44.79
30	42.85		42.06	38.58	38.60	39.04	.....	39.79	.....	42.44	43.78	44.79
31	42.63		41.58		38.67		.....	39.92		42.44		44.55

Dn 5. State of Wisconsin. South wing of State Capitol Bldg. NE¼NE¼ sec. 23, T. 7 N., R. 9 E. Drilled unused artesian well in sandstone of Cambrian age, diameter 8 inches, reported depth 1,015 feet. Highest water level 83.60 below lsd, July 13, 1954; lowest 105.28 below lsd, July 21, 1946. Records available: 1946-54. No measurement made in 1955.

Dodge County

Dg 3. A. A. Corrigan. NW¼SE¼ sec. 15, T. 13 N., R. 13 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 170 feet. Land-surface datum is 909 feet above msl. Highest water level 2.80 below lsd, Apr. 13, 1951; lowest 13.49 below lsd, Oct. 13, 1948. Records available: 1946-55. Mar. 16, 6.75; June 21, 7.97; Sept. 1, 8.29; Oct. 27, 8.52.

Dg 4. City of Horicon. NW¼SW¼ sec. 5, T. 11 N., R. 16 E. Drilled unused artesian well in sandstone, diameter 8 inches, reported depth 650 feet. Land-surface datum is 980 feet above msl. Highest water level 114.10 below lsd, Apr. 24, 1955; lowest 122.57 below lsd, Sept. 18, 1953. Records available: 1947-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	115.00	115.90	115.00	114.98	114.90	115.32	117.03	116.47	118.50	.....	117.18	116.79
2	114.80	115.67	115.15	114.99	115.19	115.28	117.30	116.43	118.60	.....	117.41	116.67
3	115.33	116.11	115.00	114.84	115.10	115.73	117.62	116.50	118.59	117.33	117.21	116.67
4	115.27	115.70	115.08	114.80	115.40	115.21	117.73	116.79	117.90	117.20	117.26	116.25
5	114.70	115.80	115.00	114.60	115.59	115.26	117.45	116.81	117.95	117.04	117.03	116.67
6	115.23	115.31	114.90	114.87	115.13	115.03	117.20	116.44	117.70	116.86	116.51	116.72
7	115.15	115.91	115.05	115.02	115.31	115.15	117.50	116.25	118.41	116.03	117.23	116.44
8	114.75	115.40	115.01	115.15	115.18	115.16	117.60	116.42	118.05	116.82	117.38	116.55
9	114.93	115.31	115.09	115.09	115.41	114.97	117.68	116.65	117.90	116.62	117.06	116.81
10	115.12	115.55	114.91	114.96	115.47	114.82	117.71	116.64	117.91	116.85	116.90	116.76
11	115.40	115.80	115.00	114.75	115.26	114.54	117.72	117.29	117.71	117.07	117.01	116.79
12	115.31	115.99	115.00	114.90	115.35	114.40	117.73	117.52	117.58	117.28	117.00	116.86
13	115.63	115.58	114.85	115.08	115.40	114.73	117.52	117.53	117.52	117.46	116.50	116.65
14	115.31	116.00	114.94	114.90	115.50	115.00	117.99	117.30	117.88	117.40	116.63	116.76
15	114.95	115.94	114.95	115.18	115.55	115.10	117.57	117.77	117.43	117.20	116.50	116.83
16	115.29	115.74	115.18	115.27	116.00	115.40	117.65	117.79	117.57	116.70	116.55	116.83
17	115.19	115.94	115.07	114.85	115.62	115.47	117.35	118.00	117.68	117.42	116.94	117.11
18	115.20	115.66	115.18	114.90	115.80	115.28	116.52	118.07	117.30	117.30	116.66	116.99
19	115.58	115.77	115.00	115.08	115.83	115.20	117.04	118.18	117.40	117.40	116.80	116.90
20	115.16	114.90	114.84	115.45	115.26	115.07	117.44	118.47	117.42	117.74	116.30	117.04
21	115.07	115.39	114.90	115.43	115.17	115.50	117.89	118.30	117.46	117.74	116.48	117.03
22	115.39	115.21	115.06	115.26	115.00	115.97	118.03	118.28	117.68	117.30	116.56	116.94
23	114.96	115.28	115.02	115.00	115.20	116.10	117.33	118.58	117.55	116.98	116.73	117.01
24	115.10	115.70	115.06	114.70	115.00	116.30	116.90	118.48	117.32	117.21	116.50	116.93
25	115.68	115.17	115.05	114.90	115.00	116.72	116.82	118.22	117.18	117.25	116.80	116.63
26	115.47	115.07	115.04	115.06	114.94	116.70	117.07	118.16	117.20	117.24	116.71	116.77
27	115.74	115.19	115.30	115.00	114.93	117.00	117.37	117.76	117.49	117.41	116.23	116.83
28	115.39	115.00	115.40	115.04	114.90	116.81	117.20	.....	117.50	117.26	116.60	117.01
29	115.31		115.45	115.43	114.80	116.38	117.10	.....	117.15	116.50	116.74	117.20
30	.....		115.10	115.12	114.90	116.57	116.92	117.53	.....	116.55	116.76	117.22
31	115.40		114.90		115.20		116.55	118.05		116.82		117.02

Dg 9. Ashippun Fire Department. SE¼SE¼ sec. 30, T. 9 N., R. 17 E. Drilled unused water-table well, diameter 4 inches, reported depth 60 feet. Highest water level 5.60 below lsd, Apr. 15, 1952; lowest 14.83 below lsd, Dec. 7, 1949. Records available: 1946-55. Feb. 22, 8.60; Apr. 11, 7.30; June 8, 7.24; Aug. 29, 9.02; Nov. 22, 11.11.

Dg 10. Ashippun Fire Department. SE¼SE¼ sec. 30, T. 9 N., R. 17 E. Drilled unused artesian well, diameter 6 inches, reported depth 200 feet. Land-surface datum is 868 feet above msl. Highest water level 8.09 below lsd, May 25, 1951; lowest 11.82 below lsd, Dec. 7, 1949. Records available: 1946-55. Feb. 22, 9.35; Apr. 11, 8.80; June 8, 8.63; Aug. 29, 8.56; Nov. 22, 9.71.

Dg 11. F. C. Etscheid. SE¼SW¼ sec. 1, T. 9 N., R. 13 E. Drilled unused artesian well, diameter 6 inches, reported depth 1,880 feet. Highest water level 16.24 below lsd, Mar. 27, 1952; lowest 49.87 below lsd, Mar. 29-30, 1950. Records available: 1946-55. Feb. 22, 30.10; Apr. 11, 24.97; June 8, 22.05; Aug. 29, 27.06; Nov. 22, 35.05.

Dg 12. Baker Canning Co. NW¼SE¼ sec. 10, T. 12 N., R. 17 E. Drilled industrial artesian well in sandstone, diameter 10 to 8 inches, reported depth 955 feet, cased to 353. Land-surface datum is 956 feet above msl. Highest water level 38.41 below lsd, May 3, 1948; lowest 75.80 below lsd, July 26, 1950. Records available: 1946-55. Feb. 22, 58.52; Apr. 11, 57.35; June 8, 58.95; Aug. 29, 67.01; Nov. 22, 65.09.

Dg 14. Chicago & North Western Ry. NE¼NE¼ sec. 21, T. 10 N., R. 15 E. Drilled railroad artesian well in sandstone, diameter 12 inches, reported depth 700 feet, cased 0-276, 388-430. Land-surface datum is 883 feet above msl. Highest water level 37.42 below lsd, Apr. 15, 1952; lowest 54.20 below lsd, Sept. 12, 1946. Records available: 1946-55. Feb. 22, 39.30; Apr. 11, 38.03; June 8, 39.73; Aug. 29, 42.67; Nov. 22, 42.59.

Dg 15. Mayville Construction Co. SW¼NW¼ sec. 13, T. 12 N., R. 16 E. Drilled unused artesian well in sandstone, diameter 12 inches, reported depth 1,083 feet, cased to 232. Land-surface datum is 924 feet above msl. Highest water level 15.65 below lsd, Apr. 15, 1952; lowest 25.99 below lsd, Dec. 18, 1946. Records available: 1946-55. Feb. 22, 19.12; Apr. 11, 17.90; June 8, 18.13; Aug. 29, 19.56; Nov. 22, 20.46.

Dg 17. F. C. Etscheid. SE¼SW¼ sec. 1, T. 9 N., R. 13 E. Dug domestic stock water-table well in deposits of Pleistocene age, diameter 4 feet, reported depth 90 feet. Highest water level 3.07 below lsd, Mar. 27, 1952; lowest 86.12 below lsd, Nov. 2, 1949. Records available: 1948-55. Feb. 22, 52.65; Apr. 11, 49.86; June 8, 28.05; Nov. 22, 72.44.

Door County

Dr 5. City of Sturgeon Bay. NE¼NW¼ sec. 8, T. 27 N., R. 26 E. Drilled municipal artesian well in Niagara dolomite and St. Peter sandstone, diameter 12 inches, reported depth 1,169 feet, cased to 69. Land-surface datum is 582 feet above msl. Highest water level 2.40 above lsd, Apr. 12, 1951; lowest 10.01 below lsd, Aug. 5, 1953. Records available: 1946-55. Jan. 20, 6.70; Mar. 15, 3.46; June 20, 3.79; Aug. 31, 6.79; Oct. 25, 8.21.

Dr 7. Fred Peterson. NE¼NE¼ sec. 30, T. 29 N., R. 27 E. Drilled unused artesian well in Niagara dolomite, diameter 4 inches, depth 111 feet. Highest water level 12.18 below lsd, Mar. 24, 1947; lowest 52.40 below lsd, Dec. 7, 1949. Records available: 1946-55. Jan. 20, 46.40; Mar. 15, 24.98; June 20, 43.72; Aug. 31, 46.78; Oct. 25, 47.96.

Dr 11. Wilfred LeMense. SW¼SW¼ sec. 22, T. 26 N., R. 23 E. Drilled stock artesian well in sandstone and Niagara dolomite, diameter 6 inches, reported depth 816 feet, cased to 60. Land-surface datum is 630 feet above msl. Highest water level 40.95 below lsd, Oct. 25, 1955; lowest 55.33 below lsd, June 20, 1955. Records available: 1950-55. Jan. 20, 54.12; Mar. 15, 54.14; June 20, 55.33; Aug. 31, 50.88; Oct. 25, 40.95.

Dr 12. William Destree. SW¼NE¼ sec. 19, T. 27 N., R. 24 E. Drilled domestic stock artesian well in sandstone and Niagara dolomite, diameter 6 inches, reported depth 740 feet. Land-surface datum is 648 feet above msl. Highest water level 8.58 below lsd, Apr. 9, 1952; lowest 58.22 below lsd, Mar. 3, 1954. Records available: 1950-55. Jan. 20, 47.95; Mar. 15, 49.99; June 20, 32.61; Aug. 31, 56.23; Oct. 25, 41.95.

Douglas County

Ds 1. Wisconsin Conservation Department. NE¼SE¼ sec. 23, T. 47 N., R. 10 W. Drilled artesian well in sand, diameter 8 inches, depth 40 feet, cased to 40. Land-surface datum is 980 feet above msl. Highest water level 25.51 below lsd, Apr. 3, 1953; lowest 29.59 below lsd, July 29, 1939. Records available: 1937-41, 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	26.22	Apr. 8	26.33	July 8	26.64	Oct. 7	26.91
14	26.25	15	26.24	15	26.66	14	26.93
21	26.28	22	26.30	22	26.72	21	26.96
28	26.30	29	26.36	29	26.76	28	26.99
Feb. 4	26.33	May 6	26.39	Aug. 5	26.66	Nov. 4	26.99
11	26.34	13	26.46	12	26.69	11	27.01
18	26.36	20	26.53	19	26.76	18	26.95
25	26.38	27	26.58	26	26.80	25	26.98
Mar. 4	26.40	June 3	26.55	Sept. 2	26.85	Dec. 2	27.01
11	26.42	10	26.46	9	26.88	9	27.05
18	26.44	17	26.51	16	26.91	16	27.07
25	26.47	24	26.60	23	26.90	23	27.05
Apr. 1	26.06	July 1	26.67	30	26.91	30	27.06

Eau Claire County

EC 13. Eau Claire County. SW¼SW¼ sec. 32, T. 26 N., R. 6 W. Driven unused water-table well in alluvium, diameter 1¼ inches, depth 26 feet, well point. Highest water level 11.50 below lsd, July 13, 1955; lowest 14.98 below lsd, Nov. 29, 1951. Records available: 1951-55. Jan. 14, 13.27; Mar. 11, 13.98; May 9, 13.41; July 13, 11.50; Sept. 15, 12.70; Dec. 2, 13.59.

Fond du Lac County

FL 12. City of Fond du Lac. NE¼NW¼ sec. 11, T. 15 N., R. 17 E. Drilled water-table well in sandstones of Cambrian and Ordovician age, diameter 4 inches, reported depth 817 feet, cased to 127. Highest water level 54.44 below lsd, Jan. 11, 1954; lowest 71.03 below lsd, Aug. 19-20, 1955. Records available: 1953-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	59.50	62.00	.....	62.95	59.00	63.00	65.01	69.00	68.86	67.14	65.30	64.30
2	58.32	61.00	61.10	63.45	59.70	64.39	65.23	69.65	69.32	65.10	65.86	64.65
3	63.05	63.40	62.29	59.80	62.10	63.36	63.00	70.13	68.37	66.00	64.80	62.90
4	63.61	63.71	63.22	60.28	64.60	64.70	61.90	70.45	67.20	65.57	65.51	61.91
5	61.31	59.70	63.71	61.85	65.13	62.50	62.18	70.80	65.70	65.41	63.70	62.92
6	62.92	60.53	60.20	60.80	65.00	63.00	.....	70.70	68.20	66.18	63.15	63.75
7	63.82	62.20	60.32	62.15	65.21	64.45	.....	68.75	68.33	66.85	65.60	64.80
8	64.20	61.10	61.90	62.59	61.30	63.57	.....	68.81	67.26	64.70	66.51	65.45
9	59.90	62.50	60.73	63.52	61.86	64.81	.....	69.46	67.76	63.55	65.28	65.36
10	60.94	61.56	61.88	59.80	61.90	65.31	.....	69.85	67.84	64.74	65.40	64.00
11	62.61	60.90	63.10	60.18	62.39	64.05	64.76	70.06	66.15	64.96	66.47	62.70
12	61.37	58.90	63.50	61.84	62.46	61.62	65.16	70.06	67.20	65.09	66.30	64.80
13	62.62	60.34	59.90	60.73	65.50	62.83	65.28	70.00	67.23	65.10	64.20	65.40
14	61.97	62.17	60.40	62.07	65.70	64.49	66.68	68.10	67.23	65.99	65.15	64.18
15	62.25	62.92	62.00	63.30	62.00	64.95	67.30	68.97	67.35	65.75	65.10	63.81
16	59.50	61.70	60.91	63.62	62.76	65.90	66.41	69.91	68.35	64.35	65.40	63.39
17	60.80	61.56	62.28	59.60	64.27	66.78	65.30	70.26	68.53	64.31	65.08	62.80
18	62.35	61.68	63.05	60.31	63.48	64.00	67.31	70.72	66.50	64.82	66.26	62.10
19	61.25	59.00	63.49	62.00	64.63	62.60	68.40	71.03	67.09	65.00	65.75	62.69
20	62.68	63.30	60.60	60.86	65.90	64.10	69.15	71.03	67.24	64.80	63.35	63.79
21	61.09	64.10	59.93	62.21	66.18	65.23	69.82	69.50	66.40	66.00	65.01	65.23
22	61.07	61.90	59.40	63.40	62.75	65.58	69.85	70.03	67.28	65.68	66.00	65.60
23	58.90	62.93	60.10	63.85	63.17	64.80	69.86	70.06	68.10	64.10	66.00	66.24
24	62.80	61.50	63.21	60.00	64.52	65.05	68.75	69.11	68.58	65.32	63.63	64.05
25	63.62	60.66	.....	60.60	63.71	65.47	68.92	68.97	65.70	65.15	.....	62.14
26	61.39	58.60	.....	62.27	64.74	63.50	69.60	69.50	66.63	65.67	.....	61.20
27	62.54	59.80	.....	61.23	65.50	63.32	70.00	69.65	66.40	65.62	.....	62.61
28	63.33	.....	.....	62.63	65.96	63.18	70.42	68.08	66.51	66.47	.....	63.57
29	63.78		.....	61.72	62.50	63.72	70.50	67.48	65.90	67.03	.....	63.14
30	59.57		60.68	59.00	61.10	64.31	70.43	68.21	67.67	64.60	64.46	64.12
31	60.34		62.11		62.71		68.00	67.38		65.21		.....

FL 14. City of Waupun. SW¼SE¼ sec. 32, T. 14 N., R. 15 E. Drilled public-supply artesian well in sandstone of Cambrian age, diameter 12 inches, reported depth 611 feet, cased to 140. Land-surface datum is 883 feet above msl. Highest water level 26.84 below lsd, Nov. 22, 1954; lowest 34.91 below lsd, Sept. 15, 1954. Records available: 1953-55. Jan. 25, 28.28; Mar. 28, 30.54.

FL 19. John Steffin. NW¼NE¼ sec. 30, T. 17 N., R. 19 E. Drilled stock artesian well in sandstone, diameter 6 to 4 inches, reported depth 695 feet, cased to 590. Land-surface datum is 895 feet above msl. Highest water level 132.75 below lsd, Jan. 8, 1948; lowest 147.44 below lsd, Mar. 14, 1955. Records available: 1948-55. Jan. 19, 142.91; Mar. 14, 147.44; June 16, 144.42; Aug. 31, 147.27; Oct. 24, 143.48.

FL 20. City of Fond du Lac. SW¼SW¼ sec. 3, T. 15 N., R. 17 E. Drilled unused artesian well in sandstone, diameter 6 inches, reported depth 700 feet. Highest water level 61.77 below lsd, Apr. 22, 1952; lowest 85.09 below lsd, July 30, 1954. Records available: 1950-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	66.39	64.57	64.88	64.49	65.51	66.44	69.26	71.80	81.96	81.55	78.27	74.55
2	66.68	64.66	65.36	64.51	66.81	67.00	69.33	72.16	81.75	81.13	78.18	75.58
3	66.17	64.62	64.85	64.42	67.10	67.31	68.70	72.62	81.85	80.34	78.57	75.61
4	66.10	64.61	64.80	64.35	67.40	68.03	68.46	73.50	81.84	79.88	78.55	74.85
5	65.82	67.55	64.69	64.60	67.45	67.85	68.50	74.90	81.12	79.77	78.25	74.85

FL 20--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	66.27	67.97	64.43	64.74	67.25	67.27	68.27	75.26	80.92	79.25	77.71	74.40
7	66.17	67.81	64.17	64.71	67.80	67.57	67.93	75.40	81.65	80.85	77.50	74.87
8	65.56	67.30	64.56	64.51	67.86	67.13	69.31	75.09	81.91	81.10	77.47	75.37
9	66.17	67.48	65.56	64.33	67.10	67.22	69.45	74.80	82.05	80.89	77.25	75.30
10	65.55	67.93	65.10	64.33	66.98	67.41	68.94	74.95	83.09	80.15	76.50	75.50
11	65.00	67.86	65.80	63.98	66.60	67.36	69.11	75.46	83.01	79.77	77.05	75.41
12	65.10	67.67	65.66	64.53	67.14	66.98	68.29	76.37	81.82	79.66	77.15	75.07
13	65.23	67.33	65.63	64.66	67.44	66.15	68.17	76.95	81.63	80.21	77.00	75.47
14	64.96	66.43	64.84	64.84	67.57	69.07	68.66	77.03	81.78	80.20	76.29	75.46
15	66.44	66.34	64.81	64.88	67.10	69.22	69.85	76.85	81.75	80.23	75.66	75.95
16	66.11	67.21	64.80	64.80	67.17	69.33	69.77	77.15	82.10	79.62	76.00	75.78
17	65.31	67.05	66.62	64.82	67.10	69.60	69.56	77.74	82.46	78.48	77.13	76.75
18	65.00	66.70	66.26	64.60	67.15	69.66	69.32	79.45	82.48	79.16	77.07	76.74
19	65.06	66.23	65.75	64.66	67.27	69.56	69.93	80.50	81.90	79.15	76.25	76.70
20	65.03	66.07	65.77	64.85	67.27	69.32	70.74	81.62	81.94	79.07	76.07	76.57
21	64.70	65.86	64.89	64.86	67.43	69.37	71.54	82.12	81.74	79.25	75.16	76.50
22	65.00	65.34	65.35	64.93	67.30	69.57	71.97	82.14	81.90	79.24	74.62	75.42
23	65.00	65.41	65.16	64.74	67.69	69.46	71.53	82.16	81.87	79.00	76.37	75.07
24	64.77	65.47	64.92	65.15	68.13	69.30	71.96	82.20	82.35	78.70	76.30	76.15
25	64.78	65.27	64.78	65.41	68.06	69.17	71.35	82.17	82.14	78.50	74.80	76.28
26	64.87	64.95	64.73	65.10	67.50	68.90	71.57	82.49	80.67	78.75	74.94	75.30
27	64.88	64.97	64.63	64.91	70.59	68.17	71.19	82.46	80.70	78.55	74.70	75.38
28	64.61	64.85	64.35	64.95	70.00	68.59	71.50	81.78	80.82	78.17	74.97	76.81
29	64.59		64.50	65.03	69.19	68.97	72.22	81.07	80.57	77.67	75.16	78.12
30	64.65		64.61	64.96	68.73	69.35	73.00	81.47	81.56	77.69	75.23	78.00
31	64.45		64.53		68.16		72.35	81.99		77.66		78.79

FL 21. Wisconsin Central RR. NW¼SW¼ sec. 33, T. 16 N., R. 17 E. Drilled industrial artesian well in limestone of Ordovician age, diameter 8 inches, reported depth 450 feet. Highest water level 27.28 below lsd, June 2, 1953; lowest 35.86 below lsd, Aug. 31, 1954. Records available: 1950-55. Jan. 19, 31.16; Mar. 14, 31.77; June 16, 32.20; Aug. 31, 33.89; Oct. 24, 34.17.

FL 89. B. E. Elberts. NW¼NW¼ sec. 35, T. 17 N., R. 19 E. Drilled domestic public-supply artesian well in Niagara dolomite, diameter 6 inches, reported depth 97 feet, cased to 66. Land-surface datum is 980 feet above msl. Highest water level 20.20 below lsd, Mar. 24, 1955; lowest 29.17 below lsd, Apr. 27, 1954. Records available: 1953-55. Jan. 25, 22.89; Mar. 24, 20.20.

FL 126. George Flood. NW¼SE¼ sec. 8, T. 14 N., R. 18 E. Drilled unused artesian well in Niagara dolomite, diameter 8 inches, depth 163 feet, cased to 163. Highest water level 0.68 below lsd, Apr. 24, 1955; lowest 7.64 below lsd, Aug. 23-24, 1954. Records available: 1954-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.80	2.18	2.00	1.21	1.05	....	....	....	7.25	2.40	2.52	2.71
2	1.98	2.29	2.15	1.12	1.10	....	....	....	7.16	2.40	2.48	2.68
3	1.92	2.30	2.10	1.20	1.11	....	....	....	7.12	2.40	2.51	2.69
4	1.86	2.39	1.98	1.28	1.20	....	....	....	3.50	2.38	2.60	2.63
5	1.62	2.53	1.98	1.14	1.15	....	....	....	3.28	2.35	2.43	2.70
6	1.80	2.43	1.98	1.09	1.20	....	....	....	5.22	2.38	2.57	2.64
7	1.74	2.30	2.13	1.04	1.18	....	....	....	5.61	2.42	2.57	2.64
8	1.75	2.30	1.97	1.20	1.25	....	....	....	5.80	2.45	2.82	2.74
9	1.81	2.41	1.90	1.33	1.30	....	....	....	6.85	2.40	2.50	2.78
10	1.87	2.33	1.69	1.25	1.21	....	....	....	6.85	2.60	2.48	2.81
11	1.87	2.49	1.50	1.20	1.20	....	....	....	5.95	2.45	2.57	....
12	1.81	....	1.55	1.14	1.22	....	....	....	6.62	2.42	2.64	....
13	2.17	....	1.60	1.10	1.20	....	....	....	7.21	2.46	2.60	....
14	1.99	2.35	1.55	1.11	....	....	....	....	6.70	2.80	2.68	....
15	2.06	2.15	1.55	1.16	....	....	....	....	3.30	2.50	2.50	....
16	1.96	2.13	1.63	1.19	....	....	....	....	3.40	2.60	2.59	....
17	2.05	2.15	1.72	1.21	....	....	....	....	2.48	2.50	2.70	....
18	2.03	2.20	1.66	1.16	....	....	....	....	2.40	2.50	2.85	....
19	2.08	2.25	1.77	1.27	....	....	....	....	3.05	2.55	2.65	....
20	2.08	2.15	1.97	1.20	....	....	....	....	3.11	2.52	2.66	....
21	1.99	2.29	1.54	1.26	....	....	....	....	2.35	2.58	2.65	....
22	2.00	2.10	1.55	1.30	....	....	....	....	3.61	2.52	2.64	....
23	2.16	2.24	1.60	1.31	....	....	....	....	2.30	2.61	2.70	....
24	2.03	....	1.70	1.13	....	....	....	....	2.40	2.54	2.92	....
25	2.10	....	1.68	.95	....	....	....	....	2.40	2.41	....	....

FL 126--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	2.15	....	1.68	0.97	....	....	....	....	2.35	2.45	....	....
27	2.15	....	1.70	.93	....	....	....	....	2.66	2.50	....	....
28	2.35	....	1.70	1.00	....	....	....	....	2.60	2.44	....	....
29	2.12		1.73	1.06	....	....	....	....	2.28	2.40	....	....
30	2.30		1.55	1.06	....	....	....	....	2.53	2.40	2.75	....
31	2.14		1.74		....		....	7.06		2.45		....

Forest County

Fr 1. Wisconsin State Highway Department. W. M. P. Brule River Profile well 4. NW¼SE¼ sec. 18, T. 41 N., R. 14 E. Driven observation water-table well in sand, diameter 1¼ inches, depth 9 feet, screen 6-9. Land-surface datum is 1,547.86 feet above msl. Highest water level 4.72 below lsd, Apr. 29, 1954; lowest 8.10 below lsd, June 13, 1949. Records available: 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	7.24	Apr. 29	6.74	Aug. 2	7.48	Nov. 1	7.37
Feb. 1	7.08	May 31	7.19	Sept. 2	7.95	Dec. 2	7.42
28	6.89	July 6	7.57	Oct. 3	7.95	30	7.04
Mar. 30	6.71						

Fr 2. Wisconsin State Highway Department. W. M. P. Brule River Profile well 5. NW¼SE¼ sec. 18, T. 41 N., R. 14 E. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 18 feet, screen 15-18. Land-surface datum is 1,551.69 feet above msl. Highest water level 7.96 below lsd, Apr. 29, 1954; lowest 11.88 below lsd, May 16, 1949. Records available: 1948-55.

Jan. 3	10.82	Apr. 29	9.96	Aug. 2	11.20	Nov. 1	11.12
Feb. 1	10.67	May 31	10.74	Sept. 2	11.51	Dec. 2	11.07
28	10.48	July 6	11.23	Oct. 3	11.54	30	11.06
Mar. 30	10.40						

Fr 3. Wisconsin State Highway Department. W. M. P. Brule River Profile well 6. SE¼SE¼ sec. 18, T. 41 N., R. 14 E. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 15 feet, screen 12-15. Land-surface datum is 1,548.38 feet above msl. Highest water level 4.20 below lsd, Apr. 29, 1954; lowest 9.13 below lsd, Oct. 29, 1948. Records available: 1948-55.

Jan. 3	7.43	Apr. 29	6.46	Aug. 2	7.77	Nov. 1	7.78
Feb. 1	7.34	May 31	6.32	Sept. 2	8.09	Dec. 2	7.71
28	7.09	July 6	7.83	Oct. 3	8.13	30	7.32
Mar. 30	7.05						

Fr 4. Wisconsin State Highway Department. W. M. P. Brule River Profile well 7. SE¼SE¼ sec. 18, T. 41 N., R. 14 E. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 17 feet, screen 14-17. Land-surface datum is 1,549.38 feet above msl. Highest water level 5.50 below lsd, Apr. 29, 1954; lowest 9.71 below lsd, Mar. 1, 1954. Records available: 1951-55.

Jan. 3	8.17	Apr. 29	7.67	Aug. 2	8.58	Nov. 1	8.58
Feb. 28	7.90	May 31	8.21	Sept. 2	8.91	Dec. 2	8.48
Mar. 30	7.97	July 6	8.66	Oct. 3	8.94	30	8.43

Grant County

Gr 4. Henry Jones Estate. NE¼NE¼ sec. 26, T. 6 N., R. 1 W. Drilled unused water-table well in limestone, diameter 6 inches, depth 165 feet. Land-surface datum is 1,160 feet above msl. Highest water level 59.09 below lsd, Oct. 15, 1952; lowest 67.89 below lsd, Apr. 3, 1950. Records available: 1946-55. Jan. 7, 61.58; Mar. 9, 62.19; May 12, 62.57; July 26, 62.86.

Gr 5. Oscar Gilbertson. SW¼SE¼ sec. 6, T. 5 N., R. 2 W. Drilled unused water-table well in limestone, diameter 5 inches, depth 35 feet. Highest water level 8.90 below lsd, July 16, 1947; lowest 17.33 below lsd, Feb. 28, 1950. Records available: 1946-55. Jan. 6, 14.43; Mar. 9, 14.95; May 12, 13.83; July 25, 12.29; Oct. 11, 13.70; Dec. 12, 14.89.

Green County

Gn 1. Charles Segner. NE¼NE¼ sec. 21, T. 2 N., R. 7 E. Drilled unused well in Platteville formation, diameter 6 inches, depth 71 feet. Highest water level 50.33 below lsd, May 20, 1948; lowest 64.70 below lsd, Jan. 22, 1948. Records available: 1946-55. Jan. 6, 59.89; Mar. 9, 59.77; May 12, 57.60; July 25, 60.78; Oct. 11, 62.52; Dec. 12, 64.10.

Gn 2. Earl Waddington. NE¼NW¼ sec. 18, T. 3 N., R. 6 E. Drilled unused artesian well in sandstone and limestone, diameter 6 inches. Highest water level 123.91 below lsd, Jan. 14, 1953; lowest 136.30 below lsd, Mar. 19, 1947. Records available: 1946-55. Jan. 6, 130.37; Mar. 9, 130.38; May 12, 131.03; July 25, 131.07; Oct. 11, 131.29; Dec. 12, 131.90.

Jackson County

Ja 1. L. Epstein. SW¼SE¼ sec. 20, T. 20 N., R. 2 W. Drilled domestic water-table well in sandstone, diameter 6 inches, reported depth 140 feet. Highest water level 12.67 below lsd, Aug. 12, 1954; lowest 18.51 below lsd, Oct. 5, 1950. Records available: 1947-55. Jan. 14, 14.42; Mar. 11, 14.73; July 13, 12.98; Sept. 15, 14.64; Dec. 2, 15.42.

Ja 5. Henry Lange. NE¼SW¼ sec. 30, T. 20 N., R. 3 W. Drilled domestic artesian well in sandstone of Cambrian age, diameter 10 inches, reported depth 190 feet, cased to 54. Highest water level 16.99 below lsd, Oct. 21, 1954; lowest 20.98 below lsd, Mar. 24, 1954. Records available: 1953-55. Jan. 14, 18.57; Mar. 11, 20.53; May 9, 19.10; July 13, 17.30; Sept. 15, 18.91; Dec. 2, 20.04.

Jefferson County

Je 9. Chicago & North Western Ry. SE¼SW¼ sec. 25, T. 7 N., R. 14 E. Drilled railroad artesian well in sandstone, diameter 8 inches, reported depth 716 feet, cased to 326. Land-surface datum is 813 feet above msl. Highest water level 15.16 below lsd, Feb. 28, 1949; lowest 46.66 below lsd, Sept. 28, 1954. Records available: 1946-55. Feb. 24, 35.08; Apr. 13, 37.52; June 8, 45.53; July 28, 31.14; Nov. 1, 42.06.

Juneau County

Ju 8. Camp Douglas. SW¼SW¼ sec. 21, T. 17 N., R. 2 E. Drilled unused well in sandstone, diameter 4 inches, depth 64 feet. Highest water level 3.12 below lsd, Oct. 21, 1954; lowest 9.80 below lsd, Mar. 3, 1950. Records available: 1949-55. Jan. 12, 4.32; Mar. 28, 5.23; June 23, 3.35; Sept. 13, 4.17; Nov. 30, 5.36.

Kenosha County

Ke 3. Bristol Sales & Service. SW¼SW¼ sec. 8, T. 1 N., R. 21 E. Drilled domestic well in limestone, diameter 8 inches, reported depth 692 feet. Land-surface datum is 765 feet above msl. Highest water level 95.80 below lsd, Dec. 3, 1947; lowest 116.99 below lsd, Nov. 7, 1955. Records available: 1946-55. Feb. 24, 114.65; Apr. 13, 115.45; June 9, 115.63; Aug. 24, 116.35; Nov. 7, 116.99.

Ke 4. Sunset Ridge Memorial Park. NW¼SE¼ sec. 27, T. 2 N., R. 22 E. Drilled domestic irrigation water-table well in Niagara dolomite, diameter 6 inches, reported depth 190 feet. Land-surface datum is 725 feet above msl. Highest water level 73.70 below lsd, Apr. 16, 1952; lowest 81.93 below lsd, Aug. 24, 1955. Records available: 1946-55. Feb. 24, 77.58; Apr. 12, 77.72; June 9, 78.21; Aug. 24, 81.93; Nov. 7, 81.17.

Ke 5. J. Bishop. SE¼SE¼ sec. 20, T. 2 N., R. 22 E. Dug unused water-table well in deposits of Pleistocene age, diameter 4 feet, depth 28 feet. Land-surface datum is 695 feet above msl. Highest water level 0.41 below lsd, May 10, 1948; lowest 9.86 below lsd, Sept. 29, 1948. Records available: 1946-55. Feb. 24, 3.74; Apr. 12, 3.33; June 9, 3.43; Aug. 24, 5.75; Nov. 7, 5.60.

Ke 6. Kenosha County. NW¼NW¼ sec. 11, T. 2 N., R. 22 E. Drilled irrigation artesian well in sandstone, diameter 10 inches, reported depth 1,751 feet, cased to 492. Land-surface datum is 630 feet above msl. Highest water level 21.10 below lsd, Dec. 3, 1947; lowest 50.09 below lsd, June 29, 1955. Records available: 1946-55. Apr. 12, 48.57; June 29, 50.09; Aug. 24, 49.90; Nov. 7, 50.00.

La Crosse County

LC 8. Holmen Canning Co. NW¼SE¼ sec. 7, T. 17 N., R. 7 W. Drilled industrial artesian well in sandstone of Cambrian age, diameter 6 inches, reported depth 398 feet. Land-surface datum is 724 feet above msl. Highest water level 47.0 below lsd, May 10, 1955; lowest 55 below lsd, June 30, 1953. Records available: 1953-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 21, 1953	48	Feb. 9, 1954	48.0	Oct. 19, 1954	49.0	May 10, 1955	47.0
June 30	55	Mar. 23	49.0	Jan. 13, 1955	49.0	Sept. 14	50.0
Sept. 15	49.0	June 8	48.0	Mar. 10	48.0	Dec. 1	50.0
Nov. 18	48.0						

Lafayette County

Lf 1. Erickson. NW¼SW¼ sec. 25, T. 3 N., R. 5 E. Drilled unused water-table well in Prairie du Chien group, diameter 6 inches, depth 55 feet. Land-surface datum is 820 feet above msl. Highest water level 16.0 below lsd, June 15, 1947; lowest 23.11 below lsd, Dec. 12, 1955. Records available: 1946-55. Jan. 6, 22.23; Mar. 9, 22.04; May 12, 20.17; July 25, 22.18; Oct. 11, 23.00; Dec. 12, 23.11.

Lf 11. Ed Wiegel. SE¼SE¼ sec. 4, T. 2 N., R. 1 E. Drilled unused water-table well in Galena dolomite, diameter 6 inches. Highest water level 23.40 below lsd, July 16, 1947; lowest 36.33 below lsd, May 12, 1955. Records available: 1947-55. Jan. 6, 34.24; Mar. 9, 35.72; May 12, 36.33; July 25, 33.57; Oct. 11, 34.23; Dec. 11, 34.80.

Lf 12. Pearl Ogelthre and others. SE¼SW¼ sec. 33, T. 2 N., R. 4 E. Drilled unused water-table well in Platteville formation and St. Peter sandstone, diameter 6 inches. Highest water level 20.17 below lsd, June 16, 1947; lowest 39.15 below lsd, Dec. 12, 1955. Records available: 1947-55. Jan. 6, 33.50; Mar. 9, 30.45; May 12, 31.78; July 25, 37.33; Oct. 11, 38.32; Dec. 12, 39.15.

Lf 13. Viola Jeffery Lamont. NE¼NE¼ sec. 34, T. 1 N., R. 2 E. Drilled stock water-table well in Galena dolomite, diameter 6 inches, reported depth 175 feet. Highest water level 7.46 below lsd, Nov. 27, 1951; lowest 20.36 below lsd, Jan. 25, 1954. Records available: 1951-55. Jan. 6, 13.22; Mar. 9, 13.51; May 12, 8.40; July 25, 13.46; Oct. 11, 15.85; Dec. 12, 17.64.

Lf 14. Viola Jeffery Lamont. NE¼NE¼ sec. 34, T. 1 N., R. 2 E. Drilled domestic water-table well in Galena dolomite, diameter 6 inches, reported depth 340 feet, cased to 77. Highest water level 129.25 below lsd, Aug. 6, 1951; lowest 186.72 below lsd, Feb. 2, 1955. Records available: 1951-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	179.08	May 12	172.84	Sept. 7	177.7	Nov. 11	172.74
Feb. 2	186.72	July 25	171.83	Oct. 11	172.29	Dec. 12	175.91
Mar. 9	172.82						

Lf 36. Calumet & Hecla Copper Co. SW¼NE¼ sec. 22, T. 1 N., R. 2 E. Drilled unused artesian well in Galena dolomite, diameter 12 inches, reported depth 340 feet. Land-surface datum is 1,122 feet above msl. Highest water level 249.0 below lsd, Oct. 26, 1951; lowest 316.86 below lsd, Mar. 29-30, 1955. Records available: 1951-55.

Daily lowest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	Nov.	Dec.
1	315.43	.....	313.66	.....	287.82	316.47	.....	316.07
2	315.44	.....	314.18	310.05	290.50	316.50	315.92	316.00
3	315.44	.....	314.56	306.83	293.17	.....	315.95	315.95
4	315.44	.....	314.86	305.38	295.90	.....	315.95	315.92
5	315.43	315.93	315.23	305.23	298.37	.....	315.94	316.00
6	313.00	315.92	315.43	297.35	301.01	.....	315.84	316.01
7	313.41	315.93	315.60	289.80	303.06	.....	315.88	315.98
8	313.70	315.93	315.71	286.20	305.20	.....	315.91	316.02
9	314.03	315.93	315.82	289.32	306.95	.....	315.91	316.11
10	314.32	.....	315.92	291.90	308.23	.....	315.84	316.16
11	314.52	316.02	316.12	293.92	308.25	.....	315.75	316.17
12	314.69	.....	316.25	296.24	.....	.....	315.84	316.17
13	314.85	.....	316.36	.....	.....	.....	315.89	316.14
14	314.90	.....	316.38	.....	308.76	.....	315.92	316.07
15	315.01	.....	316.44	.....	309.72	.....	315.92	316.06
16	315.15	.....	316.52	281.82	310.48	.....	315.86	316.07
17	315.25	.....	316.55	283.70	311.64	.....	315.96	316.01
18	315.33	.....	316.67	283.95	312.43	.....	316.00	316.08
19	315.38	.....	316.67	287.35	313.17	.....	315.99	316.19
20	315.40	.....	316.68	287.79	313.76	.....	315.99	316.21
21	315.40	.....	316.68	287.62	314.45	.....	315.95	316.19
22	315.46	.....	316.67	288.65	314.84	.....	315.92	316.09
23	315.50	.....	316.69	290.67	315.05	.....	315.92	316.06
24	315.50	.....	316.78	290.67	315.42	.....	316.00	316.31
25	315.63	310.39	316.81	279.49	315.74	.....	316.01	316.60
26	.....	311.42	316.81	280.77	315.85	.....	316.00	316.66
27	.....	312.31	316.84	279.88	315.94	.....	315.94	316.66
28	.....	313.07	316.85	280.30	316.00	.....	315.91	316.61
29	.....		316.86	283.78	316.19	.....	315.91	316.64
30	.....		316.86	285.82	316.32	.....	316.07	316.68
31	.....		.....		316.43			316.60

* No record for July, August, September, and October.

Lf 57. Coulthard Estate. Shullsburg. NW¼NW¼ sec. 33, T. 1 N., R. 2 E. Drilled unused well in Galena dolomite, diameter 10 inches, reported depth 265 feet. Land-surface datum is 1,000 feet above msl. Highest water level 63.67 below lsd, Apr. 29, 1952; lowest 85.71 below lsd, May 8, 30, 1955. Records available: 1952-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	85.09	85.17	85.26	85.37	85.36	85.63	85.66	85.51	85.44	85.43	85.36	85.25
2	85.08	35.22	85.31	85.38	85.30	85.63	85.61	85.41	85.36	85.36	85.36	85.28
3	84.98	85.31	85.14	85.40	85.33	85.56	85.55	85.39	85.33	85.31	85.35	85.28
4	84.99	85.11	85.28	85.43	85.38	85.47	.....	85.43	85.31	85.25	85.32	85.40
5	84.99	35.03	85.27	85.44	85.41	85.48	.....	85.45	85.36	85.20	85.23	85.40
6	85.09	85.10	85.29	85.47	.....	85.48	85.48	85.35	85.33	85.29	85.30	85.28
7	85.01	85.10	85.28	85.54	85.55	85.54	85.45	85.44	85.36	85.40	85.33	85.31
8	84.86	85.03	85.10	85.45	85.71	85.60	85.53	85.44	85.35	85.42	85.33	85.39
9	85.08	85.17	85.19	85.44	85.62	85.61	85.70	85.41	85.25	85.29	85.21	85.40
10	85.07	85.21	85.22	85.43	85.63	85.60	85.63	85.45	85.44	85.29	85.12	85.40
11	85.01	85.20	85.34	85.35	85.64	85.53	85.58	85.48	85.41	85.25	85.41	85.35
12	85.03	85.25	85.36	85.46	85.57	85.62	85.56	85.45	85.36	85.29	85.37	85.31
13	85.08	85.15	85.36	85.43	85.58	85.62	85.51	85.44	85.35	85.27	85.36	85.34
14	84.93	85.09	85.23	85.55	85.65	85.64	85.42	85.42	85.28	85.28	85.40	85.34
15	85.03	85.08	85.30	.....	85.64	85.68	85.44	85.43	85.28	85.29	85.18	85.36
16	85.07	85.23	85.35	85.58	85.59	85.64	85.49	85.39	85.30	85.30	85.34	85.30
17	85.11	85.23	85.34	85.59	85.62	85.59	85.52	85.39	85.30	85.25	85.46	85.33
18	85.08	84.99	85.29	85.43	85.56	85.56	85.54	85.41	85.28	85.34	85.40	85.47
19	85.10	85.01	85.28	85.53	85.48	.....	85.54	85.41	85.25	85.34	85.32	85.48
20	85.05	85.12	85.36	85.52	85.54	.....	85.51	85.33	85.28	85.38	85.27	85.33
21	84.92	85.20	85.22	85.54	85.55	85.58	85.46	85.39	85.32	85.41	85.27	85.27
22	85.06	85.17	85.36	85.53	85.46	85.55	85.44	85.43	85.30	85.34	.....	85.18
23	85.06	85.20	85.39	85.47	85.53	85.54	85.44	85.43	85.31	85.32	.....	85.26
24	85.08	85.22	85.39	85.44	85.60	85.54	85.46	85.43	85.35	85.36	.....	85.53
25	85.12	85.17	85.35	85.57	85.67	85.57	85.42	85.40	85.37	85.25	.....	85.53
26	85.20	85.06	85.39	85.57	85.61	85.58	85.44	85.39	85.30	85.25	85.21	85.41
27	85.20	85.26	85.39	85.40	85.54	85.61	85.46	85.33	85.29	85.22	85.20	85.35
28	85.09	85.17	85.35	85.55	.....	85.55	85.48	85.36	85.41	85.20	85.29	85.31
29	85.11		85.37	85.62	85.69	85.48	85.44	85.29	85.33	85.23	85.21	85.46
30	85.17		85.38	85.55	85.71	85.47	85.45	85.43	85.43	85.33	85.40	85.43
31	85.03		85.37		85.69		85.55	85.44		85.36		85.21

Lf 60. C. Rennick. SW¼NE¼ sec. 23, T. 1 N., R. 2 E. Drilled unused well in Galena dolomite, diameter 6 inches, reported depth 280 feet. Land-surface datum is 1,081.5 feet above msl. Highest water level 67.80 below lsd, May 29, 1955; lowest 106.20 below lsd, Feb. 12-13, 1955. Records available: 1952-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	105.16	.....	.....	93.25	96.56	73.96	.....	88.60	91.68	94.49	99.23	.....
2	105.60	.....	.....	93.28	96.28	73.65	.....	87.78	89.82	102.72	98.65	.....
3	105.47	.....	.....	93.85	95.73	.....	.....	87.90	89.76	102.65	99.85	.....
4	105.44	.....	.....	93.97	95.64	.....	.....	87.98	93.36	101.90	.....	.....
5	105.10	105.24	.....	91.18	95.36	.....	.....	87.83	92.93	101.35	.....	.....
6	104.95	105.44	.....	91.04	94.76	.....	.....	88.46	90.46	101.11	.....	.....
7	104.95	105.50	.....	92.07	94.19	.....	.....	90.44	91.53	100.95	.....	.....
8	104.65	105.38	.....	92.72	93.52	.....	.....	90.07	91.54	101.20	.....	.....
9	104.56	105.36	.....	93.39	.....	.....	.....	90.25	90.63	100.76	.....	.....
10	104.62	105.83	.....	93.48	.....	73.37	.....	87.85	89.57	99.97	.....	101.21
11	104.65	105.84	.....	93.48	.....	75.48	.....	87.13	90.70	99.24	.....	97.10
12	104.38	106.20	.....	93.72	.....	74.35	.....	86.98	92.40	98.10	.....	97.22
13	104.46	106.20	.....	.....	.....	75.49	.....	87.22	95.21	97.61	.....	.....
14	104.23	105.71	.....	.....	.....	73.69	.....	88.14	95.53	97.88	.....	.....
15	104.14	105.71	.....	.....	78.21	73.58	.....	87.22	94.99	98.86	.....	.....
16	104.37	106.02	.....	.....	78.78	72.02	.....	87.03	93.19	98.40	100.78	.....
17	104.72	106.02	.....	.....	74.30	.....	92.10	86.46	95.17	96.98	99.90	.....
18	104.80	105.93	.....	.....	75.69	.....	89.50	85.84	95.06	97.52	98.21	.....
19	104.96	105.65	94.51	.....	73.69	.....	89.18	86.40	93.03	98.08	100.74	.....
20	104.95	.....	94.51	.....	72.24	.....	89.78	85.00	92.90	103.20	100.35	.....
21	104.41	.....	94.12	.....	75.66	.....	89.80	87.13	93.00	103.79	99.31	.....
22	104.49	.....	94.79	.....	74.63	.....	88.79	87.83	94.40	103.45	.....	.....
23	104.56	.....	95.30	.....	84.75	.....	88.55	88.31	94.14	100.20	98.60	92.58
24	104.64	.....	95.60	.....	78.37	.....	87.05	88.06	95.48	101.81	.....	94.76
25	.....	.....	95.72	.....	77.65	.....	87.54	89.03	95.43	.....	.....	93.89

Lf 60--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	.....	.....	.....	.....	73.78	.....	84.96	88.95	95.67	.....	.....	97.71
27	.....	.....	.....	.....	71.31	.....	85.21	89.22	95.01	.....	.....	92.20
28	.....	.....	.....	.....	71.36	.....	83.10	89.30	95.62	.....	99.10	94.96
29	.....		.....	.....	68.42	.....	84.17	89.03	95.52	.....	98.33	92.48
30	.....		95.45	96.38	70.88	.....	82.30	88.15	94.68	.....	99.72	102.46
31	.....		95.38		76.15		88.00	91.63		.....		98.40

Lf 63. Wisconsin Conservation Department. SE¼NE¼ sec. 8, T. 3 N., R. 5 E. Driven observation water-table well in alluvium, diameter 2 inches, depth 17 feet, cased to 15, well point. Highest water level 1.06 below lsd, Feb. 11, 1954; lowest 3.95 below lsd, July 20, 1954. Records available: 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	2.05	Apr. 5	1.56	July 5	3.08	Oct. 4	3.25
11	2.19	12	1.78	12	3.06	11	3.16
18	2.97	19	1.77	19	3.18	18	3.13
25	2.95	26	1.80	26	3.26	25	3.08
Feb. 1	2.99	May 3	2.49	Aug. 2	3.14	Nov. 1	2.95
8	3.00	10	1.90	9	3.37	8	3.01
15	3.07	17	2.61	16	3.50	15	2.97
22	1.50	24	2.82	23	3.61	22	3.00
Mar. 1	1.62	31	2.75	30	3.66	29	3.09
8	1.59	June 7	1.96	Sept. 6	3.75	Dec. 5	3.04
15	1.65	14	1.86	13	3.64	12	3.09
22	1.61	21	2.56	20	3.48	19	3.13
29	1.58	28	3.02	27	3.33	26	3.09

Lf 64. Wisconsin Conservation Department. NW¼SW¼ sec. 6, T. 3 N., R. 5 E. Driven observation water-table well in alluvium, diameter 2 inches, depth 13 feet, cased to 11, well point. Highest water level 0.36 below lsd, Feb. 7, 1953; lowest 4.00 below lsd, Feb. 1, 1955. Records available: 1952-55.

Jan. 4	1.48	Apr. 5	0.96	July 5	2.86	Oct. 4	2.87
11	1.65	12	1.05	12	2.96	11	2.75
18	2.31	19	.98	19	3.05	18	2.72
25	2.69	26	1.01	26	3.08	25	2.60
Feb. 1	4.00	May 3	1.67	Aug. 2	3.06	Nov. 1	1.94
8	3.05	10	1.28	9	3.04	8	2.13
15	3.06	17	2.13	16	3.15	15	2.17
22	.86	24	2.86	23	3.23	22	2.05
Mar. 1	1.04	31	2.28	30	3.13	29	2.27
8	1.23	June 7	1.53	Sept. 6	3.20	Dec. 5	2.20
15	1.10	14	1.60	13	3.09	12	2.50
22	1.15	21	2.42	20	3.02	19	2.67
29	1.39	28	2.82	27	2.89	26	2.40

Lf 65. Wisconsin Conservation Department. NW¼SW¼ sec. 35, T. 4 N., R. 4 E. Driven observation water-table well in alluvium, diameter 2 inches, depth 10 feet, cased to 8, well point. Highest water level 0.40 above lsd, July 19, 1952; lowest 5.48 below lsd, Sept. 6, 1955. Records available: 1952-55.

Jan. 4	2.18	Apr. 5	0.47	July 5	4.04	Oct. 4	4.31
11	1.80	12	.73	12	4.12	11	4.06
18	2.53	19	.56	19	4.53	18	4.01
25	3.00	26	.56	26	4.69	25	3.89
Feb. 1	2.99	May 3	1.13	Aug. 2	4.65	Nov. 1	3.73
8	3.36	10	1.00	9	4.84	8	3.24
15	3.39	17	1.75	16	4.40	15	3.66
22	.73	24	2.37	23	4.33	22	3.66
Mar. 1	.97	31	2.70	30	4.37	29	3.75
8	.86	June 7	2.35	Sept. 6	5.48	Dec. 5	3.66
15	.62	14	1.84	13	5.18	12	3.72
22	.66	21	3.17	20	4.98	19	3.80
29	1.00	28	3.89	27	4.55	26	3.69

Lf 66. Wisconsin Conservation Department. SE¼NE¼ sec. 34, T. 4 N., R. 4 E. Driven observation water-table well in alluvium, diameter 2 inches, depth 12 feet, cased to 10, well point. Highest water level 1.55 below lsd, July 19, 1952; lowest 6.77 below lsd, Nov. 8, 1955. Records available: 1952-55.

Lf 66--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	5.85	Apr. 5	3.39	July 5	6.19	Oct. 4	6.38
11	5.52	12	5.14	12	6.22	11	6.30
18	5.77	19	3.98	19	6.30	18	6.28
25	5.77	26	4.26	26	6.35	25	6.27
Feb. 1	5.99	May 3	4.99	Aug. 2	6.40	Nov. 1	6.21
8	6.00	10	4.38	9	6.45	8	6.77
15	6.00	17	5.75	16	6.57	15	6.23
22	4.18	24	5.87	23	6.67	22	6.24
Mar. 1	5.19	31	5.98	30	6.72	29	6.27
8	4.99	June 7	5.62	Sept. 6	6.76	Dec. 5	6.27
15	4.76	14	5.52	13	6.74	12	6.26
22	5.25	21	5.96	20	6.63	19	6.22
29	5.38	28	6.13	27	6.49	26	6.20

Lf 76. Fall River Canning Co. SE¼SW¼ sec. 30, T. 2 N., R. 1 E. Drilled industrial artesian well in St. Peter sandstone, diameter 10 inches, reported depth 525 feet, cased to 96. Highest water level 165.19 below lsd, Apr. 20, 1953; lowest 173.30 below lsd, July 25, 1955. Records available: 1953-55. Jan. 6, 168.70; May 12, 169.83; July 25, 173.30; Oct. 11, 169.77; Dec. 12, 170.04.

Lf 78. Wisconsin Conservation Department. SW¼SE¼ sec. 35, T. 4 N., R. 4 E. Drilled unused well in St. Peter sandstone, diameter 6 inches, depth 29 feet. Highest water level 8.52 below lsd, Apr. 21, 1955; lowest 17.70 below lsd, Dec. 9-10, 15, 1955. Records available: 1953-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.12	.....	.....	13.40	10.15	14.74	15.59	16.37	16.74	17.14	17.39	17.59
2	17.25	17.19	17.68	13.24	10.90	14.76	15.68	16.33	16.72	17.12	17.40	17.55
3	17.15	17.21	17.49	13.29	11.49	14.68	15.74	16.35	16.73	17.09	17.40	17.55
4	17.16	17.16	17.44	13.29	12.22	14.59	15.73	16.38	16.74	17.05	17.40	17.66
5	17.10	16.98	17.43	13.07	.....	14.58	15.72	16.40	16.78	17.00	17.30	17.66
6	17.22	17.02	17.38	12.01	.....	14.58	15.73	16.40	16.80	17.08	17.37	17.60
7	17.21	17.03	.....	11.85	.....	14.70	15.73	16.45	16.82	17.20	17.43	17.62
8	17.06	16.99	.....	11.63	.....	14.81	15.81	16.45	16.82	17.22	17.44	17.69
9	17.18	17.02	17.00	11.51	.....	14.88	15.93	15.40	16.78	17.16	17.38	17.70
10	17.20	17.11	17.06	11.48	10.57	14.88	15.95	16.45	16.90	17.18	17.25	17.70
11	17.17	17.11	17.13	11.31	10.73	14.78	15.98	16.45	16.90	17.16	17.47	17.68
12	17.11	17.21	17.10	11.45	10.82	14.92	15.97	16.45	16.90	17.20	17.49	17.66
13	17.15	17.19	17.11	11.45	11.23	14.94	15.97	16.46	16.89	17.19	17.50	17.66
14	17.10	17.06	16.97	11.07	11.60	15.00	15.94	16.46	16.88	17.21	17.51	17.66
15	17.13	17.06	16.88	11.01	11.74	15.05	15.96	16.48	16.89	17.23	17.36	17.70
16	17.20	17.19	16.97	10.94	12.03	15.05	16.01	16.47	16.90	17.25	17.33	.....
17	17.25	17.20	16.96	10.95	13.15	15.03	16.09	16.47	16.93	17.24	17.34	.....
18	17.24	17.15	16.78	10.88	13.22	15.04	16.10	16.51	16.93	17.29	17.37	.....
19	17.24	17.06	16.68	.....	13.30	15.05	16.14	16.52	16.92	17.31	17.37	.....
20	17.22	17.09	16.58	8.82	13.54	15.08	16.16	16.50	16.95	17.34	17.43	.....
21	17.02	17.15	16.16	8.66	13.57	15.16	16.14	16.53	16.96	17.38	17.47	17.46
22	.....	17.13	15.82	8.76	13.53	15.22	16.14	16.59	16.98	17.36	17.43	17.35
23	.....	17.13	15.76	8.80	13.66	15.26	16.16	16.60	17.01	17.29	17.64	17.39
24	.....	17.11	15.36	.....	13.84	15.32	16.19	16.60	17.05	17.36	17.63	17.61
25	.....	17.09	14.84	.....	14.17	15.41	16.18	16.60	17.07	17.33	17.55	17.63
26	.....	16.86	14.36	.....	14.11	15.47	16.22	16.61	17.04	17.27	17.53	17.59
27	.....	16.80	14.26	8.71	13.98	15.53	16.27	16.59	17.01	17.26	17.52	17.55
28	.....	16.74	14.02	9.04	14.01	15.53	16.28	16.61	17.06	17.23	17.57	17.51
29	.....		13.79	9.36	14.62	15.49	16.27	16.59	17.03	17.24	17.64	17.62
30	.....		13.70	9.72	14.69	15.49	16.29	16.69	17.14	17.35	17.66	17.62
31	.....		13.47		14.75		16.37	16.73		17.37		17.46

Lf 95. B. H. Mullen. SE¼NW¼ sec. 17, T. 1 N., R. 2 E. Dug unused mine shaft in Galena dolomite, size 8 by 15 feet, depth 81 feet. Land-surface datum is 988 feet above msl. Highest water level 78.98 below lsd, Nov. 23, 1954; lowest 83.35 below lsd, May 1, 1954. Records available: 1953-55.

Lf 95--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	79.64	.....	79.55	.....	79.62	79.73	79.30	80.30	80.92	81.47	81.37	.....
2	79.94	.....	79.74	79.53	79.31	79.74	79.44	80.24	80.88	81.49	81.49	81.42
3	79.76	.....	79.46	79.56	79.28	79.63	79.52	80.18	80.86	81.45	81.59	81.42
4	79.76	.....	79.65	79.60	79.29	79.25	79.52	80.23	80.82	81.36	81.59	81.56
5	79.55	79.50	79.76	79.50	79.34	79.22	79.46	80.29	80.92	.....	81.37	81.65
6	79.86	79.62	79.77	79.60	80.05	79.14	79.41	80.26	80.87	.....	81.33	81.59
7	79.86	79.64	.....	79.79	80.28	79.12	79.36	80.36	80.92	.....	81.51	81.37
8	79.54	79.51	.....	.....	80.47	79.20	79.37	80.39	80.92	81.47	81.60	81.71
9	79.68	79.47	.....	.....	80.44	79.29	79.60	80.31	80.85	81.39	81.47	81.90
10	79.74	.....	.....	.....	80.44	79.29	79.71	80.38	81.00	81.31	81.03	82.00
11	79.70	.....	.....	.....	80.48	79.25	79.79	80.44	81.07	81.30	81.28	81.98
12	79.48	79.92	79.65	.....	80.44	79.38	79.82	80.44	81.08	81.10	81.41	81.92
13	79.66	79.85	79.74	.....	80.34	79.44	79.81	80.43	81.07	81.10	81.57	81.69
14	79.50	79.74	79.63	.....	.....	79.60	79.69	80.39	.....	81.10	81.63	81.73
15	79.43	79.63	79.55	.....	80.49	79.60	79.59	80.43	.....	81.13	81.29	81.83
16	79.63	79.93	79.92	79.59	80.38	79.60	79.62	80.38	.....	81.19	.....	81.82
17	79.79	79.90	79.92	79.62	80.41	79.56	79.71	80.36	.....	.....	.....	81.71
18	79.80	79.77	79.63	79.52	80.34	79.51	79.85	80.43	81.08	81.27	81.65	.....
19	79.87	79.50	79.53	.....	80.25	79.44	79.94	80.46	81.04	81.35	81.69	.....
20	79.87	79.56	79.61	.....	80.23	79.41	79.97	80.40	81.01	81.40	81.62	82.26
21	79.42	79.76	79.23	.....	.....	79.44	79.93	80.41	81.03	81.60	81.52	82.25
22	79.23	79.79	79.34	.....	.....	79.43	79.84	80.54	81.09	81.59	81.21	82.24
23	.....	79.90	79.51	.....	.....	79.43	79.82	80.60	81.14	81.27	.....	81.41
24	.....	80.00	79.70	.....	.....	79.43	79.91	80.62	81.35	81.45	.....	.....
25	.....	79.98	79.68	.....	.....	79.44	79.90	80.61	81.44	.....	.....	82.10
26	.....	79.58	.....	.....	.....	79.45	79.95	80.61	81.42	.....	81.61	82.16
27	.....	79.71	.....	.....	.....	79.54	79.99	80.53	81.25	.....	81.34	82.13
28	.....	79.53	.....	.....	79.37	79.51	80.08	80.55	81.26	80.89	.....	81.98
29	79.82		.....	.....	79.55	79.38	80.07	80.52	81.16	80.82	.....	.....
30	.....		.....	79.77	79.64	79.34	80.07	80.66	81.36	81.07	.....	.....
31	.....		.....		79.73		80.29	80.84		81.09		.....

Lf 121. Arthur Hancock. SE¼SE¼ sec. 35, T. 1 N., R. 2 E. Drilled unused well in Galena dolomite, diameter 6 inches, reported depth 300 feet. Land-surface datum is 1,130 feet above msl. Highest water level 69.17 below lsd, July 1, 1955; lowest 74.09 below lsd, Dec. 29-30, 1955. Records available: 1953-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	72.20	72.68	71.27	71.75	70.50	70.17	69.29	69.97	70.56	71.59	71.85	73.15
2	72.56	73.13	71.53	71.30	70.21	70.16	.....	69.86	70.56	71.58	71.99	72.82
3	72.44	73.27	71.27	71.24	70.12	70.04	69.61	69.77	70.59	71.53	72.12	72.82
4	72.43	73.27	71.40	.....	70.08	69.78	69.61	69.83	70.55	71.27	72.12	73.03
5	72.25	72.77	71.54	.....	70.10	69.64	69.52	69.89	70.69	71.05	72.00	73.11
6	72.59	72.67	71.54	.....	70.07	69.48	69.41	69.81	70.66	70.98	71.77	73.00
7	72.59	72.71	71.55	71.54	70.88	69.48	69.35	69.97	70.69	70.35	72.12	72.83
8	72.33	72.65	71.40	71.53	71.05	69.56	69.31	69.99	70.72	71.60	72.25	73.24
9	72.46	72.44	70.94	.....	71.03	69.62	69.53	69.88	70.60	71.46	72.19	73.43
10	72.53	72.80	70.92	.....	70.97	69.61	69.64	69.97	70.84	71.40	71.65	73.56
11	72.54	72.95	71.04	.....	71.00	69.39	69.73	70.06	70.95	71.36	71.89	73.58
12	72.40	73.21	71.45	70.00	70.95	69.55	69.76	70.05	70.99	71.00	72.07	73.58
13	72.54	73.21	71.50	69.94	70.73	69.63	69.75	70.05	70.99	71.20	72.26	73.31
14	72.46	72.97	71.46	70.04	.....	69.77	69.60	69.99	70.74	71.23	72.33	73.28
15	72.22	73.05	71.33	70.11	70.85	69.82	69.34	70.01	70.76	71.27	72.05	73.42
16	72.45	72.97	71.60	70.05	70.60	69.82	69.37	69.97	70.81	71.33	72.11	73.42
17	72.67	.....	71.60	70.20	70.67	69.79	69.57	69.92	70.91	71.33	72.66	73.29
18	72.71	.....	71.46	70.00	70.54	69.72	69.66	71.00	70.94	71.48	72.66	73.72
19	72.80	.....	71.38	69.69	70.37	69.61	69.77	70.04	70.86	71.61	72.63	73.92
20	.....	.....	71.40	70.58	70.30	69.56	69.79	69.97	70.88	71.67	72.58	73.90
21	.....	.....	70.91	70.58	70.31	69.59	.....	69.95	70.92	71.86	72.45	73.67
22	72.34	.....	70.77	70.57	70.08	69.55	.....	70.17	71.01	71.86	72.32	73.19
23	72.40	.....	70.90	70.45	70.02	69.54	.....	70.22	71.15	71.52	72.80	73.92
24	72.39	.....	70.91	70.11	70.00	69.52	.....	70.23	71.34	71.75	72.98	73.45
25	72.60	.....	.....	70.54	70.17	69.55	69.54	70.21	71.46	71.72	72.89	73.81
26	72.86	71.37	71.36	70.61	70.09	69.60	69.58	70.21	71.46	71.46	72.77	73.87
27	72.86	71.36	71.88	70.42	69.75	69.70	69.66	70.13	71.22	71.46	72.48	73.87
28	72.65	71.33	71.88	70.54	69.81	69.70	69.74	70.19	71.32	71.35	72.51	73.86
29	72.71		71.99	70.71	69.99	69.48	69.69	70.10	71.18	71.16	73.06	74.09
30	72.90		71.87	70.78	70.09	69.32	69.68	70.30	71.48	71.47	73.18	74.09
31	72.82		71.81		70.18		69.96	70.50		71.61		73.70

Langlade County

La 9. U. S. Geol. Survey. SW¼NE¼ sec. 35, T. 31 N., R. 10 E. Driven observation water-table well in sand, diameter 1¼ inches, depth 19 feet, cased to 17, well point. Land-surface datum is 1,470.06 feet above msl. Highest water level 10.29 below lsd, July 1, 1952; lowest 15.15 below lsd, Mar. 5, 1951. Records available: 1948-55. Jan. 11, 12.95; May 5, 12.04; July 22, 11.91; Oct. 13, 12.22.

La 26. U. S. Geol. Survey. SE¼NE¼ sec. 7, T. 31 N., R. 11 E. Driven unused well in sand, diameter 1¼ inches, depth 23 feet, cased to 23. Land-surface datum is 1,522.66 feet above msl. Highest water level 3.42 below lsd, June 2, 1945; lowest 10.98 below lsd, Jan. 5, 1954. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	8.07	Apr. 6	5.89	July 5	5.67	Oct. 5	7.34
12	8.18	15	5.58	11	5.99	12	7.44
18	8.32	19	5.53	20	6.02	19	7.60
25	8.44	27	5.67	26	6.20	27	7.69
Feb. 2	8.68	May 3	5.72	Aug. 3	6.34	Nov. 1	7.67
8	8.72	11	5.89	11	6.55	7	7.71
16	8.77	18	5.07	17	6.63	23	7.94
22	8.97	24	6.00	23	6.72	30	8.14
Mar. 1	8.89	31	5.78	30	6.75	Dec. 7	8.22
8	8.85	June 7	5.79	Sept. 6	6.97	14	8.38
15	7.67	14	4.91	14	7.23	21	8.42
23	7.37	21	5.22	20	7.20	28	8.42
Apr. 1	6.47	28	5.42	28	7.35		

La 27. Julius and Sabina Boelter. NW¼NW¼ sec. 8, T. 31 N., R. 12 E. Drilled stock well in sand, diameter 4 inches. Highest water level 79.51 below lsd, June 24, 1948; lowest 84.11 below lsd, July 1, 1952. Records available: 1948, 1952-55. Jan. 11, 81.34; Mar. 17, 81.58; May 5, 81.47; July 22, 80.99; Oct. 13, 80.86.

La 44. J. Jacobus. NE¼NW¼ sec. 32, T. 32 N., R. 11 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 26 feet. Land-surface datum is 1,547.84 feet above msl. Highest water level 20.53 below lsd, July 1, 1952; lowest 24.07 below lsd, Mar. 22, 1950. Records available: 1948-55. Corrected measurements 1952-54.

June 24, 1952	21.25	Apr. 28, 1953	21.51	Mar. 3, 1954	22.90	Jan. 11, 1955	23.45
July 1	20.53	July 7	21.72	May 5	23.18	Mar. 17	23.47
Aug. 27	20.73	Sept. 10	21.92	July 7	23.28	May 5	22.56
Oct. 28	20.84	Nov. 5	21.16	Aug. 31	23.27	July 22	22.06
Dec. 30	21.07	Jan. 6, 1954	22.61	Nov. 10	23.29	Oct. 13	22.51
Feb. 25, 1953	21.27						

La 64. Wisconsin Conservation Department. NW¼SE¼ sec. 20, T. 31 N., R. 11 E. Driven unused water-table well in sand, diameter 2 inches, reported depth 20 feet, 2-inch screen. Land-surface datum is 1,507.93 feet above msl. Highest water level 12.84 below lsd, May 12, 1952; lowest 16.46 below lsd, Jan. 31, 1949. Records available: 1948-55.

Jan. 3	15.01	Apr. 4	13.22	July 4	13.17	Oct. 3	14.5
10	15.10	11	13.70	11	13.25	10	14.52
17	15.15	18	13.57	18	13.42	17	14.71
25	15.17	25	13.20	26	13.51	24	14.79
31	15.30	May 2	13.45	Aug. 1	13.66	31	14.80
Feb. 7	15.35	9	13.55	8	13.68	Nov. 7	14.83
14	15.50	16	13.67	15	13.77	14	14.93
21	15.65	23	13.69	22	13.93	21	15.0
28	15.45	31	13.60	29	14.05	28	15.04
Mar. 7	15.56	June 6	13.60	Sept. 5	14.12	Dec. 5	15.15
14	15.44	13	13.05	12	14.29	12	15.24
21	14.91	20	12.90	26	14.45	19	15.32
28	14.67	27	13.10				

La 71. Fred Anstutz. SW¼NW¼ sec. 6, T. 31 N., R. 10 E. Dug and driven unused water-table well in sand, diameter 2 inches, reported depth 20 feet. Land-surface datum is 1,535.0 feet above msl. Highest water level 9.00 below lsd, May 5, 1955; lowest 13.88 below lsd, Mar. 15, 1949. Records available: 1948-55. Jan. 11, 10.48; Mar. 17, 11.20; May 5, 9.00; July 22, 10.01; Oct. 13, 10.9. Measurement discontinued.

La 86. A. F. Hoeft. NW¼SE¼ sec. 16, T. 32 N., R. 10 E. Drilled unused water-table well in sand, diameter 4 inches, reported depth 48 feet. Land-surface datum is 1,526 feet above msl. Highest water level 7.75 below lsd, Oct. 15, 1951; lowest 12.20 below lsd, Oct. 11, 1950. Records available: 1948-55. Jan. 11, 9.23; Mar. 17, 9.18; May 5, 8.08; July 22, 8.95; Oct. 13, 9.36. Measurement discontinued.

La 107. Carlsen. SW¼NW¼ sec. 26, T. 32 N., R. 12 E. Drilled domestic water-table well in sand, diameter 5 inches, reported depth 128 feet. Land-surface datum is 1,650.84 feet above msl. Highest water level 114.09 below lsd, Aug. 6, 1948; lowest 121.20 below lsd, May 5, 1954. Records available: 1948-55. Jan. 11, 119.91; Mar. 17, 117.52; May 5, 118.46; July 22, 117.06; Oct. 13, 117.53. Measurement discontinued.

La 118. Wisconsin Public Service Corp. NE¼NW¼ sec. 20, T. 31 N., R. 11 E. Driven unused water-table well in sand, diameter 1½ inches, depth 22 feet, well point. Land-surface datum is 1,510.95 feet above msl. Highest water level 6.88 below lsd, July 19, 1943; lowest 13.84 below lsd, Feb. 28, 1949. Records available: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	11.88	Apr. 4	10.85	July 5	9.56	Oct. 4	11.37
10	12.00	11	10.38	12	9.72	10	11.35
17	12.10	18	10.10	18	10.88	17	11.45
24	12.15	25	9.94	25	10.35	24	11.63
31	12.24	May 2	10.93	Aug. 1	11.24	Nov. 1	11.69
Feb. 7	12.35	9	10.06	9	10.40	7	11.77
14	12.45	16	10.15	15	10.50	14	11.9
21	12.54	23	10.16	23	10.68	21	11.97
28	12.58	31	10.17	29	10.77	28	12.04
Mar. 7	12.64	June 6	10.07	Sept. 6	10.80	Dec. 5	12.11
14	12.39	14	9.48	12	11.06	13	12.22
22	10.60	20	9.32	20	11.14	19	12.36
28	11.54	28	9.43	26	11.00	27	12.4

La 200. Antigo Water Department. NE¼NW¼ sec. 29, T. 31 N., R. 11 E. Jetted unused water-table well in sand, diameter 6 inches, reported depth 15 feet, cased to 14. Highest water level 1.03 above lsd, Mar. 23, 1953; lowest 6.82 below lsd, Feb. 22, 1951. Records available: 1948-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.50	5.85	5.93	4.94	4.94	....	4.12	....	5.24	5.43	5.23	5.69
2	5.51	5.88	5.92	4.65	4.98	....	4.15	....	5.37	5.48	5.26	5.72
3	5.52	5.84	5.98	4.57	5.21	4.23	4.16	....	5.39	5.49	5.26	5.70
4	5.51	5.89	6.01	4.54	4.82	4.19	4.13	....	5.33	5.40	5.37	5.68
5	5.56	5.91	6.01	4.62	4.83	4.20	4.08	4.96	5.31	5.38	5.40	5.68
6	5.60	5.89	6.06	4.63	4.86	4.11	4.14	5.01	5.33	5.32	5.33	5.65
7	5.60	5.85	6.09	4.62	4.82	4.07	4.34	5.02	5.29	5.29	5.37	5.71
8	5.61	5.89	6.09	4.77	4.89	4.07	4.43	4.87	5.38	5.41	5.41	5.75
9	5.63	5.89	6.10	4.81	4.90	3.69	4.48	5.08	5.37	5.44	5.39	5.74
10	5.60	5.95	6.10	4.81	4.83	3.54	4.69	5.11	5.32	5.38	5.41	5.80
11	5.65	5.98	5.85	4.91	4.98	3.55	4.78	5.09	5.33	5.46	5.43	5.81
12	5.67	5.98	5.65	4.93	5.02	3.45	4.82	5.27	5.34	5.48	5.40	5.75
13	5.65	5.99	5.68	4.89	5.02	3.49	5.05	5.29	5.28	5.43	5.45	5.78
14	5.69	6.00	5.68	4.65	5.12	3.51	5.14	5.23	5.39	5.52	5.46	5.80
15	5.72	5.99	5.38	4.63	5.14	3.52	5.23	5.21	5.45	5.54	5.43	5.76
16	5.70	5.99	5.25	4.60	5.06	3.64	5.45	5.18	5.43	5.50	5.50	5.79
17	5.71	6.02	5.09	4.70	5.13	3.69	5.48	5.42	5.46	5.49	5.52	5.82
18	5.73	6.02	5.12	4.71	5.15	3.69	5.34	5.55	5.39	5.51	5.52	5.80
19	5.73	6.01	5.19	4.56	4.99	3.76	5.57	5.58	5.21	5.48	5.58	5.85
20	5.75	6.02	5.20	4.67	4.91	3.77	5.61	5.58	5.38	....	5.60	5.91
21	5.77	5.72	5.21	4.70	4.93	3.69	5.58	5.54	5.42	....	5.50	5.92
22	5.75	5.84	5.29	4.68	4.90	3.81	5.75	5.55	5.40	5.57	5.57	5.85
23	5.77	5.89	5.38	4.76	4.79	3.85	5.81	5.46	5.46	5.56	5.58	5.88
24	5.79	5.89	5.45	4.78	4.78	3.81	5.72	5.48	5.49	5.53	5.54	5.90
25	5.79	5.92	5.48	4.71	4.49	3.91	5.60	5.49	5.43	5.51	5.60	....
26	5.84	5.95	5.49	4.83	4.54	3.95	5.66	5.35	5.46	5.40	5.62	....
27	5.85	5.94	5.59	4.86	4.54	3.90	5.66	5.36	5.47	5.40	5.56	....
28	5.82	5.95	5.61	4.84	4.33	4.04	....	5.38	5.34	5.50	5.63	....
29	5.84		5.60	4.96	....	4.08	....	5.20	5.42	5.47	5.66	5.85
30	5.88		5.52	4.98	....	4.05	....	5.31	5.45	5.26	5.59	5.87
31	5.86		5.37		....		....	5.33		5.11		5.86

La 227. Luhring. NW¼NW¼ sec. 20, T. 32 N., R. 12 E. Drilled unused well in sand, diameter 4 inches, reported depth 111 feet. Land-surface datum is 1,638 feet above msl. Highest water level 93.21 below lsd, Dec. 30, 1952; lowest 98.15 below lsd, July 22, 1955. Records available: 1949, 1951-55. Jan. 11, 97.37; Mar. 17, 97.42; May 5, 97.36; July 22, 98.15; Oct. 13, 97.56.

Lincoln County

Ln 25. U. S. Geol. Survey. SE¼NE¼ sec. 36, T. 34 N., R. 6 E. Driven unused water-table well in deposits of Pleistocene age, diameter 1¼ inches, depth 23 feet, cased to 23, well point. Highest water level 4.15 below lsd, July 22, 1952; lowest 6.74 below lsd, Mar. 4, 1952. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	5.84	Apr. 12	4.70	July 5	5.36	Sept. 26	6.02
10	5.86	18	4.59	12	5.66	Oct. 2	6.06
16	5.91	25	4.74	18	5.82	10	5.96
23	5.96	May 3	4.92	25	5.87	16	6.01
31	6.07	9	5.14	Aug. 1	5.69	23	6.03
Feb. 14	6.18	17	5.41	8	5.43	30	5.84
21	5.69	24	5.01	15	5.51	Nov. 6	5.78
27	5.92	29	4.92	22	5.67	13	5.76
Mar. 6	5.97	June 7	4.75	30	5.62	20	5.78
14	5.05	13	4.56	Sept. 6	5.84	27	5.8
21	5.09	20	5.02	12	5.91	Dec. 18	6.01
28	5.13	27	5.36	19	5.97	26	6.03
Apr. 3	4.65						

Marathon County

Mr 1. George Chrudimsky. NW¼NE¼ sec. 25, T. 30 N., R. 10 E. Drilled domestic stock water-table well in sand and gravel of Pleistocene age, diameter 4 inches, reported depth 85 feet. Highest water level 31.47 below lsd, Apr. 30, 1949; lowest 38.27 below lsd, Mar. 25, 1950. Records available: 1948-55.

Jan. 1	34.50	Apr. 2	35.07	July 2	33.94	Oct. 1	33.99
8	34.60	9	35.97	9	33.89	8	34.02
15	34.71	16	34.42	16	33.87	22	34.09
22	34.82	23	34.39	23	33.97	29	34.04
29	34.87	30	34.49	30	33.92	Nov. 6	34.07
Feb. 5	34.92	May 7	34.27	Aug. 6	33.97	12	34.04
12	35.07	14	34.29	13	33.92	19	34.09
19	35.17	21	34.32	20	33.82	26	34.17
26	35.22	28	34.29	27	33.72	Dec. 6	34.29
Mar. 5	35.27	June 4	34.24	Sept. 3	33.82	10	34.42
12	35.32	11	34.19	10	33.87	17	34.47
19	35.22	18	34.07	17	33.92	24	34.59
26	35.27	25	33.92	24	33.97	31	34.67

Mr 7. City of Marshfield. SE¼SE¼ sec. 33, T. 26 N., R. 3 E. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 7 inches, reported depth 49 feet, cased to 30, screen 30-49. Highest water level 16.92 below lsd, June 12, 1950; lowest 31.06 below lsd, Nov. 17, 20, 1955. Records available: 1950-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	29.68	29.41	.....	29.86	.....	30.33	30.35	30.67	30.71	30.80	30.90	30.90
2	29.68	.....	29.54	29.86	.....	30.35	30.44	30.73	30.68	30.80	30.90	30.89
3	29.61	.....	29.52	29.89	30.05	30.30	30.47	30.66	30.73	30.80	30.89	30.95
4	29.42	.....	29.54	29.86	30.05	30.37	30.44	30.69	30.75	30.80	30.89	30.99
5	29.42	.....	29.55	29.97	30.08	30.37	30.48	30.64	30.74	.....	30.96	30.93
6	29.42	.....	29.65	29.97	30.03	30.38	30.50	30.72	30.74	.....	30.99	30.93
7	29.42	.....	29.65	29.86	30.20	30.31	30.53	30.72	30.75	.....	30.96	30.93
8	29.53	.....	29.62	29.90	30.21	30.34	30.59	30.70	30.73	.....	30.98	30.93
9	29.57	.....	.....	29.90	30.08	30.27	30.61	30.70	30.74	.....	30.93	30.93
10	29.52	.....	29.70	.....	30.11	30.33	30.63	30.69	30.73	.....	30.95	30.96
11	29.52	.....	29.70	29.99	30.10	30.34	30.56	30.70	30.74	.....	30.93	30.99
12	29.52	.....	29.75	30.02	30.10	30.33	30.58	30.66	30.73	.....	30.99	30.97
13	29.55	.....	29.75	29.96	30.10	30.39	30.57	30.71	30.75	30.85	31.00	30.94
14	29.52	.....	29.74	30.07	30.11	30.41	30.57	30.72	30.71	30.84	31.00	30.93
15	29.55	.....	29.83	30.07	30.15	30.32	30.55	30.72	30.74	30.86	31.02	30.89
16	29.57	.....	29.78	30.17	30.16	30.35	30.63	30.73	30.70	30.90	31.00	30.86
17	29.55	29.47	29.78	30.18	.....	30.29	30.66	30.69	30.74	30.90	31.06	30.87
18	29.55	.....	29.76	29.99	.....	30.34	30.63	30.70	30.79	30.90	31.00	30.90
19	29.52	.....	29.87	29.98	.....	30.33	30.64	30.68	30.78	30.88	31.03	.....
20	29.52	.....	29.87	29.82	.....	30.35	30.58	30.74	30.80	30.91	31.06	30.87

Mr 7--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	29.48	.....	29.83	29.91	.....	30.36	30.62	30.75	30.73	.....	31.00	30.87
22	29.60	.....	29.88	29.93	.....	30.31	30.59	30.73	30.75	.....	31.03	30.86
23	29.60	.....	.....	29.95	.....	30.32	30.67	30.74	30.71	.....	31.00	30.87
24	29.55	.....	.....	30.08	.....	30.32	30.67	30.71	30.78	.....	31.00	30.88
25	.....	.....	.....	.....	30.30	30.37	30.65	30.73	30.80	30.91	30.94	30.88
26	.....	29.61	.....	.....	30.30	30.37	30.67	30.70	30.76	30.91	30.95	30.88
27	.....	29.55	.....	.....	30.34	30.37	30.67	30.73	30.79	30.96	30.98	30.90
28	.....	29.45	29.79	.....	30.38	30.37	30.65	30.76	30.79	30.97	30.94	30.91
29	.....		29.77	.....	30.44	30.32	30.62	30.73	30.76	30.92	30.90	30.88
30	.....		29.79	.....	30.37	30.35	30.69	30.76	30.75	30.97	30.90	30.89
31	.....		29.75		30.38		30.73	30.72		30.93		.....

Mr 8. William Pacholke, Sr. SW¼SW¼ sec. 18, T. 28 N., R. 2 E. Drilled unused water-table well in sand of Pleistocene age, diameter 7 inches, depth 48 feet. Highest water level 1.42 below lsd, Apr. 8, 1953; lowest 6.20 below lsd, Nov. 19, 1953. Records available: 1953-55. Jan. 14, 3.10; Mar. 11, 2.08; May 9, 2.93; July 13, 3.20; Sept. 15, 4.82.

Mr 27. Conrad Kremsreiter. SE¼SE¼ sec. 24, T. 29 N., R. 3 E. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 8 to 4 inches, reported depth 42 feet. Highest water level 2.76 below lsd, June 13, 1955; lowest 9.98 below lsd, Apr. 5, 1950. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	6.87	Apr. 6	4.02	July 5	5.13	Oct. 4	7.85
10	6.73	14	4.77	11	5.77	11	7.80
17	6.83	20	4.30	18	5.81	17	8.10
25	6.66	27	4.68	25	6.14	24	8.35
Feb. 1	6.65	May 3	5.09	Aug. 1	6.60	31	8.34
7	7.52	10	5.53	8	6.40	Nov. 8	8.35
18	7.68	18	5.74	15	6.29	14	8.35
23	7.55	23	5.72	22	6.67	21	8.39
28	7.56	June 2	5.10	29	6.59	30	8.56
Mar. 8	7.64	9	2.86	Sept. 7	7.13	Dec. 6	8.38
15	7.52	13	2.76	12	7.39	15	8.65
23	7.17	20	3.56	19	7.55	22	8.58
28	7.33	30	4.60	26	7.82	27	8.82

Mr 28. U. S. Geol. Survey. NE¼NE¼ sec. 31, T. 27 N., R. 9 E. Driven unused water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 28 feet, cased to 28, well point. Land-surface datum is 1,229 feet above msl. Highest water level 17.30 below lsd, Sept. 10, 1945; lowest 24.84 below lsd, Mar. 26, 1951. Records available: 1944-55.

Jan. 3	22.08	Apr. 4	21.80	July 5	21.90	Oct. 10	21.58
10	22.10	11	21.68	13	21.53	17	21.60
17	22.10	18	21.65	18	21.52	24	21.59
24	22.12	25	21.62	25	21.50	31	21.64
31	22.12	May 2	21.61	Aug. 1	21.50	Nov. 7	21.66
Feb. 7	22.16	9	21.62	8	21.50	14	21.70
14	22.19	16	21.60	15	21.51	21	21.72
21	22.22	23	21.59	22	21.52	28	21.74
28	22.28	31	21.59	29	21.90	Dec. 5	21.80
Mar. 7	22.32	June 6	21.54	Sept. 6	21.52	12	21.82
14	22.29	13	21.54	12	21.54	19	21.85
21	21.99	20	21.52	26	21.57	27	21.91
28	21.98	27	21.53	Oct. 3	21.57		

Marinette County

Mt 1. R. S. Skidmore. SE¼NW¼ sec. 6, T. 30 N., R. 24 E. Drilled unused artesian well in sandstone, diameter 5 inches, reported depth 700 feet. Highest water level 4.98 below lsd, Apr. 27, 1948; lowest 33.98 below lsd, Oct. 26, 1955. Records available: 1946-55. Jan. 20, 7.45; Mar. 15, 18.41; June 20, 24.71; Aug. 31, 29.23; Oct. 26, 33.98.

Mt 5. City of Peshtigo. SE¼NE¼ sec. 19, T. 30 N., R. 23 E. Drilled unused artesian well in sandstone, diameter 5 inches, reported depth 700 feet. Highest water level 17.24 below lsd, May 1, 1950; lowest 28.25 below lsd, Aug. 20, 1955. Records available: 1947-55.

Mt 5--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	21.80	25.30	.....	25.68	25.42	26.55	27.04	25.50	27.34	28.17	26.60	.....
2	19.74	.....	25.81	25.94	25.46	26.38	27.10	26.04	26.70	27.75	26.80	27.20
3	20.60	.....	25.60	26.73	25.31	26.00	26.50	26.52	27.10	26.30	27.00	27.25
4	22.58	.....	25.50	23.82	25.30	26.02	22.53	26.85	26.66	26.77	27.00	27.40
5	23.40	25.52	25.49	24.70	25.32	26.02	23.68	27.08	24.75	27.14	27.11	27.48
6	23.90	25.61	25.54	24.78	25.27	25.36	25.90	27.23	24.95	27.20	27.43	27.40
7	24.11	24.70	25.11	.....	25.38	25.42	26.53	27.27	26.06	27.13	27.53	27.48
8	24.22	25.31	25.43	.....	25.50	25.66	26.72	25.65	26.35	27.25	27.60	27.37
9	24.53	25.53	25.60	25.23	24.30	26.11	27.06	26.72	26.63	27.52	27.79	27.26
10	24.81	25.50	25.74	25.10	24.96	26.28	27.37	27.33	27.00	27.60	27.60	27.54
11	24.80	25.60	25.81	23.58	25.32	26.22	26.25	27.80	27.20	27.70	27.60	27.38
12	24.83	25.73	25.75	24.50	25.50	26.14	26.53	27.78	27.74	27.83	27.63	27.33
13	.....	.....	26.01	24.80	25.58	25.10	27.10	27.80	27.73	27.70	27.75	27.38
14	24.83	.....	26.00	24.90	26.01	25.80	27.12	27.39	27.50	27.70	27.70	27.54
15	25.01	.....	25.92	25.03	26.25	26.20	26.82	27.06	27.52	27.72	27.70	27.53
16	24.50	.....	25.90	25.05	26.40	26.72	26.96	27.34	27.82	27.91	27.56	27.48
17	24.12	.....	25.82	25.10	26.66	27.11	27.10	27.78	27.69	27.63	27.50	27.40
18	24.73	26.20	25.81	25.27	26.70	27.04	26.62	27.94	27.42	.....	27.53	27.63
19	25.03	26.15	25.72	25.18	26.67	26.76	27.10	26.16	26.95	28.02	27.40	27.66
20	25.12	26.20	25.80	25.09	26.70	25.11	27.61	28.25	26.93	27.86	27.43	27.60
21	24.80	25.50	24.34	25.05	26.92	25.77	27.72	27.93	27.00	27.90	25.90	27.63
22	24.95	25.06	24.85	25.22	26.46	26.13	27.33	26.35	27.31	27.63	26.40	27.35
23	25.23	25.60	25.22	24.62	25.00	26.25	28.42	25.76	27.17	27.87	27.08	27.30
24	25.22	25.52	25.31	25.22	25.29	26.60	27.64	26.95	27.36	27.84	27.02	27.49
25	25.23	.....	25.44	24.13	25.61	27.20	26.48	27.24	27.43	27.80	.....	25.61
26	25.33	.....	25.55	24.70	25.61	27.06	27.72	27.23	27.40	27.80	.....	22.74
27	25.31	.....	25.90	24.90	25.76	25.68	26.85	27.42	27.27	27.82	.....	24.00
28	25.20	.....	26.02	24.96	25.60	26.65	26.97	27.22	27.64	27.68	.....	25.35
29	25.31		26.00	25.10	25.88	26.35	27.03	25.92	27.60	27.49	.....	25.93
30	25.46		26.01	25.13	26.20	26.84	27.17	26.57	27.73	27.55	.....	26.31
31	25.22		25.85		26.41		27.02	27.20		25.93		26.53

Mt 7. Wisconsin Conservation Department. NW¼NE¼ sec. 34, T. 37 N., R. 20 E. Drilled unused well, diameter 8 inches, reported depth 33 feet. Highest water level 19.87 below lsd, July 17, 1951; lowest 23.26 below lsd, Nov. 2, 1948. Records available: 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	21.79	Apr. 5	21.00	July 5	21.25	Oct. 4	22.15
11	21.81	12	20.75	12	21.35	11	22.15
18	21.84	19	20.65	19	21.50	18	22.15
25	21.90	26	20.50	26	21.60	25	22.22
Feb. 1	21.88	May 3	20.60	Aug. 2	21.68	Nov. 1	22.20
8	21.87	10	20.72	9	21.70	8	22.20
15	21.86	17	20.80	16	21.75	15	22.25
26	21.85	24	20.88	23	21.80	22	22.28
Mar. 1	21.94	31	20.96	30	21.86	29	22.32
8	21.80	June 7	20.92	Sept. 6	21.94	Dec. 2	22.33
15	21.75	14	20.93	13	22.00	12	22.33
22	21.52	21	21.05	20	22.05	19	22.34
29	21.40	28	21.18	27	22.08	26	22.35

Mt 9. Fox River Valley Girl Scouts. W. M. P. No. 32. SW¼NE¼ sec. 18, T. 35 N., R. 22 E. Drilled domestic water-table well in glacial till, diameter 6 inches, depth 75 feet. Highest water level 7.67 below lsd, Apr. 18, May 3, June 1, 1951; lowest 10.67 below lsd, Oct. 31, 1952. Records available: 1950-55.

Jan. 3	8.75	Apr. 29	8.17	Aug. 2	8.33	Nov. 1	8.40
Feb. 1	8.83	May 31	8.00	Sept. 2	8.50	Dec. 2	8.42
28	8.92	July 6	8.20	Oct. 3	8.50	28	8.33
Mar. 30	8.83						

Marquette County

Mq 5. L. Wilson. NW¼NE¼ sec. 21, T. 14 N., R. 10 E. Drilled unused well, diameter 6 inches, depth 60 feet. Highest water level 40.14 below lsd, May 20, 1952; lowest 45.19 below lsd, Mar. 8, 1951. Records available: 1949-55. Jan. 10, 42.05; Mar. 16, 41.32; May 4, 41.47; Aug. 5, 41.95; Oct. 13, 42.63. Measurement discontinued.

Mq 7. J. Croarken. NW¼SE¼ sec. 33, T. 16 N., R. 10 E. Drilled unused well, diameter 6 inches. Highest water level 30.78 below lsd, May 20, 1952; lowest 34.66 below lsd, May 3, 1954. Records available: 1949-55. Jan. 10, 32.31; Mar. 16, 32.89; May 4, 32.50; Aug. 5, 33.42; Oct. 13, 33.14.

Mq 9. Village of Westfield. SW¼SE¼ sec. 12, T. 16 N., R. 8 E. Drilled unused well in sandstone, diameter 6 inches, depth 274 feet. Highest water level 15.06 below lsd, May 20, 1952; lowest 17.20 below lsd, Mar. 23, 1950. Records available: 1949-55. Jan. 10, 15.44; Mar. 16, 15.86; May 4, 15.62; Aug. 5, 15.94; Oct. 13, 16.52.

Mq 11. U. S. Geol. Survey. NW¼SW¼ sec. 17, T. 15 N., R. 9 E. Driven unused water-table well in fine sand, diameter 1½ inches, depth 12 feet, cased to 12, well point. Highest water level 0.57 below lsd, May 3, 1954; lowest 3.88 below lsd, Oct. 13, 1955. Records available: 1950-55. Jan. 10, 1.80; Mar. 16, 1.37; May 11, 1.62; Aug. 5, 2.93; Oct. 13, 3.88.

Milwaukee County

Ml 2. Harley Davidson. SW¼SW¼ sec. 6, T. 7 N., R. 21 E. Drilled well in Mount Simon, Eau Claire, and St. Peter sandstones, diameter 22 to 14 inches, reported depth 1,740 feet, cased to 535. Highest water level 108.78 below lsd, May 5, 1953; lowest 152.51 below lsd, Sept. 8, 1953. Records available: 1952-55. Mar. 31, 139.83; June 28, 139.60; Nov. 1, 151.84.

Ml 7. Milwaukee County. SW¼NE¼ sec. 13, T. 8 N., R. 21 E. Drilled public-supply artesian well in sandstone and limestone, diameter 10 to 8 inches, reported depth 1,526 feet. Land-surface datum is 704 feet above msl. Highest water level 42.57 below lsd, May 11, 1948; lowest 61.0 below lsd, Nov. 1, 1955. Records available: 1946-55. Nov. 1, 61.0.

Ml 8. Milwaukee County. NW¼NE¼ sec. 35, T. 8 N., R. 21 E. Drilled unused artesian well in sandstone, diameter 12 to 10 inches, reported depth 1,407 feet, cased to 633. Land-surface datum is 677 feet above msl. Highest water level 50.54 below lsd, June 4, 1947; lowest 153.36 below lsd, Sept. 20, 1949. Records available: 1946-55. Mar. 31, 69.79; June 28, 70.15; Nov. 1, 70.89.

Ml 36. A. O. Smith Corp. NE¼SE¼ sec. 12, T. 7 N., R. 21 E. Drilled unused artesian well in sandstone, diameter 14 inches, reported depth 1,091 feet, cased to 774. Land-surface datum is 673 feet above msl. Highest water level 134.26 below lsd, June 25, 1947; lowest 213.39 below lsd, Sept. 1, 1955. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	188.18	182.31	178.60	175.81	180.38	184.95	189.96	202.55	213.39	211.16	204.44	199.33
2	188.28	182.55	178.80	175.88	180.31	185.00	190.60	202.90	213.31	210.99	204.44	198.68
3	188.23	182.58	178.72	175.86	180.42	185.10	191.05	203.30	213.19	210.60	204.30	198.46
4	187.90	182.56	178.58	175.90	180.48	184.62	191.35	203.69	212.99	210.46	204.25	197.65
5	187.60	182.00	178.57	175.88	180.61	184.61	191.60	204.08	.....	210.12	203.97	197.56
6	187.60	181.53	178.50	175.41	180.71	185.00	191.94	204.42	212.82	209.73	203.60	197.20
7	187.15	181.41	178.43	175.62	180.70	185.04	192.13	204.90	212.90	209.48	203.55	196.50
8	187.13	181.30	178.22	175.80	181.13	185.05	192.50	205.22	212.97	209.58	203.50	196.20
9	186.82	181.00	178.21	175.97	181.40	185.42	192.71	205.47	212.88	209.44	203.31	196.02
10	186.57	180.90	177.45	176.22	181.36	185.53	193.10	205.85	213.08	209.34	202.80	195.87
11	186.52	180.90	178.00	176.33	181.67	185.28	193.33	206.11	213.22	209.23	202.49	195.53
12	186.39	180.98	178.00	176.70	181.80	.....	193.50	206.45	213.32	208.98	202.47	195.21
13	185.87	180.93	177.60	.....	181.80	185.78	193.60	206.79	213.36	208.92	202.41	194.82
14	185.83	180.30	177.30	.....	182.00	185.90	193.60	207.07	.....	208.81	202.23	194.45
15	185.06	180.27	177.64	177.73	182.14	186.20	193.79	207.58	.....	208.63	201.94	194.86
16	185.03	180.30	177.80	177.93	182.50	186.02	194.20	207.99	212.99	208.40	201.35	194.85
17	184.92	180.24	177.43	178.15	182.60	186.15	194.57	208.53	212.92	207.98	201.60	194.40
18	184.88	180.21	177.13	.....	182.70	186.85	195.20	209.05	212.85	207.80	201.60	194.47
19	184.62	179.85	177.05	178.32	182.75	186.81	196.18	209.53	212.50	207.72	201.23	194.50
20	184.35	179.54	176.80	.....	183.30	186.26	196.20	209.94	212.59	207.52	201.17	194.48
21	184.01	179.50	176.26	.....	183.30	186.50	196.42	210.80	212.63	207.31	200.82	194.05
22	183.62	179.50	176.25	178.79	183.33	186.68	196.85	211.32	212.71	207.20	200.54	192.61
23	183.56	179.60	176.20	178.91	183.66	186.95	197.50	211.60	212.65	206.70	200.40	192.96
24	183.26	179.60	176.30	178.81	183.70	187.20	197.95	211.70	212.58	206.33	200.45	193.35
25	183.28	179.58	176.56	179.65	184.60	187.55	198.43	212.00	212.61	206.30	200.30	193.51
26	183.35	179.20	175.90	179.88	184.60	187.88	198.98	212.18	212.43	205.77	200.00	193.50
27	183.38	.....	.....	180.00	184.35	.....	199.47	212.43	212.05	205.64	199.58	192.42
28	183.11	.....	175.52	180.15	184.38	188.86	199.70	212.65	211.74	205.34	199.45	192.40
29	182.97		175.38	180.40	184.35	188.95	200.91	212.86	211.50	204.88	199.46	193.66
30	.....		175.75	180.50	184.51	189.38	201.67	213.14	211.16	204.60	199.47	193.68
31	182.93		175.80		184.61		.....	213.32		204.52		193.29

Ml 45. Milwaukee Journal. NW¼NE¼ sec. 29, T. 7 N., R. 22 E. Drilled unused artesian well in Niagara dolomite, diameter 8 to 5 inches, reported depth 1,410 feet, cased to 1,068, plugged 1,015. Land-surface datum is 591 feet above msl. Highest water level 43.08 below lsd, Apr. 22, 1953; lowest 154.93 below lsd, July 29, 1949. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	50.02	48.72	48.07	50.85	48.00	52.12	54.12	55.83	57.24	55.38	50.12	49.25
2	49.11	48.20	47.37	51.26	49.89	53.45	54.12	56.12	57.08	.....	50.11	48.85
3	53.09	47.49	47.20	49.40	50.00	53.45	52.60	56.13	56.82	55.13	50.00	48.71
4	53.49	48.16	47.97	50.36	50.50	53.50	50.65	56.68	55.50	55.36	50.00	48.41
5	53.52	47.87	48.18	50.50	51.18	51.50	53.72	56.70	52.90	55.46	49.80	48.50
6	53.60	47.50	47.75	50.79	50.45	53.78	53.99	56.50	56.21	56.27	49.55	48.41
7	50.70	48.00	47.69	51.09	50.26	54.06	54.58	54.80	56.66	56.27	49.58	48.11
8	52.25	47.80	47.39	51.15	48.50	54.07	54.62	56.28	56.98	56.31	49.60	48.13
9	50.00	48.05	47.00	51.69	49.46	54.15	55.88	56.56	56.85	54.80	49.52	48.18
10	50.50	47.71	48.97	50.00	49.80	54.07	53.93	56.58	56.92	55.33	49.23	48.17
11	49.15	48.46	50.33	51.20	50.09	53.56	56.22	56.95	55.45	55.39	49.33	48.17
12	50.54	49.27	51.05	51.10	50.60	51.30	56.67	56.99	55.42	55.36	49.49	48.10
13	51.53	48.84	49.00	51.00	50.30	52.30	56.50	56.79	55.80	55.66	49.47	47.87
14	50.40	48.73	50.54	51.60	50.43	52.00	56.86	54.70	55.70	55.00	49.40	47.80
15	51.64	48.50	51.30	51.18	48.40	51.67	56.70	56.45	56.46	54.29	49.30	47.75
16	49.85	47.68	50.83	51.62	50.06	52.00	56.61	56.70	56.57	53.00	49.10	47.75
17	49.09	47.41	50.89	49.70	50.00	52.00	54.30	56.70	56.68	54.08	49.44	47.55
18	48.80	48.21	50.70	50.50	50.00	52.12	56.81	57.21	54.95	53.88	49.44	47.70
19	49.13	48.17	50.71	51.33	50.73	50.10	57.21	57.18	56.50	54.33	49.20	47.75
20	51.80	47.81	48.70	51.70	50.65	52.30	57.09	57.01	56.75	55.24	49.18	47.78
21	52.08	48.39	49.70	51.92	50.60	52.52	57.56	55.00	56.60	54.55	48.94	47.59
22	52.16	48.30	48.00	50.75	48.50	52.73	57.44	56.84	57.10	54.15	48.80	47.30
23	50.40	47.90	46.00	50.11	46.99	53.26	57.18	57.19	57.09	52.65	48.82	47.10
24	48.77	47.50	47.22	47.90	47.09	53.26	54.90	57.08	56.90	50.68	48.94	47.21
25	51.72	48.01	48.10	49.32	46.91	53.30	56.50	57.48	55.00	52.89	48.85	47.55
26	50.40	48.00	48.10	49.73	50.16	51.30	56.10	57.43	55.75	54.01	48.70	47.54
27	48.54	47.50	46.20	49.61	50.65	53.18	56.17	56.65	55.63	54.83	48.48	47.44
28	48.90	47.80	48.81	49.85	50.81	53.37	56.31	54.50	55.61	54.57	48.98	47.44
29	48.89		49.80	49.91	49.00	53.80	56.20	.....	55.95	52.75	49.24	47.44
30	48.65		49.60	50.06	46.40	54.10	56.07	.....	55.92	50.70	49.25	47.45
31	.....		50.21		50.98		54.20	56.82		50.28		47.18

Ml 56. National Enameling & Stamping Co. North Tenth St. and West St. Paul Ave. Milwaukee. SE¼SE¼ sec. 30, T. 7 N., R. 22 E. Drilled unused artesian well in sandstone, diameter 14 to 8 inches, reported depth 2,100 feet. Land-surface datum is 589 feet above msl. Highest water level 70.93 below lsd, Apr. 4, 1950; lowest 118.64 below lsd, Aug. 31, 1955. Records available: 1946-55. Mar. 2, 94.74; Aug. 31, 118.64; Nov. 7, 105.41.

Ml 79. Forest Home Cemetery. SW¼NW¼ sec. 7, T. 6 N., R. 22 E. Drilled unused artesian well in sandstone of Cambrian age, diameter 6 inches, reported depth 1,605 feet, cased to 200. Land-surface datum is 663 feet above msl. Highest water level 153.24 below lsd, May 19, 1947; lowest 230.38 below lsd, Aug. 2, 1951. Records available: 1946-55. Mar. 2, 201.09; Apr. 27, 209.19; Aug. 30, 219.12; Nov. 7, 219.55.

Ml 88. Red Star Yeast. NW¼SW¼ sec. 25, T. 6 N., R. 22 E. Drilled industrial artesian well in sandstone and limestone, reported depth 1,312 feet. Land-surface datum is 686 feet above msl. Highest water level 113.85 below lsd, June 3, 1947; lowest 161.15 below lsd, Dec. 4, 1951. Records available: 1946-55. Feb. 1, 144.33; Mar. 30, 151.57; Aug. 30, 155.39.

Ml 91. Village of Greendale. NE¼NE¼ sec. 34, T. 6 N., R. 21 E. Drilled public-supply artesian well in sandstone, diameter 16 to 12 inches, reported depth 1,855 feet, cased to 487. Land-surface datum is 760 feet above msl. Highest water level 200.17 below lsd, June 6, 1946; lowest 252.46 below lsd, Nov. 7, 1955. Records available: 1946-55. Feb. 23, 242.10; Apr. 12, 240.07; June 28, 245.16; Aug. 30, 246.90; Nov. 7, 252.46.

Ml 94. Milwaukee County. Whitnall Park. NE¼SE¼ sec. 32, T. 6 N., R. 21 E. Drilled public-supply artesian well in sandstone, diameter 20 to 10 inches, reported depth 1,845 feet, cased to 525. Land-surface datum is 773 feet above msl. Highest water level 199.97 below lsd, July 10, 1946; lowest 249.01 below lsd, Nov. 7, 1955. Records available: 1946-55. Feb. 23, 239.14; Apr. 12, 237.27; June 28, 240.70; Aug. 30, 242.74; Nov. 7, 249.01.

Ml 95. Allis Chalmers Mfg. Co. SE¼SW¼ sec. 24, T. 5 N., R. 22 E. Drilled unused artesian well in Mount Simon, Eau Claire, and St. Peter sandstones, diameter 8 inches, reported depth 1,622 feet. Land-surface datum is 656 feet above msl. Highest water level 116.16 below lsd, May 5, 1952; lowest 124.42 below lsd, Mar. 11, 1954. Records available: 1952-55. Mar. 1, 121.84; Apr. 27, 120.43; June 29, 119.80; Aug. 30, 121.85; Nov. 7, 122.38.

MI 118. A. Schaefer. 5465 North 51st St., Milwaukee. NE¼NW¼ sec. 35, T. 8 N., R. 21 E. Drilled domestic water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 135 feet. Land-surface datum is 679.85 feet above msl. Highest water level 25.11 below lsd, Apr. 21, 1952; lowest 47.79 below lsd, June 13, 1946. Records available: 1946-55. Mar. 31, 42.08; June 28, 43.28; Nov. 1, 47.02.

MI 120. Nunn-Bush Shoe Co. North 5th and Hadley Sts., Milwaukee. SE¼NW¼ sec. 17, T. 7 N., R. 22 E. Drilled unused artesian well in Niagara dolomite, diameter 10 inches, reported depth 400 feet, cased to 104. Land-surface datum is 685 feet above msl. Highest water level 81.82 below lsd, May 20, 1946; lowest 102.85 below lsd, Oct. 3, 1955. Records available: 1946-49, 1951-55. Mar. 2, 98.50; Apr. 27, 98.32; June 27, 100.79; Oct. 3, 102.85.

MI 121. Propulsion Engine Corp. Formerly Milwaukee Equipment Co. 311 Marion St., Milwaukee. NW¼NW¼ sec. 13, T. 5 N., R. 22 E. Drilled unused well in Niagara dolomite, diameter 8 inches, depth 268 feet. Land-surface datum is 644 feet above msl. Highest water level 56.46 below lsd, Aug. 9, 1946; lowest 67.25 below lsd, Dec. 19, 1955. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	65.70	65.93	65.46	65.80	65.86	65.69	65.24	65.45	65.64	.....	66.07	66.94
2	66.21	66.45	65.89	65.64	65.68	65.66	65.44	65.38	65.63	.....	66.17	66.43
3	65.95	66.70	65.76	65.77	65.58	65.54	65.52	65.27	65.57	.....	66.38	66.49
4	66.02	66.10	65.76	65.92	65.50	65.33	65.47	65.33	65.49	65.85	66.44	66.46
5	65.72	66.10	65.83	65.71	65.70	65.20	65.36	65.36	65.61	65.64	66.20	66.65
6	66.12	65.84	65.84	65.65	65.61	65.07	65.24	65.28	65.50	65.50	66.07	66.59
7	66.13	65.91	65.90	65.87	65.57	65.02	65.13	65.44	65.62	65.83	66.20	66.29
8	65.81	65.80	65.73	65.84	65.80	65.15	65.05	65.47	65.65	66.04	66.32	66.58
9	65.95	65.57	65.42	65.83	65.81	65.31	65.29	65.36	65.50	65.95	66.25	66.89
10	66.04	65.87	65.40	65.77	65.71	65.29	65.44	65.37	65.68	65.92	65.76	66.99
11	66.50	65.92	65.49	65.60	65.72	65.11	65.52	65.43	65.75	65.82	66.04	66.97
12	65.80	66.34	65.80	65.50	65.70	65.29	65.58	65.40	65.82	65.59	66.27	66.96
13	65.96	66.36	65.99	65.47	65.73	65.39	65.48	65.39	65.85	65.59	66.40	66.78
14	65.88	65.90	65.88	65.50	65.78	65.61	65.29	65.28	65.52	65.63	66.50	66.70
15	65.70	65.82	65.69	65.68	65.81	65.62	64.98	65.32	65.58	65.68	66.10	66.73
16	65.94	66.05	66.07	65.70	65.76	65.61	65.19	65.23	65.60	65.69	66.14	66.71
17	66.22	66.16	66.07	65.86	65.77	65.60	65.30	65.20	65.69	65.60	66.73	66.58
18	66.27	66.04	65.82	65.64	65.58	65.58	65.39	65.27	65.70	65.93	66.74	66.99
19	66.37	65.76	65.80	65.52	65.45	65.41	65.48	65.29	65.52	66.00	66.65	67.25
20	66.38	65.71	65.87	65.36	65.47	65.37	65.48	65.16	65.62	66.16	66.59	67.20
21	65.80	65.91	65.31	65.35	65.48	65.36	65.38	65.15	65.62	66.33	66.52	66.95
22	66.60	65.96	65.49	65.38	65.22	65.37	65.25	65.36	65.72	66.30	66.24	66.47
23	65.75	66.14	65.65	65.33	65.22	65.39	65.20	65.43	65.68	65.92	66.78	66.18
24	65.77	66.24	65.83	65.10	65.40	65.46	65.25	65.43	65.99	66.14	66.85	66.50
25	65.96	66.22	65.80	65.33	65.48	65.52	65.21	65.38	66.13	65.97	66.69	66.98
26	66.17	65.76	65.92	65.71	65.40	.....	65.23	65.39	66.01	65.87	66.63	67.05
27	66.23	65.70	66.00	65.64	65.15	.....	65.35	65.29	65.72	65.82	66.25	66.93
28	65.94	65.64	65.97	65.70	65.19	.....	65.38	65.28	65.83	65.61	66.23	66.88
29	65.97		66.02	66.09	65.31	.....	65.33	.....	65.63	65.45	66.75	67.07
30	66.21		66.02	66.07	65.49	65.32	65.30	65.32	66.07	65.85	66.98	67.02
31	.....		65.87		65.63		65.42	65.54		65.80		66.55

MI 125. Good Hope Cemetery. South 43d St. and West Cold Spring Rd. SE¼NE¼ sec. 23, T. 6 N., R. 21 E. Drilled unused artesian well in sandstone and limestone, diameter 12 inches, reported depth 700 feet. Land-surface datum is 770 feet above msl. Highest water level 105.34 below lsd, Nov. 30, 1946; lowest 153.67 below lsd, Apr. 27, 1953. Records available: 1946-55. Mar. 2, 129.02; Apr. 27, 130.38; Aug. 30, 150.01; Nov. 7, 132.10.

MI 130. Milwaukee County. Greenfield Park. NW¼NW¼ sec. 6, T. 6 N., R. 21 E. Drilled public-supply well in limestone, diameter 10 inches, reported depth 500 feet. Land-surface datum is 788 feet above msl. Highest water level 55.52 below lsd, June 3, 1947; lowest 64.39 below lsd, Sept. 2, 1953. Records available: 1946-55. Mar. 2, 60.08; Apr. 28, 59.69; June 28, 63.10; Aug. 30, 64.33; Nov. 23, 62.95.

MI 132. White Manor Water Cooperative. 52d and West Dakota Sts. SE¼SW¼ sec. 11, T. 6 N., R. 21 E. Drilled unused artesian well in sandstone and limestone, diameter 12 to 8 to 6 inches, reported depth 1,115 feet. Land-surface datum is 730 feet above msl. Highest water level 190.96 below lsd, June 5, 1947; lowest 258.28 below lsd, Oct. 15-16, 1955. Records available: 1946-55.

Mi 132--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	232.30	230.70	228.80	228.57	230.73	233.95	235.65	240.03	247.72	256.08	254.54	252.88
2	231.99	231.28	228.85	228.25	230.47	233.90	235.70	240.89	247.85	255.84	254.48	252.69
3	231.80	231.73	228.83	228.22	230.06	233.93	235.70	242.35	247.85	255.12	254.68	252.84
4	230.70	231.73	229.12	227.66	230.42	234.33	235.49	243.57	247.50	254.90	254.75	252.83
5	230.31	231.60	229.36	226.95	231.19	234.52	234.92	244.40	247.38	254.59	254.50	252.77
6	230.36	231.63	229.36	226.13	231.57	234.51	233.78	244.72	247.20	255.27	253.82	252.50
7	230.30	231.58	229.15	226.24	232.28	234.58	233.10	245.23	246.64	256.43	253.61	251.64
8	230.50	231.20	228.73	227.00	232.84	234.90	232.53	245.20	246.87	257.21	252.88	251.37
9	231.03	231.17	228.45	227.20	232.86	235.31	232.41	244.90	247.47	257.38	252.33	251.63
10	231.03	231.47	228.46	227.18	232.80	235.35	232.23	244.42	248.80	257.38	251.88	251.87
11	230.83	231.76	228.67	226.87	233.10	235.20	232.00	244.38	249.85	256.88	252.15	251.91
12	230.65	232.30	229.10	226.01	233.29	235.15	231.60	244.37	250.54	257.10	252.47	251.80
13	231.13	232.30	229.23	226.03	233.54	234.98	231.85	243.90	250.69	257.57	252.53	251.57
14	231.15	231.93	229.06	227.00	233.83	234.42	232.00	243.65	250.90	257.86	252.55	251.15
15	231.43	231.45	228.32	227.65	233.80	234.39	232.42	243.08	251.56	258.28	252.18	251.26
16	231.42	231.54	228.60	228.30	233.66	234.65	232.92	243.05	252.55	258.28	251.97	251.67
17	231.15	231.65	228.50	228.79	233.51	235.03	233.13	242.98	253.05	257.89	252.95	251.62
18	230.93	231.64	229.26	228.74	233.63	235.44	233.61	243.33	254.13	256.78	253.37	252.14
19	230.97	231.55	229.27	228.54	233.93	235.59	234.38	244.00	254.16	256.80	253.68	252.59
20	230.87	231.37	229.34	228.41	234.30	235.76	235.07	244.44	254.50	256.75	253.74	252.59
21	230.33	231.12	228.98	228.70	234.80	236.22	235.11	244.45	254.80	257.05	253.52	253.13
22	230.49	230.72	228.57	228.91	234.71	236.79	236.10	244.70	255.20	256.95	253.12	251.52
23	230.46	230.57	228.74	229.10	234.41	236.95	236.18	245.20	255.83	256.74	253.15	250.81
24	230.30	230.59	229.00	228.88	234.34	236.85	236.37	245.58	256.45	256.20	253.60	251.13
25	230.15	229.88	229.00	229.05	234.57	238.05	236.45	246.10	256.54	255.75	253.62	251.98
26	230.28	230.05	229.20	229.15	234.47	236.90	237.00	247.03	256.33	255.15	253.32	252.25
27	230.27	229.82	229.29	229.45	234.20	236.79	237.56	247.12	255.66	255.15	253.07	252.00
28	230.54	229.63	229.05	229.85	234.44	236.40	238.93	247.24	255.42	255.02	253.06	251.33
29	230.95		228.52	230.34	234.75	236.30	238.73	247.17	255.42	254.68	252.67	250.56
30	231.20		228.49	230.74	234.69	236.17	239.56	247.31	255.93	254.69	252.87	250.83
31	230.91		228.56		234.34		239.86	247.62		254.73		250.90

Mi 135. Leonard Budzein. 920 West Armour Ave., Town of Lake. NE¼SW¼ sec. 20, T. 6 N., R. 22 E. Dug irrigation water-table well in sand, reported depth 20 feet, cased to 20. Land-surface datum is 667 feet above msl. Highest water level 6.54 below lsd, Apr. 7, 1948; lowest 12.06 below lsd, Dec. 27, 1946. Records available: 1946-55. Mar. 30, 8.98; June 29, 8.07; Aug. 30, 10.22; Nov. 7, 11.02.

Mi 146. Stanley Larsen. 9090 Lake Dr., Milwaukee. SE¼SW¼ sec. 4, T. 8 N., R. 22 E. Drilled unused artesian well in limestone, diameter 5 inches, depth 110 feet. Land-surface datum is 680 feet above msl. Highest water level 58.70 below lsd, June 20, 1946; lowest 76.25 below lsd, Sept. 1, 1953. Records available: 1946-55. Feb. 23, 66.68; Apr. 12, 66.98; June 28, 70.16; Nov. 11, 72.25.

Mi 148. Milwaukee County. NE¼SE¼ sec. 32, T. 6 N., R. 21 E. Drilled unused water-table well in limestone, diameter 5 inches, depth 180 feet. Land-surface datum is 774 feet above msl. Highest water level 25.44 below lsd, May 3, 1951; lowest 34.28 below lsd, Jan. 11, 1950. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30.57	29.96	29.64	29.47	28.88	28.75	28.38	29.50	30.43	31.30	31.85	32.35
2	30.82	30.25	29.83	29.41	28.78	28.67	28.51	29.44	30.37	31.23	31.83	32.11
3	30.65	30.31	29.63	29.50	28.80	28.65	28.61	29.42	30.35	31.20	31.87	32.15
4	30.54	30.27	29.65	29.58	28.75	28.47	28.56	29.53	30.30	31.05	31.90	32.26
5	30.30	29.84	29.65	29.40	28.84	28.49	28.55	29.57	30.41	30.99	31.71	32.34
6	30.40	29.95	29.62	29.51	28.89	28.50	28.56	29.53	30.38	31.00	31.74	32.24
7	30.35	30.00	29.65	29.65	28.84	28.56	28.55	29.64	30.45	31.27	31.84	32.19
8	29.95	29.96	29.50	29.60	29.05	28.63	28.58	29.66	30.47	31.36	31.91	32.40
9	29.96	29.99	29.44	29.57	29.01	28.73	28.76	29.62	30.38	31.27	31.81	32.52
10	29.97	30.18	29.42	29.54	28.93	28.69	28.87	29.63	30.63	31.31	31.55	32.50
11	29.86	30.20	29.61	29.44	28.91	28.45	28.88	29.73	30.70	31.22	31.90	32.42
12	29.53	30.44	29.75	29.47	28.89	28.43	28.89	29.71	30.70	31.23	32.07	32.37
13	29.75	30.40	29.82	29.43	28.85	28.37	28.85	29.78	30.72	31.25	32.03	32.30
14	29.66	30.06	29.65	29.55	28.95	28.30	28.72	29.75	30.60	31.30	32.08	32.34
15	29.65	30.19	29.04	29.67	28.95	28.30	28.78	29.78	30.63	31.36	31.85	32.40

MI 148--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	29.75	30.34	29.72	29.59	28.92	28.19	28.94	29.83	30.69	31.36	31.89	32.39
17	29.90	30.40	29.72	29.70	29.03	28.14	29.07	29.84	30.78	31.31	32.30	32.40
18	29.90	30.27	29.55	29.55	28.91	28.07	29.13	29.94	30.78	31.54	32.28	32.65
19	29.88	30.13	29.52	29.54	28.89	28.01	29.18	29.97	30.69	31.56	32.08	32.75
20	29.84	30.17	29.62	29.42	29.05	28.04	29.16	29.89	30.83	31.55	32.07	32.62
21	29.43	30.20	29.30	29.43	29.04	28.11	29.10	29.97	30.83	31.70	32.00	32.39
22	29.69	30.13	29.61	29.50	28.91	28.10	29.08	30.12	30.90	31.66	31.87	32.16
23	29.75	30.09	29.61	29.44	29.03	28.13	29.13	30.18	30.90	31.37	32.28	32.21
24	29.74	30.03	29.72	29.21	28.99	28.21	29.15	30.12	31.07	31.63	32.36	32.64
25	29.94	30.01	29.65	29.45	29.03	28.24	29.18	30.08	31.14	31.57	32.20	32.86
26	30.06	29.76	29.58	29.44	28.86	28.30	29.24	30.12	31.07	31.50	32.10	32.80
27	30.06	29.70	29.16	29.20	28.57	28.36	29.36	30.10	30.86	31.47	32.02	32.69
28	30.85	29.66	29.56	29.05	28.59	28.39	29.35	30.16	31.03	31.44	33.00	32.57
29	30.90		29.55	29.20	28.64	28.27	29.34	30.13	30.90	31.48	32.44	32.82
30	30.05		29.55	29.13	28.73	28.30	29.37	30.28	31.25	31.74	32.46	32.84
31	29.94		29.45		28.80		29.46	30.37		31.75		32.39

MI 230. E. Runge. 4723 West Villard Ave., Milwaukee. SE¼NE¼ sec. 35, T. 8 N., R. 21 E. Drilled unused well, diameter 6 inches, depth 83 feet. Highest water level 5.45 below lsd, Apr. 21, 1952; lowest 25.29 below lsd, Nov. 1, 1955. Records available: 1949-55. Feb. 23, 20.95; Apr. 12, 20.82; June 28, 21.82; Nov. 1, 25.29.

MI 231. R. J. Cerletty. 8900 North 76th St., Milwaukee. SW¼SW¼ sec. 3, T. 8 N., R. 21 E. Drilled domestic artesian well in limestone, diameter 6 inches, depth 80 feet, cased to 58. Land-surface datum is 695 feet above msl. Highest water level 8.86 below lsd, Apr. 21, 1952; lowest 12.97 below lsd, Nov. 2, 1953. Records available: 1949-55. Feb. 23, 9.97; Apr. 12, 9.45; June 28, 9.08; Nov. 1, 12.46.

MI 232. Milwaukee House of Correction. NW¼SW¼ sec. 22, T. 5 N., R. 21 E. Drilled industrial artesian well in sandstone, diameter 22 to 16 inches, reported depth 1,842 feet, cased to 640. Land-surface datum is 761 feet above msl. Highest water level 177.5 below lsd, May 4, 1950; lowest 210.00 below lsd, Sept. 22, 1953. Records available: 1950-54. No measurement made in 1955.

MI 289. Milwaukee County. NE¼SE¼ sec. 23, T. 6 N., R. 22 E. Drilled domestic well in Niagara dolomite, reported depth 205 feet. Land-surface datum is 657 feet above msl. Highest water level 73.15 below lsd, Nov. 7, 1955; lowest 78.44 below lsd, Mar. 11, 1954. Records available: 1952-55. Feb. 23, 75.23; Apr. 12, 74.94; June 29, 74.53; Aug. 30, 74.76; Nov. 7, 73.15. Measurement discontinued.

Monroe County

Mo 1. Nicholas Moran. SW¼SW¼ sec. 1, T. 17 N., R. 1 W. Drilled stock water-table well in sand, diameter 6 inches, reported depth 12 feet. Highest water level 1.39 below lsd, Mar. 28, 1952; lowest 5.72 below lsd, Sept. 29, 1949. Records available: 1947-55. Jan. 12, 3.69; Mar. 28, 3.46; June 23, 3.78; Sept. 13, 5.06; Nov. 30, 4.28.

Mo 2. Joseph Anderson. SE¼SE¼ sec. 34, T. 15 N., R. 4 W. Drilled unused well in sandstone, diameter 5 inches, depth 44 feet. Land-surface datum is 1,100 feet above msl. Highest water level 5.06 below lsd, June 26, 1952; lowest 15.83 below lsd, Mar. 11, 1940. Records available: 1934-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	8.84	Apr. 25	8.05	July 28	8.07	Oct. 26	9.44
Feb. 25	8.94	May 26	8.00	Aug. 27	8.06	Nov. 25	10.00
Mar. 27	8.16	June 29	7.52	Sept. 25	8.05	Dec. 26	10.70

Mo 10. Lester Cooley. NW¼NW¼ sec. 5, T. 15 N., R. 3 W. Drilled unused water-table well in sand, diameter 7 inches, depth 17 feet, cased to 17. Land-surface datum is 880 feet above msl. Highest water level 1.80 below lsd, Apr. 27, 1951; lowest 11.09 below lsd, Aug. 27, 1949. Records available: 1934-55.

Jan. 28	8.9	Apr. 28	5.90	July 28	5.80	Oct. 28	8.05
Feb. 27	9.13	May 27	6.20	Aug. 27	6.63	Nov. 29	8.79
Mar. 28	9.37	June 27	4.80	Sept. 28	7.72	Dec. 28	9.95

Mo 11. John Sullivan. SW¼NW¼ sec. 27, T. 16 N., R. 3 W. Drilled unused water-table well in sandstone, diameter 7 inches, depth 11 feet. Land-surface datum is 925 feet above msl. Highest water level 3.90 below lsd, June 29, 1947; lowest 7.53 below lsd, June 7, 1950. Records available: 1934-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	6.55	Apr. 29	6.55	July 29	6.70	Oct. 29	6.60
Feb. 28	6.75	May 29	6.30	Aug. 29	7.10	Nov. 29	7.15
Mar. 29	6.65	June 29	6.65	Sept. 29	6.80	Dec. 29	7.25

Mo 12. Robert S. Olson. SE¼SE¼ sec. 32, T. 16 N., R. 4 W. Drilled unused water-table well in sandstone, diameter 6 inches, depth 31 feet, cased to 31. Land-surface datum is 1,020 feet above msl. Highest water level 26.61 below lsd, Apr. 21, 1953; lowest 28.03 below lsd, Feb. 5, 1941. Records available: 1934-55. Jan. 12, 26.92; Mar. 28, 26.95; June 23, 26.76; Sept. 13, 26.79; Nov. 30, 26.92.

Mo 13. Walter Parks. SE¼NW¼ sec. 3, T. 16 N., R. 4 W. Drilled unused water-table well in sand, diameter 8 inches, depth 13 feet, cased to 13. Land-surface datum is 780 feet above msl. Highest water level 6.77 below lsd, May 22, 1945; lowest 11.20 below lsd, Mar. 6, 1954. Records available: 1934-55. Jan. 12, 10.95; Mar. 28, 11.07; June 23, 10.35; Sept. 13, 10.64; Nov. 30, 10.90.

Mo 17. U. S. Army, Camp McCoy. NW¼SW¼ sec. 29, T. 18 N., R. 2 W. Drilled unused artesian well in sandstone, diameter 9 inches, depth 192 feet, cased to 109. Highest water level 1.78 below lsd, July 1, 1952; lowest 5.60 below lsd, Mar. 13, 1954. Records available: 1949-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	3.90	4.15	4.41	3.67	3.80	3.65	4.28	....	4.40	5.29	4.88
2	....	4.02	4.18	4.28	3.77	3.77	3.27	4.30	....	4.43	5.30	4.95
3	....	3.95	4.15	4.30	3.71	3.15	3.23	4.20	....	4.49	5.31	4.97
4	....	3.92	4.27	4.30	3.69	3.42	3.35	4.31	....	4.49	5.32	5.12
5	....	3.95	4.25	4.24	3.70	3.31	3.38	4.35	....	4.50	5.22	5.13
6	....	4.00	4.30	4.25	3.70	....	3.47	4.32	....	4.58	5.34	5.10
7	....	4.00	4.28	4.07	3.73	....	3.57	4.34	....	4.63	5.43	5.27
8	....	3.99	4.30	4.10	3.79	....	3.60	4.23	....	4.65	....	5.29
9	....	4.05	4.34	4.07	3.66	....	3.56	4.28	....	4.64	....	5.27
10	....	4.05	4.34	4.01	3.80	....	3.51	4.40	....	4.67	....	5.15
11	....	4.08	4.37	4.00	3.71	....	3.17	4.48	....	4.61	....	5.23
12	3.67	4.10	4.43	4.09	3.75	....	3.33	4.54	....	4.69	....	5.28
13	3.69	4.08	4.40	4.00	3.82	....	3.35	4.52	4.13	4.77	....	5.28
14	3.62	4.17	4.40	3.86	3.84	....	3.43	4.50	4.09	4.80	....	4.83
15	3.65	4.13	4.45	3.84	3.80	....	3.63	4.60	4.08	4.82	....	4.88
16	3.73	4.18	4.44	3.93	3.87	....	3.65	4.70	4.15	4.83	....	4.95
17	3.77	4.18	4.40	3.90	3.87	....	3.66	4.70	4.18	4.88	....	5.09
18	3.87	3.91	4.46	3.85	3.84	....	3.76	4.76	4.21	4.90	....	5.15
19	3.84	3.95	4.47	3.85	3.95	....	3.76	4.79	4.32	4.92	....	5.15
20	3.84	4.00	4.47	3.85	3.96	....	3.96	4.84	4.30	4.98	....	4.83
21	3.74	4.15	4.43	3.84	4.05	....	4.01	3.48	4.30	5.00	....	4.81
22	3.85	4.15	4.53	3.84	4.00	....	4.05	3.58	4.24	5.01	....	4.90
23	3.58	4.20	....	3.80	4.11	3.53	4.02	3.13	4.21	5.03	....	4.94
24	3.65	4.25	....	3.73	4.07	3.57	4.03	3.13	4.17	5.11	....	5.14
25	3.75	4.25	....	3.85	4.11	3.61	4.01	3.18	4.20	5.10	....	5.13
26	3.78	3.95	....	3.77	4.02	3.64	4.00	3.20	4.21	5.09	....	5.15
27	3.78	4.00	....	3.74	3.92	3.59	4.09	3.26	4.28	5.13	....	5.18
28	3.75	4.00	4.66	3.79	3.65	3.63	4.13	3.20	4.26	5.13	....	5.30
29	3.84		4.65	3.77	3.81	3.60	4.10	3.29	4.32	5.14	....	5.36
30	3.85		4.50	3.71	3.79	3.65	4.13	....	4.40	5.20	4.82	5.36
31	3.83		4.41		3.77		4.18	....		5.25		5.43

Oconto County

Oc 1. Oconto Utilities. NW¼NW¼ sec. 19, T. 28 N., R. 22 E. Drilled unused artesian well in sandstone, diameter 6 inches. Land-surface datum is 591 feet above msl. Highest water level flowing, July 10, 1951; lowest 17.25 below lsd, Aug. 22, 1946. Records available: 1946-55. Jan. 20, 0.60; June 20, 2.63; Aug. 31, 8.77; Oct. 26, 0.21.

Oneida County

On 22. Wisconsin Valley Improvement Co. SE¼NW¼ sec. 18, T. 39 N., R. 8 E. Jetted unused water-table well in gravel, diameter 6 inches, depth 27 feet. Land-surface datum is 1,607 feet above msl. Highest water level 13.04 below lsd, Dec. 20, 1951; lowest 19.29 below lsd, Apr. 9, 1949. Records available: 1944-55.

On 22--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	16.40	.....	15.89	15.07	14.77	15.05	15.34	.....	15.88	16.06
2	.....	.....	16.40	.....	15.82	15.05	14.80	15.04	15.34	.....	15.89	16.02
3	.....	.....	16.39	.....	15.80	15.04	14.81	15.02	.....	15.67	15.89	16.03
4	15.54	.....	16.42	.....	15.74	15.01	14.80	15.00	.....	15.68	15.89	16.01
5	15.55	.....	.....	16.90	15.70	15.00	14.79	15.01	15.38	15.68	15.89	16.03
6	15.58	.....	.....	16.90	15.69	14.99	14.78	15.01	15.38	15.68	15.88	16.03
7	.....	.....	.....	16.90	15.59	14.99	14.75	15.01	15.40	15.70	15.92	16.01
8	.....	15.94	.....	16.89	15.59	14.99	14.74	15.01	15.40	15.71	15.92	16.05
9	.....	15.98	.....	16.87	15.58	14.97	14.77	15.00	15.40	15.70	15.92	16.05
10	.....	.....	.....	16.87	15.51	14.95	.....	14.99	15.42	15.71	15.90	16.05
11	.....	.....	.....	16.85	15.49	14.91	14.79	15.01	15.44	15.70	15.96	16.05
12	.....	.....	.....	16.83	15.45	14.88	14.80	15.01	15.46	15.69	.....	16.05
13	.....	.....	.....	16.81	15.43	.....	14.80	15.02	15.46	15.71	.....	16.04
14	.....	.....	.....	16.76	15.43	14.85	14.79	15.02	15.47	15.72	15.99	16.03
15	.....	16.08	16.62	16.74	15.41	14.85	14.81	15.07	15.49	15.72	15.98	16.05
16	.....	16.17	.....	16.70	15.39	14.83	14.84	15.09	15.49	15.73	15.93	16.05
17	.....	.....	.....	16.66	15.38	14.82	14.86	15.11	15.52	15.74	.....	.....
18	.....	.....	.....	16.62	15.33	14.80	14.91	15.15	.....	15.75	.....	.....
19	.....	.....	.....	16.52	15.30	14.78	14.93	15.17	.....	15.76	.....	.....
20	.....	.....	.....	16.43	15.30	14.77	14.94	15.17	.....	15.78	.....	.....
21	.....	.....	.....	16.41	15.28	14.77	14.95	.....	.....	15.80	16.02	.....
22	.....	.....	16.73	16.37	15.25	14.77	14.97	15.24	15.50	15.80	16.02	16.02
23	.....	.....	.....	16.32	15.22	14.77	15.00	15.25	15.50	15.77	16.04	16.03
24	.....	.....	.....	16.25	15.21	14.78	15.01	15.25	15.52	.....	16.06	16.08
25	.....	.....	.....	16.21	15.21	14.78	15.01	15.28	.....	.....	16.06	.....
26	.....	16.31	.....	16.18	15.20	14.78	15.05	15.28	.....	.....	16.04	16.12
27	.....	.....	.....	16.11	15.15	14.78	15.07	.....	15.60	.....	16.02	16.12
28	.....	.....	.....	16.04	15.16	14.78	15.07	.....	15.62	.....	16.03	16.10
29	.....		.....	16.01	15.16	14.77	15.05	15.27	15.62	.....	16.06	16.12
30	.....		.....	15.97	15.16	14.76	15.03	15.28	15.64	.....	16.07	16.13
31	.....		.....		15.10		15.04	15.32		15.86		.....

On 23. U. S. Geol. Survey. NE¼NE¼ sec. 27, T. 37 N., R. 6 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 37 feet, cased to 37, well point. Land-surface datum is 1,529 feet above msl. Highest water level 27.31 below lsd, Aug. 18, 1952; lowest 32.96 below lsd, July 25, 1949. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	29.52	Apr. 13	30.03	July 13	29.15	Oct. 6	29.26
19	29.57	20	29.88	20	29.16	12	29.33
29	29.68	27	29.70	27	29.15	19	29.37
Feb. 4	29.74	May 5	29.55	Aug. 3	29.12	26	29.41
9	29.74	11	29.50	10	29.05	Nov. 2	29.45
16	29.76	18	29.40	17	29.00	9	29.44
23	29.84	27	29.34	24	29.01	17	29.54
Mar. 2	29.87	June 1	29.30	31	29.04	29	29.59
9	29.88	8	29.28	Sept. 7	29.06	Dec. 6	29.61
17	29.85	15	29.25	14	29.08	13	29.64
23	29.89	22	29.22	21	29.06	20	29.69
30	30.03	29	29.25	28	29.10	27	29.74
Apr. 6	29.88	July 6	29.16				

On 24. U. S. Geol. Survey. NE¼NE¼ sec. 9, T. 36 N., R. 9 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 33 feet, cased to 33, well point. Highest water level 18.89 below lsd, Aug. 29, 1951; lowest 22.20 below lsd, Mar. 20, 1949. Records available: 1944-55.

Jan. 3	20.85	Apr. 1	21.17	July 7	20.62	Oct. 7	20.97
12	20.80	7	21.02	15	20.65	14	20.99
20	20.40	15	20.92	22	20.75	21	20.90
26	20.93	20	20.84	26	20.66	28	21.05
Feb. 4	21.04	27	20.77	Aug. 5	20.78	Nov. 11	21.00
9	21.04	May 5	20.70	11	20.65	19	20.42
17	21.13	27	20.69	24	20.65	26	20.44
24	21.15	June 1	20.66	Sept. 2	20.70	Dec. 3	21.15
Mar. 1	21.18	10	20.60	9	20.75	9	21.16
8	21.24	15	20.62	16	20.82	17	21.13
17	21.28	24	20.57	23	20.87	29	21.2
24	21.20	30	20.60	30	20.93		

Outagamie County

Ou 2. City of Kaukauna. Kaukauna Water & Electric Co. SW¼SW¼ sec. 24, T. 21 N., R. 18 E. Drilled unused artesian well in St. Peter sandstone, diameter 12 inches, reported depth 798 feet, cased to 100. Land-surface datum is 645 feet above msl. Highest water level 6.44 below lsd, Apr. 7, 1947; lowest 49.10 below lsd, Sept. 25, 1953. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	18.99	19.33	.....	22.07	.....	.....	.....	32.49	21.99	.....
2	.....	.....	18.99	18.66	.....	22.48	.....	.....	.....	30.65	21.20	.....
3	.....	.....	19.19	16.50	.....	23.01	.....	36.92	.....	.....	20.97	.....
4	.....	.....	19.12	17.42	21.00	23.77	.....	36.75	.....	.....	20.65	.....
5	21.92	.....	20.12	18.00	20.76	23.15	.....	36.33	.....	.....	18.80	.....
6	22.40	.....	.....	18.37	20.76	22.71	.....	37.13	35.00	.....	17.40	.....
7	21.70	.....	.....	18.70	20.03	23.28	.....	36.47	36.10	.....	17.47	15.98
8	20.61	.....	.....	19.16	21.45	23.19	.....	34.90	36.24	.....	17.42	15.90
9	18.90	.....	20.00	18.98	.....	23.63	.....	33.51	35.98	.....	17.96	16.71
10	.....	.....	19.80	16.31	.....	24.08	.....	.....	35.50	30.61	18.09	.....
11	.....	.....	20.51	16.03	20.62	23.69	.....	.....	33.90	30.73	18.50	.....
12	.....	.....	20.02	17.00	20.80	22.45	.....	.....	34.19	30.28	17.54	.....
13	.....	.....	18.40	17.21	21.51	.....	.....	.....	34.23	29.68	.....	.....
14	.....	.....	18.52	17.80	20.70	23.60	.....	.....	33.60	29.50	.....	.....
15	.....	.....	.....	18.21	18.91	24.83	.....	.....	35.60	28.30	.....	.....
16	.....	.....	.....	17.50	.....	25.65	.....	.....	35.99	.....	.....	.....
17	.....	.....	.....	.....	.....	27.31	.....	.....	35.91	.....	.....	.....
18	.....	.....	.....	.....	.....	26.94	.....	.....	36.98	27.78	17.69	.....
19	19.16	.....	.....	17.72	21.61	25.60	.....	.....	36.02	28.45	17.66	.....
20	17.10	.....	.....	18.07	22.23	25.68	.....	.....	35.90	27.90	15.73	.....
21	17.80	.....	.....	18.40	22.60	.....	.....	.....	35.56	25.73	15.70	.....
22	18.00	17.00	.....	19.61	22.10	.....	.....	.....	35.53	25.06	15.40	14.83
23	17.40	18.60	.....	18.93	21.15	.....	.....	.....	35.12	24.53	15.21	14.55
24	16.33	19.22	.....	.....	.....	.....	.....	.....	34.00	23.84	.....	14.34
25	15.80	19.20	.....	.....	.....	.....	.....	.....	32.00	22.66	.....	13.14
26	16.73	18.71	.....	18.85	.....	.....	.....	.....	31.88	.....	.....	12.16
27	.....	17.85	.....	19.31	22.30	.....	.....	.....	.....	24.47	.....	13.50
28	.....	.....	.....	19.50	21.80	.....	.....	.....	33.95	24.74	.....	13.75
29	.....		18.52	20.62	20.10	.....	.....	.....	33.41	23.37	.....	.....
30	.....		19.30	20.35	18.70	.....	.....	.....	33.35	21.45	.....	15.08
31	.....		19.31		21.03		.....	.....		21.09		.....

Ou 3. Vanden Huefel. SE¼NE¼ sec. 2, T. 23 N., R. 18 E. Drilled stock artesian well in sandstone, diameter 5 inches, depth 110 feet. Highest water level 22.80 below lsd, May 23, 1948; lowest 42.32 below lsd, Jan. 7, 1954. Records available: 1947-55. Mar. 16, 39.60; Oct. 24, 29.84.

Ou 5. Kaukauna Water & Electric Co. SW¼SE¼ sec. 4, T. 21 N., R. 19 E. Drilled domestic artesian well in sandstone and limestone, diameter 6 inches, reported depth 408 feet, cased to 68. Land-surface datum is 660 feet above msl. Highest water level 18.27 below lsd, Mar. 29, 1948; lowest 38.24 below lsd, Oct. 24, 1955. Records available: 1947-55. Jan. 19, 33.34; Mar. 14, 32.29; June 19, 38.18; Aug. 30, 37.87; Oct. 24, 38.24.

Ou 19. Wisconsin Michigan Power Co. NE¼NW¼ sec. 35, T. 21 N., R. 17 E. Drilled unused artesian well in sandstone, diameter 24 to 8 inches, reported depth 450 feet, cased to 54. Land-surface datum is 728 feet above msl. Highest water level 27.98 below lsd, Apr. 9, 1953; lowest 44.71 below lsd, Sept. 1, 1955. Records available: 1951-55. Mar. 16, 29.35; June 21, 42.85; Sept. 1, 44.71; Oct. 24, 37.72.

Ou 24. Appleton Coated Paper Co. NW¼NW¼ sec. 25, T. 21 N., R. 17 E. Drilled unused artesian well in sandstone, diameter 16 to 12 inches, reported depth 501 feet, cased to 245. Land-surface datum is 763 feet above msl. Highest water level 66.58 below lsd, Apr. 9, 1953; lowest 81.25 below lsd, Oct. 24, 1955. Records available: 1951-55. Mar. 16, 70.74; Oct. 24, 81.25.

Ou 29. Highland Memorial Park. NW¼SE¼ sec. 15, T. 21 N., R. 17 E. Drilled irrigation artesian well in sandstone, reported depth 300 feet. Land-surface datum is 839 feet above msl. Highest water level 54.84 below lsd, Nov. 24, 1955; lowest 61.11 below lsd, June 21, 1955. Records available: 1951-55. Mar. 16, 57.10; June 21, 61.11; Sept. 1, 57.70; Oct. 24, 54.84.

Ou 41. Peter Loderbauer. NW¼SW¼ sec. 31, T. 21 N., R. 19 E. Drilled domestic stock artesian well in sandstone and limestone, diameter 6 inches, reported depth 581 feet, cased to 141. Land-surface datum is 735 feet above msl. Highest water level 71.76 below lsd, June 25, 1952; lowest 77.14 below lsd, Sept. 4, 1953. Records available: 1952-54. Measurement discontinued.

Ou 59. Richard Lamers. NW¼NE¼ sec. 17, T. 21 N., R. 19 E. Drilled domestic stock water-table well in Galena dolomite, diameter 4 inches, reported depth 96 feet. Land-surface datum is 673 feet above msl. Highest water level 69.31 below lsd, July 30, 1954; lowest 73.22 below lsd, Jan. 25, 1955. Records available: 1952-55. Jan. 25, 73.22; Apr. 27, 72.40. Measurement discontinued.

Ou 65. Mark Kerkhoff. SW¼NW¼ sec. 18, T. 22 N., R. 19 E. Drilled domestic stock well in Galena dolomite, diameter 6 inches, reported depth 52 feet. Land-surface datum is 735 feet above msl. Highest water level 32.10 below lsd, Aug. 27, 1952; lowest 35.08 below lsd, Nov. 17, 1954. Records available: 1952-55. Apr. 27, 33.51. Measurement discontinued.

Ou 70. Orville Krabbe. SW¼NW¼ sec. 18, T. 22 N., R. 18 E. Drilled domestic stock artesian well in Galena dolomite, diameter 4 inches, depth 136 feet. Land-surface datum is 856 feet above msl. Highest water level 80.21 below lsd, May 26, 1953; lowest 84.01 below lsd, Sept. 22, 1954. Records available: 1952-54. Measurement discontinued.

Ou 82. American Telephone & Telegraph Co. SE¼NE¼ sec. 2, T. 21 N., R. 15 E. Drilled domestic irrigation artesian well in sandstone of Cambrian age, diameter 4 inches, reported depth 134 feet. Land-surface datum is 845 feet above msl. Highest water level 40.65 below lsd, May 26, 1953; lowest 46.34 below lsd, Mar. 4, 1954. Records available: 1952-54. Measurement discontinued.

Ou 87. Peter Williamson. NW¼NE¼ sec. 19, T. 22 N., R. 17 E. Drilled domestic stock artesian well in sandstone of Cambrian age, diameter 6 inches, reported depth 96 feet. Land-surface datum is 796 feet above msl. Highest water level 3.86 below lsd, Mar. 23, 1953; lowest 14.95 below lsd, Jan. 7, 1954. Records available: 1952-55. Jan. 26, 7.13; Apr. 27, 5.24. Measurement discontinued.

Ou 95. John Ross. NE¼NW¼ sec. 20, T. 22 N., R. 16 E. Drilled unused water-table well in sand and gravel, diameter 6 inches, reported depth 112 feet, cased to 111. Land-surface datum is 777 feet above msl. Highest water level 6.36 below lsd, Apr. 26, 1955; lowest 10.24 below lsd, Jan. 8, 1954. Records available: 1952-55. Jan. 25, 8.05; Apr. 26, 6.36.

Ou 125. Immaculate Conception Mission. SE¼NE¼ sec. 30, T. 23 N., R. 19 E. Drilled domestic artesian well in St. Peter sandstone, diameter 6 inches, reported depth 122 feet, cased to 66. Land-surface datum is 729 feet above msl. Highest water level 31.97 below lsd, Apr. 27, 1955; lowest 38.67 below lsd, Oct. 24, 1955. Records available: 1953-55. Jan. 26, 33.43; Apr. 27, 31.97; Sept. 29, 36.40; Oct. 24, 38.67.

Ou 169. Outagamie Producers Cooperative. SE¼SE¼ sec. 8, T. 23 N., R. 17 E. Drilled unused water-table well in sand and gravel, diameter 8 inches, depth 163 feet, cased to 143. Land-surface datum is 781 feet above msl. Highest water level 9.22 below lsd, Apr. 27, 1955; lowest 16.99 below lsd, Sept. 29, 1955. Records available: 1953-55. Jan. 26, 11.31; Apr. 27, 9.22; Sept. 29, 16.99; Oct. 24, 16.83.

Ou 170. Nichols Paper Products. NE¼SW¼ sec. 8, T. 24 N., R. 17 E. Drilled unused artesian well in sandstone of Cambrian age, diameter 6 inches, reported depth 131 feet, cased to 78. Land-surface datum is 798 feet above msl. Highest water level 4.84 below lsd, Apr. 26, 1955; lowest 9.82 below lsd, Mar. 4, 1954. Records available: 1953-55. Apr. 26, 4.84; Sept. 29, 7.88; Oct. 24, 8.26.

Ou 203. Mrs. Warren Barclay. NW¼NW¼ sec. 8, T. 23 N., R. 18 E. Drilled unused artesian well in St. Peter sandstone, diameter 4 inches, depth 95 feet, cased to 15. Land-surface datum is 864 feet above msl. Highest water level 31.59 below lsd, Apr. 27, 1955; lowest 58.37 below lsd, Mar. 4, 1954. Records available: 1953-55. Jan. 26, 50.8; Apr. 27, 31.59. Measurement discontinued.

Ou 217. George Gomm. SW¼SW¼ sec. 27, T. 24 N., R. 16 E. Drilled unused water-table well in sand, diameter 3 inches, depth 45 feet. Land-surface datum is 775 feet above msl. Highest water level 4.85 below lsd, Apr. 26, 1955; lowest 7.94 below lsd, Sept. 4, 1953. Records available: 1953-55. Jan. 25, 6.56; Apr. 26, 4.85. Measurement discontinued.

Portage County

Pt 1. Newton and Emery Bade. SE¼SW¼ sec. 27, T. 24 N., R. 6 E. Drilled unused water-table well in sand, diameter 6 inches, depth 36 feet. Highest water level 12.00 below lsd, Nov. 10, 1954; lowest 20.17 below lsd, Mar. 3, 1954. Records available: 1950-55. Jan. 11, 14.57. Measurement discontinued.

Pt 14. N. Weisbrot. NE¼NW¼E½ sec. 31, T. 24 N., R. 9 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 13 feet. Highest water level 5.72 below lsd, July 20, 1950; lowest 10.33 below lsd, Jan. 12, 1955. Records available: 1950, 1953-55. Jan. 12, 10.33. Measurement discontinued.

Pt 15. Lawrence Krogwold. NE¼SW¼ sec. 28, T. 24 N., R. 10 E. Driven unused water-table well in sand, diameter 2 inches, depth 53 feet. Highest water level 33.50 below lsd, July 10, 1952; lowest 36.55 below lsd, Mar. 29, 1951. Records available: 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	34.91	Mar. 16	35.22	July 9	34.87	Oct. 17	35.34
12	34.96	24	35.04	15	34.84	27	35.41
19	35.00	May 12	34.88	22	34.90	Nov. 7	35.43
27	35.03	20	34.90	28	34.94	16	35.45
Feb. 4	35.08	26	34.92	Aug. 16	35.00	25	35.47
10	35.10	June 2	34.93	26	35.10	Dec. 2	35.50
18	35.14	10	34.87	Sept. 10	35.18	10	35.54
25	35.19	16	34.87	25	35.24	21	35.61
Mar. 4	35.22	24	34.85	Oct. 6	35.28	31	35.65
11	35.22	30	34.85				

Pt 16. Lawrence Krogwold. Amherst Junction. NW¼SW¼ sec. 27, T. 23 N., R. 10 E. Driven domestic water-table well in gravel of Pleistocene age. Highest water level 21.79 below lsd, Aug. 28, 1952; lowest 33.42 below lsd, Mar. 2, 1954. Records available: 1950-55. Jan. 12, 30.72. Measurement discontinued.

Pt 17. Joe Fabich. Plover. SE¼NW¼ sec. 7, T. 22 N., R. 9 E. Driven irrigation water-table well in gravel, diameter 6 inches, depth 32 feet, cased to 23. Land-surface datum is 1,097.5 feet above msl. Highest water level 9.00 below lsd, May 20, 1952; lowest 12.21 below lsd, Mar. 7, 1951. Records available: 1950-55. Jan. 12, 9.54. Measurement discontinued.

Pt 18. J. Woyak. Amherst Junction. SW¼NW¼ sec. 7, T. 23 N., R. 10 E. Drilled unused water-table well in deposits of Pleistocene age, diameter 12 inches, depth 79 feet, steel casing. Land-surface datum is 1,114 feet above msl. Highest water level 20.32 below lsd, July 26, 1950; lowest 23.02 below lsd, Mar. 6, 1951. Records available: 1950-55. Jan. 12, 21.16. Measurement discontinued.

Pt 19. E. Perzinski. NW¼SW¼ sec. 20, T. 23 N., R. 9 E. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 14 inches, reported depth 101 feet, cased to 76. Highest water level 52 below lsd, May 20, 1952; lowest 57.55 below lsd, May 6, 1954. Records available: 1950-55. Jan. 12, 54.89. Measurement discontinued.

Pt 20. G. Laskowski. Plover. SE¼NE¼ sec. 7, T. 22 N., R. 9 E. Drilled unused water-table well in alluvium of Pleistocene age, diameter 6 inches, depth 67 feet. Highest water level 12.70 below lsd, Nov. 11, 1954; lowest 37.56 below lsd, Sept. 1, 1954. Records available: 1950-55. Jan. 12, 20.36. Measurement discontinued.

Pt 22. C. Peterson. SW¼SE¼ sec. 1, T. 22 N., R. 10 E. Drilled irrigation water-table well in outwash gravel of Pleistocene age, diameter 6 inches, depth 28 feet, cased to 20. Highest water level 7.30 below lsd, May 22, 1952; lowest 11.25 below lsd, Nov. 30, 1950. Records available: 1950-55. Jan. 12, 8.40; Mar. 16, 7.87; May 4, 7.72; Aug. 5, 10.10; Oct. 14, 10.11.

Pt 28. J. Burns. SW¼SW¼ sec. 15, T. 21 N., R. 9 E. Drilled irrigation water-table well in gravel, diameter 12 inches, reported depth 112 feet, cased to 92, screen 92-112. Highest water level 74.04 below lsd, May 22, 1952; lowest 76.70 below lsd, Aug. 30, 1954. Records available: 1950-55. Jan. 12, 75.71. Measurement discontinued.

Pt 30. U. S. Geol. Survey. SE¼NW¼ sec. 1, T. 22 N., R. 8 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 23 feet, cased to 23, well point. Highest water level 7.77 below lsd, July 8, 1945, July 14, 1946; lowest 14.61 below lsd, Jan. 8, 1951. Records available: 1944-55. Jan. 12, 10.92; Mar. 17, 11.48; May 5, 11.07; Aug. 5, 11.59; Oct. 14, 12.61.

Pt 34. U. S. Geol. Survey. SE¼NE¼ sec. 34, T. 23 N., R. 7 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 22 feet, cased to 20, well point. Highest water level 14.46 below lsd, July 22, 29, 1951, May 11, 1952; lowest 18.80 below lsd, Apr. 11, 18, 1954. Records available: 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	15.41	Mar. 27	16.50	June 19	15.80	Sept. 19	16.87
9	15.56	Apr. 3	16.50	26	15.80	25	16.91
16	15.75	10	16.47	July 3	15.78	Oct. 2	17.01
23	15.84	17	16.41	7	16.30	9	17.04
30	15.97	24	16.27	10	15.88	16	17.20
Feb. 6	15.99	May 1	16.17	17	16.05	23	17.25
13	16.15	8	16.07	31	16.28	Nov. 6	17.40
20	16.20	15	15.99	Aug. 14	16.40	30	17.30
27	16.30	22	15.93	21	16.47	Dec. 4	17.55
Mar. 6	16.50	29	15.90	28	16.60	11	17.51
13	16.45	June 5	15.83	Sept. 4	16.70	18	17.64
20	17.42	12	15.80	11	16.75	25	17.73

Pt 35. U. S. Geol. Survey. NW¼NW¼ sec. 35, T. 22 N., R. 7 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 12 feet, cased to 10, well point. Highest water level 0.99 below lsd, Apr. 9, 1951; lowest 5.95 below lsd, Dec. 1, 1952. Records available: 1950-55.

Jan. 4	4.60	Apr. 11	3.80	July 11	4.90	Oct. 10	5.30
10	4.80	18	3.50	18	5.00	17	5.30
17	4.60	24	3.50	25	5.10	24	5.37
24	4.60	May 2	4.20	Aug. 1	5.70	31	4.60
Feb. 1	4.85	9	4.40	8	4.90	Nov. 7	4.80
7	4.80	16	4.60	15	5.10	14	4.60
14	4.65	23	4.80	22	5.30	21	4.60
21	4.60	30	4.20	28	5.25	28	4.70
28	4.00	June 6	4.45	Sept. 5	5.30	Dec. 5	4.70
Mar. 7	4.05	13	4.20	10	5.40	12	4.90
14	3.60	20	4.60	26	5.40	19	4.90
28	4.50	27	4.85	Oct. 3	5.40	26	5.00
Apr. 4	3.50	July 5	4.80				

Pt 36. U. S. Geol. Survey. SE¼NE¼ sec. 10, T. 21 N., R. 8 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 12 feet, cased to 10, well point. Highest water level 1.48 below lsd, Apr. 14, 1951; lowest 6.82 below lsd, Aug. 16, 1952. Records available: 1950-55.

Jan. 1	4.85	Apr. 9	4.90	July 9	5.21	Oct. 9	6.24
8	4.99	16	4.25	16	5.40	15	6.16
15	5.12	23	4.15	23	5.54	22	6.15
22	5.23	30	4.28	30	5.62	29	6.04
29	5.33	May 7	4.48	Aug. 6	5.73	Nov. 5	5.54
Feb. 5	5.42	14	4.66	14	5.82	12	5.42
12	5.54	21	4.85	20	5.87	19	5.30
19	5.62	27	4.96	27	5.98	26	5.18
26	5.47	June 4	4.99	Sept. 3	6.05	Dec. 3	5.16
Mar. 5	5.40	11	4.63	10	6.10	10	5.30
12	5.23	18	4.71	17	6.14	17	5.5
19	5.20	25	5.00	24	6.19	24	5.52
26	5.31	July 2	5.07	Oct. 1	6.22	31	5.62
Apr. 2	4.82						

Pt 37. U. S. Geol. Survey. SE¼SE¼ sec. 25, T. 21 N., R. 8 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 17 feet, cased to 15, well point. Highest water level 6.20 below lsd, Apr. 1, 1952; lowest 11.65 below lsd, Mar. 3, 1954. Records available: 1950-55. Jan. 12, 9.28. Measurement discontinued.

Pt 40. U. S. Geol. Survey. NW¼SW¼ sec. 2, T. 24 N., R. 8 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 13 feet, cased to 11. Highest water level 3.66 below lsd, May 2, 1951; lowest 11.09 below lsd, Mar. 2, 1954. Records available: 1950-55. Jan. 12, 7.79; Mar. 17, 8.41; May 5, 6.10; Aug. 5, 7.60; Oct. 14, 9.22.

Pt 41. U. S. Geol. Survey. SW¼SW¼ sec. 35, T. 21 N., R. 7 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 12 feet, cased to 12. Highest water level 0.40 below lsd, Apr. 14, 1951; lowest 6.42 below lsd, Feb. 13, 1954. Records available: 1950-55.

Pt 41--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	2.99	Mar. 28	4.00	July 4	2.80	Oct. 10	5.50
10	3.24	Apr. 11	2.28	11	3.34	17	5.58
12	3.17	18	1.80	18	3.64	24	5.65
17	3.48	25	1.90	25	3.95	31	5.25
24	3.69	May 2	2.03	Aug. 1	3.80	Nov. 7	5.00
31	3.94	9	1.90	7	3.60	14	4.86
Feb. 7	4.18	16	2.40	15	4.00	21	4.64
14	4.32	23	2.95	22	4.34	28	4.58
21	4.31	30	2.00	28	4.57	Dec. 5	4.60
28	4.35	June 6	1.90	Sept. 5	4.75	12	4.73
Mar. 7	4.48	13	1.70	12	4.91	19	4.82
14	4.08	20	2.66	19	5.10	26	4.91
21	3.91	27	2.88	26	5.26		

Pt 42. U. S. Geol. Survey. NE¼NW¼W½ sec. 30, T. 23 N., R. 9 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 17 feet, cased to 15, well point. Highest water level 6.11 below lsd, Oct. 19, 1950; lowest 10.20 below lsd, Mar. 7, 1951. Records available: 1950-55. Jan. 12, 7.47. Measurement discontinued.

Pt 43. Alton Bowden. SE¼SW¼ sec. 29, T. 21 N., R. 9 E. Dug unused water-table well in outwash sand and gravel, diameter 30 inches by 4 feet, reported depth 40 feet. Highest water level 27.53 below lsd, Aug. 28, 1952; lowest 30.20 below lsd, Aug. 5, 1955. Records available: 1950-55. Jan. 12, 28.69; Mar. 16, 28.60; May 4, 28.66; Aug. 5, 30.20; Oct. 14, 29.31.

Pt 44. U. S. Geol. Survey. NW¼NW¼ sec. 27, T. 23 N., R. 8 E. Driven unused water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 17 feet, cased to 15, screen 15-17. Highest water level 9.15 below lsd, May 20, 1952; lowest 12.77 below lsd, Mar. 2, 1954. Records available: 1951-55. Jan. 12, 10.07. Measurement discontinued.

Pt 45. U. S. Geol. Survey. NW¼SW¼ sec. 2, T. 22 N., R. 7 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 12 feet, cased to 10, screen 10-12. Highest water level 1.54 below lsd, July 10, 1951; lowest 8.00 below lsd, Mar. 2, 1954. Records available: 1950-55. Jan. 12, 3.56. Measurement discontinued.

Pt 59. U. S. Geol. Survey. SW¼SW¼SW¼ sec. 31, T. 21 N., R. 7 E. Driven unused water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 15 feet. Highest water level 7.32 below lsd, Nov. 11, 1954; lowest 12.34 below lsd, Mar. 3, 1954. Records available: 1951-55. Jan. 12, 8.65. Measurement discontinued.

Pt 71. Bernard Stanke. Nelsonville. NE¼SW¼ sec. 5, T. 23 N., R. 10 E. Driven unused water-table well in deposits of Pleistocene age, diameter 1¼ inches, depth 25 feet. Highest water level 12.00 below lsd, Aug. 27, 1952; lowest 13.85 below lsd, Nov. 4, 1953. Records available: 1951-55. Jan. 12, 13.02. Measurement discontinued.

Pt 76. Fred Turner. Almond. SW¼NE¼ sec. 8, T. 21 N., R. 10 E. Dug domestic stock water-table well in sand and gravel, diameter 12 inches, depth 74 feet. Highest water level 63.48 below lsd, July 24, 1952; lowest 66.24 below lsd, Aug. 30, 1954. Records available: 1951-55. Jan. 12, 65.65; Mar. 16, 65.62; May 4, 65.27; Aug. 5, 65.71; Oct. 14, 66.03.

Pt 77. Portage County. SE¼NE¼ sec. 23, T. 24 N., R. 10 E. Drilled unused water-table well, diameter 4 inches, depth 108 feet. Highest water level 92.22 below lsd, July 7, 1953; lowest 94.60 below lsd, Feb. 25, 1953. Records available: 1951-55. Jan. 12, 94.50. Measurement discontinued.

Pt 79. U. S. Geol. Survey. SE¼NW¼ sec. 35, T. 21 N., R. 10 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 20 feet, cased to 20, well point. Highest water level 14.02 below lsd, May 22, 1952; lowest 16.23 below lsd, Aug. 30, 1954. Records available: 1951-55. Jan. 11, 15.85. Measurement discontinued.

Pt 80. U. S. Geol. Survey. NW¼NW¼ sec. 6, T. 22 N., R. 7 E. Driven unused water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 11 feet. Highest water level 5.16 below lsd, Nov. 11, 1954; lowest 9.38 below lsd, Mar. 2, 1954. Records available: 1951-55. Jan. 11, 6.27. Measurement discontinued.

Pt 82. Bordens Condensery. Junction City. NW¼SW¼ sec. 2, T. 24 N., R. 6 E. Drilled unused well in Precambrian granite, diameter 12 inches, reported depth 40 feet. Land-surface datum is 1,143 feet above msl. Highest water level 0.85 below lsd, Apr. 2, 1952; lowest 6.44 below lsd, Feb. 1, 1954. Records available: 1951-55. Recording gage removed Mar. 17, 1955.

Pt 82--Continued.

Daily lowest water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	3.55	Jan. 15	3.93	Jan. 29	4.10	Feb. 12	4.51
2	3.57	16	3.95	30	4.10	13	4.54
3	3.60	17	3.98	31	4.10	14	4.55
4	3.60	18	4.00	Feb. 1	4.23	15	4.57
5	3.60	19	4.05	2	4.23	16	4.60
6	4.91	20	4.05	3	4.23	17	4.60
7	4.55	21	4.05	4	4.23	18	4.60
8	4.32	22	4.05	5	4.24	19	4.58
9	4.15	23	4.07	6	4.25	20	4.28
10	4.10	24	4.08	7	4.26	Mar. 17	h3.02
11	4.05	25	4.08	8	4.27	May 5	h1.60
12	4.04	26	4.10	9	4.44	Aug. 5	h3.84
13	4.00	27	4.10	10	4.47	Oct. 14	h3.56
14	3.98	28	4.10	11	4.50		

h Tape measurement.

Price County

Pr 6. Wisconsin Conservation Department. NW¼SW¼ sec. 24, T. 40 N., R. 1 E. Jetted unused water-table well in sand and gravel, diameter 8 inches, reported depth 15 feet, cased to 15. Land-surface datum is 1,490 feet above msl. Highest water level 0.41 above lsd, June 29, 1946; lowest 5.67 below lsd, Oct. 31, 1948. Records available: 1937-55.

Jan. 1	2.50	Mar. 31	0.87	July 1	1.88	Oct. 1	2.43
8	2.67	Apr. 1	.87	9	1.12	8	1.90
15	2.78	9	.88	16	1.73	15	2.20
22	2.88	16	.54	23	2.15	22	2.49
29	3.00	23	.76	31	.88	29	2.57
31	3.00	30	1.07	Aug. 1	.88	31	2.14
Feb. 1	3.00	May 1	1.07	6	.45	Nov. 1	2.14
5	3.03	7	1.13	13	1.23	5	2.10
12	3.12	14	1.44	20	1.70	12	2.15
19	3.13	21	1.71	27	1.56	19	2.18
26	3.18	28	1.30	31	1.52	26	2.20
28	3.00	31	.98	Sept. 1	1.52	30	2.45
Mar. 1	3.00	June 1	.98	3	1.80	Dec. 1	2.45
5	3.06	4	1.11	10	2.27	10	2.68
12	2.16	11	.52	17	2.52	17	2.81
19	1.13	18	1.19	24	2.51	31	3.05
26	1.71	25	1.57	30	2.43		

Racine County

Ra 3. City of Burlington. NE¼NW¼ sec. 32, T. 3 N., R. 19 E. Drilled unused artesian well in sandstone and limestone, diameter 8 inches, reported depth 1,008 feet. Land-surface datum is 766 feet above msl. Highest water level 10.85 below lsd, Apr. 16, 1952; lowest 20.60 below lsd, Dec. 5, 1949. Records available: 1946-55. Feb. 24, 12.46; Apr. 13, 12.62; June 9, 11.95; Aug. 25, 12.82; Nov. 8, 13.34.

Ra 4. Pure Milk Association. NE¼NE¼ sec. 34, T. 3 N., R. 20 E. Drilled industrial well in limestone, diameter 6 inches, reported depth 200 feet. Land-surface datum is 824 feet above msl. Highest water level 41.46 below lsd, Aug. 20, 1952; lowest 51.17 below lsd, Apr. 3, 1950. Records available: 1946-55. Feb. 24, 43.80; June 28, 43.27; Aug. 25, 44.61; Nov. 8, 45.37.

Ra 5. Chicago, Milwaukee, St. Paul & Pacific RR. Co. SE¼SW¼ sec. 21, T. 3 N., R. 22 E. Drilled railroad artesian well in sandstone and limestone, diameter 12 inches, reported depth 1,810 feet, cased to 586, 976-1,083, plugged 1,176. Land-surface datum is 730 feet above msl. Highest water level 109.00 below lsd, July 29, 1946; lowest 142.60 below lsd, Aug. 24, 1955. Records available: 1946-55. Feb. 24, 139.98; Apr. 12, 139.97; June 29, 142.36; Aug. 24, 142.60; Nov. 8, 141.84.

Ra 8. Harold Wollmer. NW¼NW¼ sec. 10, T. 4 N., R. 21 E. Drilled domestic well, diameter 5 inches, reported depth 368 feet, cased to 136. Highest water level 63.18 below lsd, June 10, 1947; lowest 76.72 below lsd, Jan. 14, 1954. Records available: 1946-55. Feb. 22, 67.11; Apr. 12, 69.58; June 9, 68.90.

Ra 14. Kilbourn Club. SW¼SW¼ sec. 31, T. 4 N., R. 22 E. Drilled industrial artesian well in sandstone, diameter 10 to 8 inches, reported depth 1,025 feet, cased to 540. Highest water level 167.05 below lsd, Sept. 13, 1950; lowest 186.07 below lsd, June 29, 1955. Records available: 1950-55. Apr. 12, 185.37; June 29, 186.07; Aug. 30, 185.48; Nov. 7, 185.34.

Ra 23. Wisconsin Gas & Electric Co. Second and Lake Sts., Racine. NE¼SE¼ sec. 9, T. 3 N., R. 23 E. Drilled unused artesian well in sandstones of Cambrian and Ordovician age and in limestone of Ordovician and Silurian age, diameter 20 to 12 inches, reported depth 1,720 feet, cased to 70, liner through shale. Land-surface datum is 591 feet above msl. Highest water level 5.27 below lsd, Aug. 20, 1952; lowest 14.68 below lsd, Nov. 7, 1955. Records available: 1952-55. Feb. 23, 13.08; Apr. 12, 12.14; June 29, 13.78; Aug. 24, 13.22; Nov. 7, 14.68.

Richland County

Ri 5. Village of Cazenovia. SE¼SE¼ sec. 12, T. 12 N., R. 2 E. Drilled public-supply artesian well in sandstone of Cambrian age, diameter 10 inches, reported depth 305 feet, cased to 39. Highest water level 30.20 below lsd, Aug. 24, 1954; lowest 31.92 below lsd, Mar. 5, 1955. Records available: 1953-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	31.83	Apr. 1	31.82	July 6	31.83	Oct. 3	31.80
Feb. 2	31.83	May 3	31.83	Aug. 1	31.72	Nov. 1	31.83
Mar. 5	31.92	June 5	31.63	Sept. 3	31.83	Dec. 5	31.82

Rock County

Ro 3. School for the Blind. Janesville. SW¼NE¼ sec. 2, T. 2 N., R. 12 E. Drilled unused artesian well in sandstone, diameter 10 inches, reported depth 470 feet, cased to 113. Land-surface datum is 824 feet above msl. Highest water level 54.47 below lsd, Apr. 16, 1952; lowest 59.07 below lsd, Sept. 29, 1948. Records available: 1947-55. Feb. 24, 56.10; Apr. 13, 55.40; June 9, 55.80; Aug. 24, 56.43; Nov. 8, 56.30.

Ro 8. Village of Milton. SE¼SE¼ sec. 27, T. 4 N., R. 13 E. Drilled well in sandstone, diameter 12 inches, reported depth 725 feet, cased to 270. Highest water level 58.26 below lsd, Dec. 11, 1952; lowest 65.40 below lsd, Aug. 24, 1955. Records available: 1952-55. Feb. 24, 63.16; Apr. 13, 63.30; June 9, 62.82; Aug. 24, 65.40; Nov. 8, 64.35.

St. Croix County

SC 2. Casey Estate. SW¼NE¼ sec. 31, T. 28 N., R. 19 W. Drilled unused well, diameter 5 inches. Highest water level 46.44 below lsd, Oct. 17, 1947; lowest 52.89 below lsd, Apr. 19, 1951. Records available: 1947-55. Mar. 10, 49.05; May 10, 50.57; Sept. 14, 51.03; Dec. 1, 51.63.

Sauk County

Sk 1. Badger Ordnance Works. SW¼SE¼ sec. 3, T. 10 N., R. 6 E. Drilled unused artesian well in sandstone, diameter 16 inches, reported depth 435 feet, cased to 208. Land-surface datum is 917 feet above msl. Highest water level 58.45 below lsd, May 20, 1953; lowest 85.30 below lsd, May 11, 1951. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	60.66	60.80	60.76	60.95	60.57	60.41	60.37	60.74	60.82	60.91	60.63	61.13
2	60.59	61.04	60.89	60.92	60.46	60.42	60.47	60.72	60.84	60.93	60.77	60.91
3	60.57	61.13	60.77	60.94	60.43	60.30	60.55	60.64	60.75	60.93	60.84	60.90
4	60.53	60.57	60.92	60.98	60.42	60.23	60.55	60.67	60.74	60.80	60.91	60.90
5	60.72	60.72	60.99	60.87	60.42	60.18	60.51	60.69	60.77	60.74	60.70	60.96
6	60.52	60.80	60.97	60.90	60.38	60.14	60.48	60.62	60.74	60.57	60.79	60.91
7	60.43	60.80	60.98	61.02	60.28	60.14	60.42	60.72	60.77	60.71	60.85	60.84
8	60.68	60.72	60.85	60.97	60.45	60.20	60.41	60.72	60.79	60.81	60.75	61.03
9	60.68	60.71	60.75	60.94	60.40	60.24	60.52	60.67	60.67	60.74	60.52	61.15
10	60.65	60.82	60.72	60.92	60.37	60.22	60.59	60.67	60.76	60.74	60.74	61.20
11	60.51	60.89	60.82	60.82	60.37	60.14	60.54	60.74	60.85	60.66	60.84	61.18
12	60.50	61.02	60.97	60.77	60.32	60.22	60.69	60.74	60.88	60.60	60.93	61.17
13	60.52	61.00	61.05	60.77	60.31	60.26	60.67	60.74	60.83	60.60	60.93	61.05
14	60.52	60.80	60.99	60.79	60.37	60.37	60.56	60.71	60.73	60.62	60.75	61.02
15	60.65	60.74	60.94	60.78	60.39	60.44	60.49	60.71	60.75	60.65	60.75	61.06

Sk 1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	60.53	60.93	61.10	60.81	60.34	60.45	60.58	60.67	60.74	60.68	60.94	61.06
17	60.78	60.92	61.10	60.88	60.39	60.45	60.65	60.65	60.77	60.60	60.89	61.00
18	60.81	60.87	60.99	60.77	60.32	60.44	60.69	60.67	60.79	60.65	60.81	61.22
19	61.17	60.72	60.95	60.72	60.24	60.37	60.73	60.65	60.74	60.75	60.88	61.22
20	61.03	60.77	61.02	60.62	60.30	60.37	60.72	60.61	60.73	60.74	61.03	61.22
21	60.57	60.92	60.82	60.65	60.31	60.38	60.67	60.60	60.74	60.87	61.02	61.11
22	60.59	60.94	60.79	60.70	60.19	60.37	60.58	60.71	60.75	60.90	60.97	60.80
23	60.60	61.01	60.82	60.61	60.18	60.39	60.54	60.72	60.74	60.71	60.76	60.74
24	60.62	61.05	60.99	60.38	60.18	60.39	60.59	60.71	60.82	60.74	.....	61.03
25	60.72	61.02	61.01	60.58	60.29	60.44	60.57	60.70	60.97	60.77	.....	61.24
26	60.87	60.87	61.00	60.63	60.22	60.47	60.58	60.70	60.93	60.76	.....	61.26
27	60.88	60.84	61.07	60.54	60.12	60.53	60.64	60.64	60.71	60.63	.....	61.22
28	60.72	60.75	61.02	60.61	60.10	60.54	60.71	60.65	60.82	60.57	.....	61.15
29	60.74		61.04	60.70	60.22	60.45	60.68	60.57	60.67	60.47	.....	61.33
30	60.85		61.00	60.72	60.30	60.40	60.65	60.66	60.90	60.41	61.12	61.29
31	60.75		60.97		60.38		60.72	60.76		60.57		61.08

Sk 6. A. W. Rohn. Baraboo Iron Works. SE¼SW¼ sec. 1, T. 11 N., R. 6 E. Drilled unused artesian well in sandstone, diameter 5 to 4 inches, depth 318 feet, cased to 266. Land-surface datum is 819 feet above msl. Highest water level 5.79 above lsd, Jan. 3, 1953; lowest 0.94 below lsd, Mar. 7, 1953. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	+3.79	Apr. 9	+3.51	July 16	+3.37	Oct. 15	+3.33
15	3.58	16	3.81	23	3.34	22	3.47
22	3.56	23	3.96	29	2.90	29	3.49
29	3.51	30	3.97	Aug. 6	3.78	Nov. 5	3.53
Feb. 5	3.78	May 7	4.03	13	3.46	12	3.32
12	4.25	14	4.11	20	2.99	19	3.29
20	3.37	21	3.07	27	3.07	26	3.37
26	3.60	28	3.94	Sept. 3	4.77	Dec. 3	3.37
Mar. 5	3.73	June 4	3.24	10	3.18	10	3.06
11	3.91	18	3.90	17	3.22	17	3.37
19	3.62	25	3.61	25	3.36	24	3.34
26	3.65	July 2	3.41	Oct. 1	4.47	31	3.23
Apr. 2	3.86	9	3.61	8	3.23		

Sk 9. Wisconsin Creamery Co. NW¼SE¼ sec. 12, T. 9 N., R. 6 E. Drilled unused artesian well in sandstone, diameter 10 inches, reported depth 380 feet, cased to 160. Land-surface datum is 757 feet above msl. Highest water level 43.5 below lsd, June 7, 1950, July 20, 1951; lowest 52.3 below lsd, Oct. 24, 1952. Records available: 1950-52. Measurement discontinued.

Sk 11. Wilbur S. Grant. SW¼NE¼ sec. 15, T. 10 N., R. 6 E. Drilled domestic stock artesian well in sandstone, diameter 8 to 6 inches, reported depth 625 feet, cased to 390. Land-surface datum is 859 feet above msl. Highest water level 82.06 below lsd, July 2, 1953; lowest 89.58 below lsd, Apr. 20, 1951. Records available: 1948-55. Mar. 28, 85.00; June 23, 85.27; Sept. 15, 85.46.

Sk 12. Devils Lake State Park. NE¼SW¼ sec. 13, T. 11 N., R. 6 E. Drilled unused well, diameter 8 inches, depth 237 feet. Highest water level 123.36 below lsd, July 8, 1952; lowest 128.08 below lsd, June 7, 1950. Records available: 1948-52. No measurement made in 1955.

Sk 14. Devils Lake State Park. SW¼SE¼ sec. 24, T. 11 N., R. 6 E. Drilled public-supply water-table well in sand, diameter 6 to 4 inches, depth 277 feet. Land-surface datum is 979 feet above msl. Highest water level 104.89 below lsd, July 8, 1952; lowest 121.38 below lsd, Apr. 29, 1949. Records available: 1948-49, 1951-52. No measurement made in 1955.

Sawyer County

Sw 7. Wisconsin Conservation Department. NE¼SE¼ sec. 28, T. 41 N., R. 9 W. Dug water-table well in gravel, diameter 8 inches, depth 25 feet. Land-surface datum is 1,190 feet above msl. Highest water level 14.81 below lsd, May 8, 1954; lowest 17.31 below lsd, Oct. 23, 1948. Records available: 1937-55.

Sw 7--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	16.64	Apr. 9	16.35	July 9	16.26	Oct. 8	16.42
15	16.67	16	16.28	16	16.23	15	16.42
22	16.71	23	16.22	25	16.42	22	16.48
29	16.74	30	16.26	30	16.41	29	16.53
Feb. 5	16.75	May 7	16.34	Aug. 6	16.18	Nov. 5	16.52
12	16.77	14	16.45	13	16.06	14	16.55
19	16.78	21	16.55	20	16.16	19	16.57
26	16.80	28	16.61	27	16.20	26	16.57
Mar. 5	16.81	June 4	16.61	Sept. 3	16.27	Dec. 3	16.6
12	16.79	11	16.49	10	16.37	10	16.61
19	16.81	17	16.41	17	16.42	17	16.63
26	16.80	27	16.63	24	16.46	24	16.64
Apr. 2	16.40	July 5	16.37	Oct. 1	16.51	31	16.65

Shawano County

Sh 1. Harry Sievert. NW¼NW¼ sec. 30, T. 26 N., R. 18 E. Drilled unused well in limestone, diameter 6 inches, depth 132 feet. Land-surface datum is 917 feet above msl. Highest water level 53.47 below lsd, Dec. 6, 1951; lowest 63.59 below lsd, Oct. 25, 1955. Records available: 1947-55. Jan. 21, 58.86; Mar. 16, 58.98; June 20, 58.60; Sept. 1, 63.35; Oct. 25, 63.59.

Sh 2. Shawano District School. SE¼NE¼ sec. 2, T. 26 N., R. 16 E. Drilled unused water-table well in limestone, diameter 5 inches, depth 85 feet. Land-surface datum is 999 feet above msl. Highest water level 35.49 below lsd, June 13, 1952; lowest 53.84 below lsd, Feb. 9, 1950. Records available: 1947-55. Jan. 21, 51.90; Mar. 16, 50.85; June 20, 53.29; Sept. 1, 48.62; Oct. 25, 49.41.

Sh 3. George Martin. NE¼NW¼ sec. 2, T. 26 N., R. 16 E. Drilled unused water-table well in limestone, diameter 4 inches, depth 30 feet. Land-surface datum is 957 feet above msl. Highest water level 0.80 above lsd, Apr. 14, 1951; lowest 15.05 below lsd, Dec. 30, 1949. Records available: 1947-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.79	13.24	13.25	7.85	5.73	6.09	9.50	11.09	12.38	13.13	.....	.....
2	12.83	13.28	13.31	5.67	5.72	8.17	9.65	11.12	12.42	13.16	.....	.....
3	12.83	13.32	13.32	1.92	5.80	8.19	9.70	11.14	12.45	13.17	.....	.....
4	12.83	13.32	13.32	2.57	5.87	....	9.73	11.20	12.49	13.17	.....	.....
5	12.81	13.27	13.34	2.85	5.93	....	9.78	11.23	12.54	13.17	.....	.....
6	12.87	13.28	13.34	2.67	6.05	....	9.80	11.28	12.57	13.13	.....	.....
7	12.87	13.30	13.35	2.57	6.07	....	9.83	11.35	12.62	13.10	.....	.....
8	12.87	13.30	13.35	2.77	6.20	....	9.93	11.36	12.64	13.18	.....	.....
9	12.92	13.31	13.30	3.04	6.35	....	10.05	11.39	12.64	13.19	.....	.....
10	12.94	13.35	12.84	3.33	6.39	....	10.11	11.45	12.71	13.19	.....	.....
11	12.95	13.36	12.00	3.53	6.46	....	10.15	11.52	12.76	13.19	.....	.....
12	12.95	13.40	.....	3.77	6.53	....	10.14	11.57	12.79	13.19	.....	.....
13	12.97	13.40	.....	3.95	6.63	....	10.20	11.60	12.80	13.17	.....	.....
14	12.97	13.40	.....	4.10	6.75	....	10.20	11.67	12.83	13.19	.....	.....
15	12.97	13.38	.....	4.32	6.85	....	10.30	11.69	12.84	13.19	.....	.....
16	13.01	13.42	.....	4.43	6.90	....	10.38	11.75	12.86	13.21	.....	.....
17	13.05	13.43	4.84	4.70	7.03	....	10.45	11.80	12.90	13.21	.....	.....
18	13.05	13.43	5.25	4.79	7.07	....	10.52	11.86	12.93	13.22	.....	.....
19	13.08	13.43	5.52	4.89	7.10	....	10.57	11.86	12.94	13.23	.....	.....
20	13.08	13.41	5.88	4.96	7.23	8.90	10.60	11.92	12.98	13.25	.....	.....
21	13.04	13.34	6.03	5.02	7.34	8.97	10.63	12.00	12.98	13.27	.....	.....
22	13.02	13.27	6.13	5.15	7.41	9.02	10.68	12.06	13.01	13.29	.....	.....
23	13.05	13.26	6.56	5.26	7.46	9.06	10.75	12.10	13.02	13.29	.....	.....
24	13.08	13.30	6.86	5.32	7.51	9.15	10.78	12.12	13.04	13.29	.....	.....
25	13.11	13.30	7.08	5.33	7.57	9.22	10.83	12.16	13.09	13.29	.....	.....
26	13.13	13.27	7.27	5.43	7.70	9.29	10.90	12.18	13.00	.....	.....	.....
27	13.13	13.28	7.53	5.46	7.76	9.33	10.94	12.20	13.00	.....	.....	.....
28	13.13	13.28	7.69	5.49	7.76	9.34	10.96	12.24	13.07	.....	.....	.....
29	13.16		7.88	5.62	7.80	9.36	10.99	12.23	13.08	.....	.....	.....
30	13.20		7.99	5.69	7.90	9.42	11.04	12.27	13.10	.....	.....	.....
31	13.20		8.00		8.00		11.08	12.33		.....		.....

Sh 4. John Short. NE¼SW¼ sec. 28, T. 25 N., R. 17 E. Drilled unused water-table well in limestone, diameter 4 inches, reported depth 50 feet. Highest water level 3.66 below lsd, Apr. 10, 1952; lowest 8.68 below lsd, Feb. 7, 1951. Records available: 1947-55. Jan. 21, 6.60; Mar. 16, 6.17; June 21, 5.67; Sept. 1, 7.45; Oct. 25, 7.98.

Sh 5. Lew and Sylvester Jarosinski. SW¼NE¼ sec. 4, T. 25 N., R. 18 E. Drilled industrial well in limestone, diameter 6 inches, reported depth 99 feet. Highest water level 10.17 below lsd, Dec. 6, 1951; lowest 21.75 below lsd, Feb. 7, 1951. Records available: 1948-55. Jan. 21, 14.24; Mar. 16, 13.13; June 21, 13.54; Aug. 31, 16.59; Oct. 25, 18.52.

Trempealeau County

Tr 1. Mrs. William Davidson. SW¼SW¼ sec. 35, T. 19 N., R. 8 W. Drilled unused well in sandstone, diameter 6 inches. Highest water level 133.18 below lsd, Jan. 13, 1955; lowest 142.39 below lsd, Sept. 28, 1949. Records available: 1947-55. Jan. 13, 133.18; Mar. 10, 134.15; May 10, 135.80; July 12, 134.14; Sept. 14, 134.38; Dec. 1, 134.16.

Tr 4. Village of Eleva. NE¼NE¼ sec. 9, T. 24 N., R. 9 W. Drilled public-supply artesian well in Eau Claire sandstone, diameter 10 inches, reported depth 203 feet, cased to 108. Land-surface datum is 872 feet above msl. Highest water level 13.79 below lsd, Jan. 13, 1955; lowest 15.18 below lsd, Dec. 1, 1955. Records available: 1953-55. Jan. 13, 13.79; Dec. 1, 15.18.

Tr 9. Village of Centerville. SE¼SE¼ sec. 33, T. 19 N., R. 9 W. Drilled industrial water-table well in drift of Pleistocene age, diameter 6 inches, reported depth 71 feet, cased to 66, screen 66-71. Highest water level 50.51 below lsd, Jan. 13, 1955; lowest 51.53 below lsd, Dec. 1, 1955. Records available: 1953-55. Jan. 13, 50.51; Mar. 10, 50.78; May 10, 51.20; July 12, 51.48; Sept. 14, 51.46; Dec. 1, 51.53.

Vernon County

Ve 8. M. H. Willenberg. SW¼NE¼ sec. 26, T. 14 N., R. 7 W. Dug unused well, diameter 30 inches, depth 44 feet, cased to 44. Land-surface datum is 710 feet above msl. Highest water level 44.00 below lsd, Feb. 26, 1944; lowest 51.52 below lsd, Jan. 8, 1942. Records available: 1934-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 5	48.22	May 23	48.24	Aug. 24	48.50	Nov. 21	49.32
Mar. 28	48.26	June 25	48.18	Oct. 4	49.31	Dec. 21	49.33
Apr. 25	47.23	July 28	48.30	25	49.31		

Ve 9. Ferdinand Lenser. NW¼NE¼ sec. 14, T. 14 N., R. 7 W. Dug unused well in sandstone, diameter 48 to 30 inches, depth 52 feet, cased to 52. Land-surface datum is 940 feet above msl. Highest water level 45.47 below lsd, Aug. 10, 1954; lowest 49.39 below lsd, Apr. 8, 1942. Records available: 1934-55. Jan. 13, 45.97; Mar. 28, 46.21; June 23, 46.02; Sept. 13, 46.37; Nov. 30, 46.56.

Ve 14. Chris Benrud. NE¼NW¼ sec. 6, T. 14 N., R. 4 W. Drilled unused well, diameter 4 inches, depth 24 feet. Highest water level 6.30 below lsd, May 26, 1945; lowest 7.94 below lsd, Sept. 13, 1955. Records available: 1935-55. Jan. 12, 7.48; Mar. 28, 7.42; June 23, 7.47; Sept. 13, 7.94; Nov. 30, 7.70.

Vilas County

Vi 3. Wisconsin Conservation Department. NE¼NW¼ sec. 9, T. 41 N., R. 10 E. Driven unused water-table well in sand, diameter 2 inches, depth 20 feet. Land-surface datum is 1,658 feet above msl. Highest water level 9.01 below lsd, July 14, 1951; lowest 12.89 below lsd, Sept. 18, 1948. Records available: 1948-55.

Jan. 1	9.89	Apr. 9	10.32	July 9	11.51	Oct. 8	11.19
8	10.03	16	10.24	16	11.67	15	11.09
15	10.41	23	10.16	23	11.80	22	11.20
22	10.70	30	10.46	30	11.77	29	11.08
29	10.86	May 7	10.58	Aug. 6	11.24	Nov. 5	10.92
Feb. 5	10.86	14	10.80	13	11.48	12	10.88
12	10.85	21	11.05	20	11.44	19	10.88
19	10.84	28	11.02	27	11.56	26	10.77
26	10.91	June 4	11.25	Sept. 3	11.62	Dec. 3	10.71
Mar. 5	10.90	11	11.11	10	11.69	10	10.66
12	10.86	18	11.33	17	11.74	17	10.75
19	10.73	25	11.02	24	11.56	24	11.03
26	10.68	July 2	11.59	Oct. 1	11.29	31	11.10
Apr. 2	10.66						

Vi 21. U. S. Geol. Survey. NE¼NE¼ sec. 10, T. 40 N., R. 10 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 28 feet, cased to 28, well point. Highest water level 12.25 below lsd, May 31, 1954; lowest 16.86 below lsd, Mar. 21, 1949. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	12.97	Apr. 4	13.58	July 6	13.12	Oct. 4	13.65
10	13.06	13	13.25	12	13.18	10	13.68
17	13.14	18	13.11	18	13.22	17	13.73
24	13.19	28	12.91	25	13.27	25	13.79
Feb. 2	13.29	May 2	12.84	Aug. 1	13.24	Nov. 1	13.83
7	13.30	10	12.80	8	13.21	7	13.87
14	13.35	18	12.78	16	13.26	14	13.92
21	13.43	23	12.79	23	13.34	21	13.98
28	13.46	31	12.89	29	13.33	28	14.00
Mar. 7	13.52	June 8	12.90	Sept. 6	13.42	Dec. 5	14.06
14	13.55	13	12.92	12	13.48	12	14.11
21	13.55	20	12.98	20	13.55	21	14.15
28	13.65	27	13.07	26	13.59	29	14.23

Walworth County

Ww 1. Village of Genoa Junction. SE¼SE¼ sec. 35, T. 1 N., R. 18 E. Drilled domestic public-supply artesian well in sandstone, diameter 12 to 10 inches, reported depth 1,080 feet, cased to 690. Land-surface datum is 829 feet above msl. Highest water level 24.98 below lsd, May 12, 1948; lowest 32.15 below lsd, Aug. 24, 1955. Records available: 1946-55. Feb. 24, 28.04; Apr. 13, 27.80; June 9, 28.02; Aug. 24, 32.15; Nov. 8, 29.75.

Ww 4. United Milk Products. SE¼NE¼ sec. 33, T. 1 N., R. 15 E. Drilled unused artesian well in sandstone and limestone, diameter 6 inches, reported depth 626 feet, cased to 352. Land-surface datum is 997 feet above msl. Highest water level 42.22 below lsd, Apr. 16, 1952; lowest 58.79 below lsd, Dec. 5, 1949. Records available: 1946-55. Feb. 24, 52.11; Apr. 13, 50.56; June 9, 50.12; Aug. 24, 51.19; Nov. 8, 53.57.

Ww 9. Arthur and Roy Stewart. SW¼SW¼ sec. 33, T. 3 N., R. 15 E. Drilled stock well, diameter 6 inches, reported depth 287 feet, cased to 287. Highest water level 73.60 below lsd, Aug. 21, 1952; lowest 77.55 below lsd, Apr. 3, 1950. Records available: 1947-55. Feb. 24, 76.92; Apr. 13, 76.40; June 9, 76.73; Aug. 24, 76.52; Nov. 8, 76.69.

Ww 24. Walworth County Farm and Home. NW¼SE¼ sec. 4, T. 2 N., R. 17 E. Drilled public-supply well in sandstone of Cambrian age, diameter 18 to 12 inches, reported depth 1,702 feet, cased to 435. Highest water level 251.16 below lsd, Jan. 25, 1954; lowest 263.55 below lsd, Aug. 25, 1955. Records available: 1952-55. Feb. 24, 260.81; Apr. 13, 257.73; June 9, 258.73; Aug. 25, 263.55; Nov. 8, 253.12.

Washburn County

Wb 1. Wisconsin Conservation Department. NE¼SW¼ sec. 31, T. 39 N., R. 12 W. Driven unused water-table well in sand, diameter 1¼ inches, depth 18 feet. Land-surface datum is 1,065 feet above msl. Highest water level 2.83 below lsd, Aug. 10, 1953; lowest 6.20 below lsd, May 18, 1953. Records available: 1948-55.

Jan. 3	4.75	Apr. 4	4.32	July 5	3.72	Oct. 3	4.49
10	4.68	11	4.30	11	3.96	10	4.66
17	4.57	18	4.32	18	4.30	17	4.55
24	4.54	25	4.44	25	4.18	24	4.79
31	4.57	May 2	4.20	Aug. 1	3.63	31	4.72
Feb. 7	4.75	9	4.25	8	3.32	Nov. 7	4.66
14	4.77	16	4.51	15	3.73	14	4.71
21	4.75	23	4.74	22	3.71	21	4.66
28	4.67	31	4.31	29	3.36	28	4.95
Mar. 7	4.40	June 6	5.03	Sept. 6	3.32	Dec. 5	4.95
14	4.40	13	4.57	12	3.92	12	5.07
21	4.64	20	3.85	19	4.07	19	5.17
28	4.74	27	4.55	26	4.10	27	5.03

Washington County

Wn 2. City of Hartford. SE¼NE¼ sec. 20, T. 10 N., R. 18 E. Drilled unused artesian well in sandstone, diameter 16 inches, reported depth 600 feet. Land-surface datum is 980 feet above msl. Highest water level 29.41 below lsd, May 5, 1948; lowest 49.91 below lsd, Jan. 10, 1950. Records available: 1946-55.

Wn 2--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	41.40	40.10	36.90	36.07	33.35	37.93	39.68	38.15	41.50	.....	.....	.....
2	41.19	39.93	36.30	36.07	33.80	37.95	39.60	38.15	41.40	.....	.....	.....
3	40.60	39.60	36.39	35.58	34.40	38.02	39.00	37.78	41.31	.....	.....	.....
4	41.61	39.94	36.00	35.96	34.20	38.13	40.34	38.86	41.17	.....	.....	.....
5	41.34	39.50	36.05	35.85	35.35	37.50	40.42	38.86	40.92	.....	.....	.....
6	41.33	39.93	35.87	35.50	35.65	38.07	40.95	38.47	40.79	.....	.....	.....
7	40.66	39.60	35.20	36.25	36.06	38.43	41.03	38.62	40.45	.....	.....	.....
8	41.77	38.93	35.67	35.90	35.80	38.20	41.40	37.83	40.77	.....	.....	.....
9	41.84	38.20	35.30	36.00	36.30	38.21	41.97	37.15	40.76	.....	.....	.....
10	42.17	38.14	35.80	35.72	36.51	37.65	42.01	37.08	41.03	.....	.....	.....
11	42.24	37.50	35.50	35.79	37.17	38.12	42.00	38.80	40.86	.....	.....	.....
12	41.50	38.38	37.10	35.91	37.75	36.80	42.75	38.81	40.20	.....	.....	.....
13	41.50	38.30	36.93	36.10	37.21	37.55	42.50	38.82	40.73	.....	.....	.....
14	40.50	37.19	36.76	36.60	37.55	37.19	42.43	38.82	41.64	.....	.....	.....
15	41.21	37.39	36.77	36.59	37.71	36.96	42.43	37.02	41.62	.....	.....	.....
16	41.10	37.10	36.01	36.00	37.60	37.20	44.30	38.13	41.26	.....	.....	.....
17	40.72	36.93	36.36	34.91	37.70	36.20	44.38	38.77	41.91	.....	.....	.....
18	39.83	36.61	36.00	36.20	37.75	37.57	42.36	39.93	41.93	.....	.....	.....
19	40.90	37.08	36.71	36.20	37.60	36.80	41.78	39.50	41.44	.....	.....	.....
20	40.69	36.19	37.19	35.66	37.55	37.90	41.81	41.10	41.51	.....	.....	.....
21	40.36	36.74	36.30	35.90	37.56	38.47	41.69	41.27	41.22	.....	.....	.....
22	40.53	36.00	36.90	35.81	37.90	37.90	41.83	41.28	40.97	.....	h37.78	.....
23	40.11	36.25	37.51	35.17	37.60	38.56	41.00	41.33	40.99	.....	.....	.....
24	40.18	36.41	37.20	35.60	38.04	37.83	40.35	41.93	40.76	.....	.....	.....
25	39.97	35.86	37.24	35.00	39.28	38.80	40.60	42.47	40.78	.....	.....	.....
26	41.09	37.00	37.11	34.60	38.59	38.50	40.25	42.18	40.20	.....	.....	.....
27	41.05	36.00	37.00	34.45	38.31	38.73	40.30	42.36	40.18	.....	.....	h37.42
28	41.23	35.90	36.88	34.40	38.43	39.88	40.00	42.22	41.03	.....	h37.91	.....
29	40.70		36.92	34.70	38.43	39.98	39.72	41.79	41.61	.....	.....	.....
30	.....		36.17	33.94	37.56	39.75	39.68	41.81	.....	.....	.....	.....
31	40.10		36.17		37.93		38.70	40.77		h38.04		.....

h Tape measurement.

Wn 3. City of West Bend. City Hall. Drilled unused artesian well in sandstone and limestone, diameter 8 inches, reported depth 1,200 feet, cased to 75. Land-surface datum is 920 feet above msl. Highest water level 12.32 below lsd, Dec. 12, 1951; lowest 19.88 below lsd, Aug. 14, 1947. Records available: 1946-55. Feb. 22, 16.05; Apr. 11, 16.54; June 8, 16.70; Aug. 29, 14.50; Nov. 22, 13.10.

Waukesha County

Wk 2. Sisters of Notre Dame. NE¼SW¼ sec. 24, T. 7 N., R. 20 E. Drilled unused artesian well in sandstone, diameter 16 to 10 inches, reported depth 1,182 feet, cased to 203. Land-surface datum is 762.92 feet above msl. Highest water level 59.95 below lsd, Feb. 23, 1955; lowest 85.34 below lsd, Sept. 3, 1948. Records available: 1946-55. Feb. 23, 59.95; June 28, 81.19; Aug. 30, 68.63.

Wk 14. Veterans Administration Hospital. State Highway 59 and County Highway "Y", Waukesha. Drilled unused artesian well in sandstone, diameter 8 inches, reported depth 1,300 feet. Land-surface datum is 875.03 feet above msl. Highest water level 249.86 below lsd, July 6, 1947; lowest 324.90 below lsd, Oct. 8, 1955. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	310.75	312.90	312.25	312.00	313.20	314.00	316.90	319.47	324.32	.....	322.60	323.69
2	310.30	314.20	313.00	312.55	311.65	314.25	317.23	319.80	324.77	.....	323.60	323.30
3	311.18	314.00	313.40	310.26	312.40	314.48	316.24	320.95	323.87	322.82	324.51	323.45
4	311.02	314.23	313.35	310.50	313.76	315.02	314.20	321.99	323.70	322.53	323.80	320.92
5	311.35	314.00	313.40	311.60	312.75	313.80	314.95	322.75	322.89	322.90	323.82	321.30
6	312.70	311.50	313.02	311.50	314.00	313.92	315.48	322.90	322.30	323.82	319.40	322.57
7	312.20	310.80	312.00	311.77	314.45	313.30	316.68	322.91	323.00	324.80	320.60	323.31
8	312.34	312.14	312.00	313.10	311.70	314.00	317.08	321.62	323.98	324.90	322.42	322.95
9	311.78	311.80	312.78	311.40	310.10	315.20	317.53	321.62	323.92	322.50	323.22	323.47
10	311.10	312.80	312.15	311.56	312.90	314.45	317.80	322.11	324.50	321.80	322.89	323.00
11	311.88	313.74	313.45	311.07	312.70	313.80	317.00	322.43	322.20	322.22	323.49	322.73
12	311.90	312.70	313.85	310.90	313.40	313.93	317.40	323.00	323.45	323.52	322.81	320.70
13	312.54	313.00	310.92	311.50	314.70	312.60	317.20	323.43	323.00	324.09	322.83	321.72
14	312.42	312.35	311.00	312.82	314.85	313.30	318.03	321.81	323.05	324.21	321.20	323.03
15	310.90	311.80	312.40	312.50	314.12	314.67	318.63	321.81	323.99	324.29	321.99	322.80

Wk 14--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	310.40	313.00	312.50	312.68	312.90	314.30	318.99	321.80	323.60	324.30	322.20	323.40
17	310.99	314.11	312.85	312.80	313.60	315.30	318.73	323.13	323.91	322.66	323.62	323.81
18	312.00	313.20	314.15	310.90	314.65	316.00	318.10	.....	321.05	322.79	322.90	321.36
19	312.25	313.57	314.15	311.60	314.55	312.80	319.20	.....	322.56	323.61	323.73	322.00
20	313.00	312.70	313.30	312.80	315.71	312.80	319.64	.....	323.00	323.64	323.75	323.11
21	312.30	311.80	312.13	311.52	315.72	313.87	320.25	.....	323.90	324.44	323.04	322.40
22	312.50	312.40	311.88	312.25	315.30	315.78	320.54	.....	324.56	324.55	323.05	323.30
23	311.90	313.84	312.00	313.20	313.60	316.06	320.61	.....	324.40	324.11	323.78	323.63
24	311.00	313.30	312.83	310.30	314.35	316.45	318.00	.....	324.71	322.15	324.18	323.81
25	313.00	313.80	312.30	312.00	314.70	316.93	318.03	.....	322.00	323.14	323.10	321.20
26	313.50	314.16	312.30	311.65	315.67	314.80	318.70	.....	321.60	323.25	323.19	319.40
27	313.50	312.20	312.15	312.18	315.67	315.20	319.37	.....	323.71	324.07	322.16	321.20
28	313.60	312.48	311.11	313.50	315.70	316.27	319.67	323.45	323.84	324.18	321.00	321.65
29	313.60		311.90	313.10	315.70	316.33	320.13	.....	.....	322.55	322.56	322.35
30	.....		312.60	313.30	311.30	317.10	320.01	324.30	.....	322.66	322.64	322.86
31	.....		311.96		312.10		320.01	324.28		322.70		321.37

Wk 18. Waukesha County Hospital. SE¼SE¼ sec. 28, T. 7 N., R. 19 E. Drilled public-supply well, diameter 10 inches, reported depth 1,325 feet. Highest water level 258.73 below lsd, June 10, 1947; lowest 356.83 below lsd, Oct. 3, 1955. Records available: 1946-47, 1950, 1952-55. Jan. 31, 349.20; Mar. 30, 347.59; Oct. 3, 356.83.

Wk 20. G. W. Aeppler. SE¼NE¼ sec. 6, T. 7 N., R. 17 E. Drilled irrigation artesian well in sandstone and limestone, diameter 10 inches, reported depth 773 feet, cased to 187. Land-surface datum is 866 feet above msl. Highest water level 25.70 below lsd, July 3, 1947; lowest 33.72 below lsd, Sept. 14, 1954. Records available: 1946-55. Feb. 22, 32.35; Apr. 11, 32.97; June 8, 32.86; Aug. 29, 33.52; Nov. 22, 32.40.

Wk 22. Mrs. Bartholomew. 112 Maple Ave., Big Bend. Drilled domestic artesian well in limestone, diameter 6 inches, reported depth 109 feet. Land-surface datum is 813 feet above msl. Highest water level 23.90 below lsd, May 12, 1948; lowest 29.93 below lsd, June 6, 1949. Records available: 1946-55. Feb. 23, 26.50; Apr. 11, 26.70; June 9, 25.66; Aug. 31, 28.03; Nov. 23, 26.74.

Wk 29. Arnold J. Jens. Formerly Riviera Tavern. SW¼NW¼ sec. 14, T. 7 N., R. 18 E. Drilled domestic artesian well in sandstone and limestone, diameter 6 to 4 inches, reported depth 475 feet, cased to 192. Land-surface datum is 883 feet above msl. Highest water level 51.53 below lsd, Sept. 11, 1946; lowest 87.03 below lsd, Nov. 23, 1955. Records available: 1946-55. Feb. 22, 67.98; June 28, 62.10; Aug. 29, 80.87; Nov. 23, 87.03.

Wk 31. William M. Foss. NE¼NW¼ sec. 2, T. 5 N., R. 19 E. Drilled unused artesian well in limestone, diameter 6 inches, reported depth 600 feet. Land-surface datum is 963 feet above msl. Highest water level 129.02 below lsd, Aug. 4, 1952; lowest 134.79 below lsd, Mar. 2, 1950. Records available: 1947-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	132.80	132.53	132.30	132.33	132.34	132.34	132.03	132.44	132.85	133.19	133.33	133.45
2	132.93	132.67	132.39	132.30	132.25	132.34	132.09	132.44	132.85	.....	133.33	133.45
3	132.93	132.73	132.37	132.30	132.20	132.31	132.11	132.43	132.85	.....	133.37	133.39
4	132.87	132.73	132.35	132.33	132.20	132.26	132.13	132.43	132.83	133.27	133.37	133.48
5	132.84	132.59	132.35	132.24	132.20	132.24	132.10	132.48	132.85	133.09	133.32	133.48
6	132.85	132.50	132.32	132.34	132.22	132.21	132.08	132.47	132.85	133.00	133.27	.....
7	132.85	132.52	132.33	132.34	132.17	132.20	132.06	132.49	132.87	133.05	133.37	.....
8	132.75	132.51	132.24	132.34	132.26	132.22	132.04	132.49	132.89	133.20	133.36	.....
9	132.73	132.49	132.21	132.34	132.26	132.23	132.10	132.49	132.89	133.20	133.25	.....
10	132.73	132.59	132.18	132.33	132.19	132.21	132.16	132.51	132.93	133.19	133.30	.....
11	132.72	132.57	132.24	132.25	132.20	132.09	132.17	132.54	132.98	133.19	133.39	.....
12	132.64	132.68	132.37	132.25	132.20	132.12	132.18	132.55	132.99	133.24	133.41	.....
13	132.61	132.67	132.37	132.23	132.19	132.15	132.19	132.57	133.01	133.26	133.43	.....
14	132.59	132.56	132.32	132.30	132.23	132.19	132.16	132.58	132.94	133.22	133.41	.....
15	132.53	132.54	132.31	132.33	132.23	132.19	132.11	132.61	132.95	133.22	133.30	.....
16	132.58	132.63	132.35	132.36	132.21	132.18	132.11	132.60	133.00	133.23	133.44	.....
17	132.65	132.64	132.33	132.31	132.24	132.17	132.22	132.60	133.04	133.23	133.50	.....
18	132.65	132.62	132.30	132.25	132.21	132.11	132.25	132.63	133.05	133.18	133.45	.....
19	132.67	132.54	132.30	132.26	132.17	132.10	132.28	132.63	133.02	133.25	133.45	.....
20	132.67	132.51	132.27	132.27	132.22	132.09	132.29	132.62	133.05	133.28	133.42	.....
21	132.50	132.57	132.14	132.31	132.23	132.10	132.29	132.63	133.05	133.28	133.40	.....
22	132.46	132.56	132.19	132.28	132.18	132.09	132.28	132.70	133.06	133.35	133.47	.....
23	132.48	132.55	132.29	132.20	132.19	132.11	132.28	132.73	133.06	133.40	.....	.....
24	132.49	132.54	132.30	132.30	132.16	132.11	132.27	132.73	133.14	133.39	.....	.....
25	132.56	132.53	132.30	132.30	132.20	.....	132.27	132.73	133.18	133.30	.....	.....

Wk 31--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	132.61	132.39	132.36	132.29	132.18	.....	132.28	132.76	133.18	133.31	.....	.....
27	132.61	132.36	132.36	.....	132.14	.....	132.01	132.74	133.09	133.23	.....	.....
28	132.59	132.33	132.35	132.29	132.14	132.14	132.38	132.75	133.12	133.22	133.49	.....
29	132.53		132.35	132.35	132.20	132.12	132.42	.....	133.05	133.16	133.57	.....
30	132.40		132.35	132.36	132.27	132.07	132.42	.....	133.13	133.16	133.58	.....
31	.....		132.35		132.31		132.44	.....		133.25		.....

Wk 32. Western United Dairy Co. SE¼SE¼ sec. 23, T. 5 N., R. 18 E. Drilled unused artesian well in limestone, diameter 6 inches, depth 189 feet, cased to 100. Highest water level 43.98 below lsd, Aug. 19, 1952; lowest 49.05 below lsd, Feb. 23, 1955. Records available: 1947-55. Feb. 23, 49.05; Apr. 11, 48.93; June 8, 48.90; Aug. 31, 47.57; Nov. 23, 47.83.

Wk 34. A. N. McGeoch Co. NW¼SW¼ sec. 19, T. 5 N., R. 18 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 618 feet, cased to 255. Land-surface datum is 895 feet above msl. Highest water level 32.48 below lsd, Apr. 16, 1952; lowest 41.05 below lsd, Aug. 31, 1955. Records available: 1947-55. Feb. 23, 36.52; Apr. 11, 36.60; June 8, 36.45; Aug. 31, 41.05.

Wk 50. Mr. Walsh. SW¼NE¼ sec. 19, T. 8 N., R. 20 E. Drilled domestic water-table well in Niagara dolomite, diameter 6 inches, reported depth 86 feet. Highest water level 8.85 below lsd, Apr. 7, 1952; lowest 14.75 below lsd, Nov. 16, 1953. Records available: 1952-55. Feb. 23, 11.00; Apr. 12, 10.30; June 27, 10.76; Nov. 28, 14.28.

Wk 86. Gray. NE¼NE¼ sec. 27, T. 7 N., R. 19 E. Drilled domestic artesian well in limestone, diameter 6 inches, reported depth 120 feet. Land-surface datum is 893 feet above msl. Highest water level 27.86 below lsd, Mar. 30, 1953; lowest 35.67 below lsd, Nov. 1, 1955. Records available: 1950-55. Feb. 23, 31.70; Apr. 12, 32.95; June 28, 33.12; Nov. 1, 35.67.

Waupaca County

Wp 2. Village of Fremont. NW¼SE¼ sec. 26, T. 21 N., R. 13 E. Drilled unused artesian well in sandstone, diameter 8 inches, reported depth 205 feet, cased to 109. Highest water level 10.81 below lsd, Apr. 23, 1951; lowest 15.91 below lsd, Feb. 23, 1954. Records available: 1950-55. Apr. 17, 12.67; July 14, 13.74.

Waushara County

Ws 1. University of Wisconsin Experiment Farm. Hancock. NE¼NW¼ sec. 15, T. 19 N., R. 8 E. Driven unused water-table well, diameter 1¼ inches, depth 16 feet, well point. Highest water level 5.23 below lsd, June 14, 1947; lowest 11.51 below lsd, Feb. 27, 1951. Records available: 1947-51, 1953-55. Mar. 16, 10.03; May 4, 10.14; Aug. 5, 10.12; Oct. 14, 10.75.

Ws 3. Follett. SW¼SE¼ sec. 5, T. 18 N., R. 8 E. Driven unused water-table well, diameter 2 inches, reported depth 70 feet. Highest water level 53.68 below lsd, May 20, 1952; lowest 56.96 below lsd, Mar. 11, 1952. Records available: 1949-55. Jan. 10, 55.00; Mar. 16, 54.88; May 4, 55.10; Aug. 5, 55.47; Oct. 14, 55.46.

Ws 7. U. S. Geol. Survey. SE¼SE¼ sec. 10, T. 20 N., R. 8 E. Driven unused water-table well, diameter 1¼ inches, depth 17 feet. Highest water level 9.71 below lsd, Apr. 28, 1952; lowest 14.99 below lsd, Apr. 12, 1954. Records available: 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	11.39	Apr. 4	12.19	June 27	11.42	Sept. 26	12.62
10	11.47	11	12.04	July 5	11.55	Oct. 3	12.73
17	11.60	18	11.93	11	11.64	10	12.83
24	11.66	25	11.85	18	11.71	17	12.94
31	11.74	May 2	11.75	25	11.79	24	13.07
Feb. 7	11.89	9	11.73	Aug. 1	11.79	31	13.15
14	11.98	16	11.68	8	11.89	Nov. 8	13.26
21	11.86	23	11.69	15	11.99	14	13.28
28	12.16	26	11.67	22	12.07	21	13.36
Mar. 7	12.26	31	11.68	29	12.16	28	13.44
14	12.14	June 6	11.61	Sept. 6	12.27	Dec. 5	13.45
21	12.27	13	11.52	12	12.39	12	13.51
28	12.36	20	11.40	19	12.49	19	13.58

Ws 8. University of Wisconsin Experiment Farm. Hancock. NE¼NW¼ sec. 15, T. 19 N., R. 8 E. Jetted unused water-table well in sand and gravel, diameter 4 inches, depth 18 feet. Highest water level 7.14 below lsd, May 11, 1952; lowest 11.58 below lsd, May 14, 1954. Records available: 1951-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	....	9.72	9.55	9.40	9.24	9.54	9.81	10.10	10.39	10.71
2	....	....	....	9.72	9.53	9.40	9.24	9.52	9.81	10.11	10.39	10.71
3	....	....	....	9.72	10.12	9.40	9.25	9.50	10.44	10.11	10.40	10.72
4	....	....	....	9.72	9.52	9.39	.....	9.50	9.86	10.13	10.41	10.73
5	....	....	....	9.72	10.24	9.39	.....	10.44	9.86	10.13	10.41	10.75
6	....	....	....	9.72	9.52	9.39	.....	10.44	10.44	10.42	10.43	10.76
7	....	....	....	9.72	9.48	9.39	9.29	9.57	10.44	10.17	10.44	10.77
8	....	....	....	9.72	9.48	9.39	.....	10.44	9.91	10.18	10.46	10.79
9	....	....	....	9.72	9.48	9.40	.....	10.44	10.44	10.18	10.46	10.80
10	....	....	....	9.72	9.48	9.40	.....	10.44	9.95	10.38	10.46	10.80
11	....	....	....	9.72	.....	9.40	.....	9.74	9.95	10.27	10.49	10.82
12	....	....	9.54	9.72	.....	9.38	9.28	9.74	9.95	10.23	10.50	10.82
13	....	....	9.55	9.72	.....	9.37	9.82	10.44	9.95	10.26	10.51	10.83
14	....	....	9.57	9.68	.....	9.34	9.37	9.64	9.93	10.22	10.51	10.85
15	....	....	9.59	9.66	.....	9.83	9.97	10.44	9.92	10.22	10.52	10.86
16	....	....	9.59	9.66	10.90	9.33	.....	10.44	10.44	10.22	10.52	10.88
17	....	....	9.61	9.66	10.96	....	.....	10.30	10.03	10.24	10.54	10.90
18	....	....	9.61	9.65	10.43	....	.....	9.74	10.01	10.25	10.55	10.92
19	....	....	....	9.63	10.80	....	.....	10.19	10.44	10.26	10.57	10.92
20	....	....	....	9.62	9.45	....	10.36	9.74	10.44	10.27	10.58	10.93
21	....	....	....	9.61	9.44	....	10.30	9.74	10.03	10.28	10.59	10.94
22	....	....	....	9.62	9.43	9.27	10.41	10.11	10.03	10.28	10.60	10.94
23	....	....	....	....	9.90	9.27	10.53	10.30	10.03	10.28	10.61	10.95
24	....	....	....	....	9.45	9.99	9.99	10.44	10.04	10.30	10.63	10.95
25	....	....	....	9.56	9.42	....	10.42	10.44	10.04	10.32	10.63	10.96
26	....	....	....	9.56	9.42	....	9.63	9.75	10.04	10.35	10.63	10.98
27	....	....	....	9.56	9.39	....	10.46	9.75	10.06	10.35	10.66	10.99
28	....	....	....	9.55	9.38	....	10.60	9.75	10.07	10.35	10.68	11.00
29	....		....	9.55	9.39	9.90	10.44	10.44	10.07	10.35	10.69	11.03
30	....		9.72	9.55	9.40	9.89	10.44	10.44	10.09	10.35	10.71	11.03
31	....		9.72		9.40		9.60	10.44		10.37		11.04

Ws 9. University of Wisconsin Experiment Farm. Hancock. NE¼NW¼ sec. 15, T. 19 N., R. 8 E. Jetted well in sand and gravel, diameter 4 inches, depth 26 feet. Highest water level 15.03 below lsd, May 14, 1952; lowest 19.20 below lsd, Apr. 20-21, 1954. Records available: 1951-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.90	17.18	17.39	17.43	17.22	17.07	16.88	17.17	17.45	17.75	18.20	18.50
2	16.92	17.19	17.41	17.43	17.20	17.07	16.88	17.18	17.45	17.76	18.22	18.50
3	16.92	17.21	17.41	17.43	17.20	17.06	16.88	17.18	17.45	17.78	18.22	18.51
4	16.93	17.21	17.42	17.44	17.20	17.06	16.88	17.19	17.47	17.79	18.22	18.52
5	16.95	17.20	17.42	17.44	17.20	17.05	16.88	17.19	17.48	17.79	18.24	18.53
6	16.96	17.22	17.42	17.44	17.20	17.04	16.88	17.20	17.48	17.81	18.26	18.56
7	16.96	17.23	.....	17.45	17.18	17.04	16.88	17.20	17.50	17.82	18.27	18.56
8	16.96	17.23	.....	17.45	17.18	17.04	16.88	17.20	17.51	17.83	18.27	18.57
9	16.98	17.25	.....	17.45	17.18	17.05	16.88	17.23	17.52	17.85	18.27	18.59
10	.....	17.26	.....	17.45	17.17	17.05	16.88	17.24	17.53	17.86	18.29	18.60
11	.....	.....	17.36	17.45	17.16	.....	16.90	17.25	17.54	17.86	18.31	18.62
12	.....	.....	17.34	17.44	.....	.....	.....	17.26	17.55	17.87	18.32	18.63
13	17.02	.....	17.35	17.44	.....	.....	.....	17.26	17.56	17.88	18.33	18.63
14	17.02	17.29	17.35	.....	.....	.....	.....	17.26	17.57	17.89	18.33	18.64
15	17.02	17.30	17.37	17.35	.....	.....	.....	17.27	17.57	17.99	18.33	18.65
16	.....	17.32	17.40	17.35	17.11	.....	.....	17.29	17.58	18.00	18.35	18.65
17	.....	17.33	.....	17.35	17.11	.....	.....	17.30	17.59	18.00	18.37	18.66
18	.....	17.33	17.42	17.34	17.10	.....	17.05	17.31	17.60	18.04	18.38	18.67
19	.....	17.34	17.43	17.31	17.09	.....	17.06	17.32	17.60	18.04	18.38	18.68
20	17.09	17.35	17.44	17.30	17.09	.....	17.06	17.33	17.61	18.06	18.40	18.70
21	17.06	.....	17.44	17.29	17.09	16.96	17.06	17.35	17.62	18.07	18.41	18.71
22	17.08	.....	17.44	17.29	17.08	16.96	17.06	17.36	17.63	18.07	18.43	18.73
23	17.09	17.37	17.45	.....	17.07	16.95	17.08	17.37	17.65	18.07	18.43	18.73
24	17.10	17.37	17.46	.....	17.04	16.94	17.09	17.37	17.67	18.09	18.44	18.75
25	17.11	17.37	.....	17.27	17.04	16.93	17.10	17.38	17.68	18.09	18.44	18.76

Ws 9--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	17.11	17.38	.....	17.27	17.05	16.93	17.11	17.39	17.69	18.11	18.45	18.78
27	.....	17.38	.....	17.26	17.05	16.92	17.11	17.39	17.71	18.12	18.47	18.78
28	.....	17.38	.....	17.25	17.04	16.92	17.11	17.40	17.71	18.13	18.48	18.78
29	.....		.....	17.24	17.04	16.89	17.12	17.40	17.72	18.15	.....	18.81
30	.....		17.43	17.23	17.04	16.89	17.13	17.40	17.74	18.16	.....	18.81
31	.....		17.43		.....		17.17	17.41		18.19		18.81

Winnebago County

Wi 1. Oak Hill Cemetery. NE¼SE¼ sec. 20, T. 20 N., R. 17 E. Drilled irrigation artesian well in sandstone and limestone, reported depth 340 feet. Land-surface datum is 776 feet above msl. Highest water level 38.05 below lsd, Apr. 16, 1947; lowest 66.15 below lsd, Sept. 1, 1955. Records available: 1946-55. Mar. 16, 61.96; June 21, 57.44; Sept. 1, 66.15; Oct. 26, 56.94.

Wi 6. City of Oshkosh. Board of Education. Wisconsin Ave. and Algoma Blvd. Drilled unused artesian well in sandstone and limestone, diameter 8 inches, reported depth 200 feet. Highest water level 27.25 below lsd, Apr. 13, 1951; lowest 36.08 below lsd, Oct. 26, 1955. Records available: 1950-55. Mar. 16, 29.58; June 21, 31.76; Oct. 26, 36.08.

Wi 9. Kimberly-Clark Paper Co. NE¼NW¼ sec. 21, T. 20 N., R. 17 E. Drilled domestic artesian well in sandstone, diameter 16 inches, reported depth 675 feet, cased to 86. Highest water level 39.06 below lsd, July 29, 1953; lowest 82.90 below lsd, Mar. 16, 1955. Records available: 1952-55. Mar. 16, 82.90; June 21, 54.94; Sept. 1, 61.26; Oct. 26, 59.31.

Wood County

Wd 29. Elmer Aschenbrenner. NE¼NE¼ sec. 2, T. 23 N., R. 4 E. Drilled unused water-table well in sand, diameter 8 to 6 inches, depth 18 feet. Highest water level 2.86 below lsd, Apr. 23, 1951; lowest 13.99 below lsd, Feb. 15, 1954. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	6.20	Apr. 4	5.90	July 5	6.23	Oct. 3	8.90
10	6.23	11	5.99	13	6.25	10	10.03
17	6.34	18	5.85	18	6.31	17	10.76
24	6.46	25	5.87	25	6.40	25	10.79
31	6.72	May 2	5.91	Aug. 1	6.64	31	10.84
Feb. 7	6.80	9	6.00	8	6.70	Nov. 7	10.87
14	6.83	16	6.08	16	6.76	14	10.91
21	6.99	23	6.14	22	6.87	21	10.93
28	6.94	30	6.10	29	6.98	28	11.00
Mar. 7	6.81	June 6	6.18	Sept. 6	7.06	Dec. 5	11.09
14	5.78	13	5.99	12	7.19	12	11.08
21	5.99	20	6.04	19	7.49	19	11.12
28	5.94	27	6.16	26	7.98	26	11.17

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