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

Part 3. North-Central States

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

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PREFACE

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

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 1953.

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

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

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

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

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

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

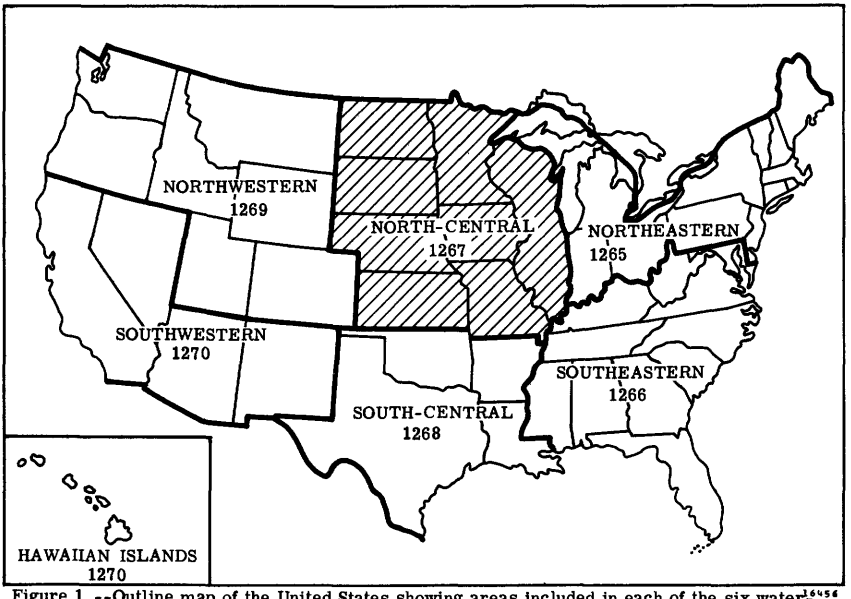

Figure 1. --Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1953. The shaded area indicates the States included in this volume.

Penn Livingston had general charge of the nationwide observation-well program; Verda M. Dougherty was responsible for the compilation of the reports.

ILLINOIS

By J. B. Cooper

Scope of Water-Level Program

Measurements of water level were continued in 1953 in the well at Princeton, Bureau County. This well is equipped with a nonrecording gage, which was installed in November 1942; observations have been made at approximately weekly intervals since that time.

In 1948 recording gages were installed on 4 wells at Argonne National Laboratory in Du Page County. Water levels on these 4 wells are in altitude above sea level to conform with other data at the laboratory.

Precipitation

The precipitation at the Tiskilwa rainfall station in 1953, as obtained from records of the U. S. Weather Bureau, was 28.67 inches, 5.78 inches below normal. Below-normal precipitation occurred in all months except June, July, and December.

Interpretation of Water-Level Fluctuations

During 1953, the water level in the well at Princeton followed the general pattern of previous years, as indicated by figure 2. High-water levels occurred in the spring and summer and low levels in the fall and winter. Below-average water levels were recorded for all months of the year except May. The low of 21.15 feet observed on November 28 was the lowest level of record and was 0.47 foot lower than the 1952 low. The high of 7.25 feet observed on May 23 was 4.17 feet lower than the 1952 high. The range of fluctuation during 1953 was 13.90 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: 1942-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	18.80	Apr. 10	10.33	July 10	9.50	Oct. 10	19.41
10	19.33	18	10.49	18	11.55	17	19.70
17	16.60	25	10.39	25	13.00	24	20.11
24	19.51	May 2	9.49	Aug. 1	13.59	31	20.39
31	19.51	9	9.74	3	14.39	Nov. 7	20.59
Feb. 7	18.60	16	10.19	15	15.10	14	20.79
14	18.61	23	7.25	22	15.84	21	20.99
21	16.39	30	8.61	29	16.59	28	21.15
28	16.15	June 6	10.00	Sept. 5	16.85	Dec. 5	20.84
Mar. 7	16.53	14	8.33	12	17.52	12	20.61
21	11.49	20	10.60	19	17.86	19	20.69
28	11.71	27	12.39	26	18.39	26	20.79
Apr. 4	10.40	July 4	12.60	Oct. 3	18.79		

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 640.34 above msl, Dec. 17, 1953 Records available: 1948-53.

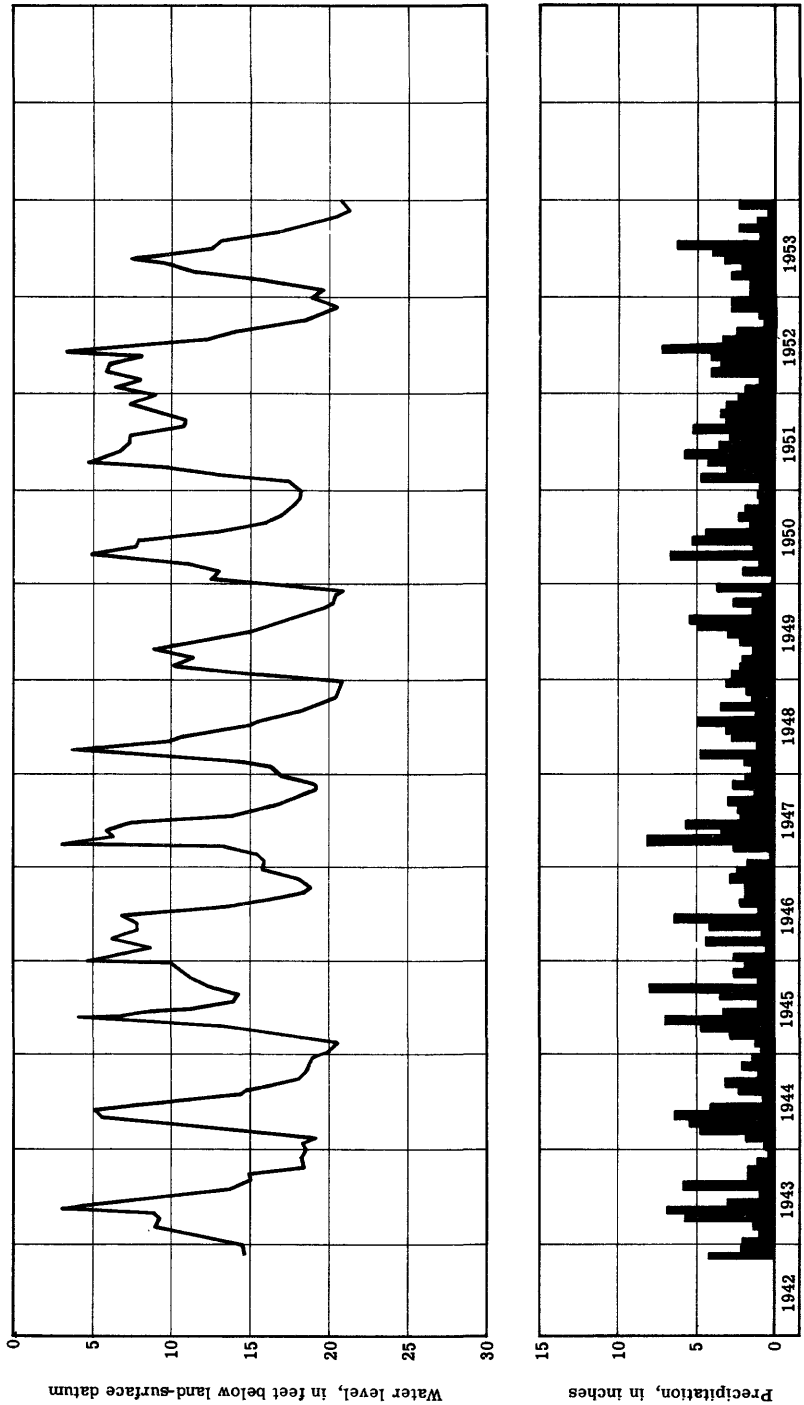

Figure 2.--Water level in well 16-9-9 at Princeton, Ill., and monthly precipitation at Tiskilwa, 1942-53.

ANL 9--Continued.

Daily lowest water level, above msl, from recorder graph, 1948

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 9	640.93	Dec. 15	641.20	Dec. 21	641.07	Dec. 27	640.90
10	640.67	16	640.97	22	640.89	28	641.06
11	640.96	17	640.88	23	640.82	29	640.70
12	641.11	18	640.88	24	640.83	30	640.62
13	640.96	19	641.22	25	640.63	31	640.72
14	640.93	20	641.34	26	640.63		

Daily lowest water level, above msl, from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	640.80	641.39	642.11	642.27	642.23	641.91	641.69	641.80	641.34	640.97	640.95	640.64
2	640.88	641.33	642.15	642.27	642.12	641.91	641.68	641.76	641.33	641.04	640.98	640.54
3	640.85	641.63	642.11	642.29	642.02	641.82	641.71	641.67	641.35	641.12	640.98	640.58
4	640.88	641.71	642.33	642.28	641.98	641.80	641.77	641.60	641.42	641.08	640.85	640.67
5	.....	641.66	642.45	642.46	641.97	641.81	641.78	641.58	641.36	641.10	640.77	640.67
6	641.14	641.70	642.11	642.72	641.94	641.87	641.81	641.60	641.33	641.25	640.84	640.69
7	641.14	641.69	642.09	642.68	641.94	641.68	641.77	641.63	641.37	641.28	640.96	640.67
8	641.12	641.67	642.32	642.46	641.98	641.56	641.73	641.68	641.32	641.14	641.02	640.52
9	640.73	641.54	642.30	642.37	641.97	641.54	641.73	641.57	641.27	641.12	641.02	640.52
10	640.62	641.46	642.22	642.35	641.86	641.56	641.68	641.51	641.27	641.21	641.13	640.72
11	640.63	641.46	642.21	642.43	641.86	641.66	641.73	641.51	641.34	641.25	641.08	640.86
12	641.10	641.72	642.14	642.51	641.95	641.75	641.84	641.54	641.36	641.07	641.08	640.64
13	641.24	641.62	642.12	642.66	641.95	641.83	641.91	641.54	641.31	641.02	641.13	640.54
14	641.27	641.64	642.09	642.66	641.90	641.84	641.92	641.54	641.27	640.96	641.12	640.50
15	641.37	641.89	641.98	642.44	641.89	641.70	641.89	641.51	641.29	640.96	641.03	640.52
16	641.24	641.67	642.02	642.39	641.86	641.70	641.88	641.48	641.36	641.04	640.91	640.62
17	641.21	641.66	642.14	642.47	641.86	641.78	641.92	641.49	641.40	641.01	640.85	640.77
18	641.24	641.90	641.96	642.32	641.90	641.76	641.97	641.53	641.41	640.96	640.76	640.79
19	641.09	641.94	641.86	642.21	641.87	641.75	641.87	641.41	641.29	640.98	640.96	640.79
20	641.09	641.77	641.89	642.01	641.86	641.86	641.85	641.35	641.23	641.06	640.87	640.91
21	641.37	641.78	642.14	642.10	641.96	641.94	641.75	641.32	641.26	641.15	640.63	641.07
22	641.26	641.91	642.13	642.25	642.07	641.87	641.70	.....	641.28	641.11	640.63	640.96
23	641.31	641.96	642.05	642.20	642.01	641.93	641.76	.....	641.17	640.95	640.84	640.81
24	641.41	642.26	642.08	641.99	641.90	642.00	641.82	.....	641.17	640.89	640.96	640.72
25	641.38	642.05	642.06	641.99	641.90	642.00	641.83	.....	641.17	640.94	640.75	640.92
26	641.31	642.06	642.08	642.12	641.90	641.94	641.83	.....	641.17	640.77	640.79	641.13
27	641.34	642.32	642.31	641.96	641.82	641.86	641.80	641.37	641.28	640.79	640.89	641.21
28	641.41	642.14	642.17	641.90	641.81	641.81	641.78	641.49	641.17	640.90	640.93	641.15
29	641.28		642.12	641.97	641.83	641.78	641.75	641.46	641.10	640.96	640.92	641.12
30	641.28		642.16	642.09	641.86	641.75	641.73	641.51	641.00	641.06	640.77	641.20
31	641.57		642.56		641.90		.....	641.49		640.93		641.30

Daily lowest water level, above msl, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	641.45	642.23	642.12	642.96	643.24	643.01	643.13	642.82	642.28	642.07	641.82	641.45
2	641.65	642.16	641.98	642.96	643.24	643.02	643.19	642.70	642.24	642.05	641.68	641.72
3	642.03	642.13	642.05	643.07	643.38	643.10	643.20	642.64	642.17	641.97	641.63	641.62
4	641.59	642.10	642.10	642.96	643.44	643.08	643.18	642.64	642.08	642.01	641.75	641.42
5	641.57	642.15	642.28	642.70	643.61	643.17	643.09	642.56	641.99	642.04	.....	641.33
6	.....	642.34	642.29	642.62	643.39	643.01	642.99	642.55	641.99	642.13	.....	641.34
7	641.46	642.19	642.54	642.78	643.13	642.94	642.96	642.60	642.07	642.19	.....	641.64
8	641.53	642.24	642.46	642.76	643.13	642.94	642.93	642.63	642.17	642.21	641.75	641.46
9	641.77	642.32	642.31	642.82	643.47	642.98	642.95	642.61	642.25	642.20	641.57	641.46
10	641.77	642.36	642.32	643.13	.....	642.98	642.94	642.58	642.35	642.20	641.38	641.43
11	641.67	642.19	642.66	643.21	.....	642.90	642.94	642.52	642.26	642.22	641.33	641.46
12	641.92	642.18	642.56	643.26	643.38	642.96	642.99	642.51	642.20	642.04	641.37	641.54
13	642.12	642.36	642.65	643.23	643.60	643.09	642.90	642.51	642.11	641.98	641.39	641.45
14	641.83	.....	642.65	643.19	643.64	642.88	642.86	642.56	642.11	642.00	641.40	641.43
15	641.94	.....	642.60	643.19	643.55	642.90	642.86	642.62	642.10	641.91	641.56	641.24
16	641.75	642.41	642.66	643.31	643.46	642.91	642.90	642.57	641.99	641.90	641.47	641.23
17	641.89	642.35	642.73	643.53	643.48	642.82	642.89	642.53	641.90	641.85	641.42	641.14
18	642.04	642.36	642.51	643.20	643.39	642.96	642.81	642.53	641.95	641.86	641.56	641.13
19	641.88	642.27	642.50	643.13	643.40	643.23	642.85	642.51	642.00	641.91	641.87	641.17
20	641.87	642.23	642.66	643.13	643.33	643.26	642.78	642.47	642.02	641.83	641.50	641.05

ANL 9--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	642.07	642.53	642.77	643.10	643.37	643.17	642.73	642.53	642.10	641.94	641.50	641.05
22	642.32	642.54	642.89	643.10	643.39	643.20	642.77	642.56	642.13	641.99	641.59	641.20
23	642.30	642.45	642.77	643.18	643.31	643.38	642.87	642.45	642.14	641.84	641.46	641.28
24	642.51	642.13	642.74	643.30	643.31	643.25	642.82	642.42	642.04	641.86	641.40	641.31
25	642.38	642.09	642.66	643.38	643.15	643.23	642.78	642.34	642.10	641.77	641.41	641.31
26	641.88	641.93	642.84	643.22	642.98	643.30	642.80	642.34	642.07	641.77	641.88	641.12
27	641.88	642.01	643.42	643.12	642.98	643.12	642.83	642.43	642.11	641.94	641.61	641.12
28	642.23	642.32	643.01	643.03	643.08	643.16	642.85	642.45	642.06	641.95	641.48	641.29
29	642.15		.....	643.06	643.15	643.20	642.88	642.40	642.07	641.89	641.48	641.35
30	642.15		.....	643.21	643.26	643.14	642.93	642.40	642.07	641.89	641.46	641.36
31	642.24		642.66		643.09		642.89	642.37		641.89		641.29

Daily lowest water level, above msl, from recorder graph, 1951

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	641.40	641.65	642.30	642.95	643.16	643.43	642.97	642.76	.....	642.58	642.38	642.61
2	641.45	641.59	642.30	642.94	643.12	643.43	642.90	642.77	.....	642.73	642.38	642.72
3	641.62	641.64	642.61	642.94	643.27	643.44	642.90	642.70	.....	642.73	642.48	642.77
4	641.35	641.75	642.49	642.85	643.34	643.24	642.90	642.65	642.53	642.64	642.34	642.83
5	641.35	641.71	642.51	642.79	643.26	643.23	642.73	642.69	642.58	642.52	642.18	642.83
6	641.37	641.85	642.73	642.87	643.11	643.28	642.69	642.84	642.64	642.47	642.21	642.96
7	641.42	641.60	642.60	643.18	643.11	643.33	642.78	642.94	642.43	642.49	642.48	642.56
8	641.58	641.51	642.40	643.19	643.17	643.36	642.93	642.96	642.44	642.49	642.40	642.55
9	641.74	641.43	642.26	643.19	643.17	643.30	642.91	642.86	642.55	642.48	642.35	642.63
10	641.81	641.44	642.28	643.02	643.19	643.28	642.82	642.80	642.73	642.47	642.31	642.63
11	641.68	641.76	642.40	643.02	643.29	643.28	642.82	642.79	642.62	642.55	642.28	642.85
12	641.61	641.76	642.60	643.36	643.17	643.26	642.80	642.74	642.62	642.41	642.52	642.69
13	641.61	641.39	643.04	643.24	643.09	643.13	642.76	642.79	642.53	642.38	642.79	642.51
14	641.83	641.29	642.99	643.19	643.03	643.06	642.78	642.78	642.36	642.46	642.68	642.51
15	641.84	641.41	642.88	643.01	643.03	643.11	642.85	642.88	642.30	642.58	642.44	642.28
16	641.80	641.70	642.75	642.93	643.19	643.24	642.90	642.86	642.30	642.56	642.37	642.28
17	642.01	641.82	642.73	642.91	643.28	643.18	642.84	642.84	642.35	642.48	642.34	642.30
18	641.99	641.87	642.78	643.05	643.31	643.13	642.89	642.79	642.36	642.44	642.34	642.47
19	641.95	642.01	642.78	642.82	643.33	643.14	642.97	642.78	642.35	642.38	642.29	642.46
20	641.60	642.04	642.81	642.74	643.55	643.07	642.96	642.85	642.35	642.51	642.32	642.74
21	641.44	641.97	642.81	642.78	643.54	643.03	642.99	642.79	642.33	642.75	642.49	642.69
22	641.58	641.92	642.81	642.82	643.52	643.08	642.90	642.64	642.22	642.55	642.65	642.57
23	641.88	641.90	642.98	642.77	643.46	643.05	642.84	642.56	642.18	642.55	642.55	642.32
24	641.82	641.96	642.78	642.87	643.53	642.94	642.88	642.59	642.20	642.46	642.37	642.21
25	641.76	642.23	642.71	642.82	643.64	642.91	642.89	642.61	642.16	642.43	642.37	642.40
26	641.77	642.49	642.69	642.74	643.79	643.03	642.87	642.75	642.24	642.47	642.43	642.06
27	641.77	642.26	642.90	642.80	643.86	643.05	642.89	642.87	642.29	642.46	642.39	642.06
28	641.62	642.26	643.01	642.06	643.60	642.92	642.81	642.78	642.16	642.60	642.52	642.61
29	641.42		643.17	.....	643.46	642.91	642.79	642.78	642.18	642.61	642.53	642.69
30	641.42		643.01	.....	643.28	643.00	642.81	642.79	642.45	642.60	642.60	642.73
31	641.56		643.00		643.29		642.87	.....		642.43		642.60

Daily lowest water level, above msl, from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	642.23	643.06	.....	643.32	643.35	642.81	642.28	641.99	642.17	642.14	641.51	641.16
2	642.23	643.09	.....	643.28	643.23	642.83	642.27	642.14	642.13	641.90	641.42	641.27
3	642.17	643.26	.....	643.23	643.23	642.82	642.25	642.14	641.99	641.89	641.30	641.25
4	642.30	643.40	.....	643.18	643.31	642.75	642.21	642.18	641.92	641.96	641.34	641.30
5	642.43	643.19	.....	643.17	643.37	642.83	642.20	642.08	641.92	641.89	641.62	641.36
6	642.36	643.05	.....	643.09	643.15	642.80	642.24	642.08	641.89	641.81	641.46	641.34
7	642.36	643.07	.....	643.01	643.10	642.73	642.29	642.07	641.84	641.77	641.36	641.44
8	642.69	642.83	642.37	642.99	643.25	642.82	642.32	642.11	641.86	641.82	641.42	641.45
9	642.50	642.83	642.72	.....	643.37	642.74	642.31	642.23	641.86	641.69	641.42	641.47
10	642.24	642.94	642.93	.....	643.31	642.64	642.32	642.19	641.87	641.63	641.37	641.38
11	642.24	642.90	642.60	.....	643.31	642.59	642.23	642.17	641.82	641.69	641.41	641.35
12	642.46	642.90	642.66	643.08	643.22	642.69	642.17	642.08	641.87	641.81	641.38	641.27
13	642.56	642.81	642.80	643.58	643.14	642.58	642.20	642.04	641.88	641.70	641.43	641.27
14	.....	642.69	642.65	643.29	643.19	642.60	642.28	642.06	641.90	641.59	641.47	641.30
15	.....	642.69	642.70	643.06	643.13	642.58	642.23	642.15	641.90	641.61	641.45	641.29
16	.....	642.73	642.80	643.01	643.00	642.71	642.20	642.15	641.95	641.59	641.43	641.29
17	.....	642.68	642.84	643.10	642.93	642.68	642.13	642.12	642.05	641.46	641.45	641.21
18	.....	642.63	643.06	643.11	642.92	642.56	642.16	642.03	641.98	641.46	641.47	641.07
19	642.75	642.64	643.09	643.19	642.97	642.46	642.18	642.05	641.81	641.45	641.45	641.08
20	642.59	642.82	643.07	643.25	643.09	642.39	642.26	642.07	641.76	641.36	641.34	641.30

ANL 9--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	642.59	642.54	642.87	643.31	642.97	642.56	642.20	641.99	641.71	641.36	641.29	641.26
22	643.19	642.41	643.06	643.40	642.96	642.52	642.18	641.92	641.75	641.44	641.39	641.31
23	642.65	642.53	643.19	.....	643.97	642.49	642.02	641.94	641.68	641.49	641.25	641.32
24	642.56	642.49	.....	.....	643.06	642.62	642.00	641.99	641.63	641.54	641.22	641.24
25	642.88	642.46	.....	.....	642.99	642.64	642.04	642.00	641.73	641.47	641.38	641.23
26	642.99	642.51	.....	643.31	642.93	642.39	642.06	642.02	641.76	641.55	641.36	641.24
27	642.96	642.69	.....	643.41	642.91	642.29	642.06	642.05	641.78	641.58	641.23	641.22
28	642.98	642.82	643.09	643.44	642.82	642.35	642.12	642.07	641.93	641.42	641.16	641.22
29	642.89	642.67	643.00	643.33	642.80	642.40	642.08	642.08	641.92	641.38	641.22	641.40
30	642.86		643.05	643.29	642.89	642.31	642.06	642.09	641.93	641.47	641.12	641.43
31	642.92		643.27		642.90		641.99	642.19		641.55		641.35

Daily lowest water level, above msl, from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	641.32	640.91	640.98	641.68	641.69	641.33	641.70	641.69	641.30	640.77	640.71	640.56
2	641.46	641.05	641.11	641.58	641.51	641.32	641.77	641.70	641.32	640.76	640.72	640.65
3	641.47	641.06	641.21	641.69	641.46	641.35	641.69	641.69	641.35	640.81	640.64	640.74
4	641.46	641.03	641.15	641.70	641.46	641.40	641.73	641.80	641.23	640.73	640.65	640.76
5	641.30	641.11	641.04	641.67	641.59	641.45	641.77	641.70	641.20	640.78	640.47	640.67
6	641.22	641.17	640.84	641.79	641.61	641.36	641.75	641.71	641.19	640.76	640.47	640.74
7	641.15	641.15	640.83	641.70	641.63	641.34	641.75	641.75	641.37	640.70	640.48	640.75
8	641.29	640.97	640.89	641.70	641.59	641.47	641.68	641.79	641.00	640.78	640.59	640.76
9	641.13	640.82	640.89	641.83	641.58	641.28	641.59	641.75	641.94	640.89	640.62	640.78
10	641.29	640.85	641.01	641.69	641.65	.....	641.46	641.72	641.02	640.91	640.62	640.69
11	641.13	641.10	641.09	641.69	641.67	.....	641.59	641.73	641.19	640.89	640.64	640.65
12	641.14	641.18	641.12	641.72	641.66	.....	641.54	641.74	641.18	640.77	640.63	640.65
13	641.24	641.13	641.06	641.60	641.32	.....	641.59	641.74	641.16	640.71	640.61	640.81
14	641.26	641.24	641.13	641.55	641.40	.....	641.70	641.81	641.24	640.72	640.66	640.78
15	641.06	641.17	641.27	641.68	641.48	.....	641.55	641.77	641.28	640.78	640.75	640.62
16	640.81	641.00	641.21	641.65	641.51	641.74	641.52	641.73	641.21	640.74	640.81	640.41
17	640.95	640.92	641.32	641.60	641.66	641.65	641.57	641.67	641.17	640.74	640.83	640.34
18	641.24	640.97	641.54	641.57	641.63	641.69	641.75	641.66	641.23	640.78	640.83	640.36
19	641.26	640.94	641.44	641.59	641.60	641.83	641.75	641.64	641.21	640.77	640.79	640.48
20	641.15	641.14	641.38	641.57	641.61	641.83	641.72	641.58	641.22	640.74	640.99	640.73
21	641.13	640.81	641.58	641.59	641.52	641.68	641.76	641.53	640.94	640.68	640.83	640.82
22	641.10	640.79	641.55	641.68	641.44	641.70	641.76	641.51	640.89	640.70	640.85	640.44
23	641.19	640.83	641.62	641.52	641.38	641.66	641.69	641.54	640.89	640.79	640.96	640.41
24	641.23	640.92	641.61	641.52	641.35	641.74	641.59	641.54	640.97	640.75	641.06	640.51
25	641.05	641.13	641.43	641.80	641.58	641.75	641.62	641.48	641.03	640.75	640.96	640.67
26	641.05	641.35	641.41	641.62	641.23	641.63	641.58	641.44	641.02	640.78	640.89	640.67
27	641.18	641.11	641.54	641.54	641.15	641.62	641.59	641.43	641.08	640.83	640.62	640.67
28	641.10	641.00	641.64	641.53	641.15	641.64	641.61	641.44	641.08	640.75	640.54	640.78
29	640.97		641.54	641.54	641.31	641.60	641.66	641.44	641.08	640.69	640.60	640.67
30	641.13		641.57	641.68	641.55	641.59	641.62	641.42	640.80	640.69	640.60	640.57
31	641.04		641.70		641.46		641.59	641.36		640.75		640.57

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 632.52 above msl, Sept. 4, 1953. Records available: 1948-53.

Daily lowest water level, above msl, from recorder graph, 1948

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 23	645.68	Dec. 2	644.51	Dec. 15	645.30	Dec. 23	645.05
24	645.63	3	643.48	16	645.20	24	645.00
25	646.00	4	643.64	17	644.90	25	644.92
26	645.52	8	644.77	18	645.30	26	645.10
27	645.16	9	644.07	19	645.50	27	645.01
28	646.51	11	644.46	20	645.50	29	645.00
30	644.85	13	645.33	21	645.26	30	645.19
Dec. 1	645.20	14	645.20	22	644.96	31	644.90

ANL 10--Continued.

Daily lowest water level, above msl, from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	645.16	645.39	645.31	645.63	645.04	643.74	642.41	641.35	639.89	639.30	639.00	638.30
2	645.23	645.32	644.94	645.95	644.39	643.95	643.12	639.52	.....	640.10	639.10	638.30
3	645.20	643.89	.....	645.81	644.31	644.33	643.45	640.90	.....	640.00	638.90	638.70
4	645.21	645.21	644.99	645.35	643.79	.....	643.45	639.07	.....	639.50	638.70	638.80
5	645.25	.....	645.74	645.93	.....	644.61	642.73	639.80	.....	639.30	638.80	638.10
6	645.31	.....	645.88	645.64	.....	644.01	642.80	639.56	640.05	.....	639.20	638.50
7	645.26	.....	645.43	645.89	.....	643.69	643.08	641.05	639.84	.....	639.40	639.10
8	645.27	645.47	645.67	645.78	.....	643.48	643.14	640.32	639.64	.....	638.80	639.60
9	645.19	645.10	645.80	645.53	.....	643.48	643.20	638.97	.....	.....	639.00	639.50
10	645.01	645.34	645.15	646.11	.....	643.04	644.08	639.30	640.52	.....	639.50	639.70
11	645.10	645.06	645.60	645.75	643.35	643.34	643.62	639.72	640.55	639.00	639.60	640.00
12	645.38	645.19	645.15	645.45	643.51	643.28	643.34	638.03	640.02	639.50	639.40	639.90
13	645.34	645.15	645.57	645.10	643.52	643.58	642.87	639.08	639.63	638.80	640.10	639.10
14	645.15	645.53	644.41	645.23	644.47	643.63	643.37	.....	640.50	639.20	639.30	639.30
15	645.29	645.78	644.87	645.27	644.79	643.95	643.08	639.46	640.80	639.70	639.00	638.90
16	645.38	645.61	644.73	645.03	644.08	643.97	643.05	639.55	639.60	640.40	638.90	639.20
17	645.23	645.44	645.03	645.77	640.98	644.03	643.96	638.98	640.40	639.80	639.00	639.90
18	.....	644.42	644.57	645.17	643.65	644.15	643.04	640.00	.....	639.10	638.80	640.30
19	645.21	644.13	644.95	644.80	644.07	644.17	639.52	639.23	640.00	638.90	639.90	639.70
20	645.35	.....	645.03	644.98	643.66	643.44	641.06	640.10	639.30	639.40	639.40	639.60
21	645.47	.....	644.75	645.12	643.74	643.77	642.66	640.47	639.10	639.40	638.90	640.10
22	645.38	.....	645.38	644.70	643.33	643.42	641.34	.....	639.10	639.80	639.00	639.70
23	645.64	.....	644.88	645.26	644.13	643.98	642.60	640.92	638.90	640.50	638.90	639.70
24	645.49	645.61	640.73	644.94	642.28	642.28	641.77	.....	640.00	639.90	640.40	640.30
25	645.52	645.49	644.93	644.69	642.38	642.23	.....	.....	641.50	639.50	639.40	640.80
26	645.54	645.42	645.37	644.90	640.49	641.87	641.12	640.60	639.10	639.00	639.80	641.20
27	645.57	646.01	645.44	644.48	638.16	642.08	640.68	641.91	638.90	638.80	639.60	640.70
28	645.75	645.48	645.33	644.66	643.08	642.41	640.12	642.10	639.10	638.80	639.30	640.50
29	645.64		645.84	644.10	644.20	642.76	640.16	640.60	639.50	639.30	639.00	640.50
30	645.71		645.42	644.54	644.65	642.75	642.06	639.84	639.10	639.80	638.70	640.60
31	645.71		646.26		644.21		643.92	639.96		638.80		641.10

Daily lowest water level, above msl, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	641.70	641.20	641.40	643.00	642.60	641.20	643.90	641.20	639.40	641.30	637.40	637.50
2	642.20	641.20	641.10	643.60	640.90	641.80	644.10	641.00	641.00	639.60	637.40	638.60
3	641.30	641.20	641.50	642.20	641.60	643.10	644.30	641.20	641.70	639.00	637.90	639.40
4	640.80	641.70	641.90	641.90	643.20	643.70	644.20	641.00	641.80	639.70	638.10	639.00
5	640.80	641.90	642.90	642.00	643.70	642.50	643.00	641.90	641.10	639.30	638.90	638.40
6	640.80	641.60	642.10	641.90	645.00	.....	642.30	642.90	640.50	639.20	638.10	638.70
7	641.40	641.20	642.30	641.10	645.20	.....	641.50	641.30	640.70	639.90	637.90	638.40
8	641.70	641.30	641.60	643.30	644.60	641.50	641.60	640.80	640.40	641.40	638.30	638.50
9	641.60	640.80	642.40	643.50	644.20	641.20	643.10	640.70	641.20	639.30	638.10	638.40
10	641.00	640.90	641.90	643.10	.....	642.60	641.90	640.30	641.60	639.40	638.70	.....
11	640.90	641.60	643.30	642.30	643.00	643.60	641.30	641.10	640.40	639.10	638.70	.....
12	641.30	642.00	643.60	642.20	643.30	642.20	641.10	641.90	639.70	639.70	639.60	638.30
13	641.40	641.50	642.60	642.10	643.90	641.80	641.50	641.80	640.00	639.50	638.10	637.90
14	641.20	640.90	642.30	642.40	644.80	642.30	642.00	640.80	639.60	640.60	638.30	638.00
15	641.70	641.20	642.20	643.40	643.40	641.70	642.80	640.40	639.60	641.00	638.40	637.51
16	640.20	641.40	641.80	643.80	642.50	641.60	642.90	640.00	640.90	639.10	638.20	637.60
17	640.70	641.70	642.40	642.80	642.70	643.20	641.70	640.90	641.40	638.60	638.00	638.13
18	641.20	642.20	642.40	642.00	642.80	643.80	641.30	641.10	640.20	638.60	638.30	638.48
19	641.10	642.20	642.80	642.40	642.70	643.30	641.30	642.00	639.00	638.10	639.10	637.89
20	641.20	641.70	642.30	641.90	643.90	642.40	641.20	642.50	639.00	638.50	638.20	637.88
21	641.80	641.70	641.90	642.50	644.30	642.00	640.90	642.00	639.40	639.50	638.30	637.66
22	642.20	641.40	642.20	643.80	643.30	642.20	642.10	641.00	640.00	638.70	638.30	638.04
23	641.60	641.30	641.60	644.10	640.50	642.40	643.00	640.70	641.20	638.40	638.00	637.90
24	642.20	640.90	642.90	643.10	642.00	642.90	641.60	641.10	641.40	638.50	638.10	638.83
25	641.60	641.70	643.90	642.70	642.30	644.20	641.20	640.50	640.40	638.30	638.30	638.40
26	.....	641.80	643.60	641.90	643.00	642.60	641.40	640.90	639.50	638.30	639.40	638.19
27	640.80	641.70	642.30	642.40	643.30	642.80	641.20	640.80	639.70	638.00	637.60	638.21
28	642.00	641.60	641.70	642.00	644.40	642.40	641.50	639.70	639.60	638.50	637.50	637.93
29	.....		641.60	642.90	643.10	642.90	642.70	640.30	640.00	638.90	638.00	638.33
30	641.50		641.00	643.70	644.20	642.80	643.00	640.20	641.00	637.80	637.90	638.33
31	640.50		641.70		642.20		641.70	639.30		637.70		638.88

ANL 10--Continued.

Daily lowest water level, above msl, from recorder graph, 1951

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	638.64	.....	637.98	640.49	640.22	638.67	639.11	637.78	636.93	640.54	637.06	.....
2	638.63	637.58	637.98	639.49	639.79	639.36	638.46	637.80	638.00	638.79	637.10	.....
3	638.25	638.27	639.03	639.19	640.05	639.40	638.24	637.73	638.91	.....	.....	.....
4	638.55	638.67	639.60	638.78	639.55	639.09	639.39	638.42	638.74	.....	.....	637.61
5	638.39	638.31	639.18	638.50	640.93	639.69	638.45	639.76	638.45	637.40	.....	638.06
6	638.54	637.30	639.17	637.71	641.22	639.11	637.94	639.20	638.81	637.36	.....	637.59
7	638.77	638.54	638.68	637.71	641.76	638.96	638.37	638.80	637.26	638.14	.....	637.46
8	639.15	637.87	638.68	.....	641.67	639.07	639.40	638.68	637.42	638.29	.....	637.49
9	638.74	637.78	638.34	.....	640.61	638.61	639.09	638.93	637.98	638.17	637.20	638.71
10	638.72	638.34	637.68	638.00	639.91	639.03	638.81	637.91	638.60	638.59	637.59	638.00
11	638.63	639.02	639.16	638.08	640.22	638.85	638.68	638.01	638.14	638.50	637.44	637.59
12	638.70	638.28	639.75	638.31	640.19	638.99	638.49	638.40	637.94	638.07	.....	637.49
13	638.39	637.61	639.43	637.49	641.94	639.50	638.24	638.74	637.68	638.22	.....	637.14
14	639.39	637.70	638.79	637.53	640.24	639.20	638.30	638.28	636.72	638.73	.....	637.01
15	636.85	637.63	638.85	637.53	638.89	638.81	638.62	638.53	636.71	639.24	637.07	637.13
16	638.42	638.00	638.92	637.54	639.70	639.19	638.53	638.12	637.65	638.04	636.95	636.25
17	637.66	638.10	639.30	637.55	639.19	638.45	638.11	637.90	637.50	637.72	637.33	636.60
18	637.57	638.63	640.60	637.88	639.39	638.49	638.11	637.90	637.68	638.04	638.30	636.90
19	637.97	638.50	640.67	637.70	640.61	639.10	638.33	638.58	637.54	637.80	637.94	636.69
20	638.40	638.06	640.00	637.52	640.60	639.12	637.85	638.87	637.33	637.53	637.32	.....
21	638.62	637.61	639.18	637.89	639.33	639.22	638.05	638.39	636.61	638.34	637.29	.....
22	638.37	637.60	639.25	.....	640.53	638.39	638.43	638.10	636.55	638.44	638.12	.....
23	638.19	637.88	639.38	.....	638.70	638.75	638.86	637.74	636.67	638.32	.....	.....
24	638.58	638.17	639.90	638.70	639.85	640.05	638.50	636.96	637.15	637.88	636.72	.....
25	637.84	639.26	640.81	638.09	639.58	639.59	638.14	638.13	636.84	638.21	637.54	.....
26	638.11	638.50	639.92	637.64	640.34	639.07	637.45	639.10	639.39	637.33	.....	.....
27	638.34	638.06	639.40	637.82	640.70	638.18	637.34	638.91	643.07	637.29	636.27	.....
28	638.40	638.27	639.20	638.00	640.60	638.49	637.40	638.49	644.06	638.22	.....	637.28
29	638.39		638.70	640.36	640.47	638.01	638.42	638.40	644.49	638.00	637.55	636.56
30	.....		639.33	641.60	640.19	638.02	638.49	637.90	644.89	637.47	636.36	637.56
31	.....		639.50		639.67		638.08	636.96		637.05		637.24

Daily lowest water level, above msl, from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	636.78	637.88	637.66	637.52	637.60	637.53	635.19	635.20	635.45	641.20	635.19	635.45
2	.....	638.01	637.73	637.42	636.45	637.20	635.52	635.48	635.40	642.20	635.68	634.88
3	.....	638.60	637.70	637.28	636.58	636.65	635.47	635.51	635.33	642.26	635.17	634.84
4	637.45	638.12	636.93	637.28	638.02	636.60	635.79	635.18	635.15	642.62	635.23	634.50
5	636.98	637.50	636.82	637.40	637.00	636.95	636.08	635.04	635.14	642.64	635.47	634.50
6	637.79	637.56	636.70	638.24	636.54	635.36	636.14	635.21	635.15	642.60	635.25	634.72
7	638.04	637.56	636.60	.....	637.06	635.35	635.99	634.61	635.12	642.05	635.34	635.63
8	637.73	637.75	636.79	.....	637.54	637.13	635.78	634.90	635.09	638.50	636.14	634.92
9	637.37	638.31	637.22	.....	637.90	635.36	635.99	635.42	634.98	637.27	636.36	635.19
10	636.80	638.56	637.85	.....	638.12	635.27	635.49	635.32	634.57	637.18	635.92	634.97
11	636.78	638.21	636.28	.....	638.10	635.67	635.31	635.29	634.40	636.43	635.42	634.77
12	.....	637.65	636.27	637.05	637.62	635.40	635.48	635.00	634.44	637.64	635.38	634.67
13	.....	637.07	637.03	639.27	637.61	635.20	635.60	634.98	634.39	636.33	635.42	634.80
14	.....	636.50	636.39	638.03	637.70	635.69	635.13	634.96	634.18	635.95	635.33	635.77
15	.....	636.46	636.93	636.50	637.48	636.14	634.90	634.58	634.47	635.96	635.47	635.34
16	.....	637.30	638.32	636.72	637.04	635.37	635.11	634.64	634.70	635.94	635.71	635.14
17	.....	638.10	638.54	636.20	636.96	634.96	634.83	635.34	634.74	.....	636.23	635.11
18	637.39	637.65	638.28	637.01	637.85	635.07	634.79	634.95	634.49	.....	635.17	634.97
19	637.62	637.51	638.07	637.14	636.98	635.00	635.07	634.60	634.68	.....	635.16	634.92
20	.....	637.43	637.55	638.98	637.18	635.04	635.49	634.80	635.30	.....	635.07	635.60
21	.....	636.79	637.13	638.36	637.07	636.13	634.74	634.46	635.70	635.64	634.92	635.93
22	637.90	636.48	637.35	637.62	636.99	636.27	634.52	634.53	635.25	635.68	635.54	635.48
23	637.13	637.16	639.40	637.79	636.73	635.63	634.53	635.38	634.43	635.75	635.93	634.57
24	637.15	637.20	638.75	637.60	637.05	635.66	634.48	635.48	634.39	635.00	635.32	634.54
25	637.70	637.02	637.80	637.59	637.59	635.25	634.83	634.87	636.73	635.24	635.44	635.55
26	637.62	636.98	637.40	637.75	637.49	634.98	635.09	635.18	637.72	636.29	635.31	635.80
27	637.99	636.77	637.42	638.71	636.67	635.16	635.22	634.92	638.92	635.32	635.90	635.98
28	638.22	636.78	637.67	637.80	636.51	636.04	634.59	634.53	640.86	635.30	636.05	636.00
29	637.10	637.15	637.27	637.49	636.54	635.67	634.60	634.60	641.61	635.26	636.24	635.43
30	637.00		637.29	637.46	637.25	635.17	634.88	634.64	640.68	635.34	636.20	635.05
31	637.45		637.99		637.55		634.87	635.50		635.20		635.02

ANL 10--Continued.

Daily lowest water level, above msl, from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	635.71	635.08	634.78	634.79	633.50	634.68	632.93	637.70	632.70	632.93	634.53	634.14
2	635.85	634.73	634.06	634.62	635.61	633.92	632.98	636.65	632.53	632.66	634.68	633.73
3	635.81	634.66	634.23	635.27	638.22	633.87	633.77	635.25	632.85	633.11	633.74	633.77
4	635.89	634.21	634.26	635.30	639.14	634.08	634.14	637.00	632.52	633.15	633.41	633.90
5	635.14	634.20	634.08	635.99	636.53	633.59	634.44	636.02	634.01	633.56	633.37	633.90
6	634.90	634.49	634.00	635.10	635.90	633.95	634.30	636.03	633.86	633.67	633.89	634.75
7	634.80	635.13	634.72	634.70	635.46	635.02	634.50	637.00	633.67	633.72	634.40	634.77
8	634.79	635.36	635.13	634.90	635.31	633.86	634.65	636.70	633.41	634.22	634.69	634.10
9	634.63	634.40	634.79	635.18	635.86	633.42	635.43	636.71	633.42	634.10	633.95	634.10
10	635.17	634.29	634.90	634.90	636.70	633.72	635.10	636.12	633.49	634.12	634.01	634.67
11	635.23	634.35	634.72	635.69	634.68	633.68	635.43	637.20	633.40	634.20	633.80	634.04
12	634.75	634.15	634.60	635.41	634.70	633.03	635.44	637.60	633.60	633.91	633.34	634.69
13	634.27	634.17	633.97	634.68	634.64	633.13	635.39	637.57	634.51	634.00	633.95	634.05
14	634.20	634.60	634.35	634.03	634.83	635.51	636.65	637.93	634.22	634.00	634.55	635.13
15	633.97	634.97	635.40	634.57	634.25	634.53	636.80	637.85	634.17	633.27	634.75	634.97
16	633.88	634.50	634.00	634.54	634.56	633.87	636.87	636.86	633.84	633.52	634.33	633.90
17	634.93	633.98	634.07	633.92	636.12	633.78	636.30	636.75	634.00	633.51	634.32	634.70
18	635.38	633.87	634.33	633.86	635.07	633.61	635.98	636.15	633.63	634.49	634.21	634.95
19	634.72	633.96	634.43	635.82	634.46	633.36	635.60	635.27	633.92	633.40	634.17	.....
20	634.58	634.00	634.28	634.85	634.64	633.74	636.82	634.78	634.83	633.11	634.24	.....
21	634.27	634.35	634.70	634.57	633.67	634.33	636.17	634.41	633.93	633.31	634.80	635.07
22	634.17	634.90	635.42	634.00	634.02	633.59	637.00	634.91	633.83	632.82	634.88	634.09
23	634.36	633.84	634.59	633.50	634.64	633.61	636.77	634.47	633.77	632.95	635.02	633.90
24	635.15	634.00	634.43	633.80	635.15	633.52	635.86	634.04	633.62	633.92	634.40	634.72
25	634.70	634.37	634.57	635.59	633.60	633.06	635.46	633.50	633.72	634.15	634.05	634.95
26	633.88	634.04	634.51	635.92	633.10	632.95	635.35	633.46	632.99	634.31	634.88	635.11
27	633.88	633.89	634.57	634.66	633.10	633.27	636.40	634.47	634.38	633.56	634.95	635.30
28	634.05	634.90	635.61	634.44	633.89	633.88	636.56	632.91	633.40	633.61	634.90	635.40
29	633.88		635.92	634.33	633.85	633.20	637.11	632.90	633.26	633.56	635.07	634.48
30	633.92		635.49	633.96	634.16	633.19	637.05	633.60	632.86	633.50	635.12	634.19
31	635.00		634.90		634.83		637.16	632.85		634.20		634.13

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 638.85 above msl, Oct. 22, 1953. Records available: 1948-53.

Daily lowest water level, above msl, from recorder graph, 1948

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 23	647.22	Nov. 30	647.17	Dec. 8	646.97	Dec. 17	646.97
24	647.29	Dec. 2	646.96	9	646.54	18	646.97
25	647.34	3	646.41	10	646.57	19	647.12
26	647.13	4	646.38	13	646.98	20	647.28
27	647.03	5	646.83	14	646.98	21	647.03
28	647.04	6	646.93	15	647.15	28	647.10
29	647.20	7	647.17	16	647.00		

Daily lowest water level, above msl, from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	646.96	647.39	.....	647.38	647.21	646.26	645.79	.....	643.97	643.28	643.16	642.50
2	647.08	647.35	.....	647.38	647.21	646.29	645.84	.....	643.96	643.85	643.09	642.37
3	647.04	647.26	.....	647.55	647.26	646.33	645.19	.....	644.22	643.68	643.06	642.78
4	647.03	.....	.....	647.41	646.78	646.51	646.32	.....	644.75	643.39	642.76	642.85
5	647.11	.....	647.16	647.41	646.88	646.65	.....	644.15	644.75	643.19	642.86	642.40
6	647.11	.....	647.31	647.59	646.65	646.44	.....	.....	.....	643.77	643.22	642.77
7	647.18	647.36	647.20	647.69	646.76	646.37	645.89	.....	.....	643.32	643.23	642.95
8	647.18	647.25	647.20	647.64	647.15	.....	645.89	644.41	.....	643.64	642.94	643.14
9	647.13	646.96	647.27	647.54	646.92	.....	645.91	643.54	643.63	643.56	643.10	643.22
10	646.96	646.98	646.98	647.60	646.67	.....	646.28	643.67	.....	643.48	643.26	643.52
11	646.96	646.99	646.99	647.70	646.61	645.98	646.40	643.71	.....	643.08	643.32	643.28
12	647.00	646.99	646.91	647.60	645.91	646.15	.....	643.88	.....	643.16	643.37	642.92
13	647.13	646.99	646.92	647.55	646.27	646.26	.....	644.07	644.68	642.93	643.69	642.97
14	647.15	647.16	646.62	647.56	646.43	646.26	.....	644.80	644.56	643.11	643.28	642.70
15	647.05	647.41	646.62	647.57	646.83	646.41	.....	643.75	643.68	643.36	643.02	642.70

ANL 11--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	647.13	647.28	646.65	647.56	646.58	646.41	.....	643.89	.....	643.84	642.94	642.95
17	647.05	647.27	647.04	647.62	645.42	646.48	.....	643.69	.....	643.46	642.94	643.40
18	647.04	647.18	646.95	647.57	645.93	646.51	.....	644.21	.....	643.08	642.81	643.75
19	647.06	646.92	.....	647.56	646.40	646.63	643.95	644.48	644.87	643.88	643.59	643.45
20	647.06	647.11	646.95	647.45	645.64	646.47	644.25	644.68	643.41	643.12	643.22	643.38
21	647.07	.....	646.97	647.51	645.67	646.47	645.06	645.19	643.26	643.29	642.77	643.62
22	647.13	.....	647.21	647.38	.....	.....	644.94	644.49	643.28	643.45	642.84	643.41
23	647.16	647.07	647.07	647.45	.....	.....	645.07	.....	643.12	643.78	642.88	643.33
24	647.23	647.07	.....	.....	645.87	.....	645.28	.....	643.71	643.45	643.82	643.67
25	647.23	647.17	.....	.....	646.40	.....	.....	.....	644.43	643.18	643.14	644.11
26	647.26	647.28	646.82	.....	644.43	.....	644.66	.....	643.38	642.89	643.48	644.46
27	647.42	647.31	647.19	647.09	643.24	.....	644.72	643.98	643.14	642.74	643.34	644.19
28	647.53	647.19	647.12	647.13	645.40	645.92	644.15	644.75	643.20	642.77	643.23	644.00
29	647.46		647.20	646.98	646.37	.....	644.21	644.21	643.45	643.06	642.96	644.08
30	647.46		647.28	646.97	646.67	.....	644.54	644.00	643.28	643.52	642.72	644.38
31	647.59		647.53		646.52		645.70	644.04		642.90		644.86

Daily lowest water level, above msl, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	644.86	644.83	645.29	646.73	647.12	646.24	647.53	.....	.....	645.17	642.51	.....
2	645.20	644.01	645.07	647.14	646.04	646.60	647.90	.....	645.04	644.43	642.44	.....
3	644.85	644.75	645.26	646.71	646.38	647.24	647.92	.....	.....	644.01	642.62	.....
4	644.39	644.97	645.59	646.42	647.06	647.64	647.94	645.76	.....	644.25	642.72	.....
5	644.29	645.29	646.20	646.36	647.62	647.14	647.25	646.06	645.28	644.17	643.30	642.63
6	644.35	645.11	645.90	646.37	648.17	646.36	646.83	646.58	.....	644.10	642.76	642.63
7	644.55	644.79	646.12	646.16	648.27	646.29	646.54	645.92	645.06	644.22	642.82	642.74
8	644.84	.....	645.90	646.99	647.99	646.33	646.26	645.60	644.90	645.03	642.90	642.73
9	645.00	.....	645.91	647.38	647.91	646.30	646.83	645.47	645.30	644.27	643.03	642.62
10	644.65	644.80	645.94	647.37	.....	646.94	646.49	645.37	645.62	644.24	643.02	642.62
11	644.38	.....	646.62	646.72	647.21	647.41	646.22	645.66	645.10	644.07	.....	642.83
12	.....	645.35	646.86	646.52	647.44	646.81	.....	646.08	644.67	644.09	.....	642.82
13	644.92	645.27	646.43	646.44	647.66	646.43	.....	646.17	644.56	644.09	.....	642.39
14	.....	644.87	646.20	646.66	648.20	646.48	.....	645.79	644.48	644.62	.....	642.39
15	.....	645.03	646.09	647.15	647.52	646.29	646.72	.....	644.27	644.85	.....	642.16
16	.....	645.15	645.91	647.46	646.92	646.23	646.97	.....	644.79	644.10	.....	642.16
17	644.66	645.23	646.25	647.12	647.08	646.83	646.53	.....	645.26	643.60	.....	642.50
18	.....	645.65	646.25	646.74	647.01	647.34	646.08	645.49	644.82	643.53	.....	642.59
19	.....	645.60	646.43	646.68	647.10	647.29	646.17	645.94	644.23	643.29	.....	642.39
20	644.66	645.41	646.31	646.51	647.63	.....	645.97	646.20	643.97	643.36	.....	642.38
21	645.04	645.58	646.20	646.75	647.97	.....	645.78	646.00	644.23	643.82	.....	.....
22	645.38	645.34	646.15	647.43	647.41	646.76	646.32	645.62	644.43	643.79	.....	642.41
23	645.01	645.29	645.98	647.76	646.04	646.92	646.92	645.40	645.05	643.36	.....	642.42
24	645.24	645.06	646.13	647.38	646.35	647.16	646.36	645.32	645.23	643.39	.....	642.74
25	645.10	645.40	646.50	647.16	646.62	647.75	646.05	645.05	644.85	643.22	.....	642.96
26	644.52	645.49	647.00	646.72	646.77	647.14	.....	645.47	644.40	643.24	.....	642.89
27	644.72	645.45	646.79	646.76	647.13	647.05	.....	645.36	644.34	643.06	.....	642.62
28	645.30	645.47	646.21	646.63	647.70	647.00	646.10	644.91	644.19	643.27	.....	642.62
29	645.82		645.83	647.22	647.09	647.11	.....	644.93	644.46	643.38	.....	642.42
30	645.15		645.58	647.74	647.52	647.09	.....	644.99	644.85	642.92	.....	642.42
31	.....		646.02		646.68		.....	644.59		642.75		.....

Daily lowest water level, above msl, from recorder graph, 1951

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	642.45	642.90	644.77	645.24	644.62	644.02	643.22	642.90	645.59	642.68	642.50
2	.....	642.44	642.89	644.69	644.93	644.68	643.74	643.21	643.23	643.98	642.68	642.78
3	.....	642.50	643.47	644.51	645.11	644.78	643.64	643.27	643.75	643.59	642.88	642.73
4	.....	642.83	643.81	644.24	644.78	644.47	644.01	643.26	643.76	643.34	642.59	643.07
5	642.80	642.87	643.83	644.12	644.98	644.56	643.74	643.88	643.59	642.94	642.46	643.13
6	642.81	642.65	643.82	643.64	645.23	644.53	643.52	644.25	643.63	642.89	642.52	643.19
7	643.03	642.66	643.64	643.64	645.32	644.45	643.50	643.97	642.80	643.32	642.66	642.93
8	643.36	642.39	643.51	644.30	645.33	644.50	643.89	643.92	642.80	643.49	642.59	642.91
9	643.12	642.39	.....	644.32	645.20	644.35	644.23	643.86	643.30	643.40	642.77	643.54
10	643.12	642.46	.....	643.82	644.90	644.35	644.03	643.44	643.62	643.59	642.79	643.52
11	643.02	642.98	.....	643.82	644.87	644.31	643.94	643.44	643.29	643.57	643.30	643.18
12	643.02	.....	.....	644.10	645.09	644.31	643.85	643.49	643.19	643.35	643.32	643.12
13	642.93	642.69	644.00	643.59	645.97	644.42	643.69	644.10	642.95	643.33	643.33	642.73
14	643.15	642.70	643.84	643.58	645.33	644.34	643.69	643.67	642.51	643.46	643.34	642.73
15	643.25	642.73	.....	643.45	644.65	644.34	643.84	643.73	642.48	643.71	642.84	642.79

ANL 11--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	643.25	642.75	643.76	643.45	645.02	644.40	643.90	643.59	642.63	643.47	642.64	643.21
17	642.72	642.72	643.78	643.45	644.90	644.50	643.61	642.38	642.82	643.18	642.67	643.44
18	642.72	642.80	644.45	643.72	644.86	644.21	643.61	643.43	642.82	643.23	643.01	642.43
19	642.72	643.09	644.81	643.58	645.23	644.22	643.67	643.46	642.77	643.29	643.30	642.37
20	642.75	643.08	644.49	643.41	645.01	644.22	643.47	644.04	642.74	643.09	642.99	642.74
21	642.85	642.62	644.08	643.41	644.94	644.21	643.45	643.65	642.73	643.48	642.99	642.73
22	643.06	642.62	644.08	644.58	645.36	643.93	643.63	643.44	642.35	643.47	643.18	642.79
23	642.85	642.61	644.19	644.52	644.67	643.93	643.92	643.29	642.35	643.39	643.43	643.01
24	642.85	642.61	644.36	.....	644.86	644.76	643.83	642.87	642.58	643.17	642.75	642.66
25	642.74	.....	644.19	.....	644.99	644.52	643.57	643.54	642.43	643.18	642.83	643.05
26	642.74	.....	644.67	.....	644.98	644.32	643.20	643.78	643.25	642.94	642.71	642.21
27	642.75	642.83	644.34	643.41	645.67	643.73	643.20	644.03	645.22	642.89	642.47	642.22
28	642.75	642.83	644.27	643.52	645.53	643.74	643.19	643.74	645.95	643.41	642.71	642.94
29	642.67		644.12	644.84	645.38	643.54	643.40	643.69	646.26	643.36	643.06	642.67
30	642.67		644.26	645.42	645.20	643.54	643.71	643.51	646.67	643.06	642.50	642.78
31	.....		644.44		645.18		643.50	642.93		642.72		642.97

Daily lowest water level, above msl, from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	642.59	643.37	643.05	643.55	642.51	643.20	640.75	640.66	640.85	643.61	640.46	640.60
2	642.73	643.53	643.06	643.46	643.00	643.10	640.59	640.79	640.83	643.91	640.63	640.21
3	642.37	.....	643.37	643.34	643.00	642.66	640.62	640.82	640.77	644.18	640.36	640.15
4	642.83	.....	642.67	643.31	643.72	642.55	640.72	640.75	640.59	644.53	640.36	640.07
5	642.87	643.39	642.55	643.36	643.19	642.93	641.35	640.64	640.57	644.63	640.53	639.99
6	643.08	643.28	642.35	643.71	642.78	642.05	641.53	640.59	640.58	644.62	640.45	639.99
7	643.45	643.28	642.32	643.36	642.88	642.04	641.55	640.59	640.92	644.52	640.44	640.44
8	643.32	643.41	642.41	642.86	643.23	642.49	641.40	640.76	640.61	643.03	640.70	640.30
9	643.04	643.61	642.69	642.85	643.45	641.99	641.40	640.83	640.55	641.81	640.86	640.29
10	642.69	643.78	643.51	642.49	643.59	641.92	641.29	640.70	640.41	641.83	640.74	640.18
11	642.69	643.78	642.38	642.23	643.61	641.97	641.14	640.67	640.20	641.51	640.51	640.13
12	642.70	643.43	642.37	642.65	643.42	642.91	641.11	640.68	640.26	641.52	640.47	640.01
13	643.48	643.09	642.84	644.02	643.39	641.81	641.18	640.44	640.21	641.25	640.47	640.01
14	643.71	642.75	642.68	643.89	643.37	641.91	641.11	640.45	640.15	640.94	640.47	640.41
15	642.97	642.70	.....	643.01	643.22	642.28	640.91	640.53	640.28	640.94	640.50	640.33
16	642.83	642.78	.....	642.93	642.92	641.91	640.91	640.55	640.28	640.87	640.69	640.28
17	642.91	643.30	643.62	643.45	642.84	641.68	640.76	640.75	640.40	640.69	640.82	640.19
18	643.03	643.20	643.60	643.24	643.22	641.63	640.63	640.56	640.25	640.61	640.43	640.02
19	643.13	643.13	643.47	643.25	642.95	641.52	640.80	640.56	640.21	641.23	640.42	640.01
20	643.77	643.07	643.25	644.20	642.96	641.52	640.97	640.51	640.23	640.82	640.28	640.36
21	643.77	642.63	643.13	644.09	642.85	642.07	640.63	640.35	640.56	640.74	640.23	.....
22	643.91	642.53	643.14	643.62	642.79	642.06	640.51	640.38	640.49	640.85	640.36	640.65
23	643.02	642.73	.....	643.63	642.79	641.80	640.43	640.46	640.07	640.90	640.71	640.17
24	643.00	643.43	.....	643.55	642.91	641.72	640.41	640.80	640.00	640.51	640.46	640.16
25	643.31	642.94	643.62	643.55	643.19	641.51	640.58	640.56	640.93	640.49	640.47	640.39
26	643.47	642.94	643.32	643.56	643.19	641.19	640.65	640.56	641.25	640.47	640.54	640.55
27	643.47	642.79	.....	643.91	642.78	641.19	640.75	640.55	642.03	640.63	640.61	640.62
28	643.88	642.79	.....	643.74	642.66	641.36	640.49	640.41	642.46	640.59	640.67	640.62
29	643.13	642.97	643.31	643.44	642.62	641.23	640.48	640.41	643.64	640.43	640.69	640.85
30	642.99		643.31	643.40	643.03	641.14	640.61	640.41	643.59	640.46	640.75	.....
31	643.11		643.86		643.08		640.57	640.89		640.48		640.52

Daily lowest water level, above msl, from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	640.52	640.18	640.20	640.46	640.02	640.27	639.71	641.95	639.22	638.99	639.53	639.52
2	640.51	640.15	639.92	640.35	640.47	640.10	639.74	641.73	639.15	638.92	639.67	639.31
3	640.72	640.05	639.92	640.73	641.80	640.01	639.82	641.46	639.18	638.98	639.20	639.32
4	640.71	639.87	639.97	640.87	642.46	640.10	639.95	641.73	639.08	639.05	639.03	639.38
5	640.36	639.91	639.75	641.06	641.93	639.97	640.11	641.39	639.23	639.32	638.91	639.36
6	640.21	640.03	639.59	640.93	641.38	639.97	640.10	641.39	639.53	639.19	638.99	639.73
7	640.11	640.18	639.73	640.61	641.12	640.39	640.13	641.90	639.39	639.19	639.36	639.73
8	640.12	640.33	640.08	640.60	641.00	640.19	640.22	641.77	639.27	639.55	639.59	639.49
9	640.12	639.92	640.12	640.88	641.01	639.82	640.34	641.71	639.23	639.51	639.35	639.49
10	640.32	639.85	640.17	640.71	641.51	639.87	640.51	641.45	639.28	639.52	639.35	639.71
11	640.35	639.95	640.09	640.86	640.97	639.89	640.60	641.81	639.52	639.61	639.25	639.40
12	640.35	639.91	640.09	640.95	640.97	639.80	640.63	641.99	639.54	639.39	639.01	639.51
13	639.99	639.87	639.92	640.57	640.98	639.79	640.60	642.10	639.63	639.39	639.08	639.86
14	639.95	640.13	639.92	640.31	641.05	640.85	641.04	642.23	639.88	639.45	639.41	639.97
15	639.79	640.17	640.58	640.32	640.45	640.69	641.24	642.20	639.82	639.14	639.66	639.83

ANL 11--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	639.85	640.01	639.97	640.45	640.45	640.34	641.26	641.75	639.65	639.14	639.64	.....
17	640.03	639.71	639.97	640.16	641.13	640.29	641.39	641.67	639.77	639.20	639.63	.....
18	640.62	639.64	640.27	640.14	640.87	640.32	641.29	641.32	639.64	639.52	639.53	639.15
19	640.39	639.64	640.27	640.81	640.55	640.15	641.08	640.80	639.66	639.15	639.49	639.47
20	640.20	639.88	640.14	640.68	640.55	640.20	641.51	640.50	640.07	638.97	639.50	639.71
21	640.05	639.95	640.26	640.51	640.04	640.43	641.37	640.34	639.60	638.97	639.66	639.93
22	639.97	639.95	640.74	640.31	640.04	640.18	641.57	640.31	639.47	638.85	639.77	639.37
23	639.99	639.65	640.40	639.87	640.29	640.09	641.69	640.33	639.44	638.85	639.97	.....
24	640.36	639.65	640.30	639.87	640.82	640.18	641.24	640.18	639.48	639.29	639.79	.....
25	640.27	639.87	640.25	640.78	640.01	639.82	640.98	639.80	639.36	639.47	639.61	640.01
26	639.90	640.02	640.20	640.98	639.53	639.64	640.93	639.77	639.26	639.57	639.79	640.08
27	639.89	639.85	640.26	640.52	639.49	639.67	641.38	639.69	639.84	639.38	639.81	640.19
28	639.87	639.97	640.66	640.34	639.77	640.11	641.44	639.54	639.54	639.37	639.72	640.28
29	639.71		640.91	640.31	640.07	639.79	641.70	639.53	639.38	639.25	639.78	639.89
30	639.71		640.84	640.29	640.08	639.75	641.73	639.84	638.99	639.11	639.91	639.65
31	640.08		640.65		640.45		641.73	639.37		639.28		639.57

ANL 13. Argonne National Laboratory. NW¼SE¼ sec. 9, T. 37 N., R. 11 E. Drilled observation well in Niagara dolomite, diameter 4 inches, depth 141 feet, cased to 86. Land-surface datum is 745 feet above msl. Highest water level 642.58 above msl, May 15, 1950; lowest 637.18 above msl, Nov. 5, 1953. Records available: 1948-53.

Daily lowest water level, above msl, from recorder graph, 1948

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 23	641.27	Dec. 1	640.72	Dec. 9	640.28	Dec. 22	639.79
24	641.34	2	640.79	10	640.24	23	639.77
25	641.42	3	640.60	11	640.43	24	639.75
26	641.21	5	641.07	12	640.55	25	639.44
27	640.89	6	640.53	13	640.29	26	639.44
28	640.89	7	640.83	14	640.31	27	639.60
29	640.90	8	640.55	21	640.06	28	639.86
30	640.80						

Daily lowest water level, above msl, from recorder graph, 1949

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	639.99	640.45	640.93	640.67	640.17	639.39	639.13	638.32	638.05	638.45	637.94
2	.....	639.93	640.15	640.92	640.57	640.17	639.64	638.28	638.29	638.52	638.29	637.77
3	.....	640.18	640.12	641.02	640.46	640.17	639.89	638.81	638.65	638.48	638.28	638.20
4	.....	640.21	640.21	641.01	640.16	640.18	639.92	637.98	639.12	638.08	.....	.....
5	639.83	640.21	640.42	641.06	640.25	640.30	639.64	638.12	639.04	638.01	.....	637.86
6	639.82	640.33	640.17	641.28	640.12	640.23	639.66	.....	638.37	638.73	638.40	638.20
7	639.77	640.41	640.13	641.26	640.20	.....	639.68	.....	638.31	638.16	638.54	637.99
8	639.74	640.32	640.29	641.00	640.41	639.80	639.68	.....	638.20	638.44	638.31	638.04
9	639.32	640.13	640.37	640.90	640.28	639.83	639.70	638.07	638.12	638.28	.....	638.20
10	639.18	640.12	640.17	640.90	640.03	639.67	640.00	638.02	638.53	638.53	638.61	.....
11	639.21	640.12	640.17	641.03	640.00	639.85	640.05	638.04	638.62	638.22	638.60	.....
12	639.62	640.38	640.10	641.09	639.28	639.93	639.93	638.40	638.41	638.22	638.66	.....
13	.....	640.30	640.10	641.09	639.91	640.05	639.65	638.47	638.22	637.96	638.92	638.04
14	639.81	640.34	639.99	641.10	640.10	640.05	639.82	639.10	638.11	638.07	638.60	638.10
15	639.81	.....	639.94	640.92	640.23	640.08	639.76	638.29	638.28	638.32	638.26	637.99
16	639.72	640.28	640.75	640.83	640.13	640.08	639.72	638.33	638.21	638.71	638.12	638.20
17	639.67	640.26	640.75	640.96	639.08	640.20	640.03	638.12	.....	638.45	638.14	638.56
18	639.70	.....	640.53	640.83	639.90	640.20	639.89	638.63	.....	638.11	638.00	638.79
19	639.50	.....	640.46	640.64	640.17	640.20	638.34	638.86	638.46	638.07	638.83	638.52
20	639.51	640.35	640.50	640.65	649.58	640.11	638.63	639.15	638.12	638.28	638.30	.....
21	639.88	.....	640.82	640.75	639.63	640.21	639.26	639.38	638.04	638.42	637.88	.....
22	639.76	.....	640.85	640.77	640.28	639.99	639.00	638.83	638.15	638.44	638.27	.....
23	639.83	.....	640.69	640.82	640.23	640.11	639.25	638.76	637.88	638.68	638.20	638.37
24	639.94	640.60	639.47	640.54	639.57	639.77	639.25	638.36	638.33	638.36	639.08	638.62
25	639.90	640.41	640.65	640.59	640.14	639.70	638.98	637.99	638.96	638.36	638.37	639.03
26	639.93	640.41	640.68	640.67	639.59	639.25	638.93	638.43	638.14	638.02	638.84	639.32
27	639.95	640.71	641.05	640.47	637.78	639.48	638.72	638.73	638.07	638.03	638.57	639.07
28	640.07	640.49	640.81	640.46	639.42	639.63	638.50	639.27	638.04	638.09	638.62	.....
29	639.84	640.45	640.81	640.46	639.94	639.60	638.50	638.70	638.17	638.35	638.33	.....
30	639.84		640.86	640.47	640.16	639.52	638.93	638.44	637.94	638.64	638.11	639.00
31	640.20		641.20		640.21		639.78	638.56		638.09		639.23

ANL 13--Continued.

Daily lowest water level, above msl, from recorder graph, 1950

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	639.23	639.62	639.97	640.83	640.83	640.16	641.26	640.27	639.38	640.05	638.14	638.05
2	639.93	639.54	639.70	641.05	640.17	640.53	641.52	640.03	639.86	639.45	637.95	638.43
3	640.01	639.54	639.91	640.61	640.46	641.02	641.58	.....	640.26	639.18	638.13	638.68
4	.....	639.71	640.16	640.28	641.08	641.29	641.57	639.97	640.25	639.36	638.23	638.39
5	.....	639.94	640.78	640.14	641.63	640.90	640.93	640.26	639.87	639.29	638.70	638.18
6	639.48	639.86	640.53	640.14	641.94	640.26	640.54	640.74	639.64	639.22	638.21	638.18
7	.....	639.51	640.70	640.02	641.78	640.23	640.37	640.16	639.79	639.42	638.21	638.46
8	.....	639.78	640.21	640.72	641.64	640.32	640.28	639.92	639.76	639.97	638.35	638.34
9	640.01	639.40	640.21	640.93	641.69	.....	640.91	639.88	640.09	639.31	638.24	638.33
10	639.53	639.60	640.24	641.10	.....	.....	640.44	639.72	640.38	639.33	638.29	638.33
11	639.31	639.74	641.01	640.52	640.99	.....	640.29	639.88	639.86	639.21	638.28	638.52
12	639.69	639.89	640.98	640.40	641.26	.....	640.23	640.23	639.55	639.20	638.61	638.44
13	639.98	639.95	640.60	640.33	641.50	640.54	640.22	640.29	639.51	639.19	638.30	638.22
14	639.47	639.76	640.53	640.49	641.93	.....	640.28	639.99	639.43	639.68	638.31	638.22
15	640.09	639.75	640.38	640.86	641.35	640.39	640.71	639.84	639.41	639.69	638.52	637.91
16	639.01	639.77	640.26	641.15	.....	.....	640.90	639.57	639.88	639.15	638.30	637.91
17	639.64	639.84	640.62	640.91	640.15	.....	640.45	639.85	640.03	638.79	638.25	638.10
18	639.52	640.26	640.43	640.58	640.17	.....	640.11	640.01	639.77	638.78	638.33	638.14
19	639.40	640.07	640.56	640.56	640.17	.....	640.31	640.45	639.28	638.66	638.79	638.07
20	639.51	640.00	640.53	640.40	640.42	640.86	640.03	640.63	639.23	638.67	638.24	637.98
21	639.87	640.33	640.39	640.63	640.44	.....	639.98	640.50	639.46	639.03	638.24	637.91
22	640.25	640.12	640.43	641.20	640.15	640.75	640.50	640.13	639.58	638.92	638.40	638.03
23	639.85	640.02	640.17	641.51	639.96	640.81	641.03	639.94	640.03	638.65	638.39	638.07
24	640.23	639.70	640.36	641.17	.....	640.96	640.46	639.94	640.00	638.68	638.19	638.32
25	640.07	639.97	640.59	640.96	640.56	641.48	640.21	639.63	639.70	638.52	638.21	638.43
26	639.25	639.98	641.12	640.52	640.62	640.91	640.27	640.03	639.34	638.60	638.87	638.13
27	.....	640.12	640.97	640.53	640.88	640.79	640.30	639.94	639.38	638.51	638.22	638.05
28	.....	640.17	640.36	640.37	641.45	640.77	640.36	639.62	639.26	638.63	638.10	638.22
29	.....		639.88	640.83	640.91	640.91	640.86	639.70	639.52	638.63	638.18	638.20
30	.....		639.72	641.32	641.40	640.83	641.08	639.73	639.83	638.37	638.18	638.20
31	639.34		640.21		640.49		640.55	639.39		638.32		638.40

Daily lowest water level, above msl, from recorder graph, 1951

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	638.46	638.20	638.83	639.87	640.19	640.01	639.67	638.89	638.65	.....	.....	638.62
2	638.61	638.19	638.75	639.86	639.96	640.05	639.36	638.89	638.84	.....	.....	638.88
3	638.57	638.19	639.26	639.69	640.11	640.12	639.33	638.79	639.13	640.61	.....	638.87
4	638.33	638.52	639.29	639.42	639.96	639.79	639.67	638.78	639.14	640.47	.....	639.09
5	638.25	638.55	639.31	.....	640.12	639.88	639.23	639.23	639.11	640.16	.....	639.18
6	638.32	638.53	639.39	639.17	640.28	639.90	639.17	639.64	639.20	640.09	.....	639.27
7	638.28	638.37	639.26	639.17	640.30	639.96	639.17	639.48	638.56	640.39	.....	638.81
8	638.76	638.20	639.01	639.58	640.51	640.09	639.53	639.41	638.56	640.49	.....	638.78
9	638.71	638.13	638.71	639.73	640.26	639.91	639.66	639.25	638.95	640.46	.....	639.25
10	638.71	638.14	638.71	639.50	640.18	639.91	639.50	639.01	.....	640.58	638.60	639.33
11	638.54	638.67	638.86	639.25	640.16	639.91	639.46	639.01	639.11	640.58	638.60	639.20
12	638.53	638.67	639.23	639.63	640.14	639.91	639.35	639.02	639.06	640.33	638.87	639.01
13	638.43	638.05	639.59	639.15	.....	639.98	639.22	639.39	638.86	640.30	639.20	638.72
14	638.67	638.03	639.36	639.10	640.18	639.86	639.22	639.16	638.69	640.48	638.76	638.73
15	638.73	638.04	639.30	638.84	639.66	639.65	639.49	639.25	638.69	640.74	638.59	638.80
16	638.72	638.17	639.23	.....	640.03	639.67	639.26	639.14	638.89	640.43	638.43	638.90
17	638.49	638.49	639.23	.....	639.95	639.63	639.08	638.88	639.00	640.24	638.43	639.22
18	638.49	638.51	639.78	.....	640.01	639.50	639.08	638.88	639.00	640.31	638.71	638.67
19	638.53	638.74	639.93	.....	640.29	639.58	639.15	638.88	638.95	640.27	638.82	638.61
20	638.55	638.74	639.80	638.73	640.24	639.55	639.05	639.37	638.94	640.21	638.68	639.11
21	638.28	638.39	639.62	638.74	640.18	639.52	639.05	638.99	638.46	640.56	638.75	639.07
22	638.58	638.39	639.50	639.62	640.36	639.46	639.16	638.78	638.28	640.38	638.95	639.09
23	638.57	638.39	.....	639.61	.....	639.46	639.28	638.69	638.28	640.35	639.05	639.02
24	638.57	638.53	639.73	639.43	.....	640.03	639.25	638.54	638.48	640.16	638.51	638.64
25	638.40	639.10	639.90	639.13	640.36	639.84	639.07	638.59	638.35	640.16	638.66	639.01
26	638.40	639.21	639.95	638.83	640.36	639.73	638.86	639.21	638.97	.....	638.53	638.32
27	638.40	638.75	639.79	638.83	640.86	639.41	638.86	639.38	640.24	.....	638.41	638.35
28	638.40	638.75	639.75	639.06	640.59	639.28	638.89	639.13	640.51	.....	638.78	638.19
29	638.23		639.66	639.94	640.43	639.30	639.02	639.13	640.57	.....	638.95	638.99
30	638.23		639.66	640.33	640.29	639.30	639.22	639.08	641.00	.....	638.61	639.08
31	638.35		639.83		640.30		639.10	638.64		.....		638.93

ANL 13--Continued.

Daily lowest water level, above msl, from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	638.55	.....	639.17	639.73	639.85	639.62	638.33	638.22	638.86	640.82	638.45	638.56
2	638.61	639.59	639.17	639.69	639.48	639.63	638.39	638.55	638.78	641.04	638.58	638.35
3	638.36	640.03	639.47	.....	639.48	639.31	638.49	638.60	638.64	641.04	638.23	638.31
4	638.92	639.57	638.81	.....	640.07	639.21	638.51	638.46	638.50	641.42	638.25	638.31
5	638.83	639.43	638.65	639.66	639.67	639.35	638.59	638.30	638.32	641.48	638.63	638.35
6	639.09	639.33	638.65	639.88	639.35	639.06	638.75	638.35	638.59	641.35	638.55	638.35
7	639.29	639.50	638.60	639.47	639.38	639.02	638.79	638.29	638.77	641.26	638.54	638.73
8	639.30	639.57	638.74	639.26	639.79	639.30	638.71	638.29	638.60	640.12	638.65	638.62
9	638.98	639.57	639.16	639.28	639.84	639.01	638.71	638.56	638.55	639.26	638.81	638.60
10	638.59	639.77	639.72	.....	640.04	639.95	638.67	638.57	638.42	639.24	638.68	638.46
11	638.59	639.72	638.75	.....	640.07	638.95	638.51	638.49	638.31	639.09	638.51	638.42
12	638.97	639.53	638.74	639.13	639.79	638.96	638.43	638.35	638.37	639.11	638.48	638.19
13	639.59	639.31	639.03	640.23	639.78	638.88	638.43	638.32	638.37	638.96	638.57	638.20
14	639.98	639.03	638.82	639.81	.....	638.91	638.67	638.33	638.37	638.96	638.59	638.52
15	638.99	639.01	638.88	639.17	.....	639.14	638.42	638.48	638.47	638.96	638.60	638.47
16	638.93	639.22	639.41	639.13	.....	639.09	638.42	638.45	638.47	638.96	638.67	638.44
17	639.29	639.58	639.73	639.58	.....	638.84	638.31	638.41	638.67	638.45	638.77	638.29
18	639.02	639.39	639.89	639.59	.....	638.80	638.37	638.28	638.45	638.43	638.51	638.13
19	639.18	639.37	639.63	639.50	.....	638.71	638.36	638.28	638.33	638.80	638.51	638.13
20	639.42	639.41	639.42	640.19	.....	638.70	638.61	638.29	638.34	638.43	638.35	638.54
21	639.44	638.93	639.27	640.12	.....	639.15	638.46	638.13	638.56	638.42	638.28	638.67
22	639.77	638.82	639.85	639.75	.....	639.15	638.38	638.13	638.54	638.61	638.44	638.70
23	638.95	638.95	640.23	639.77	.....	.....	638.22	638.41	638.19	638.62	638.60	638.31
24	638.90	639.12	640.06	639.73	639.49	.....	638.21	638.66	638.12	638.44	638.43	638.25
25	639.37	639.13	639.67	639.77	639.74	638.80	638.23	638.55	638.81	638.42	638.50	638.44
26	639.39	639.13	639.45	639.83	639.65	638.40	638.31	638.55	639.33	638.70	638.55	638.43
27	639.39	639.21	639.45	640.13	639.35	638.40	638.34	638.59	639.57	638.52	638.50	638.42
28	639.35	639.26	639.62	639.94	639.24	638.57	638.18	638.53	639.94	638.32	638.47	638.43
29	.....	639.23	639.44	639.71	639.22	638.63	638.17	638.53	.....	638.29	638.56	638.65
30	.....		639.47	639.68	639.63	638.33	638.19	638.52	640.80	638.41	638.55	638.38
31	.....		640.12		639.63		638.15	638.93		638.46		638.37

Daily lowest water level, above msl, from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	638.41	637.86	638.01	638.31	638.19	638.14	637.92	639.51	637.68	637.34	637.66	637.78
2	638.57	637.94	638.00	638.19	638.46	638.11	638.01	639.41	637.63	637.33	637.68	637.71
3	638.66	637.96	638.01	638.49	638.03	638.03	638.01	639.26	637.67	637.42	637.46	637.71
4	638.65	637.82	638.03	638.65	639.39	638.18	638.13	639.43	637.60	637.43	637.27	637.68
5	638.29	637.92	637.77	638.68	639.19	638.08	638.28	639.13	637.71	637.61	637.18	637.63
6	638.15	637.91	637.60	638.68	638.92	638.05	638.28	639.13	637.83	637.53	637.19	637.87
7	638.07	637.99	637.62	638.41	638.77	638.26	638.29	639.37	637.70	637.53	637.51	637.87
8	638.23	637.99	638.01	638.41	638.68	638.22	638.31	639.39	637.60	637.75	637.77	637.80
9	638.22	637.66	638.01	638.69	638.71	637.91	638.43	639.31	637.54	637.83	637.68	637.80
10	638.31	637.65	638.13	638.52	638.01	637.91	638.39	639.13	637.56	637.84	637.68	637.87
11	638.21	637.89	638.12	638.55	638.51	637.89	638.56	639.37	637.85	637.95	637.55	637.68
12	638.21	637.87	638.12	638.67	638.41	637.96	638.60	639.51	637.86	637.68	637.46	637.69
13	638.07	637.85	637.86	638.35	638.20	637.95	638.64	639.54	637.92	637.68	637.46	638.01
14	638.07	638.08	637.86	638.23	638.27	638.60	638.92	639.66	638.10	637.70	637.69	638.07
15	637.87	638.09	638.27	638.27	638.36	638.59	638.99	639.62	638.08	637.57	637.87	637.90
16	637.59	637.84	637.92	638.31	638.36	638.33	638.99	639.35	637.95	637.57	637.90	637.46
17	637.81	637.64	637.92	638.11	638.85	638.25	639.05	639.27	638.03	637.57	637.89	637.35
18	638.37	637.64	638.20	638.11	638.64	638.31	639.11	639.07	637.97	637.79	637.79	637.35
19	638.21	637.68	638.16	638.51	638.47	638.19	638.97	638.74	637.97	637.55	637.76	637.65
20	638.06	637.93	638.03	638.46	638.47	638.21	639.23	638.52	638.19	637.43	637.79	637.95
21	637.96	637.77	638.17	638.47	638.10	638.23	639.17	638.38	637.74	637.43	637.96	638.08
22	637.92	637.77	638.48	638.29	638.10	638.11	639.31	638.34	637.61	637.39	637.96	637.51
23	637.97	637.69	638.27	637.94	638.20	638.02	639.32	638.38	637.61	637.40	638.13	637.43
24	638.29	637.70	638.18	637.94	638.51	638.14	638.98	638.29	637.73	637.59	638.14	637.58
25	637.99	637.92	638.05	638.73	638.19	637.95	638.88	638.05	637.70	637.65	638.05	637.91
26	637.95	638.20	638.01	638.70	637.69	637.79	638.82	638.03	637.65	637.73	638.02	638.02
27	637.95	637.93	638.11	638.33	637.63	637.82	639.08	637.99	638.03	637.78	637.85	638.02
28	637.89	637.96	638.45	638.26	637.75	638.08	639.13	637.91	637.92	637.67	637.75	638.16
29	637.69		638.52	638.26	638.01	637.91	639.39	637.90	637.75	637.59	637.76	637.85
30	637.81		638.55	638.36	638.19	637.92	639.35	638.07	637.34	637.37	637.94	637.65
31	637.99		638.56		638.36		639.35	637.78		637.55		637.62

IOWA

By J. B. Cooper, C. W. Lane, and H. Garland Hershey

Scope of Water-Level Program

The observation-well program in Iowa was continued in 1953 in cooperation with the State Geological Survey. Measurements were made in 149 wells, 19 of which were equipped with recording gages. During the year, 5 wells were dropped from the program, and 2 wells were added, making a total of 146 wells in 36 counties in the observation-well program at the end of the year. Figure 3 shows locations of wells. 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 measurement program. There are 18 wells in Page County and 5 wells in Montgomery County. Records of wells in the Missouri part of the area are given in the section of this report that deals with that State.

Precipitation

The average total precipitation over the State in 1953, as reported by the U. S. Weather Bureau, was 25.87 inches, 5.50 inches below normal. Deficiencies in statewide precipitation were noted for each month from July through November. Drought conditions which had begun locally in southeastern Iowa late in June spread to include all sections of the State. There were very considerable variations in the amount of rainfall received in different sections. For example, in the northwest and north-central sections the averages were slightly greater than the normal for August, while in the southeast less than one-fourth the normal amount fell. Moderate to heavy rains over western and northern Iowa and light rains in the southeast which occurred November 20-22 brought to an end the drought which had lasted for 99 days over the greater part of the State. In that period only 6 percent of the normal rainfall had fallen over portions of central Iowa. Precipitation in December was slightly above normal with the heaviest amounts recorded in the east-central and southeastern section. The increased precipitation helped surface soil conditions, but the amounts were too small to replenish subsoil moisture supplies. Many communities dependent upon surface reservoirs for their water supply, particularly in southern Iowa, continued at the end of the year to enforce ordinances controlling nonessential usage of water. Many farmers were hauling water for stock and for domestic purposes.

Interpretation of Water-Level Fluctuations

Water levels in shallow aquifers in Iowa fluctuate generally in response to variations in precipitation, pumping, and natural demands of vegetation. Ground-water levels in these aquifers at the beginning of 1953 were at unusually low stages in most sections of the State as a result of below-normal precipitation in the previous year. The high levels in the spring were generally below high levels of previous years, and less water was in storage at the beginning of the period of heavy ground-water withdrawal. As fall precipitation was deficient the shallow aquifers were not recharged as usual,and water levels below average were recorded in a majority of the shallow observation wells in the State. Water-level fluctuations in well 68-38-7N1, shown in figure 4, are representative of variations in depth to water with precipitation in the wells in the Tarkio Creek Valley area of southwestern Iowa. This well, an unused well 44 feet deep in Page County near Shenandoah, is used in this illustration because of continuity and length of record and its favorable location away from pumping influences. Monthly precipitation at Shenandoah is also shown on the graph. The fluctuations of the water level during the period of record in well 87-28-29N1, which is a shallow unused well in the southern part of Webster County near Harcourt, are shown in figure 5. This well is 42 feet deep, taps water in the glacial drift, and is representative of several shallow observation wells and of many domestic farm wells which tap the same water-bearing bed. The monthly precipitation at Fort Dodge, shown also on the graph, correlates closely with the fluctuations of water level. Figure 6 shows the depth to the water table in well 84-6-20N1, an observation well 12 feet deep 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. Well 83-7-21K1 (fig. 7) is illustrative of artesian rock wells affected by seasonal withdrawals for industrial and air-conditioning purposes. This is an unused well about half a mile from heavily pumped areas of Cedar Rapids and completed at a depth of 156 feet in the upper part of dolomite of Silurian age, which is locally about

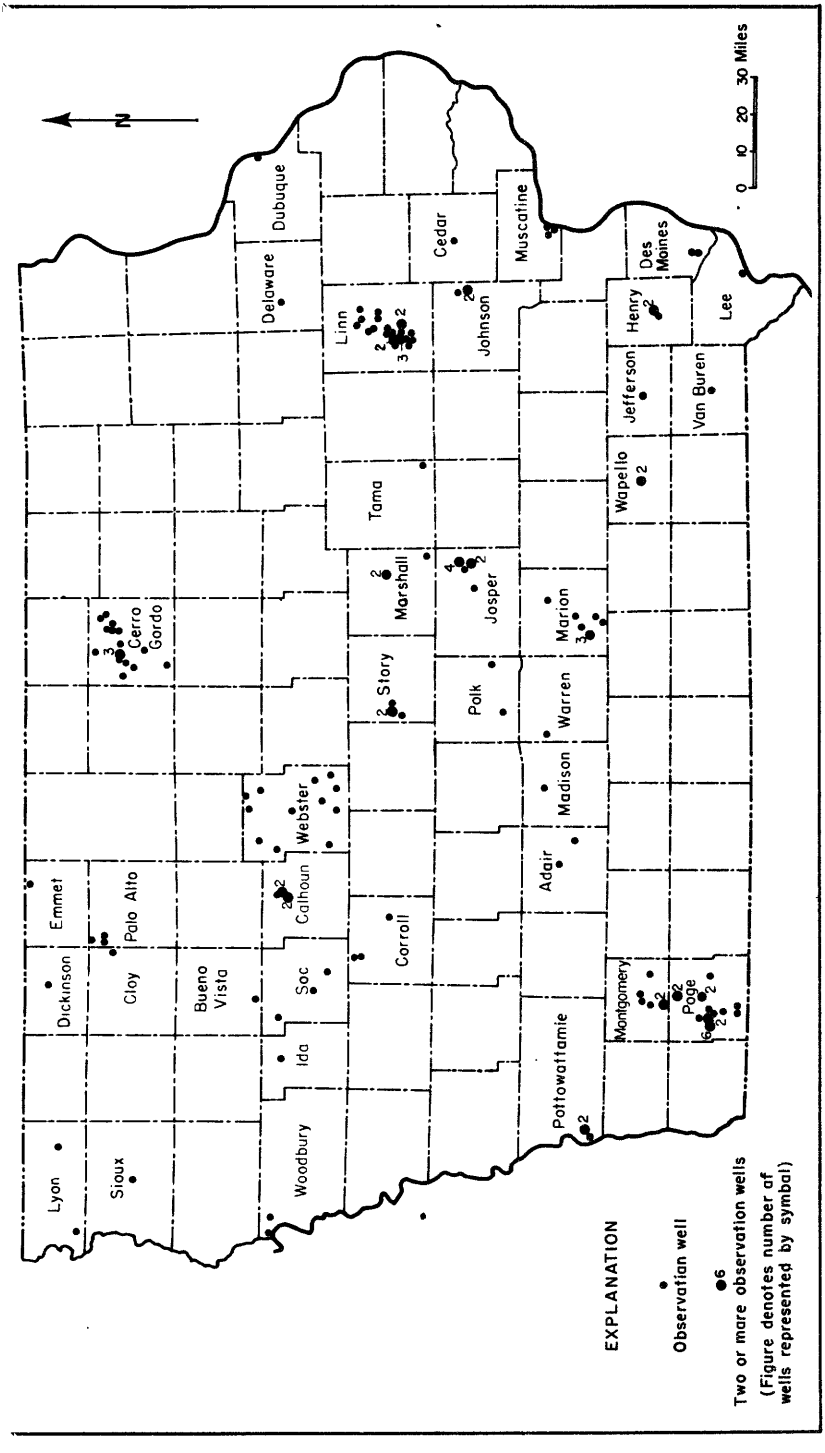

Figure 3. --Location of observation wells in Iowa, 1953.

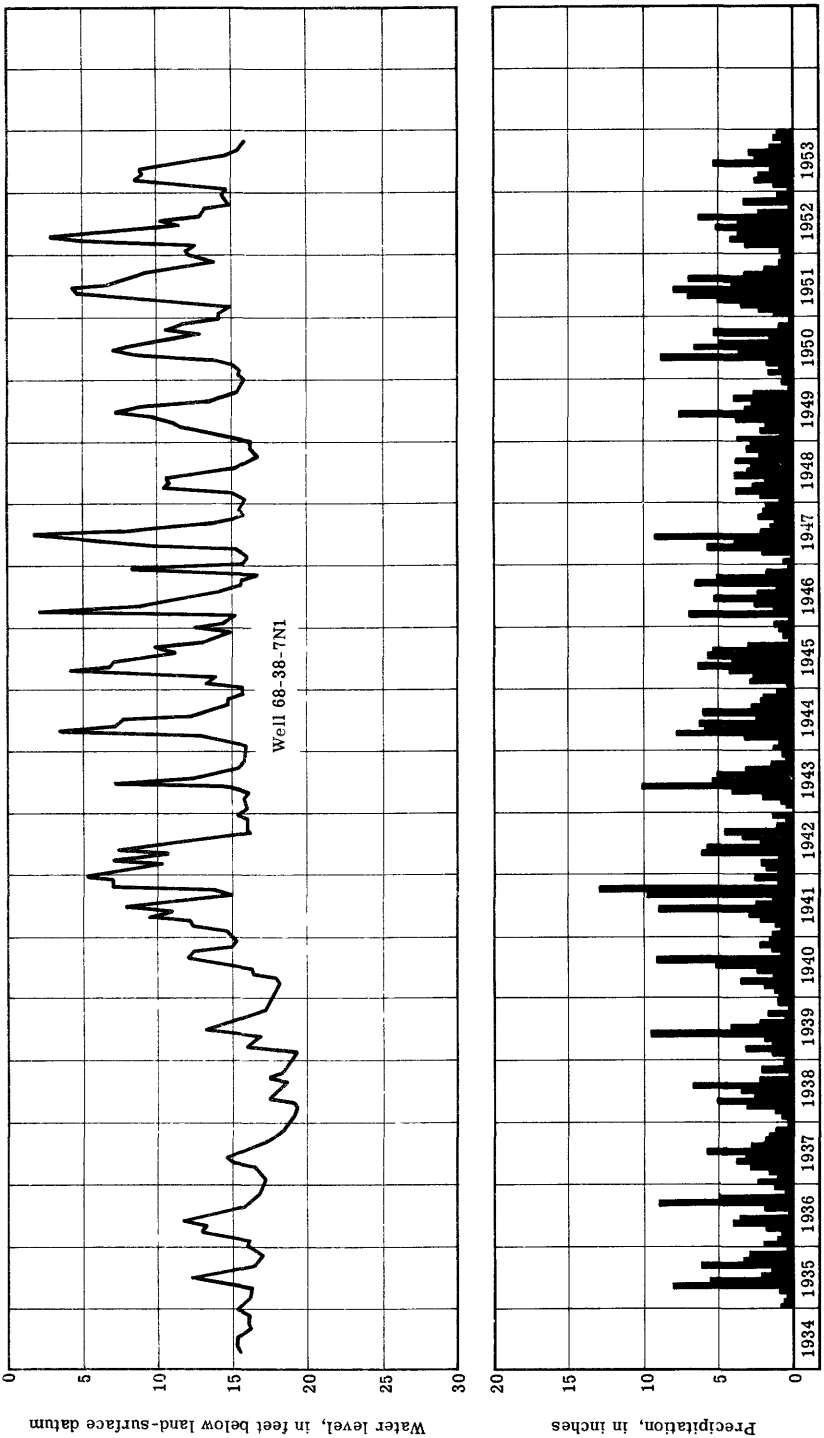

Figure 4.--Water level in well 68-38-7N1 and precipitation at Shenandoah, Tarkio Creek Valley, Iowa-Missouri, 1935-53.

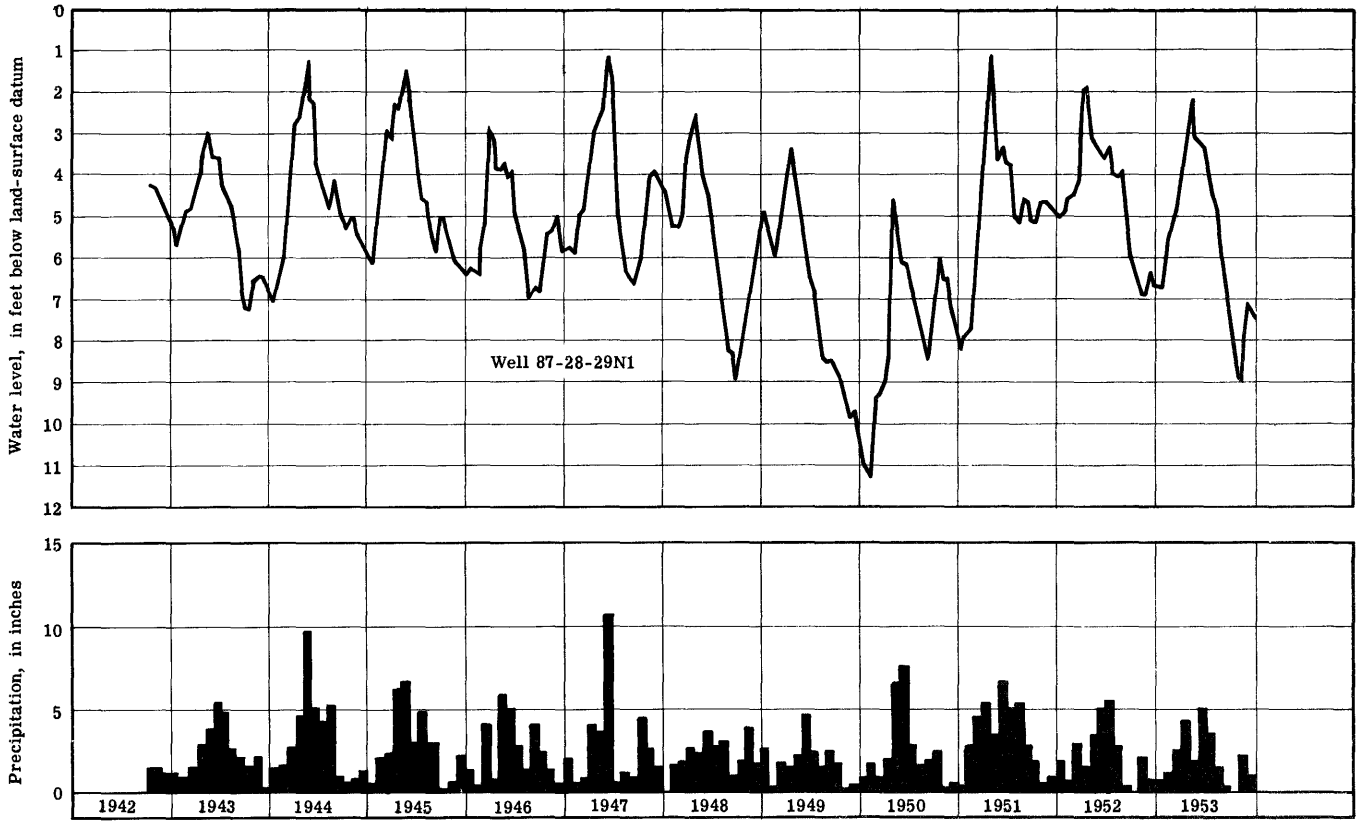

Figure 5.--Water level in well 87-28-29N1 near Harcourt and monthly precipitation at Fort Dodge, Iowa, 1942-53.

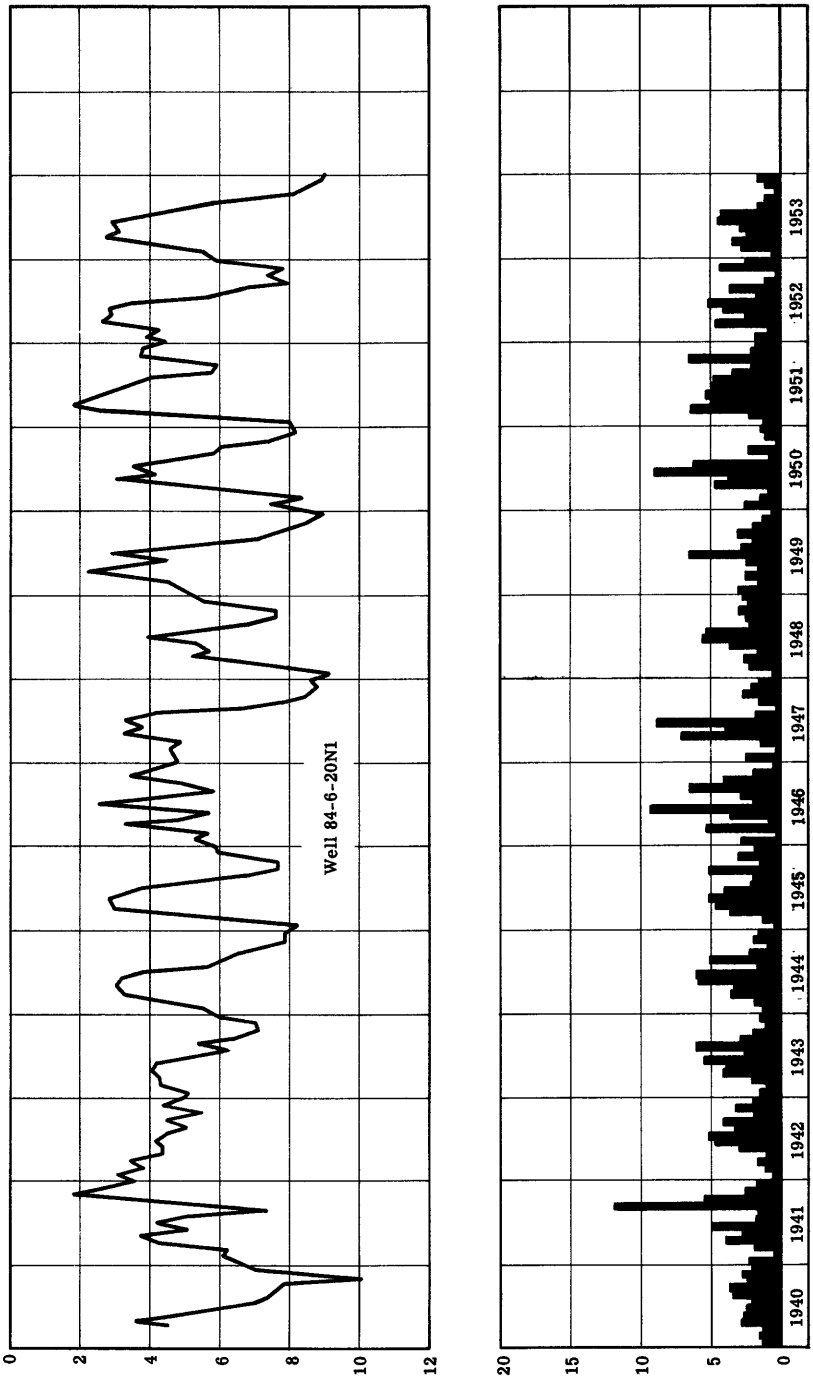

Figure 6.--Water level in well 84-6-20N1 near Marion and monthly precipitation at Cedar Rapids, Iowa, 1940-53.

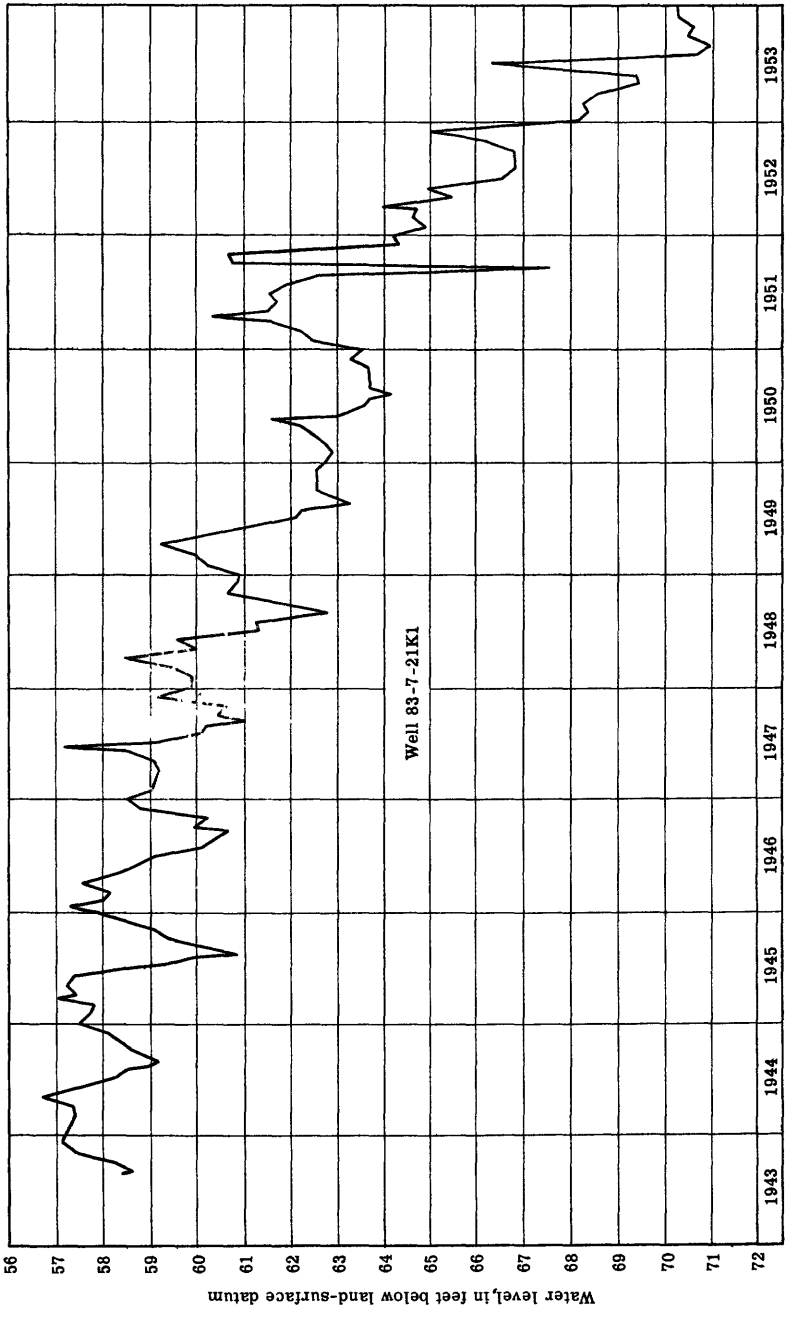

Figure 7. --Hydrograph of well 83-7-21K1 at Cedar Rapids, Iowa, 1943-53, showing fluctuations of water level caused by pumping in vicinity.

400 feet thick. Most wells in Cedar Rapids develop water supplies for air-conditioning and industrial use from these strata. In September 1951 a new well was constructed nearby. A pumping test made on it had a marked effect upon water levels in well 83-7-21K1. On December 31, 1953, the water level was 70.11 feet, which is 12.89 feet below its stage of December 31, 1943.

Well-Numbering System

The numbers assigned to observation wells in Iowa show the location of the wells according to the rectangular system for subdivision of public land. Each well number is made up of three segments, separated by hyphens. The first and second segments indicate the township and range. The third segment includes the section, followed by a letter representing the 40-acre subdivision of the section, as shown by the diagram, and the serial number of the particular well.

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

The letter E is added to the second segment representing the range when a well is east of the fifth principal meridian. In the numbers of the other wells, it is understood that the range indicated is west of the meridian. For example, the number 76-31-25P1 indicates a well in T. 76 N., R. 31 W., in the $SE\frac{1}{4}SW\frac{1}{4}$ sec. 25, serial number 1.

Well Descriptions and Water-Level Measurements

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

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 17.07 below lsd, Oct. 29, 1953. Records available: 1942-53. Jan. 27, 13.20; Apr. 30, 8.92; July 28, 14.17; Oct. 29, 17.07.

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: 1942-53. Jan. 27, +0.08; Apr. 30, +0.10; July 28, -8.40; Oct. 29, -6.02.

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: 1940-53 Jan. 27, 10.45; Apr. 21, 6.23; July 21, 9.65; Oct. 28, 11.90.

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: 1940-53. Jan. 28, 3.73; Apr. 22, 3.47; July 22, 4.87; Oct. 8, 5.38.

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: 1948-53. Jan. 28, 14.28; Apr. 22, 10.06; July 22, 13.23; Oct. 8, 17.18.

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. No measurement made in 1953.

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. No measurement made in 1953.

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 14.99 below lsd, Oct. 29, 1952. Records available: 1940-53. Jan. 28, 13.25; Apr. 22, 8.57; July 22, 10.52; Oct. 8, 14.51.

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 196.38 below lsd, Mar. 29, 1949. Records available: 1942-53. Jan. 27, 220.58, pumping; Apr. 21, 220.01, pumping; Oct. 28, 189.05.

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: 1940-53. Jan. 27, 192.96; Apr. 21, 192.12; July 21, 193.45; Oct. 28, 191.67.

84-35-25F1. Incorrectly reported as 84-34-25F1. 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 57.53 below lsd, July 20, 1953. Records available: 1939-49, 1952-53. Jan. 26, 44.75; Apr. 21, 38.52; July 20, 57.53; Oct. 27, 50.51.

Cedar County

80-2-3D1. City of Tipton. Drilled unused artesian well in limestone of Ordovician and Silurian age, diameter 8 inches, reported depth 1,000 feet, cased to 225. Land-surface datum is about 815 feet above msl. Water levels affected by pumping of nearby wells. Highest water level 53.5 below lsd, Mar. 24, 1952; lowest 114.0 below lsd, Aug. 25, 1952. Records available: 1949-52. Measurement discontinued.

Cerro Gordo County

97-21-6E1. 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 15, 1946. Records available: 1941-53. Feb. 4, 97.40; Apr. 15, 96.09; July 23, 97.06; Oct. 29, 96.08.

97-20-24H1. Mrs. Vinnie Shanks. Drilled domestic water-table well in glacial drift, diameter 36 to 18 inches, depth 79 feet, cribbed with rock to 17 feet, lined with tile to 79 feet. Land-surface datum is about 1,176 feet above msl. Highest water level 3.68 below lsd, June 28, 1951; lowest 25.28 below lsd, Sept. 28, 1950. Records available: 1941-53. Feb. 4, 12.22; Apr. 15, 7.62; July 23, 9.44; Oct. 29, 14.24.

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 194.65 below lsd, July 23, 1953. Records available: 1943-53. Feb. 4, 194.40; Apr. 15, 188.07; July 23, 194.65.

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: 1941-53. Feb. 4, 11.42; Apr. 15, 9.69; July 23, 10.62; Oct. 29, 11.48.

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: 1940-53. Feb. 5, 6.21; Apr. 15, 1.67; July 23, 5.81; Oct. 29, 7.60.

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 40.68 below lsd, July 6, 1950. Records available: 1940-53. Feb. 5, 36.11; Apr. 15, 36.15; July 23, 40.46; Oct. 29, 37.68.

96-22-25D2. U. S. Geol. Survey. Clear Lake State Park. Driven observation water-table well in glacial sand and gravel, diameter 1 inch, depth 9 feet. Land-surface datum is about 1,235 feet above msl. Highest water level 3.68 below lsd, July 3, 1945; lowest dry, Oct. 29, 1953. Records available: 1940-53. Feb. 5, 7.00; Apr. 15, 5.83; July 23, 6.44; Oct. 29, dry.

96-21-13E1. Mason City & Clear Lake Railway 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 9.20 below lsd, Feb. 5, 1953. Records available: 1940-53. Feb. 5, 9.20; Apr. 15, 4.63; July 23, 5.84; Oct. 29, 6.75.

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: 1940-53. Feb. 5, 18.83; Apr. 15, 18.28; July 23, 18.52; Oct. 29, 18.42.

96-21-17M1. Sam Kennedy. Dug unused water-table well in glacial drift, diameter 24 inches, depth 5 feet, cribbed with concrete blocks. Land-surface datum is about 1,204 feet above msl. Highest water level 0.51 below lsd, June 19, 1941; lowest dry, Oct. 8, 1952, Oct. 29, 1953. Records available: 1940-53. Feb. 5, 2.50; Apr. 15, 1.90; July 23, 1.27; Oct. 29, dry.

96-21-18H1. Sam Kennedy. Drilled domestic water-table well in glacial drift, diameter 12 inches, depth 14 feet. Land-surface datum is about 1,211 feet above msl. Highest water level 3.45 below lsd, July 3, 1945; lowest 12.86 below lsd, Feb. 5, 1953. Records available: 1940-50, 1953. Feb. 5, 12.86.

96-20-3L2. City of Mason City well 8. Drilled municipal artesian well in Jordan sandstone, diameter 20 to 10 inches, depth 1,225 feet, cased 0-99, 349-710. Land-surface datum is 1,098.3 feet above msl. Water levels affected by pumping of nearby wells. Highest water level 155.9 below lsd, Mar. 26, 1944; lowest 241.0 below lsd, Mar. 11, 1952. Records available: 1941-46, 1950-52. No measurement made in 1953.

96-20-3P1. Minneapolis & St. Louis Railroad 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: 1941-53.

Daily noon water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Oct.	Dec.
1	46.61	47.30	47.13	46.48	44.90	44.68	.....	.....	.....
2	46.62	47.18	46.99	46.54	44.88	44.67	.....	.....	.....
3	46.61	47.26	47.13	46.28	44.82	44.58	.....	.....	.....
4	46.49	47.23	47.15	46.35	44.68	44.70	.....	.....	.....
5	46.63	47.20	47.38	46.27	44.51	44.90	.....	.....	.....
6	46.61	47.38	47.61	46.08	44.36	45.03	.....	.....	.....
7	46.71	47.43	47.51	46.17	44.32	45.00	.....	.....	.....
8	46.68	47.42	47.49	46.15	44.36	44.75	.....	.....	.....
9	46.87	47.53	47.33	46.17	44.29	44.95	.....	.....	.....
10	46.76	47.42	47.21	46.21	44.14	.....	.....	.....	48.35
11	46.92	47.26	46.92	46.20	44.28	.....	.....	.....	48.62
12	46.61	47.44	46.74	46.17	44.46	.....	.....	.....	48.51
13	46.87	47.40	46.80	46.16	44.55	.....	.....	.....	48.42
14	46.87	47.50	46.54	46.12	44.41	.....	.....	.....	48.53
15	46.83	47.40	46.46	45.98	44.37	.....	.....	.....	48.50
16	47.09	47.57	46.42	46.08	44.35	.....	.....	.....	48.82
17	46.76	47.60	46.40	46.07	44.23	.....	45.92	.....	48.86
18	46.86	47.55	46.41	45.98	44.32	.....	45.95	.....	48.70
19	46.81	47.51	46.50	45.93	44.24	.....	45.96	.....	48.64
20	46.98	47.27	46.33	45.90	44.21	.....	46.06	.....	48.50
21	46.94	47.67	46.17	45.65	44.32	.....	46.13	.....	48.55
22	47.04	47.35	46.35	45.69	44.28	.....	46.11	.....	48.90
23	47.00	47.47	46.26	45.82	44.36	.....	46.17	.....	48.85
24	47.08	47.32	46.41	45.61	44.15	.....	46.22	.....	48.73
25	47.06	47.22	46.58	45.46	44.10	.....	46.24	.....	48.74
26	46.96	47.14	46.57	45.48	44.48	.....	46.34	47.92	48.68
27	47.17	47.32	46.54	45.31	44.61	.....	.....	47.90	48.50
28	47.16	47.27	46.55	45.18	44.56	.....	.....	47.97	48.52
29	47.20		46.51	45.12	44.43	.....	.....	48.06	48.72
30	47.24		46.38	44.95	44.43	.....	.....	48.04	48.86
31	47.38		46.41		44.57		.....	48.23	48.75

* No record for August, September, and November.

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, 1947-53. Feb. 5, 206.3; Apr. 15, 222.7; Oct. 30, 236.3.

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: 1941-53. Feb. 5, 18.32; Apr. 15, 17.36; July 23, 16.90; Oct. 29, 18.39.

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: 1941-53. Feb. 5, 23.73; Apr. 15, 21.03; July 23, 20.28; Oct. 30, 22.53.

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: 1940-53. Jan. 28, 4.83; Apr. 22, 3.33; July 22, 5.33; Oct. 29, 2.48.

Delaware County

89-5-29J1. City of Manchester well 2. Prospect and Union Ave. 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. Water levels affected by pumping of nearby wells. Highest water level 13.5 below lsd, June 8, 1951; lowest 46.6 below lsd, Mar. 23, 1951. Records available: 1949-53.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	23.5	23.1	22.8	22.7	22.5	22.7	19.0	38.0	21.3	21.9	21.5
2	....	23.7	23.0	22.8	22.9	24.7	23.3	19.2	22.8	21.6	23.6	22.5
3	....	23.2	22.8	22.5	22.5	25.1	24.1	20.1	20.9	22.1	21.7	21.6
4	....	23.3	23.0	22.9	23.0	26.1	23.7	18.4	20.6	21.6	22.2	22.5
5	....	23.2	22.8	22.7	22.6	23.6	22.5	18.6	20.2	21.9	22.8	21.8
6	....	23.9	23.3	22.5	23.3	22.7	22.2	17.7	20.1	22.0	22.0	22.1
7	....	23.8	22.9	22.7	22.3	21.9	21.7	17.6	21.5	21.5	22.2	22.7
8	....	23.6	23.2	22.2	22.9	21.7	22.4	18.0	20.0	21.8	22.0	21.8
9	....	23.6	23.0	22.2	21.9	22.8	21.5	17.2	20.1	24.4	22.6	21.6
10	....	23.3	22.7	23.6	22.9	22.2	22.0	17.5	20.9	21.6	21.4	23.0
11	....	23.7	22.8	23.1	22.4	23.7	21.4	17.8	20.8	21.9	22.0	22.1
12	....	23.3	22.5	23.6	22.4	22.6	22.2	17.6	20.5	21.8	21.7	22.0
13	24.9	23.7	23.0	22.8	24.5	24.3	22.1	19.4	20.6	22.1	22.4	22.2
14	24.3	23.3	22.6	22.0	22.3	23.8	21.5	18.1	20.5	22.3	21.7	22.3
15	23.1	23.2	22.8	23.4	23.0	23.0	22.2	19.0	20.4	23.3	22.0	22.8
16	24.6	23.5	22.6	22.3	22.7	23.2	21.8	18.5	21.1	21.9	22.3	23.4
17	23.5	23.2	22.3	22.3	22.5	23.1	22.4	18.7	20.7	22.3	22.2	23.0
18	23.6	22.9	23.4	22.2	22.0	23.1	22.1	19.0	21.7	22.0	22.1	23.4
19	23.7	23.7	23.4	22.3	23.1	23.6	22.5	20.4	20.9	22.1	21.9	....
20	23.3	23.3	22.8	22.3	22.4	26.9	22.8	18.7	20.7	23.0	22.4	23.0
21	23.0	23.5	22.7	22.3	22.4	22.9	22.2	19.5	22.0	23.2	22.5	22.8
22	23.5	23.8	22.8	23.3	22.3	22.9	21.3	22.2	20.9	21.9	21.9	23.2
23	22.8	23.3	23.0	22.3	22.0	23.1	21.2	19.2	21.0	21.9	21.9	23.2
24	23.0	23.5	22.9	23.2	21.7	22.7	22.1	20.6	22.2	21.6	22.7	23.4
25	23.3	22.9	23.4	22.5	21.6	24.3	21.4	19.8	21.5	21.2	21.7	23.0
26	23.4	23.4	22.6	22.7	21.9	22.9	20.6	37.0	20.8	21.6	22.1	23.1
27	23.6	23.0	22.5	22.6	23.3	23.6	19.8	21.9	20.9	22.1	22.9	23.2
28	23.2	23.0	22.7	22.2	23.1	22.6	19.5	21.7	21.4	21.2	21.8	22.4
29	23.7		22.4	22.8	22.8	22.2	19.9	21.2	21.5	21.8	22.3	22.9
30	23.2		22.6	22.6	22.9	24.0	19.3	20.7	23.1	22.4	22.3	23.2
31	24.3		22.6		23.9		19.5	21.6		21.8		23.5

89-5-29J1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	40.7	39.0	40.0	39.6	....	37.4	39.3	39.1	39.9	39.8
2	....	32.6	34.9	39.8	....	39.6	....	37.4	39.2	39.1	39.1	39.8
3	....	40.2	40.8	39.3	39.7	....	40.9	35.7	38.1	39.4	39.6	39.6
4	....	37.9	34.9	40.0	40.0	....	40.2	35.8	38.0	39.5	39.7	39.7
5	....	40.7	40.8	39.9	39.7	36.6	40.2	35.9	37.8	38.7	39.6	39.6
6	....	41.7	39.3	....	....	....	39.2	34.9	37.8	38.8	39.8	38.7
7	....	40.3	41.0	....	37.4	....	40.9	34.8	37.4	38.9	39.8	38.9
8	....	41.2	40.4	33.8	....	40.0	40.4	35.0	37.4	39.0	39.4	30.7
9	....	39.7	31.9	40.0	....	39.4	....	34.6	37.4	39.8	39.0	39.6
10	....	41.4	40.5	40.7	....	40.0	....	34.5	37.4	39.8	39.7	39.6
11	....	32.7	31.8	39.4	39.0	39.9	....	34.7	37.6	39.8	39.7	39.1
12	....	41.1	40.5	....	39.6	....	....	34.9	37.8	38.8	39.4	39.9
13	....	36.9	39.5	40.2	40.5	41.1	39.2	34.7	37.8	39.3	39.5	39.2
14	40.8	37.4	40.4	34.2	37.9	40.7	40.3	34.8	37.4	39.6	39.9	....
15	....	41.1	....	....	....	40.3	40.1	35.4	37.8	39.6	39.9	....
16	....	38.6	31.4	32.1	....	41.0	....	35.3	37.8	39.6	39.5	....
17	....	33.5	40.2	40.2	39.4	40.4	....	35.0	38.0	39.7	39.6	....
18	....	....	....	38.0	36.9	40.4	40.7	35.3	38.5	39.7	39.9	....
19	39.7	38.8	40.0	39.9	40.0	41.1	39.3	35.5	38.5	39.3	39.7	....
20	39.3	40.0	35.8	40.0	....	41.6	38.8	35.7	38.2	39.4	39.7	....
21	41.2	41.6	40.0	37.8	....	40.3	39.7	36.1	38.1	....	39.9	....
22	32.0	40.6	39.9	....	40.1	....	39.5	36.5	38.3	....	39.5	....
23	38.9	41.1	40.2	36.6	31.4	41.0	39.4	36.2	38.3	39.7	39.5	....
24	40.7	38.9	40.6	40.5	38.9	40.9	39.0	36.8	38.2	37.8	39.1	....
25	....	....	40.5	38.8	....	40.4	38.9	37.0	38.3	39.4	39.8	....
26	40.7	33.5	34.1	40.2	....	....	38.9	38.4	38.5	39.4	39.8	....
27	32.6	39.0	40.6	40.3	....	40.2	36.9	38.4	38.5	39.0	39.0	....
28	41.3	41.0	....	34.4	....	39.9	37.3	37.8	38.4	39.5	39.8	....
29	37.3		39.8	40.1	....	40.1	37.3	37.9	38.5	39.5	39.8	....
30	40.8		39.7	40.0	....	40.8	37.3	38.0	39.1	39.2	39.8	....
31	41.1		....		....		37.3	38.3		39.9		....

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 179.28 below lsd, Dec. 23, 1953. Records available: 1950-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	168.21	167.86	167.39	168.05	168.51	169.15	169.71	174.38	178.29	178.34
2	.....	.....	168.03	167.98	167.71	168.03	168.39	169.18	169.67	174.62	178.25	178.15
3	.....	168.36	167.90	167.86	167.94	167.84	168.58	169.20	169.58	174.92	178.60	177.75
4	.....	168.34	167.96	167.93	167.97	167.74	168.51	169.22	169.71	175.34	178.73	177.90
5	.....	167.96	168.19	.....	167.76	167.76	168.54	169.38	169.83	175.39	178.95	178.00
6	.....	168.13	168.46	.....	167.72	167.95	168.71	169.37	169.87	175.73	178.91	178.04
7	.....	168.24	168.39	167.74	167.72	167.98	168.73	169.40	169.98	175.95	178.92	178.06
8	.....	168.29	168.36	167.59	167.79	167.82	168.90	169.43	170.05	175.88	178.85	178.02
9	.....	.....	168.26	167.49	167.77	168.15	169.02	169.50	170.01	175.97	178.92	177.78
10	.....	168.35	168.13	167.75	167.64	168.24	169.12	169.49	169.85	175.96	178.82	178.00
11	.....	168.05	168.07	167.85	167.79	168.22	169.07	169.41	169.72	176.13	178.89	178.17
12	.....	168.18	168.03	167.82	167.83	168.23	168.96	169.56	169.89	176.48	178.98	178.12
13	.....	168.17	168.18	167.96	168.11	168.05	168.91	169.53	169.92	176.63	178.95	177.89
14	.....	168.03	167.82	167.90	167.94	168.01	168.92	169.44	169.75	176.71	178.86	178.00
15	.....	168.09	168.02	167.41	167.87	168.00	169.01	169.53	169.74	176.74	178.81	177.96
16	.....	168.21	168.20	167.85	167.71	168.03	169.05	169.53	169.81	176.81	178.77	.....
17	.....	168.44	168.03	167.88	167.63	168.16	168.99	169.60	169.69	176.92	178.76	178.61
18	.....	168.16	167.85	.....	167.70	168.02	168.93	169.25	169.69	177.05	178.67	.....
19	.....	168.16	168.06	.....	167.70	168.03	168.93	169.61	169.75	177.21	178.55	.....
20	.....	167.70	167.85	.....	167.54	167.95	168.95	169.68	169.77	177.37	178.29	.....
21	.....	168.37	167.59	167.76	167.60	168.34	168.97	169.73	170.11	177.42	178.56	.....
22	.....	168.30	167.79	167.56	167.58	168.40	169.07	169.73	170.26	177.48	178.34	178.96
23	.....	168.41	167.86	167.80	.....	168.45	169.10	169.67	170.10	177.53	178.11	.....
24	.....	168.23	167.93	167.52	.....	168.33	169.23	169.64	169.93	177.61	178.10	.....
25	.....	168.03	168.11	167.46	.....	168.38	169.22	169.65	169.87	177.62	178.12	.....

69-3-6A1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	.....	167.80	.....	167.71	167.91	168.63	169.32	169.66	169.76	177.69	178.20	.....
27	168.36	168.04	.....	167.87	168.14	168.60	169.33	169.67	171.44	177.71	178.51	.....
28	168.45	168.17	.....	167.67	168.10	168.63	169.20	169.59	172.20	177.84	178.58	.....
29	168.45		.....	167.51	167.85	168.66	169.19	169.54	172.81	178.06	178.33	178.48
30	168.30		.....	167.30	167.68	168.66	169.28	169.56	173.92	177.96	178.40	178.87
31	168.38		167.73		167.86		169.25	169.64		178.08		178.64

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 77.11 below lsd, June 20, 1953; lowest 83.19 below lsd, Apr. 6, 1950. Records available: 1950-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	79.11	78.99	78.70	78.20	77.26	77.48	77.29	77.27	77.43	79.08	80.28	80.49
2	78.95	78.83	78.55	78.36	77.43	77.55	77.13	77.23	77.39	79.08	80.28	80.31
3	79.01	78.84	.....	78.29	77.66	77.42	77.25	77.24	77.29	79.04	80.36	80.11
4	79.00	78.85	.....	78.31	77.81	77.29	77.21	77.21	77.35	79.20	80.50	79.93
5	79.00	78.64	.....	78.37	77.70	77.25	77.19	77.31	77.45	79.19	80.65	80.19
6	79.06	78.57	78.78	78.23	77.63	77.37	77.24	77.32	77.45	79.23	80.66	80.01
7	79.08	78.73	78.91	78.20	77.62	77.41	77.27	77.33	77.57	79.40	80.62	80.16
8	78.96	78.77	78.83	78.13	77.63	77.24	77.34	77.32	77.87	79.33	80.56	80.13
9	79.06	78.94	78.87	78.06	77.64	77.38	77.43	77.41	77.99	79.26	80.58	80.02
10	78.99	78.92	78.72	78.12	77.50	77.46	77.51	77.41	77.88	79.21	80.52	80.14
11	79.09	78.65	78.63	78.25	77.53	77.52	77.48	77.35	77.76	79.18	80.49	80.23
12	79.01	78.64	78.56	78.21	77.54	77.45	77.36	77.38	77.81	79.42	80.60	80.33
13	78.90	78.69	78.66	78.27	77.73	77.33	77.29	77.43	77.94	79.61	80.56	80.12
14	78.87	78.52	78.46	78.27	77.71	77.29	77.27	77.38	77.76	79.69	80.48	80.14
15	78.79	78.59	78.37	77.91	77.60	77.27	77.33	77.42	77.78	79.69	80.40	80.21
16	79.25	78.59	78.63	78.03	77.50	77.18	77.37	77.42	77.83	79.69	80.33	80.50
17	79.06	78.87	78.51	77.89	77.37	77.31	77.35	77.48	77.80	79.77	80.36	80.70
18	78.84	78.70	78.30	77.90	77.41	77.23	77.29	77.52	77.75	79.80	80.33	80.62
19	78.84	78.69	78.43	77.90	77.45	77.18	77.26	77.50	77.81	79.81	80.32	80.37
20	78.87	78.40	78.42	77.96	77.35	77.12	77.26	77.51	77.77	79.91	80.09	80.16
21	78.90	78.67	78.80	77.83	77.27	77.34	77.23	77.52	78.06	79.95	80.22	80.02
22	78.87	78.88	78.28	77.62	77.30	77.41	77.27	77.51	78.29	79.98	80.24	80.28
23	78.78	78.89	78.26	77.72	77.51	77.42	77.31	77.45	78.25	79.99	80.11	80.62
24	78.72	78.82	78.37	77.62	77.47	77.32	77.37	77.41	78.11	80.01	80.00	80.52
25	78.89	78.67	78.50	77.42	77.33	77.21	77.36	77.41	78.03	80.00	80.06	80.40
26	78.85	78.45	78.63	77.56	77.45	77.38	77.38	77.43	77.97	79.96	80.19	80.41
27	78.82	78.44	78.55	77.73	77.67	77.37	77.39	77.42	78.27	79.96	80.34	80.33
28	78.92	78.64	78.49	77.62	77.70	77.35	77.33	77.37	78.40	80.00	80.57	80.36
29	78.91		78.47	77.47	77.51	77.40	77.27	77.32	78.45	80.15	80.42	80.28
30	78.78		78.35	77.27	77.29	77.39	77.33	77.33	78.87	80.13	80.47	80.58
31	78.78		78.20		77.34		77.35	77.39		80.14		80.60

Dickinson County

99-36-6G1. Charles Miller. Drilled unused water-table 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: 1940-53. Jan. 28, 2.82; Apr. 22, 0.77; July 21, 1.79; Oct. 28, 2.15.

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. Water levels affected by pumping of nearby wells. Highest water level 17.17 below lsd, Apr. 21, 1947; lowest 130.50 below lsd, Aug. 12, 1952. Records available: 1947-53. Mar. 26, 69.91; June 2, 76.88.

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 64.80 below lsd, Mar. 28, 1945. Records available: 1939-53. Jan. 28, 64.15; Apr. 22, 63.63; July 22, 64.06; Oct. 29, 64.41.

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. Water levels affected by pumping of nearby well. Highest water level 132.40 below lsd, Sept. 5, 1945; lowest 154.07 below lsd, July 29, 1953. Records available: 1945-53. Jan. 29, 150.95; Apr. 28, 150.88; July 29, 154.07; Oct. 30, 150.22.

71-6-9B2. City of Mount Pleasant well 4. Drilled municipal artesian well in limestone 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. Water levels affected by pumping of nearby well. Highest water level 132.00 below lsd, May 5, 1946; lowest 147.55 below lsd, Oct. 30, 1953. Records available: 1946-50, 1953. Jan. 29, 145.72; Apr. 28, 145.51; Oct. 30, 147.55.

71-6-9M1. City of Mount Pleasant well 3. Drilled municipal artesian well in Jordan sandstone, diameter 16 to 8 inches, depth 1,802 feet, cement plug 1,794 to 1,802, cased to 1,689. Land-surface datum is about 671 feet above msl. Water levels affected by pumping of nearby well. Highest water level 71.60 below lsd, Dec. 31, 1945; lowest 89.20 below lsd, Mar. 22, 1948. Records available: 1945-53. Jan. 29, 88.26; Apr. 28, 88.48.

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 1953.

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: 1940-53. Jan. 27, 17.34; Apr. 30, 14.07; July 27, 16.26; Oct. 28, 20.87.

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 43.03 below lsd, June 30, 1953; lowest 59.38 below lsd, Aug. 11, 1950. Records available: 1950-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	51.36	.....	.....	.....	.....	43.27	43.09	43.64	.....	44.18	.....
2	.....	51.22	.....	.....	.....	.....	43.28	43.18	43.52	.....	43.97	.....
3	.....	51.20	.....	.....	.....	.....	43.12	43.19	43.60	.....	44.34	.....
4	.....	51.12	.....	.....	.....	.....	43.08	43.24	43.70	.....	44.38	.....
5	.....	50.91	.....	.....	.....	.....	43.31	43.33	43.72	.....	44.39	.....
6	.....	.....	.....	.....	.....	.....	43.20	43.23	43.73	.....	44.26	.....
7	.....	.....	.....	46.25	.....	.....	43.33	43.29	43.85	.....	44.29	.....
8	.....	.....	.....	46.05	44.56	.....	43.37	43.35	43.83	.....	44.24	.....
9	.....	.....	.....	46.00	44.43	.....	43.34	43.33	43.75	.....	44.25	.....
10	.....	.....	.....	46.13	44.18	.....	43.21	43.29	43.66	.....	44.02	.....
11	.....	.....	.....	46.08	44.47	.....	43.15	43.27	43.58	.....	44.31	.....
12	.....	.....	.....	46.00	44.52	43.33	43.16	43.44	43.74	44.22	44.20	.....
13	.....	.....	.....	45.96	44.63	43.46	43.19	43.37	43.73	44.12	44.17	.....
14	.....	.....	.....	45.76	44.33	43.30	.....	43.36	43.68	44.10	44.07	.....
15	.....	.....	.....	45.38	44.28	43.47	.....	43.43	43.71	44.08	44.02	.....
16	.....	.....	.....	45.76	44.20	43.45	.....	43.43	43.75	44.06	44.13	.....
17	.....	.....	.....	45.72	44.16	43.24	.....	43.52	43.59	44.02	44.04	.....
18	.....	.....	.....	.....	44.23	43.27	.....	43.53	43.79	44.02	44.11	.....
19	.....	.....	.....	.....	.....	43.28	.....	43.50	43.73	44.10	43.99	.....
20	.....	.....	.....	.....	.....	43.55	.....	43.52	43.85	44.17	44.00	.....
21	.....	.....	.....	.....	.....	43.55	.....	43.55	44.13	44.11	44.26	.....
22	.....	.....	.....	.....	.....	43.41	.....	43.53	44.04	44.15	44.01	.....
23	.....	.....	.....	.....	.....	43.15	.....	43.45	43.88	44.15	43.95	.....
24	.....	.....	.....	.....	.....	43.44	.....	43.44	43.83	44.12	44.11	.....
25	.....	.....	.....	.....	.....	43.50	.....	43.52	43.88	44.00	44.28	.....
26	51.29	.....	.....	.....	.....	43.32	.....	43.52	43.58	44.13	44.40	.....
27	51.46	.....	.....	.....	.....	43.51	.....	43.51	43.87	44.06	44.55	.....
28	51.30	.....	.....	.....	.....	43.38	.....	43.45	43.73	44.15	44.23	.....
29	51.30		.....	.....	.....	43.32	.....	43.45	.....	44.12	44.39	.....
30	51.23		.....	.....	.....	43.07	.....	43.55	.....	43.98	44.38	.....
31	51.39		.....		.....		.....	43.61		44.22		.....

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 1.42 below lsd, May 24, 1953; lowest 16.47 below lsd, Oct. 20, 1950. Records available: 1950-53.

Daily noon water level from recorder graph, 1951

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	13.91	.....	11.97	11.29	11.00	10.86	11.60	h11.86	11.66	11.26
2	.....	.....	13.78	.....	11.99	11.34	11.04	10.87	11.64	11.81	11.60	11.20
3	.....	.....	13.71	.....	11.90	11.22	10.66	11.00	11.70	11.87	11.22	11.13
4	.....	.....	13.79	.....	11.92	11.26	10.86	11.06	11.67	11.92	11.67	11.31
5	.....	14.34	13.69	.....	11.96	11.18	11.02	11.02	11.61	12.18	11.82	11.18
6	.....	14.32	13.72	h12.43	12.14	11.08	10.92	11.00	11.61	12.14	11.65	10.97
7	.....	14.51	13.75	12.23	12.11	11.00	10.82	11.07	11.74	12.14	11.68	11.46
8	.....	14.36	13.84	12.26	12.02	11.02	10.83	11.10	11.64	12.16	11.59	.....
9	.....	14.42	13.83	12.30	12.02	11.04	9.95	11.24	11.50	12.04	11.64	.....
10	.....	14.24	13.69	12.30	11.90	11.08	9.88	11.32	.....	11.98	11.70	.....
11	.....	14.18	13.71	12.22	11.82	11.04	10.04	11.40	.....	11.92	11.65	.....
12	.....	14.12	13.68	12.09	11.83	.....	10.08	11.43	h11.52	12.02	11.20	.....
13	.....	14.39	13.55	12.05	11.88	.....	.....	11.37	.....	12.02	10.88	.....
14	.....	14.34	.....	12.08	11.90	11.05	.....	11.37	.....	11.94	10.89	.....
15	.....	14.18	.....	12.26	11.92	10.94	.....	.....	.....	11.96	11.00	.....
16	.....	14.01	.....	12.30	11.86	10.80	.....	11.36	.....	11.92	11.13	.....
17	.....	.....	.....	.....	11.82	10.94	h10.42	11.36	h11.75	12.00	11.30	.....
18	.....	.....	.....	h12.25	11.73	10.90	10.40	11.44	11.78	11.93	11.18	.....
19	h14.42	.....	.....	12.40	11.70	10.84	10.42	11.42	11.76	11.88	.....	.....
20	14.53	13.88	.....	12.38	11.66	10.90	10.40	11.32	11.72	11.52	h11.04	.....
21	14.70	13.98	.....	12.20	11.68	10.88	10.38	11.46	11.90	.....	10.99	.....
22	14.39	13.96	.....	12.43	11.71	10.85	10.62	11.44	11.86	.....	11.15	.....
23	14.48	13.97	.....	12.38	11.74	10.93	10.66	11.41	11.90	.....	11.25	.....
24	14.53	13.86	.....	12.24	11.64	10.98	10.66	11.46	11.90	h11.43	11.38	.....
25	14.54	13.69	.....	12.17	11.58	10.98	10.60	11.18	11.94	11.38	11.10	.....
26	14.40	13.76	.....	12.21	11.20	10.90	10.56	11.31	11.56	11.44	11.41	.....
27	14.52	13.89	h13.09	12.00	11.26	10.88	10.55	11.28	12.02	11.41	11.32	h11.63
28	14.55	13.65	12.81	11.99	11.31	11.07	10.67	11.38	.....	11.38	11.30	.....
29	14.60		.....	12.01	11.30	10.98	10.76	11.40	.....	11.31	11.26	.....
30	.....		.....	12.00	11.37	10.92	10.78	11.42	.....	11.32	11.28	.....
31	.....		.....		11.25		10.80	11.54		11.64		.....

h Tape measurement.

Daily noon water level from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	10.58	....	....	8.30	....	3.48	2.84	3.00	8.47	9.50	9.12
2	....	10.44	....	9.43	8.30	....	3.39	2.84	3.13	8.73	9.72	9.20
3	....	10.41	....	9.46	8.24	....	3.40	2.76	3.39	8.57	9.84	9.15
4	....	....	....	9.54	8.07	....	3.37	2.84	3.50	8.70	9.50	9.13
5	....	....	....	9.64	8.01	....	3.31	2.90	3.72	8.80	9.55	9.18
6	....	....	....	9.70	8.08	....	3.23	2.87	4.16	8.94	9.80	8.98
7	....	10.58	....	9.62	7.80	....	3.22	2.79	4.45	8.99	9.76	9.10
8	....	10.66	....	9.52	7.84	....	....	2.72	4.73	8.88	9.68	8.97
9	....	10.64	....	9.72	7.68	....	3.12	2.78	5.15	9.00	9.84	9.08
10	....	10.51	....	....	7.70	....	3.09	2.78	5.53	8.96	9.84	9.10
11	....	10.72	....	9.69	7.52	....	3.16	2.74	5.79	8.95	9.72	8.88
12	....	10.58	....	9.56	7.58	4.99	3.14	2.79	5.99	8.94	9.78	9.18
13	....	10.60	....	9.50	7.50	5.01	3.11	2.73	6.20	9.08	9.71	9.11
14	....	10.80	....	9.72	7.15	4.91	3.02	2.68	6.53	9.25	9.69	9.04
15	....	10.75	....	9.80	7.35	4.80	3.02	2.62	6.88	9.12	9.84	9.02
16	....	....	....	9.82	7.32	4.70	2.95	2.73	7.02	9.21	9.87	....
17	10.92	....	....	9.76	7.27	4.76	2.98	2.75	7.14	9.41	9.49	....
18	11.03	....	....	9.65	....	4.63	2.90	2.77	7.33	9.30	....	....
19	10.38	....	....	9.64	....	4.67	2.87	2.66	7.64	9.34	9.41	....
20	10.72	....	8.98	9.65	....	4.39	2.79	2.64	7.78	9.58	9.38	....
21	10.08	....	9.23	9.53	....	4.25	2.88	2.70	7.89	9.47	9.48	....
22	10.25	10.84	8.87	....	....	....	2.85	2.76	7.92	9.34	9.48	....
23	10.77	10.80	9.21	....	....	....	3.03	2.70	8.01	9.44	9.54	....
24	10.67	10.88	9.30	....	....	....	2.97	2.67	8.06	9.39	9.48	....
25	....	10.91	9.39	....	....	....	2.84	2.61	8.09	9.38	9.14	....
26	....	10.70	9.46	....	....	....	2.97	2.43	8.25	....	9.27	....
27	....	10.63	9.46	....	....	....	2.89	2.47	8.21	....	9.42	....
28	10.77	10.68	9.40	8.57	....	3.68	2.90	2.61	8.24	....	9.42	....
29	10.83	10.75	....	8.50	....	3.64	2.90	2.65	8.45	....	....	....
30	10.74		....	8.41	....	3.56	2.93	2.69	8.39	....	....	....
31	10.66		....		....		2.98	2.76		9.52		....

80-17-17L1--Continued.

Daily noon water level from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	7.64	....	....	1.58	1.88	....	1.85	2.31	2.50	2.53	2.44
2	....	7.49	....	....	1.94	1.82	....	1.90	2.25	2.40	2.38	2.44
3	....	7.48	....	....	2.08	1.72	....	1.89	2.27	2.43	2.62	2.22
4	....	....	....	....	1.93	1.69	....	1.90	2.30	2.58	2.63	2.48
5	....	....	....	....	1.79	1.78	....	1.97	2.33	2.38	2.65	2.47
6	....	....	....	....	1.68	1.83	....	1.92	2.30	2.51	2.53	2.55
7	....	....	....	2.25	1.73	1.80	....	1.95	2.40	2.48	2.53	2.52
8	....	....	....	2.16	1.76	1.62	....	1.97	2.36	2.35	2.48	2.52
9	....	....	....	2.16	1.72	1.78	....	1.99	2.28	2.40	2.50	2.43
10	....	....	....	2.26	1.67	1.83	....	1.97	2.25	2.30	2.37	2.43
11	....	....	....	2.28	1.86	1.80	....	1.94	2.20	2.41	2.55	2.66
12	....	....	....	2.24	1.97	1.81	....	2.04	2.32	2.57	2.50	2.47
13	....	....	....	2.26	2.10	1.70	....	2.02	2.31	2.51	2.48	2.46
14	....	....	....	2.16	1.90	1.78	....	1.98	2.22	2.47	2.40	2.55
15	....	....	....	1.99	1.85	1.72	....	2.06	2.25	2.47	2.38	2.45
16	....	....	....	....	1.80	1.81	....	2.13	2.30	2.43	2.42	2.80
17	....	....	....	....	1.75	1.87	....	2.20	2.18	2.40	2.42	2.76
18	....	....	....	....	1.82	1.73	....	2.20	2.31	2.38	2.41	2.49
19	....	....	....	....	1.85	1.78	....	2.17	2.31	2.48	2.42	2.39
20	....	....	....	....	1.73	1.74	....	2.18	2.34	2.48	2.28	2.32
21	....	....	....	....	1.80	....	....	2.20	2.53	2.44	2.55	2.40
22	....	....	....	....	1.66	....	....	2.18	2.54	2.48	2.45	2.75
23	....	....	....	....	1.78	....	....	2.13	2.36	2.49	2.28	2.64
24	....	....	....	1.85	1.50	....	....	2.12	2.30	2.47	2.43	2.46
25	....	....	....	1.64	1.43	....	....	2.20	2.37	2.42	2.49	2.47
26	7.56	....	....	1.85	1.68	....	....	2.24	2.18	2.47	2.42	2.52
27	7.67	....	....	1.84	1.78	....	....	2.25	2.36	2.42	2.75	2.35
28	7.58	....	....	1.68	1.71	....	1.75	2.21	2.27	2.46	2.63	2.38
29	7.57		....	1.60	1.60	....	1.88	2.19	2.22	2.50	2.56	2.43
30	7.51		....	1.52	1.52	....	1.96	2.25	2.63	2.37	2.62	2.62
31	7.63		....		1.75		1.92	2.30		2.49		2.39

80-17-17L4. State Conservation Commission test hole 4. Drilled observation artesian well in Red Rock channel sandstone of Pennsylvanian age, diameter 7 inches, depth 85 feet, cased to 32. Land-surface datum is about 852 feet above msl. Highest water level 2.80 above lsd, June 29, 1952; lowest 9.40 below lsd, Oct. 20, 1950. Records available: 1950-53. Measurement discontinued.

Noon water level, above and below lsd, from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	-2.12	Jan. 15	-1.70	Jan. 29	-0.94	Feb. 12	+0.40
2	2.15	16	1.67	30	.93	13	.62
3	2.13	17	1.20	31	1.04	14	.58
4	2.22	18	1.27	Feb. 1	1.02	15	.70
5	2.07	19	1.20	2	.93	16	.55
6	2.13	20	1.26	3	.89	17	.67
7	2.11	21	1.14	4	.85	18	.79
8	2.15	22	1.16	5	.66	19	.88
9	2.01	23	1.08	6	.72	20	2.05
10	2.17	24	1.10	7	.60	21	2.08
11	2.09	25	1.12	8	.49	22	2.43
12	2.29	26	.96	9	.41	23	2.45
13	2.10	27	1.05	10	-.03	24	2.66
14	2.05	28	.95	11	+.37		

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 99.45 below lsd, Oct. 30, 1953; lowest 110.56 below lsd, Dec. 12, 1951. Records available: 1950-53.

Daily noon water level from recorder graph

Jan. 26	104.06	Apr. 10	102.63	Apr. 23	102.38	Apr. 29	101.82
27	104.25	11	102.72	24	101.96	30	101.58
28	104.20	12	102.69	25	101.80	May 1	101.76
Apr. 7	102.65	13	102.72	26	102.37	8	102.14
8	102.44	14	102.52	27	102.39	9	102.13
9	102.40	15	102.00	28	102.06	10	102.14

80-17-17M2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 11	101.89	June 14	101.16	Aug. 4	100.38	Oct. 18	99.66
12	102.06	15	100.96	5	100.54	19	99.74
13	102.38	16	100.72	6	100.41	20	99.82
14	102.07	17	100.63	26	100.13	21	99.76
15	101.94	18	100.94	27	100.12	22	99.78
16	101.78	19	100.95	28	100.00	28	99.64
17	101.83	20	101.09	29	99.90	29	99.76
June 5	101.30	21	100.51	30	99.98	30	99.48
6	101.44	July 27	100.72	31	100.06	31	99.70
7	101.34	28	100.48	Oct. 12	99.98	Nov. 1	99.79
8	101.06	29	100.28	13	99.97	2	99.51
9	101.44	30	100.16	14	99.93	3	99.97
10	101.51	31	100.26	15	99.89	4	100.08
11	101.47	Aug. 1	100.36	16	99.80	5	100.22
12	101.42	2	100.39	17	99.72	6	100.03
13	101.10	3	100.36				

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 1953.

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: 1948-53. Jan. 26, 3.53; Apr. 17, 2.23; July 22, 3.78.

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 1.79 below lsd, Apr. 7, 1953; lowest 5.88 below lsd, Dec. 14, 1950. Records available: 1948-53. Jan. 26, 4.25; Apr. 7, 1.79.

Jefferson County

72-10-25A1. City of Fairfield well 1. Drilled unused artesian well in glacial sand and gravel, diameter 6 inches, depth 150 feet. Land-surface datum is about 723 feet above msl. Highest water level 13.93 below lsd, Jan. 28, 1953; lowest 45.27 below lsd, Oct. 30, 1953. Records available: 1949-53. Jan. 28, 13.93; July 29, 13.98; Oct. 30, 45.27.

Johnson County

80-5-9K3. U. S. Geol. Survey. Frank Miller. Morse. Driven observation water-table 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 8.68 below lsd, Nov. 7, 1953. Records available: 1950-53.

Jan. 3	-5.52	Apr. 3	-2.18	July 4	-5.59	Oct. 4	-7.70
9	5.98	11	4.23	10	5.05	10	7.53
17	5.23	18	4.72	18	5.80	15	7.26
24	6.01	26	4.67	25	5.52	25	8.39
Feb. 1	6.37	May 1	1.85	Aug. 1	6.10	30	8.37
6	3.81	10	4.18	7	6.19	Nov. 7	8.68
14	5.03	16	4.94	16	6.62	13	7.98
20	1.28	23	3.47	22	6.90	21	8.06
Mar. 1	4.92	29	3.77	29	6.75	27	7.84
6	-5.53	June 6	5.25	Sept. 4	7.49	Dec. 5	7.68
14	+.60	12	5.16	13	7.26	11	7.57
20	-2.57	20	5.83	19	6.85	19	7.55
28	4.02	28	5.48	26	7.00	25	7.30

80-5-22M1. Chicago, Rock Island & Pacific Railway. Dug unused water-table well in glacial drift, diameter 4 feet, depth 19 feet, cribbed with brick. Highest water level 5.88 below lsd, May 2-6, 1953; lowest 18.63 below lsd, Dec. 28-30, 1949. Records available: 1941-53.

80-5-22M1--Continued.

Daily noon water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	Oct.	Nov.	Dec.
1	.....	14.10	8.77	.....	6.04	7.97	.....	18.01	18.26
2	.....	14.25	9.24	.....	5.88	8.47	.....	18.03	18.27
3	.....	14.30	9.65	.....	5.88	8.77	.....	18.03	18.26
4	.....	14.33	9.96	.....	5.88	9.03	.....	18.05	18.23
5	.....	14.40	10.10	.....	5.88	9.35	.....	18.06	18.20
6	.....	14.42	12.29	.....	5.88	9.69	.....	18.08	18.22
7	.....	13.46	10.48	.....	5.95	9.94	.....	18.09	18.19
8	.....	12.48	10.72	.....	6.22	9.90	.....	18.09	18.18
9	.....	12.05	10.98	.....	6.60	9.75	.....	18.11	18.16
10	.....	11.98	11.19	.....	6.96	9.74	.....	18.12	18.13
11	.....	12.17	11.21	.....	7.43	9.80	.....	18.12	18.10
12	.....	12.27	11.31	.....	7.90	9.89	.....	18.13	18.08
13	13.38	12.25	11.00	8.16	8.42	9.95	.....	18.14	18.07
14	13.40	12.20	10.50	8.43	8.70	10.10	.....	18.15	18.02
15	13.35	12.20	10.20	8.48	8.90	10.25	.....	18.16	17.99
16	13.51	12.15	10.00	8.83	9.10	10.35	.....	18.16	17.97
17	13.50	12.26	9.83	9.04	9.29	10.57	.....	18.17	17.97
18	13.27	12.33	9.03	9.20	9.52	10.67	.....	18.18	17.99
19	13.31	12.52	8.30	9.31	9.72	10.80	.....	18.18	17.99
20	13.37	12.55	7.80	9.49	9.84	10.93	.....	18.18	17.94
21	13.48	12.54	7.58	9.54	9.95	.....	17.88	18.17	17.88
22	13.55	10.06	7.55	9.55	10.08	.....	17.90	18.19	17.83
23	13.63	6.98	7.58	9.80	9.56	.....	17.90	18.20	17.83
24	13.65	7.10	7.50	9.89	9.06	.....	17.92	18.19	17.85
25	13.74	7.37	7.47	9.69	6.22	.....	17.94	18.19	17.84
26	13.86	7.83	7.72	9.52	5.95	.....	17.94	18.20	17.81
27	13.88	8.19	7.82	9.29	5.95	.....	17.96	18.21	17.76
28	13.93	8.49	7.71	8.88	6.00	.....	17.96	18.21	17.75
29	14.01		7.71	8.61	6.25	.....	17.98	18.24	17.72
30	14.06		7.80	8.22	6.65	.....	17.98	18.24	17.72
31	14.05		7.89		7.32		18.00		17.74

* No record for July, August, and September.

80-5-22M2. Chicago, Rock Island & Pacific Railway. 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: 1941-53. Jan. 12, 15.54; Apr. 13, 14.64; May 21, 14.78; Oct. 20, 17.45.

Lee County

67-5-14L1. U. S. Geol. Survey. Driven observation water-table well in alluvial sand, diameter $1\frac{1}{4}$ 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 8.66 below lsd, Oct. 30, 1953. Records available: 1950-53. Jan. 29, 8.31; Apr. 28, 6.94; July 29, 7.80; Oct. 30, 8.66.

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: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	5.55	Apr. 28	4.94	Aug. 28	6.30	Nov. 30	6.18
Feb. 25	5.43	May 27	4.91	Sept. 28	6.80	Dec. 28	5.94
Mar. 31	4.32	July 27	6.10	Oct. 26	6.55		

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 8.55 below lsd, Dec. 28, 1953. Records available: 1940-53.

Jan. 28	4.74	Apr. 28	3.52	July 27	5.01	Oct. 26	7.80
Feb. 25	2.58	May 27	3.10	Aug. 28	6.42	Nov. 30	8.25
Mar. 31	1.68	June 29	4.00	Sept. 28	7.30	Dec. 28	8.55

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 64.95 below lsd, Nov. 13, 1940. Records available: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	63.48	Apr. 28	61.54	July 27	61.31	Oct. 26	63.82
Feb. 25	63.31	May 27	61.17	Aug. 28	62.00	Nov. 30	64.54
Mar. 31	62.40	June 29	60.80	Sept. 28	62.30	Dec. 28	64.48

84-7-11R1. Clifford Burns. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 29 feet, lined with tile. Highest water level 2.82 below lsd, Apr. 26, 1951; lowest 10.06 below lsd, Dec. 28, 1949. Records available: 1948-53.

Jan. 28	6.48	Apr. 28	3.86	July 27	5.68	Oct. 26	9.50
Feb. 25	5.45	May 27	3.79	Aug. 28	6.93	Nov. 30	9.55
Mar. 31	4.27	June 29	4.42	Sept. 28	8.59	Dec. 28	9.19

84-7-13E2. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 17 feet, perforations 12-17. Highest water level 1.56 below lsd, Mar. 29, 1951; lowest 12.03 below lsd, Sept. 30, 1948. Records available: 1940-53.

Jan. 28	7.07	Apr. 28	2.23	July 27	4.74	Oct. 26	6.95
Feb. 25	4.36	May 27	2.33	Aug. 28	5.78	Nov. 30	9.92
Mar. 31	2.09	June 29	3.26	Sept. 28	7.95	Dec. 28	9.99

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: 1940-53.

Jan. 28	5.43	Apr. 28	3.19	Sept. 28	7.89	Nov. 30	8.96
Feb. 25	3.80	May 27	2.90	Oct. 26	8.44	Dec. 28	9.16
Mar. 31	2.70	Aug. 28	6.53				

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: 1940-53.

Jan. 28	6.74	Apr. 28	4.18	July 27	5.52	Oct. 26	9.62
Feb. 25	6.54	May 27	3.55	Aug. 28	7.20	Nov. 30	13.00
Mar. 31	4.90	June 29	3.85	Sept. 28	8.64	Dec. 28	(f)

f Dry.

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 1953.

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: 1940-53.

Jan. 28	31.57	Apr. 28	29.79	July 27	32.46	Oct. 26	34.75
Feb. 25	30.76	May 27	28.10	Aug. 28	32.81	Nov. 30	32.19
Mar. 31	29.97	June 29	30.20	Sept. 28	31.78	Dec. 28	32.22

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: 1940-53.

Jan. 28	88.28	May 27	85.79	Aug. 28	89.19	Nov. 30	90.70
Feb. 25	87.69	June 29	86.85	Sept. 28	89.92	Dec. 28	90.57
Apr. 28	86.20	July 27	87.86	Oct. 26	90.13		

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. No measurement made in 1953.

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 21.86 below lsd, Dec. 28, 1949. Records available: 1940-53.

Jan. 28	20.78	Apr. 28	20.29	July 27	20.85	Oct. 26	21.01
Feb. 25	19.64	May 27	20.59	Aug. 28	21.14	Nov. 30	21.20
Mar. 31	20.08	June 29	20.63	Sept. 28	21.16	Dec. 28	21.09

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. Water levels affected by nearby pumping wells. Highest water level 56.76 below lsd, Apr. 23, 1944; lowest 71.03 below lsd, Sept. 3, 1953. Records available: 1943-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	67.43	.....	67.84	.....	69.34	.....	66.75	70.43	70.67	70.32	70.23	70.12
2	67.80	.....	68.15	.....	69.30	.....	66.81	70.28	70.78	70.33	70.22	70.15
3	67.94	.....	68.19	.....	69.26	.....	66.77	70.32	70.83	70.46	70.41	70.10
4	67.94	.....	.....	.....	69.25	.....	66.38	70.48	70.74	70.38	70.40	70.21
5	67.98	.....	.....	68.47	69.21	.....	66.21	70.40	67.15	70.13	70.35	70.09
6	.....	.....	.....	68.85	69.21	.....	66.21	70.33	66.75	70.21	70.32	70.07
7	.....	.....	.....	69.09	68.75	69.43	69.50	70.19	66.28	70.17	70.28	70.02
8	.....	.....	.....	69.11	69.29	69.35	69.66	70.25	70.04	70.12	70.19	70.04
9	68.11	.....	.....	.....	.....	69.57	69.68	70.08	69.98	70.05	70.23	70.01
10	68.08	.....	.....	.....	.....	69.67	69.71	70.07	69.92	69.70	70.22	70.00
11	68.11	.....	.....	68.81	.....	69.72	69.75	70.23	70.08	70.16	70.33	67.19
12	68.08	.....	.....	68.66	.....	69.83	69.59	70.29	69.85	70.23	70.26	66.60
13	64.96	.....	.....	69.12	.....	69.82	69.61	70.31	69.45	70.30	69.85	66.48
14	67.40	.....	.....	69.19	.....	69.69	69.79	70.37	69.68	70.27	69.75	69.65
15	68.03	.....	67.81	66.42	.....	69.60	69.89	70.35	.....	70.25	70.17	69.75
16	68.16	.....	68.15	65.91	.....	69.77	69.96	70.18	.....	70.42	70.22	69.88
17	68.05	.....	68.36	65.83	69.44	69.77	70.03	70.17	.....	70.47	.....	69.87
18	68.11	.....	68.28	65.62	69.46	69.83	70.01	70.27	.....	69.91	.....	69.82
19	68.14	.....	68.29	68.77	69.46	69.97	69.93	70.33	.....	70.46	.....	69.85
20	68.15	.....	68.29	68.89	69.38	69.97	69.97	70.25	66.69	70.59	.....	69.81
21	68.13	.....	68.27	68.95	69.46	69.86	70.07	70.26	69.90	70.59	70.30	69.86
22	68.19	67.65	.....	69.11	69.33	69.86	70.19	70.25	69.96	70.58	70.17	.....
23	68.18	67.97	.....	69.22	69.31	70.06	.....	70.19	69.93	70.70	70.11	.....
24	68.25	68.07	.....	69.21	69.20	70.08	.....	70.15	70.01	70.58	70.23	.....
25	68.19	68.19	.....	69.22	69.26	70.11	.....	70.47	70.08	70.43	70.27	.....
26	68.13	68.20	.....	69.23	69.54	70.06	70.17	.....	69.94	70.40	69.77	.....
27	68.21	68.11	.....	69.19	.....	70.08	70.18	.....	69.95	.....	70.04	69.99
28	68.24	68.13	.....	69.25	.....	67.30	70.31	.....	69.95	.....	70.09	70.04
29	.....		.....	69.23	.....	66.65	70.49	.....	70.22	.....	70.09	70.13
30	.....		.....	69.34	.....	66.75	70.51	70.07	70.34	.....	70.13	70.18
31	.....		.....		.....		70.49	70.43		.....		70.11

83-7-21L1. City of Cedar Rapids. Drilled unused artesian well, diameter 10 inches, reported depth 1,450 feet. Land-surface datum is about 733 feet above msl. Highest water level 20.92 below lsd, Apr. 15, 1940; lowest 85.28 below lsd, Aug. 4, 1953. Records available: 1940-53. Measurement discontinued.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	63.65	63.98	.....	.....	71.12	.....	80.00	.....	78.75	73.20	69.68	.....
2	63.06	63.63	.....	.....	71.10	.....	80.05	81.70	.....	73.20	71.81	.....
3	65.19	64.68	.....	.....	70.66	.....	80.20	80.25	.....	74.41	70.61	.....
4	65.20	63.28	.....	.....	69.70	.....	78.00	81.95	.....	.....	70.71	.....
5	64.70	62.46	.....	67.87	68.81	.....	.....	83.82	.....	.....	.....	.....
6	65.03	64.58	.....	67.01	68.56	.....	.....	80.10	72.20	.....	.....	.....
7	65.50	63.50	.....	69.53	68.55	75.30	78.40	78.02	71.20	.....	.....	.....
8	65.45	62.22	.....	70.01	69.22	74.10	79.39	79.02	70.25	.....	.....	.....
9	65.35	63.24	.....	69.90	71.92	76.65	78.65	77.50	72.70	.....	.....	.....
10	64.77	64.19	.....	70.18	.....	77.60	78.30	76.00	71.60	.....	.....	.....
11	65.10	64.13	.....	69.05	.....	78.20	78.67	77.90	.....	71.66	.....	.....
12	64.34	64.40	.....	68.18	.....	78.65	77.20	.....	.....	.....	.....	.....
13	64.15	64.36	.....	67.10	.....	79.12	75.75	.....	70.69	.....	.....	.....
14	64.40	64.43	.....	69.37	.....	.....	78.05	.....	69.00	.....	.....	.....
15	65.60	64.33	58.35	69.70	.....	.....	78.70	.....	70.62	.....	.....	.....
16	66.33	63.52	57.35	69.17	.....	.....	79.25	78.00	71.64	.....	.....	.....
17	65.87	64.37	58.63	69.42	72.33	.....	79.90	76.60	71.80	74.05	.....	.....
18	65.97	64.10	.....	69.05	71.72	.....	79.80	78.02	71.99	71.99	.....	.....
19	65.08	64.45	.....	69.90	72.58	.....	.....	78.37	73.05	72.08	.....	.....
20	65.67	64.32	.....	69.43	73.26	.....	.....	78.48	71.92	73.89	.....	.....
21	63.50	64.30	.....	69.62	73.80	80.45	.....	77.82	71.40	73.20	.....	.....
22	64.83	58.20	65.73	70.06	73.77	79.10	.....	77.65	71.22	73.16	.....	.....
23	64.82	57.05	66.50	71.05	73.62	80.62	.....	.....	70.91	74.95	.....	.....
24	64.69	58.40	67.65	71.43	72.88	80.10	.....	.....	71.08	75.01	.....	.....
25	64.07	62.97	66.76	71.26	72.00	80.85	.....	.....	71.55	.....	.....	.....

83-7-21L1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	63.23	63.54	66.85	71.10	74.95	80.82	80.30	.....	70.98	.....	.....	.....
27	63.66	63.00	67.05	70.34	.....	80.50	78.67	.....	70.30	.....	.....	.....
28	64.39	63.43	65.82	70.79	.....	79.33	80.75	.....	69.63	.....	.....	.....
29	64.55		.....	70.76	.....	77.67	85.25	78.00	71.49	.....	.....	.....
30	63.94		.....	71.00	.....	79.20	.....	77.15	73.70	.....	.....	.....
31	64.39		.....		.....		.....	75.85		.....		.....

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	65.33	65.33	.....	.....	72.04	.....	83.25	.....	83.42	75.90	71.87	.....
2	66.63	66.23	.....	.....	72.30	.....	83.45	84.40	.....	77.55	69.40	.....
3	66.86	66.40	.....	.....	71.66	.....	83.25	84.75	.....	78.44	72.62	.....
4	66.43	66.20	.....	.....	71.80	.....	81.80	85.28	.....	.....	72.14	.....
5	66.98	65.36	.....	69.23	71.44	.....	.....	81.05	.....	.....	.....	.....
6	66.86	66.46	.....	70.43	71.02	.....	.....	83.80	77.35	.....	.....	.....
7	67.50	65.33	.....	71.11	70.80	78.30	82.68	82.35	72.20	.....	.....	.....
8	67.13	64.60	.....	71.25	73.01	78.28	82.03	81.40	75.10	.....	.....	.....
9	67.30	65.95	.....	71.39	74.72	80.04	80.58	80.05	75.00	.....	.....	.....
10	66.55	66.19	.....	71.53	.....	80.67	81.55	80.70	75.70	73.00	.....	.....
11	66.17	66.34	.....	71.08	.....	80.98	81.40	81.70	.....	72.92	.....	.....
12	66.38	66.37	.....	69.05	.....	82.02	80.20	.....	.....	.....	.....	.....
13	66.37	66.29	.....	70.30	.....	81.60	80.78	.....	73.49	.....	.....	.....
14	67.12	66.45	.....	70.91	.....	.....	82.02	.....	73.28	.....	.....	.....
15	67.96	65.77	62.44	70.80	.....	.....	82.58	.....	74.02	.....	.....	.....
16	68.06	66.20	64.55	70.44	.....	.....	83.14	81.00	74.68	.....	.....	.....
17	67.44	66.37	64.12	70.60	73.25	.....	83.10	82.70	74.65	.....	.....	.....
18	67.04	66.20	.....	70.83	74.00	.....	83.10	83.55	76.72	74.05	.....	.....
19	67.22	66.42	.....	70.67	74.47	.....	.....	83.38	75.60	76.20	.....	.....
20	67.59	66.02	.....	70.72	75.25	.....	.....	81.50	74.05	77.59	.....	.....
21	66.24	65.77	.....	70.88	75.00	82.78	.....	81.23	73.20	77.65	.....	.....
22	66.68	64.90	66.80	71.93	74.83	82.95	.....	81.15	73.05	78.26	.....	.....
23	67.30	64.20	69.65	72.56	75.26	84.25	.....	.....	73.25	76.51	.....	.....
24	66.42	64.60	70.10	72.24	74.95	84.70	.....	.....	73.85	73.97	.....	.....
25	65.57	65.20	68.78	72.43	76.38	84.10	.....	.....	73.90	.....	.....	.....
26	65.72	65.22	69.30	71.88	78.15	84.00	83.05	.....	72.95	.....	.....	.....
27	66.04	65.30	68.85	71.89	.....	83.62	83.30	.....	72.25	.....	.....	.....
28	66.30	.....	67.70	71.98	.....	82.70	84.60	.....	73.78	.....	.....	.....
29	66.38		.....	72.12	.....	82.55	81.75	81.05	76.67	.....	.....	.....
30	66.27		.....	72.57	.....	83.75	.....	79.90	75.91	.....	.....	.....
31	66.38		.....		.....		.....	82.42		73.10		.....

83-7-21P1. Kresge Co. First Ave. SE. and Third St. NE. Cedar Rapids. Drilled artesian well in dolomite of Silurian age. Highest water level 38.98 below lsd, Feb. 23, 1942; lowest 84.20 below lsd, May 28, 1948. Records available: 1941-53. Feb. 25, 71.53; Apr. 28, 77.68.

83-7-23G1. City of Cedar Rapids. Bever Park. Drilled city park artesian well, diameter 5 inches, depth 81 feet. Highest water level 1.04 below lsd, June 30, 1952; lowest 4.68 below lsd, Sept. 23, 1940, Aug. 19, 1941. Records available: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	2.72	Apr. 28	1.78	July 27	2.39	Oct. 26	2.84
Feb. 25	2.15	May 27	1.93	Aug. 28	2.72	Nov. 30	2.57
Mar. 31	1.73	June 29	2.19	Sept. 28	2.80	Dec. 28	2.56

83-7-24A1. John Zrudsky. Drilled unused 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: 1940-53.

Jan. 28	30.21	Apr. 28	30.38	Aug. 28	34.70	Nov. 30	36.93
Feb. 25	28.80	May 27	28.54	Sept. 28	33.91	Dec. 28	30.86
Mar. 31	30.43	July 27	31.34	Oct. 26	35.33		

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 94.70 below lsd, Sept. 28, 1953. Records available: 1940-53.

83-7-32G1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	87.58	Apr. 28	88.29	July 27	92.49	Oct. 26	94.39
Feb. 25	87.94	May 27	88.53	Aug. 28	94.40	Nov. 30	92.63
Mar. 31	87.98	June 29	90.60	Sept. 28	94.70	Dec. 28	91.59

83-7-33F1. Hedges Company 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: 1940-53.

Jan. 28	72.89	Apr. 28	72.60	July 27	72.90	Oct. 26	73.20
Feb. 25	72.14	May 27	72.70	Aug. 28	73.20	Nov. 30	73.23
Mar. 31	72.28	June 29	71.90	Sept. 28	73.00	Dec. 28	73.13

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: 1940-53.

Jan. 28	50.85	Apr. 28	51.61	July 27	50.67	Oct. 26	51.58
Feb. 25	50.36	May 27	50.08	Aug. 28	50.98	Nov. 30	51.71
Mar. 31	50.39	June 29	51.63	Sept. 28	53.50	Dec. 28	51.70

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: 1950-53. Mar. 31, 45.28; Apr. 28, 33.26; May 27, 38.09; July 27, 58.50; Nov. 30, 48.30; Dec. 28, 42.73.

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, 1947-53. Jan. 28, 5.49; Apr. 21, 2.12; July 21, 3.45; Oct. 28, 4.17.

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: 1940-53. Jan. 27, 15.05; Apr. 30, 13.55; July 28, 15.02; Oct. 28, 15.33.

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. Water levels affected by nearby pumping wells. Highest water level 2.70 below lsd, June 8, 1951; lowest 21.68 below lsd, Feb. 7, 1950. Records available: 1949-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.09	18.43	16.59	14.95	14.21	.....	.....	15.81	17.68	19.37	20.05	20.22
2	19.09	18.39	16.60	14.74	14.27	.....	.....	16.04	17.86	19.43	20.04	20.17
3	19.17	18.40	16.58	14.56	14.10	.....	.....	16.06	17.97	19.49	20.09	20.16
4	.....	18.37	16.54	14.44	13.98	.....	.....	16.18	18.16	19.52	20.10	20.16
5	.....	18.41	16.59	14.20	13.91	.....	.....	16.30	18.19	19.53	20.13	20.20
6	.....	18.43	16.63	13.99	13.75	.....	.....	16.40	18.24	19.56	20.13	20.20
7	.....	18.42	16.72	13.88	13.67	.....	.....	16.43	18.20	19.45	20.18	20.21
8	19.62	18.40	16.63	13.68	13.62	.....	.....	16.40	18.27	19.47	20.15	20.20
9	19.64	18.36	16.59	13.63	13.63	.....	.....	16.28	18.33	19.50	20.11	20.25
10	19.70	18.27	16.69	13.58	13.61	.....	.....	16.23	18.32	19.57	20.19	20.22
11	19.71	18.18	16.69	13.74	13.54	.....	.....	16.17	18.42	19.57	20.20	20.23
12	19.64	18.09	16.70	13.70	13.65	.....	12.71	16.22	18.55	19.56	20.17	20.26
13	19.68	17.98	16.70	13.67	13.81	.....	12.83	16.24	18.53	19.62	20.20	20.18
14	19.65	17.91	16.67	13.69	13.83	.....	13.06	16.33	18.60	19.61	20.26	20.15
15	19.51	17.80	16.58	13.68	13.89	.....	13.30	16.38	18.66	19.64	20.22	20.09
16	19.41	17.76	16.52	13.60	14.02	.....	13.47	16.44	18.64	19.69	20.20	20.07
17	19.37	17.70	16.52	13.84	13.99	.....	13.61	16.56	18.74	19.75	20.24	20.04
18	19.31	17.64	16.43	13.97	13.97	.....	13.76	16.62	18.73	19.77	20.27	20.11
19	19.21	17.60	16.35	13.96	14.05	.....	13.88	16.76	18.87	19.77	20.29	20.19
20	19.10	17.55	16.23	14.00	14.02	.....	13.99	.....	18.88	19.80	20.32	20.19

76-19-5N1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	18.99	17.55	16.10	13.98	14.09	.....	14.07	.....	18.94	19.81	20.38	20.23
22	18.89	17.35	15.93	14.02	14.16	.....	14.24	.....	19.01	19.84	20.36	20.28
23	18.82	17.19	15.83	14.10	14.39	.....	14.43	.....	18.96	19.85	20.34	20.26
24	18.77	17.05	15.74	14.18	14.31	.....	14.59	.....	19.06	19.84	20.27	20.20
25	18.70	16.84	15.55	14.25	14.23	.....	14.77	.....	19.13	19.94	20.25	20.18
26	18.58	.....	15.49	14.30	14.36	.....	14.90	.....	19.22	19.88	20.25	20.18
27	18.53	.....	15.40	14.28	14.30	.....	14.98	.....	19.20	19.94	20.26	20.21
28	18.48	.....	15.44	14.25	14.20	.....	15.16	.....	19.17	19.89	20.25	20.21
29	18.45		15.32	14.10	14.29	.....	15.26	.....	19.27	19.98	20.26	20.23
30	18.42		15.16	14.19	14.35	.....	15.44	17.61	19.32	20.00	20.23	20.25
31	18.44		15.13		.....		15.61	17.56		20.09		20.28

75-20-22H1. Union Central Life Insurance Co. Dug unused water-table well in glacial drift, diameter 5 feet, depth 15 feet, cribbed with brick. Highest water level 1.60 below lsd, June 21, 1945; lowest 13.07 below lsd, Feb. 10, 1941. Records available: 1940-52. No measurement made in 1953.

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: 1940-53. Jan. 28, 13.50; Apr. 28, 7.01; July 17, 14.30; Oct. 28, 27.42.

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. Water levels affected by nearby pumping well. Highest water level 32.91 below lsd, June 17, 1945; lowest 87.96 below lsd, Oct. 24, 1948. Records available: 1945-46, 1948-53. Jan. 28, 81.84; Apr. 28, 81.35; July 16, 81.91; Oct. 28, 82.11.

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. Land-surface datum is 942.8 feet above msl. Water levels affected by nearby pumping well. Highest water level 46.03 below lsd, July 14, 1945; lowest 108.85 below lsd, Dec. 4, 6-7, 1949. Records available: 1945-53.

Daily highest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	July	Aug.	Sept.	Oct.
1	105.30	107.05	107.25	106.75	106.65	.....	107.45	107.80	107.65
2	105.00	107.05	107.25	106.75	106.65	.....	107.50	107.80	107.65
3	.....	107.15	107.15	106.70	106.65	.....	107.50	107.75	107.50
4	.....	107.10	107.15	106.75	106.65	.....	107.45	107.75	107.55
5	.....	107.00	107.15	106.85	106.75	.....	107.45	107.75	107.55
6	.....	107.15	107.20	106.75	106.70	.....	107.45	107.70	107.55
7	102.75	107.20	107.15	106.70	106.65	107.65	107.50	107.70	107.55
8	101.50	107.25	107.25	106.70	106.70	107.55	107.50	107.70	107.55
9	100.85	107.25	107.15	106.75	106.75	107.60	107.45	107.65	107.55
10	102.75	107.35	107.15	106.65	106.80	107.55	107.45	107.65	107.50
11	105.20	107.25	107.20	106.75	106.85	107.70	107.45	107.65	107.45
12	106.20	107.35	107.10	106.70	106.90	107.45	107.50	107.65	107.45
13	106.50	107.25	107.05	106.75	106.85	107.55	107.50	107.65	107.45
14	106.30	107.25	107.00	106.75	106.80	107.65	107.50	107.60	107.30
15	106.25	107.20	107.00	106.70	106.80	107.60	.....	107.60	107.20
16	.....	107.25	106.90	106.75	106.80	107.55	.....	107.65	107.20
17	.....	.....	106.90	106.75	106.80	107.55	107.45	107.65	107.15
18	.....	.....	106.90	106.75	106.80	107.45	107.45	107.60	107.15
19	.....	.....	106.95	106.75	106.85	107.45	107.45	107.60	107.25
20	106.85	107.10	106.90	106.75	106.75	107.10	107.45	107.65	107.10
21	107.15	107.15	106.85	106.70	106.80	107.05	107.50	107.45	107.10
22	106.80	107.20	106.95	106.70	106.75	107.25	107.55	107.50	106.95
23	106.85	107.25	106.85	106.75	106.80	107.35	107.65	107.50	106.95
24	106.80	107.25	106.85	106.70	106.80	107.35	108.00	107.55	106.95
25	106.90	107.25	106.85	106.65	.....	107.35	107.60	107.60	.....
26	106.90	107.25	106.80	106.75	.....	107.50	107.95	107.55	.....
27	106.85	107.25	106.75	106.65	.....	107.50	107.75	107.65	106.85
28	106.90	107.25	106.75	106.65	.....	107.45	107.75	107.65	106.75
29	106.85		106.75	106.70	.....	107.45	107.75	107.70	107.15
30	106.90		106.75	106.65	.....	107.45	107.80	107.70	107.10
31	107.00		106.75		.....	107.45	107.75		106.95

* No record for June, November, and December.

74-21-11K1--Continued.

Daily lowest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	July	Aug.	Sept.	Oct.
1	105.55	107.85	108.00	107.60	107.55	.....	108.20	108.35	108.30
2	105.30	107.90	107.90	107.55	107.55	.....	108.15	108.35	108.25
3	.....	107.85	107.95	107.60	107.60	.....	108.15	108.30	108.15
4	.....	107.85	107.90	107.65	107.60	.....	108.15	108.35	108.20
5	.....	107.85	107.95	107.65	107.65	.....	108.15	108.30	108.20
6	.....	107.90	107.90	107.60	107.60	.....	108.15	108.30	108.20
7	103.85	108.00	107.90	107.55	107.65	108.20	108.15	108.30	108.20
8	102.75	107.95	107.95	107.60	107.65	108.20	108.15	108.30	108.20
9	104.20	108.00	107.90	107.55	107.70	108.15	108.15	108.30	108.15
10	105.45	108.05	107.95	107.55	107.75	108.20	108.15	108.25	108.15
11	106.30	108.00	107.90	107.55	107.75	108.20	108.20	108.30	108.05
12	107.10	108.00	107.85	107.65	107.75	108.15	108.20	108.30	108.15
13	107.45	108.00	107.85	107.65	107.75	108.20	108.20	108.25	108.15
14	107.35	108.00	107.80	107.55	107.70	108.25	108.15	108.25	107.95
15	107.20	107.95	107.80	107.60	107.75	108.20	.....	108.25	107.95
16	.....	107.95	107.75	107.60	107.70	108.10	.....	108.30	107.85
17	.....	.....	107.75	107.55	107.70	108.05	108.15	108.25	107.85
18	.....	.....	107.75	107.55	107.70	107.90	108.15	108.25	107.70
19	.....	.....	107.75	107.60	107.75	107.70	108.15	108.25	107.95
20	107.75	107.90	107.70	107.55	107.65	107.45	108.15	108.20	107.65
21	107.75	107.90	107.70	107.55	107.65	107.95	108.20	108.15	107.95
22	107.70	107.90	107.75	107.50	107.70	108.05	108.25	108.10	107.60
23	107.70	107.95	107.65	107.55	107.65	108.10	108.25	108.20	107.70
24	107.75	107.95	107.65	107.50	107.60	108.10	108.30	108.25	107.75
25	107.75	107.95	107.65	107.50	.....	108.15	108.25	108.25	.....
26	107.75	107.95	107.55	107.55	.....	108.15	108.35	108.25	.....
27	107.75	108.00	107.55	107.55	.....	108.15	108.35	108.30	107.65
28	107.70	108.00	107.60	107.50	.....	108.15	108.35	108.25	107.65
29	107.75		107.65	107.45	.....	108.15	108.35	108.30	107.75
30	107.80		107.65	107.45	.....	108.15	108.35	108.30	107.85
31	107.85		107.55		.....	108.15	108.35		107.85

* No record for June, November, and December.

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: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	6.73	Apr. 9	4.60	July 9	7.87	Oct. 8	14.88
8	6.77	16	4.70	16	8.50	15	15.15
15	6.62	23	4.90	23	9.35	22	15.27
22	6.32	28	2.27	30	10.55	28	14.98
29	6.30	May 7	2.00	Aug. 6	11.33	Nov. 5	15.06
Feb. 5	6.34	14	3.12	13	11.81	12	14.75
12	5.88	21	3.76	20	12.46	19	14.76
19	5.95	28	4.49	27	13.27	26	14.14
26	4.92	June 4	5.83	Sept. 3	13.85	Dec. 3	14.04
Mar. 5	4.90	11	5.65	10	13.83	10	13.43
19	4.80	18	5.96	17	14.26	17	13.16
27	4.80	25	7.44	24	14.49	24	13.18
Apr. 2	4.90	July 2	7.06	Oct. 1	14.88	31	13.25

74-21-11L1. Town of Melcher. North A and West First Sts. Drilled observation artesian well in glacial drift, diameter 1¼ inches, depth 93 feet, screen 91-93. Water levels affected by pumping of nearby well. Highest water level 31.38 below lsd, Aug. 27, 1953; lowest 54.58 below lsd, Dec. 31, 1953. Records available: 1953.

Aug. 27	31.38	Oct. 1	34.97	Nov. 5	50.97	Dec. 10	53.61
Sept. 3	31.75	8	39.96	12	51.62	17	53.92
10	37.75	15	49.74	19	52.48	24	53.87
17	37.84	22	51.46	26	52.66	31	54.58
24	41.48	28	48.39	Dec. 3	53.66		

74-20-22C1. Grant DeWitt. Dug unused 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 25.18 below lsd, Dec. 21, 1950. Records available: 1942-53. Jan. 28, 9.52; July 17, 9.79; Oct. 29, 19.09.

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: 1940-53. Jan. 28, 9.79; Apr. 28, 2.66; July 17, 5.49; Oct. 29, 11.10.

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: 1949-53. Jan. 26, 6.29; July 20, 5.38; Oct. 26, 6.40.

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 15.43 below lsd, Dec. 21, 1950. Records available: 1949-53. Jan. 26, 9.19; Apr. 20, 7.07; July 20, 7.22; Oct. 26, 10.64.

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. Water levels affected by nearby pumping well. Highest water level 1.41 below lsd, Apr. 22, 1952; lowest 10.30 below lsd, Dec. 28, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	4.45	Mar. 24	3.60	May 11	4.00	July 22	4.85
Feb. 7	4.25	Apr. 20	3.35	June 20	3.50	Dec. 28	10.30
24	4.30						

Montgomery County

Tarkio Creek Valley

72-38-24P1. O. A. Milner. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 25 feet. Highest water level 1.46 below lsd, May 31, 1951; lowest 16.36 below lsd, Apr. 5, 1938. Records available: 1937-52. No measurement made in 1953.

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: 1937-53.

Jan. 30	17.91	Apr. 28	13.22	July 23	15.96	Oct. 31	21.40
Mar. 4	15.02	May 22	13.37	Aug. 28	18.56	Nov. 30	22.40
27	14.48	June 25	10.28	Sept. 23	20.20	Dec. 31	23.79

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. Jan. 30, 21.40; Mar. 4, 15.48; Mar. 27, 12.85.

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 17.32 below lsd, Dec. 31, 1953. Records available: 1937-53.

Mar. 4	1.70	May 22	7.44	Aug. 28	15.59	Nov. 30	17.00
27	6.92	June 25	8.24	Sept. 23	15.50	Dec. 31	17.32
Apr. 28	7.78	July 23	12.48	Oct. 31	16.52		

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: 1937-53.

Jan. 30	4.38	Apr. 28	4.84	July 23	6.63	Oct. 31	7.70
Mar. 4	5.10	May 22	3.17	Aug. 28	6.78	Nov. 30	7.67
27	2.08	June 25	3.40	Sept. 23	7.10	Dec. 31	7.78

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: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4	13.69	May 22	14.28	Aug. 28	14.90	Nov. 30	16.26
27	14.50	June 25	14.20	Sept. 23	15.42	Dec. 31	15.13
Apr. 28	14.30	July 23	14.40	Oct. 31	16.17		

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. Water levels affected by nearby pumping well. Highest water level 7.34 below lsd, June 19, 1950; lowest 15.20 below lsd, Dec. 20, 1950, Jan. 11, 1952. Records available: 1949-53. Jan. 29, 14.17; Apr. 28, 10.90; July 29, 10.15.

76-2-14D1. City of Muscatine test well 4. Drilled observation water-table well in alluvial sand, diameter 2 inches, depth 39 feet. Water levels affected by nearby pumping wells. Highest water level 4.15 below lsd, July 9, 1943; lowest 14.38 below lsd, Dec. 20, 1950. Records available: 1939-53. Jan. 29, 14.14; Apr. 28, 9.72; July 29, 11.36.

76-2-15A1. City of Muscatine test well 5. Drilled observation water-table well in alluvial sand, diameter 2 inches, depth 32 feet. Water levels affected by nearby pumping wells. Highest water level 3.06 below lsd, July 19, 1943; lowest 14.35 below lsd, Jan. 29, 1953. Records available: 1940-53. Jan. 29, 14.35; Apr. 28, 10.37; July 29, 11.98.

Page County

Tarkio Creek Valley

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 27.59 below lsd, Nov. 27, 1945. Records available: 1934-53.

Jan. 30	24.90	Apr. 28	19.78	July 23	21.88	Oct. 31	24.72
Mar. 4	21.38	May 22	18.40	Aug. 28	23.00	Nov. 30	24.96
27	21.40	June 25	19.72	Sept. 23	23.90	Dec. 31	25.14

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: 1934-53.

Jan. 30	7.40	Apr. 28	2.28	July 23	6.40	Nov. 30	8.70
Mar. 4	4.22	May 22	3.00	Aug. 28	7.34	Dec. 31	7.04
27	3.00	June 25	5.10	Oct. 31	8.58		

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 22.22 below lsd, Dec. 22, 1948. Records available: 1937-53.

Jan. 22	11.20	Apr. 23	10.24	July 23	13.00	Nov. 26	18.48
Feb. 28	10.36	May 20	10.90	Sept. 21	20.50	Dec. 29	19.57
Mar. 26	9.32	June 22	10.31	Oct. 30	17.50		

69-39-35B2. Elsie Nordstrom. Drilled observation water-table well 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: 1937-53.

Jan. 22	14.50	Apr. 23	10.54	July 23	12.94	Nov. 26	17.46
Feb. 28	11.68	May 20	8.45	Sept. 21	15.00	Dec. 29	16.02
Mar. 26	10.80	June 22	10.10	Oct. 30	16.88		

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: 1938-53.

Jan. 22	12.87	Apr. 23	12.30	July 23	15.04	Oct. 30	20.05
Feb. 28	16.10	May 20	14.08	Aug. 27	18.33	Nov. 26	20.48
Mar. 27	15.70	June 22	15.60	Sept. 21	19.09	Dec. 29	20.40

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: 1938-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	14.90	Apr. 23	13.88	July 23	15.76	Oct. 30	20.08
Feb. 28	13.95	May 20	13.43	Aug. 27	17.80	Nov. 26	13.50
Mar. 27	14.55	June 22	13.45	Sept. 21	18.50	Dec. 29	17.30

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: 1938-53.

Jan. 22	13.00	Apr. 23	5.76	July 23	10.58	Oct. 30	13.63
Feb. 28	11.12	May 20	8.44	Aug. 27	12.38	Nov. 26	13.56
Mar. 27	9.05	June 22	7.70	Sept. 21	12.97	Dec. 29	14.82

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: 1938-53.

Jan. 22	7.20	Apr. 23	5.06	July 23	8.80	Oct. 30	9.32
Feb. 28	6.00	May 20	4.80	Aug. 27	8.75	Nov. 26	11.80
Mar. 27	5.38	June 22	4.18	Sept. 21	10.02	Dec. 29	9.68

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: 1934-53.

Jan. 22	4.10	Apr. 23	1.68	July 23	2.12	Oct. 30	3.22
Feb. 28	3.30	May 20	1.60	Aug. 26	2.24	Nov. 26	3.50
Mar. 26	1.50	June 22	1.40	Sept. 21	3.36	Dec. 29	3.28

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: 1937-53.

Jan. 22	6.43	Apr. 23	5.27	July 23	6.42	Oct. 30	6.70
Feb. 28	7.00	May 20	5.17	Aug. 26	6.77	Nov. 30	7.15
Mar. 26	4.76	June 22	5.45	Sept. 21	6.70	Dec. 29	7.28

69-38-30H1. John Snyder. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 24 feet. Highest water level 0.49 below lsd, Mar. 26, 1946; lowest 9.79 below lsd, Jan. 30, 1941. Records available: 1937-53. Jan. 22, 5.18; Feb. 28, 3.08; Mar. 26, 2.10.

69-38-34B1. Mr. Burton. Drilled observation water-table well in glacial drift, diameter $1\frac{1}{4}$ 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: 1937-53.

Jan. 30	25.56	Apr. 28	21.64	July 23	21.20	Oct. 31	28.43
Mar. 4	23.50	May 22	21.19	Aug. 27	18.20	Nov. 30	28.25
27	21.12	June 25	19.36	Sept. 23	27.40	Dec. 31	29.37

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: 1934-53.

Jan. 30	22.05	Apr. 28	19.89	July 23	18.45	Oct. 31	30.88
Mar. 4	21.60	May 22	19.12	Aug. 27	19.48	Nov. 30	34.45
27	20.59	June 25	17.37	Sept. 23	21.80	Dec. 31	34.80

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, 1949-53.

Jan. 30	18.91	Apr. 28	9.91	July 23	18.61	Oct. 31	22.36
Mar. 4	17.35	May 22	19.10	Aug. 27	20.70	Nov. 30	25.60
27	16.28	June 25	18.03	Sept. 23	21.03	Dec. 31	23.82

69-36-31A1. Shulze Baking Co. Dug unused water-table well in glacial drift, diameter 30 inches, depth 13 feet, cribbed with brick. Highest water level 2.44 below lsd, May 1, 1951; lowest dry, Sept. 14, 1953. Records available: 1950-53. Measurement discontinued.

69-36-31A1--Continued.

Daily noon water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.78	....	9.07	7.35	6.87	....	8.35	10.55	11.48
2	9.82	9.56	9.05	7.52	7.03	....	8.51	10.63	11.52
3	....	9.58	9.06	7.02	7.17	8.44	8.65	10.60	11.08
4	9.83	9.60	9.09	7.16	7.19	8.43	8.66	....	11.04
5	....	9.50	9.13	7.20	7.14	7.97	8.76	....	....
6	....	8.95	9.12	....	6.95	8.23	8.89	....	11.35
7	9.91	9.05	9.13	7.35	7.13	8.30	8.94	9.81	11.48
8	9.92	9.08	9.13	7.14	....	7.65	....	10.00	11.56
9	....	9.15	8.99	7.12	....	7.22	....	10.12	11.61
10	9.97	8.48	8.69	7.25	....	7.44	....	10.23	11.66
11	....	8.62	8.56	7.33	....	7.65	....	9.98	11.71
12	9.98	8.73	8.60	7.39	....	7.72	....	9.96	11.76
13	9.87	8.73	8.63	....	....	7.82	....	10.10	11.80
14	....	8.78	7.86	....	....	7.78	....	10.22	(f)
15	....	8.80	8.04	....	....	7.82	....	10.36	....
16	....	8.94	8.04	....	....	....	....	10.45	....
17	....	....	8.04	....	....	7.97	....	10.56	....
18	....	8.95	7.63	....	....	8.03	9.47	10.64	....
19	....	8.95	7.83	....	....	8.15	9.55	10.69	....
20	....	8.64	7.67	....	7.66	8.24	9.63	....	....
21	....	8.98	7.64	....	7.79	8.43	....	10.82	....
22	....	8.96	7.95	7.68	7.82	8.46	9.79	10.89	....
23	....	9.01	7.87	7.83	7.94	8.52	9.85	10.94	....
24	....	8.99	8.03	7.28	7.88	8.42	9.95	11.00	....
25	....	8.92	8.10	7.14	7.94	8.12	10.02	11.06	....
26	....	8.91	8.14	7.43	....	8.35	10.12	11.11	....
27	9.56	9.02	8.15	7.50	....	8.44	10.20	11.17	....
28	9.59	9.08	8.19	....	....	7.72	10.25	....	....
29	9.57		8.16	7.36	....	8.02	10.32	11.28	....
30	9.54		7.87	6.58	....	....	10.42	11.34	....
31	9.53		7.92		....		10.49	11.41	

* No record for October, November, and December.
f Dry.

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: 1934-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	14.68	Apr. 23	8.88	July 23	12.70	Oct. 30	15.59
Feb. 28	10.20	May 20	8.55	Aug. 26	14.79	Nov. 26	15.68
Mar. 26	8.61	June 22	9.80	Sept. 21	15.29	Dec. 29	15.75

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 15.44 below lsd, June 22, 1948. Records available: 1937-53.

Jan. 22	11.60	May 20	12.15	Aug. 27	13.15	Nov. 26	13.63
Mar. 26	11.19	June 22	12.18	Sept. 21	13.85	Dec. 29	14.20
Apr. 23	11.48	July 23	12.77	Oct. 30	14.40		

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 22.06 below lsd, Aug. 27, 1953. Records available: 1934-53.

Jan. 22	18.60	May 20	19.57	Aug. 27	22.06	Nov. 26	19.40
Mar. 26	21.51	June 22	16.66	Sept. 21	20.16	Dec. 29	19.10
Apr. 23	20.37	July 23	17.90	Oct. 30	21.70		

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 below lsd, Apr. 24, 1952; lowest 11.22 below lsd, Sept. 24, 1941. Records available: 1934-53.

Jan. 22	5.20	May 20	7.94	Aug. 27	6.40	Oct. 30	7.18
Mar. 26	4.60	June 22	4.76	Sept. 21	7.20	Dec. 29	7.46
Apr. 23	4.10	July 23	5.22				

Palo Alto County

97-34-29N1. J. D. Westergard. Drilled unused water-table well in glacial drift, diameter 20 inches, depth 8 feet, lined with tile. Highest water level 0.13 below lsd, Mar. 28, 1945; lowest 5.50 below lsd, Oct. 3, 1940. Records available: 1940-53. Apr. 22, 0.59; July 22, 0.73.

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 19.46 below lsd, Oct. 2, 1940. Records available: 1940-45, 1948-53. Jan. 28, 18.37; Apr. 22, 16.83; July 22, 17.59; Oct. 29, 17.80.

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: 1940-53. Jan. 28, 1.07; Apr. 22, 0.67; July 22, 1.49; Oct. 29, 1.50.

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: 1940-53. Jan. 27, 4.90; Apr. 30, 3.88; July 27, 5.36; Oct. 29, 6.38.

78-25-10N1. City of West Des Moines. Drilled unused water-table well in alluvial sand and gravel, diameter 12 inches, depth 24 feet. Water levels affected by nearby pumping wells. Highest water level 8.85 below lsd, July 7, 1952; lowest 21.99 below lsd, Dec. 9, 1953. Records available: 1951-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.95	16.07	13.68	13.03	.....	12.71	11.00	14.45	17.41	18.75	19.82	21.36
2	16.40	15.90	13.52	13.08	10.98	12.93	11.60	14.57	17.53	19.00	19.86	21.41
3	15.90	16.10	13.59	13.06	10.75	13.00	11.70	15.30	17.66	18.93	19.84	21.53
4	15.72	16.05	13.61	.....	10.81	13.12	11.45	14.85	17.25	18.74	19.99	21.60
5	16.06	16.16	13.43	13.02	10.33	13.12	11.31	15.09	17.00	18.73	20.02	21.50
6	16.13	16.15	13.38	12.98	10.35	13.20	11.37	15.45	17.01	18.74	20.12	21.53
7	16.00	15.93	13.50	12.84	10.26	13.36	11.32	15.35	17.20	18.52	.....	21.61
8	15.77	15.81	13.41	12.36	10.70	13.05	11.45	15.30	17.20	19.11	19.78	21.27
9	16.07	15.86	13.47	12.71	10.75	13.52	11.60	15.47	16.95	18.57	20.01	21.87
10	16.02	15.75	13.57	12.72	10.85	12.62	11.75	15.58	17.10	18.84	19.71	21.64
11	16.11	15.53	13.43	12.73	11.05	11.02	11.80	15.34	17.20	19.14	19.73	21.27
12	15.90	15.43	13.46	12.80	11.25	10.68	12.42	15.48	.....	19.22	20.16	21.60
13	15.98	.....	13.51	12.52	11.45	.....	12.30	15.53	17.90	19.51	20.35	21.44
14	16.12	15.39	13.45	12.05	11.46	10.83	12.35	15.55	17.87	19.44	20.22	21.30
15	16.00	15.51	13.43	12.30	11.45	11.31	12.47	.....	18.20	19.64	20.10	21.27
16	.....	15.49	13.67	11.83	11.62	11.25	12.49	15.21	18.15	19.74	20.47	21.40
17	15.56	15.49	13.30	12.00	11.44	11.50	12.30	15.50	18.35	19.85	20.43	21.51
18	15.99	15.45	13.30	11.97	11.82	11.60	12.41	15.65	18.30	19.77	20.18	21.25
19	16.06	15.35	13.02	12.33	11.83	11.83	12.70	16.08	18.30	19.68	20.17	21.20
20	16.18	14.89	13.12	12.38	11.64	11.77	12.87	15.82	18.00	20.04	20.55	21.40
21	16.06	14.66	13.19	12.02	11.66	11.82	13.08	15.90	18.10	20.07	20.85	21.30
22	16.12	14.42	13.41	12.20	11.54	11.85	13.49	16.41	18.20	20.21	20.95	21.38
23	16.10	14.13	13.40	12.60	11.74	11.68	13.42	16.43	18.12	20.44	21.30	21.63
24	16.12	14.02	13.39	12.41	11.85	11.80	.....	16.48	18.20	20.37	21.15	21.54
25	15.97	13.95	13.28	11.79	11.28	11.75	13.71	16.80	18.10	20.18	21.10	21.36
26	16.15	13.80	13.11	11.67	11.60	11.80	13.92	16.64	18.25	20.27	21.17	21.51
27	16.09	13.85	13.49	11.81	.....	11.93	14.11	17.00	18.40	20.28	20.80	21.56
28	15.89	.....	13.55	11.78	.....	10.38	14.17	17.07	18.36	20.12	21.20	21.60
29	16.03		13.45	11.73	11.86	10.05	14.32	17.15	18.55	20.02	21.31	21.55
30	16.08		13.20	11.57	12.37	10.10	14.72	17.10	18.60	20.10	21.40	21.61
31	16.12		12.75		12.59		14.69	17.20		19.99		21.41

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: 1943-53. Jan. 27, 29.81; Apr. 30, 29.66; July 27, 32.69; Oct. 29, 32.27.

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 13 feet, screen 11-13. Highest water level 3.00 below lsd, May 2, 1951; lowest 9.68 below lsd, July 7, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	9.12	Apr. 23	9.07	July 7	9.68	Sept. 18	8.96
22	9.29	May 5	8.93	23	8.74	Oct. 5	9.02
Feb. 5	9.11	21	9.18	Aug. 4	8.84	21	9.14
27	9.05	June 5	9.59	20	8.73	Nov. 23	9.19
Mar. 19	9.02	18	9.43	Sept. 3	8.90	Dec. 16	9.47
Apr. 7	8.85	22	9.58				

74-44-16M1. U. S. Corps of Engineers. Levee relief well near South Omaha bridge. Drilled well in alluvium, diameter 6 inches, depth 37 feet, wooden screen. Highest water level 1.10 above lsd, May 2, 1951; lowest 8.23 below lsd, Dec. 16, 1953. Records available: 1951-53.

Jan. 8	7.91	Apr. 23	6.02	July 7	4.08	Sept. 18	7.10
22	8.16	May 5	5.72	23	5.24	Oct. 5	7.52
Feb. 5	8.19	21	5.53	Aug. 4	5.85	21	7.66
27	7.99	June 5	6.09	20	6.32	Nov. 23	7.94
Mar. 19	7.22	22	4.64	Sept. 3	6.79	Dec. 16	8.23
Apr. 7	6.02						

74-43-18E1. Incorrectly reported as 74-44-18E1. U. S. Geol. Survey. Lake Manawa area, NE. cor. 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 7.78 below lsd, Dec. 16, 1953. Records available: 1950-53.

Jan. 8	7.44	Apr. 23	6.94	July 7	6.63	Sept. 18	7.33
22	7.47	May 5	6.82	23	6.85	Oct. 5	7.33
Feb. 5	6.98	21	7.07	Aug. 4	7.10	21	7.52
27	6.93	June 5	7.48	20	6.91	Nov. 23	7.58
Mar. 19	6.53	18	7.55	Sept. 3	7.26	Dec. 16	7.78
Apr. 7	6.60	22	7.65				

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: 1940-53. Jan. 27, 220.95; Apr. 21, 220.55; July 21, 220.90; Oct. 28, 221.08.

87-37-21A1. Wayne Ogren. Dug unused water-table well in glacial drift, diameter 5 feet, depth 13 feet, cribbed with brick. Highest water level 3.72 below lsd, Apr. 29, 1952; lowest 10.42 below lsd, Oct. 7, 1948. Records available: 1942-52. No measurement made in 1953.

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 7.08 below lsd, Oct. 28, 1953. Records available: 1940-53. Jan. 27, 5.73; Apr. 21, 4.26; July 21, 5.19; Oct. 28, 7.08.

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, 1952-53. Apr. 21, 268.00; July 21, 268.10.

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. Water levels affected by nearby pumping well. Highest water level 39.84 below lsd, June 3, 1951; lowest 59.30 below lsd, June 1, 1948. Records available: 1947-53.

83-24-2Q1--Continued.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	50.11	49.92	48.08	48.12	47.68	53.09	52.71	53.93	55.56	50.97	53.64	55.97
2	50.00	49.91	48.18	48.08	47.41	53.11	52.72	49.98	55.88	55.17	53.67	56.00
3	50.11	49.99	48.32	48.06	47.11	53.16	48.62	49.87	54.75	51.60	53.75	51.58
4	50.05	50.37	48.16	47.85	47.07	53.16	52.85	53.81	50.38	50.96	53.77	55.95
5	50.14	49.75	48.28	47.79	48.44	49.20	48.31	53.73	54.56	51.01	53.78	51.69
6	50.30	50.02	48.44	47.66	47.04	48.39	48.42	49.67	50.30	51.07	51.85	55.92
7	50.39	50.04	48.63	48.09	47.45	48.32	52.96	53.76	50.14	50.98	51.63	51.71
8	50.16	49.93	48.23	47.90	52.20	47.91	53.05	53.78	54.51	50.99	55.82	55.92
9	50.28	49.79	48.31	47.90	47.32	52.79	49.05	53.77	54.60	51.18	51.93	55.97
10	52.02	49.86	48.39	47.95	47.73	52.83	49.20	49.24	50.70	51.21	55.87	51.70
11	50.15	49.70	48.32	47.89	47.26	52.91	49.40	53.82	54.65	51.22	55.93	55.97
12	50.14	49.77	48.15	47.85	52.44	49.07	53.25	50.38	54.71	51.25	55.97	51.90
13	55.23	49.64	48.42	48.01	47.73	53.02	48.91	53.94	54.66	51.33	55.97	51.93
14	50.16	49.61	53.17	51.91	48.01	48.42	53.31	50.16	54.71	51.32	51.97	51.58
15	50.20	49.41	48.00	51.91	47.80	48.30	53.40	50.86	54.72	51.47	55.95	55.94
16	50.18	49.47	48.05	52.05	52.61	53.01	50.17	53.97	54.84	56.44	55.92	53.15
17	49.99	49.65	48.60	48.19	48.76	49.12	53.51	49.84	51.33	51.35	56.02	51.63
18	50.05	49.48	47.96	48.94	47.60	53.17	55.51	54.00	51.05	51.39	56.00	53.15
19	50.06	49.49	48.43	47.82	52.96	55.27	49.51	54.03	50.71	51.40	56.00	51.60
20	50.12	49.29	48.24	48.04	52.82	48.84	53.66	50.27	50.48	51.47	55.92	51.62
21	50.09	48.90	48.11	48.24	47.99	48.87	49.75	54.06	50.45	51.50	55.94	51.57
22	50.34	48.65	48.09	53.01	47.98	48.58	53.65	54.93	50.93	51.47	51.53	51.68
23	49.95	48.66	48.08	48.17	48.07	53.36	53.55	50.06	54.99	51.62	51.57	51.75
24	50.12	48.66	48.22	53.04	47.78	53.38	53.61	50.24	55.00	51.42	51.56	51.64
25	49.91	48.43	48.44	48.04	47.95	48.89	49.52	55.04	55.04	51.46	55.87	51.50
26	51.32	48.57	48.39	47.94	52.86	48.49	54.42	50.82	55.01	51.34	55.93	51.48
27	49.87	48.48	48.39	47.86	48.52	48.70	49.47	55.24	55.04	51.52	55.92	51.45
28	50.06	48.30	48.71	48.08	52.88	47.84	53.78	55.24	55.03	51.44	51.64	51.51
29	49.94		48.41	47.79	48.08	47.88	54.03	55.34	55.07	51.47	51.61	51.62
30	53.00		48.38	47.86	52.91	52.66	49.92	50.71	56.15	53.64	51.79	52.00
31	49.92		48.35		53.04		52.84	55.35		53.63		51.63

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	55.25	55.00	53.25	53.28	52.65	53.49	53.20	55.65	56.30	56.15	53.75	56.10
2	55.18	54.95	53.30	53.12	52.34	53.36	53.32	54.42	56.45	56.52	53.86	56.11
3	55.21	54.94	53.28	53.04	52.17	53.64	53.18	55.03	56.09	56.46	53.86	56.10
4	55.19	54.98	53.31	52.98	52.17	55.90	53.21	54.30	54.75	56.33	53.85	56.12
5	55.26	54.96	53.35	52.86	52.27	54.94	53.15	54.14	54.92	56.28	53.84	56.12
6	55.31	54.95	53.45	52.85	52.16	53.46	53.21	54.00	54.60	56.29	56.62	56.02
7	55.33	54.95	53.44	52.98	52.21	53.30	53.69	54.10	54.56	56.24	56.62	56.01
8	55.33	54.87	53.37	52.96	52.44	53.12	53.50	54.11	54.69	56.21	55.86	56.04
9	55.33	54.87	53.36	52.94	52.37	53.25	53.46	54.03	54.88	56.34	55.90	56.08
10	55.42	54.87	53.36	53.03	52.45	53.32	55.84	54.18	54.92	56.35	55.98	56.08
11	55.17	54.69	53.30	53.02	52.41	53.33	55.71	54.96	55.09	56.45	56.01	56.07
12	55.21	57.32	53.26	52.98	52.70	53.38	53.55	54.83	54.89	56.47	56.10	56.10
13	55.39	54.65	53.27	52.00	52.65	53.36	53.65	55.26	54.92	56.51	56.04	56.01
14	55.34	54.53	53.29	52.10	52.56	53.27	53.76	55.17	54.95	56.53	56.02	55.94
15	55.17	54.48	53.15	52.19	52.59	53.25	55.72	54.92	55.04	56.65	56.00	56.10
16	55.23	54.46	53.18	52.18	52.78	53.55	55.51	54.30	55.75	56.70	56.08	56.08
17	55.24	57.70	53.22	53.00	52.77	53.55	55.86	54.33	56.23	56.56	56.12	56.00
18	55.07	54.43	53.19	53.13	52.74	55.70	56.02	54.43	55.90	56.54	56.13	56.00
19	55.07	58.22	53.27	52.98	52.71	55.87	55.82	54.98	55.77	56.44	56.13	55.92
20	55.09	54.29	53.24	52.99	52.95	55.54	56.53	54.90	55.73	56.53	56.06	55.94
21	55.05	53.88	53.26	53.00	52.90	53.56	56.19	55.16	55.93	56.54	56.06	55.89
22	55.20	53.69	53.27	53.25	52.84	53.67	54.02	55.35	55.92	56.89	56.00	54.09
23	55.04	53.59	53.24	53.24	52.80	53.84	54.10	55.10	55.18	56.78	55.89	54.08
24	55.08	53.55	53.35	53.16	52.71	53.83	55.93	55.27	55.24	56.71	55.93	54.02
25	55.06	53.46	53.36	53.16	53.08	53.60	55.75	55.52	55.31	56.66	56.05	54.04
26	55.02	53.38	53.45	52.96	53.13	53.21	55.05	55.55	55.35	56.69	56.04	54.00
27	54.97	53.37	53.43	52.86	53.05	53.10	54.80	55.66	55.22	56.60	56.02	53.97
28	55.02	53.33	53.48	52.87	53.08	52.79	55.30	55.71	55.28	56.63	56.04	54.01
29	55.02		53.46	52.86	53.15	52.99	54.88	55.74	57.08	56.63	55.95	54.08
30	55.07		53.41	52.72	53.33	53.24	54.32	55.56	57.18	53.77	56.04	54.11
31	54.92		53.41		53.27		54.46	55.83		53.78		54.12

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 46.33 below lsd, Sept. 18, 1950. Records available: 1939-53. Jan. 26, 42.83; Apr. 20, 42.22; July 20, 44.08; Oct. 26, 44.83.

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: 1942-53. Jan. 26, 18.00; Apr. 20, 18.25; July 20, 15.48; Oct. 26, 18.91.

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: 1939-53. Jan. 26, 13.95; Apr. 20, 7.91; July 20, 11.76; Oct. 26, 18.53.

Tama County

82-13-13R1. City of Belle Plaine. Drilled observation water-table well in alluvial sand and gravel, diameter 8 inches, depth 29 feet. Highest water level 4.00 below lsd, Apr. 25, 1947; lowest 13.44 below lsd, July 13, 1945. Records available: 1945-49. No measurement made in 1953.

Van Buren County

69-10-36F1. City of Keosauqua. Drilled observation artesian well in limestone of Mississippian age, diameter 10 to 8 inches, depth 485 feet, cased to 178. Land-surface datum is 582 feet above msl. Highest water level 19.80 below lsd, June 19, 1950; lowest 22.70 below lsd, Mar. 16, 1951. Records available: 1949-53. Jan. 29, 22.35; Apr. 28, 20.23; July 29, 22.09. Measurement discontinued.

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: 1951-53. Jan. 28, 7.34; Apr. 29, 5.82; July 29, 7.70; Oct. 29, 8.60.

72-14-25C1. City of Ottumwa. Driven observation water-table well in sand and gravel, diameter $1\frac{1}{4}$ 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: 1951-53. Jan. 28, 6.07; Apr. 29, 2.79; July 29, 5.98; Oct. 29, 7.82.

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 27.47 below lsd, Oct. 5, 1950. Records available: 1940-53. Jan. 27, 13.25; Apr. 30, 12.17; July 28, 20.75; Oct. 29, 19.56.

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: 1942-53. Jan. 28, 14.59; Apr. 22, 9.58; July 22, 9.03; Oct. 9, 13.28.

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, 1945-53. Jan. 29, 6.38; Apr. 22, 3.37; July 23, 4.23; Oct. 9, 6.45.

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 11.02 below lsd, Oct. 11, 1948. Records available: 1942-53. Jan. 29, 9.17; Apr. 22, 5.37; July 23, 6.63; Oct. 9, 7.43.

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, 1948-53. Jan. 29, 8.60; Apr. 22, 4.49; July 23, 5.00; Oct. 9, 7.61.

86-30-23R1. 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, 1947-53. Jan. 28, 33.48; Apr. 22, 33.60; July 22, 33.49; Oct. 9, 34.70.

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 13.02 below lsd, Oct. 11, 1948. Records available: 1942-53. Jan. 29, 7.86; Apr. 23, 5.00; July 22, 5.87; Oct. 9, 7.94.

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 11.39 below lsd, Mar. 2, 1950. Records available: 1942-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.68	6.86	5.28	3.37	2.17	3.36	3.57	4.50	5.91	7.41	8.77	7.77
2	6.70	6.79	5.23	3.40	2.51	3.38	3.64	4.57	5.94	7.41	8.75	7.51
3	6.72	6.85	5.26	2.70	2.55	3.36	3.72	4.49	6.01	7.45	8.87	7.58
4	6.67	6.81	5.26	3.02	2.66	3.40	3.75	4.43	6.08	7.56	8.97	7.38
5	6.72	6.63	5.32	3.17	2.74	3.47	3.80	4.48	6.14	7.56	9.04	7.32
6	6.73	6.57	5.40	3.25	2.80	3.51	3.87	4.44	6.18	7.62	9.02	7.20
7	6.77	6.48	5.37	3.33	2.89	3.52	3.90	4.39	6.27	7.64	9.02	7.15
8	6.76	6.31	5.35	3.37	3.07	3.26	3.98	4.40	6.30	7.64	9.02	7.12
9	6.89	6.23	5.28	3.39	3.06	3.29	4.03	4.46	6.34	7.68	9.02	7.08
10	6.78	6.07	5.16	3.02	3.06	3.37	4.06	4.50	6.37	7.68	8.97	7.00
11	6.85	5.89	5.06	3.08	3.11	3.42	4.10	4.56	6.41	7.76	9.02	7.09
12	6.73	5.88	5.01	3.17	3.11	3.46	4.13	4.64	6.49	7.85	9.04	7.08
13	6.79	5.86	5.02	3.25	3.19	3.46	4.12	4.69	6.53	7.95	9.04	7.02
14	6.81	5.79	4.91	3.28	3.17	3.49	4.07	4.74	6.54	7.95	9.02	7.12
15	6.79	5.75	4.77	3.24	3.18	3.52	4.11	4.83	6.60	8.02	9.01	7.04
16	6.87	5.77	4.67	3.15	3.21	3.59	4.16	4.89	6.65	8.03	9.02	7.22
17	6.71	5.80	4.62	3.20	3.23	3.64	4.20	4.96	6.66	8.04	9.04	7.27
18	6.70	5.75	4.57	3.30	3.19	3.65	4.24	5.02	6.74	8.09	9.06	7.20
19	6.73	5.74	4.61	3.35	3.21	3.70	4.28	5.09	6.79	8.16	9.10	7.12
20	6.77	5.52	4.54	3.41	3.21	3.73	4.33	5.14	6.83	8.23	8.74	7.08
21	6.74	5.51	4.46	3.37	3.23	3.85	4.37	5.21	6.96	8.26	8.55	7.12
22	6.76	5.54	4.56	3.40	3.02	3.89	4.44	5.27	7.03	8.32	8.36	7.34
23	6.77	5.56	4.49	3.47	3.07	3.93	4.49	5.31	7.00	8.39	8.18	7.39
24	6.75	5.46	4.45	3.37	2.90	3.95	4.53	5.38	7.01	8.42	8.09	7.32
25	6.77	5.35	4.42	2.47	2.87	3.49	4.57	5.45	7.06	8.42	7.99	7.32
26	6.74	5.27	4.40	2.62	3.04	3.56	4.65	5.51	7.06	8.50	7.88	7.32
27	6.80	5.31	4.38	2.76	3.14	3.29	4.72	5.57	7.14	8.52	7.95	7.25
28	6.78	5.29	4.37	2.84	3.17	3.30	4.72	5.62	7.15	8.56	7.95	7.30
29	6.77		4.34	2.89	3.16	3.43	4.63	5.67	7.16	8.62	7.83	7.29
30	6.73		4.24	2.78	3.19	3.52	4.47	5.76	7.40	8.61	7.85	7.46
31	6.83		3.94		3.29		4.47	5.83		8.70		7.40

87-27-18M1. J. B. Marsh. Drilled stock artesian well in sandstone of Pennsylvanian age, diameter 6 to 3 inches, depth 356 feet, cased 0-356, open bottom. Land-surface datum is about 1,110 feet above msl. Highest water level 122.05 below lsd, Dec. 16, 1944; lowest 137.66 below lsd, Mar. 31, 1949. Records available: 1942-53. Jan. 29, 126.81; Apr. 23, 126.97.

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 63.00 below lsd, Jan. 11, 1952. Records available: 1942-53. Jan. 29, 60.88; Apr. 23, 60.57; July 22, 61.18; Oct. 9, 61.88.

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 9.73 below lsd, Oct. 11, 1948. Records available: 1942-53. Jan. 29, 8.13; Apr. 23, 3.78; July 22, 6.63; Oct. 9, 9.28.

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 90.30 below lsd, Apr. 23, 1953. Records available: 1942-48, 1952-53. Apr. 23, 90.30.

86-27-4D1. A. B. Davis. Drilled domestic and 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 1953.

Woodbury County

89-48-23B1. Sioux City. Riverside Blvd. and Hornick Ave. Drilled unused artesian well in Dakota sandstone, diameter 12 to 10 inches, depth 260 feet, cased to 227. Land-surface datum is about 1,102 feet above msl. Highest water level 9.17 below lsd, Apr. 11, 1952; lowest 16.90 below lsd, Dec. 22, 1953. Records available: 1939-44, 1949-53.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	15.75	15.31	14.25	15.60	15.90	16.21	16.01	.....
2	.....	.....	.....	.....	15.67	15.33	14.43	15.66	15.88	16.20	16.00	16.64
3	.....	.....	.....	.....	15.59	.....	14.55	15.62	15.91	16.20	16.10	16.60
4	.....	.....	.....	.....	15.40	.....	14.75	15.62	15.91	16.13	16.12	16.60
5	.....	.....	.....	.....	15.07	.....	14.85	15.47	15.90	16.06	16.12	16.60
6	.....	.....	.....	.....	15.00	.....	15.02	15.28	15.91	16.10	16.12	16.60
7	.....	.....	.....	.....	15.07	.....	15.11	15.30	15.92	16.07	.....	16.63
8	.....	.....	.....	.....	15.14	.....	15.23	15.16	15.92	16.08	.....	16.63
9	.....	.....	.....	.....	15.12	.....	15.30	15.11	15.94	16.09	.....	16.65
10	.....	.....	.....	.....	15.08	.....	.....	15.24	15.95	16.06	.....	16.61
11	.....	.....	.....	.....	15.21	.....	.....	15.30	15.93	16.08	.....	16.67
12	.....	.....	.....	.....	15.26	.....	.....	15.32	15.95	16.09	.....	16.65
13	.....	.....	.....	.....	15.28	.....	.....	15.32	15.89	16.10	.....	16.67
14	.....	.....	.....	.....	15.20	.....	.....	15.35	15.91	16.10	.....	.....
15	.....	.....	.....	.....	15.22	.....	.....	15.31	15.96	16.09	.....	.....
16	.....	.....	.....	.....	15.24	.....	.....	15.32	15.94	16.07	.....	.....
17	.....	.....	.....	.....	15.26	.....	.....	15.38	15.98	16.04	.....	.....
18	.....	.....	.....	.....	.....	.....	.....	15.44	16.02	15.98	.....	16.85
19	.....	.....	.....	.....	.....	.....	.....	15.51	15.98	15.99	16.43	16.84
20	.....	.....	.....	.....	15.27	14.33	.....	15.55	16.01	16.00	16.38	16.82
21	.....	.....	.....	15.87	15.29	14.35	15.55	15.61	16.04	15.98	16.49	16.77
22	.....	.....	.....	15.95	15.28	14.44	15.57	15.62	16.05	16.01	.....	16.90
23	.....	.....	.....	15.99	15.30	14.47	15.62	15.62	16.03	16.01	.....	16.88
24	.....	.....	.....	15.91	15.27	14.39	15.62	15.63	16.06	15.97	.....	16.87
25	.....	.....	.....	15.95	15.30	14.39	15.66	15.70	16.10	15.97	.....	16.86
26	.....	.....	.....	15.92	15.30	14.28	15.70	15.71	16.10	16.00	.....	16.86
27	16.30	.....	.....	15.87	15.30	14.27	15.72	15.76	16.12	15.98	.....	16.82
28	.....	.....	.....	15.82	15.30	14.38	15.73	15.78	16.14	15.99	.....	16.82
29	.....		.....	15.85	15.17	14.32	15.68	15.82	16.16	16.00	.....	16.84
30	.....		.....	15.77	15.14	14.31	15.54	15.84	16.22	16.00	.....	16.88
31	.....		.....		15.22		15.55	15.90		16.06		16.85

89-47-22B2. Sioux City. 2600 Hawkeye Drive. 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. Water levels affected by pumping of nearby wells. Highest water level 11.63 below lsd, Apr. 16, 1952; lowest 29.40 below lsd, Aug. 27, 1949. Records available: 1949-53.

Daily highest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	Oct.	Nov.	Dec.
1	19.30	19.63	18.57	20.04	18.53	17.21	.....	23.67	25.19
2	18.91	19.36	18.22	19.29	18.28	16.96	.....	23.67	25.52
3	18.61	20.05	18.17	20.41	18.16	16.62	.....	24.44	25.30
4	18.57	20.10	18.92	18.94	18.36	15.90	.....	25.32	25.30
5	18.93	20.03	18.58	18.78	19.17	15.96	.....	25.73	24.90
6	18.52	20.07	19.32	19.77	19.11	.....	.....	25.84	23.92
7	18.39	19.48	19.11	19.08	19.04	.....	.....	25.97	23.66
8	17.94	19.04	19.09	18.24	19.06	.....	.....	24.83	24.21
9	17.84	19.18	19.32	18.32	18.51	.....	.....	24.48	24.72
10	17.72	19.74	19.43	19.40	18.48	.....	.....	24.73	24.64
11	17.72	19.97	18.96	19.58	18.60	.....	.....	25.42	25.64
12	18.36	19.95	18.91	19.21	18.68	.....	.....	24.90	25.05
13	19.68	18.49	19.29	19.02	19.08	.....	.....	24.93	24.56
14	19.84	18.86	19.12	19.12	18.81	.....	.....	25.77	24.54
15	19.93	18.70	18.99	18.51	18.89	.....	.....	24.49	25.01

89-47-22B2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	Oct.	Nov.	Dec.
16	20.16	18.80	19.15	18.55	19.22	.....	.....	24.64	25.39
17	19.79	18.99	19.15	18.55	19.96	.....	.....	25.51	25.58
18	19.39	19.01	18.85	18.70	19.35	.....	.....	26.01	25.40
19	18.97	19.05	19.43	19.60	19.16	.....	.....	26.25	25.38
20	18.60	18.93	19.31	19.01	18.83	.....	.....	25.81	24.76
21	18.86	18.65	19.27	18.55	18.85	.....	.....	25.88	24.50
22	19.00	18.90	19.01	19.02	19.19	.....	.....	24.16	25.18
23	19.18	18.86	18.95	19.52	19.32	.....	.....	24.42	25.12
24	19.24	19.20	19.19	19.39	19.57	.....	.....	25.24	25.15
25	19.37	19.26	19.44	18.57	17.83	.....	.....	25.59	25.16
26	18.96	19.22	20.41	18.19	17.32	.....	.....	25.60	24.36
27	19.86	19.44	20.82	18.05	18.14	.....	.....	25.89	24.44
28	20.16	19.60	20.94	18.61	18.62	.....	.....	25.84	24.08
29	20.18		22.04	18.91	18.07	.....	23.29	25.00	24.36
30	20.26		21.17	18.73	17.65	.....	23.97	24.84	24.96
31	20.39		20.19		17.72		25.15		26.11

* No record for July, August, and September.

Daily lowest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	Oct.	Nov.	Dec.
1	19.41	20.61	19.80	20.88	19.18	17.98	.....	25.32	25.52
2	19.66	20.05	18.97	20.62	19.04	17.21	.....	24.45	25.91
3	18.91	20.27	18.95	21.16	18.36	17.00	.....	25.32	25.52
4	19.42	20.30	19.21	20.41	19.61	16.74	.....	25.74	25.62
5	19.57	20.10	19.36	19.77	19.54	17.02	.....	25.85	25.30
6	18.93	20.25	19.66	20.68	19.38	.....	.....	26.03	24.90
7	18.53	20.30	19.66	20.28	19.39	.....	.....	26.25	24.21
8	18.45	19.85	19.37	19.32	19.41	.....	.....	26.24	24.72
9	17.94	19.85	19.48	19.81	19.38	.....	.....	24.83	24.79
10	18.02	20.19	19.57	20.18	18.90	.....	.....	25.69	25.74
11	18.36	20.22	19.60	20.22	19.19	.....	.....	25.92	25.82
12	19.68	20.30	19.40	20.18	19.35	.....	.....	25.42	25.67
13	19.94	19.95	19.42	20.05	19.33	.....	.....	25.77	25.05
14	20.00	19.18	19.41	19.87	19.10	.....	.....	26.07	25.12
15	20.44	19.19	19.20	19.01	19.38	.....	.....	25.86	25.47
16	20.45	19.17	19.38	19.15	19.96	.....	.....	25.51	25.63
17	20.20	19.20	19.38	19.12	20.27	.....	.....	26.01	25.65
18	19.94	19.20	19.70	19.60	20.27	.....	.....	26.46	25.66
19	19.53	19.18	20.05	19.87	19.47	.....	.....	26.46	25.48
20	19.16	19.48	19.67	19.88	19.16	.....	.....	26.25	25.48
21	19.00	19.46	19.56	19.02	19.43	.....	.....	26.15	25.18
22	19.64	19.02	19.46	19.55	19.78	.....	.....	25.88	25.36
23	19.69	19.24	19.55	19.65	19.57	.....	.....	25.24	25.36
24	20.12	19.41	19.62	19.57	19.94	.....	.....	25.59	25.23
25	20.16	19.39	20.41	19.41	19.92	.....	.....	25.75	25.28
26	19.86	19.47	20.84	18.57	18.14	.....	.....	25.89	25.16
27	20.31	19.68	21.02	18.75	18.76	.....	.....	26.06	24.80
28	20.40	19.80	22.04	19.52	18.84	.....	.....	26.01	24.44
29	20.40		22.51	19.48	18.80	.....	23.97	25.88	25.00
30	20.39		22.38	19.17	18.30	.....	25.14	25.28	26.52
31	20.61		21.17		18.21		25.71		26.44

* No record for July, August, and September.

KANSAS

By Betty J. Mason, G. J. Stramel, and W. W. Wilson

Scope of Water-Level Program

The observation-well program in Kansas was continued during 1953 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. This 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 made in 522 wells in 1953. Figures 8, 9, 10, and 11 show the location of the observation wells. Continuous records of water levels were obtained for 11 of the wells from recording gages.

Three reports in regard to ground-water investigations were published by the State Geological Survey of Kansas: Bulletin 100, Geology and ground-water resources of Cheyenne County, by G. C. Prescott, Jr.; Bulletin 101, Geology and ground-water resources of Jackson County, by K. L. Walters; and Bulletin 105, Geology and ground-water resources of Sherman County, by G. C. Prescott, Jr. A report, Water resources of the Kansas City area, Missouri and Kansas, by V. C. Fishel, J. K. Searcy, and F. H. Rainwater was published as Circular 273 by the U. S. Geological Survey.

Precipitation

The drought that began in 1952 continued throughout 1953. The year averaged the 10th driest and the 8th warmest of the 67-year record. The annual average precipitation for the State was 20.89 inches, 5.71 inches below normal and only 2.55 inches more than the driest year of 1936. The dry weather was most pronounced over the eastern and south-central areas. Northwestern sections had near-normal precipitation. The 6-month period of April through September was the driest of record in northeastern and east-central parts of the State, having only 14.38 inches and 14.42 inches, respectively. The total inches of rain in the south-central part of the State was only 55 percent of normal and 8.80 inches less than average.

Interpretation of Water-Level Fluctuations

Because of the low precipitation in 1953, ground-water levels generally declined throughout the year. The hydrographs of well 12 in Sedgwick County and well 1 in Finney County are shown in figure 12. These wells reflect natural fluctuations in water levels; they show the general decline in water levels in much of the State as a result of the drought during 1952 and 1953. At the end of 1953 the water level in well 12 was only 0.2 foot higher than the record low stage in 1938. The water level in well 1 was about 1 foot higher than the record low in early 1941. Figure 13 shows the hydrograph of well 307 in the center of the southern part of the present Wichita well field. Prior to 1949 this well was outside the well field and showed little or no response to pumping from the Wichita wells. In 1949 the well field was extended and well 307 was surrounded by pumping wells. Consequently, pumping in the field has definitely influenced the water level in the well. However, figure 13 indicates that not all the decline of the water level in well 307 resulted from pumping; at least 8 feet of this decline probably has been a result of the drought in the area during 1952 and 1953.

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 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 $NW\frac{1}{4}SE\frac{1}{4}SE\frac{1}{4}$ sec. 8, T. 1 S., R. 38 W.

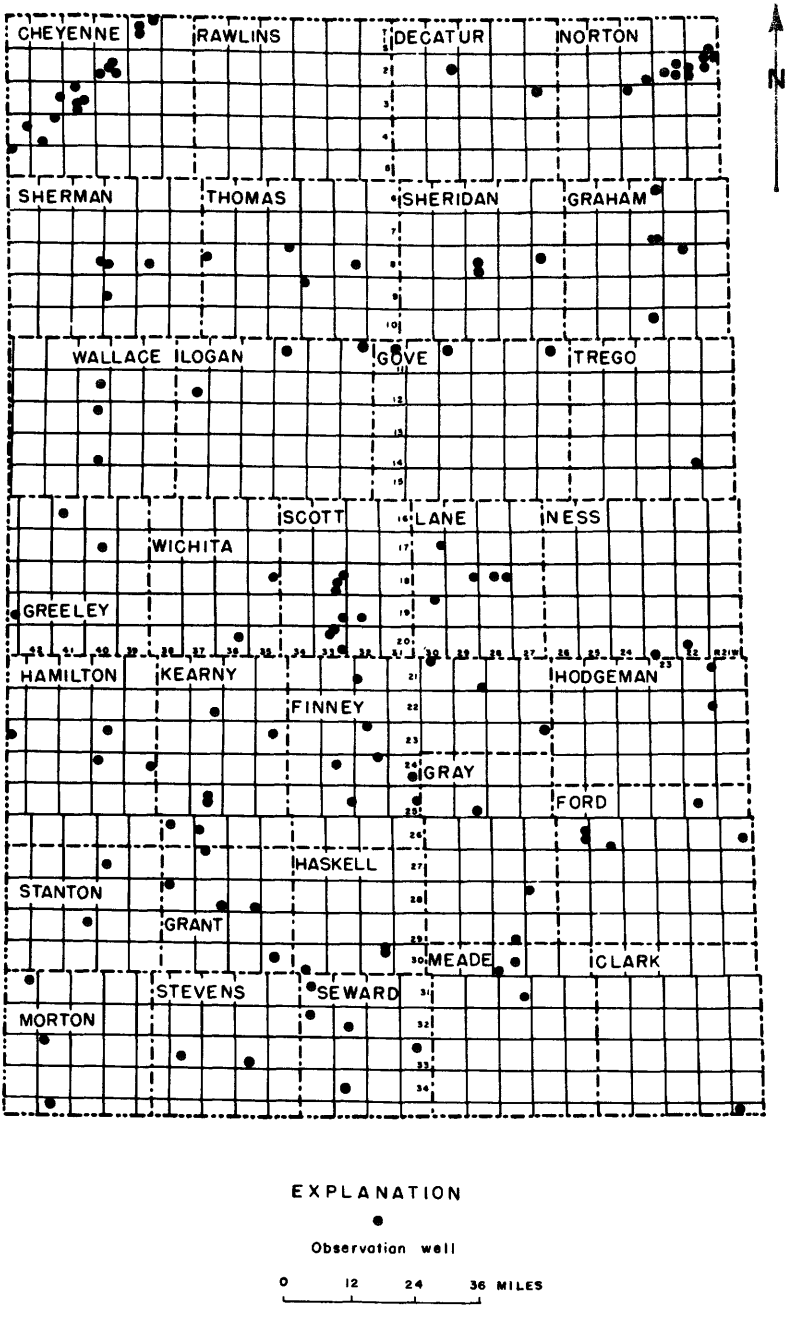

Figure 8. -- Location of observation wells in western Kansas, 1953.

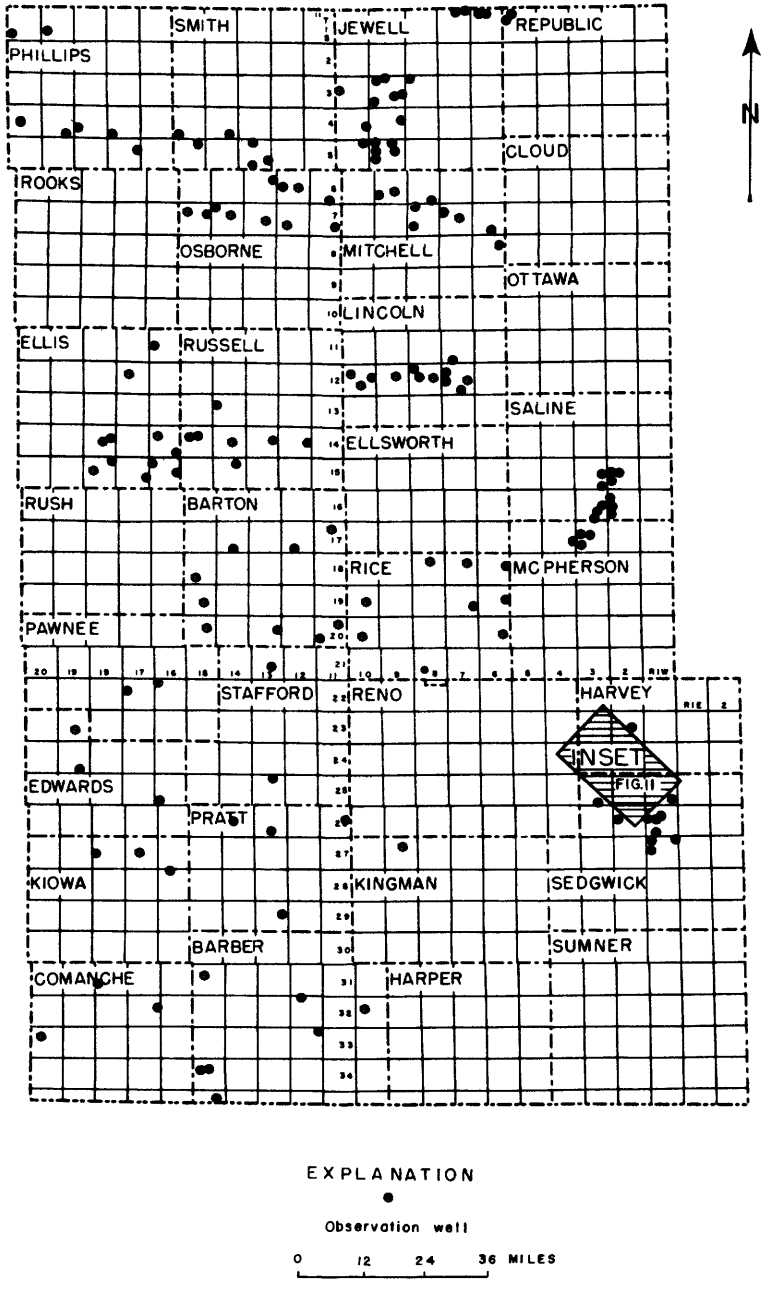

Figure 9. --Location of observation wells in central Kansas, 1953.

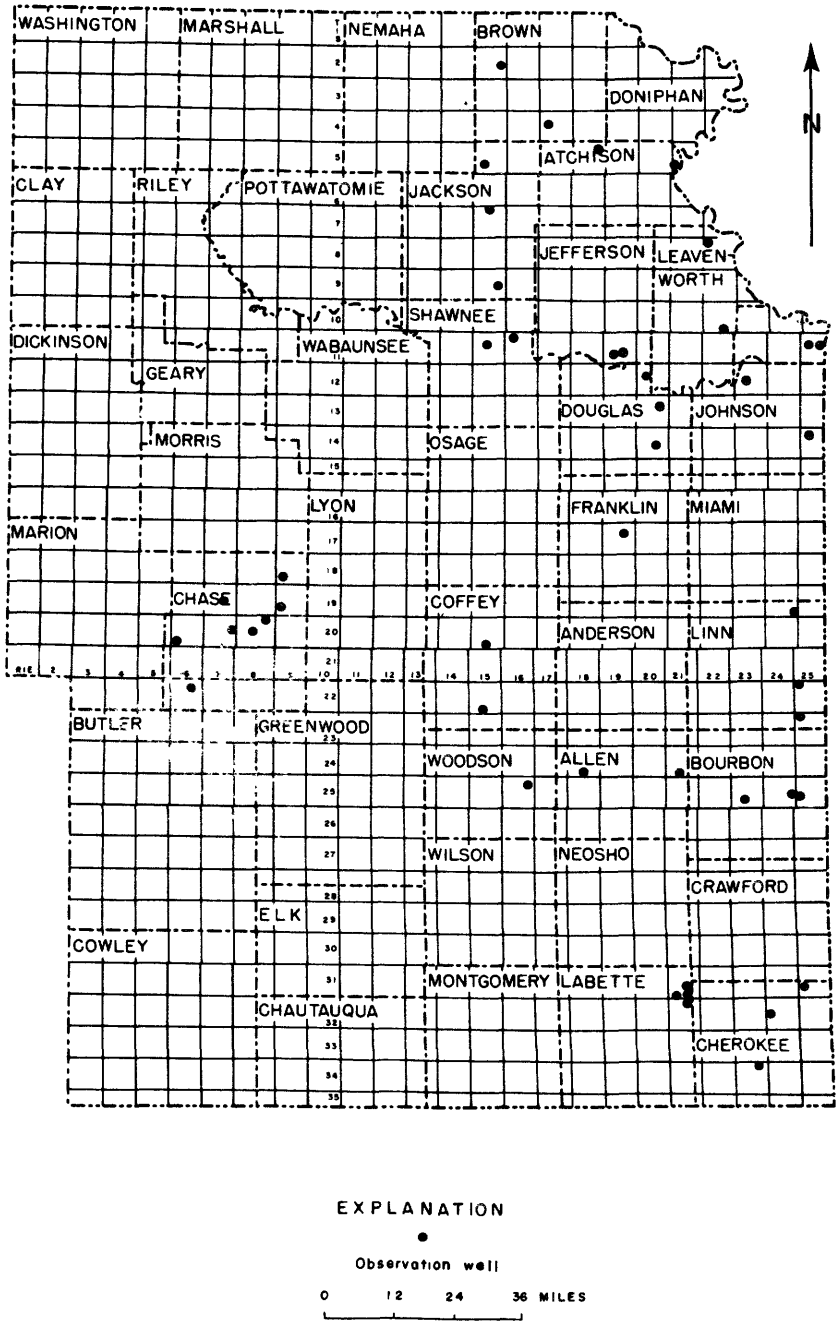

Figure 10. --Location of observation wells in eastern Kansas, 1953.

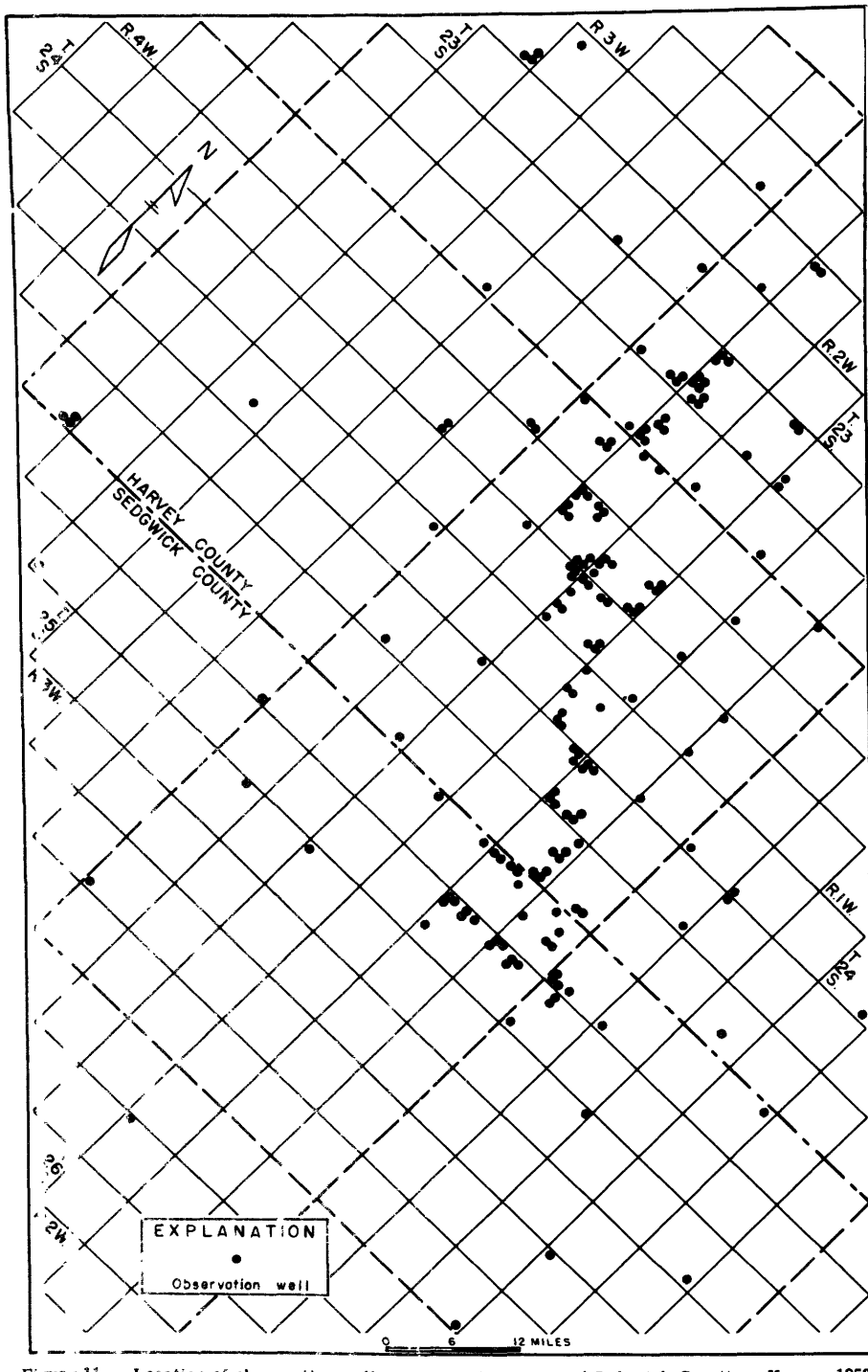

Figure 11. -Location of observation wells in parts of Harvey and Sedgwick Counties, Kans., 1953.

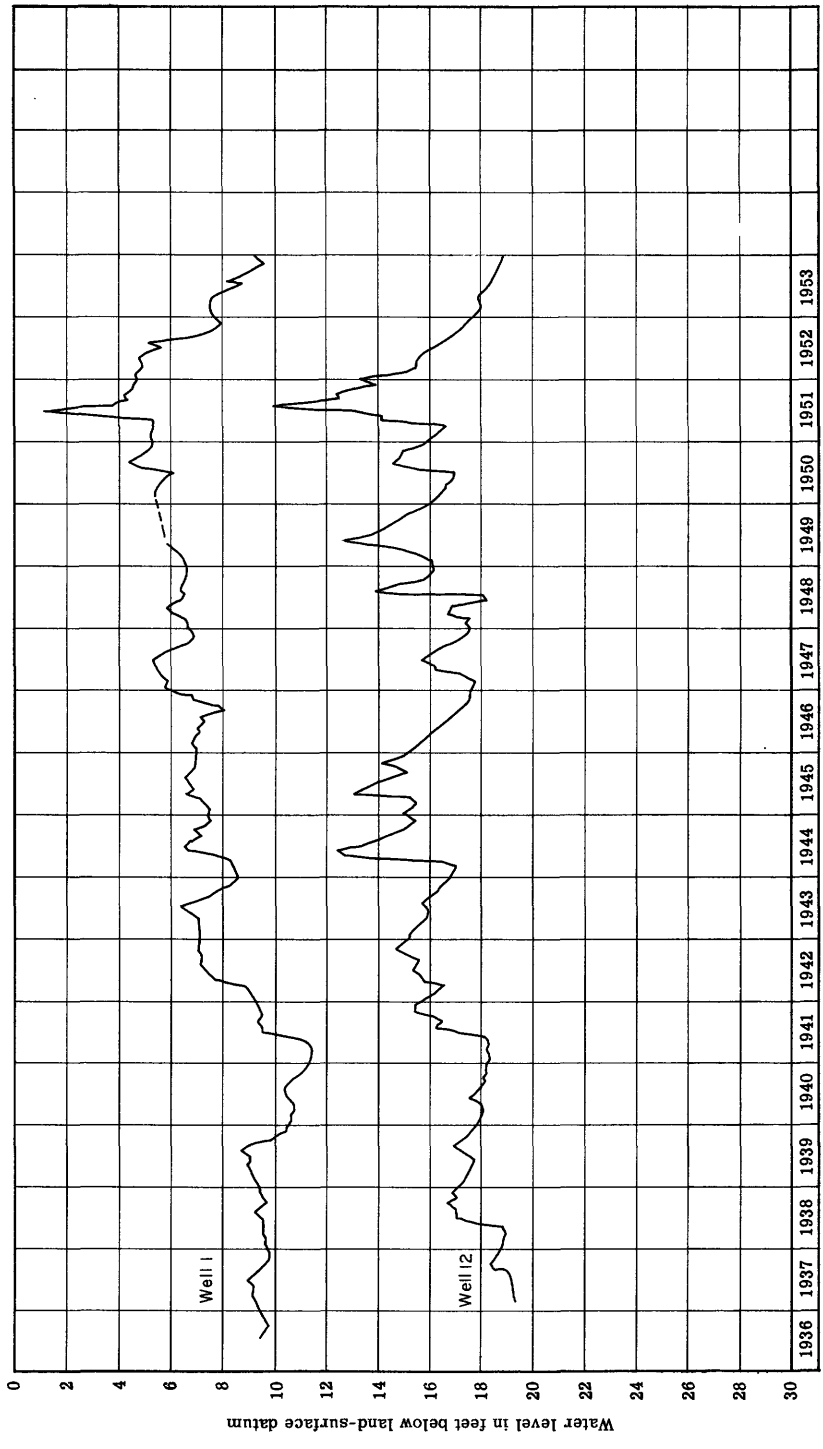

Figure 12.--Water level in well 1, Finney County, and well 12, Sedgwick County, Kans.

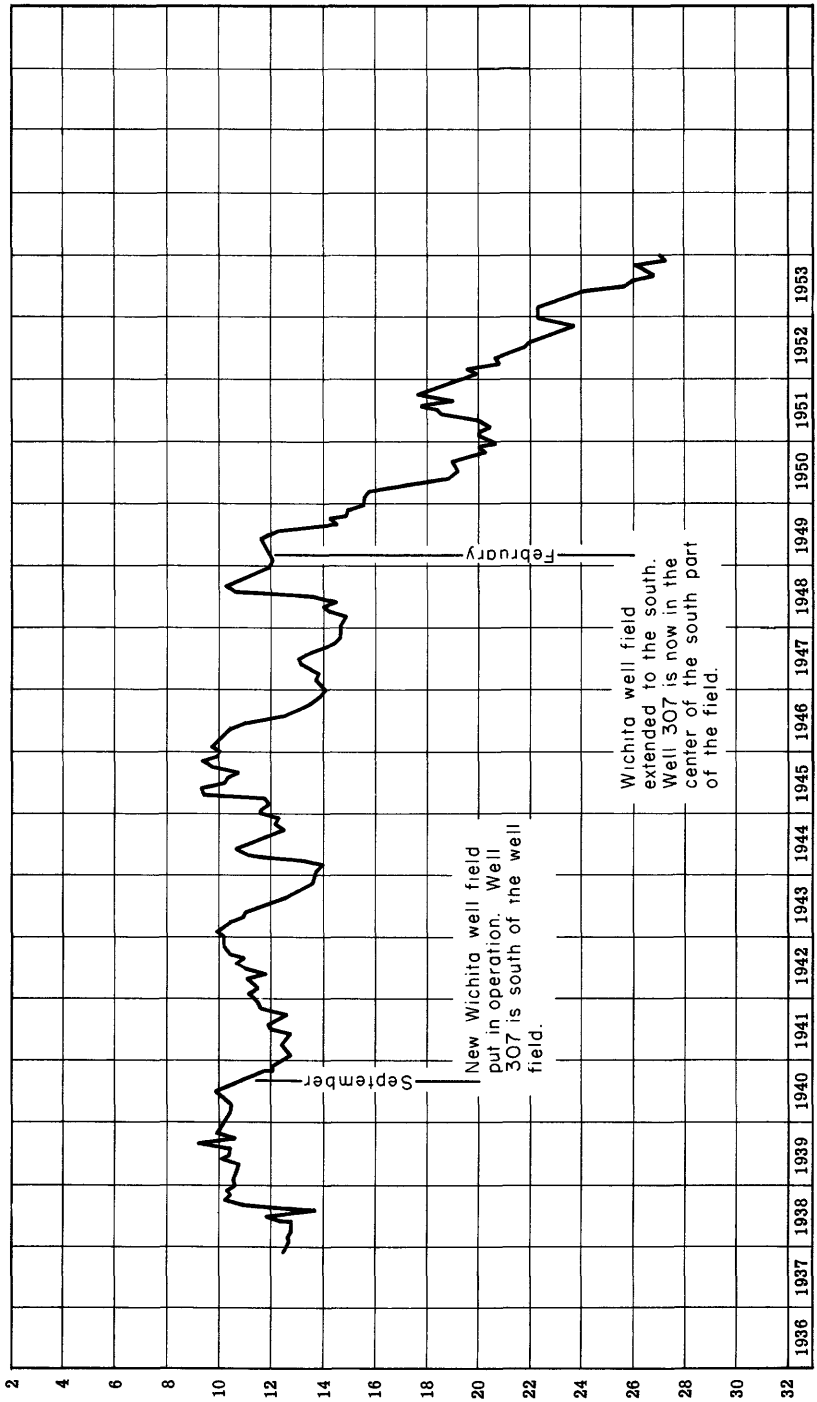

Figure 13.--Water level in well 307, Sedgwick County, showing the influence of pumping from the Wichita, Kans., well field.

Well Descriptions and Water-Level Measurements

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

The geologic nomenclature of this section of the report follows the usage of the State Geological Survey of Kansas and does not necessarily coincide with the official nomenclature used by the U. S. Geological Survey.

Allen County

24-18-33baa. Arnold Estate. Dug unused water-table well in Chanute shale, diameter 5 feet, depth 18 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. No measurement made in 1953.

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. No measurement made in 1953.

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. No measurement made in 1953.

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. No measurement made in 1953.

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: 1940-53. Mar. 23, 64.24; Dec. 9, 66.66.

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 16.30 below lsd, Aug. 20, 1943. Records available: 1940-53. Mar. 23, 14.11; Aug. 31, 15.25; Dec. 9, 14.89.

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: 1940-53. Mar. 23, 19.00; June 29, 19.24; Aug. 31, 19.33; Dec. 9, 19.69.

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 18.78 below lsd, Aug. 31, 1953. Records available: 1940-53. Mar. 23, 17.02; June 29, 18.31; Aug. 31, 18.78.

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: 1940-53. Mar. 23, 1.93; Aug. 31, 2.44.

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: 1940-53. Mar. 23, 106.15; June 29, 106.20; Aug. 31, 106.45; Dec. 9, 106.55.

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 5.93 below lsd, Oct. 10, 1953. Records available: 1942-53.

1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	5.32	Apr. 15	5.05	July 21	5.17	Oct. 10	5.83
Feb. 12	5.13	May 14	5.24	Aug. 13	5.18	20	5.79
Mar. 16	4.97	June 17	5.36	Sept. 7	5.30	Dec. 14	5.33

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 30.69 below lsd, Jan. 23, 1947. Records available: 1942-53.

Jan. 14	26.76	Apr. 15	27.31	July 21	27.71	Oct. 10	28.31
Feb. 12	26.92	May 14	27.45	Aug. 13	27.86	20	28.19
Mar. 16	27.17	June 17	27.59	Sept. 7	27.99	Dec. 14	28.55

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: 1942-53.

Jan. 14	18.05	Apr. 15	18.17	July 21	19.13	Oct. 10	20.10
Feb. 12	18.12	May 14	18.43	Aug. 13	19.45	20	20.16
Mar. 16	18.18	June 17	18.88	Sept. 7	19.72	Dec. 14	19.92

100. Unruh. NW¼NE¼ sec. 11, T. 20 S., R. 15 W. Drilled observation water-table well in Dakota formation, diameter 5 inches, depth 76 feet. Highest water level 27.05 below lsd, June 23, 1949; lowest 35.14 below lsd, Nov. 16, 1947. Records available: 1944-53.

Feb. 12	34.48	May 14	34.15	Aug. 13	33.78	Oct. 20	34.34
Mar. 17	33.73	June 18	34.23	Sept. 8	34.02	Dec. 14	34.15
Apr. 15	33.80	July 21	33.84				

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: 1944-53.

Feb. 12	5.01	May 14	5.10	Aug. 13	4.87	Oct. 20	5.72
Mar. 17	4.59	June 18	5.85	Sept. 8	5.49	Dec. 15	5.27
Apr. 15	4.76	July 21	5.29	Oct. 10	5.82		

107. Carter Oil Co. SE¼SE¼ sec. 10, T. 17 S., R. 11 W. Drilled observation water-table well in Dakota formation, diameter 6 inches, depth 168 feet. Highest water level 95.67 below lsd, May 21, 1952; lowest 101.60 below lsd, Feb. 20, 1946. Records available: 1944-53.

Mar. 17	97.62	June 17	98.80	Sept. 8	97.49	Oct. 20	97.59
Apr. 15	97.38	July 21	97.48	Oct. 10	98.10	Dec. 15	97.91
May 14	97.90	Aug. 13	97.46				

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 14.61 below lsd, July 10, 1946. Records available: 1944-53.

Jan. 14	11.10	Apr. 15	11.26	July 21	11.44	Oct. 10	11.77
Feb. 12	11.15	May 14	11.35	Aug. 13	9.61	20	11.63
Mar. 17	11.10	June 18	12.00	Sept. 8	10.81	Dec. 15	11.43

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: 1944-53.

Jan. 14	13.45	Apr. 15	13.32	July 21	13.01	Oct. 10	12.58
Feb. 12	13.48	May 14	13.33	Aug. 13	12.00	20	12.54
Mar. 17	12.88	June 18	13.47	Sept. 8	12.04	Dec. 15	12.54

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 14.81 below lsd, Sept. 23, 1948. Records available: 1944-53.

Jan. 14	11.31	Apr. 15	11.19	July 21	12.52	Oct. 10	12.78
Feb. 12	11.28	May 14	11.48	Aug. 13	12.11	20	12.84
Mar. 17	11.16	June 18	12.16	Sept. 8	12.66	Dec. 15	12.18

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 194.40 below lsd, Oct. 31, 1953. Records available: 1942-47, 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	193.03	June 30	193.60	Sept. 28	194.10	Nov. 30	194.35
Mar. 26	192.87	July 31	193.75	Oct. 31	194.40	Dec. 30	194.35
May 29	193.30	Sept. 3	194.10				

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. No measurement made in 1953.

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. No measurement made in 1953.

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. No measurement made in 1953.

4-17-17aaa. 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. No measurement made in 1953.

Chase County

18-9-29cc. Peak & Hatcher Co. Drilled domestic water-table well in Bader limestone and Elk Creek shale, diameter 8 inches, depth 24 feet. Highest water level 17.57 below lsd, July 24, 1951; lowest 25.17 below lsd, July 6, 1953. Records available: 1947-53. Apr. 2, 25.08; July 6, 25.17.

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 15.03 below lsd, July 6, 1953. Records available: 1948-53. Apr. 2, 14.06; July 6, 15.03.

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 43.29 below lsd, July 6, 1953. Records available: 1947-53. Apr. 2, 42.83; July 6, 43.29.

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 27.17 below lsd, July 6, 1953. Records available: 1947-53. Apr. 2, 26.58; July 6, 27.17.

20-7-13cb. Geo. W. Starkey. Dug domestic water-table well in Fort Riley and Florence 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: 1947-53. Apr. 2, 20.79; July 6, 52.39.

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 10.96 below lsd, Mar. 6, 1950. Records available: 1947-53. Apr. 2, 10.48; July 6, 10.87.

20-8-16aa. Gerald Brough. Drilled domestic water-table well in Cottonwood limestone, diameter 7 inches, depth 33 feet. Highest water level 3.28 below lsd, July 24, 1951; lowest 12.01 below lsd, July 6, 1953. Records available: 1947-53. Apr. 2, 11.56; July 6, 12.01.

20-9-26dd. Ethel Welch Bell. Drilled domestic water-table well in Crouse limestone, diameter 7 inches, depth 29 feet. Highest water level 13.65 below lsd, Sept. 5, 1950; lowest 16.47 below lsd, Jan. 16, 1951. Records available: 1947-51. Measurement discontinued.

22-6-11cc. Margaret Smith. Drilled unused water-table well in Fort Riley and Florence limestone, diameter 5 inches, depth 86 feet. Highest water level 2.58 below lsd, July 24, 1951; lowest 7.95 below lsd, Sept. 23, 1947. Records available: 1947-53. Apr. 2, 6.50.

Cherokee County

1. W. L. Stiles. NE¼NW¼NE¼ sec. 2, T. 34 S., R. 23 E. Dug domestic water-table well in Bluejacket sandstone, diameter 6 feet, depth 27 feet. Highest water level 5.50 below lsd, May 26, 1943; lowest 18.78 below lsd, Dec. 30, 1953. Records available: 1942-45, 1948, 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	17.20	June 30	14.25	Sept. 30	18.05	Nov. 30	18.60
Mar. 26	16.80	July 31	15.28	Nov. 2	17.76	Dec. 30	18.78
May 29	13.13	Sept. 5	16.90				

3. Mr. Fleming. SW¼ sec. 19, T. 32 S., R. 24 E. Unused water-table well in Roubidoux sandstone, diameter 8 inches, depth 850 feet. Highest water level 196.53 below lsd, July 23, 1943; lowest 208.35 below lsd, Jan. 4, 1951. Records available: 1943, 1950-53. Jan. 28, 206.55; Mar. 26, 206.75; May 29, 207.30.

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 195.25 below lsd, Nov. 30, Dec. 30, 1953. Records available: 1951-53.

Jan. 28	193.23	June 30	194.00	Sept. 30	195.20	Nov. 30	195.25
Mar. 26	193.18	July 31	194.35	Nov. 2	195.20	Dec. 30	195.25
May 29	193.48	Sept. 5	195.10				

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 24.12 below lsd, Sept. 2, 1953. Records available: 1948-53. Feb. 12, 22.86; June 25, 22.95; Sept. 2, 24.12; Dec. 22, 22.80.

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: 1946-53. Feb. 12, 12.96; Sept. 2, 14.91; Dec. 22, 13.80.

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 12.88 below lsd, Dec. 22, 1953. Records available: 1946-53. Feb. 12, 12.14; June 25, 12.17; Sept. 2, 12.87; Dec. 22, 12.88.

2-38-10bba. 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 27.31 below lsd, Dec. 22 1953. Records available: 1947-53. Feb. 15, 26.28; June 25, 26.13; Sept. 2, 26.79; Dec. 22, 27.31.

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 11.47 below lsd, Sept. 2, 1953. Records available: 1946-47, 1949-50, 1952-53. Feb. 12, 12.82; June 25, 13.77; Sept. 2, 14.47.

2-39-19ccc. A. C. Keller. Drilled well, diameter 4 inches, depth 23 feet. Highest water level 15.03 below lsd, May 6, 1952; lowest 17.48 below lsd, Sept. 2, 1953. Records available: 1948-50, 1952-53. Feb. 12, 16.11; June 25, 16.15; Sept. 2, 17.48; Dec. 22, 17.12.

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, 1950; lowest 19.50 below lsd, Mar. 27, 1946. Records available: 1946-53. Feb. 15, 18.40; June 25, 14.99; Sept. 2, 18.40; Dec. 22, 18.90.

3-40-8baa. P. G. Walter. Drilled stock and observation water-table well in alluvium, diameter 5 inches, depth 16 feet. Highest water level 11.38 below lsd, Feb. 25, 1947; lowest 21.45 below lsd, Dec. 22, 1953. Records available: 1943-53. Feb. 12, 20.64; June 25, 20.80; Sept. 2, 21.03; Dec. 22, 21.45.

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: 1946-53. Feb. 15, 13.58; June 25, 13.82; Sept. 2, 14.55; Dec. 22, 15.11.

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: 1946-53. Feb. 12, 10.84; June 25, 11.46; Sept. 2, 11.69.

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: 1946-53. Feb. 15, 13.11; June 25, 13.17; Sept. 2, 13.33; Dec. 22, 13.44.

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, 1952-53. Feb. 12, 12.47; June 25, 13.33; Sept. 2, 12.12; Dec. 22, 9.63.

4-41-2aad. W. E. Johnson. Drilled domestic and 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: 1946-53. Feb. 12, 25.60; June 25, 26.49; Sept. 2, 26.94; Dec. 22, 25.86.

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 114.76 below lsd, Aug. 16, 1946. Records available: 1946-47, 1949-53. Feb. 12, 112.82; June 25, 112.96; Sept. 2, 112.82; Dec. 22, 113.97.

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: 1946-53. June 25, 25.20; Sept. 2, 25.54; Dec. 22, 25.14.

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 23.68 below lsd, Aug. 2, 1949. Records available: 1946-50, 1952-53. Feb. 12, 22.87; June 25, 23.07; Sept. 2, 23.00; Dec. 22, 23.08.

Clark County

6. District School. $NE\frac{1}{4}NE\frac{1}{4}$ 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, 1950-53. Mar. 23, 27.20; June 29, 27.35; Aug. 31, 27.28; Dec. 9, 27.15.

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. No measurement made in 1953.

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. No measurement made in 1953.

Comanche County

1. A. A. Carpenter. $NE\frac{1}{4}NW\frac{1}{4}$ 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: 1940-53. Mar. 23, 36.22; June 29, 36.41; Aug. 31, 36.19; Dec. 9, 36.07.

3. E. Deewall. $SW\frac{1}{4}NE\frac{1}{4}$ 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. June 29, 74.84; Aug. 31, 74.48.

9. H. R. Burnette. $NW\frac{1}{4}NE\frac{1}{4}$ sec. 13, T. 32 S., R. 17 W. Drilled unused water-table well, diameter 5 inches, depth 102 feet. Highest water level 84.70 below lsd, June 13, 1950; lowest 98.30 below lsd, Dec. 20, 1946. Records available: 1940-51. No measurement made in 1953.

Decatur County

2-29-13cc. Unger Sisters. SW¼SW¼ sec. 13, T. 2 S., R. 29 W. Drilled unused observation well in Ogallala formation, diameter 6 inches. Highest water level 125.74 below lsd, Aug. 22, 1952; lowest 127.83 below lsd, Aug. 4, 1953. Records available: 1952-53. Aug. 22, 1952, 125.74; May 11, 1953, 126.94; Aug. 4, 127.83.

3-28-5cc. John Hicks. SW¼SW¼ sec. 5, T. 3 S., R. 26 W. Drilled unused observation well in Ogallala formation, diameter 5 inches. Highest water level 141.02 below lsd, Aug. 22, 1952; lowest 142.47 below lsd, May 11, 1953. Records available: 1952-53. Aug. 22, 1952, 141.02; Jan. 6, 1953, 141.52; Feb. 17, 141.60; May 11, 142.47; Aug. 4, 141.48.

Douglas County

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. No measurement made in 1953.

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. No measurement made in 1953.

12-20-17ccb. Frank D. Walters. NW¼SW¼SW¼ sec. 17, T. 12 S., R. 20 E. 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 22.71 below lsd, Dec. 31, 1953. Records available: 1952-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.68	.....	20.07	19.94	20.15	20.28	20.67	21.08	21.59	22.06	22.37	22.60
2	19.68	.....	20.08	19.92	20.16	20.28	20.68	21.09	21.60	22.07	22.38	22.61
3	19.69	.....	20.08	19.89	20.18	20.29	20.70	21.11	21.61	22.08	22.39	22.61
4	19.70	.....	20.09	19.90	20.19	20.30	20.71	21.12	21.64	22.09	22.39	22.62
5	19.70	.....	20.09	19.90	20.19	20.31	20.71	21.14	21.65	22.11	22.40	22.62
6	19.71	.....	20.09	19.90	20.19	20.32	20.73	21.16	21.67	22.11	22.41	22.62
7	19.71	.....	20.09	19.90	20.20	20.33	20.74	21.18	21.69	22.13	22.41	22.63
8	19.72	.....	20.09	19.92	20.20	20.34	20.75	21.19	21.70	22.14	22.42	22.63
9	19.73	.....	20.05	19.96	20.21	20.35	20.76	21.20	21.72	22.15	22.43	22.63
10	19.74	.....	19.96	19.97	20.21	20.37	20.77	21.22	21.74	22.16	22.43	22.64
11	19.75	.....	19.90	19.98	20.22	20.38	20.78	21.23	21.75	22.17	22.44	22.65
12	19.76	.....	19.86	19.99	20.23	20.39	20.79	21.20	21.73	22.19	22.44	22.65
13	19.76	.....	19.85	19.99	20.24	20.40	20.80	21.22	21.78	22.20	22.45	22.65
14	19.76	.....	19.82	19.99	20.24	20.42	20.82	21.29	21.79	22.21	22.46	22.66
15	19.76	.....	19.81	20.01	20.25	20.44	20.83	21.31	21.81	22.22	22.46	22.66
16	19.79	.....	19.81	20.02	20.25	20.46	20.84	21.33	21.83	22.23	22.47	22.67
17	19.80	.....	19.81	20.03	20.03	20.47	20.85	21.34	21.85	22.24	22.48	22.67
18	19.80	.....	19.81	20.07	20.19	20.48	20.86	21.35	21.86	22.26	22.48	22.68
19	19.80	.....	19.82	20.08	20.17	20.50	20.87	21.37	21.88	22.27	22.48	22.68
20	19.81	.....	19.82	20.09	20.15	20.52	20.88	21.39	21.90	22.28	22.49	22.68
21	19.82	.....	19.84	20.08	20.16	20.53	20.90	21.40	21.92	22.29	22.50	22.68
22	19.83	.....	19.87	20.09	20.21	20.55	20.91	21.41	21.94	22.30	22.51	22.68
23	19.83	.....	19.90	20.09	20.21	20.56	20.93	21.43	21.95	22.31	22.51	22.69
24	19.84	.....	19.94	20.09	20.23	20.57	20.94	21.44	21.96	22.32	22.52	22.69
25	19.86	.....	19.96	20.12	20.25	20.59	20.96	21.46	21.98	22.33	22.52	22.69
26	19.86	.....	19.98	20.12	20.26	20.60	20.98	21.48	21.99	22.34	22.53	22.69
27	.....	.....	19.98	20.12	20.26	20.62	20.99	21.49	22.01	22.35	22.53	22.69
28	.....	.....	19.99	20.12	20.26	20.63	21.01	21.51	22.03	22.36	22.54	22.69
29	.....		19.99	20.13	20.26	20.64	21.03	21.53	22.04	22.36	22.55	22.69
30	.....		19.98	20.14	20.27	20.66	21.05	21.56	22.05	22.37	22.60	22.70
31	.....		19.98		20.27		21.07	21.57		22.37		22.71

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 7.97 below lsd, Sept. 13, 1946. Records available: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	6.30	Apr. 14	6.71	July 20	7.14	Oct. 19	7.34
Feb. 11	6.55	May 13	6.83	Aug. 12	7.27	Nov. 9	7.29
Mar. 16	6.65	June 17	7.04	Sept. 7	7.69	Dec. 14	7.03

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 63.23 below lsd, Oct. 9, 1953; lowest 66.20 below lsd, Mar. 13, 1946. Records available: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	63.43	Apr. 14	63.60	July 20	63.39	Oct. 9	63.23
Feb. 11	63.48	May 13	63.69	Aug. 12	63.49	Nov. 19	63.38
Mar. 16	63.47	June 17	63.46	Sept. 7	63.41		

25-16-31da. E. B. Mayhew. NE¼SE¼ sec. 31, T. 25 S., R. 16 W. Drilled unused irrigation well, diameter 15 inches, depth 70 feet. Highest water level 15.61 below lsd, Oct. 6, 1952; lowest 17.73 below lsd, Dec. 14, 1953. Records available: 1945, 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 3, 1945	15.81	Apr. 14, 1953	16.18	July 20, 1953	16.79	Oct. 19, 1953	17.58
Oct. 6, 1952	15.61	May 13	16.41	Aug. 12	17.09	Nov. 9	17.50
Feb. 11, 1953	16.09	June 17	16.63	Sept. 7	17.17	Dec. 14	17.73
Mar. 16	16.21						

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 17.70 below lsd, Oct. 15, 1947. Records available: 1941-53. Apr. 15, 15.72; Oct. 20, 17.50.

218. W. W. Bemis. NE¼NE¼ sec. 16, T. 12 S., R. 17 W. Dug unused water-table well in Codell sandstone, 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: 1941-53. Jan. 15, 33.98; Apr. 15, 38.23; July 21, 42.27; Oct. 20, 44.95.

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 19.88 below lsd, Nov. 16, 1950. Records available: 1946-53. Feb. 24, 19.05.

14-16-36bc. Tony Wagner. Dug stock and 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 23.40 below lsd, Dec. 9, 1952. Records available: 1946-52. No measurement made in 1953.

14-18-12bb. J. Brull. Dug domestic and stock water-table well in sand, diameter 4 feet, depth 31 feet, cribbed with stone. Highest water level 19.90 below lsd, Dec. 26, 1951; lowest 27.15 below lsd, July 30, 1946. Records available: 1946-53. Feb. 24, 20.40.

14-18-26aa. F. J. Befort. Dug domestic and 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: 1946-53. Feb. 24, 19.41.

15-16-6dd. Ted Thalen. Dug domestic and 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: 1946-53. Feb. 24, 21.10.

15-16-13bb. Ethel M. Witt. Dug domestic and 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. No measurement made in 1953.

15-17-25cb. George Meder. Dug domestic and observation water-table well, diameter 4 feet, depth 15 feet, cribbed with stone. Highest water level 10.08 below lsd, July 27, 1951; lowest 12.99 below lsd, Feb. 10, 1950. Records available: 1946-52. No measurement made in 1953.

15-18-1bb. Mat Rohr. Dug stock and 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: 1946-53. Feb.24, 17.30.

15-18-16bb. T. W. Wolf. Dug domestic and 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 9.55 below lsd, July 12, 1946. Records available: 1946-53. Feb. 24, 9.53.

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 25, 1951; lowest 11.46 below lsd, Mar. 8, 1941. Records available: 1936-53.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.80	7.68	7.66	7.62	7.70	8.14	8.54	8.26	8.74	9.16	....	9.58
2	7.80	7.68	7.66	7.62	7.70	8.15	8.51	8.31	8.71	9.23	....	9.57
3	7.79	7.67	7.66	7.63	7.71	8.15	8.49	8.35	8.71	9.27	....	9.57
4	7.79	7.67	7.67	7.62	7.72	8.16	8.49	8.37	8.74	9.31	....	9.56
5	7.78	7.68	7.66	7.60	7.72	8.16	8.52	8.40	8.77	9.35	....	9.55
6	7.78	7.69	7.66	7.60	7.73	8.17	8.43	8.42	8.80	9.39	....	9.54
7	7.78	7.69	7.65	7.59	7.74	8.18	8.41	8.45	8.82	9.43	....	9.53
8	7.78	7.70	7.65	7.57	7.74	8.20	8.43	8.47	8.86	9.46	....	9.53
9	7.80	7.72	7.64	7.57	7.75	8.21	8.47	8.50	8.89	9.50	....	9.52
10	7.87	7.74	7.64	7.59	7.77	8.22	8.53	8.52	8.91	9.52	....	9.51
11	7.83	7.75	7.64	7.60	7.80	8.22	8.58	8.55	8.93	9.56	....	9.50
12	7.75	7.76	7.63	7.61	7.79	8.24	8.63	8.56	8.95	9.59	....	9.49
13	7.75	7.75	7.62	7.61	7.80	8.25	8.67	8.54	8.96	9.61	....	9.48
14	7.73	7.74	7.62	7.56	7.81	8.26	8.68	8.47	9.00	9.63	....	9.47
15	7.74	7.72	7.61	7.51	7.84	8.27	8.70	8.46	9.03	9.66	9.71	9.47
16	7.73	7.72	7.60	7.53	7.86	8.31	8.72	8.46	9.07	9.69	9.70	9.45
17	7.73	7.71	7.60	7.55	7.89	8.32	8.75	8.44	9.11	9.71	9.69	9.44
18	7.72	7.70	7.60	7.56	7.91	8.35	8.77	8.47	9.16	9.73	9.68	9.42
19	7.72	7.70	7.60	7.59	7.93	8.37	8.81	8.51	9.20	9.75	9.67	9.42
20	7.72	7.70	7.59	7.60	7.95	7.43	8.82	8.55	9.23	9.75	9.66	9.41
21	7.72	7.70	7.59	7.60	7.97	7.46	8.83	....	9.25	9.72	9.66	9.39
22	7.71	7.70	7.60	7.61	8.00	7.48	8.82	....	9.08	9.63	9.65	9.38
23	7.71	7.68	7.60	7.65	8.03	8.52	8.11	....	8.79	9.57	9.65	9.37
24	7.70	7.67	7.60	7.68	8.05	8.53	7.56	....	8.71	9.58	9.64	9.36
25	7.70	7.67	7.60	7.70	8.06	8.57	7.63	8.65	8.76	9.61	9.63	9.35
26	7.69	7.67	7.61	7.71	8.09	8.59	7.77	8.67	8.80	....	9.62	9.34
27	7.69	7.66	7.62	7.69	8.11	8.62	7.88	8.70	8.86	....	9.61	9.32
28	7.69	7.66	7.59	7.67	8.12	8.64	7.98	8.72	8.95	....	9.61	9.32
29	7.69		7.59	7.68	8.13	8.66	8.07	8.74	9.03	....	9.60	9.31
30	7.68		7.59	7.69	8.12	8.61	8.14	8.75	9.10	....	9.59	9.31
31	7.68		7.60		8.13		8.21	8.73		....		9.29

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: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	16.52	Apr. 21	16.69	July 8	17.03	Nov. 5	17.33
Feb. 10	16.63	May 7	16.72	Aug. 6	17.19	Dec. 16	17.46
Mar. 18	16.70	June 24	16.91	Sept. 3	17.35		

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: 1939-53. Jan. 19, 12.32; Mar. 25, 12.43; Aug. 20, 13.83; Sept. 10, 14.25; Oct. 15, 14.52; Nov. 30, 14.40; Dec. 16, 14.41.

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: 1939-53. Feb. 2, 72.04; May 27, 72.03; Aug. 20, 72.01; Nov. 30, 72.10.

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 4.63 below lsd, Sept. 23, 1939. Records available: 1939-53.

13--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	3.11	Apr. 14	3.60	July 20	4.52	Oct. 19	4.55
Feb. 11	3.19	May 13	3.66	Aug. 12	4.40	Nov. 9	3.92
Mar. 16	3.23	June 17	4.20	Sept. 7	4.44	Dec. 14	3.55

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 45.30 below lsd, Feb. 17, 1940. Records available: 1939-53. Jan. 19, 39.98; Apr. 23, 40.22; July 27, 41.08; Oct. 15, 41.47.

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 71.60 below lsd, Apr. 24, 1941. Records available: 1934, 1939-53. Jan. 19, 66.58; Apr. 23, 67.64; July 27, 68.96.

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: 1942-53.

Mar. 16	111.64	June 17	111.89	Sept. 7	110.74	Nov. 9	110.26
Apr. 14	111.86	July 20	111.19	Oct. 19	110.28	Dec. 14	111.86
May 13	111.87	Aug. 12	110.48				

21-30-5bb. F. T. Carl. Drilled domestic and stock water-table well, diameter 6 inches, depth 44 feet. Highest water level 26.72 below lsd, Jan. 28, 1952; lowest 28.05 below lsd, Oct. 15, 1953. Records available: 1951-53. Oct. 15, 28.05.

23-27-12cc. C. R. Rixon. SW. cor. SW¼ sec. 12, T. 23 S., R. 27 W. Drilled unused domestic and stock well, diameter 6 inches, depth 72 feet. Highest water level 64.97 below lsd, Feb. 12, Aug. 20, 1953; lowest 68.33 below lsd, Sept. 27, 1939. Records available: 1939, 1952-53. Sept. 27, 1939, 68.33; Sept. 24, 1952, 64.98; Feb. 12, 1953, 64.97; Aug. 20, 64.97.

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 8.17 below lsd, Nov. 7, 1939, July 20, Oct. 18, 1953. Records available: 1938-53. Jan. 13, 6.58; Apr. 14, 7.01; July 20, 8.17; Oct. 18, 8.17.

25-22-20aa. Mary Arends. NE¼NE¼ sec. 20, T. 25 S., R. 22 W. 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, 1951-53. Apr. 20, 1939, 65.96; Oct. 8, 1951, 65.38; Apr. 15, 1952, 65.30; Oct. 20, 65.37; Apr. 14, 1953, 64.78; July 30, 65.21; Oct. 18, 67.75.

59. Ward Byers Estate. NE¼NE¼ sec. 21, T. 26 S., R. 26 W. Drilled irrigation water-table well in Ogallala formation, diameter 16 inches, depth 187 feet. Highest water level 13.63 below lsd, Aug. 29, 1950; lowest 26.98 below lsd, Aug. 9, 1946. Records available: 1938-51. Measurement discontinued.

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: 1938-53. Jan. 13, 7.32; Apr. 14, 7.09; July 20, 8.07; Oct. 18, 8.53.

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, 1952-53.

Jan. 13	103.11	Apr. 14	103.25	July 20	103.75	Oct. 18	105.88
Feb. 10	103.36	May 13	104.34	Aug. 12	103.69	Nov. 9	104.63
Mar. 16	103.10	June 17	103.74	Sept. 7	104.20	Dec. 14	103.58

1003. U. S. Army. NE¼NE¼ sec. 13, T. 26 S., R. 26 W. Drilled industrial water-table well in Ogallala formation, diameter 13 inches, depth 255 feet. Highest water level 94.35 below lsd, July 4, 1944; lowest 109.52 below lsd, Aug. 19, 1943. Records available: 1942-53. Jan. 13, 100.90; Feb. 10, 101.39; Mar. 16, 102.32; Apr. 14, 103.14; May 13, 100.95. Measurement discontinued.

Franklin County

17-19-11da. L. W. Seright. Drilled unused water-table well in Weston shale and Stanton limestone, diameter 6 inches, depth 17 feet. Highest water level 3.61 below lsd, Aug. 2, 1951; lowest 8.72 below lsd, Nov. 2, 1948. Records available: 1948-52. No measurement made in 1953.

Gove County

11-27-16aa. M. E. Neher. NE¼NE¼ sec. 16, T. 11 S., R. 27 W. 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: 1952-53. Aug. 5, 1952, 94.54; Feb. 16, 1953, 94.27; May 11, 94.13; Aug. 4, 94.08.

11-29-8dd. A. W. Hoover. SE¼SE¼ sec. 8, T. 11 S., R. 29 W. Drilled public-supply well in Ogallala formation, diameter 5 inches, depth 112 feet. Highest water level 100.15 below lsd, Jan. 5, 1953; lowest 100.49 below lsd, Aug. 11, 1952. Records available: 1952-53. Aug. 11, 1952, 100.49; Jan. 5, 1953, 100.15; Feb. 16, 100.33.

11-31-10aa. Thos. P. Johnstone. NE¼NE¼ sec. 10, T. 11 S., R. 31 W. Drilled unused observation well in Ogallala formation, diameter 5 inches, depth 97 feet. Highest water level 88.69 below lsd, Aug. 11, 1952; lowest 90.30 below lsd, Nov. 23, 1953. Records available: 1952-53. Aug. 11, 1952, 88.69; Jan. 5. 1953, 89.64; Feb. 16, 89.95; May 11, 89.97; Aug. 4, 90.15; Nov. 23, 90.30.

Graham County

6-23-12cc. H. Hauser. NW¼SW¼ sec. 12, T. 6 S., R. 23 W. Drilled stock well in Ogallala formation, diameter 5 inches, depth 70 feet. Highest water level 61.90 below lsd, July 23, 1952; lowest 62.96 below lsd, Aug. 4, 1953. Records available: 1952-53. July 23, 1952, 61.90; Jan. 5, 1953, 62.10; Feb. 16, 62.60; May 11, 62.72; Aug. 4, 62.96.

7-23-35ddd. Chas. Stuchlik. SE¼SE¼SE¼ sec. 35, T. 7 S., R. 23 W. Drilled unused observation well in Dakota and Ogallala formations, diameter 8 inches. Highest water level 38.09 below lsd, Aug. 15, 1952; lowest 40.37 below lsd, Nov. 23, 1953. Records available: 1952-53. Aug. 15, 1952, 38.09; Feb. 16, 1953, 39.28; May 11, 39.71; Aug. 4, 39.98; Nov. 23, 40.37.

7-23-36ccd. Hill City Cemetery. SE¼SW¼SW¼ sec. 36, T. 7 S., R. 23 W. Dug unused well in Ogallala formation, diameter 42 inches, depth 54 feet. Highest water level 25.68 below lsd, Aug. 4, 1953; lowest 31.95 below lsd, Feb. 16, 1953. Records available: 1952-53. Aug. 15, 1952, 30.28; Jan. 5, 1953. 30 77; Feb. 16, 31.95; May 11, 31.91; Aug. 4, 25.68; Nov. 23, 31.80.

8-22-3dcd. F. O. Dunwody. SE¼SW¼SE¼ sec. 3, T. 8 S., R. 22 W. Drilled unused stock well in terrace deposits, diameter 8 inches, depth 25 feet. Highest water level 13.89 below lsd, Aug. 14, 1952; lowest 16.52 below lsd, May 11, 1953. Records available: 1952-53. Aug. 14, 1952, 13.89; Jan. 5, 1953, 15.52; Feb. 16, 16.07; May 11, 16.52; Aug. 4, 15.63; Nov. 23, 16.44.

10-23-14bcc. J. Diebolt. SW¼SW¼NW¼ sec. 14, T. 10 S., R. 23 W. Drilled unused well in Ogallala formation, diameter 4 inches, depth 40 feet. Highest water level 29.35 below lsd, Aug. 13, 1952; lowest 30.76 below lsd, Nov. 23, 1953. Records available: 1952-53. Aug. 13, 1952, 29.35; May 11, 1953, 29.93; Aug. 4, 30.02; Nov. 23, 30.76.

Grant County

4a. City of Ulysses. SE¼SE¼ sec. 36, T. 28 S., R. 37 W. Drilled observation well in Ogallala formation, diameter 4 inches, depth 158 feet. Highest water level 84.03 below lsd, Feb. 18, 1953; lowest 86.10 below lsd, Nov. 18, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	85.05	Apr. 9	85.28	Aug. 10	85.54	Oct. 8	85.92
Feb. 18	84.03	May 25	85.50	Sept. 2	85.71	Nov. 18	86.10
Mar. 11	84.59	July 16	85.55				

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 68.60 below lsd, Aug. 11, 1952. Records available: 1941-53. Feb. 25, 66.94; May 25, 68.10; Aug. 10, 68.20; Nov. 18, 66.84.

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: 1941-53. Feb. 25, 78.50; May 25, 78.40; Aug. 10, 78.44; Nov. 18, 78.32.

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 52.78 below lsd, Feb. 28, 1945; lowest 59.16 below lsd, Nov. 6-11, 1952. Records available: 1944-53.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	58.29	58.24	.....	58.45	58.79	58.93	58.86	58.91	58.90	58.49	58.40	57.86
2	58.29	58.27	.....	58.49	58.81	58.90	58.88	58.86	58.91	58.50	58.38	57.83
3	58.28	58.29	.....	58.53	58.84	58.88	58.91	58.82	58.92	58.51	58.36	57.82
4	58.23	58.29	.....	58.55	58.85	58.85	58.93	58.82	58.93	58.53	58.35	57.81
5	58.22	58.30	.....	58.58	58.85	58.84	58.94	58.82	58.94	58.55	58.33	57.80
6	58.22	58.31	.....	58.59	58.85	58.82	58.95	58.81	58.95	58.56	58.32	57.78
7	58.20	58.32	.....	58.62	58.85	58.80	58.96	58.80	58.95	58.58	58.31	57.77
8	58.20	58.32	.....	58.64	58.85	58.76	58.96	58.80	58.96	58.60	58.30	57.75
9	58.20	58.33	.....	58.65	58.86	58.75	58.98	58.80	58.97	58.61	58.26	57.74
10	58.19	58.35	.....	58.67	58.87	58.74	58.98	58.80	58.97	58.62	58.22	57.73
11	58.18	58.36	58.21	58.68	58.90	58.74	58.99	58.82	58.97	58.63	58.20	57.72
12	58.18	58.37	58.21	58.68	58.91	58.72	58.99	58.83	58.97	58.64	58.17	57.70
13	58.15	58.38	58.21	58.65	58.92	58.71	58.99	58.85	58.95	58.65	58.15	57.68
14	58.14	58.40	58.23	58.32	58.94	58.70	58.98	58.86	58.94	58.65	58.13	57.67
15	58.15	58.41	58.24	58.62	58.96	58.70	58.97	58.86	58.94	58.65	58.11	57.66
16	58.18	58.43	58.20	58.61	58.96	58.71	58.96	58.86	58.93	58.66	58.09	57.65
17	58.18	58.42	58.17	58.61	58.98	58.72	58.96	58.87	58.93	58.66	58.06	57.62
18	58.18	58.38	58.18	58.63	58.98	58.73	58.96	58.87	58.92	58.66	58.05	57.61
19	58.20	58.38	58.18	58.63	58.98	58.76	58.97	58.86	58.88	58.66	58.04	57.59
20	58.21	58.40	58.18	58.62	58.99	58.78	59.00	58.86	58.88	58.66	58.02	57.57
21	58.20	58.41	58.20	58.62	58.99	58.79	58.99	58.86	58.84	58.65	58.02	57.57
22	58.21	58.37	58.21	58.63	58.99	58.81	58.99	58.85	58.72	58.63	58.00	57.55
23	58.20	58.35	58.21	58.65	59.00	58.82	58.99	58.85	58.61	58.61	57.97	57.54
24	58.19	58.32	58.22	58.67	59.00	58.82	58.99	58.85	58.55	58.58	57.97	57.53
25	58.16	58.31	58.23	58.71	59.00	58.83	58.96	58.85	58.51	58.56	57.94	57.52
26	58.15	58.29	58.27	58.72	58.99	58.94	58.95	58.85	58.50	58.55	57.93	57.51
27	58.14	58.28	58.29	58.73	58.99	58.85	58.95	58.85	58.48	58.53	57.93	57.49
28	58.14	.....	58.32	58.73	58.98	58.85	58.95	58.85	58.48	58.51	57.91	57.47
29	58.14		58.34	58.76	58.97	58.86	58.95	58.85	58.48	58.47	57.89	57.45
30	58.18		58.38	58.77	58.96	58.86	58.95	58.88	58.48	58.44	57.88	57.45
31	58.21		58.42		58.95		58.94	58.90		58.42		57.43

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, 1951-53. Feb. 25, 174.02; May 25, 174.09; Aug. 10, 174.45; Nov. 18, 173.94.

Gray County

3. N. A. Mans. NE¼SW¼NW¼ sec. 7, T. 28 S., R. 27 W. Drilled unused water-table well in Ogallala formation and deposits of Pleistocene age, diameter 6 inches, depth 201 feet. Highest water level 161.48 below lsd, Dec. 10, 1952; lowest 169.33 below lsd, Sept. 21, 1948. Records available: 1939-53. Mar. 12, 163.36.

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 54.89 below lsd, June 9, 1952; lowest 59.74 below lsd, Aug. 18, 1943. Records available: 1939-53. Mar. 12, 55.90; June 4, 55.97; Sept. 9, 56.00; Dec. 29, 56.16.

25-29-35. SW¼SW¼ sec. 35, T. 25 S., R. 29 W. Drilled unused irrigation well, diameter 12 inches, depth 28 feet. Highest water level 6.12 below lsd, Mar. 16, 1953; lowest 7.14 below lsd, Sept. 11, 1952. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 11, 1952	7.14	Apr. 14, 1953	6.24	July 20, 1953	7.08	Sept. 7, 1953	6.79
Feb. 11, 1953	6.14	May 13	6.41	Aug. 12	6.76	Oct. 19	7.02
Mar. 16	6.12	June 4	6.80				

Greeley County

16-41-20ba. J. Howell. Drilled stock and 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: 1947-53. Jan. 20, 130.00; Mar. 18, 130.09; May 7, 130.18; July 9, 131.27; Sept. 3, 130.16.

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: 1947-53. Jan. 20, 138.20; Mar. 18, 138.28; May 7, 138.12; July 9, 138.27; Sept. 3, 138.53; Nov. 5, 138.34.

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: 1947-53. Jan. 20, 89.37; Mar. 18, 89.33; May 7, 89.25; July 9, 89.24; Sept. 3, 89.15.

Hamilton County

2a. Robert Hazlett. NE¼NE¼ sec. 21, T. 23 S., R. 43 W. Drilled well, diameter 40 inches, depth 33 feet. Highest water level 12.04 below lsd, June 29, 1951; lowest 15.95 below lsd, Aug. 19, 1948. Records available: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	14.42	Apr. 24	14.27	Aug. 14	14.67	Oct. 16	15.12
Feb. 20	14.52	June 26	14.98	Sept. 11	14.74	Dec. 31	14.86
Mar. 27	14.58	July 24	15.24				

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 15.59 below lsd, July 24, 1953. Records available: 1939-53.

Jan. 23	14.04	Apr. 24	14.25	July 24	15.59	Oct. 16	14.99
Feb. 18	14.26	May 21	14.21	Aug. 19	14.62	Nov. 12	14.76
Mar. 27	14.45	June 26	14.47	Sept. 11	14.67	31	14.73

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 55.95 below lsd, June 12, 1953. Records available: 1939-53.

Jan. 2	53.71	Apr. 3	53.85	July 10	55.74	Oct. 2	55.40
9	53.65	10	53.84	17	55.74	9	55.22
16	53.65	17	53.81	24	55.66	16	54.92
23	53.58	24	53.77	31	55.52	23	54.69
30	53.62	May 1	53.72	Aug. 7	55.43	Nov. 6	54.41
Feb. 6	53.64	8	53.78	14	55.25	12	54.31
13	53.58	21	54.46	21	55.10	20	54.24
20	53.48	29	53.97	28	54.90	27	53.88
27	53.54	June 5	55.32	Sept. 4	54.95	Dec. 6	54.41
Mar. 6	53.65	12	55.95	11	55.04	11	53.89
13	53.72	22	55.50	18	55.14	17	53.90
20	53.68	26	55.62	25	55.26	24	53.97
27	53.83	July 3	55.74				

7. I. E. Martin. NW¼SW¼ sec. 16, T. 23 S., R. 40 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 4 inches, depth 61 feet. Highest water level 42.25 below lsd, Dec. 2, 1944; lowest 46.00 below lsd, Nov. 27, 1940. Records available: 1939-53. Feb. 18, 43.99; May 21, 44.07; Aug. 19, 44.17; Nov. 12, 44.20.

Harvey County

325. A. L. Gouldener. SW¼SE¼ sec. 19, T. 23 S., R. 3 W. Drilled observation well in coarse gravel and alluvium, diameter 8 inches, depth 26 feet. Highest water level 5.16 below lsd, May 1, 1945; lowest 12.92 below lsd, Apr. 1, 1938. Records available: 1937-52. Measurement discontinued.

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 17.88 below lsd, Oct. 1, 1953. Records available: 1938-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.37	16.24	16.12	16.24	16.13	15.97	16.17	17.26	.....	17.88	17.03	17.02
2	16.39	16.26	16.06	16.23	16.17	16.01	16.36	17.26	.....	17.86	17.03	16.99
3	16.43	16.29	16.05	16.21	16.17	16.10	16.48	17.13	.....	17.86	17.05	16.94
4	16.44	16.30	16.00	16.26	16.16	16.15	16.45	17.31	17.39	17.83	17.05	16.94
5	16.44	16.32	15.97	16.26	16.11	16.18	16.46	17.35	17.47	17.84	17.06	16.92
6	16.44	16.33	15.95	16.24	16.06	16.19	16.48	17.28	17.47	17.82	17.05	16.92
7	16.45	16.33	15.99	16.23	16.03	16.17	16.50	17.37	17.54	17.73	17.07	16.87
8	16.44	16.30	16.02	16.24	16.01	16.19	16.52	17.50	17.61	17.72	17.07	16.85
9	16.38	16.31	16.03	16.26	15.92	16.23	16.54	17.50	17.67	17.66	17.07	16.89
10	16.28	16.31	16.03	16.26	15.93	16.25	16.49	17.42	17.73	17.65	17.06	16.94

506--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	16.25	16.30	16.00	16.24	15.93	16.27	16.48	17.55	17.77	17.63	17.06	17.02
12	16.19	16.26	15.97	16.26	15.97	16.29	16.38	17.62	17.78	17.63	17.06	17.03
13	16.14	16.23	15.94	16.28	15.98	16.31	16.35	17.66	17.75	17.63	17.05	17.07
14	16.11	16.16	15.86	16.30	15.97	16.33	16.09	17.71	17.60	17.57	17.04	17.09
15	16.12	16.15	15.82	16.31	15.97	16.40	15.94	17.74	17.66	17.51	17.04	17.13
16	16.12	16.14	15.82	16.31	15.97	16.40	16.07	17.74	17.66	17.55	17.04	17.15
17	16.10	16.14	15.81	16.33	15.87	16.42	16.14	17.69	17.65	.....	17.02	17.16
18	16.07	16.11	15.83	16.39	15.71	16.48	16.32	17.69	17.64	.....	17.01	17.16
19	16.07	16.10	15.83	16.42	15.56	16.47	16.30	17.63	17.58	.....	17.00	17.07
20	16.10	16.15	15.81	16.43	15.62	16.59	16.46	17.70	17.58	.....	16.98	17.01
21	16.10	16.19	15.83	16.42	15.66	16.57	16.46	17.76	17.59	.....	16.98	16.94
22	16.10	16.19	15.85	16.42	15.75	16.50	16.66	17.78	17.59	.....	16.98	16.95
23	16.10	16.18	15.91	16.39	15.77	16.46	16.67	17.79	17.59	17.24	16.95	16.95
24	16.10	16.18	15.98	16.33	15.79	16.37	16.73	17.74	17.60	17.22	16.97	16.89
25	16.09	16.17	16.02	16.27	15.83	16.31	16.85	17.81	17.60	17.17	16.98	16.91
26	16.03	16.17	16.06	16.26	15.87	16.29	16.83	17.81	17.61	17.11	16.99	16.97
27	16.09	16.18	16.10	16.22	15.91	16.47	16.87	17.53	17.61	17.07	17.05	17.01
28	16.12	16.18	16.14	16.16	15.94	16.46	.....	17.44	17.61	17.04	17.04	17.02
29	16.13		16.14	16.12	15.98	16.35	.....	.....	17.81	17.03	17.04	17.09
30	16.18		16.17	16.12	15.98	16.21	.....	.....	17.86	17.02	17.03	17.12
31	16.23		16.22		15.90		17.22	.....		17.02		17.12

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 17.06 below lsd, Nov. 3, 1953. Records available: 1938-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	15.77	May 2	13.17	July 31	15.15	Nov. 3	17.06
Feb. 2	14.65	June 2	13.69	Sept. 1	15.95	Dec. 2	15.08
Mar. 3	13.18	July 2	14.00	Oct. 2	16.83	31	15.95
31	14.52						

736. I. Ansel, Jr. SE¼SW¼SE¼ sec. 12, T. 23 S., R. 3 W. Driven observation and domestic water-table well in dune sand, diameter 1¼ inches, depth 33 feet. Highest water level 3.60 below lsd, July 1, 1952; lowest 12.08 below lsd, June 28, 1950. Records available: 1950-53. Jan. 2, 8.29; Mar. 31, 8.49; July 2, 8.84; Oct. 2, 9.54; Dec. 31, 10.13.

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 18.00 below lsd, Oct. 2, 1953. Records available: 1938-53.

Jan. 2	16.17	May 1	16.36	July 31	16.64	Nov. 3	17.53
Feb. 2	16.26	June 2	16.37	Sept. 1	16.90	Dec. 2	17.60
Mar. 3	16.38	July 2	16.49	Oct. 2	18.00	30	17.65
31	16.32						

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 26.60 below lsd, July 31, 1953. Records available: 1938-53.

Jan. 2	24.22	May 2	25.07	July 31	26.60	Nov. 3	26.33
Feb. 2	24.35	June 2	25.16	Sept. 1	25.94	Dec. 2	26.58
Mar. 2	24.58	July 2	25.26	Oct. 2	26.28	31	26.40
31	24.70						

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: 1938-53.

Jan. 2	12.50	Apr. 30	12.56	July 31	13.44	Nov. 3	14.46
Feb. 2	12.50	June 2	9.59	Sept. 2	13.87	Dec. 1	14.43
Mar. 3	12.54	July 2	13.08	Oct. 2	14.25	31	14.30
31	12.43						

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 18.98 below lsd, Dec. 31, 1953. Records available: 1938-53.

Jan. 2	15.77	Apr. 30	16.80	July 31	17.52	Nov. 3	18.57
Feb. 2	16.04	June 2	11.40	Sept. 1	17.94	Dec. 1	18.78
Mar. 3	16.27	July 2	17.20	Oct. 1	18.19	31	18.98
31	16.50						

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 25.70 below lsd, Dec. 1, 1953. Records available: 1938-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	22.60	Apr. 30	23.67	July 31	24.70	Nov. 3	25.59
Feb. 2	22.67	June 2	23.88	Sept. 1	25.10	Dec. 1	25.70
Mar. 3	22.95	July 2	24.33	Oct. 2	25.49	31	25.68
31	23.19						

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 14.80 below lsd, Dec. 2, 1953. Records available: 1938-53.

Jan. 2	12.51	Mar. 31	12.95	July 2	13.50	Oct. 2	14.54
Feb. 2	12.70	Apr. 30	13.22	31	13.78	Nov. 3	14.72
Mar. 3	12.58	June 2	13.20	Sept. 1	14.20	Dec. 2	14.80

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 14.87 below lsd, Nov. 1, 1940. Records available: 1938-53.

Jan. 2	11.80	May 2	12.12	July 31	12.81	Nov. 3	13.78
Feb. 2	11.86	June 2	12.17	Sept. 1	13.30	Dec. 2	13.66
Mar. 3	14.83	July 2	12.50	Oct. 2	13.60	31	13.76
31	11.75						

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: 1938-53.

Jan. 2	32.48	Mar. 31	32.53	July 2	33.16	Nov. 3	33.00
Feb. 2	32.40	May 2	32.63	31	32.80	Dec. 2	33.03
Mar. 3	32.27	June 2	32.67	Oct. 2	32.97	31	33.23

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 6.30 below lsd, Oct. 1, 1953. Records available: 1939-53.

Jan. 2	4.93	May 1	4.36	July 31	5.33	Nov. 2	6.28
Feb. 2	4.78	June 1	4.33	Sept. 1	6.03	Dec. 2	6.15
Mar. 3	4.56	July 2	4.92	Oct. 1	6.30	31	6.18

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 27.92 below lsd, Dec. 2, 1953. Records available: 1939-53.

Jan. 2	25.96	Mar. 31	26.45	July 2	26.89	Oct. 1	27.53
Feb. 2	26.16	May 1	26.55	31	27.06	Nov. 2	27.75
Mar. 3	26.41	June 1	26.69	Sept. 1	27.30	Dec. 2	27.92

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 15.53 below lsd, Dec. 31, 1953. Records available: 1939-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.87	.....	14.25	14.36	14.48	14.57	.....	14.78	14.97	15.14	.....	15.39
2	13.89	14.13	.....	14.36	14.50	14.57	14.71	14.78	14.97	15.13	15.26	15.39
3	13.89	14.14	.....	14.36	14.50	14.56	14.71	14.79	14.95	15.15	15.27	15.37
4	13.89	14.14	.....	14.36	14.50	14.56	14.71	14.79	14.95	15.19	15.27	15.37
5	13.89	14.14	.....	14.36	14.49	14.57	14.73	14.79	14.95	15.19	15.27	15.40
6	13.90	14.16	.....	14.36	14.48	14.57	14.73	14.79	14.95	15.19	15.27	15.40
7	13.90	14.16	.....	14.36	14.48	14.56	14.73	14.79	14.95	15.19	15.27	15.40
8	13.93	14.16	.....	14.36	14.48	14.58	14.73	14.79	14.99	15.22	15.27	15.41
9	13.93	14.18	.....	14.37	14.47	14.58	14.73	14.79	14.99	.....	15.27	15.41
10	13.94	14.18	.....	14.37	14.47	14.58	14.73	14.79	14.99	.....	15.27	15.41
11	13.96	14.18	.....	14.37	14.48	14.58	14.70	14.79	15.00	.....	15.28	15.41
12	13.95	14.20	.....	14.37	14.48	14.58	14.70	14.79	15.00	.....	15.28	15.41
13	13.95	14.20	.....	14.37	14.48	14.58	14.71	14.79	15.00	.....	15.30	15.41
14	13.96	14.20	.....	14.37	14.48	14.58	14.72	14.79	15.00	.....	15.30	15.41
15	14.01	14.24	.....	14.38	14.48	14.60	14.72	14.81	15.01	.....	15.30	15.41

877--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	14.01	14.24	.....	14.38	14.45	.....	14.73	14.81	15.01	.....	15.31	15.41
17	14.01	14.24	.....	14.38	14.46	.....	14.73	14.81	15.02	.....	15.31	15.41
18	14.00	14.22	.....	14.39	14.46	.....	14.73	14.84	15.02	.....	15.31	15.41
19	14.01	14.23	.....	14.40	14.46	.....	14.73	14.84	15.04	.....	15.31	15.41
20	14.03	14.30	.....	14.40	14.48	.....	14.73	14.85	15.05	.....	15.32	15.41
21	14.03	14.30	.....	14.40	14.49	.....	14.75	14.86	15.05	.....	15.32	15.41
22	14.05	14.29	.....	14.40	14.49	.....	14.75	14.86	15.05	.....	15.32	15.42
23	15.08	14.29	.....	14.40	14.49	.....	14.75	14.86	15.05	.....	15.33	.....
24	15.08	14.27	.....	14.40	14.50	.....	14.75	14.86	15.05	.....	15.33	.....
25	15.08	14.28	.....	14.42	14.50	.....	14.76	14.87	15.05	.....	15.33	.....
26	15.10	14.29	.....	14.42	14.50	.....	14.77	14.87	15.05	.....	15.33	.....
27	15.12	14.30	.....	14.42	14.50	.....	14.77	14.87	15.05	.....	15.33	.....
28	15.12	14.30	.....	14.42	14.50	.....	14.77	14.89	15.06	.....	15.33	.....
29	15.12		.....	14.42	14.50	.....	14.77	14.91	15.09	.....	15.33	.....
30	15.14		.....	14.42	14.50	.....	14.77	14.92	.....	.....	15.33	.....
31	15.14		.....		14.50		.....	.....		.....		15.53

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: 1938-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	32.37	May 2	33.24	July 31	33.92	Nov. 3	34.72
Feb. 2	32.37	June 2	33.37	Sept. 1	34.19	Dec. 2	34.93
Mar. 3	32.46	July 2	32.57	Oct. 2	34.51	31	31.00
31	32.75						

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 34.47 below lsd, Dec. 31, 1953. Records available: 1938-53.

Jan. 2	28.70	May 2	29.23	July 31	29.75	Nov. 3	30.45
Feb. 2	28.80	June 2	28.40	Sept. 1	29.92	Dec. 2	30.66
Mar. 3	31.52	July 2	29.58	Oct. 2	30.23	31	34.47
31	29.05						

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: 1938-53.

Jan. 2	18.48	May 1	9.89	July 31	10.25	Nov. 3	10.84
Feb. 2	9.64	June 2	9.97	Sept. 1	10.10	Dec. 2	10.95
Mar. 3	9.70	July 2	10.10	Oct. 2	10.68	31	11.07
31	9.75						

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 10.74 below lsd, Dec. 31, 1953. Records available: 1938-53.

Jan. 2	9.21	May 1	9.60	July 31	9.95	Nov. 3	10.53
Feb. 2	9.36	June 2	9.68	Sept. 1	10.15	Dec. 2	10.65
Mar. 3	9.37	July 2	9.80	Oct. 2	10.33	31	10.74
31	9.49						

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 30.04 below lsd, Oct. 31, 1952. Records available: 1939-53.

Jan. 2	27.42	Apr. 30	27.30	July 31	29.12	Nov. 3	30.04
Feb. 2	27.52	June 2	27.90	Sept. 1	29.44	Dec. 1	29.95
Mar. 3	27.20	July 2	28.76	Oct. 2	29.34	31	29.08
31	26.88						

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 30.12 below lsd, Nov. 3, 1953. Records available: 1939-53.

Jan. 2	27.49	Apr. 30	27.02	July 31	29.20	Nov. 3	30.12
Feb. 2	27.56	June 2	27.85	Sept. 1	29.52	Dec. 1	30.00
Mar. 3	27.04	July 2	28.80	Oct. 2	29.48	31	29.16
31	27.12						

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 30.57 below lsd, Nov. 3, 1953. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	27.90	Apr. 30	28.20	July 31	29.91	Nov. 3	30.57
Feb. 2	28.06	June 2	28.00	Sept. 1	30.40	Dec. 1	30.48
Mar. 3	27.45	July 2	28.00	Oct. 2	30.50	31	30.10
31	27.96						

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, Apr. 21, 1939; lowest 26.78 below lsd, Oct. 2, 1953. Records available: 1939-53.

Jan. 2	21.64	Apr. 25	22.72	July 25	25.57	Oct. 26	25.38
26	23.03	30	22.90	31	25.58	Nov. 3	26.14
Feb. 2	22.10	May 25	24.35	Aug. 25	25.34	25	25.56
26	23.15	June 2	25.00	Sept. 1	26.65	Dec. 2	24.65
Mar. 3	21.60	26	24.78	25	26.64	24	26.30
26	23.96	July 2	25.40	Oct. 2	26.78	31	26.54
31	24.04						

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 28.25 below lsd, Sept. 1, 1953. Records available: 1939-53.

Jan. 2	22.66	Apr. 30	23.70	July 31	26.77	Nov. 3	27.52
Feb. 2	22.97	June 2	26.30	Sept. 1	28.25	Dec. 2	25.07
Mar. 3	22.38	July 2	26.68	Oct. 2	28.22	31	27.97
31	25.38						

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 below lsd, Nov. 7, 1951; lowest 9.60 below lsd, Dec. 2, 1953. Records available: 1939-53.

Jan. 2	9.31	Mar. 31	8.96	June 2	8.62	July 31	9.50
Feb. 2	8.63	May 2	8.48	July 2	8.88	Dec. 2	9.60
Mar. 3	8.58						

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 10.60 below lsd, Oct. 2, 1953. Records available: 1939-53.

Jan. 2	8.17	May 2	8.54	July 31	9.48	Nov. 3	9.98
Feb. 2	9.00	June 2	8.88	Sept. 1	10.14	Dec. 2	10.48
Mar. 3	8.47	July 2	9.00	Oct. 2	10.60	31	10.30
31	7.99						

890. J. F. Jorgenson. NE¼SE¼SE¼ sec. 21, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 14 feet. Highest water level 0.10 below lsd, May 2, 1945; lowest 7.59 below lsd, Sept. 30, Oct. 1, 1953. Records available: 1939-53. Measurement discontinued.

Jan. 2	6.47	June 2	6.37	Sept. 30	7.59	Dec. 1	7.42
Feb. 2	6.48	July 2	6.79	Oct. 1	7.59	29	7.39
Apr. 1	6.26	31	7.10	Nov. 3	7.50	31	7.39
May 1	6.39	Sept. 1	7.42				

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 4.83 below lsd, Nov. 3, 1953. Records available: 1939-53.

Feb. 2	3.39	June 2	3.93	Sept. 1	4.78	Dec. 1	4.37
Mar. 2	3.75	July 1	4.30	Nov. 3	4.83	29	4.25
Apr. 2	3.71	31	3.77				

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 0.09 below lsd, Sept. 7, 1951; lowest 4.33 below lsd, Sept. 30, 1953. Records available: 1939-53.

Feb. 2	3.12	July 1	3.61	Sept. 30	4.33	Dec. 1	3.69
Mar. 2	2.92	31	3.87	Nov. 3	3.99	29	3.45
Apr. 2	2.97	Sept. 1	4.22				

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: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	2.92	June 2	5.21	Sept. 1	3.74	Dec. 1	3.67
Mar. 2	2.81	July 1	3.52	30	3.97	29	3.37
Apr. 2	2.69	31	3.52	Nov. 3	3.91		

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 29.24 below lsd, Dec. 31, 1953. Records available: 1938-53.

Jan. 2	26.09	May 1	28.76	July 31	27.76	Nov. 3	28.78
Feb. 2	26.20	June 2	27.04	Sept. 1	28.17	Dec. 2	29.12
Mar. 3	26.05	July 2	27.40	Oct. 2	26.44	31	29.24
31	26.50						

1053-B. 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 16.29 below lsd, Dec. 31, 1953. Records available: 1950-53. Jan. 2, 14.38; Mar. 31, 13.47; July 2, 13.63; Oct. 2, 15.65; Dec. 31, 16.29.

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 19.28 below lsd, Dec. 31, 1953. Records available: 1950-53. Jan. 2, 17.30; Mar. 31, 17.82; July 2, 18.23; Oct. 2, 18.80; Dec. 31, 19.28.

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 15.88 below lsd, Dec. 31, 1953. Records available: 1950-53. Jan. 2, 13.15; Mar. 31, 13.79; July 2, 14.42; Oct. 2, 15.33; Dec. 31, 15.88.

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 17.04 below lsd, Apr. 17, 1950. Records available: 1950-53. Jan. 2, 13.68; Mar. 31, 14.57; July 2, 15.15; Oct. 2, 15.76; Dec. 31, 16.26.

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 21 feet. Highest water level 5.25 below lsd, Sept. 7, 1951; lowest 17.14 below lsd, Dec. 31, 1953. Records available: 1941-53.

Jan. 2	14.38	Apr. 30	14.00	July 31	15.80	Nov. 3	16.50
Feb. 2	14.59	June 2	15.25	Sept. 1	16.10	Dec. 1	16.92
Mar. 3	14.69	July 2	15.47	Oct. 2	16.39	31	17.14
31	14.87						

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 13.96 below lsd, Jan. 2, 1953. Records available: 1941-53.

Jan. 2	13.96	Apr. 30	11.70	July 31	12.34	Nov. 3	13.40
Feb. 2	11.12	June 2	11.32	Sept. 1	13.81	Dec. 1	13.52
Mar. 3	11.28	July 2	12.15	Oct. 2	13.23	31	13.58
31	11.37						

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 22.20 below lsd, Dec. 31, 1953. Records available: 1941-46, 1949-53. Jan. 2, 18.60; Mar. 31, 19.44; July 2, 20.68; Oct. 2, 21.86; Dec. 31, 22.20.

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 24.87 below lsd, Dec. 31, 1953. Records available: 1950-53.

Jan. 2	21.25	Apr. 30	22.80	July 31	23.55	Nov. 3	24.41
Feb. 2	21.50	June 2	23.10	Sept. 1	23.85	Dec. 2	24.63
Mar. 3	21.68	July 2	23.28	Oct. 2	24.12	31	24.87

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 16.37 below lsd, Oct. 1, 1953. Records available: 1950-53. Jan. 2, 15.12; Mar. 31, 14.62; July 2, 14.48; Oct. 1, 16.37; Dec. 31, 15.88.

1193. J. W. McElwain. SE¼NE¼NE¼ sec. 24, T. 23 S., R. 3 W. Driven stock and 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: 1950-53. Jan. 2, 7.65; Mar. 31, 7.71; July 2, 8.10; Oct. 2, 8.52; Dec. 31, 8.66.

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 37.78 below lsd, Dec. 31, 1953. Records available: 1941-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	37.22	May 1	37.45	July 31	37.62	Nov. 3	37.68
Feb. 2	37.25	June 2	37.45	Sept. 1	37.60	Dec. 2	37.75
Mar. 3	37.29	July 2	37.48	Oct. 2	37.65	31	37.78
31	37.36						

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 21.29 below lsd, Dec. 31, 1953. Records available: 1950-53.

Jan. 2	18.15	Apr. 30	19.06	July 31	19.60	Nov. 3	20.66
Feb. 2	18.42	June 2	19.08	Sept. 1	19.95	Dec. 1	21.00
Mar. 3	18.56	July 2	19.35	Oct. 2	19.29	31	21.29
31	18.80						

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 19.63 below lsd, Dec. 31, 1953. Records available: 1944-46, 1949-53. Jan. 2, 15.63; Mar. 31, 16.15; July 2, 17.25; Oct. 2, 18.94; Dec. 31, 19.63.

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 21.13 below lsd, Feb. 29, 1952; lowest 26.89 below lsd, Dec. 2, 1953. Records available: 1951-53.

Jan. 2	24.91	May 2	25.01	July 31	25.72	Nov. 3	26.20
Feb. 2	24.36	June 2	25.37	Sept. 1	26.05	Dec. 2	26.89
Mar. 3	24.23	July 2	25.22	Oct. 2	26.54	31	26.48
31	24.70						

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 7.25 below lsd, Nov. 3, 1953. Records available: 1950-53.

Jan. 2	5.49	Apr. 30	6.00	July 31	6.30	Nov. 3	7.25
Feb. 2	5.65	June 2	5.95	Sept. 1	6.35	Dec. 2	7.14
Mar. 3	5.72	July 2	6.15	Oct. 2	6.81	31	7.18
31	5.80						

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 7.74 below lsd, Dec. 31, 1953. Records available: 1950-53. Jan. 2, 6.38; Mar. 31, 6.36; Sept. 2, 6.80; Oct. 2, 7.38; Dec. 31, 7.74.

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 41.32 below lsd, Jan. 3, 1952; lowest 50.00 below lsd, Oct. 1, 1953. Records available: 1951-53.

Jan. 2	48.70	May 2	43.38	July 31	46.38	Nov. 3	45.12
Feb. 2	46.73	June 2	44.12	Sept. 1	48.35	Dec. 2	46.25
Mar. 3	42.98	July 2	45.76	Oct. 1	50.00	31	48.83
31	46.90						

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 16.52 below lsd, Dec. 31, 1953. Records available: 1950-53.

Jan. 2	14.46	May 1	15.14	July 31	15.60	Nov. 3	16.22
Feb. 2	14.68	June 2	15.27	Sept. 1	15.89	Dec. 2	16.39
Mar. 3	14.38	July 2	15.45	Oct. 2	16.02	31	16.52
31	14.95						

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 24 feet. Highest water level 13.03 below lsd, Nov. 7, 1951; lowest 24.05 below lsd, Mar. 3, 1953. Records available: 1950-53.

3032--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	18.04	Apr. 30	18.96	July 31	19.74	Nov. 3	20.73
Feb. 2	18.26	June 2	19.20	Sept. 1	20.08	Dec. 1	21.01
Mar. 3	24.05	July 2	18.58	Oct. 2	20.31	31	21.25
31	18.73						

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 21.76 below lsd, Dec. 31, 1953. Records available: 1950-53.

Jan. 2	19.53	May 1	20.02	July 31	20.87	Nov. 3	21.55
Feb. 2	19.60	June 2	20.34	Sept. 1	21.50	Dec. 2	21.63
Mar. 3	19.30	July 2	20.50	Oct. 2	21.70	31	21.76
31	20.01						

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: 1950-53. Jan. 2, 12.82; Mar. 31, 3.70; July 2, 7.08; Oct. 2, 8.80; Dec. 31, 10.01.

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 21.37 below lsd, Dec. 31, 1953. Records available: 1950-53.

Jan. 2	19.05	May 1	19.97	July 31	20.48	Nov. 3	20.97
Feb. 2	19.38	June 2	20.17	Sept. 1	20.68	Dec. 2	21.33
Mar. 3	19.24	July 2	20.28	Oct. 2	20.86	31	21.37
31	19.75						

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 38.38 below lsd, Jan. 2, 1951; lowest 47.81 below lsd, Oct. 2, 1953. Records available: 1950-53.

Jan. 2	45.34	May 1	43.96	July 31	45.80	Nov. 3	45.74
Feb. 2	44.03	June 2	43.61	Sept. 1	46.47	Dec. 2	46.35
Mar. 3	42.34	July 2	44.18	Oct. 2	47.81	31	47.19
31	44.49						

3038. Sally McFarland and others. SE¼SW¼SW¼ sec. 33, T. 23 S., R. 2 W. Drilled observation water-table well in McPherson formation, diameter 1½ inches, depth 70 feet. Highest water level 36.04 below lsd, Jan. 3, 1951; lowest 46.85 below lsd, Oct. 2, 1953. Records available: 1950-53. Jan. 2, 44.43; Mar. 31, 43.82; July 2, 43.12; Oct. 2, 46.85; Dec. 31, 45.40.

3039. George Lehman. SW¼SE¼ sec. 34, T. 23 S., R. 2 W. Drilled observation water-table well in McPherson formation, diameter 1¼ inches, depth 30 feet. Highest water level 0.1 above lsd, Sept. 7, 1951; lowest 17.52 below lsd, May 4, 1950. Records available: 1950-53.

Jan. 2	6.59	May 1	7.76	July 31	8.50	Nov. 3	9.28
Feb. 2	6.94	June 2	7.97	Sept. 1	8.74	Dec. 2	9.48
Mar. 3	7.26	July 2	8.20	Oct. 2	9.01	31	9.71

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 106.0 below lsd, June 1, July 1, 1953. Records available: 1939-53.

Feb. 2	96.0	May 1	33.5	July 31	104.0	Nov. 2	99.0
Mar. 2	34.0	June 1	106.0	Sept. 1	104.0	Dec. 1	105.0
Apr. 1	105.0	July 1	106.0	Oct. 1	103.0	31	105.0

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 42.36 below lsd, June 30, 1950. Records available: 1939-53.

Feb. 2	31.62	May 1	30.09	July 31	39.68	Nov. 2	35.14
Mar. 2	29.96	June 1	40.49	Sept. 1	39.76	Dec. 1	41.48
Apr. 1	39.20	July 1	38.84	Oct. 1	40.39	31	40.47

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 39.80 below lsd, June 30, 1950. Records available: 1939-53.

M-1b--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	29.93	May 1	28.97	July 31	37.48	Nov. 2	33.13
Mar. 2	28.88	June 1	38.25	Sept. 1	37.44	Dec. 1	39.26
Apr. 1	36.76	July 1	36.40	Oct. 1	38.14	31	38.70

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 155.00 below lsd, Sept. 2, 1949. Records available: 1939-53.

Feb. 2	125.0	May 1	41.0	July 31	136.0	Nov. 2	44.0
Mar. 2	133.0	June 1	133.0	Sept. 1	46.5	Dec. 2	48.5
Apr. 1	46.0	July 1	44.0	Oct. 1	49.0	31	48.5

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 41.68 below lsd, Dec. 1, 1953. Records available: 1939-53.

Feb. 2	33.95	May 1	32.30	July 31	41.26	Nov. 2	36.11
Mar. 2	33.57	June 1	40.69	Sept. 1	38.97	Dec. 1	41.68
Apr. 1	38.27	July 1	37.80	Oct. 1	40.59	31	38.58

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 45.89 below lsd, Dec. 1, 1953. Records available: 1939-53.

Feb. 2	37.63	May 1	37.49	July 31	44.10	Nov. 2	42.00
Mar. 2	36.55	June 1	40.62	Sept. 1	40.72	Dec. 1	45.89
Apr. 1	42.62	July 1	39.30	Oct. 1	43.45	31	42.75

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 41.32 below lsd, June 30, 1950. Records available: 1946-53.

Feb. 2	37.63	June 1	38.51	Oct. 1	39.37	Dec. 1	40.55
Mar. 2	36.60	July 1	36.77	Nov. 2	37.88	31	38.48
Apr. 1	36.83	Sept. 1	39.36				

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 122.0 below lsd, Dec. 31, 1953. Records available: 1939-53.

Feb. 2	110.0	May 1	44.0	July 31	48.0	Nov. 2	46.5
Mar. 2	44.0	June 1	44.0	Sept. 1	120.0	Dec. 1	49.0
Apr. 1	103.0	July 1	117.0	Oct. 1	117.5	Dec. 31	122.0

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 48.67 below lsd, Oct. 1, 1953. Records available: 1939-53.

Feb. 2	43.26	May 1	39.69	July 31	44.12	Nov. 2	43.14
Mar. 2	37.96	June 1	39.44	Sept. 1	44.85	Dec. 1	45.61
Apr. 1	42.02	July 1	42.39	Oct. 1	48.67	31	47.80

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 52.42 below lsd, Oct. 1, 1951. Records available: 1939-53.

Feb. 2	46.79	May 1	43.68	July 31	47.75	Nov. 2	47.34
Mar. 2	41.43	June 1	42.87	Sept. 1	48.03	Dec. 1	49.75
Apr. 1	47.33	July 1	45.90	Oct. 1	52.37	31	51.35

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 97.5 below lsd, Dec. 1, 1953. Records available: 1939-53.

Feb. 2	44.0	May 1	45.5	July 31	94.0	Nov. 2	93.0
Mar. 2	43.0	June 1	43.5	Sept. 1	45.0	Dec. 1	97.5
Apr. 1	45.0	July 1	43.0	Oct. 1	50.5	31	49.0

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 51.93 below lsd, Oct. 3, 1948. Records available: 1939-53.

M-4a--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	41.82	May 1	42.32	July 31	49.16	Nov. 2	48.50
Mar. 2	40.29	June 1	42.67	Sept. 1	43.79	Dec. 1	51.20
Apr. 1	42.80	July 1	41.80	Oct. 1	47.70	31	47.04

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 50.76 below lsd, Dec. 1, 1953. Records available: 1939-53.

Feb. 2	42.10	May 1	42.70	July 31	47.78	Nov. 2	48.30
Mar. 2	40.70	June 1	42.80	Sept. 1	43.89	Dec. 1	50.76
Apr. 1	43.22	July 1	42.74	Oct. 1	47.68	31	47.20

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 138.0 below lsd, Dec. 31, 1953. Records available: 1939-53.

Feb. 2	38.0	May 1	134.0	July 31	48.5	Nov. 2	134.0
Mar. 2	38.0	June 1	36.0	Sept. 1	38.0	Dec. 1	136.0
Apr. 1	38.5	July 1	45.6	Oct. 1	131.5	31	138.0

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: 1939-53.

Feb. 2	34.57	May 1	36.18	July 31	36.25	Nov. 2	36.25
Mar. 2	34.89	June 1	35.34	Sept. 1	36.63	Dec. 1	36.54
Apr. 1	35.30	July 1	34.25	Oct. 1	37.64	31	35.81

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: 1939-53.

Feb. 2	34.41	May 1	35.90	July 31	35.88	Nov. 2	36.07
Mar. 2	34.79	June 1	35.50	Sept. 1	36.37	Dec. 1	36.15
Apr. 1	35.16	July 1	34.15	Oct. 1	37.25	31	35.57

M-6. City of Wichita. SW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled observation and 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: 1939-53.

Feb. 2	102.0	May 1	108.0	July 31	105.0	Nov. 2	39.0
Mar. 2	108.0	June 1	104.5	Sept. 1	105.0	Dec. 1	39.0
Apr. 1	103.0	July 1	37.0	Oct. 1	104.0	31	38.5

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 39.43 below lsd, Dec. 3, 1947. Records available: 1939-53.

Feb. 2	36.59	May 1	38.17	July 31	38.03	Nov. 2	37.96
Mar. 2	37.18	June 1	37.42	Sept. 1	38.71	Dec. 1	37.91
Apr. 1	37.40	July 1	36.08	Oct. 1	39.40	31	37.25

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: 1939-53.

Feb. 2	36.10	May 1	37.59	July 31	41.55	Nov. 2	37.49
Mar. 2	36.65	June 1	35.60	Sept. 1	38.16	Dec. 1	37.48
Apr. 1	36.98	July 1	35.73	Oct. 1	38.90	31	36.90

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 56.0 below lsd, Oct. 2, 1953. Records available: 1939-53.

Feb. 2	31.0	May 1	51.5	July 31	52.0	Nov. 2	55.0
Mar. 2	32.0	June 1	52.0	Sept. 1	54.0	Dec. 1	54.0
Apr. 1	52.0	July 1	52.0	Oct. 2	56.0	31	54.0

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 37.28 below lsd, Nov. 2, 1953. Records available: 1939-53.

M-7a--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	29.82	May 1	35.78	July 31	36.34	Nov. 2	37.28
Mar. 2	30.21	June 1	35.73	Sept. 1	36.55	Dec. 1	36.00
Apr. 1	34.75	July 1	36.70	Oct. 2	36.79	31	36.55

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 35.24 below lsd, Nov. 2, 1953. Records available: 1939-53.

Feb. 2	29.94	May 1	32.70	July 31	34.24	Nov. 2	35.24
Mar. 2	30.26	June 1	33.40	Sept. 1	34.75	Dec. 1	34.04
Apr. 1	32.53	July 1	33.70	Oct. 1	35.08	31	34.53

M-8. City of Wichita. SE¼NE¼ sec. 6, T. 24 S., R. 2 W. Drilled observation and 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 115.0 below lsd, Aug. 30, 1950. Records available: 1939-53.

Feb. 2	34.0	May 1	109.0	July 31	106.0	Nov. 2	107.0
Mar. 2	35.0	June 1	107.0	Sept. 1	108.0	Dec. 1	109.5
Apr. 1	107.0	July 1	107.0	Oct. 1	107.0	31	36.0

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: 1939-53.

Feb. 2	32.67	May 1	34.17	July 31	34.79	Nov. 2	35.76
Mar. 2	33.37	June 1	34.22	Sept. 1	35.17	Dec. 1	35.80
Apr. 1	33.70	July 1	33.48	Oct. 1	35.64	31	34.77

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 34.30 below lsd, Dec. 1, 1953. Records available: 1939-53.

Feb. 2	31.18	May 1	32.77	July 31	33.14	Nov. 2	34.27
Mar. 2	31.68	June 1	32.75	Sept. 1	33.75	Dec. 1	34.30
Apr. 1	32.35	July 1	32.80	Oct. 1	34.23	31	33.35

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 79.0 below lsd, Dec. 31, 1952, Mar. 2, 1953. Records available: 1939-53.

Feb. 2	32.5	May 1	78.0	July 31	34.0	Nov. 2	35.0
Mar. 2	79.0	June 1	33.0	Sept. 1	34.5	Dec. 1	77.0
Apr. 1	33.0	July 1	78.0	Oct. 1	35.0	31	34.5

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 34.51 below lsd, Dec. 1, 1953. Records available: 1939-53.

Feb. 2	30.84	May 1	32.68	July 31	32.55	Nov. 2	33.44
Mar. 2	31.41	June 1	32.05	Sept. 1	32.75	Dec. 1	34.51
Apr. 1	31.16	July 1	32.72	Oct. 1	33.30	31	33.35

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 32.84 below lsd, Dec. 1, 1953. Records available: 1939-53.

Feb. 2	29.55	May 1	30.15	July 31	31.28	Nov. 2	32.31
Mar. 2	29.77	June 1	30.70	Sept. 1	31.59	Dec. 1	32.84
Apr. 1	29.98	July 1	31.18	Oct. 1	31.99	31	32.27

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 94.0 below lsd, Dec. 31, 1952, Feb. 2, Oct. 1, Nov. 2, 1953. Records available: 1939-53.

Feb. 2	94.0	May 1	93.0	July 31	38.0	Nov. 2	94.0
Mar. 2	36.0	June 1	93.0	Sept. 1	93.5	Dec. 1	39.0
Apr. 1	35.0	July 1	36.0	Oct. 1	94.0	31	38.0

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: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	36.84	May 1	37.17	July 31	36.72	Nov. 2	38.14
Mar. 2	33.74	June 1	30.27	Sept. 1	41.42	Dec. 1	37.95
Apr. 1	31.75	July 1	33.80	Oct. 1	39.50	31	36.28

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 36.11 below lsd, Dec. 1, 1953. Records available: 1939-53.

Feb. 2	33.34	May 1	33.61	July 31	34.59	Nov. 2	35.00
Mar. 2	32.52	June 1	33.06	Sept. 1	34.94	Dec. 1	36.11
Apr. 1	32.34	July 1	33.40	Oct. 1	35.84	31	34.33

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: 1939-53.

Feb. 2	58.35	May 1	28.62	July 31	62.39	Nov. 2	61.88
Mar. 2	28.06	June 1	60.98	Sept. 1	63.03	Dec. 1	31.00
Apr. 1	59.46	July 1	30.55	Oct. 1	62.33	31	62.00

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 32.03 below lsd, Dec. 31, 1953. Records available: 1939-53.

Feb. 2	28.33	May 1	27.15	July 31	30.58	Nov. 2	32.00
Mar. 2	26.59	June 1	30.07	Sept. 1	31.24	Dec. 1	29.72
Apr. 1	28.60	July 1	28.76	Oct. 1	30.96	31	32.03

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 32.00 below lsd, Dec. 31, 1953. Records available: 1939-53.

Feb. 2	28.47	May 1	28.45	July 31	30.60	Nov. 2	31.50
Mar. 2	27.87	June 1	30.20	Sept. 1	31.25	Dec. 1	31.00
Apr. 1	29.05	July 1	29.96	Oct. 1	31.09	31	32.00

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 90.0 below lsd, Sept. 1, Nov. 2, Dec. 31, 1953. Records available: 1939-53.

Feb. 2	34.0	May 1	34.5	July 31	89.0	Nov. 2	90.0
Mar. 2	35.0	June 1	86.0	Sept. 1	90.0	Dec. 1	38.0
Apr. 1	86.0	July 1	87.5	Oct. 1	91.5	31	90.0

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 42.28 below lsd, Nov. 2, 1953. Records available: 1939-53.

Feb. 2	32.86	May 1	33.10	July 31	41.53	Nov. 2	42.28
Mar. 2	33.10	June 1	39.58	Sept. 1	40.64	Dec. 1	36.39
Apr. 1	40.18	July 1	41.98	Oct. 1	42.11	31	41.75

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 43.74 below lsd, Oct. 1, 1953. Records available: 1939-53.

Feb. 2	33.98	May 1	34.30	July 31	42.31	Nov. 2	43.03
Mar. 2	34.24	June 1	40.87	Sept. 1	42.90	Dec. 1	37.58
Apr. 1	40.84	July 1	42.15	Oct. 1	43.74	31	42.45

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 69.0 below lsd, Dec. 1, 1953. Records available: 1939-53.

Feb. 2	65.38	May 1	65.28	July 31	67.75	Nov. 2	68.0
Mar. 2	65.95	June 1	66.68	Sept. 1	32.23	Dec. 1	69.0
Apr. 1	66.14	July 1	67.43	Oct. 1	68.73	31	32.5

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 32.90 below lsd, Dec. 1, 1953. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	28.93	May 1	30.17	July 31	31.89	Nov. 2	32.78
Mar. 2	29.48	June 1	30.65	Sept. 1	31.34	Dec. 1	32.90
Apr. 1	29.97	July 1	31.58	Oct. 1	32.58	31	31.64

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 33.30 below lsd, Dec. 1, 1953. Records available: 1939-53.

Feb. 2	29.10	May 1	30.38	July 31	32.31	Nov. 2	33.04
Mar. 2	29.77	June 1	30.90	Sept. 1	32.49	Dec. 1	33.30
Apr. 1	30.12	July 1	31.88	Oct. 1	32.96	31	32.55

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: 1939-53.

Feb. 2	54.0	May 1	53.5	July 31	52.5	Nov. 2	53.0
Mar. 2	36.0	June 1	54.0	Sept. 1	53.0	Dec. 1	52.0
Apr. 1	32.0	July 1	53.0	Oct. 1	53.0	31	37.0

M-14a. City of Wichita. NW¼NW¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1½ inches, depth 50 feet, cased to 47. Highest water level 8.31 below lsd, Apr. 4, 1939; lowest 41.63 below lsd, Sept. 1, 1953. Records available: 1939-53.

Feb. 2	38.22	May 1	38.16	July 31	40.94	Nov. 2	41.19
Mar. 2	31.86	June 1	40.16	Sept. 1	41.63	Dec. 1	40.56
Apr. 1	31.62	July 1	40.65	Oct. 1	40.99	31	36.30

M-14b. City of Wichita. SW¼SW¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1½ inches, depth 57 feet. Highest water level 8.16 below lsd, May 13, 27, June 3, 1940; lowest 38.49 below lsd, Sept. 1, 1953. Records available: 1939-53.

Feb. 2	34.15	May 1	35.38	July 31	37.77	Nov. 2	38.15
Mar. 2	31.83	June 1	36.59	Sept. 1	38.49	Dec. 1	37.64
Apr. 1	31.77	July 1	37.40	Oct. 1	37.92	31	36.18

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 91.0 below lsd, Dec. 1, 1953. Records available: 1939-53.

Feb. 2	82.5	May 1	84.0	July 31	89.0	Nov. 2	88.5
Mar. 2	81.0	June 1	88.0	Sept. 1	89.0	Dec. 1	91.0
Apr. 1	34.0	July 1	90.0	Oct. 1	88.0	31	38.0

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 40.18 below lsd, Sept. 1, 1953. Records available: 1939-53.

Feb. 2	36.67	May 1	36.42	July 31	38.29	Nov. 2	39.05
Mar. 2	35.39	June 1	39.30	Sept. 1	40.18	Dec. 1	37.84
Apr. 1	31.97	July 1	37.60	Oct. 1	39.25	31	35.75

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 40.50 below lsd, Sept. 1, 1953. Records available: 1939-53.

Feb. 2	36.48	May 1	36.24	July 31	38.17	Nov. 2	38.96
Mar. 2	35.17	June 1	39.08	Sept. 1	40.50	Dec. 1	37.82
Apr. 1	32.94	July 1	37.17	Oct. 1	39.29	31	36.50

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 75.0 below lsd, Dec. 31, 1953. Records available: 1939-53.

Feb. 2	32.0	May 1	32.0	July 31	31.0	Nov. 2	74.0
Mar. 2	32.0	June 1	72.0	Sept. 1	73.0	Dec. 1	34.0
Apr. 1	32.0	July 1	33.0	Oct. 1	35.0	31	75.0

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 38.64 below lsd, Sept. 1, 1953. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	30.64	May 1	31.81	July 31	32.72	Nov. 2	38.21
Mar. 2	30.01	June 1	36.0	Sept. 1	38.64	Dec. 1	32.67
Apr. 1	30.30	July 1	32.35	Oct. 1	33.77	31	38.18

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 32.37 below lsd, Dec. 31, 1953. Records available: 1939-53.

Feb. 2	28.82	May 1	29.19	July 31	30.78	Nov. 2	32.09
Mar. 2	28.62	June 1	30.57	Sept. 1	31.90	Dec. 1	31.94
Apr. 1	29.04	July 1	30.30	Oct. 1	31.60	31	32.37

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 67.0 below lsd, Oct. 1, 1953. Records available: 1939-53.

Feb. 2	64.0	May 1	65.0	July 31	65.0	Nov. 2	27.5
Mar. 2	64.0	June 1	24.5	Sept. 1	66.5	Dec. 1	27.0
Apr. 1	65.0	July 1	55.5	Oct. 1	67.0	31	66.0

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 27.28 below lsd, Mar. 31, 1950. Records available: 1939-53.

Feb. 2	22.82	May 1	23.00	July 31	24.38	Nov. 2	25.25
Mar. 2	22.36	June 1	22.73	Sept. 1	24.76	Dec. 1	25.10
Apr. 1	22.82	July 1	23.68	Oct. 1	25.38	31	25.95

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 24.92 below lsd, Oct. 1, 1953. Records available: 1939-53.

Feb. 2	21.34	May 1	21.46	July 31	22.40	Nov. 2	23.83
Mar. 2	20.86	June 1	21.32	Sept. 1	23.17	Dec. 1	23.64
Apr. 1	21.35	July 1	22.08	Oct. 1	24.92	31	24.45

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: 1939-53.

Feb. 2	52.68	May 1	25.53	July 31	59.50	Nov. 2	67.5
Mar. 2	53.79	June 1	56.48	Sept. 1	67.5	Dec. 1	66.0
Apr. 1	24.85	July 2	58.84	Oct. 1	67.5	31	65.0

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 39.50 below lsd, Nov. 2, 1953. Records available: 1939-53

Feb. 2	33.83	May 1	24.24	July 31	36.35	Nov. 2	39.50
Mar. 2	35.00	June 1	35.72	Sept. 1	38.86	Dec. 1	39.41
Apr. 1	23.57	July 2	36.39	Oct. 1	39.27	31	39.40

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 32.78 below lsd, Sept. 1, 1953. Records available: 1939-53.

Feb. 2	27.60	May 1	23.56	July 31	30.39	Nov. 2	32.49
Mar. 2	28.70	June 1	30.65	Sept. 1	32.78	Dec. 1	32.41
Apr. 1	23.12	July 2	30.20	Oct. 1	32.18	31	32.43

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 50.22 below lsd, June 1, 1953. Records available: 1939-53.

Feb. 2	45.69	May 1	49.90	July 31	47.00	Nov. 2	47.0
Mar. 2	47.92	June 1	50.22	Sept. 1	42.00	Dec. 1	41.85
Apr. 1	25.00	July 2	47.20	Oct. 1	27.73	31	28.0

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 31.04 below lsd, Nov. 2, 1953. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	28.89	May 1	29.08	July 31	30.19	Nov. 2	31.04
Mar. 2	28.40	June 1	29.10	Sept. 1	30.51	Dec. 1	30.95
Apr. 1	26.52	July 2	29.98	Oct. 1	29.18	31	28.99

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 28.45 below lsd, Nov. 2, 1953. Records available: 1939-53.

Feb. 2	25.44	May 1	25.90	July 31	27.44	Nov. 2	28.45
Mar. 2	25.36	June 1	26.17	Sept. 1	27.77	Dec. 1	28.42
Apr. 1	25.40	July 2	25.98	Oct. 1	28.01	31	28.05

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 86.00 below lsd, Sept. 30, 1950, Dec. 1, 31, 1953. Records available: 1939-53.

Feb. 2	33.0	May 1	34.5	July 31	84.0	Nov. 2	84.5
Mar. 2	34.0	June 1	35.5	Sept. 1	84.0	Dec. 1	86.0
Apr. 1	84.0	July 1	85.0	Oct. 1	84.0	31	86.0

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 36.21 below lsd, Nov. 2, 1953. Records available: 1939-53.

Feb. 2	31.41	May 1	29.89	July 31	34.26	Nov. 2	36.21
Mar. 2	32.71	June 1	33.35	Sept. 1	35.44	Dec. 1	36.07
Apr. 1	33.21	July 1	34.40	Oct. 1	35.85	31	35.85

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 36.58 below lsd, Nov. 2, 1953. Records available: 1939-53.

Feb. 2	31.97	May 1	30.50	July 31	33.82	Nov. 2	36.58
Mar. 2	33.15	June 1	33.94	Sept. 1	35.65	Dec. 1	36.45
Apr. 1	33.50	July 1	34.74	Oct. 1	36.09	31	36.24

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 52.0 below lsd, Apr. 1, May 1, June 1, Sept. 1, Dec. 31, 1953. Records available: 1939-53.

Feb. 2	51.0	May 1	52.0	July 31	51.0	Nov. 2	51.5
Mar. 2	51.0	June 1	52.0	Sept. 1	52.0	Dec. 1	28.0
Apr. 1	52.0	July 2	50.0	Oct. 1	51.0	31	52.0

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: 1939-53.

Feb. 2	28.54	May 1	28.12	July 31	29.66	Nov. 2	28.86
Mar. 2	27.07	June 1	28.75	Sept. 1	30.01	Dec. 1	34.02
Apr. 1	28.07	July 2	29.58	Oct. 1	29.30	31	29.15

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 27.48 below lsd, Sept. 1, 1953. Records available: 1939-53.

Feb. 2	25.73	May 1	25.49	July 31	27.05	Nov. 2	27.00
Mar. 2	24.46	June 1	26.25	Sept. 1	27.48	Dec. 1	26.41
Apr. 1	25.30	July 2	26.97	Oct. 1	27.33	31	27.05

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 56.50 below lsd, Oct. 1, 1952. Records available: 1939-53.

Feb. 2	52.58	May 1	54.83	July 31	52.96	Nov. 2	50.68
Mar. 2	52.19	June 1	54.95	Sept. 1	52.20	Dec. 1	51.12
Apr. 1	25.61	July 2	54.40	Oct. 1	52.0	31	29.0

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 30.65 below lsd, Feb. 1, 1951, Oct. 1, Dec. 1, 1953. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	29.87	May 1	30.13	July 31	30.47	Nov. 2	30.28
Mar. 2	28.72	June 1	28.66	Sept. 1	30.46	Dec. 1	30.65
Apr. 1	24.40	July 2	30.60	Oct. 1	30.65	31	26.81

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 28.77 below lsd, Oct. 1, 1953. Records available: 1939-53.

Feb. 2	26.78	May 1	26.19	July 31	28.25	Nov. 2	28.13
Mar. 2	25.50	June 1	27.35	Sept. 1	28.53	Dec. 1	28.74
Apr. 1	25.40	July 2	28.16	Oct. 1	28.77	31	27.85

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: 1939-53.

Feb. 2	74.0	May 1	76.0	July 31	77.0	Nov. 2	77.0
Mar. 2	25.50	June 1	70.0	Sept. 1	78.0	Dec. 1	75.0
Apr. 1	76.0	July 2	77.0	Oct. 1	82.0	31	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 25.89 below lsd, Nov. 2, Dec. 31, 1953. Records available: 1939-53.

Feb. 2	22.49	May 1	23.57	July 31	24.88	Nov. 2	25.89
Mar. 2	22.24	June 1	24.05	Sept. 1	25.48	Dec. 1	25.85
Apr. 1	21.18	July 2	24.55	Oct. 1	25.80	31	25.89

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 24.82 below lsd, Dec. 31, 1953. Records available: 1939-53.

Feb. 2	21.33	May 1	21.58	July 31	23.74	Nov. 2	24.75
Mar. 2	21.37	June 1	23.18	Sept. 1	24.19	Dec. 1	24.75
Apr. 1	21.98	July 2	23.38	Oct. 1	24.57	31	24.82

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 58.0 below lsd, Oct. 1, 1953. Records available: 1939-53.

Feb. 2	56.0	May 1	24.5	Sept. 1	57.0	Dec. 1	28.0
Mar. 2	54.0	June 1	55.0	Oct. 1	58.0	31	27.0
Apr. 1	57.0	July 2	56.0	Nov. 2	57.0		

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 29.76 below lsd, Oct. 1, 1953. Records available: 1939-53.

Feb. 2	26.26	May 1	23.05	July 31	28.64	Nov. 2	29.60
Mar. 2	26.20	June 1	27.20	Sept. 1	29.63	Dec. 1	27.09
Apr. 1	26.67	July 2	28.16	Oct. 1	29.76	31	26.47

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 29.88 below lsd, Nov. 2, 1953. Records available: 1939-53.

Feb. 2	26.39	May 1	25.95	July 31	28.75	Nov. 2	29.88
Mar. 2	26.43	June 1	27.42	Sept. 1	29.75	Dec. 1	29.25
Apr. 1	26.74	July 2	28.20	Oct. 1	29.87	31	28.69

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: 1939-53.

Feb. 2	20.11	May 1	56.32	July 31	57.70	Nov. 2	23.40
Mar. 2	52.86	June 1	56.80	Sept. 1	58.74	Dec. 1	56.00
Apr. 1	57.20	July 2	57.00	Oct. 1	59.76	31	24.00

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 23.59 below lsd, Oct. 1, 1953. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	18.88	May 1	20.95	July 31	22.39	Nov. 2	22.50
Mar. 2	19.90	June 1	21.40	Sept. 1	23.17	Dec. 1	23.57
Apr. 1	20.56	July 2	21.95	Oct. 1	23.59	31	22.90

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 79.0 below lsd, Oct. 1, Dec. 31, 1953. Records available: 1949-53.

Feb. 2	22.0	May 1	74.0	July 31	76.0	Nov. 2	78.0
Mar. 2	75.0	June 1	72.0	Sept. 1	77.0	Dec. 1	78.0
Apr. 1	75.0	July 1	75.0	Oct. 1	79.0	31	79.0

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 27.18 below lsd, Dec. 31, 1953. Records available: 1949-53.

Feb. 2	22.88	May 1	23.93	July 31	25.52	Nov. 2	26.75
Mar. 2	24.11	June 1	24.45	Sept. 1	25.79	Dec. 1	26.85
Apr. 1	25.35	July 1	24.98	Oct. 1	26.33	31	27.18

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 24.80 below lsd, Dec. 31, 1953. Records available: 1947-53.

Feb. 2	19.88	May 1	21.48	July 31	23.10	Nov. 2	24.35
Mar. 2	20.77	June 1	22.00	Sept. 1	23.59	Dec. 1	24.50
Apr. 1	20.93	July 1	22.50	Oct. 1	23.93	31	24.80

Haskell County

7. Etta McCoy. NW¼NW¼ sec. 2, T. 30 S., R. 32 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 196 feet. Highest water level 186.73 below lsd, Aug. 11, 1952; lowest 191.20 below lsd, Feb. 21, 1951. Records available: 1941-53. Feb. 25, 186.80.

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: 1941-53. Jan. 12, 47.34; Feb. 25, 47.52; Mar. 11, 47.55; Apr. 9, 47.70; May 25, 47.73; Nov. 18, 47.08; Dec. 7, 47.15.

12. Sybol Smith. SW¼SW¼ sec. 11, T. 30 S., R. 32 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 198 feet. Highest water level 179.40 below lsd, Nov. 3, 1941; lowest 187.64 below lsd, Aug. 16, 1949. Records available: 1941-52. No measurement made in 1953.

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 34.77 below lsd, Sept. 20, 1940. Records available: 1940-53. Apr. 16, 29.57; July 22, 32.20; Oct. 21, 33.58.

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: 1940-53. Jan. 15, 23.23; Apr. 16, 23.55; July 22, 24.28; Oct. 21, 23.75.

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 1953.

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 5, 1948; lowest 7.22 below lsd, Oct. 14, 1948. Records available: 1948-52 No measurement made in 1953.

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 1953.

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 1953.

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 1953.

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. Mar. 17, 38.22; May 21, 39.13; Aug. 15, 40.05; Nov. 18, 40.19.

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: 1934-53. Mar. 17, 60.45; May 21, 63.40; Aug. 15, 64.45; Nov. 18, 64.45.

14. C. Walker. SE¼SE¼ sec. 24, T. 3 S., R. 9 W. Dug unused water-table well in Niobrara formation, diameter 42 inches, depth 54 feet, cribbed with rock. Highest water level 12.54 below lsd, July 24, 1951; lowest 46.69 below lsd, Mar. 20, 1934. Records available: 1934-44, 1946-53. Mar. 17, 20.55; May 21, 20.88; Aug. 15, 21.52; Nov. 18, 22.07.

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 25.63 below lsd, Aug. 10, 1934. Records available: 1934-53. Mar. 17, 11.77; May 21, 12.08.

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, 1946-53. Mar. 17, 14.11; May 21, 14.59; Aug. 15, 17.09; Nov. 18, 15.89.

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, 1946-53. Mar. 17, 11.76; May 21, 11.96; Aug. 15, 14.35; Nov. 18, 14.91.

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, 1946-53. Mar. 17, 9.93; May 21, 10.31; Aug. 15, 12.11; Nov. 18, 11.53.

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: 1934-53. Mar. 17, 18.18; May 21, 18.50; Aug. 15, 19.96; Nov. 18, 20.08.

46. Ralph Wierenga. Lot 3, sec. 19, T. 5 S., R. 9 W. Drilled unused water-table well in Carlile shale, diameter 7 inches, depth 29 feet. Highest water level 0.36 below lsd, June 24, 1947; lowest 17.54 below lsd, Aug. 30, 1934. Records available: 1934-44, 1946-53. Mar. 17, 4.34; May 21, 4.69; Aug. 15, 5.21. Measurement discontinued.

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, 1946-53. Mar. 17, 5.99; May 21, 6.45; Aug. 15, 7.51; Nov. 18, 8.18.

49. E. Underwood. SW¼NE¼ sec. 5, T. 3 S., R. 9 W. Drilled unused water-table well in Niobrara formation, diameter 12 inches, depth 58 feet. Highest water level 13.15 below lsd, June 24, 1947, May 12, 1951; lowest 46.83 below lsd, Nov. 24, 1934. Records available: 1934-44, 1946-52. Measurement discontinued.

64. Warren Morgan Co. SE¼SW¼ sec. 6, T. 3 S., R. 8 W. Drilled domestic and 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, 1946-53. Mar. 17, 55.04; May 21, 55.85; Aug. 15, 56.95; Nov. 18, 56.85.

65. Mrs. B. M. Parkhurst. SE¼SE¼ sec. 23, T. 3 S., R. 9 W. Dug domestic and 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: 1939-53. Mar. 17, 10.50; May 21, 10.84; Aug. 15, 12.48; Nov. 18, 12.90.

66. A. E. Cook Estate. SE¼NE¼ sec. 1, T. 5 S., R. 10 W. Drilled public-supply water-table well in shale, diameter 20 inches, depth 51 feet. Highest water level 8.27 below lsd, Feb. 5, 1950; lowest 27.55 below lsd, Oct. 23, 1940. Records available: 1937-44, 1946-51. Measurement discontinued.

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, 1946-53. Mar. 17, 9.85; May 21, 10.48; Aug. 15, 11.40; Nov. 18, 12.44.

1-6-5da. U. S. Geol. Survey. Drilled observation well, diameter 1¼ inches, depth 13 feet. Highest water level 3.80 below lsd, June 20, 1949; lowest 9.90 below lsd, Dec. 21, 1948. Records available: 1947-49, 1952. No measurement made in 1953.

1-6-5dd. U. S. Geol. Survey. Drilled observation well, diameter 1¼ inches. Highest water level 9.19 below lsd, Aug. 19, 1948; lowest 31.00 below lsd, Oct. 2, 1947. Records available: 1947-50, 1952. No measurement made in 1953.

1-7-1bb. U. S. Geol. Survey. Driven observation well, diameter 1¼ inches, depth 16 feet. Highest water level 7.18 below lsd, May 1, 1952; lowest 11.44 below lsd, Dec. 28, 1949. Records available: 1947-50, 1952. No measurement made in 1953.

1-7-2da. U. S. Geol. Survey. Driven observation well, diameter 1¼ inches, depth 13 feet. Highest water level 1.57 below lsd, June 20, 1949; lowest 8.00 below lsd, Dec. 21, 1948. Records available: 1947-50, 1952. No measurement made in 1953.

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. No measurement made in 1953.

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. No measurement made in 1953.

Kearny County

13. D. S. Nicholson. NW¼NW¼ sec. 15, T. 25 S., R. 37 W. Dug irrigation water-table well in alluvium, diameter 30 inches, depth 16 feet, steel casing. Highest water level 1.47 below lsd, May 9, 1942; lowest 8.93 below lsd, Dec. 20, 1939. Records available: 1939-53. Jan. 23, 7.25; Feb. 18, 7.42; Mar. 27, 6.15; Apr. 24, 6.94. Measurement discontinued.

13a. Replaces 13. Kearny County. SW¼SW¼ sec. 15, T. 25 S., R. 37 W. Driven and drilled observation well, depth 14 feet. Records available: 1953. Nov. 12, 8.25.

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 47.81 below lsd, July 3, 1941. Records available: 1939-53. Feb. 18, 31.53; May 21, 33.52; Aug. 19, 35.63; Nov. 12, 37.69.

19. E. M. Beymer. NE¼NW¼ sec. 8, T. 26 S., R. 38 W. Drilled unused water-table well in Ogallala formation, depth 152 feet. Highest water level 128.74 below lsd, May 21, 1953; lowest 134.67 below lsd, Nov. 15, 1945. Records available: 1939-53. Feb. 18, 128.83; May 21, 128.74; Aug. 19, 129.06; Nov. 12, 129.00.

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, 1946-53. Feb. 18, 174.15; May 21, 174.44; Aug. 19, 174.72; Nov. 12, 174.73.

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 123.85 below lsd, Feb. 19, Oct. 22, 1940. Records available: 1939-53. Feb. 18, 114.40; May 21, 113.60; Aug. 19, 114.91; Nov. 12, 114.77.

Kingman County

1. A. A. Mueller. SE¼SW¼SW¼ sec. 1, T. 30 S., R. 8 W. Drilled unused well, diameter 6 inches, depth 57 feet. Highest water level 11.27 below lsd, Mar. 31, 1948; lowest 15.25 below lsd, Nov. 12, 1946. Records available: 1945-50. Measurement discontinued.

2. L. A. Brammer. SE¼SE¼SW¼ sec. 3, T. 30 S., R. 6 W. Dug unused well, diameter 4 feet, depth 18 feet. Highest water level 7.69 below lsd, Jan. 9, 1946; lowest 13.80 below lsd, Nov. 20, 1946. Records available: 1945-50. Measurement discontinued.

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: 1945-53. Mar. 24, 55.68; June 30, 55.71; Sept. 1, 55.58; Dec. 10, 55.76.

6. Jane Garrett. NE¼NW¼NE¼ sec. 3, T. 29 S., R. 6 W. Drilled unused well, diameter 6 inches, depth 64 feet. Highest water level 25.64 below lsd, Oct. 3, 1949; lowest 32.68 below lsd, Aug. 29, 1946. Records available: 1945-50. Measurement discontinued.

7. S. Schrag. SW¼SE¼SW¼ sec. 5, T. 27 S., R. 5 W. Drilled unused well, diameter 6 inches, depth 57 feet. Highest water level 42.91 below lsd, Oct. 3, 1949; lowest 48.73 below lsd, Sept. 25, 1948. Records available: 1945-50. Measurement discontinued.

8. John McClure. NW¼NE¼ sec. 10, T. 27 S., R. 7 W. Drilled unused well, diameter 5 inches, depth 13 feet. Highest water level 5.05 below lsd, Oct. 3, 1949; lowest 8.32 below lsd, Sept. 30, 1946. Records available: 1945-50. Measurement discontinued.

11. S. Bolinger. SE¼SW¼SW¼ sec. 12, T. 28 S., R. 5 W. Drilled unused well, diameter 6 inches, depth 32 feet. Highest water level 5.96 below lsd, Oct. 3, 1949; lowest 13.75 below lsd, July 13, 1946. Records available: 1945-50. Measurement discontinued.

Kiowa County

4. H. E. Davis. SE¼NE¼ sec. 4, T. 28 S., R. 16 W. Drilled domestic and 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: 1940-53. Mar. 24, 64.25; June 30, 64.19; Sept. 1, 63.99; Dec. 10, 64.19.

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: 1940-53. Mar. 24, 14.44; June 30, 14.70; Sept. 1, 14.94; Dec. 10, 15.20.

10. J. E. Ely. SW¼NW¼ sec. 23, T. 30 S., R. 18 W. Drilled unused water-table well in Kiowa shale, diameter 6 inches, depth 154 feet. Highest water level 104.67 below lsd, Sept. 18, 1945; lowest 120.18 below lsd, June 23, 1948. Records available: 1940-52. Measurement discontinued.

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, 1944-53. Mar. 24, 27.66; June 30, 28.10; Sept. 1, 28.34; Dec. 10, 28.70.

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 15.49 below lsd, Oct. 16, 1946. Records available: 1942-52. No measurement made in 1953.

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 13.68 below lsd, Nov. 17, 1953. Records available: 1942-53.

2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	12.98	Apr. 1	12.39	July 1	11.29	Oct. 1	12.58
16	13.01	17	12.47	16	11.68	16	12.60
Feb. 1	13.12	May 1	10.16	Aug. 2	11.80	Nov. 2	13.67
16	13.19	16	10.29	16	11.89	17	13.68
Mar. 2	13.11	June 1	10.23	Sept. 1	12.50	Dec. 1	13.65
16	12.16	16	11.01	16	12.52	16	13.70

3. B. H. Foster. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 34, T. 31 S., R. 21 E. Driven unused water-table well in valley alluvium, diameter $1\frac{1}{4}$ inches, depth 23 feet. Highest water level 0.18 below lsd, Dec. 16, 1951; lowest 11.52 below lsd, Sept. 16, 1946. Records available: 1942-53. Mar. 16, 8.97; May 1, 8.11; May 16, 8.93.

4. Roy Schierenberg. $SE\frac{1}{4}SW\frac{1}{4}$ sec. 3, T. 32 S., R. 21 E. Driven unused water-table well in valley alluvium, diameter $1\frac{1}{4}$ inches, depth 17 feet. Highest water level 4.19 below lsd, Nov. 1, Dec. 16, 1951; lowest 14.77 below lsd, Oct. 16, 1946. Records available: 1942-53.

Jan. 1	11.95	Apr. 1	12.36	July 1	11.74	Oct. 1	12.51
16	11.97	17	12.53	16	11.80	16	12.61
Feb. 1	11.98	May 1	11.95	Aug. 2	11.95	Nov. 2	12.58
16	11.97	16	11.98	16	11.98	17	12.60
Mar. 2	11.96	June 1	11.78	Sept. 1	12.39	Dec. 1	12.56
16	12.07	16	11.46	16	12.41	16	13.00

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: 1950-53. Feb. 10, 84.55; Apr. 13, 84.63; June 24, 84.35; Aug. 6, 84.48; Oct. 13, 84.47; Dec. 16, 84.58.

18-27-13ccc. C. H. Merriweather. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 95 feet. Highest water level 86.41 below lsd, June 24, 1953; lowest 88.50 below lsd, June 18, 1951. Records available: 1950-53. Feb. 10, 87.84; Apr. 13, 86.86; June 24, 86.41; Aug. 6, 86.56; Oct. 13, 86.59; Dec. 16, 86.64.

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: 1950-53. Feb. 10, 54.30; Apr. 13, 54.35; June 24, 54.55; Aug. 6, 54.47; Dec. 16, 54.65.

18-29-13bcb. Lane County Airport Association. Drilled observation water-table well in Ogallala formation, diameter 6 inches, depth 65 feet. Highest water level 54.33 below lsd, Oct. 13, 1953; lowest 57.19 below lsd, Apr. 23, 1951. Records available: 1950-53. Oct. 13, 54.33.

19-30-3daa. John Kees. Dug unused water-table well in Ogallala formation, diameter 4 feet, depth 73 feet. Highest water level 66.17 below lsd, Dec. 16, 1953; lowest 69.52 below lsd, June 26, 1950. Records available: 1950-53. Feb. 10, 66.88; Apr. 13, 66.75; June 24, 66.60; Aug. 6, 66.53; Oct. 13, 66.49; Dec. 16, 66.17.

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 1953.

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 1953.

Lincoln County

11-7-32dc. Lincoln Golf Club. Drilled unused water-table well in Dakota formation, diameter 6 inches, depth 97 feet. Highest water level 57.96 below lsd, July 25, 1951; lowest 74.67 below lsd, Sept. 8, 1947. Records available: 1947-53. Mar. 25, 74.00.

12-6-12cd. Harry W. Woody. Dug unused water-table well in alluvium, diameter 4 feet, depth 27 feet, cribbed with rock. Highest water level 11.64 below lsd, Aug. 9, 1948; lowest 15.52 below lsd, Jan. 12, 1948. Records available: 1947-51. Measurement discontinued.

12-6-16cc. O. Anderson. Dug observation water-table well in alluvium, diameter 4 feet, depth 25 feet, cribbed with rock. Highest water level 6.52 below lsd, July 25, 1951; lowest 24.87 below lsd, Nov. 28, 1947. Records available: 1947-52. Measurement discontinued.

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 23.55 below lsd, May 26, 1950. Records available: 1947-53. Mar. 25, 20.20.

12-7-19dd. H. R. Behern. Dug stock and 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 13.18 below lsd, Jan. 12, 1948. Records available: 1947-53. Mar. 25, 9.90.

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 13.43 below lsd, Jan. 12, 1948. Records available: 1947-53. Mar. 25, 8.22.

12-7-34ad. A. Rittman. Dug observation water-table well in Dakota formation, 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: 1947-53. Mar. 25, 47.91.

12-8-6aa. Darrell Dean. Drilled domestic and observation water-table well in alluvium, diameter 3 inches, depth 19 feet. Highest water level 5.09 below lsd, May 11, 1951; lowest 10.53 below lsd, Sept. 8, 1947. Records available: 1947-53. Mar. 25, 6.52.

12-8-8cd. S. C. Meredith. Dug observation water-table well in Dakota formation, diameter 4 feet, depth 35 feet, cribbed with rock. Highest water level 2.29 below lsd, July 25, 1951; lowest 14.30 below lsd, Jan. 12, 1948. Records available: 1947-53. Mar. 25, 4.85.

12-8-11cb. Jim and Ed Herby. Dug domestic and 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 19.94 below lsd, Mar. 25, 1953. Records available: 1947-53. Mar. 25, 19.94.

12-9-10ad. Harry Cromwell. Drilled observation water-table well in alluvium, diameter 6 inches, depth 31 feet. Highest water level 6.41 below lsd, Oct. 22, 1951; lowest 20.26 below lsd, Jan. 12, Apr. 6, 1948. Records available: 1947-52. No measurement made in 1953.

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: 1947-53. Mar. 25, 13.77.

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 24.48 below lsd, Jan. 12, 1948. Records available: 1947-53. Mar. 25, 18.30.

12-10-21dd. F. D. Meyer. Dug domestic and 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: 1947-53. Mar. 25, 24.60.

Linn County

19-24-36aa. Mr. Newby. Dug unused water-table well in Swope limestone, 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 1953.

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 1953.

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 1953.

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: 1942-53. Jan. 21, 96.49; Apr. 21, 96.25; July 8, 96.50; Oct. 13, 96.86.

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 123.21 below lsd, Aug. 11, 1952; lowest 126.63 below lsd, Jan. 6, 1953. Records available: 1952-53. Aug. 11, 1952, 126.21; Jan. 6, 1953, 126.63; May 12, 126.51; Aug. 18, 126.46; Nov. 24, 126.42.

12-37-27aa. J. E. Bertrand. NE¼NE¼ sec. 27, T. 12 S., R. 37 W. Drilled unused observation well in colluvium, diameter 5 inches, depth 53 feet. Highest water level 43.53 below lsd, Jan. 6, 1953; lowest 43.83 below lsd, Nov. 24, 1953. Records available: 1952-53. Aug. 11, 1952, 43.56; Jan. 6, 1953, 43.53; May 12, 43.61; Aug. 18, 43.76; Nov. 24, 43.83.

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 26.97 below lsd, July 23, 1953. Records available: 1946-53. Jan. 10, 26.65; Mar. 13, 25.89; July 23, 26.97.

17-3-18dd. U. S. Geol. Survey. Drilled observation water-table well in alluvium, diameter 1¼ inches, depth 53 feet. Highest water level 17.25 below lsd, Oct. 1, 1951; lowest 28.40 below lsd, Jan. 6, 1948. Records available: 1946-53. Jan. 10, 25.97; Mar. 13, 26.41; July 23, 27.02.

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 31.36 below lsd, Jan. 6, 1948. Records available: 1946-53. Jan. 10, 29.59; Mar. 13, 29.76; July 23, 30.53.

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 26.15 below lsd, Nov. 20, 1950. Records available: 1946-53. Mar. 13, 23.46; July 23, 24.26.

Meade County

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 5.59 below lsd, Sept. 3, 1952. Records available: 1939-53. Mar. 19, 2.58; June 4, 2.89; Sept. 9, 5.49; Dec. 29, 2.99.

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 56.36 below lsd, Dec. 29, 1953; lowest 60.77 below lsd, May 17, 1940. Records available: 1939-53. Mar. 19, 56.59; June 4, 56.45; Sept. 9, 56.38; Dec. 29, 56.36.

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 20.10 below lsd, Aug. 29, 1953. Records available: 1939-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	13.78	13.28	13.72	15.92	.....	.....	17.02	19.40	15.48	.....	.....
2	13.17	13.72	13.25	14.02	16.17	.....	.....	16.80	19.40	15.61	.....	.....
3	13.13	13.62	13.27	.....	16.17	.....	.....	16.20	19.38	15.61	.....	.....
4	13.09	13.52	13.25	.....	16.18	.....	.....	.....	18.20	15.61	.....	.....
5	13.08	13.42	13.22	.....	16.60	16.33	.....	.....	17.40	15.30	.....	13.36
6	13.06	13.36	.....	.....	17.23	16.20	.....	.....	16.80	15.30	.....	13.38
7	13.05	13.38	.....	.....	17.08	15.82	.....	.....	16.40	15.42	.....	13.38
8	13.08	13.37	.....	.....	17.11	15.46	.....	15.62	16.00	15.70	.....	13.38
9	13.12	13.36	.....	.....	17.32	15.20	.....	15.34	15.70	16.06	.....	13.38
10	13.12	13.36	.....	.....	17.32	15.18	.....	15.54	15.44	16.33	.....	13.37
11	13.12	13.30	.....	.....	17.10	15.32	.....	16.32	15.36	16.33	.....	.....
12	13.09	13.26	.....	.....	17.10	15.40	.....	16.76	15.44	16.27	.....	.....
13	13.06	13.25	.....	.....	17.44	15.62	.....	16.76	15.46	16.28	.....	.....
14	13.06	13.22	.....	.....	18.58	15.73	.....	16.80	15.42	16.26	13.73	.....
15	13.15	13.22	.....	.....	18.66	15.70	.....	16.80	15.32	16.04	13.71	.....
16	13.15	13.19	.....	.....	18.26	16.38	.....	16.78	15.30	15.56	13.70	.....
17	13.11	13.19	.....	.....	17.36	17.56	19.32	16.42	15.18	15.26	13.68	.....
18	13.06	13.16	.....	.....	.....	18.38	19.60	16.72	15.06	15.02	13.64	.....
19	13.08	13.11	.....	.....	.....	18.78	19.60	17.27	14.78	14.86	13.63	.....
20	13.10	13.18	13.18	.....	.....	.....	18.86	17.38	14.70	14.70	13.56	.....

234--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	13.07	13.18	13.22	.....	.....	.....	.....	17.38	14.70	14.52	13.57	.....
22	13.09	13.16	13.26	.....	.....	.....	.....	17.78	14.80	14.48	13.56	.....
23	13.11	13.13	13.26	.....	.....	.....	.....	17.78	15.16	14.42	13.54	.....
24	13.13	13.11	13.26	16.56	.....	.....	17.62	.....	15.46	.....	13.54	.....
25	13.12	13.11	13.24	16.60	17.14	.....	17.32	.....	15.45	.....	13.55	13.46
26	13.09	13.20	13.22	16.02	17.46	18.88	16.78	.....	15.46	.....	13.54	13.46
27	13.14	13.32	13.20	15.56	17.16	18.94	16.32	.....	15.47	.....	.....	13.42
28	13.17	13.32	13.18	15.11	.....	18.96	15.96	.....	15.44	.....	.....	13.41
29	13.39		13.20	.....	.....	18.28	16.04	20.10	15.52	.....	.....	13.41
30	13.68		13.27	.....	.....	18.28	16.62	20.00	15.52	.....	.....	13.46
31	13.74		13.42		.....		17.00	19.00		.....		13.44

Mitchell County

6-8-34ccc. R. L. Metcalf. Dug domestic and 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: 1946-53. Mar. 17, 16.82; May 20, 16.83; Nov. 2, 17.04.

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: 1935-53. Mar. 17, 22.30; May 20, 22.35; Nov. 2, 23.83.

6-9-30da. M. D. Vint. Drilled domestic and stock well in alluvium, diameter 6 inches, depth 37 feet. Highest water level 17.90 below lsd, July 25, 1951; lowest 29.30 below lsd, Nov. 29, 1948. Records available: 1946-53. Mar. 17, 27.19; May 20, 27.55; Nov. 2, 28.82.

7-6-30bcc. Dan F. Gise. Dug domestic and stock water-table well in alluvium, diameter 4 feet, depth 35 feet. Highest water level 6.63 below lsd, July 25, 1951; lowest 30.40 below lsd, Feb. 7, 1950. Records available: 1946-52. No measurement made in 1953.

7-6-34cba. Thelma Spicker. Drilled stock and 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: 1946-53. Mar. 18, 26.31; May 20, 26.62; Nov. 2, 27.91.

7-7-7aaa. A. McDysan. Drilled domestic and 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: 1946-53. Mar. 17, 25.27; May 20, 25.53; Nov. 2, 26.51.

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 22.90 below lsd, May 27, 1948. Records available: 1946-53. Mar. 18, 17.97; May 20, 18.21; Nov. 2, 20.09.

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 29.18 below lsd, Nov. 29, 1948. Records available: 1946-53. Mar. 17, 26.54; May 20, 27.09; Nov. 2, 28.37.

7-9-2bcc. F. Day. Drilled domestic and stock water-table well in alluvium, diameter 12 inches, depth 46 feet, tile casing. Highest water level 8.97 below lsd, July 25, 1951; lowest 33.10 below lsd, June 3, 1950. Records available: 1946-52. Measurement discontinued.

7-10-10ccc. J. P. Kaster. Drilled stock and observation water-table well, diameter 12 inches, depth 41 feet, tile casing. Highest water level 21.55 below lsd, July 25, 1951; lowest 26.84 below lsd, Oct. 14, 1946. Records available: 1946-53. Mar. 17, 24.25. Measurement discontinued.

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. May 26, 70.20; Aug. 11, 70.49; Nov. 19, 70.48.

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 54.15 below lsd, Mar. 13, 1941. Records available: 1939-53. Feb. 26, 51.16; May 26, 51.27; Aug. 11, 51.30; Nov. 19, 50.46.

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 156.93 below lsd, May 20, 1952; lowest 166.54 below lsd, May 25, 1948. Records available: 1939-53. Feb. 26, 157.25.

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: 1940-53. Jan. 15, 30.03; Apr. 16, 29.99; July 22, 30.25; Oct. 21, 31.10.

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 27.03 below lsd, Apr. 18, 1950. Records available: 1940-53. Jan. 15, 22.99; Apr. 16, 22.65; July 22, 24.65; Oct. 21, 25.26.

Norton County

1-21-35dc. H. S. Whitaker. Dug irrigation and 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. Mar. 16, 28.52; May 19, 28.73.

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 28.24 below lsd, Jan. 18, 1951. Records available: 1946-53. Mar. 16, 23.36; May 19, 23.30; Nov. 3, 23.78.

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: 1946-53. Mar. 16, 23.18; May 19, 23.50; Nov. 3, 23.67.

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 34.85 below lsd, Oct. 7, 1948. Records available: 1945-53. May 19, 29.05; Nov. 3, 32.98.

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: 1947-53. Mar. 16, 41.05; May 19, 41.00; Nov. 3, 41.16.

2-21-19dd. C. C. Alexander. Drilled domestic and 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: 1946-53. Mar. 16, 62.18; May 19, 62.05; Nov. 3, 62.06.

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. Mar. 16, 60.94; May 19, 60.95.

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: 1946-53. May 19, 28.41; Nov. 3, 28.88.

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: 1947-53. Mar. 16, 48.34; May 19, 48.28; Nov. 3, 48.25.

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: 1946-53. Mar. 16, 27.66; May 19, 27.51; Nov. 3, 29.13.

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 39.15 below lsd, Jan. 18, 1951. Records available: 1947-53. Mar. 16, 38.80; May 19, 38.72; Nov. 3, 38.79.

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: 1945-53. Mar. 15, 31.76; May 18, 32.20; Nov. 17, 33.28.

6-12-20bb. C. M. Storer. Drilled stock and 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. Mar. 15, 35.76; May 18, 35.14.

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: 1945-53. Mar. 15, 20.96; May 18, 21.18; Nov. 17, 21.94.

6-13-12ba. F. L. Smith. Drilled domestic and stock water-table well in alluvium, diameter 8 inches, depth 48 feet, wood casing. Highest water level 31.96 below lsd, May 23, 1952; lowest 42.37 below lsd, Mar. 20, 1951. Records available: 1945-53. Mar. 15, 33.20; May 18, 33.39.

7-11-26aa. W. Sharp. Drilled domestic and 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. Mar. 17, 18.95; May 20, 19.14.

7-12-28ab. C. E. Galley. Drilled domestic and 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: 1946-53. Mar. 16, 28.32; May 20, 31.48; Nov. 2, 31.25.

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 38.94 below lsd, Sept. 30, 1947, Apr. 23, 1949. Records available: 1946-53. Mar. 16, 37.65; May 20, 37.67; Nov. 2, 38.45.

7-14-6cb. J. A. Guttery. Drilled stock and 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 24.19 below lsd, Nov. 29, 1948. Records available: 1946-53. Mar. 16, 21.70; May 20, 21.89; Nov. 2, 22.47.

7-14-10dd. John Clark. Drilled domestic and 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: 1946-53. May 20, 29.08; Nov. 2, 29.76.

7-15-8cc. F. Dibble. Dug domestic and 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: 1946-53. Mar. 16, 21.38; May 20, 21.52; Nov. 2, 21.89.

7-15-12dc. Tom Hale, Jr. Drilled domestic and stock water-table well, diameter 12 inches, depth 36 feet, tile casing. Highest water level 9.97 below lsd, May 25, 1952; lowest 23.85 below lsd, Apr. 12, 1950. Records available: 1946-53. Mar. 16, 22.39; Nov. 2, 21.48.

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 29.17 below lsd, Jan. 20, 1948. Records available: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	24.47	Apr. 14	25.37	July 20	25.62	Oct. 9	26.00
Feb. 11	24.60	May 13	25.53	Aug. 12	25.33	Nov. 9	26.76
Mar. 16	24.83	June 17	25.63	Sept. 7	25.47	Dec. 4	26.58

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: 1940-53.

Feb. 11	13.94	Apr. 14	13.86	July 20	15.42	Oct. 19	16.03
Mar. 16	13.87	May 13	14.30	Sept. 7	15.42	Dec. 14	15.06

Phillips County

1-19-19cc. Al Skelton. Dug stock and 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 26.0[illegible] below lsd, Nov. 19, 1950. Records available: 1947-53. Mar. 16, 16.25; May 19, 16.83; Nov. 3, 18.95.

1-20-30cc. C. C. Williams. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 85 feet. Highest water level 76.69 below lsd, Jan. 18, 1951; lowest 79.16 below lsd, Nov. 19, 1950. Records available: 1947-52. No measurement made in 1953.

4-17-31bc. C. B. Brower. Drilled domestic and 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. Mar. 16, 50.45; May 18, 50.66; Nov. 3, 52.00.

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. Mar. 16, 11.74; May 18, 12.09.

4-19-35ab. Glenn Seeger. Drilled domestic and 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: 1946-53. May 18, 10.18; Nov. 3, 11.44.

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: 1946-53. Mar. 16, 47.60; May 18, 47.69; Nov. 3, 47.92.

5-17-3cd. Mrs. V. Van Ellen and others. Dug unused water-table well in alluvium, diameter 5 feet, depth 66 feet, cribbed with rock. Highest water level 1.18 below lsd, May 6, 1947; lowest 27.00 below lsd, June 12, 1946. Records available: 1945-52. Measurement discontinued.

5-17-12aa. E. R. Downing and others. Dug domestic and 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: 1946-53. May 18, 49.24.

Pratt County

26-11-13da. H. C. Jeffers. NE¼SE¼ sec. 13, T. 26 S., R. 11 W. Drilled unused observation well in sand dune, diameter 8 inches, depth 29 feet. Highest water level 7.10 below lsd, Aug. 23, 1951; lowest 10.80 below lsd, July 20, 1953. Records available: 1951-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 23, 1951	7.10	Jan. 13, 1953	9.52	Mar. 24, 1953	10.04	June 30, 1953	10.63
Oct. 8, 1952	8.81	Mar. 14	10.04	May 13	10.28	July 20	10.80

26-13-33bad. E. R. Taylor. Drilled industrial and 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 37.55 below lsd, June 14, 1950. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	34.16	Mar. 24	34.80	July 20	35.20	Oct. 19	35.67
Feb. 11	34.44	May 13	34.00	Aug. 12	35.40	Nov. 9	35.73
Mar. 14	34.61	June 30	35.21	Sept. 1	35.45	Dec. 10	35.95

26-14-16dd. C. H. Henderson. SE¼SE¼ sec. 16, T. 26 S., R. 14 W. 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 13.49 below lsd, Oct. 19, 1953. Records available: 1951-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 26, 1951	7.81	Feb. 11, 1953	11.49	May 13, 1953	11.72	Aug. 12, 1953	12.87
Oct. 12	8.20	Mar. 14	11.37	June 17	12.41	Sept. 7	13.18
Oct. 8, 1952	11.05	16	11.46	July 20	12.64	Oct. 19	13.49
Jan. 13, 1953	11.26						

29-13-13aa. E. R. Kessler. NE¼NE¼ sec. 13, T. 29 S., R. 13 W. 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 90.53 below lsd, Sept. 6, 1951. Records available: 1951-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 28, 1951	90.42	Oct. 8, 1952	89.38	Mar. 23, 1953	89.38	Aug. 12, 1953	89.19
Sept. 6	90.53	Jan. 13, 1953	88.82	June 29	87.65	Oct. 19	88.77
24	90.47	Feb. 11	88.92	July 20	90.16	Dec. 9	89.13
Oct. 11	90.22	Mar. 14	88.77				

Republic County

1-5-7bb. U. S. Geol. Survey. Driven and drilled observation water-table well in fine sand, diameter 1¼ inches, depth 13 feet. Highest water level 3.20 below lsd, July 24, 1951; lowest 9.19 below lsd, Oct. 15, 1953. Records available: 1947-53. Jan. 22, 8.36; Mar. 12, 8.04; June 2, 7.86; July 7, 8.05; Aug. 7, 8.52; Oct. 15, 9.19.

1-5-7cb. U. S. Geol. Survey. Drilled observation water-table well in loess and silt, diameter 1¼ inches, depth 25 feet. Highest water level 15.38 below lsd, July 24, 1951; lowest 22.22 below lsd, Oct. 15, 1953. Records available: 1947-53. Jan. 22, 21.19; Mar. 12, 21.14; June 2, 21.10; July 7, 21.22; Aug. 7, 21.54; Oct. 15, 22.22.

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: 1946-53. Mar. 15, 11.9.

18-7-10ad. G. J. O'Neill. Dug unused water-table well in Dakota formation, diameter 4 feet, depth 47 feet, cribbed with rock. Highest water level 29.97 below lsd, July 31, 1951; lowest 43.54 below lsd, Sept. 16, 1946. Records available: 1946-53. Mar. 15, 39.90.

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. No measurement made in 1953.

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: 1946-53. Mar. 15, 39.9.

19-7-24ab. J. P. Pulliam. Dug unused water-table well from 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. No measurement made in 1953.

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. Mar. 15, 1.90.

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. No measurement made in 1953.

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 13.39 below lsd, Oct. 4, 1946. Records available: 1946-53. Mar. 15, 12.60.

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: 1946-53. Mar. 15, 7.80.

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: 1941-53. Jan. 14, 21.31; Apr. 15, 21.34; July 21, 21.51; Oct. 20, 21.25.

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: 1941-53. Jan. 14, 5.21; Apr. 15, 5.06; July 21, 4.98; Oct. 20, 5.88.

81. Joseph Furthmyer, Jr. SE¼SE¼ sec. 9, T. 14 S., R. 15 W. Drilled stock water-table well in Dakota formation, 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: 1941-53. Jan. 14, 119.45; Apr. 15, 119.50; July 21, 119.95; Oct. 20, 120.30.

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: 1941-53. Jan. 14, 7.73; Apr. 15, 8.92; July 21, 8.17; Oct. 20, 8.08.

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: 1941-53. Jan. 14, 12.92; Apr. 15, 12.97; July 21, 12.95; Oct. 20, 13.16.

148. John Penix. NE¼SE¼ sec. 13, T. 14 S., R. 13 W. Dug domestic and 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: 1941-53. Jan. 14, 5.52; Apr. 15, 6.41; July 21, 6.47.

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: 1941-53. Jan. 14, 18.57; Apr. 15, 18.32; July 21, 18.68; Oct. 20, 18.96.

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 25.44 below lsd, Jan. 6, 1948. Records available: 1946-53. Jan. 10, 24.04; Mar. 13, 24.37; July 23, 24.89.

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 25.50 below lsd, Jan. 6, 1948. Records available: 1946-53. Jan. 10, 24.40; Mar. 13, 23.79; Apr. 13, 23.53; June 20, 23.87; July 23, 24.16; Sept. 26, 24.62; Nov. 23, 25.00.

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 22.42 below lsd, Sept. 5, 1946. Records available: 1946-53. Jan. 10, 20.17; Mar. 13, 20.53; July 23, 21.24.

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 20.64 below lsd, Jan. 6, 1948. Records available: 1946-53. Jan. 10, 17.05; Mar. 13, 17.59; July 23, 18.27.

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. 9, 1951; lowest 27.35 below lsd, Jan. 6, 1948. Records available: 1946-53. Jan. 10, 23.34; Mar. 13, 24.05; July 23, 25.08.

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 22.08 below lsd, Aug. 1, 1946. Records available: 1946-53. Jan. 10, 19.11; Mar. 13, 19.64; July 23, 20.58.

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 26.52 below lsd, Dec. 1, 1947. Records available: 1946-53. Jan. 10, 25.45; Mar. 13, 25.58; July 23, 25.31.

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 24.67 below lsd, Dec. 1, 1947. Records available: 1946-53. Jan. 10, 23.56; Mar. 13, 23.74.

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 24.38 below lsd, Jan. 6, 1948. Records available: 1946-53. Jan. 10, 22.36; Mar. 13, 22.75; July 23, 22.57.

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 21.60 below lsd, Jan. 6, 1948. Records available: 1946-53. Jan. 10, 20.19; Mar. 13, 20.31; July 23, 21.41.

16-3-34dd. U. S. Geol. Survey. Driven and drilled observation water-table well in terrace sediments, diameter 1¼ inches, depth 44 feet. Highest water level 5.80 below lsd, July 24, 1951; lowest 23.15 below lsd, Jan. 6, 1948. Records available: 1946-53. Jan. 10, 21.29; Mar. 13, 21.90.

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 68.53 below lsd, Dec. 16, 1953. Records available: 1931-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	65.94	Apr. 21	65.76	July 8	67.37	Nov. 5	67.02
Feb. 10	65.06	May 7	65.05	Aug. 6	67.82	Dec. 16	68.53
Mar. 18	64.86	June 24	65.10	Oct. 13	67.74		

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 59.22 below lsd, Dec. 29-31, 1953. Records available: 1940-53.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.49	56.44	56.39	56.58	56.81	57.04	57.24	57.60	58.01	58.48	58.88	59.12
2	56.49	56.45	56.43	56.59	56.81	57.04	57.24	57.61	58.03	58.50	58.90	59.12
3	56.52	56.45	56.46	56.60	56.82	57.05	57.25	57.62	58.06	58.52	58.92	59.13
4	56.50	56.43	56.48	56.60	56.84	57.06	57.27	57.63	58.07	58.53	58.92	59.13
5	56.50	56.41	56.51	56.59	56.84	57.08	57.28	57.65	58.08	58.54	58.93	59.13
6	56.49	56.42	56.53	56.59	56.83	57.08	57.29	57.67	58.10	58.55	58.94	59.14
7	56.50	56.43	56.53	56.60	56.83	57.09	57.31	57.68	58.12	58.56	58.95	59.15
8	56.50	56.39	56.52	56.61	56.82	57.10	57.31	57.68	58.15	58.58	58.96	59.15
9	56.51	56.43	56.52	56.64	56.81	57.10	57.33	57.69	58.16	58.59	58.97	59.16
10	56.52	56.46	56.53	56.65	56.84	57.10	57.34	57.70	58.17	58.50	58.98	59.17
11	56.53	.....	56.54	56.66	56.86	57.11	57.35	57.72	58.19	.....	58.99	59.17
12	56.51	.....	56.52	56.68	56.87	57.11	57.36	57.72	58.21	.....	59.00	59.18
13	56.48	.....	56.53	56.69	56.87	57.11	57.37	57.73	58.23	58.63	59.01	59.18
14	56.49	56.42	56.55	56.69	56.89	57.12	57.38	57.74	58.23	58.64	59.02	59.19
15	56.46	56.40	56.54	56.71	56.85	57.14	57.40	57.76	58.24	58.67	59.03	59.19
16	56.53	56.44	56.52	56.70	56.86	57.15	57.42	57.78	58.26	58.68	59.03	59.19
17	56.51	56.43	.....	56.72	56.87	57.16	57.44	57.80	58.28	58.69	59.04	59.19
18	56.48	56.38	56.54	56.75	56.89	57.16	57.44	57.81	58.29	58.70	59.05	59.19
19	56.46	56.38	56.51	56.76	56.89	57.15	57.45	57.82	58.30	58.72	59.05	59.19
20	56.49	56.41	56.48	56.75	56.89	57.16	57.46	57.83	58.32	58.73	59.05	59.20
21	56.45	56.43	56.49	56.73	56.90	57.16	57.47	57.85	58.33	58.75	59.06	59.19
22	56.50	56.43	56.52	56.73	56.91	57.18	57.49	57.86	58.34	58.75	59.06	59.19
23	56.49	56.41	56.56	56.74	56.92	57.18	57.49	57.88	58.36	58.78	59.07	59.20
24	56.50	56.40	56.57	56.76	56.91	57.17	57.51	57.89	58.38	58.79	59.08	59.21
25	56.47	56.39	56.56	56.77	56.94	57.20	57.53	57.90	58.40	58.81	59.08	59.21
26	56.47	56.39	56.56	56.78	56.95	57.20	57.55	57.92	58.41	58.81	59.08	59.21
27	56.50	56.38	56.58	56.76	56.97	57.20	57.57	57.93	58.42	58.82	59.09	59.21
28	56.47	56.38	56.56	56.75	56.98	57.21	57.57	57.94	58.44	58.83	59.10	59.21
29	56.45		56.52	56.75	56.98	57.22	57.57	57.95	58.45	58.84	59.11	59.22
30	56.45		56.53	56.79	57.00	57.23	57.57	57.96	58.46	58.85	59.11	59.22
31	56.47		56.57		57.01		57.58	57.99		58.87		59.22

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: 1934-53.

2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	25.05	Apr. 21	25.45	July 8	26.11	Oct. 13	27.88
Feb. 10	25.20	May 7	25.55	Aug. 6	26.75	Nov. 5	28.46
Mar. 18	25.37	June 24	25.81	Sept. 3	27.29		

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: 1944-53.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.26	23.58	23.68	24.00	24.22	24.89	25.57	26.19	25.74	27.11	27.54	27.82
2	23.36	23.59	23.71	24.01	24.27	24.84	25.63	26.18	25.77	27.10	27.54	27.84
3	23.34	23.60	23.73	24.03	24.30	24.83	25.69	26.18	25.89	27.15	27.58	27.83
4	23.34	23.59	.....	24.01	24.32	24.83	24.73	26.19	25.99	27.17	27.60	27.87
5	23.31	23.60	.....	24.02	24.32	24.89	25.76	26.17	26.05	27.17	27.61	27.91
6	23.32	23.60	.....	24.00	24.28	24.89	25.80	26.16	26.12	27.19	27.57	27.94
7	23.32	23.62	.....	24.00	24.27	24.82	25.83	26.16	26.18	27.18	27.63	27.91
8	23.38	23.54	.....	24.04	24.26	24.86	25.85	26.15	26.23	27.21	27.67	27.93
9	23.42	23.60	.....	24.07	24.25	24.85	25.87	26.12	26.28	27.22	27.66	27.96
10	23.42	23.67	.....	24.10	24.32	24.91	25.88	26.08	26.35	27.22	27.65	27.91
11	23.42	23.67	.....	24.09	24.39	24.92	25.88	26.05	26.42	27.23	27.69	27.99
12	23.38	23.71	.....	24.11	24.44	24.92	25.91	26.11	26.51	27.24	27.68	27.97
13	23.39	23.65	.....	24.10	24.49	24.90	25.94	26.07	26.57	27.25	27.69	27.99
14	23.37	23.66	.....	24.08	24.49	24.89	25.98	26.06	26.65	27.27	27.70	28.00
15	23.52	23.63	.....	24.15	24.51	24.89	26.03	26.05	26.72	27.28	27.70	27.98
16	23.52	23.74	.....	24.09	24.53	24.94	26.07	26.03	26.78	27.27	27.71	28.03
17	23.43	23.74	.....	24.10	24.61	24.92	26.12	26.03	26.83	27.28	27.70	28.02
18	23.42	23.64	23.92	24.18	24.64	24.90	26.14	26.02	26.85	27.29	27.72	27.98
19	23.45	23.61	23.87	24.19	24.67	24.92	24.16	26.02	26.88	27.31	27.74	27.96
20	23.52	23.72	23.81	24.15	24.68	24.99	24.17	26.00	26.91	27.32	27.75	27.92
21	23.44	23.78	23.86	24.10	24.71	25.04	24.18	25.98	26.96	27.32	27.77	27.96
22	23.55	23.77	23.92	24.10	24.75	25.10	24.22	25.94	26.97	27.37	27.78	27.05
23	23.57	23.75	23.96	24.13	24.77	25.15	24.22	25.90	26.96	27.39	27.76	27.05
24	23.57	23.74	23.97	24.14	24.75	25.17	24.23	25.86	26.98	27.35	27.81	27.02
25	23.51	23.73	23.96	24.21	24.80	25.25	24.24	25.83	27.01	27.37	27.84	27.03
26	23.53	23.73	23.96	24.23	24.83	25.30	24.26	25.80	27.01	27.42	27.81	28.00
27	23.60	23.76	24.00	24.13	24.85	25.35	24.27	25.77	27.01	27.43	27.86	27.98
28	23.59	23.73	23.95	24.10	24.85	25.44	24.26	25.73	27.01	27.45	27.87	27.98
29	23.53		23.89	24.10	24.82	25.49	24.24	25.71	27.06	27.45	27.89	27.99
30	23.55		23.91	24.17	24.84	25.53	24.24	25.72	27.11	27.46	27.88	28.06
31	23.61		23.96		.....		24.23	25.73		27.51		28.04

3. Claude Hughes. SW¼SW¼ sec. 21, T. 18 S., R. 33 W. Drilled irrigation water-table well in sand and gravel, diameter 18 inches, depth 138 feet. Highest water level 67.94 below lsd, May 30, 1934; lowest 91.99 below lsd, Oct. 13, 1948. Records available: 1934, 1939-51. Measurement discontinued.

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 58.09 below lsd, Feb. 17, 1949. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	47.35	Apr. 21	46.80	July 8	54.51	Nov. 5	53.31
Feb. 10	47.73	May 7	46.68	Aug. 6	53.09	Dec. 16	45.60
Mar. 18	46.82	June 24	47.82				

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 44.88 below lsd, Dec. 16, 1949. Records available: 1939-53.

Jan. 20	38.89	Apr. 21	39.41	July 8	40.33	Oct. 13	42.88
Feb. 10	38.94	May 7	39.43	Aug. 6	40.60	Nov. 5	41.95
Mar. 18	39.33	June 24	40.11	Sept. 3	41.38		

48. P. Roark. NE¼ sec. 25, T. 20 S., R. 33 W. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 35 feet. Highest water level 25.82 below lsd, Sept. 27, 1951; lowest 31.52 below lsd, Apr. 24, 1944. Records available: 1939-53. Jan. 20, 29.72; Feb. 10, 30.33; Mar. 18, 29.91; Apr. 21, 29.98; May 7, 30.26; June 24, 30.96.

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 86.10 below lsd, Oct. 13, 1953; lowest 97.95 below lsd, Aug. 6, 1943. Records available: 1939-53. Jan. 20, 86.23; Apr. 21, 86.04; Oct. 13, 86.10.

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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 18.99 below lsd, Apr. 1-2, 8-9, 11-12, 1938. Records available: 1937-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	17.86	Apr. 24	18.09	July 31	18.36	Nov. 3	18.78
Feb. 2	17.88	May 1	18.11	Aug. 24	18.45	24	18.80
25	17.94	25	18.10	Sept. 1	18.51	Dec. 1	18.79
Mar. 2	17.99	June 2	21.86	24	18.58	24	18.82
24	18.00	24	18.47	30	18.61	30	18.85
Apr. 1	18.02	July 2	18.35	Oct. 24	18.73		

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 23.69 below lsd, Jan. 29, 1939. Records available: 1937-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.56	13.31	12.85	12.77	13.13	15.10	17.23	18.88	17.84	17.66	14.31	14.27
2	14.51	13.24	12.83	12.80	13.16	15.10	17.38	18.88	18.15	17.66	14.25	14.50
3	14.46	13.20	12.81	12.81	13.16	15.75	17.41	17.95	18.15	17.65	14.19	14.73
4	14.38	13.16	12.79	12.83	13.15	16.55	16.90	17.15	17.30	17.29	14.15	14.90
5	14.34	13.11	12.73	12.83	13.11	16.50	16.65	16.47	16.60	16.50	14.10	14.92
6	14.28	13.10	12.69	12.82	13.10	15.40	17.32	16.41	15.92	16.00	14.07	14.92
7	14.24	13.07	12.68	12.82	13.10	.....	17.32	15.65	15.45	15.66	14.00	14.87
8	14.22	13.04	12.67	12.83	13.10	.....	16.73	13.95	15.40	15.32	13.98	14.70
9	14.22	13.03	12.64	12.86	13.07	17.40	16.68	13.30	15.81	15.15	13.94	14.61
10	14.17	13.03	12.63	12.86	13.07	18.30	16.47	13.80	16.17	15.33	13.87	14.60
11	14.12	12.99	12.64	12.86	13.06	18.98	16.47	14.40	16.53	15.38	13.83	14.76
12	14.00	12.95	12.66	12.86	13.04	19.72	16.06	14.93	16.70	15.32	13.79	14.86
13	13.83	12.93	12.66	12.86	13.03	20.25	15.63	15.30	16.70	15.32	13.76	14.88
14	13.72	12.92	12.67	12.87	13.02	20.25	15.20	15.55	17.43	15.73	13.73	14.87
15	13.60	12.92	12.67	12.90	13.01	20.15	15.07	15.73	17.43	15.73	13.75	14.85
16	13.54	12.94	12.64	12.90	13.01	20.84	14.75	.....	17.37	16.35	13.70	14.86
17	13.52	12.94	12.65	12.87	13.01	20.90	14.42	.....	18.01	.....	13.71	14.87
18	13.52	12.90	12.70	12.93	13.00	21.30	13.92	.....	18.01	.....	14.45	14.85
19	13.49	12.90	12.70	12.94	13.27	21.94	13.73	.....	17.47	.....	15.18	14.85
20	13.44	12.93	12.68	12.94	13.27	21.60	13.66	.....	17.22	16.64	15.38	14.79
21	13.45	12.97	12.75	12.94	13.17	20.55	13.73	14.98	16.83	16.65	14.85	14.76
22	13.48	12.97	12.77	12.99	13.20	19.68	13.80	15.58	16.76	16.33	14.34	14.76
23	13.48	12.97	12.79	13.03	13.20	18.55	14.10	.....	16.60	16.30	14.09	14.72
24	13.51	12.95	12.80	13.10	13.18	17.85	14.60	.....	16.22	14.76	13.98	14.74
25	13.51	12.88	12.81	13.10	13.24	17.80	14.60	.....	16.12	15.38	14.00	14.75
26	13.53	12.86	12.82	13.11	13.30	17.80	15.30	.....	16.47	15.10	14.08	14.73
27	13.54	12.88	12.85	13.10	13.52	18.80	16.77	16.58	16.47	14.88	14.16	14.67
28	13.54	12.87	12.85	13.10	13.61	18.80	16.77	16.95	16.40	14.68	14.18	14.65
29	13.52		12.83	13.11	13.75	17.75	17.40	17.08	17.05	14.55	14.24	14.60
30	13.44		12.84	13.11	14.00	17.74	18.67	17.09	17.38	14.45	14.23	14.85
31	13.37		12.78		.....		18.68	17.84		14.38		14.87

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 27.27 below lsd, Nov. 23-26, 1953. Records available: 1937-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.20	22.17	22.49	23.54	24.16	24.40	.....	26.05	26.74	26.28	.....	27.25
2	22.20	22.17	.....	.....	.....	24.44	25.60	26.08	26.75	26.27	27.02	.....
3	22.13	22.17	.....	.....	.....	24.44	25.60	26.09	26.75	26.27	27.04	.....
4	22.13	22.17	.....	.....	.....	24.56	25.61	26.10	26.75	26.27	27.04	.....
5	22.10	22.17	.....	.....	.....	24.57	25.63	26.11	26.75	26.29	27.07	.....

307--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	22.04	22.17	.....	.....	.....	24.62	25.63	26.11	26.75	26.32	27.09	.....
7	22.01	22.17	.....	.....	.....	24.63	25.63	26.14	26.72	26.33	27.09	.....
8	22.01	22.17	.....	.....	.....	24.63	25.65	26.16	26.69	26.37	27.09	.....
9	22.02	22.17	.....	.....	.....	24.63	25.65	26.18	26.68	26.40	27.09	.....
10	22.02	22.17	.....	.....	.....	24.63	25.65	26.21	26.65	26.42	27.09	.....
11	22.05	22.19	.....	.....	.....	24.63	25.65	26.23	26.63	26.46	27.09	.....
12	22.05	22.23	.....	.....	.....	24.83	25.65	26.24	26.61	26.46	27.09	.....
13	22.05	22.27	.....	.....	.....	24.87	25.64	26.26	26.58	26.56	27.11	.....
14	22.08	22.27	.....	.....	.....	24.89	25.63	26.26	26.57	26.58	27.12	.....
15	22.14	22.32	.....	.....	.....	24.94	25.60	26.30	26.57	26.59	27.15	.....
16	22.16	22.33	.....	.....	.....	24.96	25.59	26.33	26.56	26.59	27.15	.....
17	22.16	22.33	.....	.....	.....	25.02	25.59	26.34	26.54	26.59	27.18	.....
18	22.16	22.33	.....	.....	.....	25.85	25.59	26.34	26.51	26.64	27.22	.....
19	22.17	22.33	.....	.....	.....	25.87	25.60	26.39	26.51	26.64	27.22	.....
20	22.17	22.33	.....	.....	.....	25.12	25.61	26.42	26.50	26.66	27.22	.....
21	22.17	22.33	.....	.....	.....	25.12	25.63	26.42	26.49	26.69	27.22	.....
22	22.17	22.33	.....	.....	.....	25.18	25.66	26.45	26.49	26.69	27.22	.....
23	22.21	22.33	.....	.....	.....	25.19	25.66	26.47	26.49	26.73	27.27	.....
24	22.21	22.33	.....	.....	.....	25.24	25.70	26.51	26.48	26.78	27.27	.....
25	22.21	22.33	.....	.....	.....	25.24	25.72	26.52	26.47	.....	27.27	.....
26	.....	22.49	.....	.....	.....	25.62	25.72	.....	26.45	.....	27.27	.....
27	.....	22.49	.....	.....	.....	.....	.....	.....	26.36	.....	.....	.....
28	.....	22.49	.....	.....	.....	.....	.....	.....	26.32	.....	.....	.....
29	.....		.....	.....	.....	.....	.....	.....	26.32	.....	.....	.....
30	.....		.....	.....	.....	.....	.....	.....	26.32	.....	.....	.....
31	.....		.....		.....		.....	.....		.....		26.72

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 12.45 below lsd, Mar. 20, 1944; lowest 30.20 below lsd, June 13, 1951. Records available: 1943-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	27.70	Apr. 3	25.12	July 27	25.21	Oct. 2	23.6
Feb. 25	26.47	May 26	25.65	Aug. 27	23.88	Nov. 2	23.00

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 5.50 below lsd, Nov. 3, 1953. Records available: 1938-53.

Feb. 2	4.83	May 1	4.46	July 31	4.61	Nov. 3	5.50
Mar. 2	4.74	June 2	4.59	Sept. 1	4.96	Dec. 1	5.37
Apr. 2	4.42	July 1	4.89	30	5.33	29	5.21

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 6.73 below lsd, Sept. 30, 1953. Records available: 1938-53.

Feb. 2	5.25	May 1	5.19	July 31	6.09	Nov. 3	6.44
Mar. 2	5.02	June 2	5.97	Sept. 1	6.48	Dec. 1	6.22
Apr. 2	4.93	July 1	6.09	30	6.73	29	6.08

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 23.87 below lsd, Sept. 30, 1953. Records available: 1938-53.

Feb. 2	22.50	May 1	22.72	July 31	23.21	Nov. 3	23.83
Mar. 2	22.57	June 2	22.88	Sept. 1	23.45	Dec. 1	23.76
Apr. 2	22.56	July 1	23.06	30	23.87	29	23.68

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 23.47 below lsd, Mar. 4, 1941. Records available: 1938-53. Feb. 2, 21.46; Mar. 2, 21.52; Apr. 2, 21.50; May 1, 21.77; June 2, 21.77.

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 15.84 below lsd, Dec. 30, 1953. Records available: 1938-53.

Feb. 2	14.36	May 1	14.49	July 31	14.92	Nov. 3	15.61
Mar. 2	14.49	June 2	14.43	Sept. 1	15.17	Dec. 1	15.72
Apr. 1	14.52	July 2	14.77	30	15.41	30	15.84

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 14.21 below lsd, Sept. 30, 1953. Records available: 1938-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	13.69	May 1	13.82	July 31	13.93	Nov. 3	14.18
Mar. 2	13.71	June 2	13.79	Sept. 1	14.07	Dec. 1	14.15
Apr. 1	13.74	July 2	13.90	30	14.21	30	14.12

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 10.07 below lsd, Dec. 30, 1953. Records available: 1938-53.

Feb. 2	9.39	May 1	9.48	July 31	9.68	Nov. 3	10.00
Mar. 2	9.39	June 2	9.52	Sept. 1	9.72	Dec. 1	10.06
Apr. 1	9.36	July 2	9.63	30	9.86	30	10.07

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: 1938-53.

Feb. 2	9.00	May 1	9.12	July 31	9.28	Nov. 3	9.43
Mar. 2	9.00	June 2	9.18	Sept. 1	9.31	Dec. 1	9.48
Apr. 1	9.18	July 2	9.23	30	9.35	30	9.52

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 17.11 below lsd, Dec. 3, 1940, Jan. 2, Feb. 3, Mar. 4, May 1, 1941. Records available: 1938-53.

Feb. 2	14.88	May 1	15.01	July 31	15.50	Nov. 3	16.10
Mar. 2	14.81	June 2	15.13	Sept. 1	15.68	Dec. 1	16.25
Apr. 1	14.98	July 2	15.31	30	15.82	30	16.41

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 16.74 below lsd, July 31, 1953. Records available: 1938-53.

Jan. 2	13.43	Apr. 30	15.27	July 31	16.74	Nov. 3	16.34
Feb. 2	14.73	June 2	15.42	Sept. 1	15.90	Dec. 1	16.46
Mar. 3	13.98	July 2	15.70	Oct. 2	16.14	31	16.62
31	15.05						

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 20.06 below lsd, Dec. 31, 1953. Records available: 1938-53.

Jan. 2	16.89	Apr. 30	14.86	July 31	18.87	Nov. 3	19.87
Feb. 2	17.07	June 2	18.13	Sept. 1	19.13	Dec. 1	19.98
Mar. 3	17.40	July 2	18.60	Oct. 2	19.65	31	20.06
13	17.63						

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: 1938-53.

Jan. 2	10.92	Apr. 30	11.27	July 31	12.89	Nov. 3	12.59
Feb. 2	11.01	June 2	11.40	Sept. 2	12.14	Dec. 1	11.60
Mar. 3	11.02	July 2	11.66	Oct. 2	12.46	31	12.62
31	11.17						

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 29.07 below lsd, Sept. 30, 1953. Records available: 1938-53.

Feb. 2	27.18	May 1	27.23	July 31	28.41	Nov. 3	20.00
Mar. 2	27.07	June 2	27.55	Sept. 1	28.78	Dec. 1	28.78
Apr. 2	27.06	July 1	28.08	30	29.07	29	28.58

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 11.70 below lsd, Oct. 3, 1940. Records available: 1938-53.

Feb. 2	9.87	May 1	10.09	July 31	11.17	Nov. 3	11.27
Mar. 2	9.76	June 2	10.45	Sept. 1	11.41	Dec. 1	10.90
Apr. 2	9.80	July 1	10.91	30	11.73	31	10.71

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 45 feet. Highest water level 17.01 below lsd, Oct. 2, 1951; lowest 26.91 below lsd, Nov. 5, 1940. Records available: 1938-53. Feb. 2, 22.39; Mar. 2, 23.45; May 1, 24.72; June 2, 24.88; July 1, 25.27; July 31, 25.40.

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 8.89 below lsd, Nov. 3, 1953. Records available: 1939-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	7.81	May 1	7.59	July 31	8.26	Nov. 3	8.89
Mar. 2	7.75	June 2	7.59	Sept. 1	8.57	Dec. 1	8.84
Apr. 1	7.48	July 1	7.99	30	8.81	29	8.79

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: 1939-53.

Mar. 2	16.20	June 2	16.18	Sept. 1	16.62	Dec. 1	16.72
Apr. 2	16.21	July 1	16.35	30	16.84	29	16.62
May 1	16.25	31	16.46	Nov. 3	16.87		

870. W. Williams. NW¼NE¼NE¼ sec. 18, T. 25 S., R. 2 W. Driven stock and observation water-table well in Meade formation, diameter 1¼ inches, depth 19 feet. Highest water level 0.33 below lsd, July 10, 1951; lowest 8.30 below lsd, Nov. 5, 1940. Records available: 1939-53.

Feb. 2	7.96	May 1	7.27	July 31	6.98	Nov. 3	8.02
Mar. 2	7.33	June 2	6.81	Sept. 1	7.42	Dec. 1	8.15
Apr. 1	7.54	July 2	6.81	30	7.80	29	8.10

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 17.55 below lsd, Dec. 31, 1953. Records available: 1950-53. Jan. 2, 15.00; Mar. 31, 15.72; July 2, 16.25; Oct. 2, 17.22; Dec. 31, 17.55.

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 19.64 below lsd, Dec. 31, 1953. Records available: 1950-53. Jan. 2, 16.22; Mar. 31, 17.00; July 2, 18.00; Oct. 2, 19.18; Dec. 31, 19.64.

2083. Dora E. Treaser. SE¼NW¼SW¼ sec. 14, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 7 inches, depth 50 feet. Highest water level 2.60 below lsd, July 9, 1951; lowest 5.68 below lsd, June 29, 1950. Records available: 1950-51. Measurement discontinued.

3004. City of Wichita. SE¼ sec. 1, T. 25 S., R. 2 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 10.56 below lsd, Dec. 29, 1953. Records available: 1949-53.

Feb. 2	9.83	May 1	9.60	July 31	9.91	Nov. 3	10.54
Mar. 2	9.70	June 2	9.56	Sept. 1	10.18	Dec. 1	10.55
Apr. 1	9.58	July 1	9.88	30	10.38	29	10.56

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 12.80 below lsd, July 31, Dec. 31, 1953. Records available: 1950-53.

Jan. 2	10.30	Apr. 30	11.18	July 31	12.80	Nov. 3	12.44
Feb. 2	10.57	June 2	11.30	Sept. 1	12.00	Dec. 1	12.71
Mar. 2	10.81	July 1	11.55	Oct. 2	12.25	31	12.80
31	10.98						

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 25.12 below lsd, Oct. 1, 1953. Records available: 1939-53.

Feb. 2	20.52	May 1	21.33	July 31	23.99	Nov. 2	24.18
Mar. 2	21.42	June 1	21.88	Sept. 1	24.17	Dec. 1	25.05
Apr. 1	22.08	July 2	23.48	Oct. 1	25.12	31	24.53

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 58.0 below lsd, Mar. 31, June 6, 29, 1950. Records available: 1947, 1949-53.

M-27--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	23.0	May 1	48.5	July 31	24.0	Nov. 2	48.5
Mar. 2	52.0	June 1	24.0	Sept. 1	51.5	Dec. 1	47.5
Apr. 1	50.0	July 2	24.0	Oct. 1	50.0	31	25.0

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 27.18 below lsd, Sept. 1, 1953. Records available: 1947, 1949-53.

Feb. 2	23.12	May 1	25.33	July 31	25.33	Nov. 2	27.05
Mar. 2	24.80	June 1	23.47	Sept. 1	27.18	Dec. 1	27.12
Apr. 1	25.05	July 2	24.67	Oct. 1	27.12	31	25.71

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 26.45 below lsd, Sept. 1, Nov. 2, 1953. Records available: 1947-53.

Feb. 2	22.61	May 1	24.36	July 31	24.82	Nov. 2	26.45
Mar. 2	23.74	June 1	24.05	Sept. 1	26.45	Dec. 1	26.27
Apr. 1	24.02	July 2	24.28	Oct. 1	26.14	31	25.16

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 82.0 below lsd, June 1, 1953. Records available: 1947, 1949-53.

Feb. 2	77.5	May 1	25.0	July 31	80.0	Nov. 2	25.0
Mar. 2	24.0	June 1	82.0	Sept. 1	78.0	Dec. 1	25.0
Apr. 1	25.0	July 2	24.5	Oct. 1	78.0	31	78.0

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 27.84 below lsd, Oct. 1, 1953. Records available: 1947, 1949-53.

Feb. 2	24.78	May 1	24.75	July 31	26.80	Nov. 2	26.90
Mar. 2	24.03	June 1	25.83	Sept. 1	27.75	Dec. 1	27.02
Apr. 1	24.52	July 2	25.25	Oct. 1	27.84	31	27.16

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 26.89 below lsd, Oct. 1, 1953. Records available: 1947-53.

Feb. 2	23.70	May 1	24.16	July 31	25.75	Nov. 2	26.30
Mar. 2	23.38	June 1	24.80	Sept. 1	26.75	Dec. 1	26.42
Apr. 1	23.86	July 2	24.75	Oct. 1	26.89	31	26.33

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, 1949-53.

Feb. 2	55.5	May 1	55.0	July 31	51.0	Nov. 2	55.0
Mar. 2	50.0	June 1	51.0	Sept. 1	55.0	Dec. 1	55.5
Apr. 1	22.0	July 2	50.0	Oct. 1	22.0	31	23.0

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 35.51 below lsd, Nov. 2, 1953. Records available: 1947, 1949-53.

Feb. 2	32.40	May 1	33.17	July 31	33.68	Nov. 2	35.51
Mar. 2	31.75	June 1	31.97	Sept. 1	35.39	Dec. 1	34.75
Apr. 1	22.83	July 2	33.25	Oct. 1	23.17	31	23.56

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 24.52 below lsd, May 3, 1950. Records available: 1947-53.

M-29b--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	13.20	May 1	13.90	July 31	14.74	Nov. 2	15.42
Mar. 2	13.45	June 1	14.20	Sept. 1	15.00	Dec. 1	15.70
Apr. 1	13.73	July 2	14.60	Oct. 1	15.10	31	15.78

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 60.00 below lsd, Oct. 31, 1952, Sept. 1, 1953. Records available: 1947, 1949-53.

Feb. 2	24.0	May 1	22.0	July 31	56.0	Nov. 2	24.0
Mar. 2	53.0	June 1	55.0	Sept. 1	60.0	Dec. 1	24.0
Apr. 1	58.0	July 2	55.0	Oct. 1	23.0	31	23.0

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 29.66 below lsd, Sept. 1, 1953. Records available: 1947, 1949-53.

Feb. 2	18.62	May 1	20.75	July 31	28.50	Nov. 2	23.04
Mar. 2	25.90	June 1	27.40	Sept. 1	29.66	Dec. 1	23.00
Apr. 1	26.20	July 2	27.05	Oct. 1	21.04	31	21.58

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 28.07 below lsd, Sept. 1, 1953 Records available: 1947-53.

Feb. 2	18.80	May 1	21.07	July 31	26.30	Nov. 2	23.40
Mar. 2	23.55	June 1	25.00	Sept. 1	28.07	Dec. 1	23.41
Apr. 1	23.62	July 2	25.95	Oct. 1	22.68	31	22.35

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, 1949-53.

Feb. 2	20.0	May 1	59.5	July 31	60.0	Nov. 2	65.0
Mar. 2	56.0	June 1	57.0	Sept. 1	25.0	Dec. 1	27.0
Apr. 1	58.0	July 2	60.0	Oct. 1	67.0	31	64.0

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 28.64 below lsd, Dec. 1, 1953. Records available: 1947, 1949-53.

Feb. 2	19.10	May 1	26.25	July 31	28.15	Nov. 2	28.32
Mar. 2	24.74	June 1	26.55	Sept. 1	25.91	Dec. 1	28.64
Apr. 1	23.70	July 2	27.65	Oct. 1	26.80	31	28.49

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 27.77 below lsd, Dec. 31, 1953. Records available: 1947-53.

Feb. 2	20.16	May 1	25.46	July 31	27.53	Nov. 2	27.65
Mar. 2	24.05	June 1	25.95	Sept. 1	27.15	Dec. 1	26.95
Apr. 1	23.15	July 2	27.20	Oct. 1	26.07	31	27.77

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 68.0 below lsd, Oct. 1, 1953. Records available: 1947, 1949-53.

Feb. 2	61.0	May 1	23.0	July 31	24.0	Nov. 2	24.0
Mar. 2	22.0	June 1	23.0	Sept. 1	24.0	Dec. 1	24.0
Apr. 1	22.0	July 2	23.0	Oct. 1	68.0	31	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 25.32 below lsd, Oct. 1, 1953. Records available: 1947, 1949-53.

M-32a--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	20.31	May 1	21.08	July 31	22.67	Nov. 2	23.34
Mar. 2	20.05	June 1	22.35	Sept. 1	23.04	Dec. 1	23.29
Apr. 1	21.14	July 2	22.03	Oct. 1	25.32	31	24.53

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 25.25 below lsd, Oct. 1, 1953. Records available: 1947-53.

Feb. 2	21.10	May 1	22.12	July 31	23.75	Nov. 2	24.44
Mar. 2	21.54	June 1	23.00	Sept. 1	24.14	Dec. 1	24.47
Apr. 1	22.10	July 2	23.15	Oct. 1	25.25	31	25.07

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 75.0 below lsd, Oct. 1, 1953. Records available: 1947, 1949-53.

Feb. 2	65.5	May 1	69.0	July 31	72.0	Nov. 2	73.0
Mar. 2	65.0	June 1	70.0	Sept. 1	73.0	Dec. 1	68.5
Apr. 1	21.5	July 2	70.0	Oct. 1	75.0	31	69.5

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 24.40 below lsd, Oct. 1, 1953. Records available: 1947, 1949-53.

Feb. 2	20.64	May 1	21.55	July 31	20.43	Nov. 2	24.16
Mar. 2	20.95	June 1	21.00	Sept. 1	23.91	Dec. 1	24.25
Apr. 1	20.60	July 2	22.77	Oct. 1	24.40	31	24.23

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: 1947-53.

Feb. 2	18.45	May 1	19.37	July 31	21.09	Nov. 2	21.98
Mar. 2	18.76	June 1	20.75	Sept. 1	21.68	Dec. 1	27.55
Apr. 1	18.59	July 2	20.50	Oct. 1	22.17	31	22.09

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 60.02 below lsd, July 31, 1953. Records available: 1947, 1949-53.

Feb. 2	22.67	May 1	23.38	July 31	60.02	Nov. 2	59.65
Mar. 2	50.74	June 1	59.18	Sept. 1	59.60	Dec. 1	56.0
Apr. 1	22.80	July 2	59.00	Oct. 1	59.80	31	24.0

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 28.72 below lsd, Oct. 1, 1953. Records available: 1947, 1949-53.

Feb. 2	21.20	May 1	21.89	July 31	27.86	Nov. 2	27.74
Mar. 2	25.39	June 1	26.57	Sept. 1	28.01	Dec. 1	27.80
Apr. 1	21.46	July 2	27.30	Oct. 1	28.72	31	23.99

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 23.63 below lsd, Oct. 1, 1953. Records available: 1947-53.

Feb. 2	19.92	May 1	20.60	July 31	22.55	Nov. 2	23.61
Mar. 2	20.14	June 1	21.08	Sept. 1	23.18	Dec. 1	23.43
Apr. 1	20.36	July 2	21.95	Oct. 1	23.63	31	23.43

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 54.55 below lsd, Sept. 1, 1953. Records available: 1947, 1949-53.

M-35--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	50.88	May 1	23.42	July 31	53.98	Nov. 2	53.90
Mar. 2	49.54	June 1	52.10	Sept. 1	54.55	Dec. 1	51.15
Apr. 1	52.17	July 2	52.35	Oct. 1	26.55	31	52.0

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 26.58 below lsd, Nov. 2, 1953. Records available: 1947, 1949-53.

Feb. 2	22.67	May 1	22.99	July 31	25.09	Nov. 2	26.58
Mar. 2	23.04	June 1	23.54	Sept. 1	25.74	Dec. 1	22.14
Apr. 1	22.72	July 2	24.45	Oct. 1	26.22	31	25.95

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 27.10 below lsd, Sept. 1, 1953. Records available: 1947-53.

Feb. 2	23.98	May 1	23.72	July 31	26.72	Nov. 2	26.29
Mar. 2	24.30	June 1	25.40	Sept. 1	27.10	Dec. 1	26.52
Apr. 1	23.75	July 2	26.00	Oct. 1	26.83	31	26.40

Seward County

15. Cabot Carb. SE¼SW¼ sec. 21, T. 32 S., R. 33 W. Drilled domestic and 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: 1940-53.

Jan. 12	17.93	May 25	18.05	Aug. 10	18.26	Oct. 8	18.19
Mar. 11	17.70	July 16	18.16	Sept. 2	17.85	Nov. 18	17.89
Apr. 9	18.07						

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 204.56 below lsd, Apr. 21, 1952, Apr. 9, 1953; lowest 210.95 below lsd, Mar. 8, 1949. Records available: 1940-53. Jan. 12, 204.86; Apr. 9, 204.56; July 16, 205.28; Sept. 2, 204.58; Nov. 18, 205.01.

122. Mrs. Flora Atwell. NE¼SE¼ sec. 9, T. 33 S., R. 31 W. Drilled domestic and stock water-table well in Meade and Ogallala formations, diameter 5 inches, depth 213 feet. Highest water level 198.26 below lsd, Mar. 11, 1953; lowest 205.76 below lsd, Oct. 21, 1947. Records available: 1940-53.

Jan. 12	201.11	Apr. 9	199.94	July 16	199.58	Oct. 8	200.40
Feb. 25	199.71	May 25	199.67	Aug. 10	199.71	Nov. 18	199.25
Mar. 11	198.26	June 11	199.63	Sept. 2	199.13	Dec. 7	200.91

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: 1950-53. Jan. 2, 120.29; Feb. 25, 119.70; Mar. 11, 119.70; Apr. 9, 120.24; May 25, 120.53; Dec. 7, 121.35.

34-33-20aa. L. W. Stevesson. SE¼NE¼ sec. 20, T. 34 S., R. 33 W. Drilled unused stock well, diameter 4 inches, depth 118 feet. Highest water level 104.69 below lsd, Sept. 2, 1953; lowest 105.85 below lsd, Dec. 7, 1953. Records available: 1953. July 30, 104.76; Sept. 2, 104.69; Oct. 8, 104.84; Nov. 18, 104.78; Dec. 7, 105.85.

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 27.57 below lsd, Dec. 31, 1953. Records available: 1950-53.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25.52	25.84	26.02	26.16	26.26	26.33	26.55	26.77	26.97	27.13	27.27	27.39
2	25.53	25.84	26.03	26.17	26.27	26.33	26.56	26.78	26.97	27.15	27.27	27.39
3	25.54	25.85	26.04	26.18	26.28	26.33	26.57	26.79	26.98	27.15	27.27	27.39
4	25.55	25.86	26.05	26.19	26.29	26.32	26.58	26.80	26.98	27.15	27.28	27.40
5	25.56	25.87	26.06	26.18	26.29	26.31	26.58	26.80	26.98	27.15	27.28	27.41

11-15-16c--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	25.57	25.88	26.07	26.17	26.29	26.31	26.58	26.80	26.98	27.15	27.28	27.42
7	25.59	25.89	26.08	26.17	26.29	26.31	26.59	26.81	26.99	27.16	27.28	27.43
8	25.59	25.90	26.09	26.17	26.31	26.31	26.59	26.82	26.99	27.17	27.28	27.43
9	25.61	25.90	26.10	26.17	26.32	26.33	26.60	26.82	27.00	27.17	27.28	27.43
10	25.63	25.91	26.10	26.17	26.32	26.34	26.61	26.83	27.00	27.17	27.28	27.44
11	25.64	25.91	26.10	26.17	26.33	26.35	26.63	26.83	27.01	27.17	27.28	27.45
12	25.65	25.92	26.10	26.17	26.35	26.36	26.64	26.84	27.02	27.18	27.28	27.47
13	25.65	25.93	26.10	26.17	26.36	26.36	26.64	26.84	27.03	27.17	27.29	27.47
14	25.66	25.94	26.10	26.17	26.36	26.37	26.64	26.85	27.03	27.18	27.29	27.47
15	25.67	25.95	26.10	26.18	26.36	26.39	26.65	26.86	27.04	27.19	27.29	27.47
16	25.69	25.96	26.09	26.18	26.37	26.39	26.66	26.86	27.04	27.20	27.30	27.49
17	25.70	25.97	26.09	26.18	26.37	26.40	26.67	26.86	27.05	27.19	27.30	27.49
18	25.71	25.98	26.10	26.19	26.37	26.40	26.67	26.87	27.05	27.20	27.30	27.50
19	25.72	25.98	26.12	26.21	26.37	26.40	26.68	26.88	27.06	27.21	27.31	27.50
20	25.73	25.96	26.11	26.21	26.37	26.42	26.69	26.89	27.07	27.21	27.31	27.50
21	25.74	25.98	26.12	26.21	26.37	26.43	26.69	26.90	27.07	27.22	27.32	27.51
22	25.74	26.00	26.12	26.22	26.37	26.45	26.69	26.90	27.08	27.22	27.33	27.52
23	25.75	26.01	26.13	26.22	26.37	26.47	26.70	26.90	27.08	27.22	27.33	27.52
24	25.76	26.01	26.13	26.23	26.36	26.48	26.71	26.91	27.09	27.23	27.34	27.52
25	25.77	26.01	26.14	26.23	26.35	26.49	26.72	26.92	27.09	27.23	27.34	27.52
26	25.79	26.01	26.15	26.24	26.35	26.51	26.73	26.92	27.10	27.24	27.36	27.54
27	25.79	26.02	26.15	26.24	26.35	26.52	26.73	26.93	27.11	27.25	27.36	27.54
28	25.80	26.03	26.15	26.24	26.33	26.52	26.73	26.94	27.11	27.25	27.37	27.55
29	25.81		26.15	26.24	26.33	26.53	26.74	26.95	27.12	27.25	27.37	27.56
30	25.82		26.15	26.25	26.33	26.54	26.76	26.95	27.13	27.25	27.37	27.56
31	25.82		26.16		26.33		26.77	26.96		27.26		27.57

11-16-5bc. C. C. Busey. Dug unused water-table well in White Cloud 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. No measurement made in 1953.

Sheridan County

7-28-28dd. Owner unknown. SE¼SE¼ sec. 28, T. 7 S., R. 28 W. Drilled unused observation well in Ogallala formation, diameter 6 inches, depth 118 feet. Highest water level 108.24 below lsd, Nov. 23, 1953; lowest 108.41 below lsd, Feb. 16, 1953. Records available: 1952-53. Aug. 12, 1952, 108.29; Jan. 5, 1953, 108.28; Feb. 16, 108.41; May 11, 108.33; Aug. 4, 108.31; Nov. 23, 108.24.

8-26-17cb. Owner unknown. NW¼SW¼ sec. 17, T. 8 S., R. 26 W. Drilled unused observation well in Ogallala formation, diameter 5 inches, depth 55 feet. Highest water level 47.41 below lsd, May 11, 1953; lowest 48.47 below lsd, Aug. 12, 1952. Records available: 1952-53. Aug. 12, 1952, 48.47; Jan. 5, 1953, 47.84; Feb. 16, 47.66; May 11, 47.41; Aug. 4, 48.03.

8-28-33dc. School District. SW¼SE¼ sec. 33, T. 8 S., R. 28 W. Drilled unused school well in Ogallala formation, diameter 8 inches, depth 56 feet. Highest water level 48.35 below lsd, Aug. 7, 1952; lowest 50.08 below lsd, Nov. 23, 1953. Records available: 1952-53. Aug. 7, 1952, 48.35; Jan. 5, 1953, 48.92; Feb. 16, 49.03; May 11, 49.02; Aug. 4, 49.55; Nov. 23, 50.08.

Sherman County

8-37-28abb. Albert Vohs. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 125 feet. Highest water level 107.11 below lsd, Apr. 21, 1953; lowest 107.85 below lsd, Jan. 6, 1949. Records available: 1948-53. Jan. 20, 107.14; Apr. 21, 107.11; July 8, 107.14; Oct. 13, 107.18.

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 154.12 below lsd, Oct. 13, 1953. Records available: 1950-53. Jan. 20, 148.58; Apr. 21, 148.15; July 8, 153.43; Oct. 13, 154.12.

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: 1948-53. Jan. 20, 136.27; Apr. 21, 135.54; July 8, 136.15; Oct. 14, 136.67.

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: 1948-53. Jan. 20, 117.99; Apr. 22, 118.18; July 9, 118.16; Oct. 14, 118.17.

Smith County

4-14-34bc. Laura Davis. Dug stock and 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: 1945-53. Mar. 15, 42.48; May 18, 42.55; Nov. 17, 44.65.

4-15-31bb. Wilbur Lala. Drilled stock and 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: 1945-53. Mar. 15, 31.53; May 18, 31.60; Nov. 17, 31.99.

4-15-35bc. H. R. Dannenburg. Dug stock and observation water-table well in terrace gravel, diameter 4 feet, depth 40 feet, cribbed with rock. Highest water level 10.18 below lsd, July 24, 1951; lowest 37.99 below lsd, June 12, 1946. Records available: 1945-51. Measurement discontinued.

5-13-4dc. Roy Eller. Dug domestic and 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: 1945-53. Mar. 15, 13.50; May 18, 13.95; Nov. 17, 17.65.

5-13-25cc. Zelma Carter. Drilled domestic and observation water-table well in terrace sand and gravel, diameter 10 inches, depth 52 feet. Highest water level 37.70 below lsd, Dec. 11, 1952; lowest 46.53 below lsd, Jan. 28, 1946. Records available: 1945-53. Mar. 16, 37.88.

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: 1945-53. Mar. 15, 18.38; May 18, 18.99; Nov. 17, 20.29.

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: 1945-53. Mar. 15, 25.93; May 18, 26.36; Nov. 17, 26.86.

Stafford County

19. Atlantic Refining Co. $SE\frac{1}{4}SE\frac{1}{4}$ 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 11.04 below lsd, Aug. 1, 1942. Records available: 1942-53. Apr. 14, 2.11; May 13, 2.37; June 17, 3.36; July 20, 2.80; Aug. 12, 3.10; Nov. 9, 4.28; Dec. 14, 2.22.

25-13-3bb. M. L. Halley. $NW\frac{1}{4}NW\frac{1}{4}$ sec. 3, T. 25 S., R. 13 W. 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 13.69 below lsd, Dec. 14, 1953. Records available: 1951-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 16	9.99	June 17	11.00	Sept. 7	12.66	Nov. 9	13.53
Apr. 14	10.02	July 20	11.26	Oct. 19	13.62	Dec. 14	13.69
May 13	10.42	Aug. 12	11.98				

Stanton County

13. Leah Carrithers. $NE\frac{1}{4}SE\frac{1}{4}$ 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: 1939-53. May 26, 44.10.

93. J. Plummer. $NE\frac{1}{4}$ 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 173.32 below lsd, Aug. 11, 1953; lowest 180.65 below lsd, Nov. 16, 1949. Records available: 1939-53. Feb. 26, 173.41; Aug. 11, 173.32.

Stevens County

12. Mack Greenwood. $NW\frac{1}{4}NE\frac{1}{4}$ sec. 28, T. 33 S., R. 38 W. Drilled unused water-table well in Rexroad and/or Meade formation, diameter 4 inches, depth 153 feet. Highest water level 103.18 below lsd, Aug. 10, 1953; lowest 113.38 below lsd, July 28, 1942. Records available: 1942-53. Feb. 25, 103.82; May 25, 103.28; Aug. 10, 103.18; Nov. 18, 103.35.

33-36-26dd. R. Heger. SE¼SE¼ sec. 26, T. 33 S., R. 36 W. Drilled unused irrigation well, diameter 16 inches, depth 360 feet. Highest water level 24.29 below lsd, Oct. 1, 1952; lowest 130.95 below lsd, Sept. 29, 1942. Records available: 1942, 1952-53. Sept. 29, 1942, 130.95; Oct. 1, 1952, 24.29; Nov. 18, 1953, 121.71.

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: 1942-53. Jan. 20, 124.07; Apr. 21, 124.64; July 8, 110.85; Oct. 13, 125.34.

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 110.07 below lsd, Oct. 14, 1952; lowest 117.55 below lsd, Oct. 13, 1948. Records available: 1942-53. Jan. 21, 110.50; Apr. 21, 110.40; July 8, 110.55; Oct. 13, 111.94.

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 115.34 below lsd, July 25, 1950; lowest 121.30 below lsd, Apr. 14, 1949. Records available: 1942-52. No measurement made in 1953.

8-34-2aa. U. S. Dept. of Agriculture and Kansas Agricultural Experiment Station. NE¼ sec. 2, T. 8 S., R. 34 W. Drilled unused water-table well, depth 160 feet. Highest water level 112.43 below lsd, Jan. 24, Feb. 21, 1952; lowest 114.65 below lsd, Jan. 27, 1949. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	112.62	Apr. 2	112.95	July 3	113.22	Oct. 1	113.34
8	112.69	9	112.96	9	113.25	8	113.38
15	112.77	16	112.80	16	113.30	15	113.31
22	112.72	23	112.84	23	113.27	22	113.39
29	112.67	30	112.89	30	113.30	29	113.25
Feb. 5	112.74	May 7	112.87	Aug. 6	113.33	Nov. 7	113.35
12	112.79	14	112.86	13	113.28	12	113.21
19	112.75	21	112.89	20	113.20	19	113.15
26	112.73	28	112.95	27	113.28	26	113.12
Mar. 5	112.80	June 4	113.05	Sept. 3	113.35	Dec. 4	113.10
12	112.77	11	113.05	10	113.34	10	112.96
19	112.69	18	113.08	17	113.30	17	112.98
26	112.84	25	113.17	24	113.34	24	112.91

Trego County

14-22-36aa. U. S. Geol. Survey. Drilled observation water-table well in deposits of Pleistocene age, diameter 1¼ inches, depth 74 feet. Highest water level 29.28 below lsd, Feb. 24, 1953; lowest 43.11 below lsd, Mar. 16, 1950. Records available: 1949-53. Feb. 24, 29.28.

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 20.75 below lsd, May 18, 1948. Records available: 1948-53. Jan. 20, 20.21; Feb. 22, 20.22.

13-40-10abb. J. Mumma. Drilled unused water-table well in deposits of Pleistocene age, diameter 24 inches, depth 44 feet. Highest water level 16.08 below lsd, May 18, 1948; lowest 20.29 below lsd, Oct. 14, 1953. Records available: 1948-53. Jan. 20, 19.66; Feb. 22, 19.67; July 9, 19.98; Oct. 14, 20.29.

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 88.50 below lsd, Oct. 13, 1949, Oct. 14, 1953. Records available: 1948-53. Jan. 20, 87.15; Feb. 22, 87.20; July 9, 87.73; Oct. 14, 88.50.

15-40-23bbb. Broadway School District. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 81 feet. Highest water level 75.82 below lsd, Apr. 10, 1952; lowest 78.45 below lsd, Jan. 9, 1951. Records available: 1948-52. Measurement discontinued.

Wichita County

18-35-14bb. A. C. Felt. Drilled domestic and observation water-table well in Ogallala formation, diameter 5 inches, depth 95 feet. Highest water level 81.33 below lsd, Aug. 11, 1949; lowest 83.37 below lsd, Oct. 12, 1949. Records available: 1947-53. Feb. 10, 82.08; Apr. 22, 82.07; June 24, 82.13; Aug. 6, 82.23; Oct. 14, 82.38; Dec. 18, 82.55.

20-36-14dad. Elmer Hartman. Drilled observation water-table well in Ogallala formation, diameter 6 inches, depth 116 feet. Highest water level 94.25 below lsd, June 11, 1952; lowest 97.35 below lsd, Apr. 26, 1950. Records available: 1947-53. Feb. 10, 94.37; Apr. 22, 94.33; June 24, 94.32; Aug. 6, 94.33; Oct. 14, 94.33; Dec. 18, 94.35.

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. No measurement made in 1953.

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, 1950-53. Dec. 30, 38.61.

119. U. S. Geol. Survey. $SE\frac{1}{4}NE\frac{1}{4}NE\frac{1}{4}$ sec. 20, T. 11 S., R. 25 E. Drilled observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 79 feet. Highest water level 18.80 below lsd, Dec. 28, 1951; lowest 35.56 below lsd, Dec. 31, 1948. Records available: 1944-52. Measurement discontinued.

MINNESOTA

By Robert Schneider and G. C. Straka

Scope of Water-Level Program

The observation-well program in Minnesota was continued in 1953 in cooperation with the Division of Waters of the State Department of Conservation and the Board of County Commissioners of Hennepin County. Measurements were made in 26 wells, 10 of which were equipped with recording gages. A report on the water resources of the Minneapolis-St. Paul area was published.[1]

Precipitation

The average precipitation for Minnesota in 1953, as reported by the U. S. Weather Bureau, was 30.68 inches or 5.50 inches above the average. The maximum positive departure from normal (19.58 inches) occurred in the northeast. The wettest month was June and the driest was October.

Interpretation of Water-Level Fluctuations

The following water-table wells attained new high levels as a result of the heavy spring and summer rainfall: Carlton County, B49.17.22cbb, B49.17.23caa, B49.17.27bab; Clay County, 137.45.30cdb1; Hennepin County, 118.23.35aaa2; Morrison County, 130.29.8dcc.

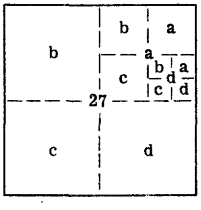
In most of the water-table wells unaffected by pumping there was a net rise as of the end of the year. The maximum rise was 2.44 feet in well 108.30.9add, Brown County.

Acknowledgments

The measurements prior to 1940 in well B29.24.27dba, Hennepin County, were made by A. F. Meyer, Minneapolis. The Hennepin County Highway Department made the measurements in wells B29.24.27dba and 118.23.35aaa2, Hennepin County prior to November 1952, and in well 117.22.8dbb3, Hennepin County prior to 1953. S. O. Hanson, Cloquet, made the measurements in well B49.17.23caa, Carlton County.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first numeral of a well number indicates the township, the second the range, and the third the section in which the well is situated. The lowercase letters, a, b, c, and d, following 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 4th principal meridian and base line system. Well numbers not preceded by a capital letter designate wells in the northwest quadrant of the 5th principal meridian and base line system.



1 Prior, C. H., Schneider, Robert, and Durum, W. H., 1953, Water resources of the Minneapolis-St. Paul area, Minnesota: U. S. Geol. Survey Circ. 274.

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 11.71 below lsd, Nov. 13, 1950. Records available: 1942-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	9.70	Apr. 8	4.53	July 2	4.35	Sept. 24	6.75
13	9.85	16	4.30	8	4.59	30	7.06
21	10.09	21	4.27	14	4.67	Oct. 6	7.42
27	10.36	30	3.20	21	4.96	15	8.03
Feb. 3	10.48	May 5	3.29	29	5.04	22	8.25
11	10.84	12	3.99	Aug. 5	3.22	29	8.50
17	11.13	20	4.04	12	4.10	Nov. 5	8.85
23	11.32	26	2.94	19	4.52	12	8.74
Mar. 3	11.38	June 3	3.79	26	4.85	20	8.75
9	11.59	10	3.05	Sept. 2	5.24	Dec. 16	7.25
16	7.73	17	3.90	9	5.70	23	7.31
25	4.80	25	4.38	16	6.15	31	7.26
Apr. 1	6.95						

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 5.10 below lsd, May 6, July 29, 1952; lowest 10.38 below lsd, Feb. 27, 1949. Records available: 1949-53.

Jan. 1	8.68	Apr. 2	6.02	July 2	5.42	Oct. 2	8.50
7	8.76	10	5.28	10	5.44	8	8.60
15	8.88	17	5.40	17	5.40	13	8.66
22	8.95	23	5.23	23	5.29	17	8.73
29	9.03	30	5.28	31	5.40	26	8.73
Feb. 5	9.06	May 7	5.38	Aug. 7	5.40	Nov. 3	8.86
12	9.13	14	5.39	14	5.40	11	8.95
19	9.18	21	5.34	21	5.45	17	9.04
26	9.22	28	5.34	28	6.20	Dec. 2	8.56
Mar. 6	9.24	June 4	5.29	Sept. 4	6.82	9	8.36
12	9.05	11	5.33	11	7.55	15	8.39
19	8.54	19	5.28	18	8.02	23	8.46
27	7.21	26	5.30	25	8.28	30	8.52

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: 1949-53.

Jan. 3	32.99	Apr. 4	33.99	July 11	33.54	Oct. 10	30.43
10	33.28	11	33.97	18	32.99	17	30.43
17	33.03	18	34.03	25	32.87	24	30.48
24	33.09	25	34.19	Aug. 1	32.07	31	30.57
31	33.12	May 2	34.07	8	31.69	Nov. 7	30.63
Feb. 7	33.12	9	34.23	13	31.57	14	30.66
14	33.09	15	34.43	22	31.31	21	30.71
21	33.12	29	34.35	29	31.26	28	30.74
28	33.29	June 6	34.23	Sept. 5	30.81	Dec. 5	30.76
Mar. 6	33.33	13	34.26	12	30.79	11	30.80
14	33.42	20	34.23	19	30.60	18	30.82
21	33.44	27	34.17	26	30.58	26	30.91
28	33.81	July 2	33.59	Oct. 3	30.45		

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: 1948-53.

Jan. 5	7.81	Mar. 23	6.84	May 4	7.06	June 8	5.94
13	7.92	30	7.08	11	6.78	22	5.67
19	8.20	Apr. 6	6.95	19	6.97	29	5.79
26	8.03	13	6.96	25	6.36	July 6	5.16
Mar. 9	8.46	26	6.90	June 1	6.10	13	4.97

B49.17.23caa--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 20	5.02	Sept. 8	5.10	Oct. 19	5.68	Nov. 23	5.69
27	4.97	14	5.17	26	5.80	30	6.05
Aug. 17	4.66	28	5.30	Nov. 2	5.80	Dec. 7	6.10
24	4.80	Oct. 5	5.46	9	5.99	14	6.27
31	4.92	12	5.60				

B49.17.27bab. Marge Bodway. Drilled unused water-table well in glacial drift, diameter 4 inches, depth 52 feet. Highest water level 33.13 below lsd, Oct. 3, 1953; lowest 40.47 below lsd, Apr. 15, 1950. Records available: 1948-53. Measurement discontinued.

Jan. 3	35.62	Mar. 12	35.36	May 21	36.85	Aug. 1	34.62
10	35.20	20	35.39	29	36.69	6	34.13
15	35.23	27	36.31	June 4	36.61	15	34.06
22	35.21	Apr. 2	36.71	13	36.36	20	33.91
29	35.23	9	36.69	18	36.32	29	33.83
Feb. 5	35.23	15	36.72	25	36.28	Sept. 3	33.36
12	35.26	23	36.91	July 2	36.15	10	33.32
19	35.23	May 2	36.76	11	35.49	17	33.30
25	35.27	7	36.92	18	34.99	24	33.23
Mar. 4	35.24	15	36.99	23	34.56	Oct. 3	33.13

B49.17.28adc. James, Alfred, and Laura Jolicoeur. Drilled unused water-table well in glacial drift, diameter 1 inch, depth 15 feet. Highest water level 2.16 below lsd, July 26, 1952; lowest 3.89 below lsd, Sept. 9, 1949. Records available: 1949-53. Measurement discontinued.

Jan. 3	2.92	Mar. 12	2.92	May 22	2.88	Aug. 1	2.64
10	2.96	20	2.94	29	2.81	6	2.60
17	2.96	27	2.92	June 4	2.82	15	2.61
24	2.95	Apr. 4	2.94	13	2.79	20	2.64
31	2.92	9	2.89	18	2.74	29	2.71
Feb. 6	2.97	15	2.93	26	2.77	Sept. 3	2.74
13	2.95	23	2.91	July 2	2.69	10	2.76
20	2.92	May 2	2.89	11	2.72	19	2.79
27	2.99	9	2.94	18	2.59	24	2.76
Mar. 6	2.96	15	2.96	23	2.59	Oct. 1	2.72

Carver County

116.23.2aba. Hennepin County Highway Department. Drilled artesian well in sandstones of Upper Cambrian and Lower Ordovician age, diameter 24 inches, depth 473 feet, cased to 191. Highest water level 46.30 below lsd, Dec. 28, 1953; lowest 48.07 below lsd, Sept. 21, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 18, 1952	46.73	Mar. 3, 1953	46.44	June 15, 1953	46.84	Sept. 21, 1953	48.07
25	46.97	10	46.55	22	47.27	28	47.38
Dec. 3	46.84	17	46.49	29	47.04	Oct. 5	47.54
9	46.55	24	46.46	July 6	47.13	12	47.59
15	46.66	31	46.52	13	47.47	19	47.45
22	46.67	Apr. 7	46.44	20	47.40	26	47.41
29	46.49	14	46.42	27	47.40	Nov. 2	46.99
Jan. 5, 1953	46.63	21	46.39	Aug. 3	46.93	9	47.24
9	46.77	27	46.63	10	46.91	16	47.00
19	46.50	May 4	46.86	17	47.10	23	46.47
27	46.61	11	46.55	24	47.05	30	47.18
Feb. 3	46.58	18	46.76	31	47.70	Dec. 7	46.72
10	46.75	25	46.65	Sept. 4	47.79	14	46.84
17	46.72	June 1	47.10	8	47.98	21	46.70
24	46.73	8	46.74	14	47.74	28	46.30

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: 1949-53.

137.45.30cdb1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	6.68	Apr. 4	6.32	July 3	4.39	Oct. 3	6.45
10	6.73	11	6.08	11	4.96	10	6.61
17	6.68	18	5.78	18	5.24	17	6.66
26	6.76	25	5.92	25	6.44	24	6.66
31	6.78	May 2	5.76	Aug. 1	5.64	31	6.72
Feb. 7	6.86	9	5.66	8	5.68	Nov. 7	6.74
14	6.86	16	5.29	15	5.77	14	6.72
21	6.84	23	4.76	22	5.88	21	6.61
28	6.88	31	3.79	29	6.02	28	6.64
Mar. 7	6.88	June 6	4.28	Sept. 5	6.26	Dec. 5	6.63
14	6.66	13	3.88	12	6.29	12	6.48
21	6.45	20	3.16	19	6.38	19	6.55
28	6.38	27	3.88	26	6.36	26	6.61

139.45.1ccd2. Village of Hawley. Drilled unused water-table well in glacial drift, diamete 10 inches, depth 122 feet. Highest water level 12.73 below lsd, Apr. 12, 1952; lowest 18.48 belo lsd, July 22-23, 1950. Records available: 1949-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	16.30	16.39	14.97	15.32	15.36	15.30	15.8	15.90	16.29	16.13	16.04
2	.....	16.82	16.94	14.95	15.27	15.29	15.23	15.0	15.92	16.55	16.33	16.15
3	.....	16.88	16.82	14.75	15.01	15.32	15.34	15.01	15.96	16.32	16.37	16.00
4	.....	16.70	16.97	14.98	15.75	15.46	15.02	14.61	15.87	16.25	16.32	16.22
5	.....	16.73	16.72	14.42	15.78	15.33	15.02	14.62	15.94	16.51	16.23	16.07
6	.....	16.81	16.90	14.99	15.89	15.32	15.71	14.53	15.58	16.39	16.38	15.79
7	.....	16.77	16.79	14.71	15.56	15.41	15.45	14.56	15.70	16.60	16.63	16.10
8	.....	16.36	16.43	14.77	16.22	16.17	15.59	14.54	16.12	16.57	16.27	15.98
9	.....	17.00	16.97	14.51	16.29	15.97	15.59	14.31	16.31	16.73	16.42	16.07
10	.....	16.60	16.71	14.57	15.28	16.21	15.92	14.92	16.20	16.78	16.25	16.03
11	.....	16.80	16.30	14.37	15.51	16.08	15.94	14.80	16.35	16.27	16.40	16.37
12	.....	16.58	16.03	14.10	15.41	15.74	15.18	14.93	16.51	16.65	16.29	16.08
13	.....	16.71	16.06	14.77	16.62	15.86	16.06	14.98	16.36	16.73	16.38	15.79
14	.....	16.83	16.30	14.73	15.49	15.18	15.83	15.04	16.25	16.77	16.32	16.19
15	16.67	16.30	15.76	14.87	15.55	15.65	15.96	15.32	16.07	16.55	16.02	16.13
16	16.76	16.77	16.27	14.87	15.56	14.62	16.00	14.96	16.24	16.89	16.27	16.15
17	16.67	16.79	16.01	15.13	15.13	14.03	15.93	15.35	16.20	16.61	16.45	16.27
18	16.38	16.96	16.09	15.25	15.76	14.34	16.04	15.40	16.39	16.15	16.29	16.12
19	16.90	16.91	15.73	14.67	15.66	14.54	15.61	15.69	16.35	16.44	16.23	16.30
20	16.72	16.86	15.71	15.51	15.56	14.64	16.16	15.62	15.95	16.43	16.31	15.86
21	16.78	16.86	15.57	15.07	15.16	14.29	15.98	15.77	16.27	16.43	16.46	16.37
22	16.71	16.51	14.99	15.31	15.20	14.89	16.00	15.75	16.20	16.21	16.09	16.10
23	16.79	16.94	14.97	15.02	15.12	14.77	16.18	15.35	16.50	16.23	16.16	16.31
24	16.67	16.88	14.69	15.30	14.77	14.96	16.06	16.01	16.44	16.29	16.02	16.43
25	16.33	16.91	14.77	15.15	15.28	14.92	16.15	15.85	16.38	15.98	16.25	15.92
26	16.92	16.80	14.77	14.63	15.26	15.04	15.81	16.10	16.33	16.62	15.88	16.05
27	16.74	16.87	14.76	15.22	15.38	15.20	16.43	16.45	16.06	16.82	16.27	15.97
28	16.71	16.86	14.58	15.16	15.28	14.74	16.38	15.97	16.39	16.81	16.31	16.23
29	16.71		14.29	.....	15.20	15.47	16.82	15.74	16.28	16.78	15.94	16.05
30	16.81		14.90	15.23	15.12	15.29	16.66	15.50	16.55	16.81	16.11	16.31
31	16.73		14.89		14.78		16.31	16.05		16.66		16.37

139.47.5cdc. City of Moorhead. Drilled test and 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 24.38 below lsd, Aug. 21, 1952. Records available: 1947-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.10	23.2	23.29	23.47	23.41	23.61	23.25	24.17	23.54	23.37	23.13	23.19
2	23.06	23.17	23.28	23.37	23.40	23.55	23.27	23.82	23.52	23.41	h23.12	23.17
3	23.09	23.3	23.37	23.41	23.37	23.61	23.37	23.55	23.43	23.44	23.22	23.21
4	23.06	23.17	23.37	23.39	23.42	23.58	23.32	23.70	23.30	23.37	23.15	23.24
5	23.10	23.3	23.42	23.35	23.59	23.61	23.22	23.60	23.28	23.32	23.18	23.23
6	23.10	23.3	23.38	23.35	23.64	.....	23.22	23.58	23.16	23.25	23.15	23.14
7	23.17	23.3	23.39	23.42	23.73	h23.21	23.26	23.48	23.28	23.32	23.25	23.25
8	23.14	23.13	23.26	23.41	23.90	23.48	23.26	23.39	23.35	23.26	23.15	23.27
9	23.19	23.24	23.37	23.41	23.72	23.60	23.28	23.31	23.40	23.42	23.19	23.27
10	23.16	23.19	23.36	23.42	23.66	23.60	23.28	23.27	23.39	23.32	23.27	23.34

139.47.5cdc--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	23.06	23.24	23.38	23.43	23.65	23.74	23.36	23.39	23.40	23.38	23.30	23.34
12	23.11	23.24	23.40	23.40	23.57	23.78	23.37	23.44	23.32	23.32	23.27	23.34
13	23.20	23.3	23.48	23.36	23.60	23.81	23.36	23.44	23.28	23.43	23.30	23.36
14	23.18	23.26	23.38	23.41	23.59	23.80	23.36	23.42	23.26	23.45	23.27	23.30
15	23.21	23.30	23.36	23.42	23.66	23.64	23.53	23.46	23.30	23.36	23.30	23.37
16	23.12	23.30	23.37	23.39	23.61	23.59	23.66	23.30	23.30	23.34	23.27	23.36
17	23.18	23.36	23.50	23.45	23.60	23.50	23.66	23.42	23.49	23.34	23.32	23.36
18	23.08	23.39	23.45	23.42	23.58	23.39	23.69	23.39	23.53	23.34	23.30	23.32
19	23.19	23.39	23.48	23.30	23.75	23.40	23.73	23.41	23.52	23.33	23.30	23.35
20	23.12	23.36	23.40	23.33	23.59	23.30	h23.67	23.40	23.42	23.33	23.21	23.27
21	23.19	23.33	23.41	23.43	23.70	23.18	23.77	23.46	23.55	23.37	23.30	23.38
22	23.16	23.31	23.42	23.49	23.64	23.17	23.69	23.42	23.60	23.36	h23.07	23.35
23	23.24	23.35	23.44	23.60	h23.22	23.18	23.77	23.40	23.62	23.34	.....	23.39
24	23.15	23.34	23.42	23.50	.....	23.18	23.68	23.30	23.62	23.25	.....	23.34
25	23.10	23.37	23.46	23.46	.....	23.23	23.80	23.48	23.57	23.20	.....	23.36
26	23.10	23.34	23.43	23.38	.....	23.18	23.80	23.56	23.50	23.23	.....	23.27
27	23.19	23.40	23.51	23.43	.....	23.21	23.86	23.61	h23.27	23.22	.....	23.32
28	23.15	23.40	23.42	23.39	.....	23.06	24.00	23.53	23.51	23.20	.....	23.28
29	23.21		23.36	23.43	.....	23.20	24.08	23.52	23.49	23.21	h23.02	23.39
30	23.16		23.41	23.36	h23.52	23.18	24.16	23.41	23.49	23.21	23.18	23.38
31	23.2		23.47		23.69		24.17	23.41		23.19		23.46

h Tape measurement.

139.47.6aaa. U. S. Geol. Survey. Drilled test and 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 22.19 below lsd, May 23, 1953. Records available: 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	21.84	Apr. 4	22.07	July 5	21.43	Oct. 4	21.64
10	21.86	11	22.08	12	21.40	11	21.65
17	21.88	18	22.10	20	21.40	18	21.68
24	21.79	25	21.77	26	21.46	25	21.72
31	21.82	May 2	22.12	Aug. 3	21.44	Nov. 2	21.76
Feb. 7	21.89	9	22.16	9	21.55	9	21.75
14	21.93	16	22.18	16	21.54	15	21.79
21	21.57	23	22.19	23	21.52	22	21.82
28	21.98	30	22.18	30	21.48	29	21.84
Mar. 7	22.02	June 7	22.06	Sept. 6	21.51	Dec. 6	21.87
14	22.03	14	22.06	12	21.52	13	21.88
21	22.04	21	21.77	19	21.54	20	21.92
28	22.06	28	21.52	27	21.60	27	21.73

139.48.4dcc1. City of Moorhead. Drilled unused artesian well in glacial sand, diameter 20 inches, depth 242 feet. Highest water level 165.19 below lsd, Mar. 21, 1953; lowest 187.50 below lsd, Aug. 29, 1948. Records available: 1947-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	167.33	167.33	167.07	166.61	166.11	.....	166.98	167.87	168.39	168.7	168.83	167.97
2	167.40	166.83	166.88	166.78	h165.75	.....	167.33	167.28	168.26	168.8	168.57	168.37
3	167.31	166.93	166.53	166.39	166.41	.....	167.18	h167.27	168.07	169.2	169.17	167.88
4	167.12	166.92	166.52	166.50	.....	.....	167.17	167.77	168.09	169.1	169.45	167.87
5	167.27	166.66	167.08	166.56	.....	.....	166.99	167.31	167.95	169.28	169.06	168.21
6	167.28	166.70	167.17	166.17	.....	.....	167.31	167.56	167.79	169.02	169.18	167.73
7	167.26	166.95	167.13	166.41	.....	h165.98	167.20	167.47	167.83	168.63	169.19	168.28
8	167.26	166.96	166.95	166.42	.....	.....	167.33	167.79	168.15	168.94	169.19	168.31
9	167.45	167.46	166.83	166.42	h166.25	.....	167.35	167.26	168.35	168.77	168.83	168.14
10	167.42	167.44	166.82	166.39	.....	.....	167.49	167.50	168.30	168.87	168.63	167.81
11	167.36	166.84	166.62	166.62	166.46	.....	167.15	167.70	168.40	168.86	168.87	168.30
12	166.89	166.92	166.78	166.63	166.92	.....	166.8	167.63	168.58	168.78	168.74	168.04
13	167.33	166.58	167.02	166.38	166.81	.....	167.5	167.52	168.18	168.87	168.52	168.16
14	167.37	166.58	166.43	166.33	166.81	h166.49	167.8	167.82	168.05	169.19	168.52	168.31
15	167.79	166.93	166.75	166.36	166.38	166.47	168.0	167.60	168.23	169.10	167.92	168.57
16	167.45	166.96	166.75	166.36	166.54	167.11	168.1	167.68	168.16	168.96	168.34	168.85
17	166.80	166.96	166.53	166.63	166.58	167.09	168.1	167.89	168.31	169.03	168.20	168.85
18	166.87	166.99	166.38	166.66	166.73	166.85	167.6	168.17	168.41	169.00	168.50	168.12
19	167.18	167.21	166.57	166.71	166.47	166.62	167.5	168.25	168.08	169.14	168.58	167.60
20	167.28	167.21	166.54	166.66	166.38	166.67	h167.41	168.34	168.23	169.15	168.50	167.48

139. 48. 4dcc1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	167. 09	167. 11	166. 04	166. 07	166. 52	166. 73	167. 55	168. 47	168. 83	169. 15	168. 08	168. 45
22	167. 47	166. 72	165. 97	166. 03	166. 83	167. 18	167. 46	168. 55	168. 61	169. 22	167. 61	168. 47
23	167. 04	167. 10	166. 30	166. 43	166. 8	166. 78	167. 32	168. 48	168. 60	169. 41	167. 88	168. 10
24	167. 17	167. 11	166. 59	166. 43	166. 4	166. 52	167. 35	167. 92	168. 66	169. 16	168. 32	167. 57
25	167. 12	166. 71	.....	166. 36	166. 6	166. 62	167. 65	168. 18	168. 51	168. 50	168. 55	167. 63
26	167. 02	166. 30	.....	166. 37	166. 9	166. 98	167. 65	168. 26	168. 27	169. 00	168. 22	167. 66
27	167. 2	166. 77	.....	166. 28	167. 0	166. 85	167. 44	168. 31h	167. 54	168. 85	168. 38	167. 67
28	167. 2	167. 05h	166. 63	166. 20	166. 9	166. 80	167. 78	168. 21	168. 3	168. 93	168. 21	167. 50
29	167. 0		166. 52	166. 11	166. 5	166. 92	168. 05	168. 11	168. 4	168. 72	168. 14	168. 08
30	166. 7		166. 42	166. 07h	165. 83	167. 13	168. 12	168. 05	168. 8	168. 92	168. 45	168. 14
31	167. 22		166. 65		.....		168. 07	168. 03		169. 06		167. 59

h Tape measurement.

Dakota County

B28. 22. 22bdd1. Chicago & Great Western Railway 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: 1951-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15. 73	16. 20	.....	15. 59	16. 13	15. 17	.....	15. 57	15. 82	16. 94	15. 83	15. 71
2	16. 35	16. 83	.....	15. 84	15. 42	15. 23	.....	15. 30	16. 04	17. 34	16. 31	15. 97
3	16. 15	17. 02	h16. 72	15. 73	15. 10	15. 07	.....	15. 34	16. 06	16. 96	16. 55	15. 99
4	15. 92	17. 03	17. 23	15. 10	15. 74	15. 23	.....	15. 23	15. 99	16. 61	16. 66	16. 07
5	16. 56	17. 12	17. 41	14. 83	15. 75	15. 24	.....	15. 10	15. 56	17. 21	16. 58	15. 97
6	16. 77	17. 21	17. 57	15. 48	15. 69	14. 86	h13. 58	14. 90	15. 33	17. 25	16. 67	15. 66
7	16. 95	16. 60	16. 98	15. 83	15. 81	14. 61	h13. 95	14. 51	15. 49	17. 30	16. 51	15. 83
8	17. 01	16. 30	16. 38	15. 69	15. 93	14. 99	14. 72	13. 88	15. 96	17. 00	15. 86	16. 04
9	16. 95	16. 95	17. 03	15. 72	15. 42	15. 30	15. 04	13. 41	16. 21	17. 06	16. 28	16. 09
10	16. 46	17. 09	17. 24	15. 72	15. 20	15. 10	.....	13. 80	16. 32	16. 92	16. 47	16. 03
11	16. 06	17. 16	17. 35	15. 18	15. 57	15. 33	.....	13. 68	16. 14	16. 34	15. 82	16. 09
12	16. 76	17. 27	17. 41	14. 65	15. 78	15. 76	.....	13. 65	15. 62	16. 85	16. 41	15. 91
13	16. 89	17. 20	17. 43	15. 44	15. 74	15. 25	.....	13. 56	15. 31	17. 01	16. 60	15. 51
14	16. 96	16. 55	16. 95	15. 77	15. 83	14. 39	.....	13. 36	15. 68	17. 13	16. 50	15. 86
15	17. 10	16. 35	16. 35	15. 68	15. 84	.....	.....	12. 77	15. 97	17. 11	15. 73	16. 06
16	17. 00	17. 01	17. 08	15. 77	15. 50	.....	.....	12. 58	16. 10	17. 04	16. 31	16. 03
17	16. 37	17. 22	17. 37	15. 63	15. 36	.....	.....	13. 04	16. 11	16. 52	16. 52	16. 03
18	16. 05	17. 32	17. 43	15. 13	16. 00	.....	.....	13. 27	16. 34	16. 26	16. 70	15. 87
19	16. 82	17. 34	17. 45	14. 84	16. 25	.....	.....	13. 37	16. 11	16. 81	16. 77	15. 64
20	16. 97	17. 17	17. 27	15. 62	16. 16	.....	.....	13. 56	15. 70	17. 01	16. 72	15. 46
21	17. 07	16. 95	16. 70	16. 03	16. 11	.....	.....	13. 87	16. 19	17. 07	16. 18	15. 77
22	17. 14	16. 27	16. 03	16. 21	16. 10	.....	h15. 07	13. 77	16. 30	17. 03	15. 69	16. 02
23	17. 02	16. 28	16. 43	16. 41	15. 43	.....	15. 66	13. 80	16. 29	16. 96	16. 37	16. 00
24	16. 57	17. 06	16. 35	16. 38	15. 09	.....	15. 70	14. 37	16. 58	16. 45	16. 62	15. 83
25	16. 04	17. 22	16. 26	15. 59	15. 64	.....	15. 32	15. 11	16. 56	15. 73	16. 16	15. 45
26	16. 75	17. 35	16. 11	15. 43	15. 90	.....	14. 99	15. 44	16. 14	16. 35	15. 59	15. 29
27	16. 98	h17. 13	16. 01	16. 05	15. 81	.....	15. 68	15. 82	15. 60	16. 55	15. 76	15. 18
28	17. 13	.....	15. 10	16. 43	15. 49	.....	15. 78	16. 02	16. 25	16. 64	15. 52	15. 67
29	17. 12		14. 64	16. 41	15. 21	.....	15. 87	15. 46	16. 57	16. 73	15. 23	16. 03
30	17. 10		15. 29	16. 14	14. 67	.....	15. 90	15. 24	16. 85	16. 77	15. 58	15. 98
31	16. 50		15. 49		14. 46		16. 03	15. 50		16. 45		15. 94

h Tape measurement.

Hennepin County

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 118. 1 below lsd, June 18, Sept. 2, 1953. Records available: 1952-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	92. 4	95. 8	92. 2	92. 3	94. 9	98. 1	112. 2	114. 2	117. 2	109. 2	.....	100. 4
2	91. 7	94. 9	94. 3	92. 6	91. 8	102. 0	113. 8	110. 1	118. 1	110. 8	.....	102. 8
3	91. 4	100. 2	.....	92. 7	88. 3	102. 9	112. 3	111. 9	117. 7	108. 1	107. 4	103. 4
4	91. 2	98. 7	.....	90. 7	90. 8	104. 4	102. 9	115. 9	116. 2	.....	107. 8	103. 0
5	93. 5	99. 4	.....	86. 1	93. 7	103. 2	.....	116. 2	112. 2	.....	107. 2	.....

B29.23.30bda1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	96.8	99.2	.....	88.5	95.3	102.6	.....	115.9	106.2	107.6	106.0	.....
7	98.3	98.2	96.8	92.1	99.1	96.3	.....	.....	102.2	108.5	104.1	.....
8	100.7	94.8	92.9	92.8	100.8	103.4	105.7	.....	109.0	108.5	97.7	102.7
9	100.1	95.6	99.1	93.2	98.3	105.6	105.5	.....	112.3	108.1	99.2	101.5
10	98.5	99.6	102.0	93.2	94.2	111.4	106.0	.....	113.9	.....	102.5	101.2
11	95.5	101.3	104.0	91.6	95.6	115.0	104.3	.....	114.0	.....	104.0	102.3
12	98.1	101.3	103.8	88.3	95.4	115.2	100.3	116.2	.....	.....	.....	.....
13	100.2	99.7	102.1	91.1	94.7	114.1	105.9	116.2	.....	107.8	.....	.....
14	100.7	99.1	100.4	93.2	95.3	109.3	108.2	.....	.....	109.6	.....	.....
15	101.0	96.8	94.5	93.8	95.0	114.6	111.0	.....	110.6	110.9	.....	101.9
16	100.9	94.6	96.0	94.2	93.3	113.5	111.2	.....	112.2	110.0	.....	101.9
17	98.7	97.0	100.8	94.8	90.6	116.7	113.2	.....	111.0	108.5	102.5	101.9
18	95.3	98.1	98.8	92.3	91.4	118.1	111.7	115.2	111.0	102.2	103.3	101.4
19	92.2	98.6	92.2	89.9	97.2	116.6	109.3	.....	108.6	107.6	.....	99.4
20	96.2	97.6	92.5	89.7	99.0	114.1	109.7	.....	105.8	109.0	.....	93.2
21	99.2	95.3	90.2	92.3	98.5	108.7	112.2	.....	106.3	110.5	.....	98.2
22	101.7	93.8	88.1	93.9	96.3	113.6	112.7	.....	108.3	102.4	.....	100.7
23	100.2	94.4	88.3	95.0	94.8	112.4	112.7	.....	109.1	109.2	.....	99.7
24	97.7	97.3	91.2	96.3	90.8	113.7	112.2	.....	109.3	107.0	100.9	97.7
25	95.2	.....	92.3	93.0	96.1	114.7	110.7	.....	110.5	100.9	103.4	85.7
26	94.6	.....	93.4	90.0	99.6	114.9	108.7	.....	107.7	103.0	99.2	85.2
27	99.2	.....	92.9	90.8	100.7	110.6	109.2	.....	102.8	105.9	100.9	85.2
28	101.2	97.3	91.2	93.8	101.3	102.3	112.6	.....	106.3	107.3	.....	94.1
29	101.2		92.6	94.8	102.3	106.4	114.6	.....	108.2	107.3	.....	99.2
30	101.0		88.2	94.9	100.7	110.1	114.7	.....	109.3	108.2	.....	100.7
31	98.6		91.3		93.1		115.0	.....		106.0		98.7

B29.24.23cda1. American Bag Co. 109 Portland Ave., Minneapolis. Drilled unused artesian well in St. Peter sandstone, diameter 4 inches, depth 226 feet, reported cased to 162. Records available: 1931-32, 1940-41, 1943-46, 1948-52. Measurement discontinued.

B29.24.27dba. City of Minneapolis. Drilled artesian well in sandstones of Upper Cambrian and Lower Ordovician age, diameter 20 inches, depth 823 feet, reported cased to 275. Records from 1931-32 by A. F. Meyer; records from 1940-41, 1943-46, 1948-Oct. 6, 1952 by Hennepin County Highway Department. 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, 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 28, 1931	61.6	Jan. 26, 1932	60.0	Sept. 11, 1944	78.	Feb. 16, 1953	77.10
Dec. 26	62.4	27	60.2	Mar. 28, 1945	75.0	20	78.59
28	61.2	28	59.4	Sept. 14	79.	27	78.68
29	61.6	29	59.4	Mar. 29, 1946	74.9	Mar. 9	77.17
30	61.8	30	59.8	Sept. 3	79.	16	77.63
31	61.5	31	59.8	Feb. 23, 1948	74.8	23	77.48
Jan. 1, 1932	60.8	Feb. 1	59.2	Sept. 13	87.	30	78.10
2	59.8	2	59.0	Mar. 14, 1949	75.7	Apr. 6	78.00
3	59.9	3	59.2	July 30	96.	13	78.49
4	59.6	4	59.2	Dec. 15	79.1	20	77.90
5	59.8	5	59.2	Apr. 10, 1950	77.2	27	79.36
6	59.8	6	59.2	Nov. 14	82.7	May 4	80.63
7	60.0	7	59.3	Apr. 16, 1951	80.9	11	82.74
8	60.3	8	59.2	Oct. 8	83.9	18	80.73
9	60.3	9	59.2	Apr. 21, 1952	79.9	25	82.25
10	59.4	10	59.2	Oct. 6	86.6	June 1	84.19
11	59.0	11	59.1	Nov. 3	82.25	8	83.33
12	59.0	Apr. 2	61.8	10	81.03	15	92.
13	60.2	3	61.8	18	81.06	22	91.5
14	59.9	4	61.2	25	80.27	29	89.5
15	60.4	9	61.9	Dec. 1	79.23	July 13	89.3
16	60.4	10	61.8	8	78.60	20	93.
17	60.0	11	61.4	15	78.43	27	91.4
18	60.0	23	62.2	22	78.11	Aug. 4	96.4
19	60.2	May 7	62.2	29	77.43	18	95.2
20	59.8	June 18, 1940	71.	Jan. 5, 1953	76.90	25	97.2
21	59.6	July 24	84.	12	77.22	Sept. 1	107.
22	59.7	Jan. 9, 1941	70.3	19	77.02	8	93.3
23	60.6	Feb. 24	70.5	26	77.11	14	89.90
24	60.0	Aug. 19	79.	Feb. 2	77.65	21	90.19
25	59.9	Aug. 13, 1943	87.	9	77.36	28	88.67

B29.24.27dba--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 5, 1953	88.33	Nov. 2, 1953	85.71	Nov. 23, 1953	82.88	Dec. 14, 1953	80.80
12	87.85	9	84.31	30	82.46	21	80.20
19	89.61	16	83.73	Dec. 7	81.64	28	78.88
26	87.02						

117.21.16cca. Village 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 92.1 below lsd, Aug. 28, 1953. Records available: 1953.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	67.7	69.0	72.8	78.1	77.1	74.7	85.9	79.3	72.6	71.8
2	....	....	68.6	69.3	72.3	81.0	79.1	71.5	88.2	82.7	77.8	71.5
3	....	....	....	69.6	70.3	80.8	80.8	75.3	....	80.9	77.2	71.3
4	....	....	....	68.9	72.4	81.1	79.4	75.5	85.4	77.8	77.0	71.2
5	....	....	69.4	68.5	72.8	81.0	78.0	76.3	81.9	78.9	77.2	70.5
6	....	....	69.7	69.3	73.9	78.9	80.7	77.0	80.3	81.0	76.4	69.9
7	....	....	68.2	69.5	75.5	78.3	82.5	76.2	80.5	79.8	75.5	70.6
8	....	....	67.8	71.5	78.1	....	83.3	74.9	84.4	79.1	72.7	71.2
9	....	....	68.9	71.8	78.1	....	84.5	72.9	85.7	79.5	76.1	70.9
10	....	....	69.1	72.8	75.4	....	85.9	....	86.5	78.8	78.3	70.9
11	....	....	68.9	71.5	76.5	....	86.8	76.4	83.4	77.6	78.7	71.2
12	....	68.5	68.8	69.1	75.6	....	86.8	77.9	79.5	81.5	78.2	70.3
13	....	68.5	68.9	71.9	75.4	....	77.8	76.6	76.9	80.4	79.5	70.1
14	....	67.9	67.8	72.8	75.2	....	78.1	77.3	79.8	82.3	78.8	71.0
15	....	...	67.1	72.9	75.3	....	79.2	77.0	81.4	83.4	77.8	71.0
16	....	....	68.4	72.1	73.8	76.8	81.5	72.9	82.2	84.5	81.2	71.2
17	....	....	68.4	73.0	72.4	79.8	84.5	75.5	83.1	80.5	78.3	71.6
18	....	....	68.5	71.1	76.3	83.5	79.8	76.6	82.6	77.0	81.1	71.6
19	....	....	69.0	68.2	77.2	83.5	77.3	78.3	80.5	80.6	80.7	71.0
20	....	....	68.3	71.8	75.5	77.7	77.9	80.0	79.7	80.8	81.1	70.9
21	....	....	68.0	72.4	74.6	74.3	77.7	83.1	80.0	80.5	80.1	71.4
22	....	....	67.4	75.0	74.9	77.3	76.5	82.2	82.1	80.5	79.3	71.4
23	....	....	68.3	77.1	74.3	77.4	76.7	81.6	79.0	78.9	79.5	71.7
24	....	68.3	68.4	77.9	71.1	75.5	79.1	85.2	82.4	77.0	81.1	71.3
25	....	68.6	69.0	73.8	75.2	76.3	78.1	85.7	79.7	76.1	80.7	70.8
26	....	68.8	69.0	70.2	75.7	76.2	75.8	88.3	76.5	76.6	78.6	69.9
27	....	68.9	69.2	72.4	76.4	73.8	77.3	91.1	74.3	75.5	....	69.9
28	....	68.2	68.4	72.1	76.8	70.9	76.5	92.1	77.4	75.5	....	70.9
29	....		67.5	74.1	76.7	75.5	75.9	90.7	78.1	76.8	....	71.4
30	....		68.5	72.7	74.5	77.7	77.2	83.1	78.8	77.8	....	71.5
31	....		68.7		75.1		75.7	84.5		75.1		71.4

117.22.5abd2. Hennepin County Highway Department. Drilled test and observation artesian well in sandstones of Upper Cambrian and Lower Ordovician age, diameter 6 inches, depth 483 feet, cased to 201. Land-surface datum is 942.79 feet above msl. Highest water level 39.06 below lsd, Feb. 26, 1953; lowest 45.07 below lsd, Aug. 28, 1953. Records available: 1953.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	40.13	39.95	40.20	40.85	42.18	41.78	41.32	44.43	43.05	41.48	40.99
2	.....	40.13	39.98	40.39	40.76	42.59	41.96	41.43	44.67	42.84	41.44	41.12
3	.....	.....	39.84	40.08	40.83	42.24	42.27	41.45	44.53	42.98	41.8	40.81
4	.....	.....	39.92	40.04	40.83	42.63	41.96	41.39	44.51	42.93	41.87	40.70
5	.....	39.86	40.08	39.99	40.72	.....	42.10	41.30	44.52	42.92	41.82	40.70
6	.....	39.99	40.22	40.17	40.74	.....	42.45	41.16	44.51	43.04	41.59	40.57
7	.....	39.88	40.07	40.26	40.80	42.90	.....	41.14	44.88	43.20	41.71	40.73
8	.....	40.09	39.97	40.03	40.96	42.27	.....	41.22	44.72	42.80	41.58	40.72
9	.....	40.36	40.08	40.22	41.07	42.57	43.86	40.97	44.74	42.63	41.38	40.87
10	.....	40.05	39.92	40.33	40.89	42.63	.....	41.29	44.49	42.09	41.09	40.53
11	.....	39.96	39.94	40.24	41.24	42.66	44.43	41.23	44.37	42.34	41.16	40.87
12	.....	39.97	39.99	40.25	41.44	42.89	.....	41.4	44.56	42.5	41.16	40.58
13	.....	39.91	40.14	40.47	41.53	42.30	43.66	41.28	43.98	42.34	41.14	40.53
14	.....	39.86	39.70	40.23	41.13	42.34	43.50	41.58	43.89	42.79	40.98	40.92
15	.....	39.87	39.95	40.26	40.98	42.39	43.56	41.23	44.08	42.85	41.02	40.93

117.22.5abd2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	.....	40.38	40.09	40.09	40.89	42.30	43.50	41.30	44.3	42.88	41.16	41.13
17	.....	.....	39.95	40.36	40.72	42.37	43.47	41.45	43.99	42.50	41.12	.....
18	.....	39.98	39.84	40.45	41.10	42.42	43.05	41.48	44.02	42.40	41.18	40.97
19	.....	40.24	40.06	40.39	41.32	42.22	42.98	41.60	44.15	42.70	41.28	40.65
20	.....	39.84	40.10	40.54	40.90	42.13	43.09	41.73	44.10	42.56	40.99	40.29
21	.....	40.30	39.50	40.18	41.01	42.56	42.85	41.67	44.02	42.78	41.04	40.73
22	.....	.....	39.84	40.22	40.93	42.73	42.69	41.74	43.77	42.42	41.04	41.06
23	.....	40.3	40.05	40.79	41.10	42.67	42.56	41.69	43.74	42.47	40.92	40.81
24	.....	40.08	40.22	40.68	40.91	42.28	42.39	42.18	43.88	42.45	41.01	40.41
25	.....	39.72	40.35	40.48	41.32	42.24	42.15	43.00	43.73	42.12	41.28	40.21
26	.....	39.57	40.50	40.87	41.69	42.39	41.98	43.90	43.04	42.30	41.09	40.18
27	40.04	39.97	40.43	41.1	42.15	41.90	41.96	44.62	43.04	42.11	41.57	40.25
28	39.99	39.97	40.15	40.88	42.34	41.46	41.62	45.07	42.86	42.01	41.25	40.06
29	39.93		40.20	41.07	42.16	41.5	41.67	44.78	42.83	41.94	41.27	40.35
30	40.06		40.23	40.84	42.17	41.53	41.77	44.35	43.23	41.66	41.29	40.49
31	40.02		40.19		42.06		41.79	44.59		41.84		40.22

117.22.8dbb2. Hennepin County Highway Department. Drilled test and 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 21.75 below lsd, Mar. 18, 1953; lowest 28.06 below lsd, May 30, 1953. Records available: 1953.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	22.26	22.64	22.9	25.10	23.77	23.41	26.79	24.94	23.66	23.00
2	.....	.....	22.10	22.59	22.73	24.82	24.00	23.29	26.94	25.17	23.51	22.86
3	.....	.....	22.01	22.37	22.64	24.7	24.07	23.14	27.1	25.08	23.64	22.79
4	.....	.....	21.91	22.54	22.99	25.00	23.85	23.22	27.03	25.07	24.09	22.67
5	.....	.....	22.20	22.51	23.02	25.29	24.12	23.17	26.46	25.43	23.92	22.67
6	.....	.....	22.39	22.44	23.11	25.12	24.73	23.04	26.25	25.57	23.61	22.44
7	.....	.....	22.28	22.47	23.34	25.11	25.00	23.15	26.24	25.49	23.45	22.67
8	.....	.....	22.17	22.43	23.51	24.9	25.28	23.04	26.41	24.45	23.32	22.93
9	.....	.....	22.16	22.52	23.39	24.91	25.85	23.04	25.92	24.64	23.25	22.78
10	.....	.....	22.13	22.54	23.37	24.94	26.46	22.99	26.57	24.64	23.14	22.60
11	.....	.....	22.10	22.59	23.40	24.87	26.60	22.98	26.59	24.71	23.13	22.77
12	.....	.....	22.14	22.62	23.22	25.20	25.79	23.10	26.26	24.75	23.20	22.70
13	.....	.....	22.10	22.61	23.25	25.00	25.93	23.07	26.20	24.84	23.19	22.60
14	.....	.....	22.03	22.50	23.04	25.0	25.78	23.24	26.16	25.33	23.12	22.76
15	.....	.....	22.02	22.40	22.93	24.87	25.64	23.09	26.03	25.52	23.05	22.75
16	.....	.....	22.04	22.48	22.95	24.85	25.54	23.07	25.96	25.19	23.23	22.84
17	.....	.....	22.07	22.78	22.85	24.77	25.53	23.15	25.47	24.95	23.16	22.82
18	.....	.....	21.90	22.84	22.86	24.78	25.39	23.10	26.16	24.80	23.30	22.68
19	.....	.....	22.15	22.89	22.74	24.91	25.12	23.25	25.83	24.82	23.33	22.42
20	.....	.....	22.25	22.84	22.67	25.09	24.93	23.36	25.65	24.81	23.15	22.3
21	.....	.....	22.31	22.72	22.97	25.20	24.72	24.00	26.15	24.84	23.21	22.55
22	.....	.....	22.50	22.79	23.07	25.2	24.52	23.51	25.84	24.85	23.21	22.57
23	.....	.....	22.71	23.04	23.24	25.13	24.48	23.58	25.82	24.72	23.01	22.56
24	.....	.....	22.70	22.95	23.47	24.68	24.34	24.31	26.03	24.70	23.10	22.28
25	.....	.....	22.79	23.14	23.46	24.52	23.99	24.80	25.49	24.50	23.15	22.23
26	.....	h21.82	22.82	23.26	26.70	24.54	23.98	25.39	25.28	24.32	23.21	22.20
27	.....	22.15	22.70	23.23	27.60	24.30	24.04	26.36	25.06	24.17	23.36	22.12
28	.....	22.27	22.64	23.22	27.96	23.89	23.90	27.01	25.00	24.10	23.30	22.08
29	.....		22.62	23.13	27.92	23.8	23.92	26.80	24.82	23.97	23.11	22.25
30	.....		22.64	23.02	28.06	23.70	23.85	26.45	25.41	23.87	23.12	22.25
31	.....		22.63		24.91		23.74	26.56		23.79		22.22

h Tape measurement.

117.22.8dbb3. Hennepin County Highway Department. Drilled test and 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. Records from 1942-46, 1948-52 by Hennepin County Highway Department. Highest water level 5.2 below lsd, Aug. 29, 1944; lowest 12.66 below lsd, Oct. 19, 1953. Records available: 1942-46, 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 9, 1942	6.8	Aug. 29, 1944	5.2	Aug. 29, 1946	7.6	July 16, 1949	12.5
Aug. 10	6.5	Mar. 27, 1945	6.1	Feb. 24, 1948	10.1	27	12.4
Nov. 29, 1943	6.6	Sept. 12	5.9	Sept. 15	12.4	Aug. 1	12.0
May 24, 1944	5.6	Mar. 27, 1946	6.3	Mar. 15, 1949	11.3	8	12.1

117.22.8dbb3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 22, 1949	12.4	Mar. 24, 1953	12.22	June 29, 1953	11.68	Sept. 28, 1953	12.32
Sept. 5	12.4	31	12.19	July 6	11.85	Oct. 5	12.50
14	12.1	Apr. 7	12.10	13	12.20	12	12.63
24	12.2	14	12.06	20	11.86	19	12.66
Oct. 16	13.1	21	12.04	27	11.52	26	12.64
Apr. 11, 1950	12.4	27	12.23	Aug. 3	11.15	Nov. 2	12.40
Nov. 14	13.0	May 4	12.00	10	11.03	9	12.45
Oct. 9, 1951	9.9	11	12.02	17	11.08	16	12.58
Apr. 22, 1952	9.9	18	11.90	24	11.43	23	12.29
Oct. 7	12.0	25	11.91	31	12.02	30	12.58
Feb. 26, 1953	12.15	June 1	12.45	Sept. 4	12.17	Dec. 7	12.37
Mar. 3	12.28	8	12.25	8	12.18	14	12.49
10	12.36	15	12.20	14	12.32	21	12.43
17	12.30	22	12.33	21	12.55	28	12.31

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 38.6 below lsd, Apr. 13, 1938, Apr. 13, 1939. Records available: 1937-39, 1942-46, 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	31.25	Apr. 7	31.07	July 6	32.59	Oct. 5	33.25
12	30.85	14	31.11	13	33.69	12	33.33
19	31.05	21	31.15	20	33.24	19	33.38
27	31.13	27	31.57	27	32.69	26	33.14
Feb. 3	31.05	May 4	31.60	Aug. 3	32.17	Nov. 2	32.39
10	31.18	11	31.70	10	31.90	9	32.38
17	31.19	18	31.69	17	32.10	16	32.10
24	31.19	25	31.66	24	32.55	23	31.78
Mar. 3	30.97	June 1	32.65	Sept. 4	34.65	30	32.25
10	31.03	8	32.43	8	34.47	Dec. 7	31.80
17	30.99	15	32.58	14	33.99	14	31.90
24	31.13	22	32.88	21	34.24	21	31.75
31	31.18	29	32.17	28	33.31	28	31.34

117.23.11bbd1. Oberg Boat & Supply Co. Orono. Drilled test and 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 14.19 below lsd, Mar. 21, 1953; lowest 20.8 below lsd, Aug. 6, 1942. Records available: 1942-46, 1948-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.67	14.72	14.72	14.53	14.32	14.95	15.22	14.84	16.65	16.16	15.27	14.86
2	14.66	14.61	14.65	14.54	14.43	15.09	15.27	14.82	17.29	15.99	15.13	14.71
3	.....	14.61	h14.55	14.42	14.49	15.23	15.33	14.72	17.59	15.97	15.23	14.70
4	.....	14.58	.....	14.46	14.55	.....	15.40	14.63	17.56	15.92	15.26	14.63
5	h14.61	14.47	.....	14.46	14.50	.....	15.07	14.90	16.80	16.40	15.26	14.84
6	.....	14.52	.....	14.41	14.49	.....	16.09	14.72	16.43	16.30	15.17	14.72
7	.....	14.68	.....	14.45	14.67	15.27	16.68	14.62	.....	16.01	15.14	14.64
8	14.65	14.76	.....	14.44	14.80	14.82	17.04	14.84	h16.69	15.94	15.07	14.72
9	.....	14.81	.....	14.44	14.77	14.89	17.41	14.69	17.50	15.82	15.00	14.72
10	.....	14.81	h14.61	14.45	14.66	14.95	17.41	14.52	17.75	15.65	14.96	14.77
11	.....	14.61	14.60	14.48	14.62	15.87	16.95	14.48	17.69	15.79	14.98	14.75
12	h14.46	14.60	14.66	14.48	.....	16.32	16.43	14.46	17.25	15.92	14.93	14.71
13	14.65	14.60	14.66	14.49	.....	15.87	15.92	14.42	16.56	16.29	14.84	14.62
14	14.64	14.55	14.64	14.44	14.66	15.59	15.59	14.87	16.45	16.20	14.75	14.86
15	14.76	14.59	14.59	14.36	14.52	15.34	15.55	14.88	17.09	16.09	14.74	15.54
16	.....	14.68	14.59	14.38	14.53	15.18	16.21	14.62	17.35	15.93	14.74	16.20
17	.....	14.69	14.56	14.45	14.64	15.18	16.68	15.66	17.45	15.72	14.70	15.84
18	.....	14.66	14.46	14.46	14.74	15.45	16.60	15.96	17.72	15.65	14.72	15.31
19	h14.52	14.66	14.54	14.54	14.74	15.96	15.84	15.96	17.64	h15.53	14.78	14.92
20	.....	14.55	14.50	14.51	14.62	15.38	15.52	15.97	16.69	.....	14.72	14.73
21	.....	14.68	14.36	14.42	14.44	15.19	15.38	15.97	17.35	15.61	14.60	14.87
22	14.59	14.70	14.42	14.45	14.46	15.13	15.42	15.72	17.63	15.74	14.60	14.90
23	.....	14.70	14.44	14.51	14.50	15.28	15.35	15.42	17.54	.....	14.47	14.90
24	14.66	h14.66	14.54	14.48	14.49	15.04	15.30	16.10	17.62	.....	14.48	14.69
25	.....	14.65	14.72	14.40	14.60	14.82	15.12	16.89	17.49	.....	14.57	14.64

117.23.11bbd1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	h14.55	14.42	14.72	14.46	14.74	15.01	15.11	17.25	16.43	15.85	14.66	14.58
27	.....	14.55	14.68	14.46	14.92	15.01	14.95	17.66	15.91	15.76	14.75	14.57
28	.....	14.71	14.65	14.48	14.86	14.84	14.98	17.80	15.87	15.80	14.75	14.55
29	.....		14.61	14.46	14.68	14.76	14.97	17.80	16.10	15.68	14.72	14.70
30	h14.52		14.56	14.37	14.66	14.81	14.96	16.47	16.16	15.35	14.88	14.69
31	14.72		14.55		14.95		14.92	16.06		15.36		14.63

h Tape measurement.

117.23.34daa2. Hennepin County Highway Department. Drilled test and observation artesian well in sandstones of Upper Cambrian and Lower Ordovician age, diameter 6 inches, depth 468 feet, cased to 199. Land-surface datum is 946.84 feet above msl. Highest water level 52.55 below lsd, Mar. 21, 1953; lowest 54.18 below lsd, Sept. 22, 1953. Records available: 1953.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	53.28	53.09	52.86	53.48	53.24	53.24	53.78	53.85	53.56	53.38
2	.....	.....	53.20	53.12	53.09	53.44	53.29	53.27	53.77	53.75	53.50	53.24
3	.....	.....	52.99	52.96	53.22	53.34	53.35	53.25	53.83	53.96	53.68	53.23
4	.....	.....	52.92	53.04	53.27	53.13	53.34	53.22	53.91	54.00	53.81	53.09
5	.....	.....	53.17	53.06	53.24	53.36	53.43	53.27	53.94	53.92	53.81	53.11
6	.....	.....	53.40	53.00	53.13	53.47	53.41	53.15	54.08	53.96	53.74	53.03
7	.....	.....	53.41	53.01	53.12	53.49	53.47	53.20	54.11	53.93	53.71	53.15
8	.....	.....	53.36	52.97	53.14	53.31	53.56	53.28	54.11	53.75	53.67	53.27
9	.....	.....	53.26	52.90	53.14	53.49	53.73	53.26	54.11	53.75	53.56	53.27
10	.....	.....	53.16	53.00	53.02	53.52	53.79	53.19	54.05	53.66	53.44	53.07
11	.....	.....	53.08	53.08	53.12	53.50	53.8	53.16	53.97	53.74	53.48	53.19
12	.....	.....	53.16	53.11	53.42	53.50	53.71	53.19	54.10	53.78	53.46	53.19
13	.....	.....	53.18	53.11	53.48	53.39	53.69	53.18	54.11	53.78	53.35	53.12
14	.....	.....	53.15	53.05	53.37	53.38	53.73	53.23	53.93	53.76	53.27	53.18
15	.....	.....	53.10	52.93	53.22	53.32	53.78	53.25	53.84	53.78	53.25	53.33
16	.....	.....	53.11	53.00	53.24	53.35	53.80	53.28	53.85	53.76	53.23	53.53
17	.....	.....	53.09	53.10	53.17	53.37	53.77	53.32	53.77	53.70	53.18	53.53
18	.....	.....	52.91	53.13	53.16	53.21	53.71	53.34	53.81	53.69	53.22	53.44
19	.....	.....	53.04	53.23	53.15	53.23	53.66	53.35	53.78	53.74	53.22	53.16
20	.....	.....	53.00	53.21	52.97	53.32	53.64	53.35	53.93	53.73	53.14	53.00
21	.....	.....	52.79	53.05	53.05	53.50	53.6	53.38	54.17	53.73	53.15	53.23
22	.....	.....	52.88	52.96	53.18	53.59	53.61	53.42	54.16	53.71	53.15	53.39
23	.....	.....	52.94	53.07	53.25	53.65	53.67	53.39	54.10	53.76	52.99	53.40
24	.....	.....	53.09	53.03	53.24	53.4	53.7	53.33	53.88	53.76	52.99	53.11
25	.....	.....	53.26	52.97	53.13	53.36	53.5	53.34	53.85	53.64	53.14	53.06
26	.....	.....	53.27	53.11	53.42	53.49	53.58	53.43	53.85	53.63	53.26	53.02
27	.....	53.03	53.24	53.13	53.52	53.44	53.62	53.50	53.76	53.63	53.44	52.99
28	.....	53.26	53.20	53.11	53.50	53.48	53.50	53.53	53.65	53.55	53.44	52.97
29	.....		53.18	53.08	53.27	53.43	53.47	53.62	53.73	53.55	53.37	53.13
30	.....		53.08	52.96	53.13	53.31	53.5	53.73	53.86	53.50	53.42	53.13
31	.....		53.06		53.37		53.50	53.77		53.59		53.08

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 23.57 below lsd, Nov. 23, 1953; lowest 25.15 below lsd, June 22, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 18, 1952	24.27	Mar. 10, 1953	24.39	June 22, 1953	25.15	Sept. 28, 1953	24.22
25	24.66	17	24.29	29	25.13	Oct. 5	24.49
Dec. 3	24.50	24	24.55	July 6	24.38	12	24.54
8	24.10	31	24.65	13	24.37	19	24.26
15	24.40	Apr. 7	24.21	20	24.24	26	24.28
22	24.45	14	24.17	27	25.12	Nov. 2	24.17
29	24.24	21	24.08	Aug. 3	24.06	9	24.34
Jan. 5, 1953	24.52	27	24.40	10	24.55	16	23.98
9	24.64	May 4	24.45	17	24.40	23	23.57
19	24.35	11	24.13	24	24.32	30	24.23
27	24.42	18	24.15	31	24.23	Dec. 7	24.72
Feb. 3	24.37	25	24.57	Sept. 4	24.23	14	24.44
10	24.82	June 1	24.47	8	24.74	21	24.13
24	24.75	8	24.04	14	24.55	28	24.03
Mar. 3	24.25	15	24.26	21	24.65		

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 24.84 below lsd, Nov. 23, 1953; lowest 26.32 below lsd, Nov. 25, 1952. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 7, 1952	25.85	Mar. 3, 1953	25.34	June 15, 1953	25.50	Sept. 21, 1953	26.09
18	25.37	10	25.44	22	25.63	28	25.57
25	26.32	17	25.33	29	25.45	Oct. 5	25.74
Dec. 3	25.63	24	25.28	July 6	25.51	12	25.80
8	25.16	31	25.40	13	25.79	19	25.68
15	25.48	Apr. 7	25.26	20	25.63	26	25.64
22	25.48	14	25.25	27	25.63	Nov. 2	25.40
29	25.35	21	25.20	Aug. 3	25.30	9	25.59
Jan. 5, 1953	25.50	27	25.30	10	25.27	16	25.23
9	25.61	May 4	25.50	17	25.43	23	24.84
19	25.38	11	25.16	24	25.45	30	25.42
27	25.46	18	25.32	31	25.68	Dec. 7	25.10
Feb. 3	25.44	25	25.18	Sept. 4	26.12	14	25.28
10	25.60	June 1	25.64	8	26.07	21	25.15
24	25.56	8	25.24	14	25.74	28	24.94

118.23.35aaa2. Hennepin County Highway Department. Drilled test and observation water-table well in glacial drift, diameter 2 inches, depth 151 feet. Records from 1942, 1944-46, 1948-Oct. 8, 1952 by Hennepin County Highway Department. Highest water level 19.27 below lsd, Aug. 24, 1953; lowest 37.4 below lsd, June 9, 1942. Records available: 1942, 1944-46, 1948-53.

June 9, 1942	37.4	Oct. 10, 1951	21.2	Mar. 24, 1953	19.92	Aug. 17, 1953	19.50
Aug. 6	34.3	Apr. 23, 1952	20.2	31	19.82	24	19.27
Dec. 22	30.2	Oct. 8	20.3	Apr. 7	19.81	31	19.41
May 24, 1944	24.6	Nov. 7	20.25	14	19.64	Sept. 4	19.49
Aug. 30	23.1	18	19.95	21	19.56	8	19.60
Mar. 28, 1945	22.9	25	20.13	27	19.72	14	19.53
Sept. 13	22.2	Dec. 3	20.07	May 4	19.83	21	19.86
Mar. 28, 1946	21.6	8	19.86	11	19.65	28	19.57
Aug. 30	21.4	15	19.95	18	19.64	Oct. 5	19.60
Feb. 24, 1948	20.6	22	19.95	25	19.52	12	19.90
Sept. 14	21.8	29	19.88	June 1	19.77	19	19.96
Mar. 16, 1949	21.2	Jan. 5, 1953	20.06	8	19.41	26	20.12
July 16	21.1	9	20.17	15	19.38	Nov. 2	19.89
27	21.3	19	20.00	22	19.70	9	20.11
Aug. 1	21.3	27	20.07	29	19.49	16	20.00
8	21.3	Feb. 3	19.93	July 6	19.44	23	19.60
22	21.2	10	19.97	13	19.53	30	20.05
Sept. 5	21.5	24	20.04	20	19.55	Dec. 7	19.89
14	21.4	Mar. 3	19.86	27	19.67	14	19.93
24	21.6	10	19.90	Aug. 3	19.41	21	19.87
Apr. 11, 1950	25.4	17	19.82	10	19.37	28	19.48
Nov. 14	23.1						

Morrison County

130.29.8dcc. U. S. Geol. Survey. Drilled test and 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 13.70 below lsd, Nov. 29, 1949. Records available: 1949-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	10.37	Apr. 3	11.20	July 10	11.02	Oct. 9	9.46
9	10.48	9	11.13	17	11.18	16	9.44
16	10.57	17	11.00	24	10.56	23	9.62
23	10.66	May 1	10.89	31	11.01	29	9.69
30	10.71	8	11.12	Aug. 7	9.69	Nov. 6	9.77
Feb. 6	10.76	15	11.26	14	8.93	13	9.81
13	10.79	22	10.90	21	9.29	20	9.86
20	10.94	29	10.50	28	9.73	27	9.96
27	11.05	June 5	10.57	Sept. 11	9.18	Dec. 4	10.03
Mar. 6	11.19	12	10.71	18	9.33	11	10.11
13	11.22	19	10.92	25	9.50	18	10.20
20	11.24	26	10.89	Oct. 2	9.42	26	10.25
27	11.32	July 4	10.56				

MISSOURI

By J. B. Cooper

Scope of Water-Level Program

Water-level measurements were made in 13 wells in Atchison County in the northwestern part of the State in 1953 as part of the Tarkio Creek Valley observation-well program. The Tarkio Creek Valley area also includes parts of Montgomery and Page Counties, Iowa. Measurements of the Atchison County wells have been made in conjunction with the Iowa observation-well program. Weekly measurements were continued in 1953 in the well at Trenton, Grundy County. Water-level measurements were made in 2 Phelps County wells 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 8.70 feet, with the highest reading of 2.10 feet on May 10. The low reading of 10.80 feet observed on October 18 was the lowest level of record. The water level was 2.41 feet lower at the end of 1953 than at the end of 1952. Fluctuation of water levels in wells in Atchison County, together with the other wells in the Tarkio Creek area, are discussed in the section of this volume that deals with Iowa.

Well-Numbering System

The numbers assigned to the observation wells show the location of the well according to the rectangular system for subdivision of public land. The system used is explained fully in the Iowa section of this report.

Well Descriptions and Water-Level Measurements

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

Atchison County

Tarkio Creek Valley

66-40-1N1. H. W. Klutas. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 21 feet, lined with tile. Highest water level 4.60 below lsd, Oct. 27, 1941; lowest 14.47 below lsd, Sept. 19, 1934. Records available: 1934-53. Jan. 22, 9.80; Mar. 3, 9.83; Mar. 26, 9.52; Apr. 23, 9.55.

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 16.76 below lsd, Aug. 28, 1950. Records available: 1937-48, 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	13.79	May 20	13.43	Aug. 27	13.28	Nov. 26	15.00
Mar. 26	13.30	June 22	14.87	Sept. 21	15.29	Dec. 29	15.75
Apr. 23	13.50	July 23	13.88	Oct. 30	14.95		

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 33.00 below lsd, Sept. 25, 1940. Records available: 1937-53.

Jan. 22	20.65	May 20	29.30	Aug. 27	29.18	Nov. 26	30.50
Mar. 26	25.10	June 22	28.52	Sept. 21	28.81	Dec. 29	30.80
Apr. 23	29.30	July 23	28.58	Oct. 30	30.30		

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, 1950-53.

66-40-13B1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	10.52	May 20	9.50	Aug. 27	11.40	Nov. 26	13.36
Mar. 26	8.97	June 22	9.95	Sept. 21	12.05	Dec. 29	12.98
Apr. 23	10.12	July 23	10.54	Oct. 30	12.90		

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: 1937-53.

Jan. 22	4.60	May 20	5.80	Aug. 27	7.00	Nov. 26	8.15
Mar. 26	4.28	June 22	6.09	Sept. 21	7.30	Dec. 29	8.65
Apr. 23	6.50	July 23	6.18	Oct. 30	7.88		

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, Aug. 27-Dec. 29, 1953. Records available: 1937-53.

Mar. 26	19.83	June 22	21.00	Sept. 21	(f)	Nov. 26	(f)
Apr. 23	20.12	July 23	21.20	Oct. 30	(f)	Dec. 29	(f)
May 20	16.60	Aug. 27	(f)				

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, July 23-Nov. 26, 1953. Records available: 1937-53.

Jan. 22	7.25	May 20	13.60	Aug. 27	(f)	Oct. 30	(f)
Mar. 26	13.88	June 22	13.43	Sept. 21	(f)	Nov. 26	(f)
Apr. 23	11.77	July 23	(f)				

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: 1937-53.

Jan. 22	13.62	May 20	12.45	Aug. 27	15.60	Nov. 26	16.60
Mar. 26	12.68	June 22	14.19	Sept. 21	15.86	Dec. 29	16.00
Apr. 23	14.86	July 23	12.90	Oct. 30	16.36		

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 12.58 below lsd, Jan. 30, 1941. Records available: 1937-53.

Jan. 22	3.30	May 20	3.48	Aug. 27	5.35	Nov. 26	7.20
Mar. 26	3.08	June 22	4.09	Sept. 21	5.83	Dec. 29	4.20
Apr. 23	5.87	July 23	4.38	Oct. 30	4.50		

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 11.76 below lsd, Jan. 30, 1939. Records available: 1937-53.

Mar. 26	4.22	June 22	3.76	Sept. 21	6.60	Nov. 26	5.39
Apr. 23	4.30	July 23	4.70	Oct. 30	5.30	Dec. 29	5.83
May 20	4.20	Aug. 27	4.92				

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: 1937-53.

Jan. 22	10.72	May 20	10.70	Aug. 22	11.12	Nov. 26	11.70
Mar. 26	9.87	June 22	11.05	Sept. 21	11.42	Dec. 29	11.60
Apr. 23	10.32	July 23	10.80	Oct. 30	10.84		

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 27.94 below lsd, Dec. 18, 1939. Records available: 1937-53.

Jan. 22	17.95	May 20	17.84	Aug. 27	19.78	Nov. 26	22.05
Mar. 26	18.11	June 22	17.50	Sept. 21	20.62	Dec. 29	23.30
Apr. 23	17.48	July 23	18.70	Oct. 30	21.60		

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: 1937-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	18.30	May 20	17.00	Aug. 27	19.10	Nov. 26	20.80
Mar. 26	16.99	June 22	18.29	Sept. 21	19.92	Dec. 29	21.30
Apr. 23	10.72	July 23	18.00	Oct. 30	20.40		

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 10.80 below lsd, Oct. 18, 1953. Records available: 1942-53.

Jan. 4	8.31	Apr. 5	2.60	July 5	6.15	Oct. 4	9.60
11	8.33	12	2.28	12	6.60	11	10.00
18	8.30	19	2.30	19	6.20	18	10.80
25	8.22	26	2.40	26	7.10	25	10.30
Feb. 1	8.18	May 3	3.00	Aug. 2	7.60	Nov. 1	10.56
8	8.16	10	2.10	9	7.75	8	10.25
15	8.05	17	3.00	16	7.10	15	10.40
22	7.97	24	3.60	23	8.48	22	10.55
Mar. 1	7.90	31	4.20	30	8.70	29	10.45
8	7.60	June 7	4.80	Sept. 6	8.90	Dec. 6	10.60
15	6.70	14	5.20	13	9.10	13	10.66
22	6.35	21	5.65	20	9.50	20	10.64
29	5.80	28	6.10	27	9.58	27	10.68

Jasper County

29-34-22H1. Barnsdale Zinc Co. SE¼NE¼ sec. 22, T. 29 N., R. 34 W. Drilled unused water-table well in Roubidoux formation, 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, 1950-53. July 31, 132.65; Sept. 5, 133.5; Sept. 30, 133.85; Nov. 2, 133.7; Nov. 30, 134.35; Dec. 30, 134.65.

Phelps County

37-10-13K1. S. V. Allen. Jerome. NW¼SE¼ sec. 13, T. 37 N., R. 10 W. Drilled water-table well in Gasconade dolomite, diameter 6 inches, depth 34 feet. Highest water level 4.38 below lsd, Apr. 2, 1945; lowest 11.51 below lsd, Sept. 30, 1953. Records available: 1942-53.

Jan. 30	8.26	May 1	7.49	July 31	10.40	Oct. 30	11.09
Feb. 27	7.88	June 1	8.31	Sept. 1	11.05	Nov. 30	10.76
Mar. 31	7.74	July 1	9.59	30	11.51	Dec. 30	10.62

37-10-24A1. Fred Pillman. Arlington. NE¼NE¼ sec. 24, T. 37 N., R. 10 W. 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 on many dates. Records available: 1942-53.

Jan. 30	(f)	May 1	8.65	July 31	(f)	Oct. 30	(f)
Feb. 27	(f)	June 1	11.04	Sept. 1	(f)	Nov. 30	(f)
Mar.	10.66	July 1	(f)	30	(f)	Dec. 30	(f)

f Dry.

NEBRASKA

By C. F. Keech

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 1953. Many of the well records in this report have been compiled as part of the Missouri Basin Development program. As a result of this participation, the number of measurements made and the number of wells in which water-level measurements are obtained have been increased. Records of wells in which water-level measurements have been made, which are not listed in this report, but have been published in previous water-level reports, are kept in open file pending publication in other forms. Measurements of water levels made in 349 wells are included in this report. Figure 14 shows the location of the observation wells. The following organizations cooperated informally: United States Bureau of Reclamation in the Republican River valley; United States 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; and State Department of Roads and Irrigation in Morrill County.

Precipitation

The average annual precipitation in Nebraska in 1953 was 20.28 inches, 2.45 inches below normal and 0.06 inch below that of 1952.

Pumpage

The following tables give 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 12 wells in the flood plain of the Platte River, about 3 miles northeast of Ashland. Pumping from the Ashland well field began in 1932 and by the end of 1953 a total of approximately 75,133 million gallons had been withdrawn from the ground-water reservoir. 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 1953

Month	Pumpage	Month	Pumpage	Month	Pumpage
Jan.	387.4	May	500.0	Sept.	678.8
Feb.	366.0	June	747.6	Oct.	610.3
Mar.	408.5	July	811.0	Nov.	383.8
Apr.	425.0	Aug.	781.3	Dec.	370.4

Monthly pumpage, in millions of gallons, for the public supply of Grand Island in 1953

Month	Pumpage	Month	Pumpage	Month	Pumpage
Jan.	297.9	May	327.2	Sept.	432.1
Feb.	273.6	June	420.4	Oct.	379.9
Mar.	311.2	July	500.2	Nov.	283.7
Apr.	315.9	Aug.	504.5	Dec.	294.3

Interpretation of Water-Level Fluctuations

The most intensive development of ground water for irrigation, public, and domestic supplies in Nebraska is in the lower Platte River valley. Irrigation from wells in this region was begun in 1893; early development was slow and by 1911 only 6 wells had been drilled. By 1931 about 700 wells had been drilled. Since that time, the development has grown rapidly, with the greatest development occurring during the drought years of the 1930's. Now more than 5,500 irrigation wells are known to exist in the area, the greatest concentrations of these being in Dawson,

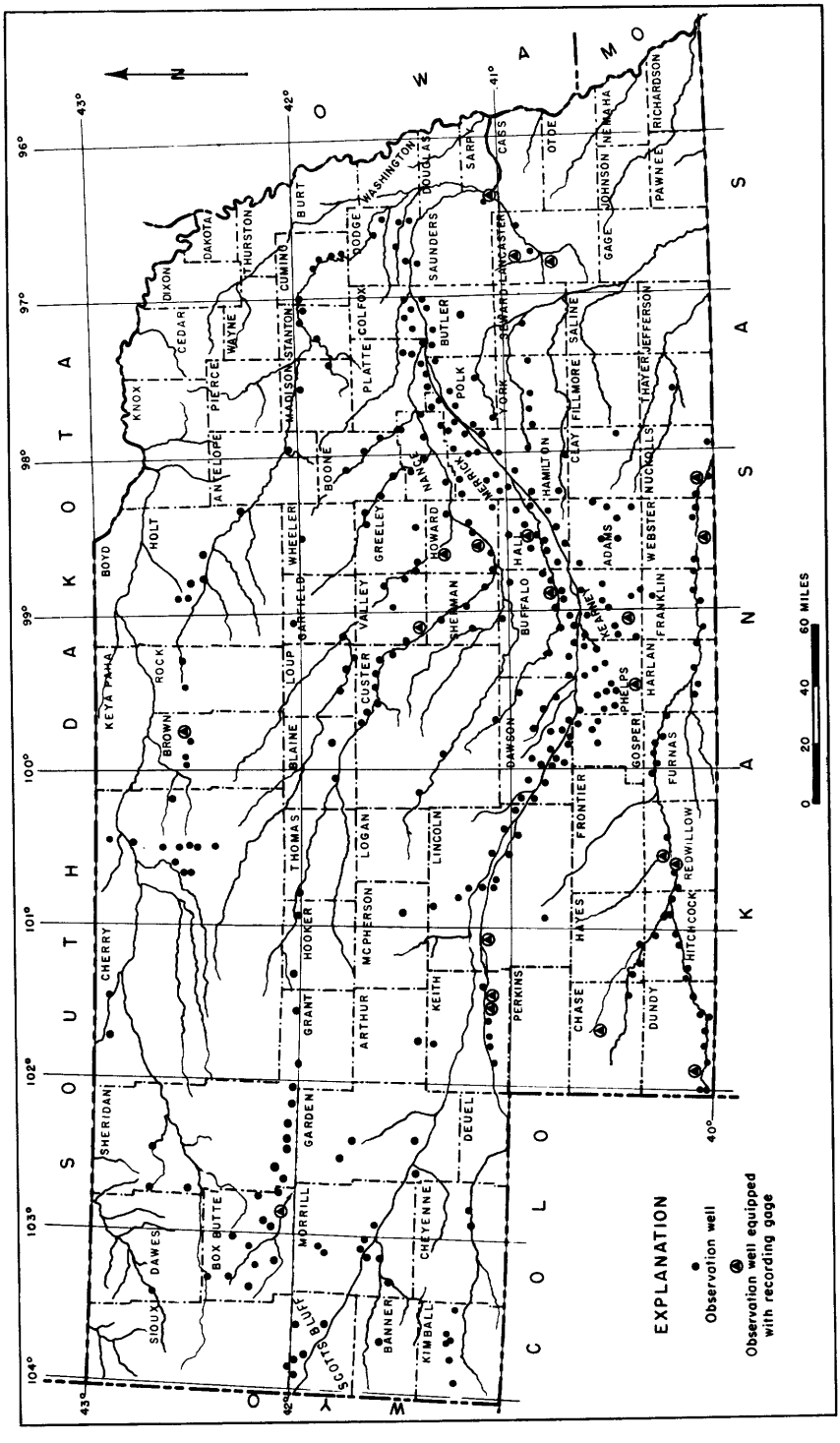


Figure 14. --Location of observation wells in Nebraska, 1953.

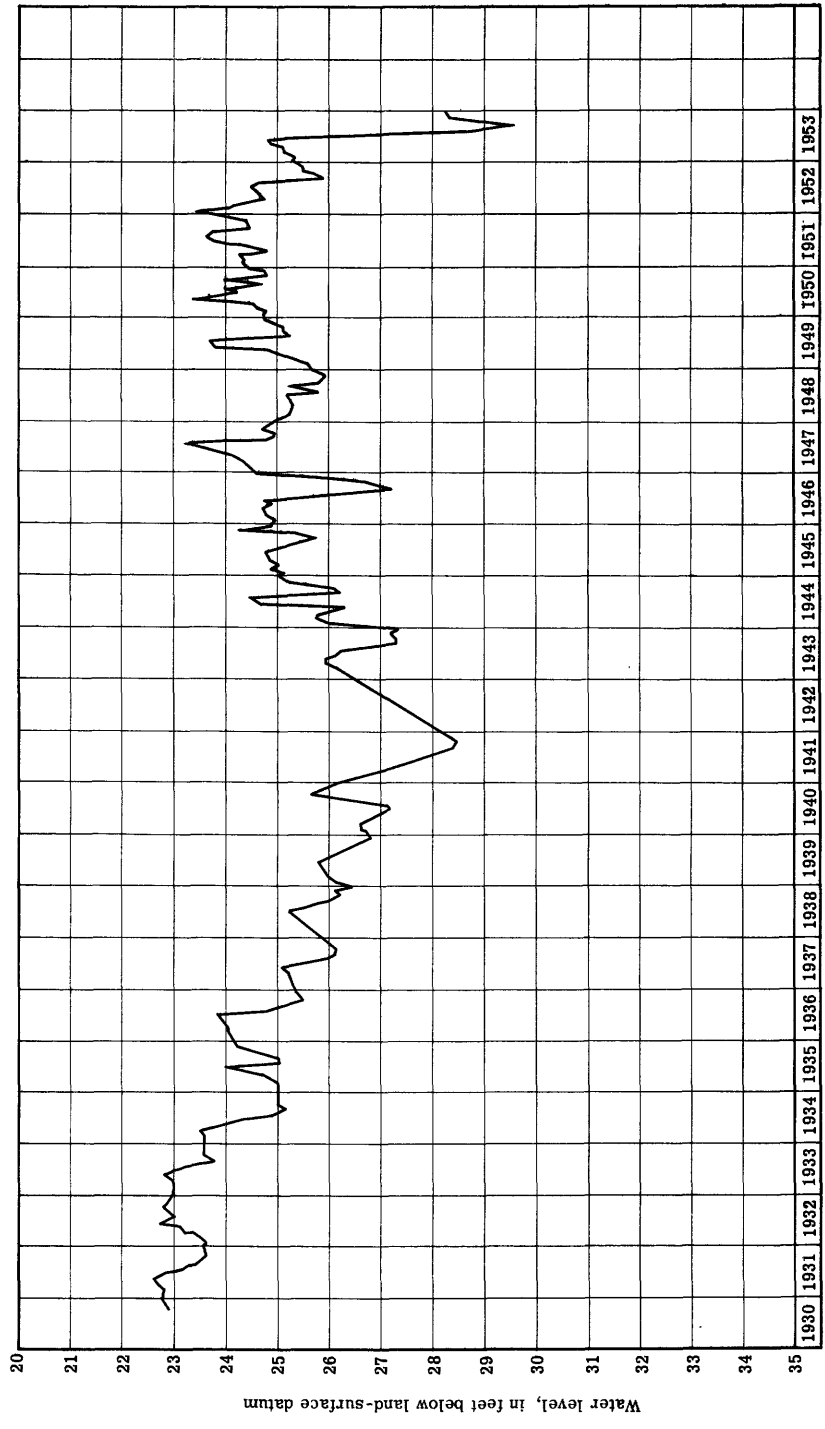


Figure 15.--Water level in well 9-14-19dd, Kearney County, Nebr.

Buffalo, Hall, and Merrick Counties. East of Kearney, in Buffalo County, the amount of surface water available for irrigation is very small and nearly all irrigation in this area is dependent upon ground-water supplies. Figure 15 shows a hydrograph of the water-level fluctuations in well 9-14-19dd, an irrigation well in the area east of Kearney, 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. It reached a low point in October of 1941, after which it began an upward trend that reached a maximum in January 1952 which was less than a foot lower than the record high in 1931. The rising water table during the period 1942-52 was the result of recharge to the ground-water reservoir by increased precipitation. The period of 1952-53 was deficient in precipitation and recharge to the ground-water reservoir was relatively low. Low recharge coupled with increased withdrawals of ground water, because of heavier pumping, caused the water table to decline. Ordinarily, the water removed from the reservoir is replaced during the fall and winter by rainfall and seepage from the Platte River. During the past 2 years, however, the fall and winter months were very dry and there was little or no flow in the river; consequently, the ground-water reservoirs were not recharged as fully as they normally are during the fall after the pumping season, and at the year's end the water level was the lowest on record for December.

In Dawson County between the fall of 1952 and the fall of 1953 the average net decline of the water level in 18 observation wells was 0.39 foot; in Buffalo County the average net decline in 13 observation wells was 2.33 feet; in Hall County the average net decline in 11 observation wells was 1.51 feet; and in Merrick County the average net decline in 9 observation wells was 0.75 foot.

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 SW¼SE¼NE¼ 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 is more than one well 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 37.70 below lsd, Aug. 20, 1947. Records available: 1947-53. Aug. 19, 38.01.

5-11-10bc. U. S. Geol. Survey. Driven observation water-table well in sand and clay, diameter 1 inch, depth 21 feet. Land-surface datum is 1,872.23 feet above msl. Highest water level 8.65 below lsd, July 28, 1950; lowest 10.81 below lsd, Nov. 13, 1940. Records available: 1937-38, 1940-41, 1946-51. Measurement discontinued.

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 103.40 below lsd, Nov. 17, 1947. Records available: 1947-53. Aug. 19, 103.78.

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, 1946-53. Aug. 19, 7.05; Dec. 28, 8.63.

6-11-22cc. Owner unknown. 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 91.83 below lsd, Mar. 15, 1951. Records available: 1950-53. Dec. 28, 90.59.

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 111.53 below lsd, June 28, 1948. Records available: 1948-53. Dec. 28, 110.78.

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 103.24 below lsd, Aug. 19, 1953. Records available: 1934-38, 1948-53. Aug. 19, 103.24; Dec. 28. 102.81.

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: 1947-53. Dec. 28, 110.64.

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 94.89 below lsd, Oct. 24, 1951; lowest 98.05 below lsd, Nov. 17, 1947. Records available: 1947-51. Measurement discontinued.

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. Measurement discontinued.

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 97.43 below lsd, June 3, 1949. Records available: 1948-52. Measurement discontinued.

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 9.72 below lsd, Sept. 7, 1946. Records available: 1946-53. Sept. 18, 10.08.

Antelope County

24-6-2aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 16 feet. Highest water level 0.05 below lsd May 29, 1951; lowest 7.88 below lsd, Sept. 12, 1935. Records available: 1934-42, 1944-53. Dec. 1, 5.50.

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 32.95 below lsd, May 22, 1951. Records available: 1934-42, 1944, 1951-53. Aug. 24, 33.23.

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. Measurement discontinued.

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, 1949-53. Apr. 1, 32.34.

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: 1934-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	4.15	Mar. 31	3.48	Aug. 11	5.70	Nov. 2	2.09
Feb. 5	3.95	Apr. 21	3.44	26	5.21	16	4.56
19	4.00	May 19	2.68	Sept. 23	5.41	Dec. 15	3.62
Mar. 3	3.74	June 16	3.74	Oct. 6	5.32	29	3.86
16	2.80	July 14	4.64	19	5.08		

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, 1949-53. Oct. 26, 16.12.

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, 1948-53. Oct. 13, 13.58.

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 34.88 below lsd, Sept. 29, 1948. Records available: 1948-53. Oct. 13, 34.91.

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: 1948-53. Oct. 13, 45.00.

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 32.55 below lsd, Sept. 28, 1948. Records available: 1948-53. Oct. 13, 31.34.

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. Oct. 13, 16.94.

Box Butte County

24-47-1db. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ 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 12.45 below lsd, May 14, 1946. Records available: 1946-53. June 15, 11.73.

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 13.93 below lsd, Oct. 27-30, 1953. Records available: 1946-53.

Daily lowest water level from recorder graph*

Day	Mar.	Apr.	May	June	July	Sept.	Oct.
1	.....	13.00	13.02	13.02	13.09	.....	13.83
2	.....	13.00	13.02	13.02	13.09	.....	13.84
3	.....	13.00	13.02	13.03	13.09	.....	13.85
4	.....	13.00	13.02	13.02	13.10	.....	13.85
5	.....	13.00	13.02	13.03	13.10	.....	13.86
6	.....	13.00	13.02	13.03	13.10	.....	13.86
7	.....	13.00	13.02	13.04	13.10	.....	13.87
8	.....	13.00	13.02	13.04	13.11	.....	13.87
9	.....	13.00	13.02	13.04	13.20	.....	13.87
10	.....	13.00	13.02	13.04	13.13	.....	13.87
11	.....	13.00	13.02	13.04	13.14	.....	13.88
12	.....	13.00	13.02	13.04	13.15	.....	13.89
13	.....	13.00	13.02	13.04	.....	.....	13.89
14	.....	13.00	13.02	13.04	.....	.....	13.90
15	.....	13.00	13.02	13.03	.....	.....	13.90
16	.....	13.00	13.02	13.03	.....	.....	13.90
17	.....	13.00	13.02	13.03	.....	.....	13.91
18	.....	13.00	13.02	13.03	.....	.....	13.91
19	.....	13.00	13.02	13.04	.....	.....	13.91
20	.....	13.00	13.02	13.04	.....	.....	13.91
21	.....	13.00	13.02	13.05	.....	.....	13.91
22	.....	13.00	13.02	13.05	.....	.....	13.92
23	.....	13.00	13.02	13.05	.....	.....	13.92
24	.....	13.01	13.02	13.05	.....	.....	13.92
25	13.00	13.01	13.02	13.05	.....	.....	13.92
26	13.00	13.01	13.02	13.05	.....	.....	13.92
27	13.00	13.01	13.02	13.05	.....	.....	13.93
28	13.00	13.01	13.02	13.06	.....	13.82	13.93
29	13.00	13.01	13.02	13.07	.....	13.82	13.93
30	13.00	13.02	13.02	13.08	.....	13.83	13.93
31	13.00		13.02		.....		.....

* No record for January, February, August, November, and December.

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 78.55 below lsd, Sept. 1, 1948. Records available: 1938, 1940, 1942, 1944, 1946-52. No measurement made in 1953.

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. Measurement discontinued.

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 66.50 below lsd, Sept. 27, 1953. Records available: 1946-53. June 17, 65.95; Sept. 27, 66.50.

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 15.99 below lsd, Sept. 27, 1953. Records available: 1938-42, 1944, 1946-47, 1949-53. June 17, 15.01; Sept. 27, 15.99.

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. Sept. 27, 102.16.

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 14.77 below lsd, Sept. 26, 1953. Records available: 1946-53. June 16, 13.45; Sept. 26, 14.77.

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 100.43 below lsd, Apr. 17, 1951; lowest 102.38 below lsd, Nov. 12, 1946. Records available: 1938-42, 1946-51, 1953. June 16, 100.52.

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. June 16, 94.24; Sept. 27, 95.26.

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 101.02 below lsd, Sept. 1, 1948. Records available: 1938-40, 1942, 1946-53. June 16, 95.25.

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. No measurement made in 1953.

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, 1944-53. Feb. 5, 116.89; Sept. 27, 116.86.

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: 1946-53. June 16, 221.67; Sept. 27, 218.92.

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. Well replaced Sept. 27, 1953. Highest water level 1.62 below lsd, Jan. 24, 1950; lowest 4.15 below lsd, Sept. 27, 1953. Records available: 1935-42, 1944-51, 1953. Sept. 27, 4.15.

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: 1947-52.

30-21-19cc--Continued.

Daily lowest water level from recorder graph, 1952*

Day	Feb.	Apr.	May	June	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	34.68	34.62	.....	34.53	34.46	34.46	34.47
2	.....	.....	34.67	34.59	.....	34.54	.....	34.46	34.47
3	.....	.....	34.67	34.58	.....	34.53	.....	34.42	34.48
4	.....	.....	34.66	34.59	.....	34.52	.....	34.42	34.50
5	.....	.....	34.69	34.57	.....	34.55	.....	34.42	34.50
6	34.96	.....	34.66	34.57	.....	34.55	34.45	34.44	34.46
7	34.96	.....	34.66	34.58	.....	34.53	34.45	34.44	34.46
8	34.98	.....	34.68	34.60	34.67	34.52	34.42	34.42	34.49
9	34.95	.....	34.67	.....	34.67	34.52	34.42	34.44	34.52
10	34.94	.....	34.67	.....	34.67	34.51	34.43	34.44	34.52
11	34.94	.....	.....	.....	34.67	34.51	34.42	34.41	34.53
12	34.92	.....	.....	.....	34.66	34.50	34.42	34.41	34.55
13	34.94	.....	.....	.....	34.64	34.53	34.45	34.41	34.56
14	34.96	.....	.....	.....	34.62	34.53	34.44	34.41	34.56
15	34.96	.....	.....	.....	34.61	34.51	34.41	34.41	34.53
16	34.94	.....	.....	.....	34.61	34.48	34.45	34.42	39.53
17	34.91	.....	.....	.....	34.61	34.48	34.44	34.42	34.57
18	34.91	.....	.....	.....	34.62	34.49	34.43	34.45	34.57
19	34.92	.....	34.63	.....	34.59	34.50	34.43	34.45	34.56
20	34.95	.....	34.61	.....	34.59	34.50	34.42	34.45	34.57
21	.....	.....	34.61	.....	34.60	34.50	34.42	34.47	34.55
22	.....	.....	34.63	.....	34.60	34.49	34.42	34.47	34.57
23	.....	34.75	34.65	.....	34.58	34.46	34.40	34.47	34.60
24	.....	34.72	34.61	.....	34.56	34.46	34.40	34.47	34.60
25	.....	34.71	34.63	.....	34.54	34.46	34.40	34.46	34.60
26	.....	34.70	34.64	.....	34.52	34.46	34.43	34.49	34.60
27	.....	34.70	34.64	.....	34.53	34.46	34.44	34.51	34.60
28	.....	34.69	34.64	.....	34.54	34.46	34.42	34.51	34.59
29	.....	34.69	34.61	.....	34.52	34.46	34.40	34.51	34.59
30		34.69	34.63	.....	34.51	34.44	34.41	34.50	39.59
31			34.63		34.52		34.42		34.59

* No record for January, March, and July.

Daily lowest water level from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	34.61	34.78	.....	35.08	35.14	35.25	35.20	35.42	35.55	.....	35.32	.....
2	34.64	34.84	34.94	35.10	35.17	35.25	35.22	35.41	35.59	.....	35.32	.....
3	34.64	34.84	34.97	35.10	35.19	35.22	35.21	35.41	35.59	.....	35.32	.....
4	34.63	34.83	34.98	35.10	35.19	35.22	35.20	35.41	35.60	.....	35.32	.....
5	34.63	34.89	34.99	35.10	35.19	35.25	35.21	35.41	35.62	.....	35.33	.....
6	34.65	34.86	35.02	35.06	35.19	35.25	35.21	35.39	35.64	.....	35.31	.....
7	34.62	34.86	35.01	35.07	35.18	35.22	35.21	35.39	35.64	.....	35.33	.....
8	34.68	34.87	35.03	35.09	35.18	35.26	35.22	35.39	35.66	.....	35.31	.....
9	34.68	34.88	35.01	35.11	35.16	35.27	35.23	35.36	35.67	.....	35.29	.....
10	34.70	34.89	34.99	35.11	35.14	35.27	35.23	35.34	35.69	.....	35.29	.....
11	34.70	34.90	35.00	35.12	35.19	35.29	35.23	35.35	35.69	.....	35.29	.....
12	34.65	34.91	35.03	35.12	35.21	35.29	35.23	35.35	35.69	.....	35.27	.....
13	34.66	34.88	35.03	35.10	35.21	35.28	35.24	35.35	35.68	.....	35.27	.....
14	34.70	34.89	35.04	35.12	35.21	35.29	35.24	35.39	35.69	.....	35.26	.....
15	34.75	34.93	35.05	35.12	35.18	35.29	35.26	35.41	35.69	.....	35.25	.....
16	34.75	34.93	35.04	35.12	35.18	35.31	35.28	35.42	35.65	.....	35.25	.....
17	34.67	.....	35.04	35.15	35.19	35.31	35.29	35.43	35.68	.....	35.24	.....
18	34.66	.....	35.05	35.15	35.20	35.29	35.29	35.46	35.67	.....	35.26	.....
19	34.72	34.92	35.05	35.15	35.20	35.30	35.31	35.45	35.67	.....	35.26	.....
20	34.72	34.91	35.02	35.15	35.18	35.32	35.32	35.45	35.68	.....	35.24	.....
21	34.75	34.93	35.03	35.10	35.19	35.32	35.37	35.45	35.66	.....	35.24	.....
22	34.76	.....	35.05	35.12	35.21	35.32	35.37	35.45	35.62	.....	35.22	.....
23	34.75	.....	35.07	35.12	35.21	35.31	35.37	35.46	35.62	.....	35.22	.....
24	34.76	.....	35.08	35.14	35.20	35.31	35.38	35.46	35.62	.....	35.23	.....
25	34.72	.....	35.08	35.16	35.25	35.31	35.41	35.47	35.60	.....	35.25	.....
26	34.77	.....	35.09	35.16	35.25	35.31	35.42	35.47	35.60	.....	35.25	.....
27	34.78	.....	35.09	35.12	35.25	35.30	35.42	35.48	35.56	.....	35.25	.....
28	34.77	.....	35.09	35.10	35.23	35.30	35.42	35.49	35.59	.....	35.25	.....
29	34.75		35.04	35.10	35.20	35.27	35.44	35.50	35.59	.....	35.25	.....
30	34.78		35.05	35.12	35.22	35.26	35.44	35.53	35.56	35.33	35.26	.....
31	34.78		35.08		35.25		35.42	35.55		35.32		.....

30-22-19aa. Roy Snyder. Drilled stock water-table well in sand of Pleistocene age, diameter 5 inches, depth 63 feet. Land-surface datum is 2,564.38 feet above msl. Highest water level 35.07 below lsd, Feb. 16, 1951; lowest 38.73 below lsd, Apr. 26, 1949. Records available: 1947-51. Measurement discontinued.

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 18.67 below lsd, Aug. 9, 1937. Records available: 1934-45, 1947-53. Jan. 14, 15.20; Mar. 17, 14.47; Oct. 28, 15.52.

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, 1947-53. Jan. 14, 36.27; Mar. 17, 36.19; Oct. 26, 36.59.

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 3.22 below lsd, July 6, 1950. Records available: 1950-53. Jan. 14, 1.11; Mar. 17, 1.62; July 20, 2.27; Oct. 26, 1.90.

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 7.80 below lsd, Jan. 7, 1947. Records available: 1930, 1932-53. Apr. 21, 5.15; Sept. 17, 7.17.

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: 1931-53. Apr. 21, 7.92; Sept. 18, 8.48.

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 22.92 below lsd, Oct. 4, 1948. Records available: 1930-53. Apr. 21, 18.77; Sept. 16, 22.39.

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 21.86 below lsd, Sept. 3, 1953. Records available: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	17.70	17.58	17.44	17.34	17.24	17.91	20.60	21.80	21.17	21.08	21.07
2	17.79	17.70	17.56	17.45	17.35	17.24	18.08	20.69	21.85	21.16	21.08	21.07
3	17.79	17.69	17.56	17.45	17.37	17.22	18.20	20.77	21.86	21.15	21.08	21.07
4	17.78	17.69	17.56	17.45	17.39	17.20	18.25	20.80	21.85	21.15	21.08	21.08
5	17.78	17.67	17.56	17.45	17.39	17.22	18.30	20.83	21.77	21.14	21.08	21.08
6	17.77	17.67	17.57	17.44	17.38	17.23	18.20	20.87	21.70	21.13	21.08	21.08
7	17.77	17.67	17.57	17.43	17.37	17.22	18.30	20.92	21.67	21.13	21.08	21.08
8	17.77	17.66	17.56	17.42	17.35	17.23	18.40	20.98	21.75	21.12	21.08	21.07
9	17.77	17.67	17.55	17.43	17.35	17.22	18.45	20.99	21.73	21.11	21.08	21.07
10	17.77	17.68	17.54	17.44	17.32	17.22	18.52	20.93	21.70	21.11	21.08	21.07
11	17.77	17.65	17.53	17.45	17.32	17.21	18.62	20.94	21.70	21.10	21.08	21.07
12	17.76	17.65	17.54	17.44	17.33	17.21	18.62	20.94	21.66	21.10	21.08	21.07
13	17.75	17.64	17.53	17.45	17.34	17.20	18.72	20.98	21.58	21.10	21.08	21.07
14	17.75	17.62	17.51	17.41	17.34	17.18	18.85	21.06	21.53	21.10	21.09	21.06
15	17.78	17.62	17.54	17.43	17.33	17.17	18.97	21.22	21.47	21.10	21.08	21.06
16	17.78	17.63	17.54	17.43	17.30	17.19	19.01	21.23	21.43	21.09	21.08	21.06
17	17.75	17.63	17.52	17.41	17.30	17.18	19.23	21.26	21.37	21.10	21.08	21.06
18	17.73	17.60	17.50	17.41	17.30	17.48	19.27	21.28	21.35	21.10	21.08	21.05
19	17.73	17.59	17.50	17.41	17.30	17.65	19.36	21.30	21.32	21.10	21.08	21.05
20	17.74	17.60	17.49	17.40	17.29	17.75	19.41	21.35	21.30	21.10	21.08	21.05
21	17.72	17.62	17.46	17.39	17.27	17.80	19.51	21.39	21.29	21.10	21.08	21.05
22	17.74	17.62	17.47	17.37	17.27	17.62	19.64	21.43	21.27	21.10	21.07	21.05
23	17.74	17.62	17.48	17.35	17.25	17.53	19.74	21.43	21.25	21.10	21.07	21.05
24	17.73	17.61	17.48	17.35	17.26	17.45	19.74	21.46	21.25	21.09	21.07	21.05
25	17.72	17.60	17.49	17.36	17.25	17.45	19.90	21.49	21.23	21.09	21.07	21.04
26	17.71	17.60	17.48	17.37	17.28	17.74	19.99	21.53	21.22	21.09	21.07	21.04
27	17.72	17.59	17.48	17.37	17.28	17.83	20.02	21.57	21.20	21.09	21.07	21.03
28	17.72	17.59	17.48	17.35	17.28	17.70	20.08	21.63	21.20	21.09	21.07	21.03
29	17.71		17.47	17.33	17.26	17.63	20.35	21.67	21.18	21.09	21.07	21.03
30	17.70		17.43	17.33	17.25	17.80	20.43	21.70	21.18	21.08	21.07	21.03
31	17.70		17.43		17.24		20.50	21.75		21.08		21.03

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 23.20 below lsd, Sept. 16, 1953. Records available: 1930-53. Apr. 21, 19.11; Sept. 16, 23.20.

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 29.55 below lsd, Sept. 17, 1953. Records available: 1930-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	25.28	Apr. 15	25.12	July 18	27.00	Oct. 16	29.10
Feb. 15	25.30	May 15	24.90	Aug. 17	28.90	Nov. 17	28.40
Mar. 15	25.16	June 16	24.82	Sept. 17	29.55	Dec. 15	28.40

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 33.53 below lsd, Sept. 16, 1953. Records available: 1932-42, 1944-53. Apr. 21, 26.12; Sept. 16, 33.53.

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 25.35 below lsd, Nov. 3, 1948. Records available: 1930-37, 1939, 1945-53. Mar. 18, 19.49; Sept. 17, 23.07.

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 29.66 below lsd, Aug. 23, 1951. Records available: 1948-53. Mar. 4, 28.43.

9-17-31cd. U. S. Geol. Survey. Driven observation water-table well in alluvial silt, diameter $1\frac{1}{4}$ 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: 1946-53. Apr. 21, 10.64; Dec. 2, 14.22.

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 12.50 below lsd, Sept. 7, 1948. Records available: 1946-53. Apr. 21, 11.13; Dec. 2, 12.24.

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 26.28 below lsd, Sept. 5, 1946. Records available: 1930-40, 1944, 1946-53. Apr. 21, 23.17; Sept. 16, 25.41.

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, 1949-53. Dec. 29, 29.14.

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: 1950-53. July 9, 25.30; Sept. 30, 26.18; Nov. 26, 25.87.

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 31.03 below lsd, Sept. 9, 1952. Records available: 1950-53. July 9, 30.13.

Butler County

A14-3-8ba. U. S. Geol. Survey. Drilled observation water-table well in glacial drift and sand, diameter $1\frac{1}{4}$ 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. May 13, 10.67; Nov. 12, 13.10.

A16-1-14ad. Owner unknown. 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, 1952-53. May 13, 6.81; Nov. 12, 8.19.

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 7.23 below lsd, Nov. 12, 1953. Records available: 1946-53. May 13, 3.86; Nov. 12, 7.23.

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 12.99 below lsd, Jan. 8, 1951. Records available: 1946-53. May 13, 8.49; Nov. 11, 12.74.

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 22.14 below lsd, Nov. 11, 1953. Records available: 1946-53. May 13, 19.80; Nov. 11, 22.14.

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: 1946-53. Mar. 17, 15.98; May 11, 15.90; June 16, 15.99; July 15, 15.86; Aug. 10, 15.87; Sept. 15, 15.98.

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 11.44 below lsd, July 11, 1950. Records available: 1949-50. No measurement made in 1953.

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, 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	74.57	74.50	74.42	74.53	74.67	74.73	74.82	74.74	74.84	74.89	74.95	74.82
2	74.60	74.52	74.49	74.57	74.69	74.63	74.85	74.79	74.91	74.99	74.98	74.82
3	74.58	74.51	74.52	74.50	74.74	74.64	74.75	74.82	74.93	75.08	74.99	74.74
4	74.52	74.48	74.50	74.50	74.72	74.65	74.82	74.84	74.92	75.00	74.97	74.75
5	74.48	74.50	74.56	74.48	74.68	74.68	74.87	74.82	74.85	74.98	74.94	74.86
6	74.53	74.48	74.60	74.39	74.63	74.67	74.87	74.85	74.88	74.99	74.90	74.83
7	74.48	74.53	74.58	74.46	74.65	74.60	74.82	74.89	74.88	74.96	75.02	74.79
8	74.61	74.45	74.55	74.49	74.63	74.65	74.84	74.87	74.87	75.00	75.00	74.91
9	74.61	74.57	74.43	74.58	74.66	74.71	74.83	74.79	74.87	74.99	74.90	74.87
10	74.59	74.58	74.42	74.55	74.74	74.72	74.81	74.86	74.85	74.93	74.90	74.90
11	74.57	74.53	74.51	74.51	74.73	74.71	74.79	74.90	74.90	74.92	74.92	74.94
12	74.48	74.56	74.52	74.50	74.73	74.68	74.76	74.90	74.88	74.93	74.87	74.83
13	74.49	74.46	74.43	74.47	74.70	74.63	74.75	74.83	74.84	74.95	74.87	74.90
14	74.53	74.52	74.55	74.57	74.57	74.62	74.71	74.88	74.86	74.98	74.86	74.89
15	74.65	74.50	74.55	74.57	74.62	74.71	74.72	74.90	74.89	74.95	74.85	74.90
16	74.60	74.57	74.47	74.47	74.62	74.74	74.77	74.91	74.78	74.90	74.86	74.92
17	74.43	74.53	74.40	74.55	74.63	74.64	74.76	74.93	74.81	74.91	74.75	74.87
18	74.48	74.44	74.50	74.61	74.66	74.63	74.71	74.92	74.86	74.91	74.89	74.79
19	74.56	74.45	74.45	74.60	74.60	74.72	74.70	74.92	74.79	74.90	74.88	74.77
20	74.58	74.57	74.33	74.54	74.67	74.82	74.70	74.89	74.89	74.90	74.84	74.76
21	74.55	74.58	74.48	74.45	74.69	74.88	74.79	74.86	74.89	75.01	74.87	74.94
22	74.61	74.53	74.48	74.52	74.70	74.84	74.80	74.86	74.78	75.03	74.82	74.97
23	74.55	74.38	74.55	74.52	74.69	74.75	74.81	74.86	74.80	74.98	74.88	74.89
24	74.56	74.49	74.54	74.62	74.63	74.86	74.76	74.80	74.87	74.85	74.90	74.85
25	74.38	74.49	74.53	74.68	74.69	74.88	74.83	74.83	74.87	74.98	74.92	74.84
26	74.53	74.47	74.61	74.68	74.72	74.79	74.88	74.82	74.82	74.97	74.90	74.84
27	74.58	74.52	74.59	74.55	74.70	74.90	74.87	74.80	74.78	74.94	74.92	74.83
28	74.52	74.45	74.53	74.49	74.62	74.85	74.77	74.77	74.84	74.96	74.90	74.74
29	74.48		74.44	74.57	74.62	74.81	74.78	74.84	75.02	74.91	74.90	74.87
30	74.55		74.50	74.58	74.68	74.80	74.79	74.85	75.02	74.94	74.88	74.87
31	74.55		74.50		74.73		74.78	74.84		74.95		74.78

Cherry County

28-28-1cc. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter ¾ inch, depth 14 feet. Land-surface datum is 2,929.09 feet above msl. Highest water level 2.05 below lsd, Apr. 23, 1952; lowest 5.48 below lsd, Feb. 26, 1951. Records available: 1950-53. Jan. 14, 4.98; Mar. 17, 3.61; July 21, 3.55; Oct. 27, 3.99.

29-28-13aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 14 feet. Land-surface datum is 2,926.31 feet above msl. Highest water level 0.97 below lsd, Apr. 23, 1952; lowest 4.50 below lsd, Nov. 2, 1949. Records available: 1949-53. Jan. 14, 4.32; Mar. 17, 2.86; July 21, 3.40; Oct. 27, 3.20.

30-28-1ad. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter ¾ 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 4.12 below lsd, Jan. 27, Dec. 11, 1950. Records available: 1950-53. Jan. 14, 3 79; Mar. 17, 3.19; July 21, 3.41; Oct. 27, 3.47.

30-28-36aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Land-surface datum is 2,896.36 feet above msl. Highest water level 1.46 below lsd, June 8, 1951; lowest 4.35 below lsd, Aug. 18, 1952. Records available: 1949-53. Jan. 14, 3.00; Mar. 17, 2.07; July 21, 3.99; Oct. 27, 3.33; Dec. 16, 3.46.

30-29-14ac. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 14 feet. Land-surface datum is 2,927.06 feet above msl. Highest water level 1.51 below lsd, Sept. 12, 1951; lowest 3.63 below lsd, Aug. 18, 1952. Records available: 1949-53. Jan. 14, 3.39; Mar. 17, 1.90; July 22, 2.80; Oct. 29, 2.93; Dec. 15, 2.63.

30-29-22bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ 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: 1949-53. Jan. 14, 2.69; Mar. 17, 0.96; July 22, 3.19; Oct. 29, 2.94.

30-30-34cd. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter ¾ inch, depth 21 feet. Land-surface datum is 3,048.61 feet above msl. Highest water level 7.55 below lsd, Nov. 7, 1950; lowest 7.91 below lsd, Mar. 31, 1951. Records available: 1950-51. No measurement made in 1953.

31-25-21bd. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 20 feet. Well reinstalled Aug. 11, 1952. Highest water level 0.10 below lsd, Mar. 27, 1952; lowest 6.38 below lsd, Sept. 12, 1936. Records available: 1936-53. Jan. 14, 4.07; Mar. 17, 1.78; July 21, 4.38; Oct. 27, 4.99.

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 4.06 below lsd, Oct. 27, 1953. Records available: 1950-53. Jan. 14, 3.74; Mar. 17, 0.97; July 21, 3.13; Oct. 27, 4.06.

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 2.96 below lsd, Aug. 18, 1952. Records available: 1950-53. Jan. 14, 2.72; Oct. 29, 2.38.

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: 1950-53. Jan. 14, 6.85; Mar. 17, 6.52; July 21, 5.84; Oct. 27, 6.23.

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, 1950-53. July 22, 2.60; Oct. 27, 1.85.

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 1953.

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. No measurement made in 1953.

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, 1951-53. Oct. 29, 7.07.

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, 1951-53. Oct. 29, 8.90.

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. No measurement made in 1953.

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: 1950-53. Dec. 15, 37.17.

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: 1950-53. Dec. 15, 24.62.

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. No measurement made in 1953.

14-52-5ca. 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 29.93 below lsd, Aug. 8, 1951. Records available: 1934-40, 1950-52. No measurement made in 1953.

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 33.00 below lsd, June 24, 1950. Records available: 1950-52. No measurement made in 1953.

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 74.47 below lsd, Mar. 11, 1953; lowest 77.09 below lsd, July 18, 1948. Records available: 1948-50, 1952-53. Mar. 11, 74.47.

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 6.75 below lsd, Nov. 11, 1953. Records available: 1946-53. May 14, 3.54; Nov. 11, 6.75.

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 6.34 below lsd, Sept. 4, 1947. Records available: 1946-53. May 14, 4.61; Nov. 11, 6.03.

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: 1946-53. May 13, 2.96; Nov. 11, 5.00.

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 17.11 below lsd, Aug. 6, 1946. Records available: 1945-53. May 14, 11.17; Nov. 11, 14.85.

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, 1950-53. Nov. 30, 4.52.

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 9.93 below lsd, Jan. 16, 1951. Records available: 1950-53. Nov. 30, 9.54.

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: 1950-53. Nov. 30, 7.54.

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 10.71 below lsd, Jan. 16, 1951. Records available: 1950-53. Nov. 30, 10.57.

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 10.83 below lsd, Mar. 8, 1951. Records available: 1950-53. Nov. 30, 10.61.

Custer County

13-31-36ca. 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 51.90 below lsd Sept. 7, 1950. Records available: 1950-53. Dec. 29, 51.74.

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 12.05 below lsd, May 31, 1950; lowest 12.63 below lsd, Dec. 29, 1953. Records available: 1950-53. Dec. 29, 12.63.

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 69.38 below lsd, Sept. 26, 1949. Records available: 1949-53. July 17, 65.43.

19-18-9aa. Leonard Owen. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ 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, 1948-53. Feb. 25, 12.57; July 17, 12.68.

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 17.88 below lsd, Dec. 29, 1953. Records available: 1949-53. Dec. 29, 17.88.

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 12.88 below lsd, Sept. 7, 1949. Records available: 1949-53. July 16, 11.84.

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 33.09 below lsd, Aug. 24, 1949. Records available: 1949-53. July 16, 32.37.

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 21.94 below lsd, Aug. 10, 1950. Records available: 1949-53. July 16, 17.78.

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: 1934-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	20.67	Apr. 27	19.87	July 22	19.28	Oct. 21	20.92
Feb. 23	20.62	May 26	19.34	Aug. 24	19.88	Nov. 25	20.51
Mar. 22	20.25	June 22	19.15	Sept. 26	20.86	Dec. 21	20.39

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 13.32 below lsd, Oct. 16, 1937. Records available: 1930-53. Apr. 22, 9.54; Nov. 17, 12.14.

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 6.29 below lsd, Sept. 21, 1934. Records available: 1931-43, 1945-53. Apr. 22, 3.89; Nov. 16, 5.36.

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: 1930-53. Mar. 25, *3.19; Apr. 22, 3.22; June 20, *3.65; Sept. 23, *4.01; Oct. 23, 3.68; Nov. 16, 3.29. *By Central Nebraska Public Power and Irrigation District.

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: 1930-53. Mar. 25, *9.15; Apr. 22, 9.03; June 20, *9.29; Sept. 23, *12.63; Nov. 16, 11.24; Dec. 11, *10.77. *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: 1949-53. Apr. 24, 28.03; Nov. 17, 28.24.

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: 1945-53. Apr. 24, 15.30; Nov. 17, 15.25.

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 156.44 below lsd, Nov. 17, 1953; lowest 170.74 below lsd, May 11, 1949. Records available: 1949-53. Apr. 24, 158.82; Nov. 17, 156.44.

10-20-35bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ 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 20.10 below lsd, Nov. 17, 1953. Records available: 1946-53. Apr. 22, 18.39; Oct. 21, 20.36; Nov. 17, 20.10.

10-21-31da. U. S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diameter 1½ 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 9.27 below lsd, Sept. 21, 1934. Records available: 1930-53. Apr. 22, 7.93.

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 7.45 below lsd, Nov. 5, 1940. Records available: 1931-43, 1945-53. Apr. 22, 4.83; Nov. 17, 7.32.

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 9.26 below lsd, Nov. 17, 1953. Records available: 1945-53. Apr. 22, 8.39; Nov. 17, 9.26.

10-23-29bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ 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: 1946-53. Apr. 24, 6.51; Oct. 27, *7.84; Nov. 17, 7.44. *By Midstate Irrigation District.

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: 1946-53. Apr. 24, 12.59; Nov. 17, 11.60.

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: 1948-53. Aug. 26, 62.47.

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, 1940-53. Apr. 22, 26.27; Oct. 23, 26.36; Nov. 16, 26.61.

11-23-23cc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ 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 5.28 below lsd, Sept. 6, 1946. Records available: 1946-53. Apr. 22, 4.11; Oct. 27, 4.97; Nov. 17, 4.88.

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 14.97 below lsd, Sept. 22, 1934. Records available: 1932, 1934-42, 1944-53. Nov. 17, 13.93.

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, 1944-53. Apr. 24, 7.69; Nov. 17, 6.26.

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 30.40 below lsd, July 11, 1946. Records available: 1932, 1934-40, 1942, 1944-53. Apr. 22, 27.87; Nov. 17, 28.82.

Deuel County

12-44-18bb. P. Nass. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 92 feet. Records available: 1950. No measurement made in 1953.

13-45-23cb. 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 12.94 below lsd, June 20, 1950. Records available: 1950-52. No measurement made in 1953.

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 14.14 below lsd, Mar. 29, 1951. Records available: 1950-52. No measurement made in 1953.

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, 1944-53. May 13, 1.19; Nov. 11, 3.70.

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: 1940-53. May 14, 9.63; Nov. 11, 11.06.

A18-6-25cc. Owner unknown. 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 11.14 below lsd, Nov. 11, 1953. Records available: 1947-53. May 14, 7.77; Nov. 11, 11.14.

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: 1940-53. May 14, 65.47; Nov. 12, 65.68.

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 3.32 below lsd, Nov. 30, 1953. Records available: 1950-51, 1953. Nov. 30, 3.32.

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 72 57 below lsd, Mar. 8, 1951. Records available: 1950-53. Nov. 30, 71.91.

Dundy County

1-37-19ba. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 18 feet. Land-surface datum is 2,989 feet above msl. Highest water level 7.12 below lsd, Apr. 5, 1949; lowest 16.03 below lsd, Sept. 16, 1953. Records available: 1946-53. Mar. 18, 11.10; May 12, 11.70; July 13, 14.18; Sept. 16, 16.03.

1-37-31cd. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Land-surface datum is 3,006 feet above msl. Highest water level 3.21 below lsd, Apr. 5, 1949; lowest 6.79 below lsd, Sept. 16, 1953. Records available: 1946-53. Mar. 18, 5.27; May 12, 5.03; July 13, 6.24; Sept. 16, 6.79.

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 21.83 below lsd, Dec. 9, 1952. Records available: 1948-53. Mar. 18, 19.68; May 12, 20.15; July 13, 20.56; Sept. 16, 20.86.

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, 1946-53. Mar. 18, 5.24; May 12, 4.67; July 13, 5.50; Sept. 16, 5.94.

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 12.83 below lsd, Oct. 25-Nov. 5, 1953. Records available: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.96	11.93	11.92	11.92	11.91	11.92	12.14	12.36	12.55	12.75	12.83	12.74
2	11.96	11.93	11.92	11.92	11.91	11.93	12.15	12.37	12.56	12.76	12.83	12.75
3	11.96	11.93	11.92	11.92	11.91	11.94	12.16	12.38	12.57	12.76	12.83	12.75
4	11.96	11.93	11.92	11.92	11.91	11.95	12.17	12.39	12.57	12.76	12.83	12.74
5	11.96	11.93	11.92	11.92	11.91	11.96	12.18	12.40	12.58	12.77	12.83	12.74
6	11.96	11.92	11.92	11.92	11.91	11.97	12.19	12.41	12.58	12.78	12.82	12.74
7	11.95	11.92	11.92	11.92	11.91	11.97	12.20	12.41	12.59	12.78	12.82	12.73
8	11.95	11.92	11.92	11.92	11.91	11.97	12.20	12.42	12.60	12.79	12.81	12.73
9	11.95	11.92	11.92	11.92	11.91	11.98	12.21	12.43	12.61	12.79	12.81	12.73
10	11.95	11.92	11.92	11.92	11.91	11.99	12.22	12.44	12.61	12.79	12.81	12.73
11	11.94	11.92	11.92	11.92	11.90	12.00	12.23	12.45	12.62	12.79	12.80	12.72
12	11.94	11.92	11.92	11.92	11.90	12.01	12.24	12.45	12.62	12.80	12.80	12.72
13	11.94	11.92	11.91	11.92	11.86	12.02	12.25	12.46	12.63	12.80	12.81	12.72
14	11.94	11.92	11.91	11.92	11.87	12.02	12.25	12.47	12.64	12.80	12.81	12.72
15	11.94	11.92	11.91	11.92	11.87	12.03	12.25	12.47	12.65	12.80	12.80	12.72
16	11.94	11.92	11.91	11.92	11.87	12.03	12.25	12.48	12.67	12.80	12.80	12.71
17	11.94	11.92	11.91	11.92	11.87	12.04	12.26	12.48	12.68	12.81	12.80	12.71
18	11.94	11.92	11.91	11.92	11.87	12.04	12.27	12.49	12.68	12.81	12.79	12.71
19	11.94	11.92	11.91	11.92	11.87	12.04	12.28	12.49	12.68	12.81	12.79	12.71
20	11.94	11.92	11.91	11.92	11.87	12.05	12.28	12.50	12.69	12.81	12.79	12.70
21	11.94	11.92	11.91	11.92	11.87	12.06	12.29	12.50	12.70	12.82	12.79	12.71
22	11.94	11.92	11.91	11.92	11.87	12.07	12.29	12.50	12.70	12.82	12.78	12.71
23	11.93	11.92	11.91	11.92	11.87	12.08	12.30	12.51	12.71	12.82	12.77	12.71
24	11.93	11.92	11.91	11.92	11.87	12.08	12.30	12.51	12.71	12.82	12.77	12.71
25	11.93	11.92	11.92	11.92	11.88	12.09	12.31	12.51	12.72	12.83	12.77	12.70
26	11.93	11.92	11.92	11.92	11.88	j12.10	12.32	12.52	12.72	12.83	12.76	12.70
27	11.93	11.92	11.92	11.92	11.89	12.11	12.33	12.52	12.73	12.83	12.76	12.70
28	11.93	11.92	11.92	11.91	11.89	12.12	12.33	12.53	12.73	12.83	12.75	12.69
29	11.93		11.92	11.91	11.89	12.12	12.34	12.53	12.74	12.83	12.75	12.69
30	11.93		11.92	11.91	11.90	12.13	12.35	12.54	12.74	12.83	12.75	12.69
31	11.93		11.92		11.91		12.36	12.55		12.83		12.68

j Measurements from June 26 through July 12 interpolated.

1-41-27ca. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Land-surface datum is 3,247 feet above msl. Highest water level 2.86 below lsd, Feb. 8, 1949; lowest 5.70 below lsd, Aug. 16, 1946. Records available: 1946-53. Mar. 18, 3.80; May 12, 3.93; July 13, 4.53; Sept. 16, 4.78.

1-42-13bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Land-surface datum is 3,318 feet above msl. Highest water level 3.21 below lsd, Apr. 5, 1949; lowest 5.78 below lsd, Sept. 16, 1953. Records available: 1946-53. Mar. 18, 4.17; May 12, 4.24; July 13, 5.23; Sept. 16, 5.78.

1-42-36aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 17 feet. Land-surface datum is 3,292 feet above msl. Highest water level 9.37 below lsd, Aug. 10, 1950; lowest 11.62 below lsd, Feb. 8, 1949. Records available: 1946-53. Mar. 18, 9.90; May 12, 10.04.

2-36-31bc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 28 feet. Land-surface datum is 2,916 feet above msl. Highest water level 18.83 below lsd, June 3, 1952; lowest 22.84 below lsd, Oct. 6, 1948. Records available: 1946-53. Mar. 18, 20.31; May 12, 20.29; July 13, 20.98; Sept. 16, 21.55.

Franklin County

1-13-2bc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ 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: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	8.55	May 22	8.76	July 24	9.20	Sept. 25	9.07
Mar. 13	8.67	June 23	8.76	Aug. 20	9.06	Dec. 18	8.73

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. 10, 1940. Records available: 1940-42, 1946-53.

Jan. 19	3.43	May 19	3.99	July 21	4.78	Sept. 27	4.59
Mar. 9	3.56	June 18	4.38	Aug. 17	5.13	Nov. 30	4.26

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: 1946-53. Jan. 19, 40.04; Mar. 9, 39.83; May 19, 40.15; June 18, 40.12; July 21, 40.35; Sept. 22, 41.52; Nov. 30, 41.40.

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 48.23 below lsd, Oct. 20, 1949; lowest 51.10 below lsd, Aug. 5, 1948. Records available 1947-53.

Jan. 22	49.73	May 22	49.72	July 24	49.69	Sept. 25	49.28
Mar. 13	49.69	June 23	49.67	Aug. 20	49.76	Dec. 18	49.81

4-14-10da. Gilgen Bros. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 12 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. No measurement made in 1953.

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 7.04 below lsd, Sept. 25, 1952. Records available: 1946-53.

Feb. 24	5.18	May 26	4.97	July 29	5.91	Oct. 28	6.82
May 4	4.61	July 3	5.48	Aug. 26	6.63	Dec. 30	5.67

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: 1946-53.

Feb. 24	8.96	May 28	8.92	July 28	7.86	Oct. 28	9.88
May 1	8.76	July 3	7.88	Aug. 26	8.84	Dec. 30	9.58

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 1953.

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 12.08 below lsd, Aug. 14, 1953; lowest 17.60 below lsd, Aug. 13, 1946. Records available: 1946-53.

Feb. 24	14.44	July 3	14.16	Aug. 26	12.15	Oct. 28	13.75
May 1	14.38	29	13.46	Sept. 30	12.96	Dec. 29	13.92
26	14.49	Aug. 14	12.08				

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 28.42 below lsd, June 10, 1949; lowest 30.89 below lsd, Sept. 13, 1943. Records available: 1936-44, 1946-53.

4-23-23bd--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 17	28.88	July 3	29.23	Aug. 26	28.74	Oct. 28	30.02
May 1	28.96	29	29.38	Sept. 30	29.86	Dec. 29	29.55
26	29.06						

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 54.69 below lsd, Aug. 2, 1948. Records available: 1946-53.

Feb. 17	52.84	May 28	52.92	July 28	53.38	Oct. 29	54.28
May 1	52.92	July 3	53.46	Sept. 30	54.17	Dec. 30	53.73

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 10.68 below lsd, Aug. 29, 1952; lowest 14.20 below lsd, Aug. 14, 1946. Records available: 1946-53.

Feb. 17	12.19	July 2	12.06	Aug. 25	10.83	Oct. 27	11.94
May 1	12.36	27	11.86	Sept. 30	11.69	Dec. 29	12.35
26	12.05	Aug. 14	10.83				

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, 1948-53. Aug. 24, 26.73.

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, 1948-53. Aug. 24, 3.90.

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: 1933-53.

Jan. 2	2.40	Mar. 20	1.70	July 3	3.10	Oct. 2	3.70
12	2.00	27	1.90	24	3.40	16	3.70
19	1.90	Apr. 3	1.80	30	3.20	30	3.00
23	1.80	13	1.40	Aug. 7	3.10	Nov. 6	3.30
Feb. 2	1.80	17	1.70	17	3.30	16	2.50
9	1.80	24	1.80	27	3.40	27	2.40
13	1.70	May 1	1.40	Sept. 8	3.50	Dec. 4	2.30
25	1.80	8	1.80	14	3.70	11	2.30
27	1.70	22	2.20	18	3.60	18	2.10
Mar. 6	1.40	29	2.40	25	3.60	28	2.10

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: 1934-53.

Jan. 9	3.90	Apr. 13	3.30	July 10	4.00	Oct. 2	4.50
19	3.80	17	3.30	24	4.20	16	4.60
23	3.70	27	3.40	31	4.80	30	4.10
30	3.60	May 1	3.20	Aug. 7	3.90	Nov. 6	4.10
Feb. 9	3.70	8	3.10	17	3.00	16	4.00
13	3.70	22	3.30	27	3.00	26	4.00
25	3.60	29	3.40	Sept. 8	4.20	Dec. 4	3.20
27	3.60	June 4	3.50	14	4.30	11	3.10
Mar. 20	3.50	15	3.50	18	4.40	18	3.20
27	3.60	26	3.90	25	4.50	28	3.20
Apr. 3	3.60						

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 24.86 below lsd, Apr. 17, 1952. Records available: 1950-53. July 14, 23.89.

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, 1952-53. Feb. 25, 2.54.

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 114.78 below lsd, Oct. 18, 1951; lowest 123.72 below lsd, Oct. 16, 1948. Records available: 1948-52. No measurement made in 1953.

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 97.42 below lsd, Aug. 28, 1953; lowest 117.80 below lsd, Sept. 26, 1935. Records available: 1934-40, 1948-53. Aug. 28, 97.42.

7-21-15bb. Sophia Swartz. Drilled unused water-table well in sand of Pleistocene age, diameter 3 inches, depth 221 feet. Highest water level 191.66 below lsd, Aug. 28, 1953; lowest 199.49 below lsd, Mar. 20, 1950. Records available: 1950-53. Aug. 28, 191.66.

7-22-8bb. Owner unknown. 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 227.36 below lsd, Aug. 28, 1953; lowest 251.65 below lsd, Nov. 25, 1947. Records available: 1947-53. Aug. 28, 227.36.

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: 1946-53. May 1, 13.10; Nov. 19, 14.29.

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, 1946-53. June 15, 4.16; Sept. 30, 4.95.

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, 1944-53. June 15, 12.61; Sept. 30, 13.03.

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: 1948-53. July 14, 12.80.

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: 1949-53. July 14, 18.33.

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: 1937-41, 1948-53. Oct. 13, 9.68.

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. Oct. 13, 9.71.

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 6.87 below lsd, Sept. 7, 1946. Records available: 1946-53. May 4, 3.95; Sept. 17, 5.65.

9-11-21bb. U. S. Geol. Survey. Driven observation water-table well in sand, diameter 1¼ 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 9.98 below lsd, Oct. 21, 1953. Records available: 1946-53. May 4, 7.57; Sept. 17, 9.71; Oct. 21, *9.98. By Midstate Irrigation District.

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 23.58 below lsd, Sept. 15, 1953. Records available: 1930-53. Sept. 15, 23.58.

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 15.32 below lsd, Sept. 3, 1946, Sept. 17, 1953. Records available: 1946-53. May 4, 13.46; Sept. 17, 15.32.

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 feet above msl Highest water level 15.20 below lsd, July 5, 1949; lowest 21.31 below lsd, Sept. 16, 1953. Records available: 1930-53. Sept. 16, 21.31.

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 23.92 below lsd, Aug. 18, 1944. Records available: 1930-53. Sept. 17, 23.04; Oct. 21, *21.58. *By Midstate Irrigation District.

11-9-27bc. City of Grand Island. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches. Highest water level 6.00 below lsd, July 10, 1947; lowest 12.52 below lsd, Sept. 24, 1953. Records available: 1942-53. Feb. 4, 10.62; Sept. 15, 12.16; Sept. 24, 12.52.

11-10-16bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 19 feet. Land-surface datum is 1,892.50 feet above msl. Highest water level 7.35 below lsd, May 19, 1952; lowest 11.07 below lsd, May 8, 1946. Records available: 1946-53. Mar. 17, 8.51; Sept. 15, 9.14; Oct. 20, *9.27. *By Midstate Irrigation District.

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 17.10 below lsd, Oct. 4, 1946. Records available: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.89	14.95	14.98	14.97	14.98	14.94	14.80	15.50	16.89	16.38	16.43	16.52
2	14.89	14.95	14.97	14.97	15.00	14.94	14.80	15.63	16.87	16.37	16.43	16.51
3	14.88	14.96	14.97	14.97	15.02	14.90	14.80	15.65	16.87	16.37	16.44	16.50
4	14.88	14.96	14.97	14.97	15.02	14.90	14.79	15.82	16.80	16.38	16.45	16.51
5	14.88	14.96	14.98	14.97	15.02	14.90	14.79	15.90	16.80	16.38	16.45	16.52
6	14.88	.....	14.99	14.96	15.00	14.90	14.79	15.95	16.70	16.37	16.45	16.52
7	14.89	.....	14.99	14.95	15.00	14.90	14.79	16.08	16.63	16.37	16.45	16.53
8	14.90	.....	14.99	14.96	15.00	14.89	14.79	16.15	16.58	16.37	16.46	16.53
9	14.90	.....	14.97	14.98	15.07	14.89	14.80	16.22	16.55	16.37	16.46	16.53
10	14.90	.....	14.95	14.98	15.09	14.90	14.80	16.24	16.51	16.37	16.46	16.53
11	14.88	.....	14.95	14.98	15.00	14.90	14.81	16.24	16.49	16.37	16.46	16.54
12	14.88	14.97	14.95	14.98	15.02	14.90	14.82	16.20	16.47	16.38	16.46	16.54
13	14.88	14.97	14.94	14.98	15.02	14.88	14.83	16.27	16.45	16.38	16.46	16.54
14	14.92	14.95	14.93	14.97	15.01	14.86	14.85	16.34	16.43	16.38	16.46	16.55
15	14.92	14.95	14.94	14.99	14.99	14.86	14.88	16.44	16.42	16.38	16.46	16.55
16	14.92	14.97	14.93	14.99	14.99	14.86	14.90	16.49	16.44	16.38	16.47	16.55
17	14.92	14.97	14.93	14.99	14.99	14.86	14.92	16.50	16.43	16.38	16.47	16.56
18	14.93	14.97	14.93	15.00	15.00	14.84	15.00	16.59	16.42	16.38	16.47	16.56
19	14.92	14.95	14.93	15.00	14.99	14.83	15.15	16.67	16.41	16.39	16.47	16.55
20	14.93	14.98	14.91	15.00	14.98	14.85	15.38	16.67	16.40	16.39	16.48	16.55
21	14.94	14.99	14.92	14.97	14.98	14.85	15.52	16.59	16.40	16.40	16.48	16.56
22	14.94	14.98	14.93	14.97	15.00	14.85	15.52	16.54	16.40	16.41	16.48	16.57
23	14.94	14.98	14.95	14.97	15.00	14.85	15.56	16.50	16.39	16.41	16.48	16.57
24	14.94	14.98	14.97	14.96	14.97	14.83	15.60	16.50	16.38	16.41	16.49	16.57
25	14.94	14.98	14.97	14.99	14.98	14.83	15.67	16.57	16.38	16.41	16.50	16.57
26	14.94	14.97	14.97	15.00	15.01	14.83	15.67	16.67	16.38	16.41	16.50	16.57
27	14.94	14.98	14.97	14.99	15.02	14.82	15.63	16.76	16.37	16.41	16.51	16.57
28	14.95	14.98	14.97	14.95	15.02	14.82	15.55	16.83	16.37	16.42	16.51	16.57
29	14.94		14.95	14.95	14.97	14.82	15.47	13.91	16.37	16.42	16.51	16.57
30	14.93		14.94	14.97	14.94	14.81	15.44	16.92	16.38	16.42	16.52	16.57
31	14.95		14.95		14.94		15.42	16.81		16.43		16.57

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 feet above msl. Highest water level 29.04 below lsd, May 20, 1931; lowest 36.82 below lsd, Sept. 15, 1953. Records available: 1930-41, 1943-53. Sept. 15, 36.82.

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 feet above msl. Highest water level 19.90 below lsd, July 5, 1949; lowest 26.07 below lsd, Sept. 4, 1946. Records available: 1930-40, 1943-53. Sept. 15, 24.10.

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 13.51 below lsd, Sept. 15, 1953. Records available: 1946-53. Sept. 15, 13.51.

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: 1946-53. Mar. 17, 8.09; Sept. 15, 9.38; Oct. 20, *9.81. *By Midstate Irrigation District.

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, 1946-49. No measurement made in 1953.

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. No measurement made in 1953.

10-7-5bb. Owner unknown. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches. Land-surface datum is 1,864.05 feet above msl. Records available: 1949. No measurement made in 1953.

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 94.23 below lsd, Jan. 21, 1941. Records available: 1934-42, 1944, 1946-53. Nov. 13, 94.06.

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 32.23 below lsd, Sept. 3, 1946. Records available: 1946-53. Apr. 28, 27.82.

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 12.20 below lsd, Nov. 13, 1953. Records available: 1949-53. Apr. 28, 11.69; Nov. 13, 12.20.

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, 1946-53. Apr. 28, 8.65; Nov. 12, 10.64.

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: 1949-53. Apr. 28, 2.71; Nov. 12, 5.00.

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: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	7.16	May 19	6.99	July 21	7.85	Sept. 22	9.06
Mar. 9	6.03	June 18	7.30'	Aug. 17	8.54	Nov. 30	7.96

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, 1946-53. Feb. 25, 12.88; May 4, 12.60; May 27, 12.56; July 9, 12.24; July 30, 12.62; Sept. 4, 12.89; Oct. 30, 13.47.

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 11.18 below lsd, Oct. 30, 1953. Records available: 1940-41, 1946-53. Feb. 25, 9.29; May 4, 9.25; May 27, 9.47; July 9, 9.33; July 30, 10.00; Sept. 4, 10.69; Oct. 30, 11.18.

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, 1947; lowest 17.71 below lsd, Oct. 30, 1953. Records available: 1946-53. May 27, 15.16; July 9, 15.76; July 30, 15.96; Sept. 4, 17.18; Oct. 30, 17.71.

Hayes County

5-33-31dc. 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 14.82 below lsd, Oct. 8, 1947. Records available: 1936-44, 1946-53. Mar. 17, 13.01; May 11, 12.91; June 16, 13.03; July 15, 13.91; Aug. 10, 14.03; Sept. 15, 14.76.

5-34-30ba. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 17 feet. Highest water level 9.63 below lsd, Feb. 8, 1949; lowest 11.84 below lsd, Dec. 6, 1950. Records available: 1946-53. Mar. 17, 11.20; May 11, 11.02; June 16, 11.12; July 15, 11.04; Aug. 10, 11.06; Sept. 15, 11.23.

5-35-16dd. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Highest water level 6.83 below lsd, Feb. 8, 1949; lowest 9.74 below lsd, Dec. 7, 1950. Records available: 1946-53. Mar. 17, 8.83; May 11, 8.67; June 16, 8.84; July 15, 9.00; Aug. 10, 9.12; Sept. 15, 9.04.

Hitchcock County

2-33-6cb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 16 feet. Highest water level 7.30 below lsd, June 10, 1953; lowest 11.32 below lsd, Oct. 6, 1948. Records available: 1946-53. Mar. 19, 8.85; May 15, 8.87; June 10, 7.30; July 14, 8.12; Aug. 11, 8.73; Sept. 18, 9.82.

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 feet above msl. Highest water level 19.08 below lsd, June 3, 1952; lowest 22.41 below lsd, Sept. 16, 1953 Records available: 1934-41, 1946-53. Mar. 18, 20.78; May 12, 20.70; July 13, 22.56, pumped recently; Sept. 16, 22.41.

2-35-24aa. 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 2,778 feet above msl. Highest water level 3.67 below lsd, June 9, 1949; lowest 8.77 below lsd, Oct. 8, 1947. Records available: 1946-53. Mar. 19, 5.23; May 15, 5.03; June 10, 5.59; July 14, 6.79; Aug. 11, 7.33; Sept. 18, 7.76.

3-31-14bc. U. S. Geol. Survey. Drilled observation water-table well in silt of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 26 feet. Land-surface datum is 2,569 feet above msl. Highest water level 11.82 below lsd, Oct. 8, 1947; lowest 15.88 below lsd, Aug. 15, 1946. Records available: 1946-53. Mar. 17, 14.83; May 11, 15.06; June 8, 14.31; July 15, 14.58; Aug. 10, 14.60; Sept. 15, 14.65.

3-32-11bb. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 18 feet. Highest water level 12.65 below lsd, Feb. 8, 1949; lowest 14.50 below lsd, Sept. 15, 1953. Records available: 1946-53. Mar. 17, 13.75; May 11, 13.70; June 8, 13.96; July 15, 14.24; Aug. 10, 14.46; Sept. 15, 14.50.

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 30.13 below lsd, Sept. 17, 1953. Records available: 1946-53. Feb. 18, 28.23; May 13, 28.00; June 12, 28.32; July 16, 29.51; Aug. 12, 29.90; Sept. 17, 30.13.

3-33-35dc. S. H. Lawrence. Drilled unused water-table well in gravel of Pleistocene age, diameter $1\frac{1}{4}$ 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, 1946-53. Mar. 19, 11.00; May 15, 10.70; June 10, 11.64; July 14, 12.83; Aug. 11, 13.79; Sept. 18, 13.71.

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 14.09 below lsd, Sept. 15, 1953. Records available: 1946-53. Mar. 17, 12.72; May 11, 13.20; June 8, 13.44; July 15, 13.78; Aug. 10, 14.00; Sept. 15, 14.09.

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: 1934-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	7.60	Apr. 15	6.41	July 27	8.48	Oct. 5	8.88
28	7.22	May 11	4.66	Aug. 10	8.50	7	8.71
Feb. 12	7.26	26	6.22	24	8.66	Nov. 2	8.60
25	7.47	June 25	7.60	Sept. 8	8.78	Dec. 1	8.32
Mar. 9	7.20	July 8	8.10	21	8.84	29	7.92
24	6.27	23	8.16				

29-11-9bb. Owner unknown. Drilled unused water-table well in sand of Pleistocene age, diameter 10 inches, depth 15 feet. Land-surface datum is 1,978.58 feet above msl. Highest water level 5.23 below lsd, Sept. 13, 1951; lowest 8.08 below lsd, Oct. 13, 1948. Records available: 1947-51, 1953. Dec. 1, 5.57. Measurement discontinued.

29-13-13dd. Owner unknown. 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: 1947-53. Jan. 5, 31.99; Apr. 6, 31.97; July 23, 32.12; Oct. 28, 34.43.

30-13-27cc. Owner unknown. 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: 1947-53. Jan. 5, 20.84; Apr. 6, 20.31; July 23, 18.29; Oct. 28, 19.85.

30-14-23dd. 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, 1950-53. Jan. 5, 26.86; Apr. 6, 26.86; July 23, 25.83.

31-14-35cb. Owner unknown. 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: 1947-53. Apr. 6, 21.83; July 23, 21.76; Oct. 28, 22.15.

Hooker County

24-31-18cb. U. S. Bureau of Reclamation. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 42 feet. Highest water level 32.51 below lsd, Oct. 5, 1950; lowest 33.26 below lsd, June 30, 1952. Records available: 1948, 1950-53. June 15, 32.79.

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, 1944-53. June 15, 3.20; Sept. 30, 12.07.

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, 1948-53. Feb. 2, 16.10.

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 28.81 below lsd, Sept. 30, 1953. Records available: 1950-53.

13-11-11ba--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	27.06	.....	.....	.....	.....	.....	.....	.....	.....	28.33
2	27.27	.....	27.02	.....	.....	26.94	27.52	.....	.....	.....	.....	28.31
3	.....	.....	27.01	.....	.....	26.96	27.53	.....	.....	.....	28.72	28.25
4	.....	.....	.....	.....	.....	26.97	.....	.....	.....	.....	28.69	28.24
5	.....	.....	.....	.....	.....	27.02	.....	.....	.....	.....	28.68	28.23
6	.....	.....	.....	.....	.....	27.04	.....	.....	.....	.....	28.66	28.24
7	.....	.....	.....	.....	.....	27.04	.....	.....	.....	.....	28.66	28.24
8	.....	.....	.....	.....	.....	26.90	.....	.....	.....	.....	28.64	28.24
9	.....	.....	.....	.....	.....	26.97	.....	.....	.....	.....	28.62	28.24
10	.....	.....	.....	.....	.....	27.00	.....	.....	.....	.....	28.61	28.23
11	.....	.....	.....	.....	26.55	27.02	.....	.....	.....	.....	28.59	28.24
12	.....	.....	.....	.....	.....	27.07	.....	.....	.....	.....	28.59	28.24
13	.....	27.12	.....	.....	.....	27.08	.....	.....	.....	.....	28.57	28.22
14	.....	27.11	.....	26.97	.....	27.09	.....	.....	.....	.....	28.55	28.22
15	.....	27.11	.....	.....	.....	27.11	.....	.....	.....	.....	28.55	28.22
16	.....	27.10	.....	.....	.....	27.18	.....	.....	.....	.....	28.51	28.23
17	.....	27.11	26.97	.....	.....	27.19	.....	28.26	.....	.....	28.48	28.23
18	.....	27.11	26.99	.....	.....	27.19	.....	.....	.....	.....	28.45	28.22
19	.....	27.11	26.99	.....	.....	27.22	.....	.....	.....	.....	28.45	28.20
20	.....	27.07	.....	.....	.....	27.30	.....	.....	.....	.....	28.42	28.18
21	.....	27.10	.....	.....	.....	27.32	.....	.....	.....	.....	28.40	28.18
22	.....	27.11	.....	.....	.....	.....	.....	.....	.....	.....	28.40	28.19
23	.....	27.11	.....	.....	.....	.....	.....	.....	.....	.....	28.38	28.19
24	.....	27.11	.....	.....	.....	.....	.....	.....	.....	.....	28.38	28.18
25	.....	27.10	.....	.....	.....	.....	.....	.....	.....	.....	28.38	28.17
26	.....	27.10	.....	.....	.....	.....	.....	.....	.....	.....	28.37	28.16
27	.....	27.08	.....	.....	.....	.....	27.98	.....	.....	.....	28.37	28.13
28	.....	27.06	.....	.....	.....	.....	.....	.....	.....	.....	28.37	28.12
29	.....		.....	.....	.....	.....	.....	.....	.....	.....	28.37	28.12
30	27.16		.....	.....	.....	.....	.....	.....	28.81	.....	28.37	28.12
31	.....		.....		.....		.....	.....		.....		28.12

13-11-29cb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ 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 6.19 below lsd, Aug. 5, 1953. Records available: 1949-53. Feb. 2, 4.90; Aug. 5, 6.19.

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, 1948-53. Feb. 17, 26.78; July 10, 27.01.

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, 1948-53. Aug. 5, 7.14.

14-10-28dd. School District. Drilled unused water-table well in sand of Pleistocene age, diameter 1¼ inches. Land-surface datum is 1,815.22 feet above msl. Highest water level 4.06 below lsd, May 22, 1945; lowest 6.09 below lsd, Aug. 5, 1953. Records available: 1949-53. Feb. 2, 4.70; Aug. 5, 6.09.

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. No measurement made in 1953.

15-8-9aa. 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. 2-3, 1951; lowest 32.91 below lsd, Feb. 20, 1949. Records available: 1948-53. Feb. 2, 32.15; Aug. 5, 32.80.

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 8.46 below lsd, June 29, 1948; lowest 11.53 below lsd, Sept. 2, 1949. Records available: 1946-52. No measurement made in 1953.

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: 1950-53. Recording gage removed Sept. 8, 1953.

Daily lowest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	.....	42.29	42.07	42.00	41.94	41.97	43.65	48.74	49.16
2	42.29	42.30	42.04	41.99	41.95	41.96	43.51	48.50	49.42
3	42.28	42.28	42.05	41.98	41.95	41.94	42.95	48.90	49.05
4	42.28	42.27	42.05	41.98	41.96	41.96	43.25	48.98	50.53
5	42.29	.....	42.05	41.98	41.96	41.97	43.43	49.02	49.02
6	42.29	.....	42.08	41.97	.....	41.97	46.60	49.08	46.13
7	42.28	42.29	42.05	41.97	41.94	41.96	46.75	49.15	45.84
8	42.32	.....	42.05	42.00	41.95	41.97	47.55	48.98	45.60
9	42.30	.....	42.02	42.00	41.93	41.97	47.60	48.95	.....
10	42.30	42.27	42.02	42.00	41.99	41.97	47.58	48.52	.....
11	42.25	42.27	42.02	42.00	42.00	41.97	47.32	48.84	.....
12	42.28	42.28	42.04	42.00	42.00	41.97	47.47	47.25	.....
13	42.28	42.28	42.03	41.98	42.00	41.95	47.77	46.17	.....
14	42.28	42.25	42.03	41.97	41.96	41.94	47.85	46.13	.....
15	42.33	42.25	42.05	.....	41.94	41.95	47.94	49.13	.....
16	42.32	42.27	42.04	.....	41.94	41.95	48.14	49.50	.....
17	42.27	42.25	42.03	.....	41.96	41.95	48.22	48.62	.....
18	42.28	42.22	42.04	.....	41.97	42.27	48.18	49.12	.....
19	42.29	42.21	42.02	.....	41.95	44.90	48.24	49.27	.....
20	42.29	42.23	42.00	.....	41.95	45.17	48.25	49.37	.....
21	42.28	42.24	42.02	.....	41.97	43.52	48.30	49.48	.....
22	42.29	42.20	42.02	.....	41.98	45.48	48.32	48.65	.....
23	42.26	42.18	42.02	41.93	41.98	45.93	47.94	49.18	.....
24	42.27	42.15	42.03	41.94	41.94	46.15	46.95	49.28	.....
25	42.24	42.15	42.04	41.98	41.98	46.55	46.32	49.38	.....
26	42.28	42.10	42.03	41.98	41.99	46.61	48.33	49.43	.....
27	42.28	42.10	42.03	.....	41.98	46.86	48.46	46.96	.....
28	42.26	42.10	42.02	41.93	41.95	44.53	48.52	46.08	.....
29	42.26		41.98	41.92	41.94	44.12	48.56	45.80	.....
30	42.28		41.99	41.93	41.94	43.89	48.53	45.58	.....
31	42.29		41.99		41.97		48.65	48.84	

* No record for October, November, and December.

Jefferson County

A1-4-19ac. Robert Garrett. Drilled unused water-table well in glacial drift, diameter 5 inches, depth 35 feet. Highest water level 28.31 below lsd, July 1, 1938; lowest 31.43 below lsd, Oct. 23, 1937. Records available: 1934-40, 1946. No measurement made in 1953.

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. Dec. 30, 140.48.

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 157.37 below lsd, Aug. 20, 1953; lowest 158.53 below lsd, Sept. 14, 1948. Records available: 1948-53. Aug. 20, 157.37.

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 99.69 below lsd, Nov. 17, 1953; lowest 108.15 below lsd, Aug. 8, 1947. Records available: 1947-53.

Lowest water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	100.30	Feb. 14	100.28	Aug. 25	100.48	Aug. 30	100.50
Feb. 10	100.53	15	100.25	26	100.51	31	100.53
11	100.42	16	100.35	27	100.53	Sept. 1	100.58
12	100.44	Apr. 13	100.06	28	100.48	2	100.49
13	100.40	May 7	99.97	29	100.47	3	100.69

5-15-3ba--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 4	100.67	Sept. 14	100.49	Sept. 24	100.45	Nov. 11	99.91
5	100.60	15	100.55	25	100.51	12	99.88
6	100.58	16	100.51	Nov. 3	100.11	13	99.78
7	100.55	17	100.33	4	100.09	14	99.75
8	100.48	18	100.54	5	100.07	15	99.70
9	100.48	19	100.52	6	99.88	16	99.73
10	100.47	20	100.63	7	100.04	17	99.69
11	100.51	21	100.75	8	100.05	18	99.78
12	100.54	22	100.65	9	99.95	19	99.79
13	100.45	23	100.42	10	99.80		

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: 1947-53. Aug. 20, 136.12.

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 83.75 below lsd, June 19, 1952; lowest 89.42 below lsd, Aug. 13, 1947. Records available: 1947-52. No measurement made in 1953.

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. No measurement made in 1953.

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 65.91 below lsd, Dec. 30, 1953; lowest 71.36 below lsd, June 29, 1948. Records available: 1948-53. Dec. 30, 65.91.

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 71.59 below lsd, Dec. 30, 1953; lowest 82.65 below lsd, Apr. 12, 1949. Records available: 1948-53. Dec. 30, 71.59.

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, 1946-53. Dec. 30, 73.44.

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 52.11 below lsd, Aug. 22, 1953; lowest 56.67 below lsd, Nov. 17, 1947. Records available: 1947-53. Aug. 22, 52.11.

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 71.21 below lsd, Aug. 22, 1953; lowest 75.75 below lsd, June 10, 1949. Records available: 1948-53. Aug. 22, 71.21.

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 13.52 below lsd, July 27, 1950; lowest 18.93 below lsd, Aug. 7, 1947. Records available: 1947-51. No measurement made in 1953.

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: 1930-53. Sept. 18, 9.91.

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: 1946-53. May 4, 4.92; Sept. 18, 7.26.

8-16-28aa. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ 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: 1946-53. May 4, 5.58; Aug. 20, 6.72; Sept. 18, 7.11; Oct. 21, *6.99; Nov. 19, 6.75. *By Midstate Irrigation District.

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 11.63 below lsd, Feb. 10, 1951. Records available: 1938-46, 1948-53. Aug. 24, 10.27.

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: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.32	....	....	2.98	....	3.56	....	4.33	4.46	....	....	3.23
2	3.32	....	....	2.97	....	3.56	....	4.34	4.48	....	....	3.24
3	....	3.08	....	2.97	....	3.59	4.02	4.33	4.49	....	....	3.22
4	....	3.08	2.73	2.98	2.50	3.63	....	....	4.50	....	....	3.20
5	....	3.08	2.70	2.98	2.54	3.65	....	....	4.50	4.84	....	3.17
6	....	3.04	2.61	....	2.59	3.66	....	....	4.51	4.84	....	3.19
7	....	3.03	2.63	....	2.65	3.61	....	4.38	4.51	4.83	....	3.21
8	....	3.02	2.65	2.80	2.69	3.41	....	4.40	4.52	4.78	....	3.24
9	....	3.02	2.65	2.78	2.72	....	....	4.43	4.55	4.73	....	3.20
10	....	3.02	2.66	2.70	2.77	3.36	....	4.44	4.56	4.65	....	3.20
11	....	....	2.70	2.69	2.86	3.40	....	4.46	4.57	4.66	....	3.19
12	....	....	2.73	2.67	2.91	3.46	....	4.48	4.57	4.44	....	3.21
13	3.05	....	2.76	2.70	2.93	3.47	3.79	4.51	4.58	....	....	3.24
14	3.04	....	2.82	2.69	2.95	3.50	3.86	4.53	4.61	....	....	3.29
15	3.09	....	2.85	2.72	2.98	3.56	3.96	4.53	4.62	....	....	3.29
16	3.11	4.01	2.87	2.72	3.01	3.60	4.01	4.53	4.63	....	....	....
17	3.12	4.01	2.90	2.75	3.03	3.65	4.04	4.50	4.65	....	....	....
18	3.14	4.00	2.94	2.75	3.06	3.74	4.06	4.48	4.65	....	....	3.28
19	3.13	3.99	....	2.74	3.07	3.78	4.06	4.48	4.66	4.87	....	3.28
20	3.11	3.01	....	2.72	3.10	3.79	4.04	....	4.66	4.84	....	3.23
21	3.06	3.04	....	2.69	3.15	3.72	3.97	4.41	4.66	4.81	....	3.16
22	3.04	3.07	....	2.68	3.20	3.66	4.00	4.41	4.68	4.79	....	3.15
23	3.02	3.10	3.03	2.68	3.22	3.26	4.03	4.37	4.70	4.78	....	3.16
24	2.97	....	3.05	2.68	3.24	3.36	4.07	4.27	4.72	4.73	....	3.22
25	2.94	....	3.05	2.58	3.31	3.47	4.11	4.18	4.72	4.74	....	3.24
26	2.96	....	3.04	2.64	....	3.60	4.13	4.16	4.73	4.75	....	....
27	....	....	3.03	2.67	....	3.69	4.18	4.18	4.74	....	....	....
28	....	....	3.03	....	....	3.77	4.23	4.24	4.76	....	....	3.15
29	....		3.02	....	....	3.85	4.25	....	4.78	....	....	3.20
30	....		3.04	....	....	....	4.27	....	4.80	....	....	3.20
31	....		3.02		....		4.31	4.42		....		3.19

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 3.74 below lsd, Aug. 17-22, 1946. Records available: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.99	....	....	1.29	....	2.37	....	3.41	3.04	....	....	....
2	1.98	....	....	1.36	....	2.37	....	3.41	3.06	....	....	....
3	....	1.43	....	1.41	....	2.34	2.96	3.39	3.07	....	....	....
4	....	1.46	0.89	1.43	0.69	2.44	3.00	....	3.07	....	....	....
5	....	1.38	.53	1.44	.83	2.48	2.99	....	3.07	3.13	....	....
6	....	1.43	.52	1.46	.95	2.48	3.00	....	3.08	3.13	....	....
7	....	1.44	.60	....	1.09	2.19	3.00	3.47	3.10	3.11	....	....
8	....	1.42	.66	....	1.20	2.03	2.99	3.48	3.12	3.09	....	....
9	....	1.41	.74	....	1.30	....	2.90	3.52	3.14	3.09	....	....
10	....	1.42	.80	.84	1.37	2.22	2.84	3.52	3.16	3.07	....	....

13-36-9ad--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	....	....	0.90	0.84	1.46	2.31	....	3.50	3.17	3.06	....	....
12	....	....	.97	1.02	1.51	2.42	....	3.49	3.18	3.06	....	....
13	1.67	....	1.01	1.11	1.51	2.53	2.86	3.51	3.20	....	....	....
14	1.66	....	1.12	1.23	1.52	2.58	2.91	3.51	3.22	....	....	....
15	1.66	....	1.16	1.30	1.51	2.64	2.97	3.50	3.24	....	....	....
16	1.66	1.35	1.16	1.31	1.51	2.70	3.00	3.40	3.25	....	....	....
17	1.65	1.40	1.23	1.33	1.51	2.73	3.01	3.30	3.26	....	....	....
18	1.65	1.34	1.27	1.35	1.53	2.76	3.03	3.27	3.26	....	....	....
19	1.62	1.33	1.27	1.36	1.57	2.78	3.05	3.25	3.25	3.11	....	....
20	1.56	1.34	....	1.31	1.64	2.78	3.06	....	3.24	3.11	....	....
21	1.49	1.37	....	1.37	1.69	2.62	3.09	3.21	3.24	3.08	....	....
22	1.46	....	....	1.40	1.76	2.54	3.12	3.22	3.22	3.04	....	....
23	1.46	....	1.41	1.41	1.78	2.43	3.13	3.22	3.22	3.03	....	....
24	1.44	....	1.46	1.03	1.82	2.53	3.16	3.14	3.22	3.00	....	....
25	1.44	....	1.47	1.23	1.90	2.63	3.19	3.05	3.22	2.95	....	....
26	1.44	....	1.46	1.24	....	2.71	3.20	3.01	3.21	2.94	....	....
27	....	....	1.46	1.29	....	2.79	3.23	2.99	3.20	....	....	....
28	....	....	1.46	....	....	2.84	3.27	2.98	3.20	....	....	1.92
29	....		1.48	....	....	2.90	3.28	....	3.21	....	....	1.94
30	....		1.50	....	....	....	3.31	....	3.21	....	....	1.94
31	....		1.23		....		3.37	3.02		....		1.93

13-37-3ab. Owner unknown. 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. Dec. 16, 14.71.

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 15.79 below lsd, Aug. 2, 1943. Records available: 1936-53. By Central Nebraska Public Power and Irrigation District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	13.50	Apr. 6	13.20	July 2	13.90	Sept. 30	14.70
Feb. 4	13.20	30	13.20	Aug. 1	14.40	Nov. 4	14.30
Mar. 6	13.90	June 2	13.40	Sept. 2	14.60	Dec. 2	13.90

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 15.70 below lsd, Sept. 2, 1953. Records available: 1936-53. By Central Nebraska Public Power and Irrigation District.

Jan. 8	13.90	Apr. 30	13.30	Aug. 1	15.20	Sept. 30	15.40
Feb. 4	13.40	June 3	13.80	24	15.23	Nov. 4	14.80
Mar. 2	13.30	July 2	14.40	Sept. 2	15.70	Dec. 2	14.20
Apr. 6	13.50						

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 44.19 below lsd, Dec. 16, 1953. Records available: 1935-41, 1944, 1947-51, 1953. Dec. 16, 44.19.

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 167.47 below lsd, Nov. 19, 1942. Records available: 1935-42, 1947, 1949-50. Measurement discontinued.

13-40-22bb. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diameter 2 inches, depth 12 feet. Land-surface datum is 3,292.14 feet above msl. Highest water level 2.64 below lsd, May 8, 1942; lowest 9.24 below lsd, Oct. 6, 1943. Records available: 1939-50. 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 10.80 below lsd, Sept. 30, 1953. Records available: 1936-53.

16-38-7aa--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	g10.40	Apr. 30	10.10	Aug. 31	10.70	Nov. 30	10.20
31	10.40	May 29	10.00	Sept. 30	10.80	30	g10.60
Feb. 28	10.30	June 30	g10.20	Oct. 30	g10.70	Dec. 31	10.50
Mar. 31	10.10	July 31	10.50	31	10.30		

g By Central Nebraska Public Power and Irrigation District.

Kimball County

14-58-1cc. C. Gadekien. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 100 feet. Records available: 1953. Aug. 30, 33.55.

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 22.28 below lsd, Jan. 12, 1951. Records available: 1950-52. No measurement made in 1953.

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 47.92 below lsd, Mar. 29, 1951. Records available: 1951-53. Dec. 15, 47.21.

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 96.28 below lsd, Aug. 30, 1953. Records available: 1935-42, 1950-53. Aug. 30, 96.28.

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 43.74 below lsd, May 23, 1951. Records available: 1936-37, 1951-53. Dec. 15, 42.71.

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 46.82 below lsd, Aug. 30, 1953. Records available: 1950, 1952-53. Aug. 30, 46.82; Dec. 15, 46.70.

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: 1951-53. Aug. 30, 21.90; Dec. 15, 21.50.

Lancaster County

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 8.50 below lsd, Oct. 14, 1953. Records available: 1951-53.

Jan. 21	5.60	Apr. 15	4.81	July 8	6.06	Oct. 14	8.50
Feb. 18	4.07	May 13	4.98	Aug. 13	6.95	Nov. 11	8.49
Mar. 18	4.24	June 10	4.62	Sept. 9	7.97	Dec. 16	8.21

A10-6-1cc. 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: 1949-53. Mar. 28, 19.22; May 24, 19.53; July 30, 23.44; Aug. 30, 21.98; Oct. 11, 23.92.

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 17.46 below lsd, Dec. 29-31, 1953. Records available: 1951-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.66	15.42	15.49	15.79	15.62	15.94	16.12	16.40	16.85	17.13	17.28	.....
2	15.71	15.34	15.51	15.79	15.67	15.94	16.17	16.42	16.85	17.14	17.29	17.39
3	15.71	15.30	15.55	15.79	15.73	15.90	16.17	16.43	16.86	17.16	17.29	17.39
4	15.69	15.27	15.57	15.81	15.74	15.94	16.18	16.45	16.87	17.16	17.30	17.37
5	15.71	15.14	15.58	15.81	15.72	15.98	16.20	16.46	16.88	17.17	17.31	17.37
6	15.70	15.13	15.59	15.77	15.70	15.99	16.22	16.48	16.89	17.18	17.32	17.38
7	15.70	15.13	15.56	15.77	15.73	15.98	16.22	16.50	16.90	17.18	17.32	17.38
8	15.74	15.11	15.56	15.81	15.74	15.87	16.24	16.52	16.90	17.17	17.33	17.39
9	15.75	15.12	15.53	15.82	15.72	15.87	16.25	16.54	16.92	17.18	17.34	17.40
10	15.75	15.09	15.47	15.83	15.75	15.89	16.26	16.56	16.93	17.18	17.34	17.40

A10-6-34ca--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	15.76	15.09	15.51	15.83	15.79	15.92	16.25	16.58	16.94	17.19	17.35	17.41
12	15.69	15.15	15.58	15.83	15.86	15.94	16.26	16.60	16.95	17.20	17.35	17.41
13	15.67	15.15	15.58	15.81	15.87	15.92	16.27	16.60	16.96	17.20	17.35	17.41
14	15.67	15.20	15.55	15.79	15.85	15.94	16.28	16.64	16.97	17.22	17.35	17.41
15	15.73	15.20	15.61	15.86	15.79	15.98	16.29	16.65	16.98	17.22	17.35	17.42
16	15.73	15.35	15.61	15.86	15.80	16.01	16.30	16.67	16.98	17.22	17.35	17.42
17	15.66	15.35	15.61	15.86	15.82	16.01	16.31	16.68	16.98	17.23	17.36	17.43
18	15.66	15.29	15.64	15.88	15.86	15.92	16.31	16.69	17.00	17.23	17.36	17.43
19	15.70	15.27	15.65	15.90	15.86	16.00	16.32	16.70	17.00	17.24	17.37	17.43
20	15.73	15.41	15.60	15.90	15.82	16.06	16.33	16.71	17.03	17.24	17.36	17.43
21	15.69	15.47	15.66	15.80	15.89	16.07	16.32	16.72	17.04	17.24	17.31	17.43
22	15.74	15.44	15.67	15.83	15.92	16.07	16.32	16.73	17.04	17.25	.....	17.44
23	15.74	15.45	15.71	15.85	15.93	16.07	16.33	16.73	17.03	17.25	.....	17.45
24	15.76	15.43	15.73	15.81	15.89	16.05	16.33	16.75	17.04	17.25	.....	17.45
25	15.76	15.42	15.75	15.90	15.94	16.10	16.35	16.76	17.05	17.26	.....	17.45
26	15.72	15.42	15.75	15.92	15.96	16.11	16.37	16.77	17.05	17.27	.....	17.45
27	15.75	15.49	15.77	15.91	15.96	16.12	16.38	16.79	17.06	17.28	.....	17.45
28	15.75	15.50	15.77	15.82	15.87	16.14	16.38	16.79	17.06	17.28	.....	17.45
29	15.69		15.74	15.79	15.82	16.14	16.39	16.81	17.09	17.28	.....	17.46
30	15.60		15.73	15.78	15.85	16.15	16.40	16.83	17.13	17.28	.....	17.46
31	15.50		15.77		15.91		16.40	16.83		17.28		17.46

A11-6-20dc. U. S. Geol. Survey. Drilled observation 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 16.63 below lsd, Nov. 7-10, 1953. Records available: 1951-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.75	.....	15.36	15.71	15.69	15.89	16.11	16.24	16.43	16.57	16.61	16.59
2	15.74	.....	15.38	15.72	15.63	.....	16.12	16.25	16.45	16.57	16.61	16.58
3	15.74	.....	15.39	15.72	15.62	15.90	16.13	16.26	16.46	16.57	16.61	.....
4	15.74	15.42	15.41	15.72	15.62	15.91	16.13	16.27	16.46	16.58	16.61	.....
5	15.73	15.40	15.42	15.73	15.61	15.92	16.13	16.27	16.46	16.58	16.62	.....
6	15.72	15.37	15.44	15.73	.....	15.92	16.13	16.28	16.46	16.58	16.62	16.46
7	15.72	15.31	15.45	15.74	15.63	15.92	16.14	16.26	16.47	16.58	16.63	16.47
8	15.73	15.27	15.46	15.74	15.64	15.91	16.15	16.23	16.47	16.59	16.63	16.48
9	15.73	15.23	15.46	15.75	15.64	15.90	16.16	16.25	16.48	16.59	16.63	16.49
10	15.73	15.21	15.45	15.75	15.66	15.89	16.16	16.27	16.48	16.59	16.63	16.50
11	15.73	15.18	15.47	15.74	15.67	15.93	16.17	16.28	16.49	16.59	16.62	16.52
12	15.72	15.14	15.48	15.75	15.69	15.94	16.17	16.29	16.49	16.59	16.62	16.53
13	15.70	15.14	15.49	15.75	15.72	15.94	16.18	16.30	16.49	16.59	16.62	16.53
14	15.68	15.16	15.48	15.75	15.71	15.95	16.18	16.31	16.50	16.60	16.62	16.54
15	15.69	15.16	15.50	15.76	15.72	15.96	16.19	16.32	16.51	16.60	16.61	16.55
16	15.69	15.20	15.51	15.77	15.73	15.97	16.20	16.32	16.51	16.60	16.61	16.56
17	15.69	15.21	15.51	15.78	15.75	15.98	16.20	16.33	16.51	16.60	16.61	16.57
18	15.69	15.21	15.53	15.79	15.75	15.99	16.21	16.34	16.52	16.60	16.61	16.57
19	15.69	15.22	15.55	15.80	15.75	16.00	16.21	16.34	16.52	16.57	16.62	16.57
20	15.69	15.25	15.55	15.80	15.75	16.02	16.22	16.35	16.52	16.57	16.59	16.57
21	15.69	15.28	15.57	15.79	15.78	16.03	16.22	16.36	16.53	16.58	16.56	16.56
22	15.69	15.28	15.58	15.79	15.80	16.04	16.02	16.37	16.53	16.59	16.55	16.58
23	15.69	15.30	15.60	15.80	15.81	16.05	16.02	16.38	16.53	16.60	16.54	16.58
24	15.68	15.31	15.62	15.80	15.81	16.05	16.05	16.39	16.54	16.60	16.54	16.58
25	15.68	15.31	15.64	15.82	.....	16.07	16.09	16.40	16.54	16.60	16.54	16.57
26	15.67	15.32	15.65	15.82	.....	16.07	16.12	16.40	16.55	16.60	16.55	16.57
27	15.67	15.34	15.66	15.82	15.86	16.08	16.15	16.41	16.55	16.60	16.57	16.57
28	15.67	15.35	15.67	15.81	15.86	16.09	16.17	16.41	16.56	16.61	16.58	16.57
29	15.66		15.67	15.81	15.84	16.10	16.19	16.41	16.57	16.61	16.58	16.57
30	.....		15.69	15.78	15.86	16.10	16.22	16.42	16.57	16.61	16.59	16.58
31	.....		15.70		15.87		16.23	16.43		16.61		16.56

Lincoln County

9-29-4cb. Gustave Roethemeyer. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 286 feet. Highest water level 270.91 below lsd, Nov. 23, 1942; lowest 271.98 below lsd, Nov. 23, 1934. Records available: 1934-42, 1944. Measurement discontinued.

10-32-17cc. J. M. Fristo. Drilled unused water-table well in Ogallala formation, diameter 4 inches, depth 210 feet. Highest water level 144.95 below lsd, Apr. 23, 1953; lowest 148.57 below lsd, Jan. 22, 1941. Records available: 1934-42, 1944, 1953. Apr. 23, 144.95.

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 11.74 below lsd, Aug. 8, 1951. Records available: 1946-53. Apr. 23. 10.07; Nov. 18, 11.19.

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: 1934-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	g5.42	Apr. 14	g5.56	June 18	g6.20	Sept. 21	g6.61
30	g6.54	23	5.66	July 16	g5.80	Nov. 4	g6.27
Feb. 16	g5.67	30	g5.61	Aug. 3	g6.01	18	6.17
Mar. 6	g5.32	May 16	g5.64	Sept. 4	g6.39	Dec. 17	g5.91
23	g5.42	June 3	g5.84				

g By Central Nebraska Public Power and Irrigation District.

12-27-28dd. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter 1¼ 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 13.29 below lsd, Nov. 2, 1950. Records available: 1947-53. Apr. 23, 12.41; Nov. 18, 12.83.

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: 1938-53.

Jan. 12	g4.76	Apr. 14	g4.96	June 18	g5.44	Sept. 21	g5.86
30	g4.76	23	5.11	July 16	g6.41	Nov. 4	g5.10
Feb. 16	g4.87	30	g4.91	Aug. 3	g6.32	18	4.91
Mar. 6	g4.57	May 16	g5.10	Sept. 4	g5.95	Dec. 17	g4.73
23	g4.98	June 3	g5.31				

g By Central Nebraska Public Power and Irrigation District.

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: 1938-53. By Central Nebraska Public Power and Irrigation District.

Jan. 12	4.44	Mar. 23	3.79	June 3	4.30	Sept. 4	5.98
30	4.38	Apr. 14	3.64	18	4.72	21	5.93
Feb. 16	4.33	30	3.62	July 16	5.65	Nov. 4	5.04
Mar. 6	3.77	May 16	3.63	Aug. 3	5.71	Dec. 17	4.51

13-30-21bb. U. S. Geol. Survey. Driven observation water-table well in sand and gravel, diameter 1¼ 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: 1934-53.

Mar. 12	11.05	May 28	11.00	Aug. 13	11.90	Nov. 18	12.05
23	11.01	June 18	11.01	Sept. 18	12.23	Dec. 17	11.80
Apr. 23	10.93	July 10	11.20	21	12.26		

14-30-9ca. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ 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: 1946-53. Mar. 12, *3.45; Apr. 23, 3.48; May 28, *3.73; July 10, *4.75; Aug. 13, *5.40; Sept. 18, *5.45; Nov. 18, 4.47. *By Platte Valley Public Power and Irrigation District.

14-30-33cd. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Land-surface datum is 2,801.66 feet above msl. Highest water level 5.90 below lsd, June 23, 1947; lowest 9.11 below lsd, Nov. 18, 1953. Records available: 1946-53.

Feb. 26	g8.55	May 28	g8.44	Aug. 13	g9.40	Oct. 2	g9.00
Apr. 23	8.56	July 10	g8.78	Sept. 18	g9.00	Nov. 18	9.11

g By Platte Valley Public Power and Irrigation District.

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 4.58 below lsd, Aug. 30, 1940. Records available: 1936-46, 1951. Measurement discontinued.

14-33-27da. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 18 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: 1943-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	5.92	....	5.98	5.93	....	5.65	....	....	....	5.68
2	....	....	5.90	....	5.97	5.92	....	5.64	....	....	....	5.69
3	....	....	5.89	....	5.95	5.90	....	5.67	....	....	....	....
4	....	....	5.89	....	5.94	5.89	....	5.68	5.58	....	....	....
5	....	....	5.89	....	5.95	5.88	....	5.69	5.58	....	....	....
6	....	5.94	5.88	....	5.94	5.87	5.76	....	5.58	....	....	....
7	....	5.94	....	....	5.93	5.84	5.76	5.72	5.59	....	....	....
8	....	5.95	....	....	5.93	5.80	5.75	5.72	5.59	5.64	....	5.70
9	....	5.95	5.84	....	5.93	5.79	5.71	5.68	5.59	5.64	....	5.71
10	....	5.96	5.84	....	5.93	5.78	5.68	5.66	5.69	5.62	....	5.71
11	....	5.96	5.83	....	5.93	....	5.65	5.64	5.69	5.60	....	5.73
12	....	5.97	5.82	....	5.94	....	5.62	5.63	....	5.59	....	5.74
13	....	5.97	5.82	....	5.94	....	5.61	5.61	....	5.58	....	5.76
14	....	....	5.85	....	5.93	....	....	5.62	....	5.58	....	5.77
15	5.90	....	5.85	5.97	5.93	....	....	....	....	5.58	....	5.79
16	5.90	....	5.87	5.96	5.93	....	5.61	....	....	....	....	5.80
17	5.90	....	5.89	5.96	5.93	....	5.62	....	....	....	....	5.80
18	5.91	....	5.90	5.97	5.93	....	5.62	....	....	....	....	5.80
19	5.91	....	5.90	5.98	5.92	....	5.62	....	....	5.71	....	5.80
20	5.91	....	5.91	5.98	5.92	....	5.63	5.63	....	5.71	....	5.80
21	5.91	....	5.92	5.98	....	....	5.63	5.63	....	5.71	....	5.81
22	5.92	....	5.93	5.99	....	....	5.64	5.64	....	5.71	....	5.81
23	....	....	5.95	....	....	5.76	5.65	5.64	....	5.71	....	....
24	....	....	....	....	....	5.76	5.66	5.64	....	5.71	....	....
25	....	....	....	....	....	5.78	5.66	5.62	....	5.71	5.70	....
26	....	....	....	....	....	5.78	5.66	5.61	....	5.71	5.70	....
27	....	5.96	....	....	5.92	5.76	5.65	5.60	....	....	5.69	....
28	....	5.95	....	....	5.92	5.75	....	....	....	....	5.68	....
29	....		....	....	5.94	5.74	5.67	....	....	....	5.68	5.80
30	....		....	6.00	5.93	5.75	5.67	....	....	....	5.68	5.81
31	....		....		5.93		5.65	....		....		....

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 6.83 below lsd, Apr.23, 1953; lowest 9.55 below lsd, Oct. 27, 1941. Records available: 1934-42, 1951-53. Apr. 23, 6.83; Nov. 18, 6.94.

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, 1951-53. Apr. 23, 69.52; Nov. 18, 69.16.

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 23.23 below lsd, Oct. 5, 1950; lowest 24.67 below lsd, Apr. 15, 1952. Records available: 1950-53. July 14, 23.25.

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, 1950-53. July 14, 4.49.

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 11.12 below lsd, July 10, 1951, Feb. 15, 1952; lowest 11.93 below lsd, July 14, 1953. Records available: 1951-53. Feb. 25, 11.52; July 14, 11.93.

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 1.68 above lsd, Mar. 31, 1953; lowest 3.25 below lsd, Aug. 18, 1936. Records available: 1935-51, 1953. Mar. 31, +1.68.

23-2-5aa. John Bredehoft. Drilled unused water-table well in alluvial sand, diameter 1½ inches, depth 31 feet. Highest water level 2.93 below lsd, June 4, 1935; lowest 4.86 below lsd, July 16, 1936. Records available: 1934-37, 1940-42, 1944-53. Dec. 1, 3.83.

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, 1951-53. Apr. 23, 108.90; Nov. 18, 108.62.

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 8.42 below lsd, Nov. 9, 1953. Records available: 1945-53. May 6, 6.89; Sept. 14, 8.06; Nov. 9, 8.42.

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 13.79 below lsd, Sept. 4, 1946. Records available: 1946-53. May 6, 10.25; Sept. 14, 13.62; Oct. 20, *12.85; Nov. 9, 12.39. *By Midstate Irrigation District.

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 3.50 below lsd, Oct. 20, 1953. Records available: 1945-53. May 6, 1.20; Sept. 14, 3.33; Oct. 20, *3.50; Nov. 9, 3.40. *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 7.40 below lsd, Nov. 10, 1953. Records available: 1945-53. May 6, 5.81; Sept. 10, 7.28; Nov. 10, 7.40.

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 6.09 below lsd, Nov. 10, 1953. Records available: 1945-53. May 6, 4.74; Sept. 14, 5.71; Nov. 10, 6.09.

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 7.99 below lsd, Nov. 10, 1953. Records available: 1947-53. May 6, 6.44; Sept. 9, 7.59; Nov. 10, 7.99.

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 6.03 below lsd, Sept. 10, 1953. Records available: 1946-53. May 6, 2.67; Sept. 10, 6.03; Nov. 10, 4.68.

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, 1945-53. Sept. 10, 8.89; Nov. 10, 8.50.

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 9.71 below lsd, Nov. 10, 1953. Records available: 1945-53. May 5, 8.01; Sept. 9, 9.34; Nov. 10, 9.71.

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 6.51 below lsd, Nov. 10, 1953. Records available: 1945-53. May 6, 4.38; Sept. 9, 5.39; Nov. 10, 6.51.

13-5-8dd. 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 15.32 below lsd, Sept. 9, 1953. Records available: 1946-53. May 6, 13.97; Sept. 9, 15.32; Oct. 19, *14.81; Nov. 10, 14.82. *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: 1948-53. Feb. 2, 11.78; May 6, 10.87; Sept. 14, 14.05.

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: 1947-53. May 5, 2.32; Sept. 9, 8.89; Nov. 10, 8.99.

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, 1944-53. May 5, 5.85.

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. Apr. 1, 22.43.

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, 1948-53. Jan. 22, 11.35; Apr. 1, 11.65; June 9, 11.36; Sept. 7, 11.07.

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. Apr. 1, 23.87.

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: 1946-53. June 17, 18.46.

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 15.57 below lsd, Aug. 16, 1950. Records available: 1934-42, 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	13.73	June 9	12.76	July 19	13.19	Sept. 6	13.72
Apr. 1	13.96	17	13.78	Aug. 16	13.27	20	13.75

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 5.80 below lsd, June 10, 1948. Records available: 1930-53. By State Dept. of Roads and Irrigation.

Jan. 2	4.45	Apr. 23	5.02	July 13	3.77	Sept. 20	4.54
5	4.53	28	5.07	16	4.62	25	4.54
12	4.45	May 5	4.43	17	4.57	30	4.52
16	4.45	11	4.66	18	4.52	Oct. 7	4.47
26	4.44	15	4.74	19	4.29	12	4.52
31	4.49	20	4.70	20	4.27	16	4.58
Feb. 5	4.52	26	4.63	21	4.26	20	4.23
10	4.50	June 5	4.76	22	4.42	25	4.14
15	4.57	7	4.59	23	4.49	Nov. 2	4.22
20	4.42	11	4.42	29	4.78	5	4.14
25	4.42	15	4.81	Aug. 5	4.38	6	4.18
28	4.44	19	4.96	9	4.34	11	4.13
Mar. 5	4.41	20	5.74	13	4.27	16	4.26
9	4.47	21	5.74	19	4.16	23	4.43
16	4.44	22	4.32	24	4.94	27	4.29
24	4.91	23	4.29	29	5.04	30	4.38
29	4.65	24	4.28	Sept. 3	4.42	Dec. 5	4.36
31	4.62	25	4.47	8	4.43	10	4.34
Apr. 6	4.60	29	4.00	9	4.62	15	4.42
10	4.04	July 1	4.17	10	4.42	20	4.43
15	4.55	8	3.73	15	5.76	30	4.33
20	4.75						

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: 1946-53. June 16, 1.01; Sept. 20, 1.93.

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 79.04 below lsd, June 16, 1953; lowest 83.03 below lsd, Feb. 19, 1951. Records available: 1934-42, 1944, 1946-53. June 16, 79.04; Sept. 20, 79.12.

Nance County

15-7-6bb. Owner unknown. 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. No measurement made in 1953.

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 7.72 below lsd, Oct. 14, 1953. Records available: 1948-51, 1953. Oct. 14, 7.72.

16-6-14ac. C. A. Aldrich. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 10 inches, depth 51 feet. Land-surface datum is 1,642.19 feet above msl. Highest water level 25.24 below lsd, July 1, 1949; lowest 30.84 below lsd, Oct. 26, 1940. Records available: 1936-37, 1939-42, 1947-52. Measurement discontinued.

17-4-24db. Greek Estate. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 20 feet. Land-surface datum is 1,546 feet above msl. Highest water level 2.18 below lsd, Mar. 21, 1936; lowest 7.51 below lsd, Nov. 20, 1952. Records available: 1934-42, 1948-52. Measurement discontinued.

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: 1948-53. Oct. 14, 12.60.

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 7.19 below lsd, Oct. 14, 1953. Records available: 1948-53. Oct. 14, 7.19.

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. Oct. 13, 43.60.

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: 1949-53. Oct. 13, 39.46.

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: 1948-53. Oct. 14, 12.75.

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: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	17.98	June 23	17.46	Aug. 20	18.26	Sept. 25	18.61
Mar. 12	17.68	July 24	17.65	Sept. 9	18.32	Dec. 17	17.78
May 22	17.87						

1-6-30dd. Marion Day. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 48 feet. Highest water level 31.59 below lsd, Jan. 31, 1952; lowest 33.60 below lsd, Mar. 1, 1947. Records available: 1946-52. No measurement made in 1953.

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: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	2.83	May 20	5.28	July 22	6.01	Sept. 23	6.54
Mar. 10	2.45	June 18	4.87	Aug. 18	6.55	Dec. 1	5.69
Apr. 15	4.27						

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 6.58 below lsd, Sept. 24, 1953. Records available: 1946-53.

Jan. 21	4.76	May 21	4.39	July 23	5.45	Sept. 24	6.58
Mar. 11	3.70	June 3	4.47	Aug. 19	6.25	Oct. 22	6.45
Apr. 16	3.86	22	3.96	Sept. 9	6.34	Dec. 2	5.05
May 5	4.08	July 8	4.97				

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: 1949-53.

Daily lowest water level from recorder graph*

Day	Mar.	Apr.	May	June	July	Aug.	Sept.	Dec.
1	....	5.76	5.63	4.33	5.20	4.43	....	....
2	....	5.75	5.62	4.43	5.28	4.75	....	....
3	....	5.75	5.63	4.55	5.33	4.77	....	....
4	....	5.75	5.66	4.68	5.40	....	....	3.98
5	....	5.75	5.68	4.71	5.47	....	....	4.05
6	....	5.76	5.71	4.74	5.52	....	....	4.13
7	....	5.76	5.73	4.77	5.57	....	....	4.18
8	....	5.76	5.75	1.58	5.59	....	....	4.30
9	....	5.75	5.78	2.25	5.62	....	....	4.35
10	....	5.72	5.81	2.64	5.66	....	....	4.43
11	5.80	5.72	5.78	2.93	5.66	....	....	4.50
12	5.80	5.72	5.77	3.16	5.32	....	....	4.53
13	5.83	5.73	5.79	3.38	4.78	....	....	4.62
14	5.85	5.74	5.84	3.62	4.70	....	....	4.65
15	5.81	5.74	5.85	3.75	4.57	....	....	4.73
16	5.82	5.73	5.85	3.82	4.73	....	....	4.78
17	5.85	5.71	5.88	3.95	4.87	....	....	4.82
18	5.84	5.70	5.90	4.12	5.03	....	....	....
19	5.86	5.67	5.94	4.16	5.14	....	....	....
20	5.88	5.70	5.97	4.35	5.20	....	....	....
21	5.88	5.70	6.04	4.43	5.28	....	....	....
22	5.82	5.70	6.03	4.50	5.35	....	....	....
23	5.82	5.67	6.03	4.58	5.38	....	....	....
24	5.80	5.68	5.99	4.69	5.52	....	5.91	....
25	5.80	5.66	6.00	4.76	5.63	....	....	....
26	5.81	5.63	6.00	4.81	5.73	....	....	....
27	5.79	5.66	6.00	4.93	5.79	....	....	....
28	5.80	5.66	3.08	4.97	5.68	....	....	....
29	5.82	5.65	3.61	5.05	4.92	....	....	....
30	5.82	5.64	3.94	5.12	4.52	....	....	....
31	5.79		4.18		4.41	....		....

* No record for January, February, October, and November.

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 156.12 below lsd, May 24, 1951; lowest 159.81 below lsd, Sept. 8, 1948. Records available: 1947-51. No measurement made in 1953.

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 201.75 below lsd, Apr. 28, 1953; lowest 204.64 below lsd, Sept. 13, 1949. Records available: 1947-53.

5-19-22da--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	202.34	202.34	202.10	202.40	202.39	202.51	202.05	202.10	202.50	202.50	202.33	202.05
2	202.54	202.34	202.20	202.48	202.62	202.37	202.20	202.14	202.37	202.25	202.40	202.05
3	202.56	202.29	202.42	202.47	202.73	202.04	202.15	202.35	202.62	202.65	202.50	201.99
4	202.31	202.25	202.40	202.32	202.73	202.16	202.14	202.38	202.69	202.65	202.48	202.07
5	202.29	202.23	202.50	202.27	202.52	202.28	202.29	202.33	202.57	202.43	202.41	202.33
6	202.29	202.31	202.74	202.02	202.26	202.31	202.37	202.33	202.55	202.45	202.13	202.35
7	202.17	202.31	202.60	202.05	202.16	202.05	202.39	202.43	202.56	202.24	202.41	202.22
8	202.52	202.17	202.59	202.22	202.10	202.14	202.37	202.41	202.42	202.23	202.41	202.44
9	202.59	202.48	202.33	202.59	201.83	202.32	202.37	202.20	202.43	202.24	202.24	202.39
10	202.53	202.60	202.10	202.56	202.23	202.38	202.30	202.20	202.40	202.08	202.15	202.45
11	202.54	202.46	202.21	202.40	202.41	202.37	202.15	202.42	202.47	202.22	202.26	202.55
12	202.14	202.50	202.38	202.38	202.63	202.34	202.12	202.47	202.50	202.30	202.16	202.27
13	202.18	202.43	202.25	202.24	202.63	202.18	202.08	202.30	202.33	202.31	202.10	202.41
14	202.15	202.28	202.40	202.12	202.32	202.07	202.07	202.31	202.32	202.38	202.05	202.42
15	202.82	202.20	202.52	202.47	202.06	202.24	202.14	202.35	202.40	202.35	202.03	202.48
16	202.79	202.57	202.29	202.40	202.08	202.38	202.20	202.35	202.32	202.20	202.10	202.55
17	202.23	202.52	202.24	202.35	202.15	202.20	202.22	202.40	202.29	202.19	201.92	202.45
18	202.15	202.23	202.38	202.53	202.23	201.94	202.13	202.40	202.45	202.29	202.17	202.12
19	202.33	202.02	202.35	202.53	202.15	201.88	202.07	202.37	202.37	202.27	202.21	201.92
20	202.40	202.14	201.91	202.48	202.09	201.95	202.07	202.30	202.64	202.28	202.22	201.93
21	202.27	202.17	202.24	201.88	202.25	202.56	202.30	202.24	202.78	202.43	202.30	202.63
22	202.55	202.38	202.40	202.05	202.37	202.55	202.31	202.26	202.59	202.55	202.22	202.70
23	202.47	202.40	202.60	202.08	202.40	202.25	202.18	202.19	202.27	202.53	202.23	202.46
24	202.50	202.34	202.67	202.04	202.09	202.31	202.18	202.15	202.38	202.25	202.41	202.20
25	202.27	202.22	202.67	202.45	202.40	202.35	202.19	202.22	202.43	202.33	202.47	202.18
26	202.35	202.16	202.52	202.50	202.48	202.33	202.35	202.23	202.26	202.38	202.48	202.15
27	202.41	202.35	202.57	202.30	202.45	202.36	202.35	202.23	202.24	202.21	202.57	202.07
28	202.44	202.35	202.39	201.75	202.32	202.37	202.18	202.18	202.03	202.28	202.43	201.97
29	202.26		201.91	201.88	202.05	202.25	202.23	202.27	202.66	202.28	202.41	202.34
30	202.32		202.18	202.14	202.17	202.20	202.25	202.43	202.75	202.27	202.38	202.34
31	202.42		202.34		202.36		202.22	202.49		202.33		202.10

5-20-16dc. Owner unknown. 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 36.82 below lsd, June 24, 1952; lowest 39.95 below lsd, July 22, 1948. Records available: 1948-53. Aug. 28, 37.20.

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 78.22 below lsd, June 24, 1952; lowest 90.08 below lsd, Aug. 6, 1947. Records available: 1947-52. No measurement made in 1953.

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 99.24 below lsd, Feb. 5, 1952; lowest 123.70 below lsd, Mar. 9, 1945. Records available: 1945-53. Aug. 28, 92.80.

6-19-21dc. Owner unknown. 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 142.14 below lsd, Aug. 28, 1953; lowest 152.60 below lsd, Sept. 26, 1950. Records available: 1948-53. Aug. 28, 142.14.

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: 1948-53. Dec. 30, 69.08.

7-18-35ab. Owner unknown. 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 61.01 below lsd, Aug. 28, 1953; lowest 72.74 below lsd, May 12, 1948. Records available: 1948-53. Aug. 28, 61.01.

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 145.77 below lsd, Dec. 30, 1953; lowest 171.72 below lsd, Nov. 15, 1934. Records available: 1934-36, 1948-53. Dec. 30, 145.77.

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. May 4, 8.28; Nov. 19, 9.06.

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: 1946-53. May 1, 6.81; Nov. 19, 7.56.

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: 1949-53. May 1, 2.84; Nov. 19, 2.55.

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 38.26 below lsd, Dec. 30, 1953; lowest 51.70 below lsd, May 10, 1948. Records available: 1948-53. Dec. 30, 38.26.

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: 1946-53. May 1, 7.94; Oct. 20, 7.87; Nov. 19, 8.01.

Platte County

A17-1-17dd. Loup River Public Power District. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ 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 10.90 below lsd, Oct. 27, 1950. Records available: 1935-40, 1942-53. Nov. 11, 9.15.

A17-1-36bc. Loup River Public Power District. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ 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, 1942-53. May 5, 3.87.

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. Nov. 11, 70.92.

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 4.80 below lsd, Sept. 4, 1946. Records available: 1946-53. May 5, 2.06; Nov. 11, 4.09.

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 11.79 below lsd, Nov. 21, 1939. Records available: 1934-42, 1944-53. May 5, 7.43; Nov. 11, 10.86.

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. No measurement made in 1953.

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 10.08 below lsd, Nov. 11, 1953. Records available: 1945-53. May 5, 7.30; Nov. 11, 10.08.

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. No measurement made in 1953.

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. No measurement made in 1953.

17-3-23ad. Owner unknown. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 48 feet. Highest water level 13.55 below lsd, July 6, 1949; lowest 16.01 below lsd, Jan. 24, 1952. Records available: 1947-52. No measurement made in 1953.

Polk County

13-4-27bb. Owner unknown. 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 71.45 below lsd, Sept. 22, 1953. Records available: 1949-50, 1952-53. Apr. 28, 69.74; Sept. 22, 71.45; Nov. 12, 71.09.

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: 1946-53. Apr. 28, 4.65; Sept. 22, 6.33; Nov. 13, 6.12.

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 8.68 below lsd, Nov. 13, 1953. Records available: 1946-53. Apr. 28, 6.77; Nov. 13, 8.68.

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: 1946-53. Apr. 28, 5.42; Sept. 22, 9.33; Nov. 13, 8.18.

16-1-14bb. Joe Czafla. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Land-surface datum is 1,457.75 feet above msl. Highest water level 3.72 below lsd, July 7, 1947; lowest 6.38 below lsd, Sept. 3, 1946. Records available: 1946-51. No measurement made in 1953.

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 8.24 below lsd, Nov. 10, 1947. Records available: 1946-53. Apr. 28, 6.98; Sept. 22, 8.10; Nov. 12, 8.10.

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 27-31, June 1-2, 1952; lowest 37.10 below lsd, July 11, 1953. Records available: 1950-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	29.51	29.27	29.02	28.90	28.85	28.98	29.33	29.82	30.26	31.00	30.67	30.40
2	29.50	29.26	29.01	28.90	28.86	28.98	29.38	29.83	30.28	31.00	30.66	30.38
3	29.49	29.25	29.01	28.90	28.87	28.98	30.89	29.84	30.32	30.99	30.65	30.38
4	29.48	29.23	29.00	28.90	28.88	28.99	31.50	29.85	30.35	30.98	30.64	30.34
5	29.48	29.22	28.99	28.90	28.88	29.00	33.03	29.86	30.38	30.98	30.63	30.33
6	29.47	29.20	28.99	28.89	28.89	29.01	34.49	29.87	30.42	30.97	30.62	30.33
7	29.47	29.20	28.98	28.88	28.89	29.01	35.26	29.88	30.45	30.97	30.61	30.32
8	29.46	29.19	28.98	28.88	28.89	29.01	36.09	29.89	30.48	30.96	30.60	30.31
9	29.45	29.18	28.97	28.88	28.90	29.02	36.74	29.90	30.50	30.95	30.59	30.30
10	29.44	29.17	28.97	28.88	28.90	29.02	36.97	29.91	30.52	30.93	30.58	30.28
11	29.44	29.16	28.96	28.88	28.90	29.03	37.10	29.93	30.54	30.92	30.57	30.27
12	29.43	29.15	28.95	28.88	28.91	29.03	36.12	29.94	30.57	30.92	30.56	30.27
13	29.42	29.14	28.95	28.88	28.92	29.03	34.30	29.95	30.60	30.92	30.55	30.26
14	29.42	29.13	28.95	28.87	28.90	29.04	33.10	29.96	30.61	30.92	30.54	30.25
15	29.41	29.13	28.94	28.87	28.91	29.04	32.22	29.97	30.62	30.91	30.53	30.25
16	29.41	29.12	28.94	28.87	28.91	29.05	31.59	29.99	30.66	30.90	30.52	30.24
17	29.40	29.11	28.93	28.87	28.92	29.06	31.11	30.00	30.84	30.88	30.52	30.23
18	29.39	29.10	28.93	28.87	28.92	29.07	30.78	30.02	30.88	30.87	30.51	30.22
19	29.38	29.09	28.93	28.87	28.92	29.08	30.54	30.03	30.89	30.86	30.50	30.22
20	29.38	29.08	28.93	28.87	28.92	29.09	30.37	30.04	30.92	30.84	30.49	30.20
21	29.37	29.06	28.92	28.87	28.92	29.10	30.23	30.06	30.95	30.82	30.48	30.20
22	29.36	29.06	28.92	28.86	28.92	29.13	30.13	30.07	30.98	30.80	30.47	30.19
23	29.35	29.06	28.92	28.85	28.92	29.16	30.05	30.09	30.99	30.78	30.47	30.18
24	29.35	29.05	28.92	28.85	28.92	29.17	29.97	30.10	31.00	30.77	30.46	30.17
25	29.34	29.04	28.92	28.85	28.93	29.19	29.91	30.12	31.02	30.76	30.45	30.17

2-29-4ad--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	29.33	29.04	28.92	28.85	28.93	29.22	29.38	30.12	31.02	30.75	30.44	30.16
27	29.32	29.03	28.92	28.85	28.94	29.25	29.35	30.14	31.02	30.74	30.43	30.15
28	29.31	29.03	28.92	28.85	28.95	29.28	29.83	30.16	31.02	30.73	30.43	30.14
29	29.30		28.92	28.84	28.95	29.30	29.82	30.19	31.01	30.72	30.42	30.13
30	29.29		28.91	28.84	28.96	29.32	29.82	30.22	31.01	30.70	30.40	30.12
31	29.28		28.90		28.97		29.82	30.24		30.68		30.11

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 10.89 below lsd, Sept. 23, 1952. Records available: 1946-53. Feb. 17, 9.60; Apr. 30, 9.45; May 29, 9.63; July 3, 10.26; July 28, 10.15; Sept. 10, 10.83; Oct. 29, 10.79.

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 9.21 below lsd, Sept. 22, 1953. Records available: 1950-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.66	7.33	7.18	7.16	7.32	7.91	8.51	8.43	8.86	9.15	8.93	8.58
2	7.66	7.36	7.18	7.21	7.31	7.81	8.55	8.44	8.88	9.17	8.92	8.57
3	7.65	7.33	7.20	7.19	7.28	7.78	8.56	8.40	8.90	9.17	8.92	8.56
4	7.63	7.31	7.18	7.19	7.31	7.74	8.60	8.40	8.90	9.16	8.91	8.55
5	7.61	7.33	7.18	7.17	7.31	7.69	8.61	8.42	8.91	9.13	8.89	8.54
6	7.61	7.31	7.22	7.17	7.34	7.63	8.62	8.45	8.92	9.12	8.87	8.53
7	7.58	7.30	7.20	7.15	7.38	7.57	8.58	8.48	8.94	9.10	8.85	8.52
8	7.59	7.26	7.17	7.15	7.43	7.55	8.49	8.46	8.96	9.10	8.84	8.50
9	7.60	7.32	7.13	7.21	7.50	7.56	8.42	8.43	8.98	9.10	8.83	8.49
10	7.57	7.32	7.13	7.19	7.45	7.57	8.37	8.38	8.99	9.10	8.81	8.48
11	7.56	7.26	7.16	7.13	7.44	7.61	8.33	8.36	9.01	9.10	8.80	8.47
12	7.53	7.27	7.17	7.12	7.46	7.68	8.24	8.34	9.02	9.12	8.79	8.45
13	7.52	7.25	7.12	7.13	7.42	7.82	8.11	8.36	9.05	9.12	8.78	8.44
14	7.53	7.26	7.20	7.18	7.40	7.87	8.01	8.39	9.06	9.10	8.77	8.43
15	7.56	7.26	7.21	7.21	7.46	7.92	7.97	8.39	9.14	9.10	8.75	8.42
16	7.53	7.30	7.14	7.15	7.41	7.95	7.95	8.39	9.15	9.09	8.74	8.40
17	7.46	7.26	7.18	7.17	7.37	7.98	7.95	8.40	9.16	9.08	8.73	8.39
18	7.46	7.21	7.18	7.20	7.38	8.04	7.95	8.44	9.17	9.07	8.72	8.37
19	7.47	7.21	7.12	7.19	7.38	8.09	7.94	8.44	9.18	9.08	8.70	8.36
20	7.47	7.28	7.06	7.16	7.52	8.15	7.92	8.49	9.19	9.09	8.69	8.33
21	7.46	7.28	7.15	7.15	7.53	8.18	7.95	8.51	9.20	9.08	8.68	8.32
22	7.47	7.23	7.15	7.20	7.63	8.20	7.99	8.55	9.21	9.07	8.67	8.32
23	7.41	7.21	7.18	7.19	7.64	8.23	8.00	8.57	9.20	9.05	8.65	8.31
24	7.41	7.21	7.18	7.20	7.69	8.25	8.04	8.60	9.17	9.03	8.64	8.29
25	7.37	7.18	7.18	7.26	7.78	8.30	8.12	8.63	9.15	9.01	8.63	8.28
26	7.38	7.19	7.19	7.24	7.83	8.33	8.17	8.68	9.13	9.00	8.62	8.27
27	7.39	7.21	7.18	7.20	7.84	8.37	8.24	8.71	9.13	8.98	8.62	8.25
28	7.37	7.19	7.16	7.23	7.74	8.40	8.28	8.75	9.14	8.97	8.61	8.23
29	7.34		7.12	7.22	7.69	8.45	8.33	8.78	9.15	8.96	8.60	8.22
30	7.36		7.19	7.26	7.77	8.48	8.37	8.81	9.15	8.95	8.60	8.21
31	7.36		7.16		7.86		8.41	8.84		8.94		8.20

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 9.14 below lsd, Sept. 17, 1953. Records available: 1940-44, 1946-53. Feb. 18, 6.54; Apr. 3, 6.46; May 13, 6.58; June 11, 6.85; July 16, 7.14; Aug. 12, 8.24; Sept. 17, 9.14.

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 5.86 below lsd, Sept. 15, 1953. Records available: 1946-53. Mar. 17, 3.16; May 11, 3.15; June 8, 3.78; July 15, 5.03; Aug. 10, 5.46; Sept. 15, 5.86.

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: 1934-53. Jan. 5, 3.59; Apr. 6, 1.22; July 23, 3.46; Oct. 28, 4.19.

30-19-10aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ 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, 1944-53. Jan. 5, 2.16; July 23, 2.59; Oct. 28, 3.15.

Saunders County

A13-9-24cc. City of Lincoln. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ 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 7.92 below lsd, Aug. 30, 1934. Records available: 1933-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	5.74	Apr. 25	4.46	July 25	6.10	Oct. 25	7.22
Feb. 25	4.12	May 25	4.40	Aug. 25	6.56	Nov. 25	6.88
Mar. 25	4.40	June 25	5.65	Sept. 25	7.08	Dec. 25	6.48

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 10.87 below lsd, July 31-Aug. 1, 1952. Records available: 1950-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.68	5.16	5.62	5.89	5.28	6.02	6.67	7.34	7.58	7.31	6.87	6.13
2	6.60	5.08	5.43	5.81	4.67	6.14	6.78	7.24	7.58	7.30	6.86	6.14
3	6.64	4.92	5.52	5.78	4.71	6.28	6.84	7.21	7.60	7.33	6.83	6.12
4	6.64	4.93	5.65	5.59	4.69	6.37	6.77	7.25	7.58	7.34	6.84	6.02
5	6.37	4.97	5.70	5.44	4.60	6.35	6.90	7.26	7.57	7.42	6.81	5.04
6	6.23	5.00	5.70	5.40	4.49	6.40	6.89	7.08	7.31	7.40	6.79	6.02
7	6.12	4.94	5.69	5.45	4.57	6.44	6.36	6.98	7.28	7.36	6.76	6.09
8	5.96	4.93	5.33	5.54	4.67	6.42	6.64	6.65	7.24	7.37	6.66	6.25
9	5.93	4.87	5.33	5.55	4.83	4.52	6.76	6.67	7.21	7.35	6.59	6.35
10	5.89	7.92	5.29	5.52	4.97	4.30	6.90	6.87	7.21	7.21	6.46	6.54
11	5.93	5.18	5.20	5.36	5.02	4.74	6.95	7.03	7.22	7.21	6.45	6.50
12	....	5.30	5.15	5.29	3.97	5.09	6.93	7.05	7.24	7.16	6.40	6.06
13	....	5.41	5.13	5.29	4.36	5.46	6.80	7.10	7.23	7.14	6.33	6.06
14	....	5.55	5.10	5.37	4.63	5.61	6.78	7.13	7.28	7.19	6.32	6.09
15	....	5.70	5.00	5.46	5.09	5.72	6.62	7.04	....	7.18	6.34	6.25
16	....	5.95	4.99	5.50	5.33	5.89	6.37	6.95	....	7.21	6.30	6.41
17	....	5.96	4.98	5.56	5.50	6.05	6.50	7.06	....	7.13	6.29	6.35
18	....	5.93	5.08	5.56	5.64	6.27	6.74	7.10	7.23	7.06	6.21	6.36
19	....	5.88	5.08	5.55	5.76	6.35	6.84	7.16	7.10	7.06	6.30	6.40
20	....	5.96	5.21	5.57	5.80	6.43	6.90	7.19	7.25	7.03	6.15	6.43
21	....	6.11	5.28	5.66	5.80	6.52	6.91	7.16	7.31	7.07	6.09	6.41
22	....	6.26	5.32	5.72	5.79	6.62	6.97	7.19	7.30	7.01	6.24	6.15
23	....	6.33	5.39	5.78	5.80	6.56	7.05	7.19	7.26	6.98	6.26	5.63
24	....	6.46	5.47	5.84	5.80	6.63	7.00	7.23	7.32	7.00	6.18	5.56
25	....	6.48	5.54	5.85	5.82	6.46	7.13	7.16	7.34	7.02	6.22	5.54
26	....	6.48	5.62	5.83	5.95	6.23	7.22	7.24	7.29	6.89	6.06	5.34
27	....	6.42	5.72	5.92	6.08	5.98	7.27	7.30	7.26	6.75	5.98	5.36
28	....	6.17	5.81	5.62	6.17	6.10	7.12	7.39	7.29	6.83	6.02	5.30
29	....		5.86	5.67	6.23	6.35	7.17	7.46	7.30	6.87	6.07	5.28
30	5.38		5.86	5.67	6.05	6.50	7.26	7.47	7.29	6.87	6.10	5.20
31	5.28		5.89		5.78		7.33	7.48		6.88		5.18

A17-5-23bc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 3.67 below lsd, May 2, 1951; lowest 6.30 below lsd, June 28, 1950. Records available: 1950-53. May 13, 4.50.

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. Sept. 20, 8.42.

22-56-4dd. U. S. Geol. Survey. Drilled observation water-table well in 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. June 18, 2.61; Sept. 20, 2.01.

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 34.63 below lsd, July 1, 1949. Records available: 1948-53. Apr. 2, 31.02; June 18, 32.62; Sept. 6, 31.10; Sept. 20, 30.49.

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. June 18, 9.59; Sept. 6, 9.73; Sept. 20, 9.52.

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 20.67 below lsd, Oct. 4, 1951; lowest 25.73 below lsd, May 1, 1950. Records available: 1948-53. Apr. 2, 26.94; June 18, 22.66; Sept. 6, 22.48; Sept. 20, 22.23.

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 77.86 below lsd, Oct. 14, 1948. Records available: 1948-53. Nov. 13, 77.03; Dec. 16, 77.00.

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, 1944-53. June 15, 6.98; Sept. 30, 8.10.

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: 1946-53. June 15, 12.48; Sept. 30, 12.89.

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, 1944-53. June 15, 6.01; Sept. 30, 6.71.

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: 1946-53. June 15, 4.46; Sept. 30, 5.98.

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 5.76 below lsd, Sept. 30, 1953. Records available: 1946-53. June 15, 4.60; Sept. 30, 5.76.

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: 1946-53. June 15, 5.76; Sept. 30, 6.68.

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 34.09 below lsd, Sept. 30, 1953. Records available: 1946-51, 1953. June 15, 32.80; Sept. 30, 34.09.

29-46-4dc. George Glenn. Drilled unused water-table well in sandstone of Marsland formation, diameter 6 inches, depth 111 feet. Highest water level 55.94 below lsd, Oct. 30, 1953; lowest 61.34 below lsd, May 2, 1950. Records available: 1950-53. Jan. 14, 56.55; Mar. 30, 57.17; Oct. 30, 55.94.

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, 1951-53. Jan. 14, 1.62; Mar. 30, 1.36; Oct. 29, 2.70.

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, 1951-53. Jan. 14, 2.41; Mar. 31, 2.48.

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 1953.

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 122.11 below lsd, Feb. 7, 1950. Records available: 1949-53. Feb. 17, 121.10.

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 8.76 below lsd, Oct. 1, 1948. Records available: 1948-53. Feb. 3, 8.46; July 10, 8.53.

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 12.65 below lsd, Nov. 8, 1949, Jan. 9, 1950. Records available: 1949-51. No measurement made in 1953.

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 41.00 below lsd, Sept. 9, 1952. Records available: 1950-53. Feb. 18, 40.05.

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: 1949-53. Feb. 16, 21.09; July 13, 21.52.

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. Apr. 2, 8.82.

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 38.15 below lsd, Apr. 6, 1950. Records available: 1950-53. Nov. 30, 36.29.

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 15.12 below lsd, Nov. 30, 1953. Records available: 1950-53. Nov. 30, 15.12.

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, 1950-53. Nov. 30, 4.70.

Thayer County

3-2-31ad. H. G. Eggert. Drilled unused water-table well in Grand Island or Holdrege formations, diameter 6 inches, depth 10 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. Dec. 14, 101.59.

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, 1944-53. June 15, 2.54; Sept. 30, 2.85.

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 2,152.40 feet above msl. Highest water level 2.70 below lsd, Apr. 1, 1949; lowest 6.83 below lsd, Dec. 26, 1946. Records available: 1943-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.07	....	4.20	4.87	4.30	5.21	6.12	6.36	6.54	6.10	....	4.85
2	5.07	....	4.27	4.66	4.04	5.21	6.12	6.38	6.55	6.09	5.39	4.85
3	5.06	....	4.32	4.50	3.97	5.24	6.07	6.39	6.54	6.08	5.39	4.85
4	5.05	....	4.33	4.58	3.97	5.30	6.08	6.40	6.55	6.08	5.38	4.81
5	5.04	....	3.95	4.64	....	5.34	6.10	6.31	6.38	6.07	5.37	4.77
6	5.02	4.11	4.11	4.67	....	5.37	6.12	6.31	6.33	6.05	5.35	4.73
7	5.01	4.23	4.21	....	....	5.31	6.15	6.30	6.29	6.03	5.34	4.70
8	5.02	4.25	4.26	....	....	4.74	6.16	6.28	6.25	6.01	5.32	4.67
9	5.02	4.27	4.30	....	....	4.74	6.15	6.29	6.24	6.00	5.50	4.64
10	5.00	4.14	4.34	....	....	4.73	6.13	6.31	6.23	5.98	5.47	4.62
11	4.98	4.34	4.39	....	....	4.79	6.13	6.30	6.23	5.97	5.43	4.61
12	4.93	4.42	4.44	....	4.41	4.97	....	6.32	6.23	5.95	5.40	4.58
13	4.85	4.49	4.45	4.61	4.57	5.11	....	6.29	6.23	5.94	5.36	4.58
14	4.74	4.49	3.98	4.66	4.66	5.12	....	6.30	6.22	5.92	5.30	4.57
15	4.76	4.45	4.10	4.66	4.72	5.33	....	6.30	6.22	5.91	5.25	4.56
16	4.84	4.52	4.24	4.57	4.77	5.42	....	6.30	6.22	5.90	5.21	4.61
17	4.91	4.57	4.33	4.65	4.77	5.51	....	6.30	6.21	5.88	5.19	4.65
18	4.90	4.54	4.47	4.72	4.81	5.58	....	6.32	6.22	5.86	5.18	4.66
19	4.82	4.47	4.51	4.78	4.85	5.65	....	6.33	6.21	5.84	5.15	4.67
20	4.74	4.58	4.53	4.80	4.90	5.73	....	6.36	6.20	5.82	5.15	4.64
21	4.67	4.65	4.55	4.75	4.97	5.77	6.22	6.38	6.20	5.80	5.11	4.52
22	4.63	4.67	4.49	4.90	5.05	5.83	6.23	....	6.18	5.78	5.07	4.72
23	4.60	4.64	4.61	4.92	5.12	5.88	6.23	....	6.16	5.76	5.04	4.76
24	4.53	4.43	4.68	4.95	5.16	5.92	6.23	6.44	....	5.74	4.96	4.76
25	4.44	4.50	4.69	4.97	5.22	5.95	6.24	6.45	6.14	5.72	4.88	4.75
26	4.36	4.09	4.73	4.99	5.28	5.98	6.26	6.46	6.14	....	4.85	4.73
27	4.18	3.93	4.75	5.01	5.29	6.02	6.27	6.48	6.13	....	4.84	4.66
28	4.13	4.07	4.77	5.02	5.21	6.04	6.29	6.49	6.12	....	4.84	4.70
29	4.12		4.81	4.86	4.87	6.07	6.31	6.51	6.11	....	4.85	4.81
30	4.14		4.84	4.39	4.97	6.10	6.32	6.52	6.10	....	4.85	4.84
31	4.13		4.86		5.11		6.34	6.53		....		4.84

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. No measurement made in 1953.

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 5.27 below lsd, Feb. 3, Mar. 3, 1950. Records available: 1949-53. Dec. 30, 4.76.

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 14.58 below lsd, Sept. 30, 1948. Records available: 1948-53. July 14, 13.86.

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. No measurement made in 1953.

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. No measurement made in 1953.

Webster County

1-9-9cc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Highest water level 3.17 below lsd, June 20, 1949; lowest 8.54 below lsd, Feb. 4, 1949. Records available: 1947-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	7.95	May 20	8.10	Aug. 18	4.12	Oct. 16	6.63
Mar. 9	7.80	June 19	7.74	Sept. 23	6.10	Dec. 1	7.41
Apr. 14	7.76	July 22	5.64				

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 9.49 below lsd, Feb. 11, 1949. Records available: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.16	8.01	7.98	7.86	7.91	7.99	7.38	....	8.65	8.85	8.87	8.37
2	8.17	8.00	7.97	7.86	7.91	7.98	7.39	....	8.66	8.86	8.87	8.35
3	8.17	7.99	7.97	7.86	7.92	7.99	7.43	....	8.69	8.86	8.87	8.33
4	8.17	7.98	7.97	7.87	7.93	7.99	7.45	....	8.69	8.87	8.87	8.32
5	8.17	7.97	7.97	7.87	7.93	7.98	7.49	....	8.69	8.88	8.87	e8.31
6	8.18	7.97	7.97	7.87	7.94	7.98	7.51	....	8.69	8.88	8.87	8.31
7	8.18	7.97	7.96	7.87	7.94	8.01	7.53	....	8.67	8.89	8.87	8.30
8	8.18	7.97	7.96	7.87	7.94	8.00	7.55	....	8.66	8.89	8.87	8.26
9	8.18	7.96	7.95	7.87	7.94	6.44	7.58	....	8.66	8.89	8.87	8.19
10	8.18	7.96	7.93	7.87	7.94	6.41	7.60	....	8.66	8.89	8.87	e8.17
11	8.18	7.96	7.92	7.88	7.95	6.42	7.62	....	8.66	8.90	8.87	8.13
12	8.18	7.97	7.91	7.88	7.95	6.47	7.65	....	8.67	8.90	8.87	8.08
13	8.19	7.97	7.90	7.88	7.95	6.62	7.67	....	8.67	8.90	8.86	8.04
14	8.18	7.97	7.89	7.88	7.96	6.68	7.69	....	8.69	8.90	8.85	e8.02
15	8.16	7.97	7.89	7.88	7.96	6.79	7.71	....	8.69	8.91	8.83	e8.00
16	....	7.97	7.88	7.88	7.96	6.82	7.73	....	8.70	8.91	8.80	7.99
17	....	7.97	7.88	7.88	7.97	6.87	7.75	....	8.70	8.91	8.78	7.98
18	....	7.97	7.88	7.89	7.97	6.90	7.78	....	8.71	8.92	8.75	e7.97
19	....	7.97	7.88	7.90	7.97	7.01	7.81	8.47	8.72	8.91	8.74	e7.97
20	8.08	7.97	7.87	7.90	7.97	7.02	7.83	8.43	8.73	8.91	8.73	7.97
21	8.08	7.98	7.86	7.90	7.97	7.08	7.85	8.49	8.74	8.91	8.70	7.97
22	8.07	7.98	7.86	7.91	7.96	7.12	7.88	8.50	8.75	8.90	8.67	7.97
23	8.07	7.98	7.85	7.91	7.96	7.15	7.89	8.51	8.75	8.90	8.63	7.97
24	8.07	7.98	7.86	7.91	7.97	7.17	7.90	8.53	8.75	8.90	8.58	7.97
25	8.07	7.98	7.86	7.91	7.98	7.21	....	8.54	8.76	8.90	e8.53	7.97
26	8.06	7.98	7.86	7.91	7.98	7.29	....	8.55	8.83	8.90	e8.50	7.97
27	8.06	7.98	7.86	7.91	7.98	7.27	....	8.57	8.83	8.89	e8.45	7.97
28	8.06	7.98	7.86	7.91	7.99	7.31	....	8.58	8.83	8.89	e8.44	7.97
29	8.04		7.86	7.91	7.99	7.34	....	8.59	8.84	8.88	e8.40	7.98
30	8.03		7.86	7.91	7.99	7.37	....	8.61	8.85	8.88	8.39	e7.98
31	8.02		7.86		7.99		....	8.63		8.87		e7.98

e Estimated.

1-12-2bb. U. S. Geol. Survey. Drilled observation water-table well in black soil, diameter 1½ 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: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	4.19	May 22	4.33	July 24	5.03	Sept. 25	6.45
Mar. 13	3.77	June 23	4.13	Aug. 20	5.97	Dec. 18	4.77

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, 1946-53. Jan. 22, 26.26; Mar. 13, 26.17; May 22, 26.23; June 23, 26.25; Aug. 20, 26.38; Sept. 25, 27.04; Dec. 2, 26.92.

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: 1948-53. Nov. 13, 104.60; Dec. 16, 104.62.

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: 1948-53. Nov. 13, 65.90; Dec. 16, 65.95.

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 68.47 below lsd, Nov. 13, 1953. Records available: 1948-53. Nov. 13, 68.47; Dec. 16, 67.74.

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 72.65 below lsd, Oct. 14, 1948. Records available: 1948-53. Nov. 13, 72.64; Dec. 16, 72.63.

NORTH DAKOTA

By John E. Powell

Scope of Water-Level Program

The observation-well program in North Dakota was continued in 1953 in cooperation with the State Water Conservation Commission and the State Geological Survey. Measurements were made in 73 wells, 4 of which were equipped with recording gages. In 16 wells, water-levels were measured once a week by local observers. Figures 16-19 show location of observation wells. In addition to the statewide program for obtaining information on water levels, field work was carried on in connection with studies of ground-water conditions in the vicinities of the towns of Tioga, Powers Lake, Hunter, and Hankinson. Reports on ground-water conditions in the vicinities of the towns of Minnewaukan, Michigan, and Fairmont were published in mimeographed form.

Precipitation

The precipitation in the State as a whole was 20.04 or 2.92 inches above normal. Departures at individual stations ranged from 10.95 inches above normal to 2.00 inches below normal. Below-normal precipitation occurred only in scattered areas throughout the State. For the State as a whole, the precipitation was above average during all months except January, February, July, August, September, and November.

Interpretation of Water-Level Fluctuations

The average change in ground-water levels followed the same general pattern of previous years. The water levels declined during the winter months of January, February, and March and rose from April through July. The period of rise was lengthened somewhat due to heavy rains in June, after which water levels declined for the balance of the year. At the end of 1953, the average ground-water level was 2.58 feet higher than at the end of 1952. The average monthly water levels from 1937 through 1953 in selected observation wells are given in the following table. Figure 20 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, 1937-53.

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	100.52	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	101.18	101.55	100.97	100.60	100.36	100.07	100.70	100.84	100.67
1947	100.48	100.49	100.33	101.35	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

Well-Numbering System

The well-numbering system used in this report conforms to a system now adopted for use in all the Missouri Basin States. The well numbers are derived by reference to the township, range, and section system of land subdivision in use over the greater part of the United States. The number serves to designate the well specifically and, also, indicates its location in the field. In

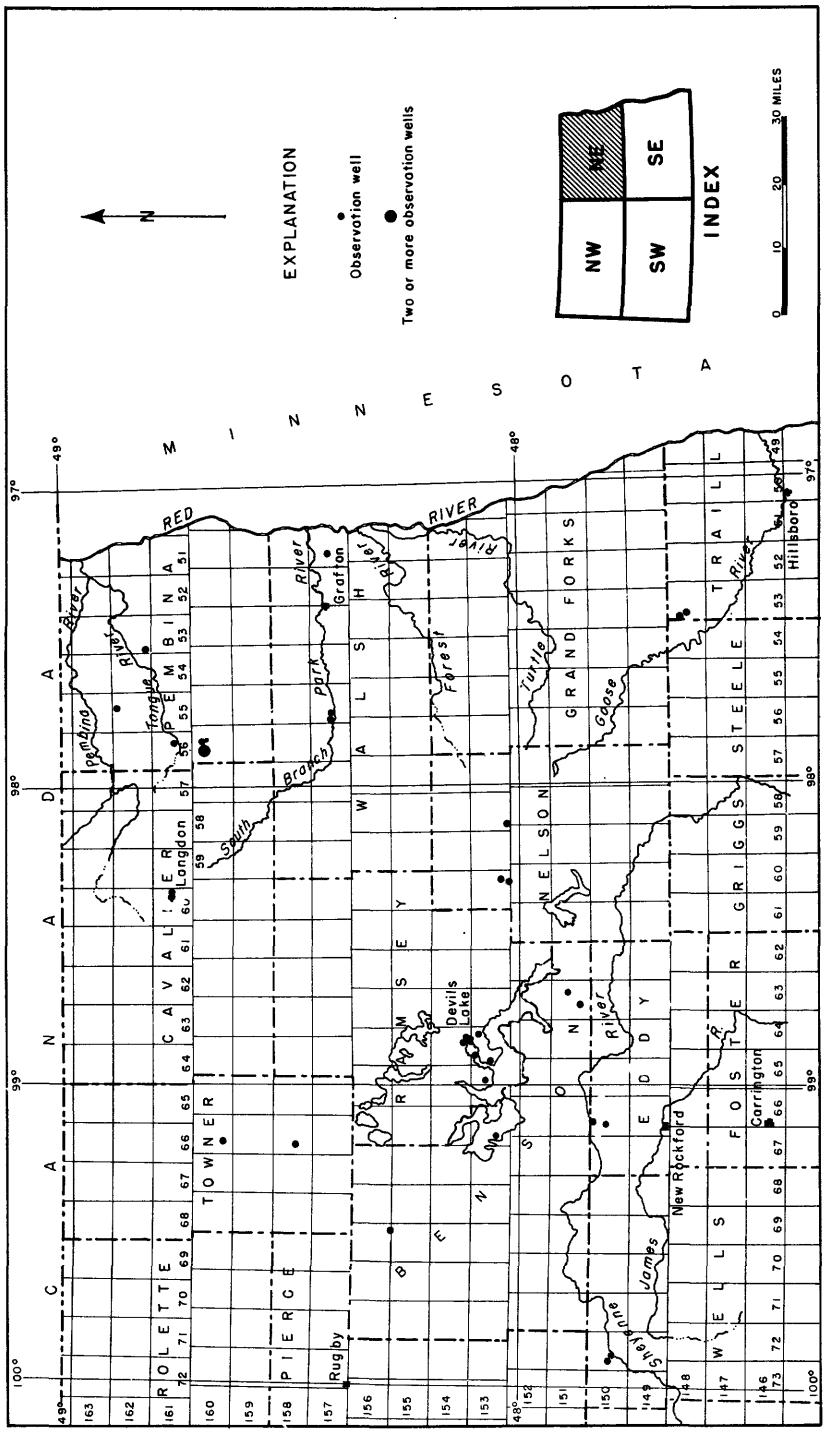


Figure 16.--Location of observation wells in northeastern North Dakota, 1953.

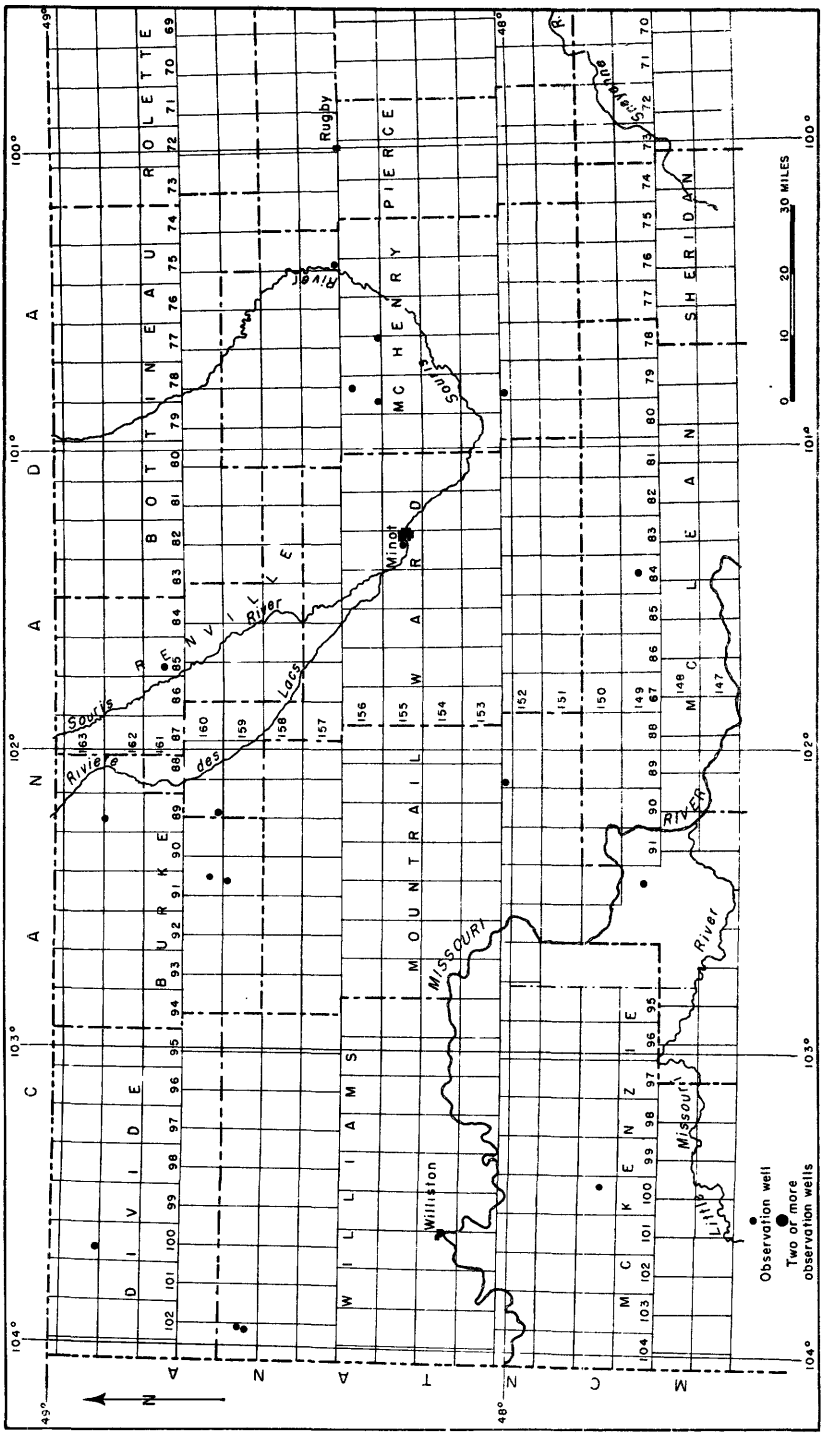


Figure 17.--Location of observation wells in northwestern North Dakota, 1953.

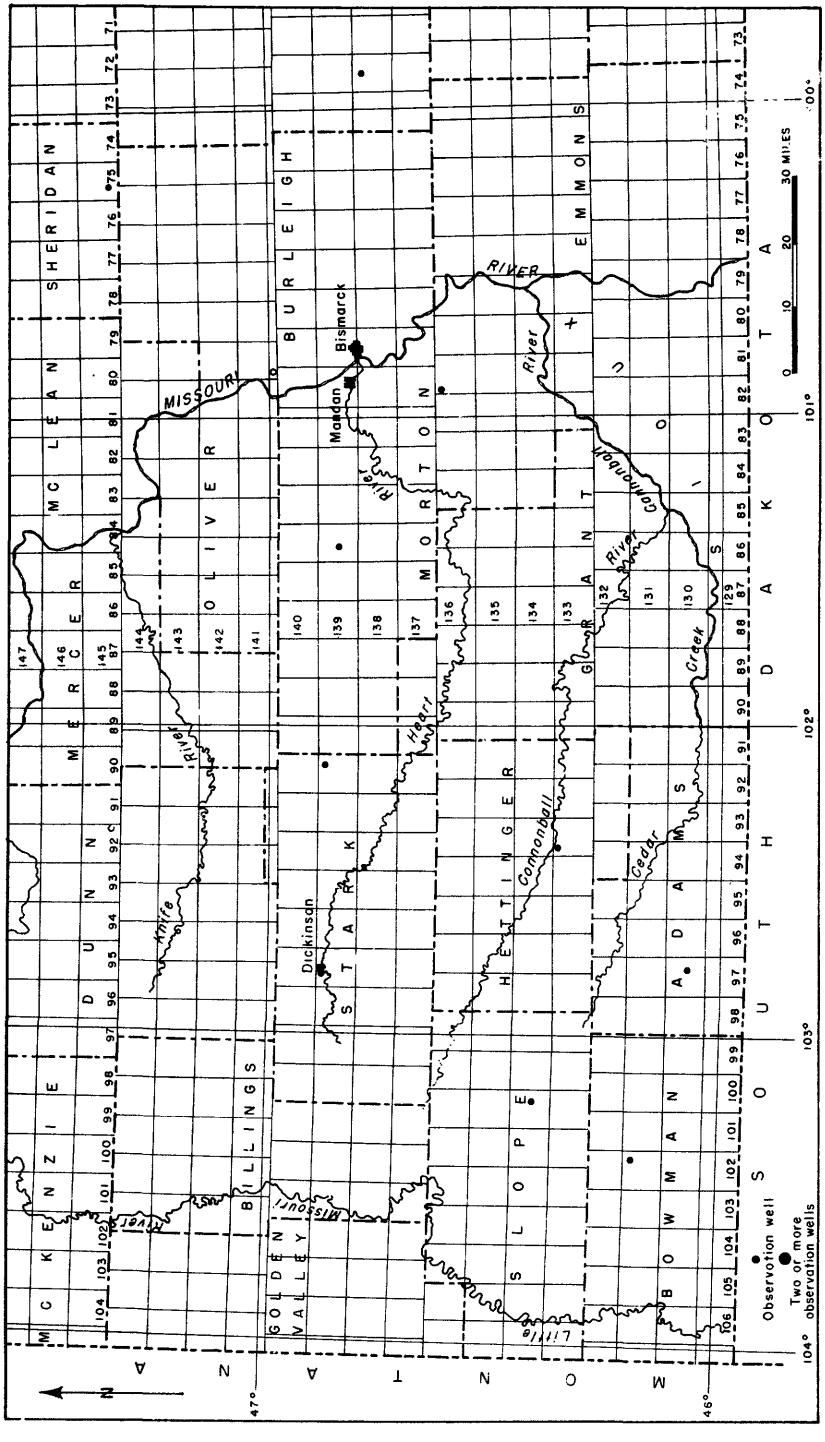


Figure 18.--Location of observation wells in southwestern North Dakota, 1953.

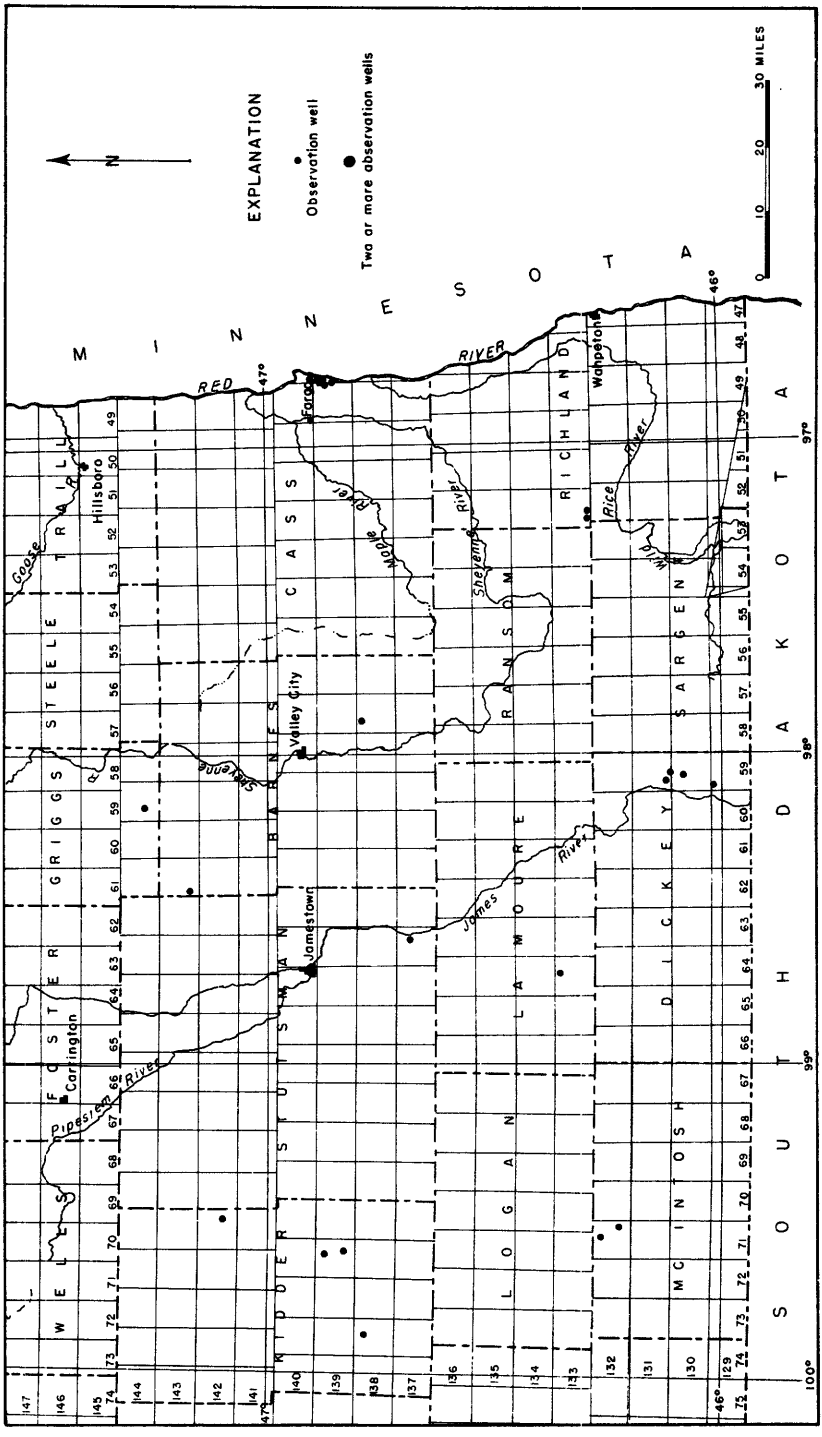


Figure 19. --Location of observation wells in southeastern North Dakota, 1953.

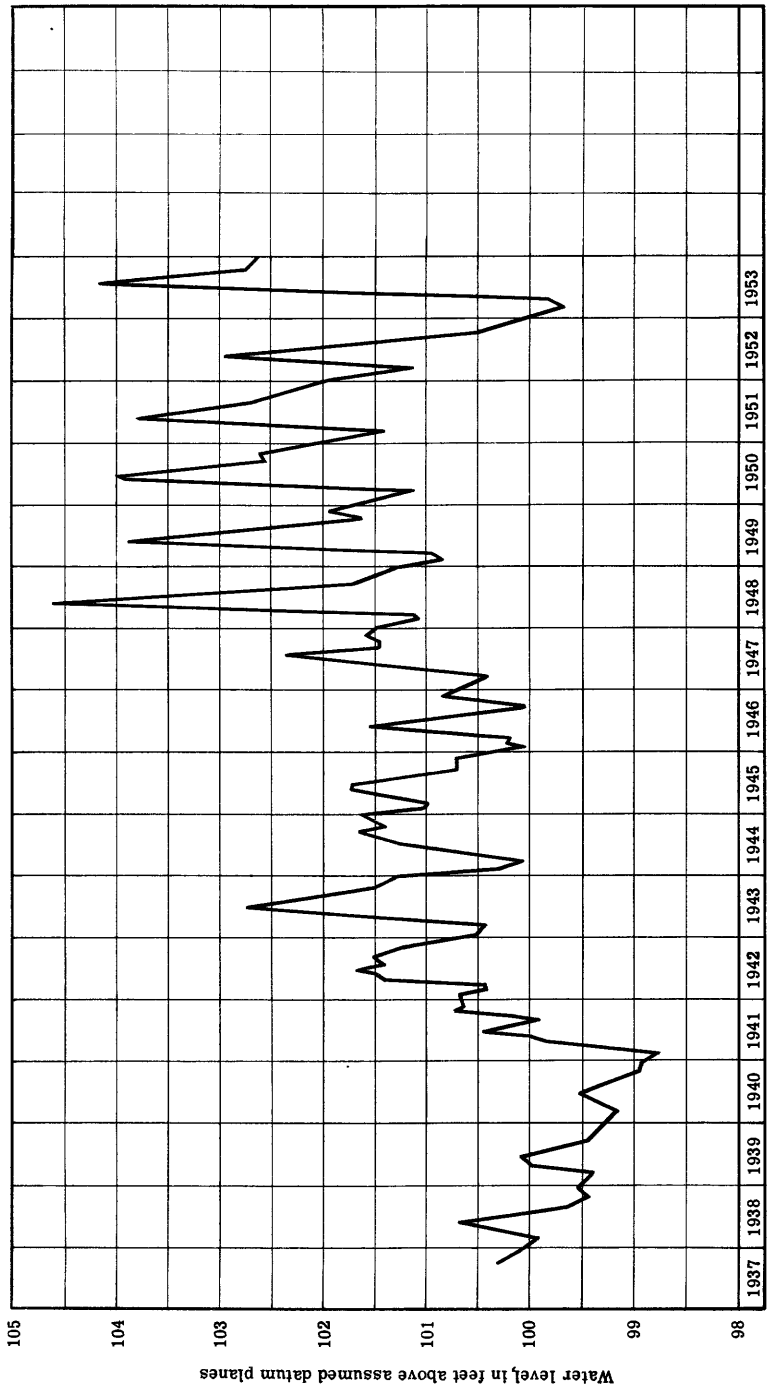


Figure 20. --Monthly average water levels in selected wells in North Dakota, 1937-53.

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 consists of three segments divided by hyphens. The first segment is the township number north of the base line and the second is the range number west of the principal meridian. The third segment consists of a number followed by lowercase letters that are again followed by a number. The first number indicates the section within the designated township. The section is divided into quarters (160-acre tracts) designated by the first lowercase letter. The letters, a, b, c, and d are assigned in a counterclockwise order beginning in the northeast quarter. The quarter section is again divided into four parts (40-acre tracts) designated by the second lowercase letter. In some cases, the 40-acre tracts have been subdivided into 10-acre tracts designated by a third lowercase letter. The number following the lowercase letters simply refers to the numerical order in which the wells were scheduled in the 40-acre or 10-acre tract of land indicated by the preceding part of the well number. As an example, the first well scheduled in the NW¼SW¼ sec. 5, T. 138 N., R. 57 W. is designated 138-57-5cb1. 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, 1951-53. Jan. 13, 48.80; Feb. 10, 48.86; Apr. 20, 48.67; May 12, 48.45; Aug. 18, 46.80; Sept. 15, 46.98; Oct. 20, 47.28.

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, 1949-53. May 8, 37.01.

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. Water level affected by pumping of nearby municipal well. Highest water level 15.29 below lsd, May 24, 1950; lowest 35.56 below lsd, Apr. 22, 1953. Records available: 1950, 1952-53. Apr. 22, 35.56; Oct. 30, 34.55.

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 20.87 below lsd, Dec. 17, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	20.30	Mar. 20	20.37	June 29	20.57	Oct. 1	20.78
17	20.40	Apr. 6	20.57	July 8	20.55	Nov. 7	20.84
26	20.38	26	20.56	28	20.56	19	20.86
Feb. 20	20.48	May 20	20.56	Aug. 10	20.58	Dec. 5	20.86
Mar. 2	20.38	29	20.59	Sept. 7	20.65	17	20.87

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 17.24 below lsd, May 29, 1953. Records available: 1951-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	17.01	17.06	17.13	17.18	17.23	17.03	16.78	16.82	16.92	17.02	17.06
2	.....	17.00	17.05	17.14	17.20	17.21	17.01	16.78	16.80	16.93	17.03	17.09
3	.....	17.01	17.03	17.14	17.20	17.18	16.98	16.78	16.81	16.95	17.05	17.09
4	.....	17.01	17.04	17.14	17.20	17.20	16.95	16.78	16.81	16.95	17.06	17.09
5	.....	17.00	17.09	17.14	17.20	17.20	16.95	16.78	16.83	16.96	17.06	17.09
6	.....	17.00	17.09	17.14	17.19	17.20	16.94	16.77	16.84	16.96	17.05	17.08
7	.....	.....	17.09	17.15	17.18	17.20	16.91	16.78	16.84	16.93	17.06	17.10
8	.....	.....	17.10	17.15	17.17	17.20	16.91	16.78	16.85	16.95	17.06	17.11
9	16.92	.....	17.08	17.15	17.17	17.20	16.90	16.77	16.85	16.95	17.06	17.10
10	16.96	.....	17.08	17.15	17.16	17.18	16.89	16.76	16.85	16.94	17.06	17.09

151-63-29acc--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	16.96	.....	17.08	17.15	17.21	17.20	16.87	16.76	16.86	16.95	17.06	17.11
12	16.95	17.00	17.10	17.15	17.23	17.20	16.87	16.76	16.88	16.95	17.05	17.10
13	16.97	16.99	17.11	17.15	17.22	17.18	16.87	16.77	16.86	16.95	17.05	17.12
14	16.98	17.01	17.10	17.15	17.20	17.18	16.85	16.78	16.85	16.98	17.05	17.12
15	16.98	17.03	17.10	17.16	17.19	17.17	16.85	16.78	16.85	16.98	17.05	17.14
16	16.98	17.03	17.10	17.15	17.20	17.17	16.85	16.78	16.85	16.96	17.05	17.14
17	16.93	17.00	17.10	17.17	17.19	17.17	16.83	16.78	16.84	16.96	17.05	17.14
18	16.95	17.04	17.10	17.17	17.20	17.15	16.83	16.78	16.85	16.97	17.06	17.10
19	16.98	17.04	17.10	17.17	17.18	17.15	16.83	16.78	16.85	16.98	17.07	17.08
20	16.98	17.04	17.10	17.17	17.18	17.14	16.82	16.78	16.87	16.99	17.06	17.12
21	16.99	17.04	17.09	17.13	17.19	17.15	16.82	16.78	16.90	16.99	17.03	17.15
22	16.99	17.04	17.10	17.15	17.20	17.15	16.81	16.78	16.90	17.01	17.04	17.15
23	16.99	17.05	17.11	17.16	17.20	17.13	16.81	16.78	16.88	17.02	17.04	17.13
24	16.99	17.05	17.12	17.16	17.20	17.10	16.81	16.77	16.88	17.01	17.06	17.11
25	16.98	17.01	17.12	17.18	17.22	17.09	16.80	16.76	16.89	17.01	17.07	17.13
26	16.99	17.03	17.13	17.18	17.23	17.10	16.81	16.76	16.88	17.02	17.08	17.12
27	17.00	17.05	17.13	17.18	17.24	17.08	16.81	16.78	16.88	17.01	17.08	17.14
28	17.00	17.06	17.13	17.18	17.22	17.08	16.79	16.78	16.89	17.02	17.08	17.14
29	17.00		17.12	17.18	17.17	17.05	16.79	16.79	16.92	17.01	17.08	17.15
30	17.01		17.13	17.17	17.18	17.05	16.79	16.80	16.94	17.04	17.08	17.15
31	17.01		.....		.....		16.79	16.80		17.04		17.15

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 1.25 below lsd, Oct. 7, 1950; lowest 5.61 below lsd, Apr. 28, 1953. Records available: 1950-53. Apr. 28, 5.61; Sept. 30, 5.17.

156-69-36ca1. H. Biltingsrud. Drilled water-table well in glacial drift, diameter 36 inches, depth 29 feet. Highest water level 6.27 below lsd, May 24, 1950; lowest 21.60 below lsd, Nov. 3, 1951. Records available: 1940-53. Apr. 28, 13.55.

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 24.82 below lsd, Oct. 9, 1950. Records available: 1938-42, 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	17.61	Apr. 7	17.58	July 13	16.98	Sept. 15	17.61
Feb. 19	17.96	May 13	18.52	Aug. 18	17.38	Oct. 21	17.77
Mar. 9	17.71						

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. Apr. 29, 75.03; Nov. 18, 74.46.

160-91-21cd1. U. S. Fish and Wildlife Service. Jetted unused artesian well, diameter 2 inches, depth 90 feet. Highest water level 56.17 below lsd, Nov. 18, 1953; lowest 59.05 below lsd, Sept. 10, 1949. Records available: 1940-47, 1949-50, 1952-53. Nov. 18, 56.17.

162-89-5dd1. Mrs. P. M. Peterson. Drilled unused well, diameter 3 inches, depth 394 feet. Highest water level 68.84 below lsd, July 12, 1950; lowest 70.60 below lsd, Sept. 30, 1946. Records available: 1937-53. Apr. 29, 70.44; Nov. 17, 69.92.

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, 1948-53. May 5, 13.42; Nov. 19, 14.32.

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. No measurement made in 1953.

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 feet; glacial drift aquifer at 180 feet. Highest water level 28.01 below lsd, July 3, 1940; lowest 42.39 below lsd, Oct. 3, 1941. Records available: 1940-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	34.92	34.81	34.71	34.54	.....	.....	34.73	34.88	34.99	34.98	34.82
2	.....	34.93	34.81	34.71	34.52	34.46	.....	34.71	34.88	34.99	34.98	34.81
3	.....	34.92	34.79	34.71	34.55	.....	.....	34.71	34.89	35.00	34.98	34.79
4	.....	34.90	34.76	34.72	34.56	.....	.....	34.73	34.90	35.01	35.01	34.79
5	.....	34.89	34.76	34.73	34.57	34.50	.....	34.74	34.91	35.02	35.03	34.74
6	.....	34.87	34.80	34.73	34.56	34.54	34.54	34.74	34.94	35.02	35.04	34.73
7	.....	34.86	34.81	34.71	34.55	34.56	34.55	34.76	34.94	35.02	35.03	.....
8	.....	34.90	34.81	34.70	34.54	34.55	34.57	34.78	.....	35.00	35.03	34.72
9	.....	34.93	34.81	34.69	34.52	34.56	34.59	34.78	.....	35.00	35.04	34.74
10	.....	34.95	34.79	34.67	34.50	34.59	34.60	34.77	.....	35.00	35.03	34.73
11	.....	34.95	34.78	34.67	34.47	34.60	34.60	34.77	.....	34.99	35.00	34.71
12	.....	34.91	34.75	.....	34.48	.....	34.59	34.78	.....	35.00	35.00	34.70
13	.....	34.89	34.76	.....	34.52	34.56	34.58	34.78	35.00	35.00	35.00	34.70
14	.....	34.85	34.76	.....	34.52	34.56	34.60	34.80	35.01	35.00	34.97	34.70
15	.....	34.83	34.75	.....	34.51	34.55	34.61	.....	34.99	35.01	34.96	34.70
16	.....	34.84	34.74	.....	34.49	34.51	34.62	.....	34.98	35.01	34.95	34.72
17	.....	34.85	34.74	.....	34.49	34.49	34.62	.....	34.98	35.01	34.93	34.74
18	.....	34.85	34.72	34.68	34.48	34.48	34.63	34.86	34.96	35.00	34.90	34.74
19	.....	34.84	34.71	34.69	34.48	34.46	34.62	34.87	34.96	34.99	34.92	34.73
20	.....	34.85	34.71	34.69	34.46	34.44	34.63	34.88	34.96	35.00	34.93	34.69
21	.....	34.85	34.70	34.68	34.44	34.44	34.63	34.88	35.00	35.00	34.92	34.66
22	.....	34.84	34.67	34.64	34.42	34.47	34.64	34.88	35.01	35.00	34.89	34.72
23	.....	34.82	34.67	34.62	34.44	34.46	34.65	34.88	35.01	35.01	34.81	34.73
24	34.96	34.83	34.70	34.63	34.44	34.46	34.65	34.88	35.00	35.03	34.78	34.73
25	34.96	34.83	34.73	34.63	34.44	34.45	34.65	34.87	35.00	35.02	34.78	34.70
26	34.96	34.81	34.75	.....	34.47	34.52	34.68	34.86	34.98	35.01	34.79	34.68
27	34.94	34.81	34.76	34.61	34.51	34.54	34.69	34.86	34.97	35.00	34.81	34.68
28	34.94	34.79	34.76	34.60	34.51	34.57	34.69	34.86	34.97	35.00	34.82	34.66
29	34.94		34.75	34.59	34.50	34.57	34.70	34.85	34.96	35.00	34.82	34.62
30	34.93		34.73	34.58	34.45	.....	34.72	34.86	34.99	34.98	34.82	34.62
31	34.92		34.71		.....		34.73	34.87		34.98		34.62

139-48-[illegible]. 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 16, 1948. Records available: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	42.70	Apr. 5	42.57	July 12	42.38	Oct. 11	42.71
10	42.68	11	42.50	20	42.38	18	42.70
17	42.66	18	42.55	26	42.52	25	42.68
24	42.68	27	42.46	Aug. 3	42.44	Nov. 2	42.66
31	42.63	May 2	42.34	9	42.46	7	42.66
Feb. 7	42.63	9	42.39	16	42.52	14	42.66
14	42.60	16	42.37	23	42.60	21	42.52
21	42.62	23	42.31	30	42.47	28	42.48
28	42.66	30	41.97	Sept. 6	42.62	Dec. 6	42.45
Mar. 7	43.12	June 7	42.36	12	42.67	12	42.39
14	42.56	14	42.33	19	42.60	20	42.25
21	42.42	28	42.26	27	42.61	27	42.45
28	42.55	July 6	42.33	Oct. 4	42.72		

139-49-1cc1. City of Fargo. Drilled unused artesian well in glacial drift, diameter 8 inches, depth 196 feet. Highest water level 23.37 below lsd, Nov. 27, 1937; lowest 125.15 below lsd, Sept. 23, 1941. Records available: 1937-53.

Jan. 3	50.87	Mar. 14	50.21	May 23	51.18	July 26	53.25
10	50.80	21	50.65	30	52.12	Aug. 3	54.52
19	50.50	28	50.56	June 7	53.21	9	54.12
24	50.61	Apr. 4	50.77	13	51.92	16	54.00
31	50.58	11	51.10	20	51.78	23	54.19
Feb. 7	50.84	18	50.54	28	52.75	30	54.03
14	50.48	25	50.55	July 5	52.26	Sept. 6	53.20
21	50.54	May 2	50.08	12	52.02	12	57.21
28	50.56	9	50.23	20	52.59	19	58.02
Mar. 7	49.53	16	50.38				

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 76.28 below lsd, Aug. 19, 1950. Records available: 1938-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	64.72	Apr. 4	64.28	July 5	65.12	Oct. 4	68.78
10	64.72	11	63.56	12	65.44	11	68.99
17	64.85	18	63.03	20	66.02	18	69.15
24	65.06	25	62.65	26	66.55	25	69.38
31	65.21	May 2	62.06	Aug. 3	66.86	Nov. 2	69.53
Feb. 7	65.22	9	61.80	9	67.51	7	69.64
14	65.33	16	61.55	16	67.77	14	69.85
21	65.41	23	61.76	23	68.06	21	69.89
28	65.46	30	62.05	30	68.32	28	69.90
Mar. 7	65.55	June 7	61.61	Sept. 6	68.34	Dec. 6	69.96
14	65.52	13	63.13	12	68.53	12	70.19
21	65.40	20	63.54	19	68.69	20	70.27
28	64.93	28	64.34	27	68.75	27	70.46

Cavalier County

161-60-14cd1. City of Langdon. Dug water-table well in Pierre shale, diameter 12 feet, depth 43 feet. Highest water level 15.82 below lsd, June 23, 1945; lowest 42.21 below lsd, Feb. 9, 1938. Records available: 1937-52. Measurement discontinued.

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: 1937-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	9.76	Apr. 4	11.21	July 18	5.96	Oct. 10	7.24
10	9.87	11	11.19	25	6.14	17	7.46
17	9.95	18	11.19	Aug. 1	6.41	24	7.53
24	10.13	25	11.16	8	5.74	31	7.53
31	10.21	May 2	11.52	15	5.83	Nov. 7	7.56
Feb. 7	10.36	9	10.92	22	6.03	14	7.60
14	10.48	16	9.58	29	6.23	21	7.65
21	10.67	23	9.20	Sept. 5	6.23	28	7.75
28	10.78	30	8.39	12	6.26	Dec. 5	7.80
Mar. 7	10.93	June 6	6.11	19	6.53	12	7.93
14	11.03	13	6.11	26	6.83	19	7.96
21	11.05	20	6.27	Oct. 3	7.98	26	8.11
28	11.20						

161-60-14dc1. City of Langdon. Dug water-table well in Pierre shale, diameter 21 feet, depth 49 feet. Highest water level 13.64 below lsd, May 3, 1941; lowest 48.77 below lsd, Jan. 29, 1938. Records available: 1937-52. Measurement discontinued.

161-60-23bc1. City of Langdon. Dug water-table well in Pierre shale, size 10 by 10 feet, depth 52 feet. Highest water level 7.80 below lsd, Apr. 22, 1950; lowest 47.13 below lsd, Feb. 18, 1939. Records available: 1937-52. Measurement discontinued.

Dickey County

129-59-7ba1. D. C. Botts. Driven water-table well in deposits of glacial Lake Dakota, diameter $1\frac{1}{2}$ 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, 1951-53. Apr. 22, 12.61.

130-59-9bc1. H. G. Martin, administrator. Driven water-table well in deposits of glacial Lake Dakota, diameter $1\frac{1}{4}$ inches, depth 17 feet. Highest water level 4.71 below lsd, May 5, 1945; lowest 14.17 below lsd, Sept. 12, 1940. Records available: 1940-53. Apr. 22, 6.03.

131-59-28ba1. City of Oakes. Driven water-table well in deposits of glacial Lake Dakota, diameter $1\frac{1}{4}$ inches, depth 24 feet. Highest water level 6.60 below lsd, May 17, 1948; lowest 10.71 below lsd, Jan. 2, 1940. Records available: 1940-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	9.72	Feb. 23	9.80	Apr. 13	9.49	June 1	8.92
12	9.74	Mar. 3	9.70	20	9.48	8	8.84
19	9.76	9	9.67	27	9.43	16	8.00
26	9.74	16	9.53	May 4	9.16	22	7.60
Feb. 2	9.78	24	9.50	12	9.04	29	7.78
9	9.79	30	9.50	18	9.02	July 6	7.97
16	9.80	Apr. 6	9.48	25	8.97	13	8.10

131-59-28ba1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 20	8.27	Aug. 31	8.70	Oct. 12	8.95	Nov. 23	8.87
27	8.39	Sept. 7	8.83	19	8.97	30	8.89
Aug. 4	8.44	14	8.89	26	8.96	Dec. 7	8.85
10	8.50	21	8.94	Nov. 2	8.90	14	8.84
17	8.60	28	8.96	9	8.90	21	8.86
24	8.69	Oct. 5	8.96	16	8.90	28	8.85

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, 1952-53. Apr. 22, 8.75; Oct. 28, 8.23.

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 11.89 below lsd, July 12, 1944; lowest 16.68 below lsd, Oct. 25, 1941. Records available: 1940-46, 1949, 1951-53. Apr. 29, 13.16.

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: 1942-53.

Jan. 2	9.99	Mar. 27	9.92	June 26	6.60	Oct. 16	9.31
9	10.22	Apr. 3	9.90	July 10	8.71	23	9.17
16	9.98	10	9.58	17	8.76	30	8.81
23	9.98	17	10.05	24	8.72	Nov. 6	9.15
30	10.08	24	9.46	31	8.16	13	9.03
Feb. 6	10.16	29	7.03	Aug. 7	8.54	20	9.14
13	9.86	May 1	9.47	14	9.23	27	8.80
20	10.03	15	7.27	28	9.11	Dec. 4	9.02
27	9.91	22	7.64	Sept. 4	8.86	11	9.08
Mar. 6	9.81	June 12	6.85	18	8.86	25	9.25
20	9.98	19	6.83				

Eddy County

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, 1948-53. Apr. 28, 21.14; Sept. 30, 19.95.

150-66-9bd1. Gilbert Olson. Dug water-table well in glacial drift, depth 17 feet. Highest water level 12.59 below lsd, May 27, 1950; lowest 15.69 below lsd, Mar. 28, 1935. Records available: 1935-36, 1938-52. Measurement discontinued

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, 1938-53. Apr. 28, 10.27; Sept. 30, 9.55.

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 15.63 below lsd, Oct. 20, 1951; lowest 27.95 below lsd, Apr. 6, 1941. Records available: 1940-53. Apr. 24, 19.91; Oct. 30, 18.08.

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 dry at 50.4 feet, Aug. 13, 1942. Records available: 1938-42, 1946-53.

Jan. 22	46.95	Apr. 23	46.77	July 16	46.84	Sept. 22	46.73
Feb. 12	46.80	May 7	46.14	Aug. 27	46.69	Oct. 21	46.68
Apr. 13	46.70	13	46.60				

Kidder County

138-73-9cc1. Herman Peterson. Drilled unused well, diameter $2\frac{1}{2}$ inches, depth 120 feet. Highest water level 5.57 below lsd, Oct. 26, 1948; lowest 8.97 below lsd, June 7, 1949. Records available: 1937-53. Apr. 23, 7.74; Nov. 10, 7.73.

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: 1940-53. Apr. 23, 6.57; Nov. 10, 7.47.

139-71-27cc1. Philip Mitteleider. Dug water-table well in glacial drift, diameter 37 inches, depth 10 feet. Highest water level 1.51 above lsd, May 26, 1950; lowest 9.81 below lsd, July 25, 1940. Records available: 1940-52. No measurement made in 1953.

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: 1940-53. Apr. 23, 17.48; Nov. 10, 18.43.

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 21.09 below lsd, Apr. 22, 1953; lowest 28.05 below lsd, Aug. 29, 1946. Records available: 1940-53. Apr. 22, 21.09.

McHenry County

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, 1952-53. Oct. 24, 1952, 4.61; Apr. 28, 1953, 2.46; Oct. 9, 0.49.

152-79-6bc1. Minneapolis, St. Paul, & Sault Ste. Marie Railroad. Dug water-table well in glacial drift, diameter 10 feet, depth 23 feet. Highest water level 9.42 below lsd, July 15, 1951; lowest 22.86 below lsd, Nov. 10, 1940. Records available: 1940-48, 1950-53. Apr. 28, 12.29; Nov. 19, 10.34.

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 1.34 below lsd, Sept. 21, 1948; lowest 8.18 below lsd, Nov. 15, 1940. Records available: 1932-41, 1943-53. Apr. 29, 4.20; June 11, 1.82; Oct. 9, 4.60.

156-78-36bc2. Denbigh Forest Experimental Station well 2. 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 0.90 below lsd, May 16, 1952; lowest 9.00 below lsd, Nov. 15, 1940. Records available: 1932-41, 1943-52. Measurement discontinued.

156-78-36bc3. Denbigh Forest Experimental Station well 3. 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 1.47 below lsd, June 20, 1951; lowest 8.30 below lsd, Nov. 15, 1940. Records available: 1932-41, 1945-48, 1951-52. Measurement discontinued.

156-78-36bc4. Denbigh Forest Experimental Station well 4. U. S. Forest Service. Dug unused water-table well in deposits of glacial Lake Souris, size 4 by 4 feet, depth 10 feet. Highest water level 1.24 below lsd, June 20, 1951; lowest dry, Apr. 20, 1940. Records available: 1932-41, 1943-48, 1951-52. Measurement discontinued.

156-78-36dd1. Denbigh Forest Experimental Station well 5. U. S. Forest Service. Dug unused water-table well in deposits of glacial Lake Souris, size 4 by 4 feet, depth 10 feet. Highest water level 2.24 below lsd, June 20, 1951; lowest 8.41 below lsd, Nov. 15, 1941. Records available: 1932-41, 1943-48, 1951-52. Measurement discontinued.

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: 1940-53. Apr. 28, 9.91; Oct. 9, 7.45.

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, 1952-53. Apr. 28, 2.94; Oct. 9, 3.24.

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, 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	23.73	Apr. 6	23.75	June 29	22.41	Oct. 17	23.54
19	23.74	16	23.76	July 7	22.54	23	23.05
26	23.83	21	23.80	13	22.79	29	23.16
Feb. 3	23.79	28	23.73	20	22.60	Nov. 2	22.98
9	23.81	May 4	23.67	27	22.63	9	22.98
16	23.86	11	23.74	Aug. 3	22.81	16	23.09
23	23.88	19	23.71	10	22.94	24	23.09
Mar. 3	23.89	25	23.61	17	22.96	30	23.04
9	23.91	June 2	23.50	Sept. 1	23.13	Dec. 7	23.07
16	23.89	9	23.42	10	23.26	14	23.12
24	23.71	15	23.43	23	22.98	21	23.22
31	23.76	22	22.59	30	23.06		

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. No measurement made in 1953.

McKenzie County

150-100-12cc1. Chas. E. Fleck. Drilled water-table well in Fort Union formation, diameter 6 inches, depth 138 feet. Highest water level 112.80 below lsd, Dec. 26, 1953; lowest 114.94 below lsd, Mar. 31, 1945. Records available: 1938-53.

Jan. 3	113.15	Apr. 4	113.32	July 12	113.30	Oct. 10	113.08
10	113.60	11	113.28	18	113.14	17	113.21
17	113.11	18	113.45	25	113.40	24	112.91
24	113.27	25	113.43	Aug. 1	113.29	31	113.13
31	113.46	May 9	113.11	8	113.13	Nov. 7	113.52
Feb. 7	113.27	16	113.11	15	113.23	14	113.09
14	113.33	23	113.33	22	113.29	21	113.07
21	113.19	30	113.26	29	113.25	28	113.27
28	114.53	June 6	113.28	Sept. 5	113.30	Dec. 5	113.26
Mar. 7	113.23	13	113.20	12	113.15	12	112.93
14	113.53	21	113.42	19	113.23	19	113.03
21	113.21	27	113.38	26	113.25	26	112.80
28	113.05	July 4	113.41	Oct. 3	113.42		

McLean County

149-84-15bc1. State of North Dakota. 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, 1951-53. Nov. 19, 40.98.

Morton County

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: 1941-53. May 7, 21.44; Nov. 11, 21.35.

130-85-15cc1. 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 48.24 below lsd, June 1, 1953. Records available: 1941-53.

Jan. 3	43.99	Apr. 4	45.18	July 7	29.48	Oct. 3	31.15
10	44.04	11	45.84	11	29.67	12	31.26
17	44.21	18	46.46	18	30.19	17	31.41
24	44.35	25	46.98	25	31.40	27	31.60
Feb. 1	43.56	May 3	47.34	Aug. 1	30.70	Nov. 2	31.71
11	44.85	10	47.79	8	30.83	7	32.79
16	44.94	16	48.04	16	30.94	16	31.76
22	45.08	23	48.22	25	31.00	25	31.88
Mar. 1	45.27	June 1	48.24	30	30.99	30	31.95
8	45.44	7	47.63	Sept. 5	30.95	Dec. 7	32.03
14	44.51	13	46.37	14	30.95	14	32.10
22	43.71	20	30.01	19	30.98	19	32.14
30	44.62	27	30.02	30	31.10		

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. No measurement made in 1953.

Nelson County

153-58-32dbb. Michigan City. Drilled unused artesian well in Pierre shale, diameter 5 inches, depth 120 feet. Water level affected by pumping of city supply wells. Highest water level 11.80 below lsd, June 23, 1950; lowest 23.10 below lsd, Sept. 3, 1953. Records available: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	21.30	Apr. 8	21.50	June 25	21.70	Sept. 24	22.80
20	21.90	16	21.80	July 2	21.50	30	22.60
27	21.10	22	21.60	9	21.50	Oct. 16	22.30
Feb. 3	21.00	30	21.80	15	21.50	22	22.20
10	21.00	May 5	22.00	22	21.80	Nov. 5	21.80
17	21.00	13	22.20	28	22.10	19	22.20
24	21.00	20	21.90	Aug. 5	22.50	Dec. 2	21.40
Mar. 3	21.00	27	21.90	12	22.40	10	21.40
10	20.90	June 3	21.70	20	22.60	17	21.60
17	21.00	10	21.40	27	22.80	24	21.50
24	21.10	17	21.70	Sept. 3	23.10	31	21.40
Apr. 1	21.30						

153-60-35aaa. U. S. Geol. Survey. Drilled unused artesian well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 60 feet. Water level affected by pumping of nearby municipal well. Highest water level 10.25 below lsd, June 12, 1951; lowest 26.27 below lsd, Nov. 13, 1953. Records available: 1949-53. Apr. 27, 17.17; Aug. 30, 24.60; Sept. 23, 18.68; Oct. 8, 20.86; Oct. 13, 19.90; Nov. 13, 26.27.

153-60-35ccc. U. S. Geol. Survey. Drilled unused artesian well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 64 feet. Highest water level 10.42 below lsd, Apr. 25, 1949; lowest 19.08 below lsd, Oct. 13, 1953. Records available: 1948-53. Mar. 5, 18.41; Apr. 27, 18.41; July 17, 14.95; Sept. 23, 16.93; Oct. 8, 16.95; Oct. 13, 19.08; Nov. 13, 17.17.

Pembina County

160-56-8dca1. Paul B. Olafson. Dug water-table well in deposits of glacial Lake Agassiz, diameter 4 feet, depth 10 feet. Highest water level 2.88 below lsd, May 20, 1946; lowest 7.55 below lsd, Aug. 26, 1946. Records available: 1946-52. Measurement discontinued.

160-56-9dcc1. J. Anderson. Dug water-table well in deposits of glacial Lake Agassiz, diameter 40 inches, depth 18 feet. Highest water level 4.60 below lsd, Aug. 1, 1950; lowest 7.13 below lsd, Nov. 17, 1951. Records available: 1946-52. Measurement discontinued.

160-56-16aa1. 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 8.85 below lsd, Sept. 16, 1947. Records available: 1946-53. May 15, 9.57; Dec. 3, 9.99.

160-56-16aab1. S. J. Hallgrimson. Dug water-table well in deposits of glacial Lake Agassiz, depth 22 feet. Highest water level 5.40 below lsd, Aug. 1, 1950; lowest 11.97 below lsd, Sept. 16, 1947. Records available: 1946-52. Measurement discontinued.

160-56-16aab4. H. J. Hjaltalin. Dug water-table well in deposits of glacial Lake Agassiz, diameter 5 feet, depth 17 feet. Highest water level 4.50 below lsd, Aug. 24, 1946; lowest 11.70 below lsd, Sept. 24, 1946. Records available: 1946-52. Measurement discontinued.

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: 1941-53.

Jan. 3	10.27	Feb. 28	10.51	Apr. 25	10.58	June 20	8.60
10	10.40	Mar. 7	10.52	May 2	10.30	27	8.20
17	9.60	14	10.54	9	9.98	July 4	8.30
24	9.90	21	10.56	16	9.77	11	8.58
31	9.90	28	10.58	23	9.53	18	8.85
Feb. 7	10.20	Apr. 4	10.58	30	9.35	25	8.99
14	10.30	11	10.58	June 6	8.94	Aug. 1	9.16
21	10.50	18	10.58	13	8.66	8	9.19

161-56-22bb1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 15	9.31	Sept. 19	9.87	Oct. 24	9.92	Nov. 28	9.98
22	9.58	26	9.91	31	9.92	Dec. 5	10.60
29	9.61	Oct. 3	9.96	Nov. 1	9.92	12	10.53
Sept. 5	9.66	10	9.95	14	9.92	19	10.50
12	9.75	17	9.94	21	9.94	26	10.51

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: 1941-53.

Jan. 3	11.21	Apr. 4	11.26	July 4	9.67	Oct. 3	11.00
10	11.17	11	11.27	11	9.64	10	10.93
17	11.19	18	12.78	18	9.76	17	10.91
24	11.23	25	12.74	25	9.84	24	10.88
31	11.23	May 2	10.71	Aug. 1	10.04	Nov. 7	10.78
Feb. 7	11.24	9	11.17	8	10.05	14	10.70
14	11.23	16	11.02	15	10.34	21	10.64
21	11.26	23	10.96	22	10.52	28	10.63
28	11.30	30	10.71	29	10.63	Dec. 5	10.64
Mar. 7	11.32	June 6	10.46	Sept. 5	10.73	12	10.63
14	11.27	13	10.16	12	10.78	19	10.57
21	11.26	20	10.02	19	10.87	26	10.60
28	11.25	27	9.90	26	10.87		

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 2.83 below lsd, May 19, 1950; lowest 11.98 below lsd, Apr. 1, 1944. Records available: 1941-53.

Jan. 11	11.40	Apr. 12	11.72	July 5	9.07	Oct. 4	10.62
18	11.45	19	11.64	12	9.07	11	10.68
25	11.47	26	11.28	19	9.18	18	10.68
Feb. 1	11.47	May 3	11.09	26	9.26	25	10.70
8	11.53	10	10.77	Aug. 2	9.26	Nov. 1	10.71
15	11.57	17	10.46	9	9.30	8	10.73
22	11.62	24	10.21	16	9.39	15	10.71
Mar. 1	11.68	31	9.94	23	9.64	21	10.68
8	11.70	June 7	9.76	Sept. 6	10.11	29	10.70
15	11.80	14	9.42	13	10.24	Dec. 6	10.72
22	11.72	21	9.27	20	10.37	13	10.74
29	11.69	28	9.18	27	10.63	19	10.75
Apr. 5	11.61						

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: 1950-53. Mar. 5, 6.21; May 1, 6.06; Sept. 28, 5.39.

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, 1952-53. Sept. 28, 23.52.

153-64-19da1. Camp Grafton Military Reserve. Drilled water-table well in glacial drift, diameter 4 inches, depth 148 feet. Highest water level 49.96 below lsd, Apr. 11, 1952; lowest 59.44 below lsd, May 29, 1951. Records available: 1943-53. Nov. 13, 49.99.

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: 1937-53. Apr. 28, 52.84; Oct. 8, 53.36.

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. No measurement made in 1953.

154-64-35cbc. William Johnson. Drilled unused artesian(?) well in Pierre shale, diameter 4 inches, depth 91 feet. Highest water level 27.79 below lsd, Oct. 23, 1950; lowest 32.24 below lsd, Apr. 27, 1953. Records available: 1950-53. Apr. 27, 32.24.

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: 1937-53. Apr. 29, 82.18; Nov. 17, 82.04.

Richland County

133-52-32cd1. Owner unknown. Driven water-table well in deposits of glacial Lake Agassiz, diameter 1½ 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, 1953. Apr. 22, 5.32; Oct. 28, 6.06.

133-52-33cdd. John Liljemark. Driven water-table well in deposits of glacial Lake Agassiz, diameter 1½ inches, depth 20 feet. Highest water level 0.75 below lsd, June 27, 1943; lowest 8.63 below lsd, Mar. 16, 1946. Records available: 1937-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	7.10	Apr. 4	6.27	July 11	3.10	Oct. 3	6.93
10	7.35	11	5.85	18	4.10	10	7.02
17	7.43	18	5.64	25	5.52	17	7.02
24	7.64	25	4.68	Aug. 1	5.35	24	7.06
31	7.64	May 2	3.18	8	5.43	31	7.02
Feb. 7	7.68	9	3.77	15	5.43	Nov. 7	7.02
14	7.68	16	3.27	22	6.23	14	7.00
21	7.73	23	2.35	29	6.27	21	7.00
28	7.43	30	2.02	Sept. 5	6.43	28	6.93
Mar. 7	7.48	June 6	2.52	12	6.52	Dec. 5	6.93
14	7.35	27	2.27	19	6.56	12	6.78
21	7.10	July 6	2.77	26	6.85	19	6.72
28	6.73						

Sheridan County

145-75-28bb1. Bank of North Dakota. Drilled well, diameter 2 inches, reported depth 300 feet. Highest water level 50.72 below lsd, Apr. 24, 1952; lowest 56.51 below lsd, Oct. 26, 1940. Records available: 1938-47, 1949, 1952-53. Apr. 23, 51.43; Nov. 9, 51.35.

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, 1951-53. Jan. 12, 15.94; Feb. 19, 16.09; July 22, 16.25; Aug. 17, 16.20; Sept. 15, 15.92; Oct. 22, 15.82.

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, 1952-53. May 6, 3.32; Nov. 12, 4.33.

139-96-3bbc1. City of Dickinson. Drilled water-table well in Fort Union formation, diameter 8 inches, depth 191 feet. Water level affected by pumping nearby city supply well. Highest water level 53.51 below lsd, Jan. 15, 1945; lowest 145.06 below lsd, Apr. 17, 1950. Records available: 1947-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	98.91	96.89	95.70	95.10	h93.08	91.77	.....	90.40	.....
2	.....	.....	.....	98.94	97.24	95.38	.....	93.08	91.48	.....	90.68	.....
3	.....	103.73	.....	98.82	97.36	95.02	94.39	93.08	91.49	h91.43	90.59	.....
4	.....	103.53	.....	98.64	97.38	95.35	94.35	93.12	91.49	91.38	90.58	.....
5	.....	103.46	.....	98.47	97.10	95.40	94.42	93.03	91.95	91.42	.....	.....
6	.....	103.22	.....	98.24	96.90	95.33	94.36	93.07	92.06	91.41	.....	.....
7	.....	108.10	103.02	98.20	96.61	95.12	94.35	93.07	92.00	91.08	.....	.....
8	.....	103.25	.....	98.30	.....	95.12	94.32	93.13	91.98	91.11	.....	.....
9	.....	109.10	.....	98.35	96.10	95.20	94.32	92.92	91.95	90.93	.....	.....
10	.....	103.87	.....	98.30	96.07	95.27	94.18	93.00	91.98	90.85	.....	.....

139-96-3bbc1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	102.82	.....	98.18	96.68	95.30	94.00	93.03	92.01	90.75	.....	.....
12	.....	102.82	101.10	98.10	103.10	95.19	94.01	93.00	92.02	90.75	.....	.....
13	.....	102.18	100.90	98.00	98.10	94.98	93.99	93.00	91.63	90.95	.....	.....
14	.....	102.13	100.70	98.10	96.90	94.91	93.86	93.08	91.70	90.96	.....	.....
15	.....	101.92	100.69	98.10	96.44	102.20	93.70	92.98	91.70	90.86	.....	.....
16	.....	101.95	100.32	97.93	96.36	94.92	93.90	92.76	91.48	90.60	.....	.....
17	.....	101.60	99.94	97.92	.....	95.00	93.90	92.71	91.48	90.59	.....	.....
18	.....	.....	99.90	98.02	96.21	95.60	h93.61	92.71	91.40	90.59	.....	.....
19	109.60	.....	99.87	98.15	95.81	97.10	.....	92.63	91.41	90.55	.....	.....
20	109.30	.....	99.47	98.83	95.83	99.75	.....	92.48	91.23	90.55	.....	.....
21	108.50	.....	99.28	97.26	95.83	94.90	.....	92.29	h91.13	90.18	.....	.....
22	108.50	.....	99.18	97.30	95.86	94.80	.....	92.32	.....	90.80	.....	.....
23	108.10	.....	99.60	97.33	95.88	94.63	.....	92.22	.....	90.78	.....	.....
24	107.50	.....	99.65	97.36	95.70	94.50	.....	h92.07	.....	90.60	.....	.....
25	107.20	.....	99.46	101.58	96.10	94.59	h93.41	.....	.....	90.57	.....	.....
26	h105.80	.....	99.57	98.92	96.14	94.60	.....	.....	.....	90.57	.....	.....
27	.....	.....	101.94	97.70	96.00	94.60	.....	.....	.....	90.42	.....	.....
28	.....h122.61		99.38	97.20	95.70	94.60	.....	.....	.....	90.45	.....	.....
29	.....		98.95	97.00	95.36	94.37	.....	h91.90	.....	90.20	.....	.....
30	.....		99.02	96.77	95.47	97.00	.....	91.91	.....	90.36	.....	.....
31	.....		98.90		95.68		.....	91.81		90.31		.....

h Tape measurement.

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, 1947-53. Oct. 8, 27.59.

160-66-28ba1. Alvin D. Krueger. Formerly Bank of North Dakota. Drilled unused water-table well in glacial drift, diameter 4 inches, depth 135 feet. Highest water level 13.84 below lsd, Aug. 20, 1949; lowest 17.15 below lsd, Dec. 26, 1942. Records available: 1937-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10	14.29	Apr. 11	14.24	July 11	13.98	Oct. 3	14.30
17	14.31	18	14.23	18	13.99	10	14.32
24	14.31	25	14.23	25	14.00	17	14.34
31	14.27	May 2	14.18	Aug. 1	14.02	24	14.35
Feb. 7	14.24	9	14.15	8	14.04	31	14.36
14	14.26	16	14.13	15	14.09	Nov. 7	14.37
21	14.29	23	14.06	22	14.14	14	14.39
28	14.26	30	14.00	29	14.18	21	14.41
Mar. 7	14.25	June 6	13.98	Sept. 5	14.22	28	14.43
14	14.25	13	13.96	12	14.24	Dec. 5	14.45
21	14.24	20	13.94	19	14.26	12	14.46
28	14.24	27	13.96	26	14.28	19	14.48
Apr. 4	14.24	July 7	13.97				

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. Oct. 7, 9.27.

148-53-18ab1. City of Hatton. Dug water-table well in glacial drift, diameter 5 feet, depth 38 feet. Highest water level 3.33 below lsd, June 3, 1950; lowest 25.63 below lsd, Sept. 14, 1940. Records available: 1938-52. Measurement discontinued.

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: 1938-53. Oct. 7, 12.36.

Walsh County

157-51-16dc2. Henry Dipple. Dug water-table well in deposits of glacial Laks 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: 1937-53. Jan. 19, 8.09; Dec. 3, 11.59.

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: 1937-38, 1946-53. May 15, 6.08; Dec. 3, 6.47.

157-55-17cd1. C. D. Lewis. Driven unused water-table well in deposits of glacial Lake Agassiz, diameter $1\frac{1}{2}$ inches, depth 15 feet. Highest water level 1.38 below lsd, June 12, 1943; lowest 10.47 below lsd, Nov. 11, 1938. Records available: 1938-53. May 15, 6.78; Dec. 3, 7.35.

Ward County

155-83-23baa1. City of Minot. Drilled unused artesian well in glacial drift, diameter 12 inches, depth 132 feet. Highest water level 39.40 below lsd, June 9, 1945; lowest 55.54 below lsd, July 25, 1951. Records available: 1944-53.

Daily lowest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June
1	.....	53.30	49.94	47.68	47.32	.....
2	.....	53.45	50.80	47.64	47.25	.....
3	.....	53.32	49.33	47.63	46.88	.....
4	.....	53.27	50.13	47.70	47.13	.....
5	.....	53.90	49.38	47.63	47.08	.....
6	.....	54.02	48.78	47.61	47.15	.....
7	.....	53.30	48.65	47.73	46.95	.....
8	54.55	53.57	48.45	47.71	47.18	.....
9	54.40	53.50	48.31	47.73	47.10	.....
10	53.88	53.40	48.43	47.58	46.48	.....
11	53.29	50.87	48.44	47.60	46.98	h39.83
12	53.72	50.83	.....	47.79	47.18	.....
13	53.73	50.80	48.31	47.46	47.12	.....
14	53.67	50.85	48.23	47.18	46.80	.....
15	e53.45	e50.89	47.98	47.57	46.83	.....
16	53.23	50.97	48.02	47.32	47.05	.....
17	e53.45	50.94	47.78	47.06	46.73	.....
18	e53.53	51.17	47.88	47.18	46.63	.....
19	53.62	50.76	48.01	47.18	46.90	.....
20	53.60	50.93	47.78	47.29	46.97	.....
21	e53.62	50.80	47.81	47.42	.....	.....
22	e53.55	50.85	47.91	47.34	.....	.....
23	e53.52	50.93	47.92	47.48	.....	.....
24	e53.48	50.57	47.84	47.23	.....	.....
25	53.40	50.40	47.78	e47.36	.....	.....
26	53.62	49.85	47.73	e47.50	.....	.....
27	53.60	e50.12	47.70	e47.42	.....	.....
28	53.52	50.35	47.38	e47.16	.....	.....
29	53.52		47.73	e47.14	.....	.....
30	53.50		47.85	47.10	.....	.....
31	.....		47.71		.....	

* No record for July, August, September, October, November, and December.
e Estimated.
h Tape measurement.

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 7.45 below lsd, July 12, 1944; lowest 11.65 below lsd, Nov. 17, 1953. Records available: 1942-46, 1953. Nov. 17, 11.65.

Wells County

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. Apr. 28, 0.98.

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, 1950-53. Apr. 28, 6.75.

Williams County

159-103-24da1. Albert Fischer. Formerly Hans O. Lottestad. 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: 1939-53.

159-103-24da1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	22.59	Apr. 12	20.21	July 12	2.05	Oct. 11	7.91
18	22.77	19	20.57	19	3.39	18	8.22
24	22.97	26	20.88	26	4.05	25	8.52
Feb. 1	23.07	May 3	20.67	Aug. 2	3.71	Nov. 1	9.05
8	23.23	10	20.72	9	4.52	8	9.03
15	24.36	17	13.80	16	5.02	15	8.98
22	23.48	24	12.72	22	5.33	21	9.09
Mar. 1	23.62	31	11.91	31	7.02	29	9.61
8	23.76	June 7	10.19	Sept. 7	6.37	Dec. 6	9.59
15	23.87	14	8.83	13	6.60	13	9.56
22	23.96	21	8.22	20	8.03	20	9.49
29	20.30	28	2.95	27	7.17	27	11.04
Apr. 5	20.67	July 5	1.29	Oct. 4	7.80		

159-103-24da2. Albert Fischer. Formerly Hans O. Lottestad. 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 39.01 below lsd, Dec. 28, 1940. Records available: 1938-53.

Jan. 11	17.42	Apr. 12	17.13	July 12	1.77	Oct. 11	6.91
18	17.43	19	17.07	19	3.19	18	7.09
24	17.68	26	17.07	26	4.08	25	7.19
Feb. 1	17.81	May 3	16.90	Aug. 2	2.47	Nov. 1	7.34
8	17.95	10	16.94	9	3.91	8	7.29
15	18.04	17	11.77	16	4.81	15	7.21
22	18.14	24	11.56	22	5.05	21	7.20
Mar. 1	18.27	31	11.01	31	6.61	29	7.54
8	18.40	June 7	9.95	Sept. 7	5.66	Dec. 6	7.46
15	18.51	14	9.27	13	5.86	13	7.37
22	18.63	21	8.95	20	6.16	20	7.26
29	17.53	28	2.16	27	6.32	27	7.98
Apr. 5	17.27	July 5	1.30	Oct. 4	7.02		

SOUTH DAKOTA

By J. R. Jones

Scope of Water-Level Program

The observation-well program, started in 1935, was continued through cooperation with the State Geological Survey until 1946. Since 1946 measurements of water levels have been continued as part of the Missouri River Basin program. The observation-well program includes 69 wells, of which 5 are equipped with recording gages.

Precipitation

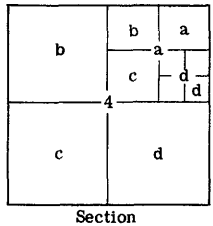
South Dakota in 1953 had a wet spring followed by an exceptionally dry fall. Precipitation was consistently above normal during the first 4 months of the year and during June and August. Some showers were very heavy locally. The annual precipitation for 1953 averaged 21.84 inches, which was about 2.5 inches above normal and about 7 inches more than in 1952.

Interpretation of Water-Level Fluctuations

Ground-water levels were generally high during 1953. Intermittent melting of snow during the mild late winter and spring and high precipitation resulted in greater than normal recharge. Water levels in some wells were highest in July because of heavy showers. Relatively high water levels in December reflect thaws. Many of the wells are affected by barometric pressure; of these well 115-66-2aaaa is most notable.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management subdivision. The first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. The first lowercase letter denotes the 160-acre tract, 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 is more than one well in the smallest tract, numbers are added as suffixes. Well numbers preceded by the capital letters A and D designate wells in the northeast and southeast quadrants, respectively, of the Black Hills meridian and base line system. Well numbers not preceded by a capital letter designate wells in the 5th or 6th principal meridian and base line systems. Following is a graphical illustration of this method of well numbering within a section of 640 acres.



Section

Well Descriptions and Water-Level Measurements

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

Beadle County

112-62-31cccc. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,307.3 feet above msl. Highest water level 6.93 below lsd, July 24, 1953; lowest 18.30 below lsd, July 23, 1948. Records available: 1948-53. Jan. 12, 9.52; Feb. 25, 9.50; Mar. 24, 9.24; Apr. 7, 7.91; May 4, 7.56; July 24, 6.93; Sept. 23, 7.80.

112-62-34cccc. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,291.8 feet above msl. Highest water level 4.16 below lsd, Apr. 18, 1952; lowest 11.47 below lsd, Nov. 8, 1948. Records available: 1948-52. A correction of 0.04 foot should be added to all measurements prior to 1951. No measurement made in 1953.

112-63-31cccc. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,340.4 feet above msl. Highest water level 1.57 below lsd, Apr. 18, 1952; lowest 21.0 below lsd, July 23, 1948. Records available: 1948-53. A correction of 0.03 foot should be added to all measurements for the period 1948 through Jan. 30, 1951. Jan. 12, 10.10; Feb. 25, 10.30; Mar. 24, 11.00; Apr. 7, 7.96; May 4, 5.48; July 24, 6.80; Sept. 23, 8.00.

112-63-34cccc. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 25 feet. Land-surface datum is 1,320.6 feet above msl. Highest water level 7.12 below lsd, Apr. 18, 1952; lowest dry, July 23, Aug. 7, 1948. Records available: 1948-52. No measurement made in 1953.

112-64-34cccc. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ 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 7.20 below lsd, Aug. 18, 1949. Records available: 1948-53. A correction of 0.03 foot should be added to all measurements for the period 1948 through Jan. 30, 1951. Jan. 12, 6.81; Mar. 24, 2.15; Apr. 7, 1.64; May 4, 0.90; July 24, 2.81; Sept. 23, 5.78.

113-60-31cccc. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 21 feet. Land-surface datum is 1,302.8 feet above msl. Highest water level 2.33 below lsd, May 4, 1953; lowest 9.55 below lsd, Jan. 18, 1950. Records available: 1949-53. A correction of 0.05 foot should be subtracted from all measurements prior to 1951.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	9.13	Apr. 7	4.10	July 24	3.24	Nov. 4	6.11
Feb. 25	9.01	May 4	2.33	Aug. 24	4.06	Dec. 2	6.05
Mar. 24	4.37	June 16	3.78	Sept. 23	4.81		

113-63-34cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1 inch, depth 40 feet. Land-surface datum is 1,301.6 feet above msl. Highest water level 0.64 below lsd, Apr. 14, 1952; lowest 5.23 below lsd, Sept. 16, 1952. Records available: 1950-53.

Jan. 12	4.01	Apr. 10	1.54	July 24	3.38	Nov. 4	4.24
Feb. 25	3.64	May 4	.65	Aug. 24	4.16	Dec. 2	3.74
Mar. 24	2.21	June 17	1.53	Sept. 23	4.53		

113-64-31cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 44 feet. Land-surface datum is 1,332 feet above msl. Highest water level 1.00 above lsd, Apr. 14, 1952; lowest 4.02 below lsd, Aug. 23, 1952. Records available: 1950-52. No measurement made in 1953.

113-64-31cccc3. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 18 feet. Land-surface datum is 1,332 feet above msl. Highest water level 0.98 above lsd, Apr. 14, 1952; lowest 3.70 below lsd, Sept. 17, 1950. Records available: 1950-52. No measurement made in 1953.

113-64-34cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1 inch, depth 40 feet. Land-surface datum is 1,345.5 feet above msl. Highest water level 0.43 below lsd, May 4, 1953; lowest 9.61 below lsd, Jan. 12, 1953. Records available: 1950-53.

Jan. 12	9.61	May 19	1.46	June 23	2.13	July 28	4.84
Feb. 26	9.46	26	2.16	30	2.88	Aug. 4	5.16
Mar. 24	2.80	June 2	2.66	July 7	3.58	11	5.42
Apr. 10	2.45	9	2.21	14	4.00	18	5.96
May 4	.43	16	1.97	21	4.56	25	6.47
12	.85	17	1.96	23	4.55	26	6.50

113-64-34cccc2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 1	6.98	Sept. 23	7.96	Oct. 19	8.80	Nov. 4	9.03
8	7.43	29	8.27	27	8.87	10	9.13
15	7.60	Oct. 7	8.44	Nov. 3	9.00	Dec. 2	8.98
21	7.96	13	8.68				

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 14.99 below lsd, Jan. 12, 1953. Records available: 1950-53.

Jan. 12	14.99	Apr. 10	7.27	July 23	9.85	Nov. 4	14.64
Feb. 26	14.43	May 4	4.77	Sept. 23	13.24	Dec. 2	14.53
Mar. 24	7.74	June 17	6.60				

Brown County

121-64-33dddd. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 24 feet. Land-surface datum is 1,294.5 feet above msl. Highest water level 6.9 below lsd, June 2, 1949; lowest 20.9 below lsd, Oct. 28, Dec. 2, 1948. Records available: 1948-52. No measurement made in 1953.

122-64-36ccdd. U. S. Bureau of Reclamation. Drilled observation well in lake sediments of Pleistocene age, diameter 4 inches, depth 44 feet. Land-surface datum is 1,298.7 feet above msl. Highest water level 13.8 below lsd, July 3, 1953; lowest 21.78 below lsd, Feb. 27, 1953. Records available: 1953.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	....	....	....	15.4	14.1	15.7	17.4	18.0	19.1	18.8
2	....	....	....	....	....	15.5	14.2	15.8	17.3	18.5	19.1	19.1
3	....	....	....	....	....	15.9	13.8	15.8	17.6	18.0	18.8	19.0
4	....	....	....	....	....	15.9	14.3	15.9	17.6	18.0	19.3	18.9
5	....	....	....	....	....	15.5	14.3	15.8	17.7	18.5	19.3	19.1
6	....	....	....	....	....	15.1	13.9	15.9	17.8	18.5	18.9	19.0
7	....	....	....	....	....	15.2	14.2	15.9	17.7	18.3	19.0	19.1
8	....	....	....	....	....	15.4	14.1	15.9	17.8	18.6	19.3	19.3
9	....	....	h21.77	....	....	15.7	14.2	16.0	17.8	18.3	19.1	18.8
10	....	....	....	....	....	15.6	14.0	16.1	17.9	18.5	19.0	18.9
11	....	....	....	....	....	15.4	14.0	16.4	18.0	18.5	19.2	19.3
12	....	....	....	....	....	14.9	14.2	16.6	18.0	18.5	19.1	19.0
13	....	....	21.63	....	....	15.6	14.2	16.4	17.8	18.7	19.0	19.4
14	....	....	21.31	....	....	15.6	14.3	16.7	18.1	18.7	19.1	19.4
15	....	....	21.20	....	....	15.5	14.4	16.7	18.1	18.7	19.0	19.5
16	....	....	21.25	....	....	15.4	14.5	16.7	17.8	18.8	19.1	19.5
17	....	....	21.18	....	....	15.4	14.6	16.8	18.3	18.8	18.9	19.5
18	....	....	21.05	....	....	15.3	14.6	16.8	18.1	18.6	19.3	19.1
19	....	....	20.77	....	....	15.2	14.6	16.8	18.3	18.8	19.2	19.1
20	....	....	20.59	....	h15.38	15.2	14.8	16.8	18.6	18.7	18.7	19.0
21	....	....	20.43	....	16.23	15.2	14.9	16.8	18.3	18.8	19.1	19.7
22	....	....	....	....	16.18	15.0	14.9	16.8	18.1	18.7	18.8	19.7
23	....	....	....	....	16.18	15.4	14.9	16.8	18.4	18.9	18.7	19.3
24	....	....	....	....	16.03	15.1	14.9	16.8	18.4	19.1	19.1	19.2
25	....	....	....	....	15.62	14.8	15.0	17.0	18.2	18.9	19.3	19.3
26	....	....	....	....	15.96	14.7	15.5	17.1	18.2	18.6	19.2	19.5
27	....	h21.78	....	....	16.15	14.6	15.4	17.1	18.4	19.0	19.1	19.4
28	....	....	....	....	16.09	14.6	15.4	17.1	18.4	19.0	19.1	19.0
29	....		....	....	15.70	14.2	15.4	17.2	....	19.0	19.0	19.7
30	....		....	....	15.56	14.0	15.4	17.3	....	18.8	19.1	19.5
31	....		....		15.36		15.3	17.3		19.0		19.3

h Tape measurement.

123-64-22ad. G. Reitz. Dug unused well in glacial drift, diameter 5 feet, depth 15 feet. Highest water level 5.70 below lsd, July 9, 1953; lowest 10.97 below lsd, Oct. 6, 1949. Records available: 1946-53. Mar. 27, 7.95; Apr. 22, 8.18; May 9, 6.50; May 28, 6.38; June 19, 6.05; July 9, 5.70; Aug. 7, 6.50. Measurement discontinued.

126-61-6aa. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ 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 9.04 below lsd, Oct. 14, 1952. Records available: 1950-53. Jan. 27, 8.67; Apr. 1, 7.21.

126-62-3bb. 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: 1950-53. Jan. 27, 14.44; Apr. 2, 9.30.

126-62-34ab. 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 7.17 below lsd, Jan. 27, 1953. Records available: 1950-53. Jan. 27, 7.17; Apr. 2, 4.83.

127-61-19dd. 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: 1950-53. Jan. 27, 6.01; Apr. 2, 6.26.

128-61-26bbb. 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 12.72 below lsd, Sept. 20, 1950. Records available: 1950-53. Jan. 28, 12.54; Apr. 3, 11.73.

Charles Mix County

95-65-9aa. U. S. Army, Corps of Engineers. Drilled unused artesian well in Codell sandstone member of Carlile shale, depth 350 feet, cased to 350. Land-surface datum is 1,474.9 feet above msl. Highest water level 228.54 below lsd, Dec. 6, 1953; lowest 236.66 below lsd, Apr. 19, 1953. Records available: 1952-53.

Daily noon water level from recorder graph, 1952*

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	232.31	234.50	234.39	234.50	234.00	234.45
2	.....	.....	.....	232.54	234.38	234.47	234.60	234.27	.....
3	.....	.....	h233.16	232.80	234.47	234.38	234.40	234.36	234.55
4	.....	.....	.....	233.05	234.47	234.35	234.50	234.10	234.62
5	.....	.....	.....	233.04	234.56	234.38	234.51	234.15	234.71
6	.....	.....	.....	233.25	234.58	234.55	234.56	234.31	234.62
7	.....	.....	.....	233.40	234.60	234.42	234.50	234.16	234.66
8	.....	.....	.....	233.67	234.50	234.44	234.39	234.13	234.69
9	.....	.....	.....	233.60	234.58	234.49	234.40	234.26	235.03
10	.....	.....	.....	233.57	234.59	234.45	234.33	234.15	235.20
11	.....	.....	h231.60	233.52	234.57	234.47	234.41	234.06	235.27
12	.....	.....	.....	233.66	.....	234.43	234.34	234.01	235.55
13	.....	.....	.....	233.76	.....	234.55	234.35	233.91	235.67
14	.....	.....	.....	233.87	h234.32	234.72	234.48	233.93	235.63
15	.....	.....	.....	233.91	234.41	234.61	234.35	233.91	235.49
16	.....	.....	.....	233.82	234.42	234.41	234.25	233.94	235.52
17	.....	.....	.....	233.88	234.51	234.38	234.39	233.94	235.66
18	.....	.....	.....	233.99	234.49	234.36	234.17	233.97	235.73
19	.....	h231.05	h230.98	234.08	234.31	234.38	234.23	234.09	235.67
20	.....	.....	231.07	233.95	234.33	234.47	234.29	234.00	235.71
21	.....	.....	231.05	234.06	234.45	234.46	234.16	234.08	235.60
22	.....	.....	231.02	234.04	234.45	234.51	234.18	234.18	235.56
23	.....	.....	230.97	234.33	234.37	234.37	234.22	234.22	235.65
24	.....	.....	230.89	234.47	234.31	234.41	234.13	234.18	235.77
25	h229.99	.....	230.88	234.30	234.28	234.40	234.15	234.17	235.65
26	.....	.....	230.99	234.47	234.23	234.37	234.17	234.19	235.57
27	.....	.....	231.14	234.49	234.22	234.27	234.30	234.39	235.50
28	.....	.....	231.41	234.38	234.40	234.43	234.35	234.38	235.44
29	.....	.....	231.84	234.60	234.32	234.42	234.12	234.40	235.44
30	.....	.....	232.14	234.46	234.19	234.38	233.98	234.51	235.61
31		.....		234.56	234.29		234.12		235.66

* No record for January, February, and March.
h Tape measurement.

95-65-9aa--Continued.

Daily noon water level from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	235.78	236.34	235.85	236.19	236.19	235.38	232.83	231.79	231.47	231.69	230.69	229.85
2	235.96	236.19	235.68	236.14	236.32	235.25	233.01	231.82	231.38	231.64	230.58	229.94
3	235.97	236.21	235.77	236.17	236.40	235.14	232.95	231.78	231.58	231.88	230.83	229.43
4	235.96	236.11	235.70	236.26	236.34	235.19	232.90	231.95	231.61	231.76	230.81	229.13
5	236.06	236.10	235.82	236.20	236.10	235.35	233.00	231.90	231.58	231.60	230.73	228.76
6	236.10	236.12	236.02	236.19	235.69	235.32	233.06	231.95	231.55	231.69	230.79	228.55
7	236.04	236.27	235.97	236.25	235.51	235.06	233.06	231.93	231.46	231.47	230.95	228.67
8	236.04	236.22	235.98	236.31	235.43	235.16	233.16	231.91	231.43	231.55	230.74	228.88
9	236.21	236.36	235.77	236.37	235.26	235.18	233.17	231.77	231.36	231.50	230.43	228.94
10	236.10	236.35	235.67	236.62	235.32	235.08	233.15	231.78	231.27	231.48	230.36	228.79
11	236.20	236.34	235.67	236.65	235.55	234.89	233.18	231.82	231.31	231.52	230.60	229.12
12	235.95	236.41	235.77	236.61	235.78	234.66	233.21	231.86	231.43	231.60	230.68	228.94
13	236.05	236.22	235.61	236.50	235.83	234.43	233.35	231.82	231.22	231.61	230.72	229.07
14	236.15	236.35	235.50	236.37	235.65	234.38	233.44	231.94	231.31	231.60	230.74	229.25
15	236.29	236.23	235.66	236.52	235.68	234.33	233.51	231.93	231.37	231.45	230.72	229.24
16	236.50	236.48	235.56	236.38	235.60	234.62	233.53	231.83	231.23	231.27	230.82	229.42
17	236.28	236.36	235.31	236.40	235.61	234.28	233.35	231.83	231.16	231.23	230.68	229.38
18	236.27	236.33	235.43	236.54	235.71	234.00	233.08	231.78	231.47	231.15	230.81	229.20
19	236.22	236.32	235.36	236.62	235.57	233.77	232.96	231.76	231.31	231.11	230.94	229.16
20	236.34	236.20	235.11	236.56	235.47	233.68	232.91	231.72	231.47	231.00	230.61	229.06
21	236.28	236.41	235.07	236.38	235.71	233.58	232.96	231.65	231.68	231.08	230.76	229.35
22	236.36	236.17	235.25	236.45	235.74	233.27	232.93	231.55	231.51	231.25	230.64	229.62
23	236.41	236.17	235.29	236.53	235.80	232.96	232.85	231.45	231.55	231.33	230.49	229.45
24	236.42	236.10	235.35	236.34	235.54	232.78	232.65	231.32	231.57	231.15	230.59	229.40
25	236.37	235.92	235.25	236.53	235.66	232.88	232.64	231.38	231.61	231.13	230.59	229.37
26	236.27	235.78	235.23	236.65	235.81	232.81	232.58	231.42	231.50	231.20	230.26	229.37
27	236.35	235.93	235.50	236.50	235.65	232.74	232.49	231.41	231.46	231.07	230.46	229.39
28	236.42	235.93	235.53	236.38	235.25	232.80	232.32	231.30	231.46	230.99	230.21	229.15
29	236.35		235.70	236.33	235.10	232.76	232.19	231.25	231.54	230.78	230.21	229.28
30	236.22		236.00	236.13	235.17	232.90	231.95	231.32	231.81	230.75	230.18	229.10
31	236.25		236.08		235.34		231.88	231.35		230.82		228.68

Codington County

117-52-5bb. Desmond. Dug unused well in glacial drift, diameter 36 inches, depth 12 feet. Highest water level 2.17 below lsd, July 31, 1953; lowest 7.05 below lsd, Mar. 3, 1953. Records available: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 3	7.05	May 7	4.23	July 8	4.56	Oct. 26	6.08
28	5.35	25	5.09	31	2.17	Nov. 17	6.03
Apr. 21	5.32	June 16	4.93	Sept. 14	5.67	Dec. 17	6.05

Corson County

A-20-28-35bd. J. Corken. Dug domestic well, diameter 36 inches, depth 19 feet. Highest water level 10.65 below lsd, July 2, 1950; lowest dry, Sept.-Oct. 1947, Sept.-Nov. 1948, July-Oct. 1949. Records available: 1946-52. Measurement discontinued.

Custer County

D-6-8-13aad. W. Sneider. 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 16.32 below lsd, May 3, 1952. Records available: 1946-52. No measurement made in 1953.

D-6-8-24ddc. E. Mohler. Dug domestic and stock well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 41 feet. Land-surface datum is 2,995.6 feet above msl. Highest water level 37.07 below lsd, Mar. 3, Apr. 29, 1948; lowest 38.00 below lsd, July 2, 1948. Records available: 1946-52. No measurement made in 1953.

D-6-8-26aac. Owner unknown. 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. No measurement made in 1953.

D-6-9-8ccb. 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 35.06 below lsd, June 28, 1949; lowest 35.90 below lsd, July 2, 1948. Records available: 1946-52. No measurement made in 1953.

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 feet above msl. Highest water level 16.33 below lsd, Dec. 10, 1947; lowest 17.98 below lsd, June 23, 1952. Records available: 1946-52. No measurement made in 1953.

D-6-9-18acc2. U. S. Government. Dug unused well in alluvial sand and gravel of Quaternary age, diameter 5 feet. Land-surface datum is 2,952 feet above msl. Highest water level 5.88 below lsd, July 2, 1947; lowest 8.60 below lsd, July 2, 1948, June 23, 1952. Records available: 1946-52. No measurement made in 1953.

D-6-9-18dcc2. L. J. Berfiend. Dug domestic and stock well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 37 feet. Land-surface datum is 2,984 feet above msl. Highest water level 31.48 below lsd, Dec. 29, 1949; lowest 32.92 below lsd, Mar. 31, 1952. Records available: 1946-52. No measurement made in 1953.

Davison County

103-61-31ca. 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 12.16 below lsd, Oct. 22, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 22, 1950	8.01	Jan. 31, 1952	8.10	Nov. 6, 1952	12.01	Sept. 23, 1953	10.81
Feb. 6, 1951	10.35	Feb. 27	6.42	Dec. 10	11.70	Oct. 6	11.10
Apr. 16	8.30	May 2	7.45	Jan. 22, 1953	11.75	22	12.16
Sept. 21	8.88	31	8.21	Feb. 3	11.74	Nov. 5	11.19
Oct. 13	8.49	July 7	9.94	June 25	8.58	18	10.95
Nov. 3	8.76	Sept. 30	11.56	July 11	8.30	Dec. 15	10.10

Fall River County

D-7-7-25ccc. 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 10.28 below lsd, May 25, 1950; lowest 12.13 below lsd, Apr. 20, 1953. Records available: 1946-53. Jan. 22, 11.68; Apr. 20, 12.13.

D-7-7-27bab. 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 17.79 below lsd, May 25, 1950; lowest 19.40 below lsd, July 2, 1948. Records available: 1946-53. Jan. 22, 18.89; Apr. 20, 18.86.

D-7-8-11ccd. Joseph Gamet. Dug domestic and stock well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 38 feet. Land-surface datum is 3,022 feet above msl. Highest water level 28.33 below lsd, Aug. 10, 1949; lowest 34.27 below lsd, Apr. 19, 1946. Records available: 1946-52. No measurement made in 1953.

D-7-8-14cdd. 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 48.01 below lsd, July 2, 1949; lowest 49.90 below lsd, July 2, 1948. Records available: 1946-53. Jan. 22, 48.54; Mar. 9, 48.47.

D-7-8-19cab. 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 12.83 below lsd, July 1, 1947; lowest 14.98 below lsd, Oct. 8, 1952. Records available: 1946-53. Jan. 22, 13.69; Mar. 6, 13.90; Apr. 21, 13.62.

D-7-8-33bbb. A. J. Segar. Dug unused well, diameter 4 feet. Land-surface datum is 3,156.7 feet above msl. Highest water level 16.52 below lsd, Sept. 26, 1949; lowest 23.45 below lsd, June 5, 1946. Records available: 1946-52. No measurement made in 1953.

D-8-6-10daa. U. S. Government. Dug unused well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 42 feet. Land-surface datum is 3,135 feet above msl. Highest water level 38.37 below lsd, Aug. 10, 1949; lowest dry, Mar. 1952-Jan. 20, 1953. Records available: 1946-53. Jan. 20, dry.

D-8-6-13bad. H. J. Larson. Formerly A. J. Kieffer. 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 10.48 below lsd, July 29, 1952. Records available: 1946-53. Jan. 20, 10.18; Apr. 20, 10.01.

D-8-7-5acc. E. Hagerman. Dug unused well in terrace sand and gravel of Quaternary age, depth 49 feet. Land-surface datum is 3,116 feet above msl. Highest water level 42.35 below lsd, Apr. 20, 1953; lowest 45.62 below lsd, June 4, 1947. Records available: 1946-53. Jan. 21, 42.97; Apr. 20, 42.35.

D-8-7-6dcd. 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 32.44 below lsd, Apr. 20, 1953; lowest 35.60 below lsd, July 2, 1948. Records available: 1946-53. Jan. 21, 33.02; Apr. 20, 32.44.

D-8-7-7bbb2. H. Kneuple. Dug domestic and stock well in terrace sand and gravel of Quaternary age, diameter 4 feet. Land-surface datum is 3,110 feet above msl. Highest water level 2.24 below lsd, Apr. 20, 1953; lowest 7.98 below lsd, Aug. 7, 1946. Records available: 1946-53. Jan. 20, 5.73; Apr. 20, 2.24.

D-8-7-8dcc. 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 water level 14.89 below lsd, Dec. 29, 1949; lowest 18.00 below lsd, Nov. 24, 1952. Records available: 1946-53. Apr. 20, 16.61.

Haakon County

A-1-25-6dd. 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: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	22.50	May 13	20.40	Aug. 11	20.90	Oct. 2	21.47
Feb. 16	21.93	June 9	20.58	Sept. 1	21.20	Nov. 11	21.71
Mar. 9	21.99	July 7	20.70	21	21.45	Dec. 8	21.84
Apr. 14	20.99	21	20.90				

Hand County

112-66-36dddd2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ 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. 13, 1949. Records available: 1948-53. A correction of 1.15 feet should be added to all measurements for the period 1948-49 and 1.10 feet for the period 1950-52. Jan. 12, 15.30; Feb. 25, 15.18; Mar. 24, 14.90; Apr. 7, 14.61; May 4, 14.00; July 24, 14.74; Sept. 23, 14.98.

112-69-3dc. 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: 1946-53.

Jan. 26	10.32	May 5	2.41	July 27	6.67	Oct. 26	9.08
Feb. 24	10.65	25	4.27	Sept. 14	8.16	Dec. 14	9.37
Mar. 26	3.32	June 15	4.52	Oct. 8	8.86	17	9.24
Apr. 20	4.40	July 11	5.79				

113-66-34cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 40 feet. Land-surface datum is 1,410.5 feet above msl. Highest water level 1.50 below lsd, Apr. 14, 1952; lowest 7.37 below lsd, Oct. 31, 1952. Records available: 1950-53.

Jan. 13	6.93	May 4	1.79	Aug. 26	5.88	Nov. 4	6.97
Mar. 26	2.64	June 17	2.65	Sept. 23	6.99	Dec. 2	6.58
Apr. 13	2.94	July 23	5.29				

113-67-34cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 40 feet. Land-surface datum is 1,469.9 feet above msl. Highest water-level 2.51 below lsd, Apr. 14, 1952; lowest 10.78 below lsd, Oct. 15, 1952. Records available: 1950-53.

Jan. 13	9.06	May 4	5.80	Aug. 26	8.13	Nov. 4	8.59
Mar. 26	7.11	June 17	6.31	Sept. 23	8.17	Dec. 2	8.63
Apr. 13	7.18	July 23	6.84				

115-66-2aaaa1. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 4 inches, depth 149 feet, cased to 62. Land-surface datum is 1,359.65 feet above msl. Highest water level 19.98 below lsd, July 29, 1953; lowest 23.19 below lsd, Mar. 6, 1953. Records available: 1953.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	22.80	22.02	21.70	20.62	20.17	20.20	20.30	20.84	20.89
2	.....	.....	.....	22.80	22.22	21.41	20.80	20.27	20.08	20.30	20.79	21.19
3	.....	.....	h22.85	22.73	22.40	21.36	20.65	20.23	20.30	20.76	21.02	21.07
4	.....	.....	22.80	22.76	22.44	21.39	.....	20.38	20.30	20.68	21.11	20.97
5	.....	.....	22.95	22.60	22.38	21.57	.....	20.30	20.29	20.63	20.99	21.17
6	.....	h22.77	23.19	22.52	22.18	21.58	.....	20.33	20.40	20.65	20.85	21.09
7	.....	.....	.....	22.49	22.10	21.27	h20.67	20.40	20.29	20.40	21.05	21.18
8	.....	.....	.....	22.52	22.02	21.36	20.70	20.40	20.34	20.59	21.06	21.41
9	.....	.....	23.05	22.58	21.74	21.55	20.70	20.17	20.35	20.43	20.90	21.32
10	.....	.....	22.90	22.57	21.80	21.55	20.54	20.20	20.29	20.47	20.90	20.95
11	.....	.....	22.93	22.61	21.95	21.53	20.44	20.30	20.40	20.53	21.00	21.42
12	.....	.....	23.14	22.50	22.23	21.43	20.44	20.35	20.49	20.53	20.87	21.08
13	.....	.....	23.03	22.43	22.23	21.30	20.48	20.22	20.16	20.56	20.80	21.35
14	.....	.....	22.93	22.37	21.90	21.30	20.46	20.40	20.27	20.68	20.80	21.47
15	.....	.....	22.17	22.60	21.86	21.07	20.43	20.37	20.33	20.67	20.71	21.50
16	.....	h23.03	22.07	22.53	21.86	21.40	20.43	20.34	20.17	20.55	20.84	21.67
17	.....	22.80	22.75	22.55	21.77	21.10	20.43	20.35	20.05	20.52	20.60	21.67
18	.....	22.87	22.88	22.59	21.80	21.05	20.35	20.34	20.36	20.55	20.85	21.35
19	.....	22.99	22.96	22.63	21.52	21.12	20.26	20.33	20.20	20.59	21.04	21.24
20	.....	22.91	22.74	22.40	21.38	21.20	20.30	20.28	20.42	20.55	20.70	21.07
21	.....	23.11	22.64	22.15	21.68	21.37	20.40	20.23	20.65	20.52	20.81	21.50
22	.....	22.90	22.85	22.32	21.76	21.37	20.40	20.23	20.52	20.80	20.80	21.72
23	.....	23.05	22.93	22.36	21.74	21.08	20.40	20.16	20.27	20.86	20.52	21.45
24	.....	23.03	23.13	22.05	21.43	20.92	20.15	20.05	20.38	20.64	20.87	21.35
25	.....	.....	23.15	22.38	21.60	21.07	20.27	20.05	20.46	20.67	21.10	21.30
26	.....	.....	23.03	22.48	21.88	21.06	20.47	20.05	20.35	20.78	20.77	21.33
27	h23.10	.....	23.10	22.33	21.69	20.99	20.38	20.08	20.20	20.72	21.24	21.42
28	.....	.....	22.93	22.15	21.41	21.07	20.24	20.05	20.30	20.79	21.06	21.07
29	.....		22.71	22.13	21.22	20.82	20.37	20.08	20.40	20.65	21.17	21.58
30	.....		22.80	21.95	21.30	20.78	20.37	20.19	20.61	20.70	21.23	21.50
31	.....		22.82		21.62		20.32	20.12		20.85		21.28

h Tape measurement.

Jerauld County

108-64-6cc1. A. C. Crouch. Dug well in glacial drift, diameter 18 inches, depth 23 feet. Highest water level 12.59 below lsd, Sept. 9, 1948; lowest 21.66 below lsd, Sept. 29, 1949. Records available: 1946-53. Mar. 19, 19.38; July 21, 18.95.

Marshall County

126-58-8cc. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter $\frac{3}{4}$ inch, depth 21 feet. Land-surface datum is 1,311.1 feet above msl. Highest water level 10.46 below lsd, May 29, 1952; lowest 15.88 below lsd, Apr. 10, 1951. Records available: 1950-53. Jan. 27, 14.42; Apr. 2, 14.12.

126-59-12cd. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter $\frac{3}{4}$ inch, depth 24 feet. Land-surface datum is 1,299.9 feet above msl. Highest water level 5.42 below lsd, May 28, 1952; lowest 8.85 below lsd, Nov. 20, 1950. Records available: 1950-53. Jan. 27, 8.72; Apr. 2, 8.01.

127-58-19cc. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter $\frac{3}{4}$ 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 8.10 below lsd, Feb. 9, 1951. Records available: 1950-53. Jan. 28, 7.47; Apr. 3, 5.22.

127-59-33ad. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter $\frac{3}{4}$ 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 9.14 below lsd, Nov. 27, 1950. Records available: 1950-53. Jan. 28, 8.81; Apr. 2, 7.38.

Minnehaha County

101-49-33bb. C. Donaldson. Dug unused well in glacial drift, diameter 30 inches, depth 12 feet. Highest water level 7.34 below lsd, Apr. 30, 1952; lowest 10.65 below lsd, Feb. 1, 1951. Records available: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	9.43	May 2	8.14	Sept. 24	8.85	Nov. 3	9.12
Feb. 2	9.46	June 10	7.90	Oct. 7	8.95	19	9.13
Mar. 4	9.32	26	8.47	20	9.05	Dec. 11	9.16
Apr. 1	9.05	Sept. 10	7.70				

Pennington County

A-1-8-17ddd1. E. H. Hoff. Dug stock well in alluvial sand and gravel, depth 18 feet. Highest water level 3.58 below lsd, May 19, 1950; lowest 15.60 below lsd, Jan. 21, 1953. Records available: 1946-53.

Jan. 21	15.60	Mar. 18	11.95	June 24	4.15	Aug. 20	8.75
Feb. 21	15.50	Apr. 20	8.50	July 29	8.85	Nov. 19	12.45

A-1-14-5ab1. A. Trople. Dug stock well, depth 15 feet. Highest water level 1.54 below lsd, Mar. 9, 1949; lowest 7.80 below lsd, Dec. 8, 1949. Records available: 1946-53.

Jan. 13	5.00	Mar. 30	3.20	July 15	3.30	Oct. 2	5.93
Feb. 2	5.30	May 21	5.05	Aug. 7	3.20	Nov. 2	5.60
Mar. 7	5.50	June 3	3.10	Sept. 14	5.70	Dec. 14	4.60
21	5.60						

Sanborn County

108-61-31bc. George Doering. Drilled domestic well in Niobrara formation, diameter 3 inches, depth 150 feet. Highest water level 6.16 below lsd, June 13, 1948; lowest 11.56 below lsd, Oct. 15, 1952. Records available: 1946-47, 1949-53. Mar. 20, 10.44.

108-62-1cc. H. H. Grant. 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: 1947-53. Mar. 20, 46.02.

Spink County

114-64-11bbbb. 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 6.75 below lsd, Feb. 3, 1953. Records available: 1953.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	6.71	5.63	4.80	4.15	3.98	c4.22	4.69	5.23	5.55	5.56
2	....	....	6.69	5.60	4.69	4.13	3.98	c4.37	4.72	5.23	5.56	5.57
3	....	h6.75	6.68	5.57	4.65	4.09	3.99	c4.45	4.77	5.29	5.60	5.50
4	....	6.74	6.68	5.57	4.59	4.09	....	4.47	c4.79	5.31	5.66	5.49
5	....	6.73	6.70	5.57	4.53	4.12	....	4.41	c4.92	5.35	5.70	5.51
6	....	6.71	6.73	5.52	4.47	4.14	....	4.35	....	5.36	5.66	5.51
7	....	6.72	6.73	5.51	4.40	4.13	....	4.33	....	5.33	5.66	5.52
8	....	6.72	6.73	5.50	4.35	4.04	....	4.33	....	5.35	5.66	5.57
9	....	6.74	6.73	5.50	4.29	4.05	....	4.30	....	5.35	5.69	5.57
10	....	6.68	6.71	5.50	4.25	4.07	....	4.29	....	5.35	5.67	5.57
11	....	6.69	6.70	5.44	....	4.08	....	4.30	....	5.36	c5.71	c5.94
12	....	6.70	6.69	5.44	4.26	4.09	....	4.31	....	5.42	....	c5.94
13	....	6.67	6.64	....	4.24	4.09	....	4.32	....	5.43	....	5.90
14	....	6.68	6.50	....	4.18	4.09	....	4.36	....	5.43	5.70	5.85
15	....	6.68	6.48	....	4.17	4.00	....	4.38	....	5.43	5.66	5.80
16	....	6.74	6.46	....	4.17	3.99	....	4.40	....	5.43	5.65	5.81
17	....	6.70	6.39	5.42	4.16	3.99	....	4.42	....	5.43	....	5.80
18	....	6.71	6.31	5.42	4.16	3.99	....	4.44	....	5.43	....	5.75
19	....	6.72	6.29	5.44	4.14	3.99	....	4.46	....	5.43	5.64	5.71
20	....	6.71	6.16	5.40	4.14	3.98	....	4.48	....	5.43	5.52	5.67

114-64-11bbbb--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	....	6.73	5.97	5.37	4.20	3.98	....	4.50	...	5.44	5.53	5.68
22	....	6.72	5.92	5.37	4.20	3.98	....	4.52	....	5.47	5.54	5.73
23	....	6.72	5.86	5.35	4.20	3.98	....	4.54	....	5.50	5.50	5.72
24	....	6.72	5.86	5.29	4.16	3.98	4.33	4.55	....	5.49	5.53	5.69
25	....	6.71	5.86	5.30	4.13	3.98	4.26	4.57	....	5.49	5.58	5.69
26	....	6.69	5.84	5.31	4.17	3.98	4.16	4.58	....	5.50c	5.55	5.68
27	....	6.71	5.83	5.29	4.17	3.98	4.15	4.60	....	5.51	5.61	5.65
28	....	6.73	5.80	5.22	4.14	3.98	4.11	4.62	....	5.51	5.60	5.64
29	....		5.71	4.96	4.09	3.98	4.11	4.62	5.18	5.50	5.61	5.65
30	....		5.69	4.88	4.07	3.98	4.12	4.66	5.23	5.54	5.60	5.68
31	....		5.68		4.11		4.12	4.67		5.57		5.66

c Nearby well being pumped.
h Tape measurement.

115-62-7dddd. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 25 feet. Land-surface datum is 1,294.1 feet above msl. Highest water level 20.58 below lsd, May 22, 1950; lowest 25.5 below lsd, Mar. 1, 1949. Records available: 1948-53. Jan. 21, 24.22.

115-63-4aaaa. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,293.8 feet above msl. Highest water level 10.80 below lsd, July 6, 1948; lowest 17.80 below lsd, Sept. 22, 1950. Records available: 1948-52. No measurement made in 1953.

115-65-28aaaa1. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 8 inches, depth 105 feet. Land-surface datum is 1,340.4 feet above msl. Highest water level 22.02 below lsd, June 27, 1953; lowest 24.46 below lsd, Nov. 9, 1951. Records available: 1951-53. Nov. 6. 1951, 24.35; Nov. 7, 24.16; Nov. 9, 24.46; Nov. 10, 24.40.

Daily noon water level from recorder graph, 1952*

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	22.80	23.14	.....	23.51	23.57	.....
2	.....	22.80	23.16	.....	23.52	23.57	.....
3	.....	22.82	23.16	.....	23.51	23.55	.....
4	.....	22.82	.....	.....	23.52	23.57	h23.56
5	.....	22.80	.....	h23.31	23.53	23.57	23.56
6	h22.89	22.82	.....	23.33	.....	23.55	23.52
7	22.89	.....	.....	23.33	.....	23.57	23.53
8	22.92	.....	.....	23.33	.....	23.59	23.51
9	22.93	.....	.....	23.34	.....	23.57	23.56
10	.....	.....	.....	23.34	.....	23.57	23.58
11	22.94	.....	.....	23.36	.....	23.57	23.56
12	22.93	.....	.....	23.36	.....	23.55	23.61
13	22.93	.....	23.21	23.37	.....	23.55	23.63
14	22.94	.....	23.21	23.41	.....	23.55	23.63
15	22.91	.....	23.22	23.41	.....	23.56	23.59
16	22.96	22.91	23.23	23.41	.....	23.45	23.59
17	22.97	22.93	23.26	.....	.....	23.49	23.62
18	23.02	22.94	23.26	.....	.....	23.49	23.63
19	23.01	22.97	23.26	23.44	.....	23.53	23.63
20	22.97	22.95	23.27	23.46	.....	.....	23.63
21	22.99	22.98	23.28	23.46	h23.55	.....	23.62
22	22.89	22.99	.....	23.47	23.55	.....	23.61
23	22.90	23.05	.....	23.47	23.55	.....	23.63
24	22.93	23.05	.....	23.47	23.55	.....	23.65
25	22.93	23.06	.....	23.48	23.55	.....	23.64
26	22.95	23.07	.....	23.46	23.57	.....	23.64
27	22.90	23.07	h23.25	23.44	23.57	.....	23.65
28	22.83	23.12	.....	23.48	23.55	.....	23.64
29	22.83	23.13	.....	23.48	23.52	.....	23.63
30	22.82	23.13	.....	23.48	23.53	.....	23.62
31		23.14	.....		23.53		23.62

* No record for January, February, March, April, and Ma,
h Tape measurement.

115-65-28aaaa1--Continued.

Daily noon water level from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.62	23.71	.....	23.03	22.64	h22.34	22.11	22.29	.....	22.67	.....	22.81
2	23.64	23.70	.....	23.00	22.61	22.30	22.18	22.29	.....	22.68	.....	22.82
3	23.64	23.70	.....	22.98	22.62	22.27	22.18	22.26	22.52	22.74	.....	22.78
4	23.64	23.69	.....	22.98	22.63	22.28	22.15	22.27	22.52	22.74	.....	22.75
5	23.65	23.69	.....	22.98	22.61	22.32	.....	22.27	22.53	22.75	.....	22.77
6	23.65	23.69	.....	22.93	22.58	22.32	.....	22.27	22.55	22.75	.....	22.77
7	23.64	23.70	.....	22.92	22.53	22.29	.....	22.28	22.56	h22.73	.....	22.77
8	23.64	23.70	.....	22.88	22.50	22.27	.....	22.29	22.56	22.74	.....	22.81
9	23.60	23.72	h23.61	22.98	22.43	22.31	h22.24	22.29	22.57	22.75	.....	22.82
10	23.66	23.64	23.60	22.90	22.41	22.32	22.23	22.29	22.51	22.74	.....	22.78
11	23.68	23.65	23.59	22.90	22.42	22.32	22.23	22.29	22.53	22.74	.....	22.81
12	23.65	23.66	23.59	22.90	22.46	22.33	22.23	22.31	22.56	22.75	.....	22.79
13	23.66	23.63	23.56	22.89	22.45	22.32	22.23	22.31	22.53	22.76	h22.84	22.83
14	23.67	23.64	23.45	22.88	22.40	22.32	22.23	22.34	22.54	22.77	23.14	22.85
15	23.65	23.63	23.45	22.81	22.40	22.14	22.26	22.35	22.56	22.77	23.03	22.86
16	23.65	23.67	23.42	22.91	22.38	22.22	22.26	22.36	22.54	22.77	22.98	22.89
17	23.62	23.65	23.35	22.91	22.37	22.19	22.24	22.37	22.54	22.76	22.90	22.89
18	23.63	23.65	23.32	22.93	22.37	22.19	22.24	22.39	22.58	22.76	22.90	22.86
19	23.63	23.65	23.31	22.94	22.33	22.20	22.24	22.40	22.58	22.78	22.91	22.84
20	23.66	23.63	23.25	22.94	22.33	22.06	22.26	22.40	22.61	22.78	22.80	22.81
21	23.65	23.66	23.17	22.90	22.34	22.13	22.27	22.40	22.66	22.78	22.79	22.86
22	23.68	23.64	23.17	22.90	22.34	22.14	22.27	22.42	22.63	22.78	22.80	22.88
23	23.68	23.66	23.14	22.92	22.34	22.12	22.30	22.42	22.63	22.81	22.79	22.86
24	23.69	23.66	23.14	22.86	22.32	22.08	22.29	22.42	22.64	22.81	22.80	22.86
25	23.69	h23.64	23.13	22.85	22.34	22.07	22.29	22.42	22.64	22.78	22.84	22.85
26	23.68	.....	23.11	22.89	22.37	22.09	22.26	22.43	22.63	22.81	22.83	22.83
27	h23.71	.....	23.11	22.88	22.32	22.02	22.27	22.46	22.62	22.81	22.87	22.84
28	23.70	.....	23.08	22.85	22.28	22.08	22.26	22.46	22.63	22.81	22.86	22.81
29	23.70		23.04	22.81	22.27	22.05	22.27	22.46	22.67	22.81	22.86	22.88
30	23.69		23.04	22.65	22.30	22.06	22.29	22.48	22.70	h22.81	22.86	22.88
31	23.71		23.04		22.39		22.29	22.49		.....		22.85

h Tape measurement.

116-63-36dddd. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,294.5 feet above msl. Highest water level 22.1 below lsd, Jan. 6, Mar. 1, Apr. 1, 1949; lowest 25.43 below lsd, Oct. 31, 1951. Records available: 1948-52. No measurement made in 1953.

116-64-3db. L. J. Hillested. Dug domestic and stock 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: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	12.09	May 8	11.20	July 8	10.03	Oct. 27	10.71
Feb. 27	12.15	27	10.38	Sept. 17	10.00	Nov. 19	10.94
Mar. 28	11.56	June 27	11.10	Oct. 7	10.38	Dec. 15	10.99
Apr. 21	11.40	July 3	9.86				

119-64-3bbbb. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,292.2 feet above msl. Highest water level 11.7 below lsd, July 26, 1948; lowest dry, Feb. 21, Mar. 21, 1950. Records available: 1948-52. No measurement made in 1953.

120-63-6bbbb. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,297.4 feet above msl. Highest water level 17.95 below lsd, Aug. 2, 1952; lowest 21.81 below lsd, Oct. 25, 1950. Records available: 1948-52. No measurement made in 1953.

120-63-31ccdd. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,296.9 feet above msl. Highest water level 18.56 below lsd, Aug. 19, 1952; lowest 23.75 below lsd, May 22, 1950. Records available: 1948-52. No measurement made in 1953.

120-64-16dddd. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 26 feet. Land-surface datum is 1,293.2 feet above msl. Highest water level 19.22 below lsd, Aug. 2, 1952; lowest dry, Apr. 20, 1950. Records available: 1948-52. No measurement made in 1953.

120-65-36dddd. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,295 feet above msl. Highest water level 1.65 below lsd, Apr. 18, 1952; lowest 10.50 below lsd, Feb. 21, 1950. Records available: 1948-50. No measurement made in 1953.

Union County

95-50-8ab. 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 11.20 below lsd, Mar. 2, 1949. Records available: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 18, 1946	2.17	Dec. 1, 1948	10.41	Nov. 22, 1950	5.87	June 18, 1952	3.77
Feb. 13, 1947	4.72	29	9.77	Dec. 13	6.28	July 8	4.16
Mar. 11	4.68	Feb. 4, 1949	10.96	Jan. 31, 1951	5.44	Aug. 8	5.73
Apr. 11	.51	Mar. 2	11.20	Mar. 1	7.60	Sept. 24	6.20
May 11	2.55	24	9.30	28	7.46	Nov. 5	7.13
June 12	1.09	May 4	4.34	Apr. 17	5.10	Dec. 11	7.72
Aug. 2	4.55	19	4.73	June 28	2.19	Jan. 21, 1953	8.23
Sept. 6	5.58	June 17	4.98	Aug. 29	1.85	30	8.36
Oct. 16	7.20	July 7	6.14	Sept. 20	1.59	Mar. 4	8.34
Dec. 2	6.45	Sept. 16	8.33	Oct. 12	1.71	Apr. 1	4.52
Jan. 6, 1948	7.14	Feb. 28, 1950	7.85	31	1.83	May 2	.90
Mar. 2	8.04	Mar. 31	9.06	Nov. 20	2.30	June 15	1.22
30	8.11	June 2	6.15	Dec. 28	3.12	26	4.06
May 7	6.59	28	4.90	Jan. 24, 1952	4.06	Sept. 10	6.14
June 18	6.75	Aug. 3	5.10	Feb. 19	3.22	Oct. 7	7.05
July 21	7.63	31	5.67	Mar. 25	1.54	21	7.50
Aug. 11	8.03	Sept. 26	6.08	Apr. 30	1.89	Nov. 4	8.21
Sept. 2	8.52	Oct. 18	5.16	May 31	3.17	Dec. 11	8.78
Oct. 13	9.61						

Walworth County

121-76-2dc. M. Anderson. Dug domestic well in alluvial sand and gravel, diameter 36 inches, depth 25 feet. Highest water level 2.65 below lsd, Jan. 3, 1952; lowest 12.23 below lsd, May 16, 1943. Records available: 1943, 1947-52. Measurement discontinued.

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, 1949-53. A correction of 1.5 feet should be added to previously published measurements.

Oct. 2, 1947	8.75	Aug. 3, 1950	6.96	Oct. 1, 1951	7.70	Aug. 11, 1952	6.80
May 23, 1949	6.58	Jan. 25, 1951	8.53	Nov. 9	7.85	Sept. 3	9.30
June 26	6.52	Feb. 14	8.31	Mar. 20, 1952	6.96	Oct. 13	6.55
Sept. 27	11.10	May 23	6.38	Apr. 28	5.23	Dec. 9	7.40
Feb. 7, 1950	10.00	July 12	6.77	June 23	6.63	June 20, 1953	3.25
June 6	5.70	Aug. 22	a8.66	July 3	6.36	Dec. 14	6.29
July 20	6.87	Sept. 12	7.15	21	a6.98		

a Pumping.

Yankton County

93-56-14aa. Mrs. J. M. 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: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	44.54	Mar. 9	43.10	June 16	43.10	Sept. 10	44.02
Feb. 6	44.77	May 7	43.61	July 7	43.30	Dec. 4	45.60

WISCONSIN

By K. F. Anderson and R. E. Audini

Scope of Water-Level Program

The observation-well program was continued in 1953 in cooperation with the University of Wisconsin. The program included 234 wells: 5 with nonrecording gages, and 30 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 21, 22, 23, 24, and 25 show the location of observation wells throughout Wisconsin. Areal studies of ground-water resources were continued in Outagamie and Portage Counties, and in the lead-zinc area of southwestern Wisconsin. A new study was begun in Fond du Lac County.

Precipitation and Temperature

The normal annual precipitation in Wisconsin is 30.33 inches. The total for the year 1953 was 29.95 inches, 0.38 inch below normal and 1.20 inches above that for 1952. Precipitation during the first half of the year was greater than normal but during the second half was both deficient and less regular than normal. Insufficient rainfall during late summer and autumn resulted in a near drought condition throughout most of the State until the end of November.

The average temperature in 1953 was 45.7° which was 2.3° above the annual average of 43.4° and 1.0° above 1952. During only two months in 1953 were average temperatures below normal. The average temperature for April was about 3° below normal and the July average was $\frac{1}{2}$° below normal. Temperature variations above normal for the other ten months ranged from 0.1° in September to 6.2° in October.

Pumpage

Total pumpage for 1953 was increased over pumpage for the previous year. Both municipal and industrial pumpage were greater in the area around Green Bay. In the Milwaukee-Waukesha area, municipal water use was only slightly greater than in 1952. Data received from seven industries, representing about 25 percent of the industrial ground-water pumpage in the Milwaukee area, indicated no increase in the consumption of ground water for manufacturing purposes in 1953. Pumpage figures from these industries for August and September showed a 24 percent increase over the same months in 1952, which was offset by decreased pumpage during some of the other months of the year. Irrigation pumpage for 1953 was considerably greater than in 1952 due to insufficient and periodic rainfall.

Interpretation of Water-Level Fluctuations

Static water levels in three artesian wells penetrating the sandstone aquifer are shown in figure 26. The fluctuations of the water level in well Bn 9 in Green Bay, Brown County, are a direct result of pumping in the area. An increase in the rate of pumping caused a decline in water level to a new low on September 4, about 11 feet below the previous record low. Changes in the rate of pumping in the Milwaukee area are reflected in the fluctuations of well Ml 36. The water level in this well reached a new low on September 9, about 9 feet below the previous all time low. Well Ke 6 in Kenosha County, is near the coalescence of the Milwaukee and Chicago cones of depression. The hydrograph of this well shows a continuing downward trend indicating that the cones of depression are growing.

Hydrographs of static water levels in four water-table wells are shown in figure 27. In each case an upward trend indicates recharge from precipitation and a downward trend indicates evapotranspiration and discharge to streams. The high water levels in the spring are dependent upon spring rains, the rate of melting and amount of accumulated snow cover, and whether the ground is frozen. It is significant that despite deficient precipitation during the summer and autumn the water-table wells showed smaller declines than in previous years and, except for well Ml 148, remained at fairly high levels. The declines in water levels in wells Lf 14 and Lf 57 in Lafayette County are due to pumping from nearby lead-zinc mines.

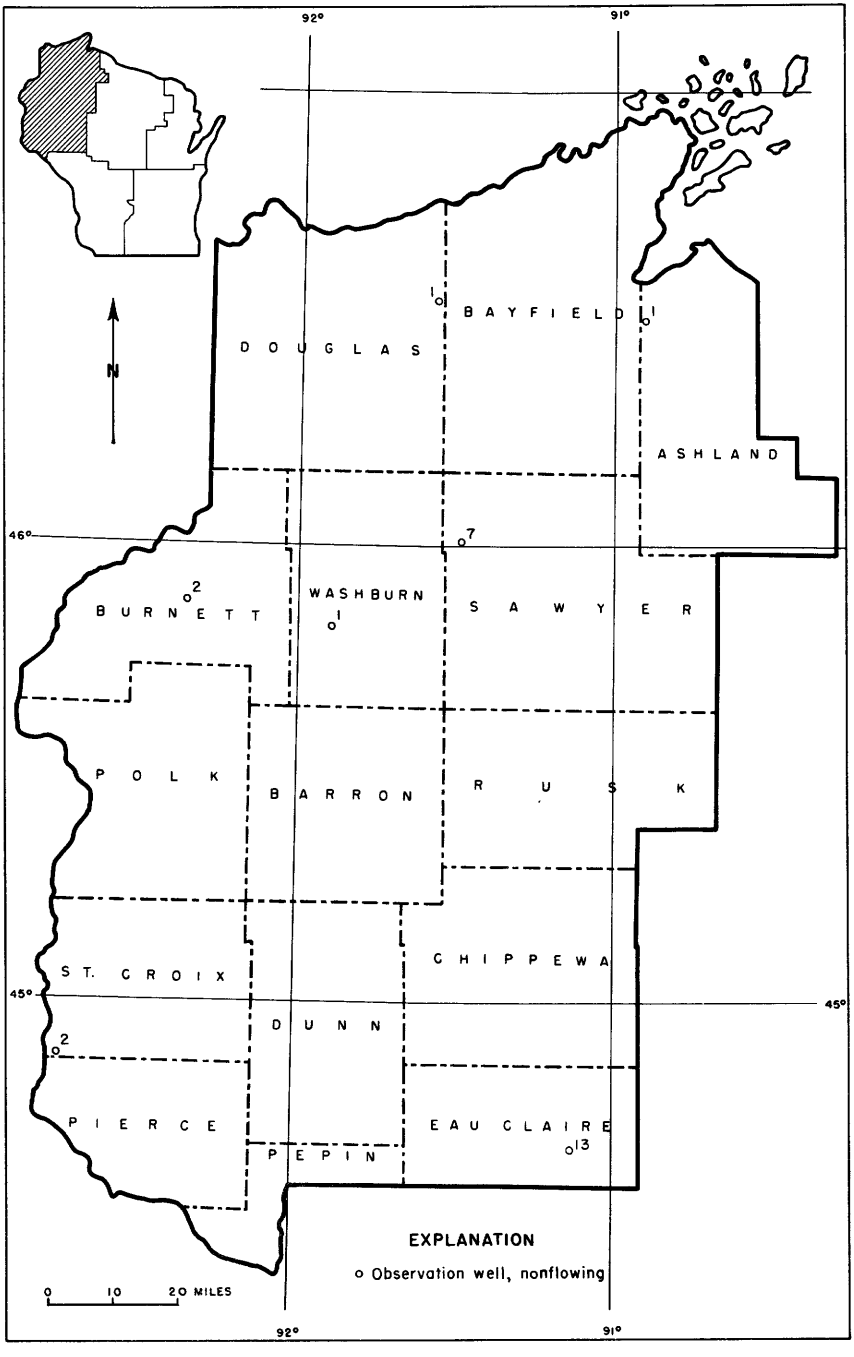


Figure 21. --Location of observation wells in northwestern Wisconsin, 1953.

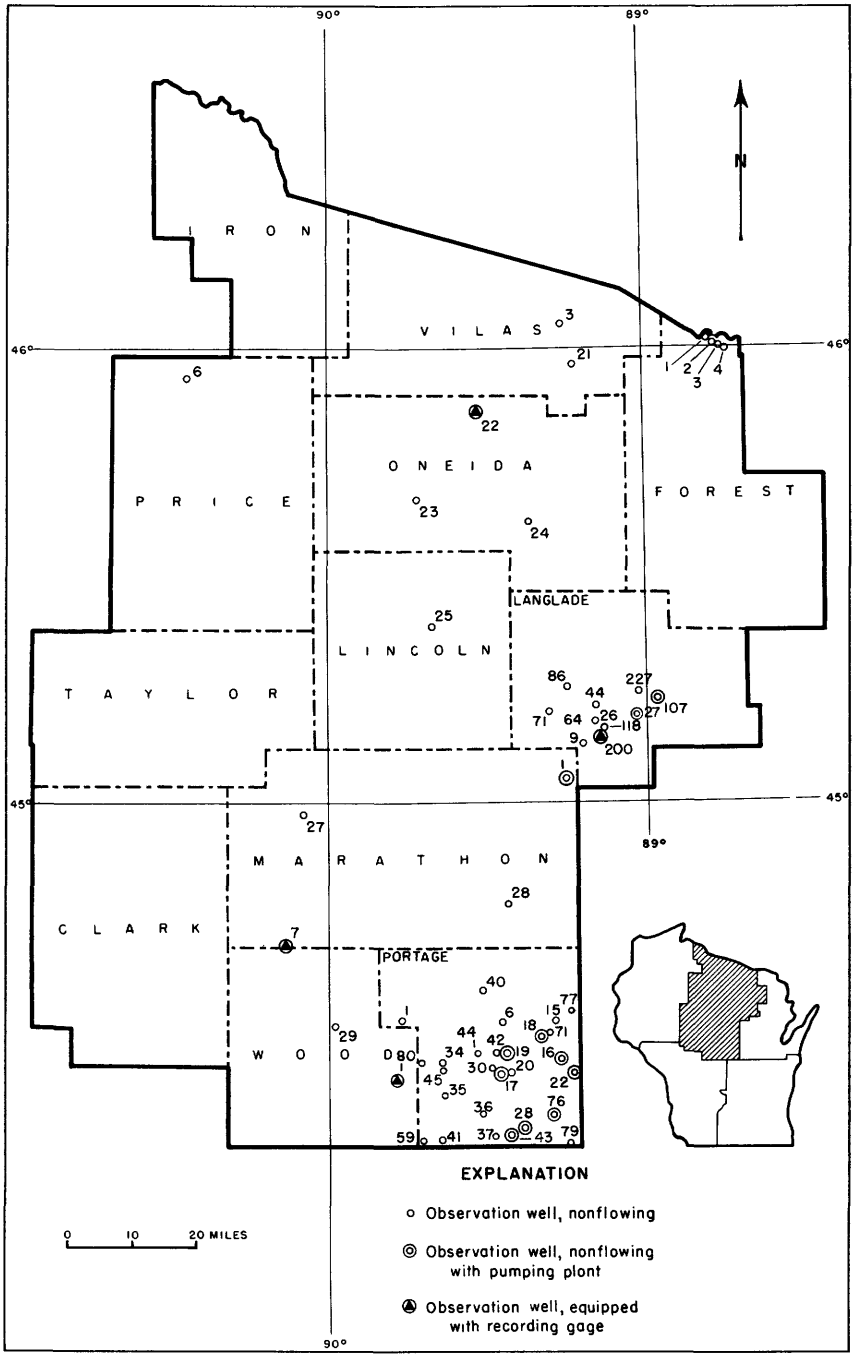


Figure 22. --Location of observation wells in north-central Wisconsin, 1953.

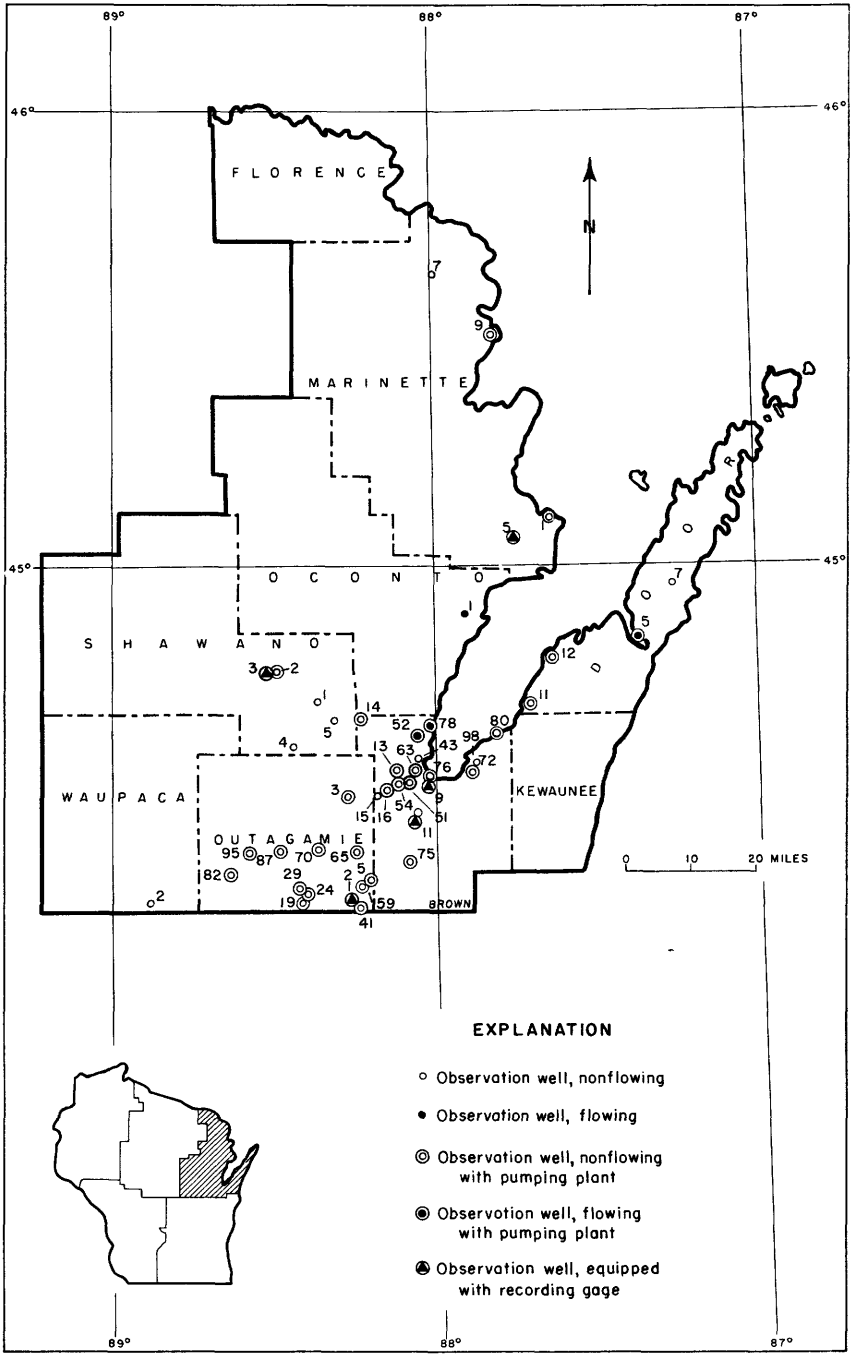


Figure 23. --Location of observation wells in northeastern Wisconsin, 1953.

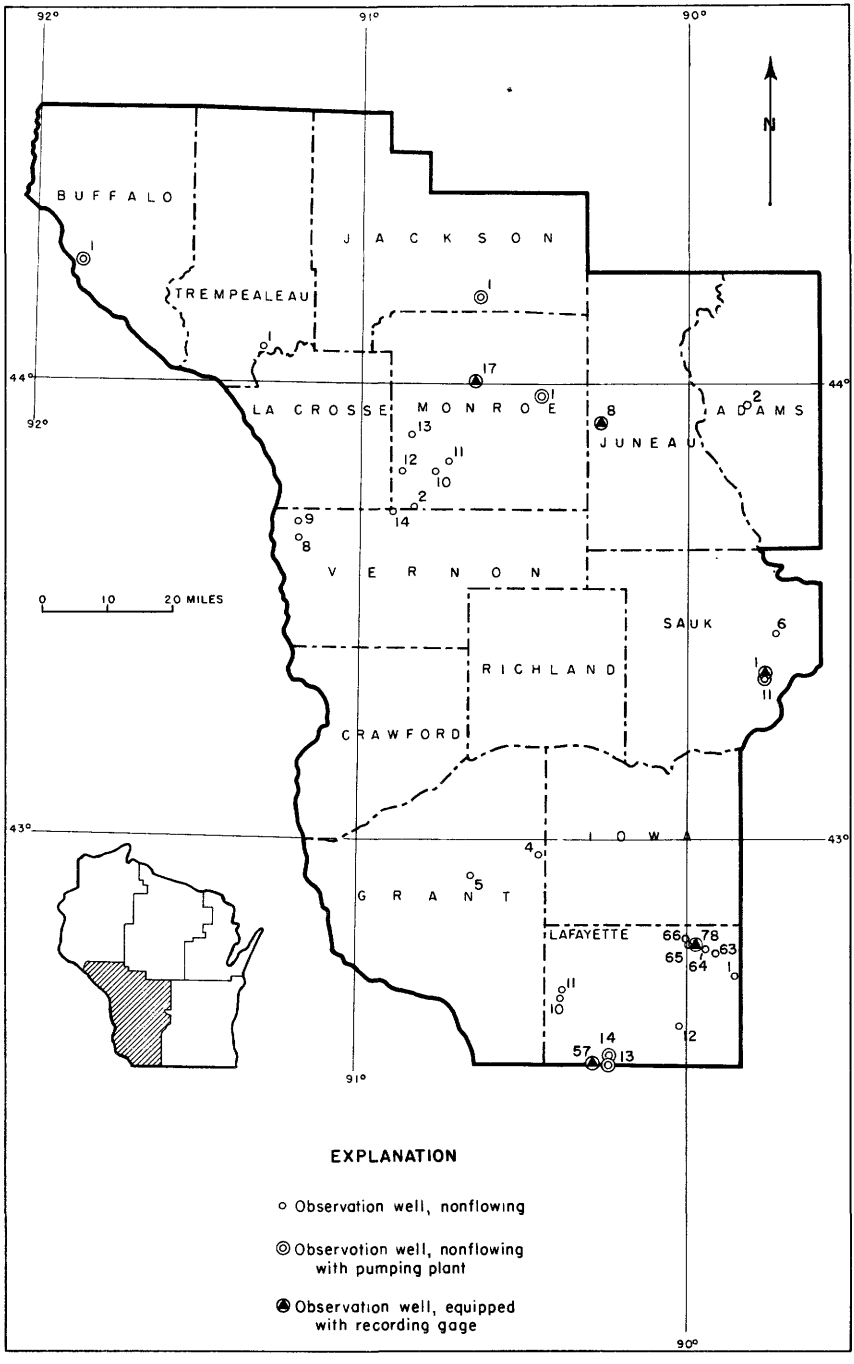


Figure 24. --Location of observation wells in southwestern Wisconsin, 1953.

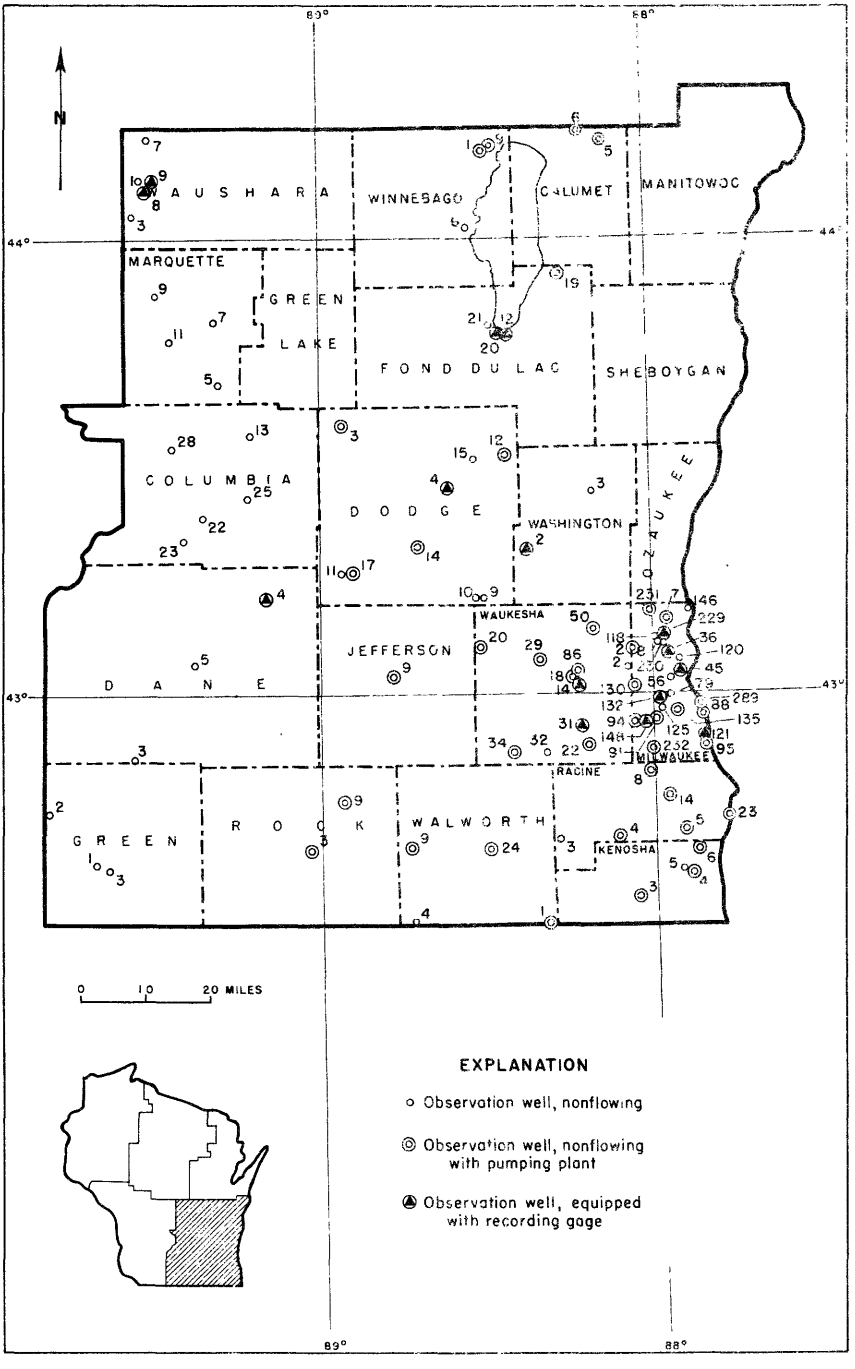


Figure 25. --Location of observation wells in southeastern Wisconsin, 1958.

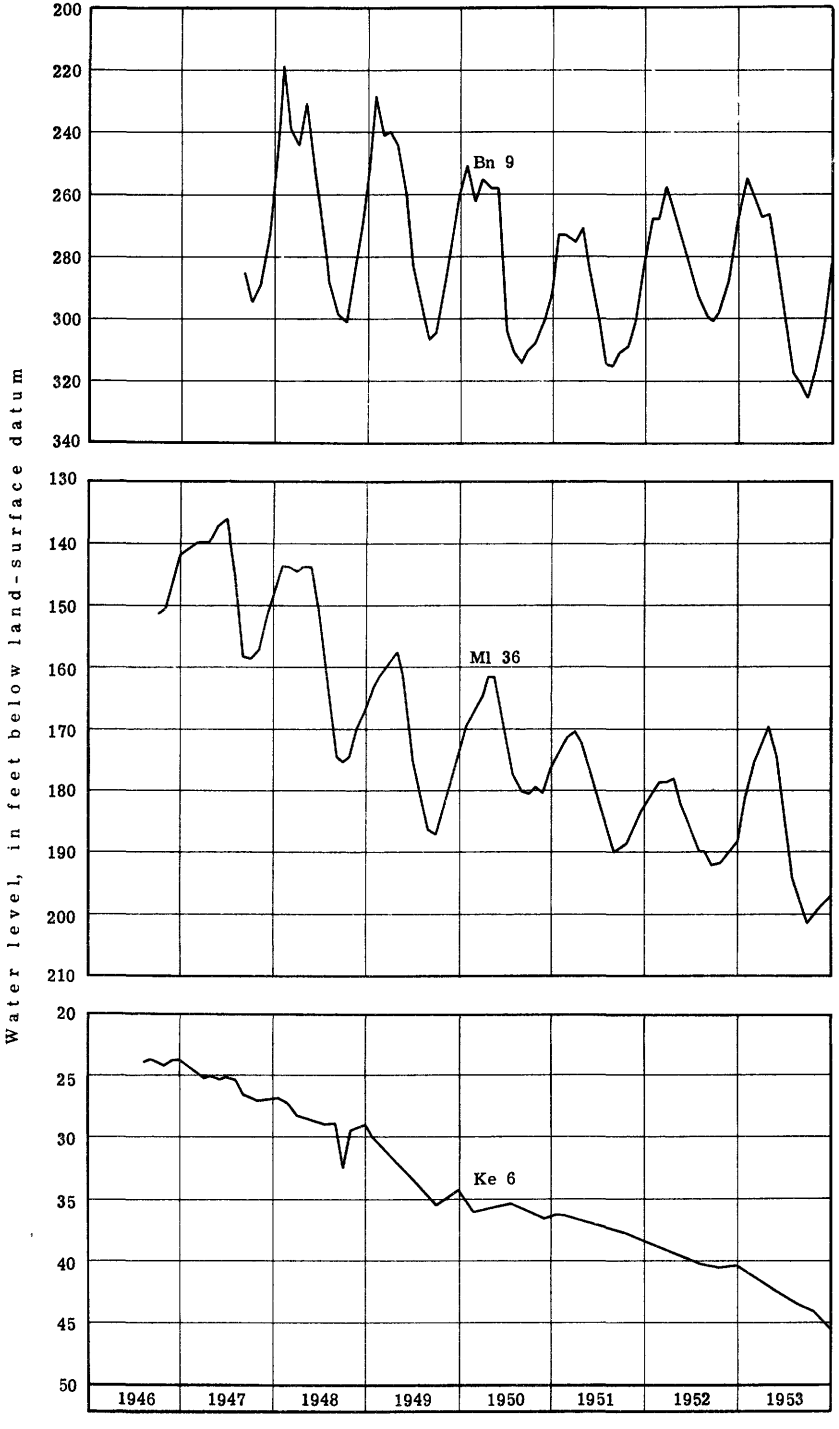


Figure 26. --Water levels in wells Bn 9, Ml 36, and Ke 6 in eastern Wisconsin.

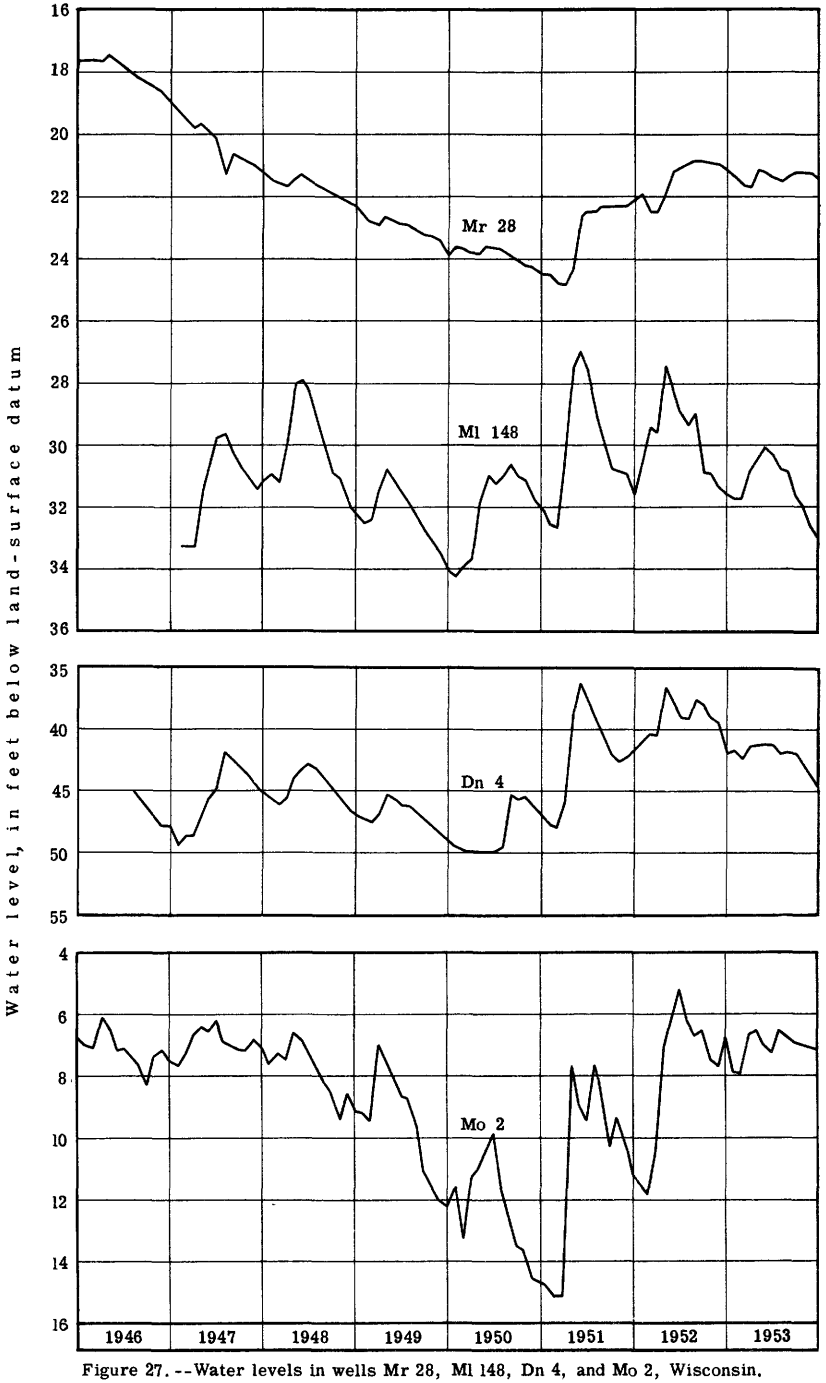


Figure 27.--Water levels in wells Mr 28, Ml 148, Dn 4, and Mo 2, Wisconsin.

Well-Numbering System

Wells are numbered consecutively within each county. The counties are designated by a 2-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 preceding the first entry in each column of each mixed table. Readings between minus (-) signs are below the plane of reference, and those between plus (+) signs are above 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 15.74 below lsd, Mar. 16, 1953. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	15.18	Apr. 6	15.25	July 6	13.66	Oct. 5	14.60
12	15.22	13	14.93	13	13.76	12	14.68
19	15.30	20	14.67	20	13.83	19	14.78
26	15.35	27	14.20	27	13.93	26	14.88
Feb. 2	15.44	May 6	14.20	Aug. 3	14.00	Nov. 2	14.97
9	15.57	11	14.00	10	14.03	9	15.07
17	15.63	19	13.80	17	14.04	17	15.27
24	15.66	25	13.80	24	14.06	23	15.26
Mar. 2	15.66	June 1	13.61	31	14.23	Dec. 1	15.37
9	15.72	8	13.57	Sept. 8	14.23	7	15.44
16	15.74	17	13.54	14	14.30	14	15.51
23	15.65	22	13.54	21	14.39	21	15.58
30	15.40	29	13.59	29	14.50	31	15.70

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, 1947-53.

Jan. 7	2.70	Apr. 13	1.95	July 20	2.79	Oct. 12	2.75
12	2.71	20	2.03	27	2.75	19	3.07
19	2.48	27	1.82	Aug. 3	2.79	26	3.08
28	2.37	May 4	1.90	10	2.05	Nov. 2	3.07
Feb. 3	2.39	12	2.28	17	2.53	9	3.08
10	2.41	25	1.72	24	2.85	16	3.04
23	2.39	June 1	1.90	Sept. 2	2.91	23	2.40
Mar. 2	2.45	15	2.15	8	3.07	Dec. 2	2.43
9	2.41	22	1.75	14	3.11	7	2.18
16	2.19	30	2.25	21	3.29	14	2.35
23	1.05	July 6	1.75	28	3.13	21	2.40
30	1.80	13	2.45	Oct. 5	3.11	28	2.39
Apr. 6	1.85						

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 326.48 below lsd, Sept. 4, 1953. Records available: 1947-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	251.60	.....	.....	.....	.....	279.45	301.95	.....	323.94	303.84	296.31	.....
2	253.58	.....	.....	.....	.....	282.82	303.93	.....	324.22	306.60	298.37	.....
3	254.63	.....	.....	.....	.....	283.67	304.76	.....	323.41	308.05	298.70	.....
4	.....	.....	.....	.....	.....	283.18	305.09	302.64	326.48	302.50	302.72	.....
5	.....	.....	.....	.....	267.53	284.20	304.48	301.55	324.67	302.91	302.08	.....

Bn 9--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	.....	.....	.....	269.48	285.28	301.67	301.15	320.54	305.16	304.00	.....
7	.....	.....	.....	.....	270.60	283.40	303.47	299.40	320.81	306.53	301.30	.....
8	.....	.....	.....	261.90	270.67	280.80	305.15	298.20	316.72	307.31	293.45	.....
9	.....	.....	.....	261.77	273.90	282.79	306.75	296.23	316.94	309.31	293.73	.....
10	.....	.....	262.60	262.65	273.23	282.45	308.11	.....	318.60	312.80	289.22	.....
11	.....	.....	.....	263.26	271.17	284.61	309.74	.....	322.14	311.20	290.16	.....
12	.....	.....	.....	262.20	273.78	288.40	309.34	.....	321.82	312.71	287.46	.....
13	.....	.....	.....	263.00	273.61	291.08	309.42	.....	316.12	313.16	289.60	.....
14	.....	.....	.....	264.00	271.98	291.89	312.17	.....	317.83	315.92	293.40	.....
15	.....	.....	.....	263.10	270.96	290.92	315.12	.....	319.55	313.67	291.98	283.00
16	.....	.....	.....	264.23	273.13	292.77	317.32	.....	318.15	315.45	.....	281.13
17	.....	.....	262.05	264.53	273.30	291.70	317.70	.....	318.72	306.86	.....	276.50
18	.....	.....	264.18	263.50	271.72	294.50	315.34	.....	317.18	302.58	.....	275.58
19	.....	.....	266.30	264.80	274.00	294.76	313.46	.....	315.62	302.63	.....	274.54
20	.....	.....	266.71	263.22	275.84	296.08	313.26	.....	309.47	302.97	.....	273.22
21	.....	.....	267.58	264.16	276.88	294.67	313.94	.....	314.40	305.90	.....	272.89
22	.....	.....	267.50	264.47	276.82	293.25	314.35	.....	312.92	304.46	.....	277.50
23	.....	.....	265.12	265.95	279.91	295.90	315.13	.....	309.90	304.61	.....	279.58
24	.....	.....	.....	266.44	280.79	297.02	315.21	.....	309.47	302.16	.....	279.11
25	.....	.....	.....	265.21	277.18	298.21	315.11	.....	309.07	296.42	.....	272.00
26	.....	.....	.....	265.03	279.77	299.38	312.64	.....	307.73	299.67	.....	276.97
27	.....	.....	.....	263.49	280.94	301.22	312.33	.....	301.67	297.47	.....	271.48
28	.....	.....	.....	265.00	282.49	300.30	310.52	.....	304.33	297.97	.....	275.20
29	.....		.....	.....	283.21	297.82	310.06	.....	304.00	295.87	.....	270.98
30	.....		.....	.....	282.90	300.37	308.40	.....	304.95	297.91	.....	276.18
31	.....		.....		281.36		.....	320.98		300.65		276.87

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 157.12 below lsd, July 16, 1953. Records available: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	138.57	136.76	.....	134.78	136.86	143.35	150.72	.....	151.67	.....	.....	148.72
2	138.73	136.92	.....	136.16	138.28	145.13	149.88	.....	151.76	.....	.....	148.36
3	138.81	137.27	.....	135.43	137.15	144.68	149.98	.....	151.97	.....	.....	148.26
4	137.88	137.25	.....	136.80	138.18	143.58	148.04	150.44	151.11	.....	.....	148.45
5	138.38	137.09	.....	135.47	138.70	144.19	146.46	150.95	151.15	.....	.....	148.85
6	138.75	137.37	.....	135.80	138.05	143.00	149.20	150.63	150.28	.....	.....	147.85
7	138.76	137.54	.....	136.75	137.38	142.71	149.21	150.86	149.82	.....	.....	148.65
8	138.74	136.41	.....	136.42	138.57	143.02	150.61	151.08	150.73	.....	.....	148.43
9	138.03	137.10	.....	136.50	139.98	144.07	151.25	150.42	151.14	.....	.....	148.09
10	138.55	136.68	136.02	136.41	138.14	141.51	151.90	149.49	151.22	.....	149.34	148.92
11	137.52	136.08	136.26	137.35	139.68	140.60	153.37	150.01	151.08	.....	149.96	148.78
12	138.12	136.09	136.40	136.40	139.25	145.00	151.42	150.17	150.96	.....	150.56	148.53
13	138.41	136.24	136.62	136.67	138.60	147.65	153.49	150.62	150.22	.....	151.12	147.00
14	138.35	136.36	136.45	137.50	139.87	148.03	155.06	150.72	150.91	.....	150.82	148.28
15	137.75	135.40	135.30	136.64	140.84	148.26	155.90	150.65	150.97	.....	149.84	148.57
16	138.55	136.31	135.58	137.20	141.37	148.50	157.12	149.83	.....	.....	150.47	149.15
17	139.18	136.50	136.14	137.60	138.82	149.68	156.10	150.51	.....	.....	151.22	149.08
18	138.14	136.58	135.75	137.95	141.00	149.93	153.50	151.34	.....	.....	151.63	148.30
19	138.43	136.57	136.20	136.63	141.97	148.59	152.52	151.07	151.23	.....	151.12	148.06
20	138.33	135.92	136.35	137.40	142.19	148.22	152.72	151.86	150.00	.....	150.59	147.03
21	138.74	137.31	136.54	137.15	140.88	148.20	152.15	152.06	150.95	.....	150.42	147.28
22	138.77	136.05	134.90	137.50	140.63	150.20	152.00	153.28	151.07	.....	149.08	147.79
23	138.43	136.95	135.35	138.10	143.15	151.00	152.00	151.86	151.24	.....	149.26	146.55
24	137.33	136.63	135.85	138.32	141.26	151.05	152.20	152.68	151.40	.....	149.07	147.12
25	137.22	136.35	137.47	137.06	140.00	151.32	153.00	152.50	.....	.....	150.50	145.56
26	137.89	136.15	137.68	136.50	141.05	152.50	151.00	153.17	150.94	.....	150.53	146.55
27	137.65	136.65	137.08	137.55	141.78	152.81	151.67	154.10	.....	.....	150.07	144.68
28	137.35	.....	136.69	138.00	142.07	151.21	150.73	153.97	.....	.....	149.62	145.22
29	137.66		135.98	138.20	142.80	150.04	151.20	155.63	.....	.....	148.41	145.91
30	137.16		136.44	138.35	141.39	149.88	151.91	154.35	.....	.....	148.72	145.00
31	137.91		135.31		140.78		.....	.....		.....		145.00

Bn 13. William Herber. SW¼NE¼ sec. 18, T. 24 N., R. 20 E. Drilled stock artesian well in St. Peter sandstone and Platteville limestone, 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 20.84 below lsd, Dec. 9, 1949. Records available: 1947-53. Jan. 28, 17.96; Apr. 9, 15.57; June 4, 14.99; Aug. 6, 17.70; Oct. 15, 20.12.

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 40.11 below lsd, Oct. 15, 1953. Records available: 1947-51, 1953. Jan. 28, 38.25; Apr. 9, 37.17; Aug. 6, 38.54; Oct. 15, 40.11.

Bn 15. Larsen Canning Co. SE¼NE¼ sec. 35, T. 24 N., R. 19 E. Drilled unused artesian well in sandstone, diameter 6 inches, reported depth 500 feet. Land-surface datum is 660 feet above msl. Highest water level 0.03 above lsd, Aug. 19, 1947; lowest 21.24 below lsd, Oct. 15, 1953. Records available: 1947-53. Jan. 28, 14.79; Apr. 9, 13.80; June 4, 13.91; Aug. 6, 18.89; Oct. 15, 21.24.

Bn 16. Frank Vandehei. Formerly Larsen Canning Co. SE¼NE¼ sec. 35, T. 24 N., R. 19 E. Drilled domestic and 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 35.40 below lsd, Oct. 15, 1953. Records available: 1947-53. Jan. 28, 26.42; Apr. 9, 25.68; June 4, 25.61; Aug. 6, 32.77; Oct. 15, 35.40.

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 51.45 below lsd, Oct. 14, 1953. Records available: 1948-53. Jan. 28, 35.26; Apr. 8, 34.33; June 3, 35.90; Aug. 6, 45.75; Oct. 14, 51.45.

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 124.68 below lsd, Oct. 15, 1953. Records available: 1948-53. Jan. 28, 111.96; Apr. 9, 119.69; June 4, 119.33; Aug. 6, 123.73; Oct. 15, 124.68.

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 1.67 below lsd, Oct. 14, 1953. Records available: 1948-53. Jan. 28, +0.2; Apr. 8, +1.1; June 3, +1.1; Aug. 6, +0.3; Oct. 14, -1.67.

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 97.06 below lsd, Oct. 9, 1952. Records available: 1948-53. Apr. 9, 94.65; June 4, 94.99.

Bn 63. Joseph Michaels. SW¼NE¼ sec. 15, T. 24 N., R. 20 E. Drilled domestic and 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 174.65 below lsd, Oct. 14, 1953. Records available: 1948-53. Jan. 28, 128.24; Apr. 8, 135.81; June 3, 149.43; Aug. 6, 167.76; Oct. 14, 174.65.

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 233.0 below lsd, Feb. 8, 1950; lowest 269.0 below lsd, Oct. 14, 1953. Records available: 1949-53. Jan. 27, 255.35; Apr. 7, 255.0; June 2, 255.5; Aug. 5, 261.5; Oct. 14, 269.0.

Bn 75. Mrs. Len Keyser. NW¼NE¼ sec. 28, T. 22 N., R. 20 E. Drilled domestic and 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 110.52 below lsd, Oct. 13, 1953. Records available: 1949-53. Jan. 27, 107.45; Apr. 7, 107.27; June 2, 107.29; Aug. 4, 107.97; Oct. 13, 110.52.

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 225.27 below lsd, Oct. 14, 1953. Records available: 1950-53. Jan. 28, 186.32; Apr. 8, 189.26; June 3, 202.62; Aug. 5, 223.49; Oct. 14, 225.27.

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 4.83 above lsd, Jan. 28, 1953. Records available: 1949-53. Jan. 28, +4.83; Apr. 8, +13.0; June 3, +11.5; Aug. 6, +12.9; Oct. 14, +11.0.

Bn 80. J. C. Pennings. Formerly Green Bay Packer Corp. 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 146.32 below lsd, Oct. 14, 1953. Records available: 1949-53. Jan. 27, 141.52; Apr. 7, 141.97; June 3, 142.07; Aug. 5, 143.02; Oct. 14, 146.32.

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 104.00 below lsd, Oct. 13, 1953. Records available: 1949-53. Jan. 27, 101.92; Apr. 7, 101.67; June 2, 102.10; Aug. 4, 102.68; Oct. 13, 104.00.

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 232.25 below lsd, Oct. 14, 1953. Records available: 1953. Mar. 17, 221.37; Apr. 7, 222.18; June 3, 224.99; Aug. 5, 227.61; Oct. 14, 232.25.

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: 1947-53. Feb. 25, 29.59; Apr. 22, 28.97; June 30, 28.78; Sept. 15, 29.19; Nov. 18. 29.40.

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. 15, 1951. Records available: 1937-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	33.5[illegible]	Apr. 8	33.30	June 27	33.25	Oct. 1	33.15
10	33.[illegible]	11	33.33	July 1	33.31	3	33.18
17	33.54	18	33.39	4	33.25	10	33.13
24	33.42	21	33.20	11	33.31	17	33.16
31	33.46	25	33.23	18	33.33	24	33.17
Feb. 7	33.45	27	33.26	25	33.30	31	33.15
14	33.37	30	33.33	Aug. 1	33.25	Nov. 1	33.15
21	33.36	May 1	32.81	8	32.97	7	33.09
28	33.33	9	33.15	15	33.15	14	33.09
Mar. 1	33.33	16	33.30	22	33.19	21	33.02
7	33.49	21	30.98	29	33.22	28	33.03
14	33.45	23	33.34	Sept. 1	33.21	Dec. 5	32.93
21	33.23	30	33.13	5	33.20	8	33.03
28	33.35	June 1	33.26	12	33.18	12	32.94
Apr. 1	33.45	6	33.11	19	33.15	19	32.99
4	33.24	13	33.26	26	33.13	26	33.03
6	33.34	20	33.23	30	33.15	31	33.03

Calumet County

Ca 5. R. A. Huebner. NE¼NW¼ sec. 17, T. 20 N., R. 20 E. Drilled domestic and 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 157.15 below lsd, Oct. 7, 1952. Records available: 1947-53. Jan. 27, 119.08; Apr. 7, 114.48; June 2, 147.47; Aug. 4, 111.15; Oct. 13, 153.13.

Ca 6. Fall River Canning Co. NW¼SW¼ sec. 2, T. 20 N., R. 19 E. Drilled industrial well in Platteville limestone, diameter 12 to 8 inches, reported depth 1,050 feet, cased to 270. Highest water level 172.36 below lsd, Apr. 7, 1953; lowest 177.49 below lsd, Oct. 13, 1953. Records available: 1952-53. Jan. 27, 172.80; Apr. 7, 172.36; June 2, 173.50; Aug. 4, 175.60; Oct. 13, 177.49.

Columbia County

Co 13. F. Stollius. 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: 1949-53. Feb. 24, 56.54; July 6, 55.10; Sept. 9, 55.93; Nov. 3, 60.47.

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 51.06 below lsd, Oct. 27, 1952; lowest 55.82 below lsd, Mar. 5, 1951. Records available: 1949-53. Feb. 24, 51.57; Apr. 27, 52.49; July 6, 51.57; Sept. 9, 51.45; Nov. 3, 52.45.

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 136.89 below lsd, Nov. 3, 1953; lowest 144.25 below lsd, Jan. 10, 1950. Records available: 1949-53. Feb. 24, 137.80; Apr. 27, 141.62; July 6, 143.26; Sept. 9, 137.12; Nov. 3, 136.89.

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 71.80 below lsd, May 20, 1952; lowest 82.28 below lsd, Dec. 9, 1949. Records available: 1949-53. Feb. 24, 74.99; Apr. 27, 74.78; Sept. 9, 71.96.

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: 1949-53. Apr. 29, 0.21; Nov. 12, 1.94.

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: 1946-53. Jan 14. 60.89; Feb. 23, 60.89; Apr. 20, 59.91; June 24, 59.84; Sept 3. 60.11; Nov. 5, 62.01.

Dn 4. Joseph N. Hanley. Sun Prairie. NW¼NE¼ sec. 34, T. 9 N., R. 11 E. Drilled unused 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: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	41.00	.....	42.03	41.20	41.09	40.95	41.70	41.79	40.78	41.92	42.88	43.80
2	40.95	.....	41.85	41.25	41.19	40.90	41.21	41.78	40.76	41.80	42.83	43.67
3	41.05	.....	41.74	41.12	40.45	40.85	41.27	41.74	40.80	41.92	43.05	43.67
4	41.10	42.02	41.74	41.21	39.04	40.74	41.23	40.23	40.88	42.00	43.16	43.88
5	41.23	41.90	41.96	41.24	40.11	.....	41.26	40.66	40.93	41.87	43.18	43.95
6	41.27	42.03	42.13	41.14	40.50	.....	41.28	41.00	41.02	42.08	43.15	43.86
7	41.30	42.04	42.14	41.20	40.78	.....	41.35	41.60	41.09	42.09	43.11	43.89
8	41.25	42.15	42.05	41.20	40.93	.....	41.39	40.97	41.13	41.98	43.11	43.93
9	41.36	42.32	42.03	41.09	40.98	40.88	41.52	40.92	41.15	41.95	43.09	43.91
10	41.28	42.22	41.98	41.22	40.85	40.84	41.54	40.84	41.07	42.19	43.09	43.88
11	41.49	41.89	41.93	41.26	40.86	40.82	41.50	40.77	40.91	42.29	43.28	44.01
12	41.45	41.97	41.91	41.23	41.04	40.70	41.46	40.72	41.20	42.30	43.27	44.01
13	41.47	42.01	40.87	41.26	41.07	40.68	41.64	40.70	41.20	42.26	43.23	43.91
14	41.43	42.04	41.31	41.29	40.92	40.73	41.60	40.64	41.10	42.26	43.15	44.02
15	41.70	.....	39.69	41.10	40.76	40.71	41.64	40.67	41.15	42.28	43.18	44.19
16	41.85	.....	40.34	41.20	40.72	40.73	41.65	40.65	41.24	42.32	43.24	44.31
17	41.64	.....	40.96	41.26	40.63	40.84	41.63	40.69	41.25	42.32	43.25	44.33
18	41.54	42.27	41.08	41.26	40.70	40.78	41.58	40.64	41.28	42.32	43.33	44.23
19	41.54	42.30	41.44	41.27	40.69	40.71	41.65	40.65	41.27	42.43	43.34	44.04
20	41.67	.....	41.47	41.27	40.61	40.88	41.72	40.64	41.42	42.46	43.25	43.97
21	41.63	.....	41.27	41.16	40.78	40.99	41.68	40.66	41.61	42.52	43.46	44.19
22	41.66	.....	41.39	41.17	40.80	41.00	41.72	40.65	41.66	42.51	43.43	44.46
23	41.61	41.39	41.23	41.24	40.87	41.06	41.84	40.61	41.59	42.49	43.29	44.45
24	41.75	41.77	40.99	41.25	40.84	40.94	41.89	40.59	41.45	42.55	43.27	44.23
25	41.81	41.78	41.38	40.97	40.64	41.02	41.84	40.61	41.49	42.57	43.51	44.22
26	41.91	41.54	41.41	41.23	40.94	41.11	41.95	40.66	41.52	42.61	43.59	44.34
27	41.77	41.89	41.25	41.23	40.99	41.13	41.83	40.65	41.57	42.60	43.80	44.33
28	41.82	42.01	41.23	41.23	40.92	41.16	41.82	40.64	41.55	42.70	43.82	44.31
29	41.97		41.31	41.21	40.69	41.20	41.82	40.62	41.73	42.77	43.70	44.54
30	41.82		41.26	40.99	40.60	41.13	41.88	40.70	41.94	42.69	43.79	44.57
31	.....		41.13		40.82		41.85	40.75		42.88		44.50

Dn 5. State of Wisconsin. In 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 84.15 below lsd, Apr. 14, 1953; lowest 105.28 below lsd, July 21, 1946. Records available: 1946-53. Feb. 9, 85.44; Apr. 14, 84.15; June 23, 86.33; Aug. 31, 89.44; Oct. 20, 87.95.

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: 1946-53. Jan. 29, 10.08; Apr. 10, 6.72; June 5, 7.38; Aug. 7, 7.19; Oct. 16, 9.60.

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 114.67 below lsd, May 17, 1948; lowest 122.57 below lsd, Sept. 18, 1953. Records available: 1947-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	117.84	118.13	117.10	117.30	118.04	118.66	120.20	119.50	121.90	120.72	120.18	119.98
2	116.83	117.15	117.43	117.07	116.88	117.93	120.45	119.11	122.21	119.95	120.05	119.98
3	117.28	117.25	117.01	117.56	117.10	118.06	120.66	118.73	122.17	119.80	121.00	119.32
4	116.52	117.86	117.05	117.31	116.89	117.94	121.08	118.47	122.13	120.27	120.50	119.73
5	116.84	117.15	117.76	116.72	117.00	117.60	120.60	118.52	121.43	119.57	120.66	119.19
6	116.88	117.63	117.41	116.98	117.54	118.07	119.11	118.50	121.43	119.74	120.65	119.37
7	117.72	117.05	118.08	117.71	116.90	117.36	119.71	118.50	121.30	119.72	120.72	119.67
8	116.85	116.97	117.22	116.95	117.01	117.41	119.01	118.42	121.32	120.41	119.78	119.03
9	116.90	117.92	117.34	117.00	117.52	118.47	119.16	118.28	121.60	119.76	120.24	119.00
10	117.45	117.00	117.92	117.16	116.79	117.77	119.51	118.47	121.64	119.70	120.36	119.47
11	116.88	116.81	117.35	116.93	117.11	117.87	120.90	118.48	122.07	119.91	121.20	119.25
12	116.81	116.77	117.86	117.33	117.82	118.02	120.53	118.50	121.74	120.39	120.54	119.04
13	117.71	117.34	117.17	117.05	117.40	118.00	120.59	119.24	121.77	120.37	120.52	119.33
14	117.06	117.35	117.50	117.62	118.18	117.83	120.15	118.80	122.14	120.78	120.70	118.95
15	117.50	117.85	116.81	116.95	118.12	117.75	120.67	119.20	121.87	120.37	119.90	119.35
16	116.90	118.43	116.85	116.76	117.32	117.82	121.17	119.20	122.38	120.58	120.22	120.07
17	117.41	118.22	117.65	117.65	117.76	118.52	120.90	119.72	122.03	120.57	120.30	119.40
18	117.13	118.58	116.77	117.32	117.20	117.75	122.00	119.45	122.57	120.53	119.80	119.31
19	117.25	117.89	116.92	117.18	117.83	117.18	121.75	119.72	122.12	120.10	120.42	119.56
20	117.22	117.68	117.59	116.92	117.35	117.25	121.18	120.04	121.53	120.80	119.70	119.05
21	116.84	117.30	116.83	117.44	117.46	117.27	121.20	120.15	121.10	120.55	119.50	119.74
22	117.72	117.71	116.52	117.21	118.50	118.31	121.07	120.28	121.50	121.34	119.80	119.20
23	116.92	117.27	117.06	118.04	118.59	118.41	121.34	120.38	121.51	120.60	119.50	119.19
24	117.52	117.20	117.55	117.29	117.38	118.77	121.39	120.45	121.14	120.66	119.25	119.74
25	116.92	117.65	116.98	117.44	117.18	118.81	121.30	120.75	121.01	119.90	120.02	119.00
26	116.88	116.95	116.95	116.68	117.19	117.90	120.15	121.30	120.08	119.92	119.85	119.58
27	117.03	117.94	117.40	117.03	117.45	118.70	119.51	121.93	119.80	120.59	119.38	118.78
28	117.68	117.13	116.90	117.90	117.47	119.50	119.43	120.92	119.72	120.22	119.96	118.90
29	117.09		117.41	117.09	117.88	120.00	119.60	121.35	119.83	120.19	119.21	119.74
30	117.74		116.90	116.94	118.27	120.08	119.81	121.03	119.95	120.45	119.33	119.17
31	117.16		116.85		117.43		119.62	121.60		120.15		119.66

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: 1946-53. Feb. 9, 9.49; Apr. 14, 7.77; June 9, 8.69; Aug. 11, 7.65; Oct. 19, 12.60.

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: 1946-53. Feb. 9, 9.28; Apr. 14, 8.47; June 9, 8.60; Aug. 11, 9.13; Oct. 19, 10.06.

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: 1946-53. Jan. 20, 33.76; Mar. 17, 26.28; May 25, 18.49; July 20, 28.42; Sept. 21, 26.45.

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: 1946-53. Feb. 9, 53.65; Apr. 14, 55.61; June 9, 58.02; Aug. 11, 62.07; Oct. 19, 67.95.

Dg 14. Chicago & North Western Railway. 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: 1946-53. Feb. 9, 41.23; Apr. 14, 39.35; June 9, 39.49; Aug. 11, 41.25; Oct. 19, 47.51.

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: 1946-53. Feb. 9, 18.39; Apr. 14, 17.01; June 9, 16.82; Aug. 11, 17.64; Oct. 19, 19.30.

Dg 17. F. C. Etscheid. SE¼SW¼ sec. 1, T. 9 N., R. 13 E. Dug domestic and 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: 1948-53. Jan. 20, 67.72; Mar. 17, 48.66; May 25, 12.97; July 20, 60.52; Sept. 21, 45.94.

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: 1946-53. Jan. 27, 8.21; Apr. 8, 1.29; June 3, 2.98; Aug. 5, 10.01; Oct. 14, 8.98.

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: 1946-53. Jan. 27, 40.52; Apr. 8, 35.62; June 3, 46.38; Aug. 5, 46.38; Oct. 14, 46.37.

Dr 11. Charles Telesphore. 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 42.16 below lsd, Sept. 20, 1950; lowest 51.95 below lsd, Dec. 3, 1952. Records available: 1950-53. Jan. 27, 48.11; Apr. 8, 48.98; June 3, 49.11; Aug. 5, 49.91; Oct. 14, 50.29.

Dr 12. William Destree. SW¼NE¼ sec. 19, T. 27 N., R. 24 E. Drilled domestic and 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 49.68 below lsd, Feb. 6, 1951. Records available: 1950-53. Jan. 27, 39.02; Apr. 7, 32.32; June 3, 18.52; Aug. 5, 35.11; Oct. 14, 44.18.

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, 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	26.38	Apr. 3	25.51	July 3	26.45	Oct. 2	26.03
9	26.40	10	25.73	10	26.43	9	26.01
16	26.40	17	26.57	17	26.40	16	26.01
23	26.41	24	26.62	24	26.36	23	26.00
30	26.42	May 1	26.36	31	26.30	30	25.98
Feb. 6	26.46	8	26.60	Aug. 7	26.22	Nov. 6	25.97
13	26.46	15	26.66	14	26.16	13	25.97
20	26.48	22	26.52	21	26.13	20	25.95
27	26.49	29	26.61	28	26.11	27	25.92
Mar. 6	26.52	June 5	26.62	Sept. 4	26.09	Dec. 4	25.88
13	26.35	12	26.59	11	26.08	11	25.92
20	26.46	19	26.58	18	26.06	18	25.94
27	26.59	26	26.52	25	26.04	25	25.92

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 11.91 below lsd, June 5, 1952; lowest 14.98 below lsd, Nov. 29, 1951. Records available: 1951-53. Feb. 25, 14.85; Apr. 22, 12.80; July 1, 13.55; Sept. 16, 12.98; Nov. 19, 13.99.

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 54.49 below lsd, Dec. 7, 1953; lowest 59.37 below lsd, Oct. 3, 1953. Records available: 1953. Recording gage installed Oct. 2, 1953.

Lowest water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 2	59.13	Oct. 25	57.59	Nov. 17	57.83	Dec. 10	56.34
3	59.37	26	58.29	18	58.10	11	55.53
4	57.96	27	58.60	19	58.36	12	55.43
5	58.43	28	58.43	20	58.16	13	55.10
6	58.83	29	58.67	21	58.21	14	55.02
7	58.87	30	58.57	22	56.78	15	56.54
8	58.90	31	58.80	23	56.49	16	57.10
9	58.73	Nov. 1	57.30	24	56.80	17	57.30
10	58.90	2	58.03	25	55.41	18	57.53
11	57.34	3	58.50	26	55.10	19	55.80
12	58.28	4	58.43	27	56.25	20	55.36
13	58.58	5	58.72	28	54.91	21	56.75
14	58.35	6	58.45	29	54.57	22	57.24
15	58.58	7	58.45	30	56.77	23	57.20
16	58.59	8	56.80	Dec. 1	57.22	24	57.55
17	58.79	9	57.86	2	56.94	25	56.04
18	57.40	10	58.06	3	57.12	26	55.29
19	58.30	11	58.03	4	55.55	27	55.20
20	58.64	12	58.23	5	55.48	28	56.46
21	58.74	13	58.05	6	55.00	29	56.95
22	58.91	14	58.31	7	54.87	30	57.01
23	58.72	15	56.87	8	54.87	31	57.20
24	58.97	16	57.79	9	54.85		

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 142.75 below lsd, Apr. 8, 1952. Records available: 1948-53. Jan. 27, 138.96; Apr. 7, 138.95; June 2, 139.41; Aug. 4, 139.54; Oct. 13, 140.60.

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 81.37 below lsd, July 12, 1950. Records available: 1950-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	63.50	63.35	64.05	63.49	63.86	64.83	67.36	69.37	74.15	68.13	67.06	65.52
2	63.06	63.68	63.55	63.50	63.88	64.63	69.26	69.74	74.58	67.77	66.16	65.11
3	63.13	63.65	63.50	63.52	63.78	64.86	69.32	69.25	75.36	67.90	68.00	64.96
4	63.06	63.60	63.75	63.72	63.66	65.46	68.92	69.08	75.49	67.86	68.15	65.95
5	63.37	63.40	63.83	63.72	63.50	65.38	67.80	68.71	75.06	68.57	67.85	65.95
6	63.31	64.25	64.00	63.27	63.73	65.38	66.85	68.60	74.08	68.60	67.53	64.85
7	63.29	64.10	63.80	63.43	63.67	64.79	66.79	67.96	73.17	68.30	66.94	64.84
8	63.38	63.90	63.74	63.44	63.82	64.83	66.41	68.11	71.97	67.72	66.36	64.84
9	63.45	63.90	63.62	63.25	63.84	65.35	67.10	67.80	71.78	67.45	66.12	64.70
10	63.15	63.70	63.56	63.95	63.78	65.25	67.40	68.58	71.75	67.20	66.93	64.72
11	63.52	63.55	63.58	63.85	64.01	65.08	67.78	68.40	71.32	66.97	67.40	65.32
12	63.34	63.83	63.50	63.70	64.15	65.25	67.70	68.00	71.33	66.94	67.00	64.91
13	63.62	63.83	63.66	63.33	64.16	65.30	67.12	68.03	70.62	66.25	66.33	64.62
14	63.44	63.53	63.56	63.29	63.92	65.32	67.83	68.06	69.38	65.91	66.12	64.76
15	63.68	63.51	63.60	63.50	63.74	65.35	68.08	68.10	69.31	69.15	65.98	64.60
16	63.76	63.55	63.64	64.03	63.74	66.17	69.00	67.88	69.65	69.32	66.24	64.59
17	63.36	63.52	63.55	63.97	63.72	66.20	69.65	67.43	69.32	69.26	65.92	64.65
18	63.34	63.48	63.40	63.85	63.87	65.94	69.01	68.43	69.94	68.95	65.98	64.67
19	63.33	63.55	63.63	63.48	63.88	65.71	68.65	68.50	69.36	68.75	65.80	64.59
20	63.30	63.67	63.56	63.28	63.91	66.35	68.60	68.35	69.26	68.64	65.68	65.77

FL 20--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	63.59	63.57	63.30	63.23	64.30	66.45	69.04	68.27	69.08	68.73	65.76	65.74
22	63.44	63.57	63.48	63.86	64.30	66.20	69.00	68.23	68.86	68.61	65.57	65.78
23	63.32	63.93	63.65	64.02	64.16	66.37	69.28	68.67	68.95	68.91	64.83	65.76
24	63.48	63.76	63.51	64.02	63.78	66.02	68.93	69.82	68.83	68.67	65.42	64.84
25	63.39	63.70	63.70	63.53	63.60	66.60	68.49	70.87	68.88	68.47	65.55	64.79
26	63.23	63.87	63.67	63.63	64.15	66.50	69.10	71.34	68.63	67.75	65.46	64.66
27	63.24	64.20	63.64	63.58	64.11	66.38	69.15	71.90	68.28	67.55	64.85	64.53
28	63.33	64.08	63.70	63.47	63.97	65.68	69.47	72.76	67.67	67.80	64.73	64.21
29	63.30		63.62	63.43	64.46	65.63	69.48	73.62	68.00	67.51	64.40	64.47
30	63.35		63.46	63.50	64.78	67.25	69.40	73.84	68.55	67.18	65.70	64.47
31	63.35		63.33		64.86		69.21	73.50		67.12		64.21

FL 21. Wisconsin Central Railroad. 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 34.24 below lsd, Feb. 5, 1951. Records available: 1950-53. Jan. 27, 29.20; Apr. 7, 28.22; June 2, 27.28; Aug. 4, 30.71; Oct. 13, 32.37.

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 5.04 below lsd, July 6, 1953; lowest 8.10 below lsd, June 13, 1949. Records available: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	7.31	May 28	7.08	July 30	7.00	Oct. 30	7.78
Feb. 25	6.83	June 29	7.38	Sept. 1	7.52	Nov. 30	7.59
Mar. 31	6.94	July 6	5.04	Oct. 1	7.58	Dec. 31	7.30
Apr. 29	6.84						

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 8.32 below lsd, July 6, 1953; lowest 11.88 below lsd, May 16, 1949. Records available: 1948-53.

Jan. 28	10.87	May 28	10.57	July 30	10.31	Oct. 30	11.29
Feb. 25	10.51	June 29	10.69	Sept. 1	10.98	Nov. 30	11.13
Mar. 31	10.54	July 6	8.32	Oct. 1	11.03	Dec. 31	10.92
Apr. 29	10.25						

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 4.66 below lsd, July 6, 1953; lowest 9.13 below lsd, Oct. 29, 1948. Records available: 1948-53.

Jan. 28	7.49	May 28	7.15	July 30	6.80	Oct. 30	7.87
Feb. 25	7.16	June 29	7.21	Sept. 1	7.52	Nov. 30	7.73
Mar. 31	7.17	July 6	4.66	Oct. 1	7.58	Dec. 31	7.54
Apr. 29	6.77						

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 6.05 below lsd, July 6, 1953; lowest 8.87 below lsd, Oct. 31, 1952. Records available: 1951-53.

Jan. 28	8.22	May 28	8.01	July 30	7.73	Oct. 30	8.64
Feb. 25	7.85	June 29	8.20	Sept. 1	8.35	Nov. 30	8.61
Mar. 31	8.07	July 6	6.05	Oct. 1	8.39	Dec. 31	8.26
Apr. 29	7.69						

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: 1946-53. Jan. 14, 62.44; Feb. 24, 61.34; Apr. 24, 61.30; June 25, 61.74; Sept. 3, 62.20; Nov. 6, 63.47.

Gr 5. Clarence Gratz. 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: 1946-53. Jan. 14, 14.97; Feb. 24, 14.39; Apr. 24, 13.54; June 25, 13.86; Sept. 3, 15.09; Nov. 6, 15.04.

Green County

Gn 1. Charles Segner. NE¼NE¼ sec. 21, T. 2 N., R. 7 E. Drilled unused well in Platteville limestone, 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: 1946-53. Jan. 14, 61.29; Feb. 23, 57.98; Apr. 20, 58.72; June 24, 60.10; Sept. 3, 61.65; Nov. 5, 62.95.

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: 1946-53. Jan. 14, 123.91; Feb. 23, 126.38; Apr. 20, 128.47; June 24, 126.44; Sept. 3, 126.57; Nov. 5, 127.47.

Gn 3. John Waelti, Jr. SE¼SW¼ sec. 23, T. 2 N., R. 7 E. Drilled unused limestone well, diameter 6 inches, depth 103 feet. Highest water level 27.85 below lsd, Mar. 26, 1952; lowest 34.53 below lsd, Feb. 13, 1951. Records available: 1947-53. Jan. 14, 32.41; Feb. 23, 30.69; Apr. 20, 31.26; June 24, 31.96; Sept. 3, 32.61; Nov. 5, 33.46.

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 13.60 below lsd, Apr. 23, 1953; lowest 18.51 below lsd, Oct. 5, 1950. Records available: 1947-53. Feb. 25, 15.35; Apr. 23, 13.60; July 2, 13.78; Sept. 17, 13.83; Nov. 19, 14.55.

Jefferson County

Je 9. Chicago & North Western Railway. 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 34.60 below lsd, Sept. 19, 1949. Records available: 1946-53. Feb. 16, 20.24; Mar. 30, 17.76; June 1, 26.56; Sept. 14, 34.52; Nov. 24, 28.35.

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 4.23 below lsd, June 30, 1952; lowest 9.80 below lsd, Mar. 3, 1950. Records available: 1949-53. Recording gage removed Sept. 17, 1953.

Lowest water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	7.32	Feb. 18	7.85	Apr. 6	7.05	June 2	5.76
2	7.33	19	7.88	7	7.03	July 2	6.20
3	7.34	20	7.88	8	7.04	3	6.21
4	7.35	21	7.88	9	7.03	4	6.21
13	7.38	22	7.88	May 26	5.76	5	6.22
14	7.39	23	7.88	27	5.81	6	6.23
15	7.39	24	7.89	28	5.81	7	6.28
16	7.41	25	7.90	29	5.81	8	6.30
17	7.41	Apr. 3	7.13	30	5.81	9	6.35
18	7.37	4	7.08	31	5.81	Sept. 17	h6.76
19	7.38	5	7.07	June 1	5.83	Nov. 20	h6.05

h Tape measurement.

Lf 64--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 24, 1952	1.59	Oct. 3, 1952	2.48	Mar. 12, 1953	0.81	Aug. 18, 1953	2.44
May 3	2.40	10	2.42	19	.93	25	2.75
10	2.05	17	2.36	31	.71	Sept. 1	2.95
17	2.28	24	2.30	Apr. 10	.70	8	2.86
24	1.48	Nov. 3	2.24	18	1.14	15	2.86
31	1.90	10	2.23	25	.79	22	2.86
June 7	2.33	15	2.22	May 2	1.01	29	2.85
15	.86	Dec. 1	1.79	8	1.38	Oct. 6	2.83
July 12	2.60	6	1.70	16	2.18	14	2.83
19	.77	10	1.39	23	1.78	21	2.78
26	1.97	Jan. 5, 1953	2.29	29	2.27	28	2.68
Aug. 2	2.50	10	2.40	June 4	2.60	Nov. 4	2.72
9	1.80	17	.80	22	2.77	11	2.65
15	2.24	24	1.34	30	2.73	18	2.60
23	2.22	31	2.12	July 4	2.79	25	2.45
29	.67	Feb. 7	.36	11	2.05	Dec. 2	1.47
Sept. 6	2.12	13	.73	18	1.91	10	1.80
13	2.40	19	.75	27	.70	18	1.42
20	2.44	25	1.09	Aug. 4	.43	24	1.08
27	2.46	Mar. 1	.47	11	1.98	31	1.31

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 5.02 below lsd, Sept. 1, 1953. Records available: 1952-53.

Apr. 24, 1952	-0.52	Oct. 3, 1952	-4.03	Mar. 2, 1953	-0.03	Aug. 18, 1953	-4.28
May 3	1.42	10	4.00	19	.25	25	4.67
10	1.30	17	3.93	31	.09	Sept. 1	5.02
17	2.10	24	3.89	Apr. 10	.14	8	4.87
24	1.54	Nov. 3	3.89	18	.38	15	4.84
31	2.34	10	3.88	25	.14	22	4.96
June 7	3.09	15	3.85	May 2	.28	29	4.95
15	1.27	Dec. 1	2.49	8	.56	Oct. 6	4.58
July 12	-3.35	6	2.60	16	1.14	14	4.59
19	+.40	10	2.43	23	.91	21	4.50
26	-1.52	Jan. 5, 1953	2.51	29	1.77	28	4.39
Aug. 2	2.47	10	2.82	June 4	2.97	Nov. 4	4.43
9	1.29	17	2.37	22	4.06	11	4.37
15	2.77	24	2.64	30	4.14	18	4.36
23	3.00	31	-2.16	July 4	4.39	25	3.20
29	3.28	Feb. 7	+.04	11	4.00	Dec. 2	3.18
Sept. 6	3.39	13	-.14	18	4.07	10	3.99
13	3.88	19	-.39	27	3.39	18	3.85
20	3.98	25	-.46	Aug. 4	3.57	24	3.99
27	4.13	Mar. 1	+.22	11	3.94	31	3.02

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 6.38 below lsd, Sept. 29, 1953. Records available: 1952-53.

Apr. 24, 1952	4.65	Oct. 3, 1952	5.92	Mar. 12, 1953	4.86	Aug. 18, 1953	6.04
May 3	5.23	10	5.93	19	5.10	25	6.13
10	5.28	17	5.92	31	5.27	Sept. 1	6.29
17	5.40	24	5.94	Apr. 10	4.34	8	6.29
24	5.22	Nov 3	5.96	18	4.78	15	6.33
31	5.40	10	5.95	25	5.19	22	6.36
June 7	5.58	15	5.95	May 2	5.25	29	6.38
15	4.59	Dec. 1	5.67	8	5.23	Oct. 6	6.14
July 12	5.71	6	5.80	16	5.58	14	6.15
19	1.55	10	5.74	23	5.59	21	6.12
26	5.20	Jan. 5, 1953	5.79	29	5.77	28	6.09
Aug. 2	5.64	10	5.85	June 4	5.85	Nov. 4	6.10
9	5.40	17	5.00	22	5.96	11	6.10
15	5.63	24	5.73	30	6.00	18	6.05
23	5.70	31	5.86	July 4	6.04	25	6.00
29	5.39	Feb. 7	5.13	11	5.93	Dec. 2	5.10
Sept. 6	5.78	13	4.97	18	5.93	10	5.97
13	5.87	19	5.03	27	5.68	18	5.99
20	5.88	25	5.14	Aug. 4	5.67	24	5.97
27	5.93	Mar. 1	4.29	11	5.90	31	5.08

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: 1946-53. Jan. 14, 62.44; Feb. 24, 61.34; Apr. 24, 61.50; June 25, 61.74; Sept. 3, 62.20; Nov. 6, 63.47.

Gr 5. Clarence Gratz. 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: 1946-53. Jan. 14, 14.97; Feb. 24, 14.39; Apr. 24, 13.54; June 25, 13.86; Sept. 3, 15.09; Nov. 6, 15.04.

Green County

Gn 1. Charles Segner. NE¼NE¼ sec. 21, T. 2 N., R. 7 E. Drilled unused well in Platteville limestone, 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: 1946-53. Jan. 14, 61.29; Feb. 23, 57.98; Apr. 20, 58.72; June 24, 60.10; Sept. 3, 61.65; Nov. 5, 62.95.

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: 1946-53. Jan. 14, 123.91; Feb. 23, 126.38; Apr. 20, 128.47; June 24, 126.44; Sept. 3, 126.57; Nov. 5, 127.47.

Gn 3. John Waelti, Jr. SE¼SW¼ sec. 23, T. 2 N., R. 7 E. Drilled unused limestone well, diameter 6 inches, depth 103 feet. Highest water level 27.85 below lsd, Mar. 26, 1952; lowest 34.53 below lsd, Feb. 13, 1951. Records available: 1947-53. Jan. 14, 32.41; Feb. 23, 30.69; Apr. 20, 31.26; June 24, 31.96; Sept. 3, 32.61; Nov. 5, 33.46.

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 13.60 below lsd, Apr. 23, 1953; lowest 18.51 below lsd, Oct. 5, 1950. Records available: 1947-53. Feb. 25, 15.35; Apr. 23, 13.60; July 2, 13.78; Sept. 17, 13.83; Nov. 19, 14.55.

Jefferson County

Je 9. Chicago & North Western Railway. 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 34.60 below lsd, Sept. 19, 1949. Records available: 1946-53. Feb. 16, 20.24; Mar. 30, 17.76; June 1, 26.56; Sept. 14, 34.52; Nov. 24, 28.35.

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 4.23 below lsd, June 30, 1952; lowest 9.80 below lsd, Mar. 3, 1950. Records available: 1949-53. Recording gage removed Sept. 17, 1953.

Lowest water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	7.32	Feb. 18	7.85	Apr. 6	7.05	June 2	5.76
2	7.33	19	7.88	7	7.03	July 2	6.20
3	7.34	20	7.88	8	7.04	3	6.21
4	7.35	21	7.88	9	7.03	4	6.21
13	7.38	22	7.88	May 26	5.76	5	6.22
14	7.39	23	7.88	27	5.81	6	6.23
15	7.39	24	7.89	28	5.81	7	6.28
16	7.41	25	7.90	29	5.81	8	6.30
17	7.41	Apr. 3	7.13	30	5.81	9	6.35
18	7.37	4	7.08	31	5.81	Sept. 17	h6.76
19	7.38	5	7.07	June 1	5.83	Nov. 20	h6.05

h Tape measurement.

Kenosha County

Ke 3. Bristol Sales and 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 114.25 below lsd, Jan. 3, 1949. Records available: 1946-53. Feb. 11, 109.58; Apr. 16, 109.50; June 10, 109.90; Aug. 12, 110.70; Oct. 22, 111.40.

Ke 4. Sunset Ridge Memorial Park. NW¼SE¼ sec. 27, T. 2 N., R. 22 E. Drilled domestic and irrigation water-table well, 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 80.61 below lsd, Oct. 22, 1953. Records available: 1946-53. Feb. 10, 77.72; Apr. 16, 77.27; June 10, 77.84; Aug. 12, 79.88; Oct. 22, 80.61.

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: 1946-53. Feb. 10, 3.84; Apr. 16, 3.20; June 10, 4.06; Aug. 12, 3.98; Oct. 22, 6.13.

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 44.12 below lsd, Oct. 22, 1953. Records available: 1946-53. Feb. 10, 41.28; Apr. 16, 42.05; June 10, 42.90; Aug. 12, 43.62; Oct. 22, 44.12.

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 23.0 below lsd, Nov. 4, 1947. Records available: 1946-53. Jan. 14, 22.23; Feb. 23, 20.87; Apr. 20, 20.68; June 24, 21.36; Sept. 3, 22.18; Nov. 5, 22.70.

Lf 10. Wallace Wedig. NE¼NE¼ sec. 9, T. 2 N., R. 1 E. Drilled unused water-table well in limestone, diameter 6 inches. Highest water level 15.20 below lsd, June 16, 1947; lowest 26.46 below lsd, Feb. 13, 1951. Records available: 1947-53. Jan. 14, 23.06; Feb. 23, 22.51; Apr. 24, 22.47; June 24, 23.10; Nov. 5, 25.19. Measurement discontinued.

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 34.20 below lsd, Feb. 13, 1951. Records available: 1947-53. Jan. 14, 29.66; Feb. 23, 30.09; Apr. 24, 30.87; June 24, 30.61; Sept. 3, 31.58; Nov. 5, 32.76.

Lf 12. Pearl Ogelthre and others. SE¼SW¼ sec. 33, T. 2 N., R. 4 E. Drilled unused water-table well in Platteville limestone and St. Peter sandstone, diameter 6 inches. Highest water level 20.17 below lsd, June 16, 1947; lowest 38.20 below lsd, Dec. 13, 1949. Records available: 1947-53. Jan. 14, 32.74; Feb. 23, 28.22; Apr. 20, 30.68; June 24, 34.13; Sept. 3, 37.13; Nov. 5, 37.80.

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 18.05 below lsd, Nov. 5, 1953. Records available: 1951-53. Jan. 14, 16.77; Feb. 24, 13.62; Apr. 24, 12.41; June 24, 13.44; Sept. 3, 15.70; Nov. 5, 18.05.

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 171.46 below lsd, Nov. 5, 1953. Records available: 1951-53. Jan. 14, 157.57; Apr. 24, 164.58; June 24, 169.46; Sept. 3, 168.67; Nov. 5, 171.46.

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 82.80 below lsd, Dec. 31, 1953. Records available: 1952-53. Recording gage installed Jan. 20, 1953. Apr. 29, 1952, 63.67; May 13, 66.45; June 2, 67.79; June 16, 67.64; Aug. 13, 70.17; Oct, 16, 72.55.

Lf 57--Continued.

Daily lowest water level from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	76.01	76.60	77.19	77.76	78.53	78.94	79.62	80.23	80.89	81.46	81.98
2	.....	75.97	76.52	77.20	77.87	78.44	79.10	79.68	80.20	80.81	81.46	81.99
3	.....	75.98	76.51	77.05	77.84	78.40	79.12	79.66	80.30	80.90	81.60	82.23
4	.....	75.98	76.57	77.19	77.83	78.45	79.04	79.70	80.33	80.94	81.58	82.26
5	.....	75.97	76.68	77.19	77.79	78.52	79.09	79.76	80.34	80.88	81.58	82.24
6	.....	76.08	76.75	77.16	77.82	78.53	79.15	79.70	80.39	80.99	81.53	82.24
7	.....	76.08	76.73	77.21	77.85	78.54	79.14	79.74	80.42	80.98	81.53	82.18
8	.....	76.18	76.73	77.21	77.83	78.60	79.16	79.79	80.41	80.93	81.55	82.17
9	.....	76.23	76.69	77.19	77.88	78.70	79.21	79.79	80.40	80.94	81.59	82.19
10	.....	76.12	76.68	77.34	77.86	78.61	79.22	79.81	80.34	80.94	81.58	82.20
11	.....	76.09	76.68	77.35	77.95	78.63	79.19	79.80	80.34	81.08	81.68	82.27
12	.....	76.15	76.75	77.31	78.08	78.58	79.18	79.88	80.50	81.12	81.68	82.24
13	.....	76.15	76.78	77.35	78.10	78.60	79.21	79.87	80.50	81.10	81.64	82.26
14	.....	76.24	76.72	77.34	78.00	78.64	79.27	79.92	80.46	81.07	81.63	.....
15	.....	76.25	76.86	77.40	77.98	78.62	79.30	79.94	80.50	81.07	81.66	.....
16	.....	76.36	76.86	77.48	77.98	78.72	79.31	79.95	80.53	81.09	81.71	.....
17	.....	76.35	76.75	77.46	78.03	78.75	79.31	79.98	80.52	81.11	81.81	.....
18	.....	76.33	76.76	77.45	78.13	78.67	79.30	79.97	80.60	81.12	81.77	.....
19	.....	76.33	76.91	77.49	78.10	78.71	79.34	80.00	80.58	81.20	81.77	.....
20	75.59	76.11	76.88	77.50	78.09	78.89	79.42	80.01	80.68	81.24	81.79	.....
21	75.61	76.59	76.88	77.43	78.27	78.94	79.38	80.03	80.77	81.24	81.86	.....
22	75.65	76.46	76.98	77.55	78.30	78.85	79.44	80.04	80.77	81.23	81.85	.....
23	75.63	76.45	77.01	77.64	78.31	78.89	79.48	80.03	.....	81.25	81.77	.....
24	75.75	76.33	76.98	77.53	78.32	78.78	79.51	80.05	80.63	81.27	81.87	.....
25	75.79	76.32	77.06	77.52	78.28	78.95	79.50	80.10	80.68	81.27	82.10	.....
26	75.79	76.34	77.05	77.69	78.42	79.00	79.59	80.12	80.72	81.31	81.96	.....
27	75.79	76.54	76.96	77.68	78.46	79.00	79.55	80.13	80.77	81.31	82.08	.....
28	75.81	76.60	76.98	77.64	78.35	79.01	79.50	80.13	80.73	81.38	82.04	.....
29	75.89		77.08	77.63	78.21	79.00	79.60	80.17	80.91	81.40	.....	.....
30	75.83		77.06	77.63	78.36	78.96	79.64	80.22	81.08	81.36	.....	.....
31	75.98		77.02		78.43		79.64	80.24		81.47		82.80

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 1.07 below lsd, Dec. 24, 1953; lowest 2.90 below lsd, May 3, 1952. Records available: 1952-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 24, 1952	1.99	Oct. 3, 1952	2.55	Mar. 12, 1953	1.47	Aug. 18, 1953	2.37
May 3	2.90	10	2.54	19	1.61	25	2.68
10	2.19	17	2.60	31	1.55	Sept. 1	2.87
17	2.29	24	2.53	Apr. 10	1.73	8	2.72
24	1.85	Nov. 3	2.56	18	1.85	15	2.79
31	1.82	10	2.55	25	1.68	22	2.81
June 7	2.18	15	2.54	May 2	1.63	29	2.62
15	1.58	Dec. 1	1.98	8	1.80	Oct. 6	2.60
July 12	2.55	6	1.78	16	2.44	14	2.63
19	1.42	10	1.69	23	2.29	21	2.64
26	2.31	Jan. 5, 1953	2.24	29	2.49	28	2.60
Aug. 2	2.63	10	2.46	June 4	2.60	Nov. 4	2.64
9	2.29	17	1.58	22	2.79	11	2.65
15	2.41	24	1.68	30	2.65	18	2.63
23	2.35	31	1.86	July 4	2.78	25	2.42
29	1.40	Feb. 7	1.28	11	2.21	Dec. 2	1.41
Sept. 6	2.22	13	1.40	18	2.20	10	1.75
13	2.48	19	1.32	27	1.35	18	1.68
20	2.50	25	1.36	Aug. 4	1.41	24	1.07
27	2.55	Mar. 1	1.23	11	2.02	31	1.33

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 2.95 below lsd, Sept. 1, 1953. Records available: 1952-53.

Lf 64--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 24, 1952	1.59	Oct. 3, 1952	2.48	Mar. 12, 1953	0.81	Aug. 18, 1953	2.44
May 3	2.40	10	2.42	19	.93	25	2.75
10	2.05	17	2.36	31	.71	Sept. 1	2.95
17	2.28	24	2.30	Apr. 10	.70	8	2.86
24	1.48	Nov. 3	2.24	18	1.14	15	2.86
31	1.90	10	2.23	25	.79	22	2.86
June 7	2.33	15	2.22	May 2	1.01	29	2.85
15	.86	Dec. 1	1.79	8	1.38	Oct. 6	2.83
July 12	2.60	6	1.70	16	2.18	14	2.83
19	.77	10	1.39	23	1.78	21	2.78
26	1.97	Jan. 5, 1953	2.29	29	2.27	28	2.68
Aug. 2	2.50	10	2.40	June 4	2.60	Nov. 4	2.72
9	1.80	17	.80	22	2.77	11	2.65
15	2.24	24	1.34	30	2.73	18	2.60
23	2.22	31	2.12	July 4	2.79	25	2.45
29	.67	Feb. 7	.36	11	2.05	Dec. 2	1.47
Sept. 6	2.12	13	.73	18	1.91	10	1.80
13	2.40	19	.75	27	.70	18	1.42
20	2.44	25	1.09	Aug. 4	.43	24	1.08
27	2.46	Mar. 1	.47	11	1.98	31	1.31

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 5.02 below lsd, Sept. 1, 1953. Records available: 1952-53.

Apr. 24, 1952	-0.52	Oct. 3, 1952	-4.03	Mar. 2, 1953	-0.03	Aug. 18, 1953	-4.28
May 3	1.42	10	4.00	19	.25	25	4.67
10	1.30	17	3.93	31	.09	Sept. 1	5.02
17	2.10	24	3.89	Apr. 10	.14	8	4.87
24	1.54	Nov. 3	3.89	18	.38	15	4.84
31	2.34	10	3.88	25	.14	22	4.96
June 7	3.09	15	3.85	May 2	.28	29	4.95
15	1.27	Dec. 1	2.49	8	.56	Oct. 6	4.58
July 12	-3.35	6	2.60	16	1.14	14	4.59
19	+.40	10	2.43	23	.91	21	4.50
26	-1.52	Jan. 5, 1953	2.51	29	1.77	28	4.39
Aug. 2	2.47	10	2.82	June 4	2.97	Nov. 4	4.43
9	1.29	17	2.37	22	4.06	11	4.37
15	2.77	24	2.64	30	4.14	18	4.36
23	3.00	31	-2.16	July 4	4.39	25	3.20
29	3.28	Feb. 7	+.04	11	4.00	Dec. 2	3.18
Sept. 6	3.39	13	-.14	18	4.07	10	3.99
13	3.88	19	-.39	27	3.39	18	3.85
20	3.98	25	-.46	Aug. 4	3.57	24	3.99
27	4.13	Mar. 1	+.22	11	3.94	31	3.02

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 6.38 below lsd, Sept. 29, 1953. Records available: 1952-53.

Apr. 24, 1952	4.65	Oct. 3, 1952	5.92	Mar. 12, 1953	4.86	Aug. 18, 1953	6.04
May 3	5.23	10	5.93	19	5.10	25	6.13
10	5.28	17	5.92	31	5.27	Sept. 1	6.29
17	5.40	24	5.94	Apr. 10	4.34	8	6.29
24	5.22	Nov 3	5.96	18	4.78	15	6.33
31	5.40	10	5.95	25	5.19	22	6.36
June 7	5.58	15	5.95	May 2	5.25	29	6.38
15	4.59	Dec. 1	5.67	8	5.23	Oct. 6	6.14
July 12	5.71	6	5.80	16	5.58	14	6.15
19	1.55	10	5.74	23	5.59	21	6.12
26	5.20	Jan. 5, 1953	5.79	29	5.77	28	6.09
Aug. 2	5.64	10	5.85	June 4	5.85	Nov. 4	6.10
9	5.40	17	5.00	22	5.96	11	6.10
15	5.63	24	5.73	30	6.00	18	6.05
23	5.70	31	5.86	July 4	6.04	25	6.00
29	5.39	Feb. 7	5.13	11	5.93	Dec. 2	5.10
Sept. 6	5.78	13	4.97	18	5.93	10	5.97
13	5.87	19	5.03	27	5.68	18	5.99
20	5.88	25	5.14	Aug. 4	5.67	24	5.97
27	5.93	Mar. 1	4.29	11	5.90	31	5.08

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 10.59 below lsd, May 6, 1953; lowest 16.96 below lsd, Dec. 30, 1953. Records available: 1953. Recording gage installed June 16, 1953.

Daily lowest water level from recorder graph*

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	14.84	15.52	15.83	16.27	16.48	16.69
2	.....	.....	14.93	15.57	15.80	16.20	16.44	16.60
3	.....	.....	15.00	15.58	15.89	16.28	16.53	16.59
4	.....	.....	14.97	15.58	15.94	16.30	16.55	16.74
5	.....	.....	15.01	15.62	15.95	16.22	16.56	16.76
6	h10.59	.....	.....	15.56	15.99	16.30	16.52	16.72
7	.....	.....	15.09	15.55	16.02	16.30	16.49	16.72
8	.....	.....	15.13	15.60	16.03	16.22	16.47	16.73
9	.....	.....	15.21	15.61	16.02	16.22	16.52	16.71
10	.....	.....	15.24	15.62	15.96	16.20	16.50	16.73
11	.....	.....	15.22	15.61	15.88	16.34	16.57	16.77
12	.....	.....	15.15	15.63	16.04	16.37	16.56	16.77
13	.....	.....	15.16	15.64	16.03	16.35	16.53	16.71
14	.....	.....	15.23	15.63	15.97	16.32	16.49	16.77
15	.....	.....	.....	15.64	16.00	16.32	16.50	16.85
16	.....	14.31	.....	15.65	16.03	16.34	16.53	16.86
17	.....	.....	.....	15.65	16.03	16.33	16.53	16.87
18	.....	.....	.....	15.66	16.05	16.33	16.57	16.81
19	.....	.....	.....	15.69	16.05	16.37	16.57	16.70
20	.....	.....	.....	15.69	16.11	16.38	16.52	16.65
21	.....	.....	15.38	15.71	16.19	16.39	16.62	16.79
22	.....	.....	15.43	15.72	16.19	16.38	16.61	16.93
23	.....	.....	15.48	15.70	16.14	16.36	16.51	16.92
24	.....	.....	15.52	15.70	16.06	16.39	16.57	16.78
25	.....	14.71	15.53	15.73	16.10	16.39	16.63	16.78
26	.....	14.81	15.59	15.74	16.12	16.40	16.64	16.84
27	.....	14.84	15.55	15.74	16.15	16.39	16.72	16.83
28	.....	14.89	15.51	15.75	16.11	16.43	16.72	16.83
29	.....	14.92	15.56	15.75	16.24	16.45	16.64	16.95
30	.....	14.88	15.60	15.79	16.32	16.39	16.69	16.96
31	.....		15.60	15.82		16.48		16.89

* No record for January, February, March, and April.
h Tape measurement.

Langlade County

La 9. U. S. Geol. Survey. SW¼NE¼ sec. 35, T. 31 N., R. 10 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 19 feet, cased to 19, 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: 1948-53. Feb. 24, 13.65; Apr. 28, 12.71; July 7, 13.13; Sept. 10, 12.86; Nov. 5, 13.31.

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 10.79 below lsd, Dec. 5, 1948, Jan. 7, 1951. Records available: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	8.35	Apr. 7	7.05	July 7	7.72	Oct. 13	8.90
13	8.53	15	6.85	14	7.98	20	9.06
20	8.49	21	6.84	22	7.90	27	9.10
27	8.79	29	7.00	27	7.80	Nov. 3	9.24
Feb. 3	8.76	May 5	7.03	Aug. 4	7.49	10	9.27
10	8.57	13	7.75	17	7.74	17	9.39
17	9.02	19	7.28	25	7.80	24	9.46
25	8.63	26	7.05	Sept. 1	8.07	Dec. 1	9.62
Mar. 3	9.02	June 2	7.47	8	8.26	11	9.61
9	9.29	9	7.63	16	8.39	15	9.71
17	9.15	16	7.70	22	8.49	22	9.77
24	7.25	24	7.78	29	8.57	29	9.87
Apr. 1	7.06	July 1	7.61	Oct. 6	8.79		

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, 1952-53. Feb. 25, 80.61; Apr. 28, 80.69; July 7, 80.80; Sept. 10, 80.92; Nov. 5, 81.43.

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 1,584.34 feet above msl. Highest water level 20.83 below lsd, July 1, 1952; lowest 24.07 below lsd, Mar. 22, 1950. Records available: 1948-53. Feb. 25, 21.57; Apr. 28, 21.81; July 7, 22.02; Sept. 10, 22.22; Nov. 5, 22.46.

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: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	15.40	Apr. 6	14.18	July 6	14.60	Oct. 5	15.21
12	15.46	13	14.21	13	14.78	12	15.34
19	15.63	20	14.16	20	15.04	19	15.35
26	15.67	27	14.19	27	14.65	26	15.49
Feb. 2	15.69	May 4	14.37	Aug. 3	14.69	Nov. 2	15.50
9	15.71	11	14.37	10	14.52	9	15.59
16	15.78	18	14.42	17	14.54	16	15.68
23	15.74	25	14.50	24	14.60	23	15.71
Mar. 2	15.89	June 1	14.58	31	14.78	30	15.71
9	15.94	8	14.62	Sept. 7	14.89	Dec. 7	15.79
16	15.87	15	14.78	14	14.96	14	15.78
23	15.17	22	14.99	21	15.01	21	15.90
30	14.50	29	14.75	28	15.04	28	15.95

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 feet above msl. Highest water level 9.72 below lsd, Aug. 27, 1952; lowest 13.88 below lsd, Mar. 15, 1949. Records available: 1948-53. Feb. 25, 12.87; Apr. 28, 12.44; July 7, 12.00; Sept. 10, 10.40; Nov. 5, 11.72.

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: 1948-53. Feb. 25, 10.06; Apr. 28, 8.70; July 7, 8.48; Sept. 10, 8.75; Nov. 5, 9.65.

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 1,653.34 feet above msl. Highest water level 114.09 below lsd, Aug. 6, 1948; lowest 120.75 below lsd, Nov. 5, 1953. Records available: 1948-53. Feb. 25, 116.07; Apr. 28, 116.04; July 7, 117.14; Sept. 10, 117.88; Nov. 5, 120.75.

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: 1942-53.

Jan. 5	12.42	Apr. 6	12.41	July 6	11.77	Oct. 6	12.39
12	12.50	13	11.52	13	11.86	12	12.49
19	12.61	20	11.39	20	11.89	19	12.57
26	12.72	27	11.35	27	11.94	26	12.64
Feb. 2	12.80	May 4	11.36	Aug. 3	11.87	Nov. 2	12.74
9	12.88	11	11.33	10	11.80	9	12.83
16	12.93	18	11.37	17	11.80	16	12.91
23	13.02	25	11.44	24	11.84	23	12.97
Mar. 2	13.08	June 1	11.53	31	11.94	30	13.06
9	13.14	8	11.52	Sept. 8	12.03	Dec. 7	13.11
16	13.19	15	11.64	14	12.08	14	13.17
23	12.82	22	11.71	21	12.19	21	13.22
30	12.06	29	11.78	28	12.26	28	13.27

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: 1948-53.

La 200--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.92	5.99	6.39	....	4.91	5.38	5.10	5.17	6.01	5.59	....	6.15
2	5.80	6.02	6.41	3.97	4.88	5.36	4.92	4.95	6.09	5.80	....	6.13
3	5.86	6.06	6.39	4.06	4.90	5.44	4.79	4.83	6.09	5.77	5.77	6.16
4	5.89	6.00	6.42	4.20	4.90	5.49	4.82	4.60	6.18	5.70	5.73	5.97
5	5.78	6.09	6.44	4.27	4.95	5.50	4.81	4.65	6.21	5.71	5.78	5.89
6	5.93	6.11	6.33	4.32	....	5.53	4.85	4.71	6.17	5.60	5.81	5.85
7	5.96	6.01	6.35	4.44	5.04	5.56	5.01	4.62	6.04	5.78	5.72	5.64
8	5.93	6.07	6.38	4.54	5.08	5.53	5.13	4.51	6.07	5.97	5.77	5.70
9	5.97	6.08	6.29	4.60	5.08	5.46	5.30	4.52	6.07	6.13	5.78	5.74
10	6.02	5.98	6.33	4.61	5.15	5.52	....	4.38	6.06	6.16	5.73	5.67
11	5.95	6.11	6.35	4.46	5.15	5.52	....	4.52	6.09	6.16	5.68	5.72
12	5.93	6.13	6.24	4.51	5.15	5.61	....	4.55	5.83	6.07	5.72	5.74
13	5.96	6.07	6.07	4.56	5.19	5.65	5.76	4.53	5.86	6.17	5.71	5.69
14	5.86	6.08	6.05	4.61	5.25	5.65	5.76	4.59	5.86	6.21	5.86	5.66
15	5.88	6.12	6.10	4.61	5.25	5.68	5.86	4.64	5.79	6.23	5.91	5.69
16	5.91	6.06	6.18	4.59	5.27	5.71	5.95	4.64	5.88	5.97	5.91	5.69
17	5.84	6.16	6.06	4.60	5.29	5.70	5.96	4.71	5.91	5.76	5.99	5.75
18	5.87	6.19	5.99	4.71	5.29	5.71	5.96	4.85	5.90	5.80	6.12	5.77
19	5.88	6.17	5.95	4.76	5.30	5.73	5.97	4.99	5.89	5.80	6.17	5.74
20	5.84	6.21	5.89	4.76	5.35	5.69	5.97	5.20	5.91	5.70	6.21	5.74
21	5.93	6.23	5.78	4.83	5.35	5.59	6.04	5.33	5.79	5.79	6.22	5.75
22	5.96	6.18	4.42	4.88	5.31	5.60	6.06	5.40	5.84	5.83	6.14	5.70
23	5.91	6.27	1.43	4.89	5.36	5.59	6.04	5.52	5.87	5.81	6.09	5.78
24	5.98	6.29	2.20	4.98	5.38	5.59	6.09	5.54	5.85	5.85	6.13	5.81
25	6.01	6.24	2.60	5.01	5.47	5.61	6.13	5.54	5.80	5.86	6.11	5.80
26	5.91	6.39	2.92	4.92	5.53	5.39	5.57	5.70	5.82	5.75	6.17	5.80
27	5.97	6.41	3.16	4.88	5.53	5.41	5.27	5.79	5.73	5.79	6.20	5.82
28	6.01	6.31	3.33	4.93	5.58	5.51	5.29	5.82	5.66	5.80	6.17	5.75
29	5.96		3.50	4.93	5.60	5.54	5.05	5.96	5.73	5.76	6.19	5.82
30	6.06		....	4.94	5.51	5.54	5.10	6.01	5.73	....	6.22	5.86
31	6.08		....		5.41		5.17	5.98		....		5.85

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 96.67 below lsd, Sept. 10, 1953. Records available: 1949, 1951-53. Feb. 25, 94.62; Apr. 28, 94.52; July 7, 94.78; Sept. 10, 96.67; Nov. 5, 95.48.

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: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	5.91	Apr. 6	4.70	July 14	4.87	Oct. 14	6.25
14	5.97	13	5.04	21	5.24	19	6.24
18	5.89	21	4.72	29	4.82	27	6.26
25	5.92	May 4	4.74	Aug. 4	4.77	Nov. 2	6.26
Feb. 10	6.03	12	4.98	11	4.88	10	6.26
15	5.90	19	5.15	18	5.38	17	6.26
22	6.00	26	5.17	25	5.65	22	5.71
Mar. 1	5.75	June 8	5.02	30	5.76	29	5.96
8	5.96	15	5.32	Sept. 15	6.11	Dec. 6	5.46
15	5.62	23	4.66	21	6.24	13	5.76
22	4.78	28	4.88	29	6.04	20	5.89
29	4.68	July 7	4.78	Oct. 6	6.11		

Marathon County

Mr 1. George Chrudimsky. NW¼NE¼ sec. 25, T. 30 N., R. 10 E. Drilled domestic and 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: 1948-53.

Mr 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	33.67	Apr. 4	34.19	July 3	34.97	Oct. 3	32.62
10	33.77	11	34.27	11	34.69	10	32.67
17	34.55	18	34.26	18	34.72	17	32.72
24	33.97	25	34.31	25	34.83	24	32.67
31	34.07	May 2	34.35	Aug. 1	34.82	31	32.69
Feb. 7	34.22	9	34.42	8	33.63	Nov. 7	32.77
14	34.39	16	34.52	15	33.73	14	32.72
21	34.49	23	34.57	22	33.62	21	32.87
28	34.57	29	34.62	29	33.51	28	32.92
Mar. 7	34.72	June 6	34.67	Sept. 5	32.62	Dec. 5	32.95
14	34.87	13	34.72	12	32.52	12	33.12
21	34.82	20	34.89	19	32.62	19	33.22
28	34.32	27	34.99	26	32.72	26	33.32

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 28.18 below lsd, Sept. 10-12, 1953. Records available: 1950-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.85	.....	.....	27.37	27.64	27.80	27.89	27.92	.....	27.42	.....	27.85
2	26.85	.....	.....	27.37	27.87	27.76	27.96	27.92	.....	27.46	.....	27.87
3	26.86	.....	.....	27.36	27.98	27.81	27.96	27.93	.....	27.42	.....	27.84
4	26.87	.....	.....	.....	27.98	27.80	27.97	.....	.....	27.40	.....	27.85
5	26.85	.....	.....	.....	27.65	27.83	27.97	.....	.....	27.35	.....	27.85
6	26.89	.....	.....	.....	27.56	27.83	27.97	28.04	.....	27.33	.....	.....
7	26.86	.....	.....	.....	27.61	27.78	27.99	28.05	.....	27.30	.....	27.74
8	26.88	.....	.....	.....	27.62	27.85	27.99	28.04	28.15	27.23	.....	27.78
9	26.88	.....	.....	.....	27.60	27.85	28.00	28.06	28.15	27.23	27.54	27.78
10	26.91	.....	.....	.....	27.58	.....	.....	28.05	28.18	27.20	27.56	.....
11	26.89	.....	.....	27.68	27.83	.....	.....	28.06	28.18	27.17	27.58	.....
12	26.90	.....	.....	27.68	27.88	.....	.....	28.06	28.18	27.16	27.59	.....
13	.....	.....	.....	27.62	27.87	.....	.....	28.06	28.14	27.12	27.60	.....
14	.....	.....	.....	27.62	27.69	.....	.....	.....	28.10	27.09	27.62	.....
15	.....	.....	.....	27.41	27.70	.....	27.93	.....	28.07	27.07	27.63	.....
16	.....	.....	.....	27.55	27.71	27.81	27.95	.....	28.07	27.05	27.65	.....
17	.....	.....	.....	27.75	27.64	27.86	27.93	27.98	28.06	27.10	27.64	.....
18	.....	.....	.....	27.75	27.73	27.83	27.95	28.00	28.06	27.14	27.66	.....
19	.....	.....	.....	27.76	27.67	27.88	27.93	28.02	28.01	27.17	27.68	.....
20	.....	.....	.....	27.72	27.67	27.90	27.96	28.01	27.96	27.21	27.70	.....
21	.....	.....	.....	27.47	.....	27.91	27.95	28.03	27.93	27.22	27.70	.....
22	.....	.....	.....	27.66	.....	27.87	27.96	28.02	27.90	27.26	27.72	28.00
23	.....	.....	.....	27.79	.....	27.87	27.90	28.03	.....	27.24	27.74	27.99
24	.....	.....	.....	27.78	.....	27.86	27.91	28.02	.....	27.20	27.76	28.01
25	.....	.....	.....	27.59	.....	27.87	27.93	28.04	27.60	.....	27.77	28.02
26	.....	.....	.....	.....	27.81	27.87	27.95	28.03	27.61	.....	27.79	28.04
27	.....	.....	.....	27.75	27.79	27.87	27.89	28.04	27.56	.....	27.79	.....
28	.....	.....	27.34	27.74	27.73	27.90	27.95	28.02	27.51	.....	.....	.....
29	.....		27.35	27.64	27.67	27.85	27.90	28.07	27.47	.....	.....	.....
30	.....		27.35	27.57	27.71	27.87	27.91	28.09	27.47	.....	.....	.....
31	.....		27.35		27.80		27.89	28.11		.....		.....

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 2.87 below lsd, June 17, 1946; lowest 9.98 below lsd, Apr. 5, 1950. Records available: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22	6.70	May 8	4.67	July 4	6.70	Sept. 26	6.86
31	6.30	16	5.42	11	6.96	Oct. 29	7.68
Feb. 7	6.62	23	5.76	18	6.95	Nov. 1	8.88
Mar. 27	8.72	30	6.49	Aug. 5	3.54	Dec. 5	8.36
Apr. 6	8.32	June 6	6.50	15	3.58	26	8.67
23	6.64	12	6.51	22	4.31	29	8.61
May 2	4.24	20	6.68				

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: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	21.23	Apr. 6	20.99	July 6	21.45	Oct. 5	21.18
12	21.25	13	21.05	13	21.54	12	21.23
19	21.31	20	21.15	20	21.51	19	21.22
26	21.38	27	21.06	27	21.40	26	21.24
Feb. 2	21.53	May 4	21.10	Aug. 3	21.35	Nov. 2	21.25
9	21.50	11	21.12	9	21.23	10	21.28
16	21.55	18	21.18	17	21.28	16	21.30
23	21.61	25	21.22	24	21.23	23	21.32
Mar. 2	21.66	June 2	21.26	31	21.23	Dec. 7	21.41
9	21.69	8	21.25	Sept. 7	21.22	14	21.45
16	21.76	15	21.32	14	21.18	21	21.49
23	20.98	22	21.37	21	21.20	28	21.53
30	20.89	29	21.40	28	21.16		

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 31.72 below lsd, Oct. 15, 1953. Records available: 1946-53. Jan. 28, 13.22; Apr. 8, 17.83; June 3, 22.53; Aug. 5, 28.28; Oct. 15, 31.72.

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 27.13 below lsd, Oct. 28, 1948. Records available: 1947-53. Recording gage installed June 4, 1953.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	h23.98	24.28	25.10	25.56	25.17	.....	25.84
2	.....	.....	.....	.....	h23.18	.....	24.72	25.17	25.80	25.05	24.34	26.03
3	.....	.....	.....	.....	.....	h24.14	25.02	24.05	25.78	25.41	25.10	26.22
4	.....	.....	.....	.....	.....	24.29	23.30	24.40	25.51	25.67	25.56	26.07
5	.....	.....	.....	.....	.....	24.35	19.88	24.53	25.67	23.86	25.67	26.04
6	.....	.....	.....	.....	.....	24.37	20.72	24.63	25.63	24.58	25.74	.....
7	.....	.....	.....	.....	.....	24.50	22.87	24.71	22.44	24.91	25.90	26.27
8	.....	.....	.....	h23.45	.....	23.50	23.74	25.12	22.92	25.15	26.22	26.20
9	.....	.....	.....	.....	.....	24.09	24.04	24.69	24.00	25.33	26.31	26.10
10	.....	.....	.....	.....	.....	24.55	24.86	23.22	24.56	25.67	26.42	26.06
11	.....	.....	.....	.....	.....	24.55	25.41	24.08	24.68	.....	26.48	26.05
12	.....	.....	.....	.....	.....	24.69	25.42	24.39	25.20	26.03	26.30	25.95
13	.....	.....	.....	.....	.....	25.03	24.87	24.75	.....	25.82	26.20	25.97
14	.....	h25.58	h24.73	.....	.....	25.20	25.30	25.18	23.81	25.86	26.28	25.33
15	h24.66	.....	.....	h22.80	h23.95	24.28	.....	25.43	24.67	25.95	26.30	25.60
16	.....	.....	.....	.....	.....	24.20	.....	.....	25.10	25.85	25.54	.....
17	.....	.....	.....	.....	.....	24.30	.....	24.18	25.19	25.91	.....	.....
18	.....	.....	.....	.....	.....	24.42	26.03	24.99	25.17	26.03	26.00	.....
19	.....	.....	.....	.....	.....	24.52	25.88	25.30	25.46	25.92	26.04	.....
20	.....	.....	.....	.....	.....	24.67	25.08	25.68	25.44	25.86	26.00	.....
21	.....	.....	.....	.....	.....	24.92	25.30	26.18	24.00	25.80	26.13	26.32
22	.....	.....	.....	.....	.....	23.78	25.50	26.20	24.81	25.61	.....	.....
23	.....	.....	.....	.....	.....	24.60	25.83	26.09	25.15	25.76	25.40	.....
24	.....	.....	.....	.....	.....	24.90	25.68	25.40	25.39	25.59	25.84	.....
25	.....	.....	.....	.....	.....	.....	25.47	25.96	25.40	25.61	25.82	.....
26	.....	.....	.....	.....	.....	.....	25.13	26.53	25.71	25.37	25.92	.....
27	.....	.....	.....	.....	.....	.....	24.00	26.33	25.80	25.30	26.08	.....
28	h24.71	h25.20	.....	.....	.....	.....	24.49	26.62	24.00	25.21	26.10	22.86
29	.....		.....	.....	.....	24.13	24.60	26.76	24.72	25.23	26.03	24.21
30	.....		.....	.....	.....	24.72	24.92	26.30	25.06	25.29	25.19	24.75
31	h25.02		h23.00		.....		25.10	25.34		25.74		25.13

h Tape measurement.

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: 1948-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	21.95	Apr. 7	20.96	July 7	20.70	Oct. 6	21.74
13	21.98	14	20.92	14	20.87	13	21.79
20	21.99	21	20.82	21	21.02	20	21.84
27	22.02	28	20.78	28	20.99	27	21.91
Feb. 3	22.06	May 5	20.72	Aug. 4	21.01	Nov. 3	21.95
10	22.06	12	20.75	11	21.07	10	22.00
17	22.08	19	20.85	18	21.17	17	22.04
24	22.08	26	20.88	25	21.28	24	22.06
Mar. 3	22.09	June 2	20.79	Sept. 1	21.37	Dec. 1	22.08
10	22.14	9	20.80	8	21.46	8	22.09
17	21.92	16	20.88	15	21.54	15	22.07
24	21.31	23	20.83	22	21.64	29	22.09
31	20.97	30	20.84	29	21.69		

Mt 9. Fox River Valley Girl Scouts. W. M. P. well 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: 1950-53.

Jan. 28	8.50	Apr. 29	8.08	July 30	8.33	Oct. 30	8.33
Feb. 25	8.42	May 28	8.33	Sept. 1	8.50	Nov. 30	8.50
Mar. 31	8.17	July 6	7.83	Oct. 1	8.60	Dec. 31	8.50

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: 1949-53. Feb. 24, 42.92; Apr. 27, 41.77; July 6, 41.60; Sept. 9, 40.90.

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 34.63 below lsd, Mar. 23, 1950. Records available: 1949-53. Feb. 24, 33.02; Apr. 27, 33.40; Sept. 9, 32.62; Nov. 3, 33.08.

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: 1949-53. Feb. 24, 16.20; Apr. 27, 15.42; July 6, 15.47; Sept. 10, 15.33; Nov. 3, 15.90.

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 0.74 below lsd, Apr. 30, 1951; lowest 3.40 below lsd, Nov. 3, 1953. Records available: 1950-53. Feb. 26, 0.95; Apr. 27, 0.87; July 13, 2.80; Sept. 10, 3.10; Nov. 3, 3.40.

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 sandstone, 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: 1952-53. Mar. 10, 128.57; May 5, 108.78; Sept. 8, 152.51; Nov. 16, 139.28.

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 60.79 below lsd, Jan. 24, 1952. Records available: 1946-53. Jan. 12, 49.53; Mar. 10, 48.66; May 5, 47.42; July 27, 55.70; Oct. 20, 55.42.

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: 1946-53. Jan. 12, 88.13; Mar. 10, 72.50; May 5, 69.95; July 7, 68.69; Sept. 21, 68.64.

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 201.57 below lsd, Sept. 9-10, 1953. Records available: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	181.80	176.11	172.84	169.56	168.04	174.59	184.59	192.88	197.77	199.43	197.04	197.02
2	181.41	175.93	172.69	169.67	168.26	175.05	184.98	192.63	198.37	199.36	196.85	196.82
3	181.01	175.64	172.39	169.54	168.44	175.43	185.37	192.45	199.03	199.46	197.01	196.62
4	180.75	175.51	172.12	169.44	168.49	176.01	185.63	192.06	199.87	199.64	197.27	196.35
5	180.23	175.26	172.34	169.46	168.35	176.69	186.04	191.87	200.51	199.60	197.41	196.40
6	180.26	174.97	172.54	169.35	168.22	177.35	186.47	191.57	200.97	199.94	197.48	196.13
7	180.06	174.94	172.56	169.32	168.20	177.62	186.83	191.25	201.30	199.94	197.49	196.15
8	179.77	175.01	172.36	169.30	168.15	177.77	187.17	191.00	201.51	199.79	197.41	196.07
9	179.51	175.09	172.31	169.11	168.20	.....	187.62	190.85	201.57	199.46	197.62	195.95
10	179.31	175.07	172.10	168.97	168.14	178.32	188.00	190.72	201.57	199.16	197.64	195.60
11	178.98	174.69	171.89	169.02	168.16	178.39	188.38	.....	201.36	198.71	197.87	195.42
12	178.90	174.31	171.87	168.97	168.41	178.32	188.79	190.38	201.52	198.71	197.91	195.37
13	178.39	174.27	171.78	168.93	168.67	178.38	189.28	190.36	201.53	198.61	197.94	195.00
14	178.37	173.99	171.77	168.92	168.67	178.68	189.90	190.36	201.42	198.35	197.85	194.74
15	178.13	173.96	171.32	168.69	168.75	178.87	190.52	190.52	201.30	198.06	197.84	194.72
16	178.29	173.93	171.39	168.48	168.93	179.27	191.07	190.75	201.37	197.99	197.93	194.89
17	178.20	173.96	171.26	168.55	169.26	179.77	191.53	190.89	.....	197.82	198.06	194.85
18	177.57	173.83	170.95	168.54	169.91	180.08	192.06	190.96	.....	197.67	198.19	194.65
19	177.43	173.73	170.86	168.47	170.27	180.48	192.48	191.06	.....	197.71	198.19	194.15
20	177.29	173.48	170.83	168.44	170.55	180.95	192.71	191.33	.....	197.78	198.16	193.63
21	177.15	173.60	170.65	168.33	171.16	181.50	192.85	191.69	201.54	197.82	198.15	193.22
22	177.08	173.57	170.45	168.07	171.59	181.96	193.01	192.01	201.53	197.82	198.15	193.07
23	176.93	173.40	170.23	168.22	171.99	182.41	193.12	192.38	201.37	197.66	197.83	193.08
24	176.70	173.28	170.17	168.19	172.22	182.67	193.28	192.87	200.97	197.63	197.50	192.58
25	176.82	173.14	170.24	167.85	172.33	183.22	193.10	193.38	200.55	197.64	197.41	192.03
26	176.78	172.67	170.23	168.07	172.92	183.70	193.10	193.93	200.25	197.51	197.37	191.54
27	176.43	172.73	170.03	168.18	173.21	183.94	193.12	194.48	199.81	197.46	197.42	191.47
28	176.35	172.80	169.84	168.31	173.42	184.25	193.10	195.05	199.58	197.27	197.45	191.00
29	176.31		169.93	168.36	173.27	184.48	193.03	195.70	199.32	197.33	197.26	190.64
30	176.25		169.90	168.17	173.39	184.55	193.09	196.43	199.39	197.16	197.04	190.60
31	176.07		169.68		173.98		193.08	197.14		197.05		190.29

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: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	47.97	48.24	48.78	44.19	.....	50.06	51.57	.....	55.31	54.28	53.42	54.83
2	46.54	48.30	48.63	44.30	.....	50.33	52.01	.....	55.61	53.74	53.03	53.61
3	46.02	48.50	48.43	44.22	46.80	50.47	52.09	51.55	55.99	53.36	53.09	53.76
4	45.83	48.55	48.07	44.15	49.07	51.10	49.50	51.86	54.89	51.37	53.10	54.23
5	45.68	48.53	48.13	44.21	49.10	50.84	46.70	52.04	54.33	52.59	53.63	53.72
6	45.71	48.53	48.63	44.10	49.50	50.75	51.03	53.44	52.86	51.55	53.20	51.90
7	45.68	48.63	48.66	44.06	50.05	48.40	51.53	54.76	50.22	49.98	52.77	53.36
8	46.37	48.78	48.24	44.02	49.63	50.45	51.82	54.52	53.34	51.83	51.37	53.21
9	48.12	48.99	48.05	43.90	.....	50.84	52.43	52.10	53.51	51.71	52.97	54.06
10	48.47	48.95	47.99	43.90	47.50	50.97	52.15	54.41	54.46	51.72	53.04	55.18
11	48.70	48.77	47.97	44.00	47.92	51.38	51.86	54.50	55.51	50.01	53.68	55.54
12	48.70	48.51	47.80	43.98	.....	51.27	49.70	54.41	55.37	52.00	55.74	55.00
13	48.95	48.51	47.43	43.90	47.40	51.12	51.38	.....	53.70	52.00	54.80	53.25
14	48.93	48.31	46.50	43.89	.....	48.80	51.62	.....	55.00	52.09	53.87	55.00
15	48.97	.....	45.30	43.71	49.19	50.77	51.83	.....	54.94	52.76	52.20	55.05
16	49.30	48.61	44.99	43.56	49.57	50.98	52.20	.....	55.49	52.60	54.03	56.07
17	49.30	48.64	44.80	43.67	47.27	51.25	52.00	.....	56.21	52.44	53.90	56.30
18	48.67	48.54	44.50	43.70	49.62	51.55	51.73	.....	55.91	.....	53.88	56.50
19	48.90	48.50	44.39	43.65	50.07	51.40	49.35	.....	55.65	.....	54.70	55.80
20	48.97	48.33	44.41	43.54	50.36	51.33	51.38	.....	53.75	52.33	53.98	53.90
21	49.00	47.92	44.29	43.41	50.95	49.00	51.38	.....	54.99	52.33	53.93	55.66
22	49.12	48.29	44.16	43.34	50.52	51.32	51.42	.....	54.50	52.72	52.52	56.28
23	49.08	48.33	44.08	47.84	50.21	51.52	52.05	.....	54.76	52.28	53.14	55.86
24	48.88	48.11	45.43	48.88	48.50	51.32	51.92	.....	55.74	52.30	52.92	55.14
25	48.94	47.43	45.10	48.41	49.54	51.99	51.56	.....	55.48	50.62	52.80	.....

Ml 45--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	48.94	47.97	44.78	46.25	50.60	51.95	49.10	.....	54.47	52.35	51.50	.....
27	48.65	48.69	44.62	48.34	50.53	51.70	51.38	.....	52.40	52.80	50.25	.....
28	48.48	48.76	44.50	48.20	50.95	49.20	.....	.....	53.70	52.37	52.51	54.41
29	48.20		44.56	.....	50.73	51.52	.....	.....	53.68	53.21	51.25	54.74
30	48.00		44.50	49.13	48.50	51.70	.....	.....	54.11	52.96	53.50	54.50
31	48.21		44.32		45.57		.....	.....		53.11		54.26

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 118.51 below lsd, Sept. 13, 1950. Records available: 1946-53. Mar. 2, 98.34; Apr. 27, 93.43; June 22, 105.02; Sept. 8, 108.95.

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 to 5¾ 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: 1946-53. Mar. 2, 210.19; Apr. 20, 207.60; May 26, 213.81; July 21, 211.84.

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: 1946-53. May 4, 156.50; Sept. 9, 160.43; Nov. 9, 160.35.

Ml 91. Village of Greendale. Formerly U. S. Government. 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 251.87 below lsd, Oct. 20, 1953. Records available: 1946-53. Jan. 26, 243.64; Mar. 16, 241.11; May 26, 240.58; July 28, 249.57; Oct. 20, 251.87.

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 244.20 below lsd, Sept. 22, 1953. Records available: 1946-53. Jan. 26, 238.86; Mar. 16, 237.08; May 26, 235.91; July 21, 240.39; Sept. 22, 244.20.

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 sandstone, 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 124.11 below lsd, Nov. 9, 1953. Records available: 1952-53. Mar. 3, 119.27; May 4, 119.38; June 15, 119.17; Sept. 9, 121.84; Nov. 9, 124.11.

Ml 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: 1946-53. Mar. 10, 30.80; May 5, 29.23; July 7, 34.86; Sept. 21, 38.49.

Ml 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 98.81 below lsd, Oct. 20, 1953. Records available: 1946-49, 1951-53. Jan. 26, 96.30; Mar. 16, 96.20; May 11, 96.26; Aug. 3, 96.45; Oct. 20, 98.81.

Ml 121. 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 66.50 below lsd, Dec. 17, 1953. Records available: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	64.58	.....	65.22	64.88	64.35	65.03	64.70	64.89	64.95	65.66	65.69	66.01
2	64.38	.....	65.04	64.93	64.81	65.03	64.62	64.85	64.88	65.53	65.63	65.82
3	64.39	.....	64.73	64.67	65.07	64.92	64.78	64.87	64.76	65.54	65.89	65.65
4	64.38	.....	64.61	.....	65.12	64.58	64.69	64.71	64.89	65.64	66.13	65.61
5	64.62	.....	65.04	.....	64.99	64.63	64.65	64.89	64.98	65.41	66.22	65.88

Ml 121--*Continued.*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	64.67	.....	65.43	64.64	64.84	64.85	64.61	64.88	65.08	65.66	66.19	65.64
7	64.83	.....	65.48	64.79	64.80	64.93	64.65	64.82	65.25	65.68	66.00	65.71
8	64.63	.....	65.34	64.82	64.76	64.60	64.76	64.86	65.35	65.51	65.77	65.76
9	64.70	.....	65.33	64.60	64.85	65.01	64.99	64.94	65.39	65.35	65.79	65.71
10	64.66	.....	65.81	64.62	64.77	65.02	65.04	65.00	65.28	65.20	65.78	65.69
11	64.81	.....	65.02	64.73	64.71	65.02	64.98	64.98	64.93	.....	65.91	65.88
12	64.82	.....	65.00	64.73	64.98	64.76	64.88	64.98	65.12	65.68	65.95	65.87
13	64.67	.....	65.10	64.88	65.20	64.70	64.80	65.01	65.15	65.75	65.88	65.54
14	64.55	.....	65.07	64.96	65.10	64.78	64.85	64.90	65.00	65.65	65.70	65.72
15	64.64	.....	64.85	64.73	64.90	64.74	64.96	65.01	64.91	65.53	65.54	66.07
16	65.19	.....	64.96	64.62	64.82	64.55	65.01	65.05	65.07	65.59	65.45	66.44
17	65.07	.....	64.91	64.79	64.65	64.74	64.93	65.14	65.11	65.56	65.50	66.50
18	64.58	65.02	64.52	64.83	64.66	64.79	64.73	65.11	64.98	65.49	65.54	66.37
19	64.61	64.05	64.91	64.84	64.68	64.48	64.73	65.12	64.91	65.54	65.57	65.96
20	64.76	64.74	64.97	64.85	64.58	64.56	64.78	65.13	65.06	65.58	65.40	65.67
21	64.74	65.20	64.69	64.80	64.68	64.80	64.76	65.16	65.52	65.67	65.53	65.83
22	64.76	65.26	64.80	64.56	64.78	64.86	64.72	65.17	65.62	65.63	65.50	66.37
23	64.70	65.25	64.70	64.86	64.97	64.98	64.85	65.06	65.59	65.35	65.20	66.39
24	64.60	65.07	64.75	64.86	64.98	64.83	65.05	65.00	65.30	65.46	65.06	66.05
25	64.97	64.95	65.11	64.41	64.69	64.71	64.96	64.99	65.18	65.47	65.26	65.85
26	.....	64.40	65.50	64.64	65.10	64.92	64.96	64.02	65.18	65.42	65.50	65.96
27	.....	64.81	64.91	64.75	65.27	64.93	65.00	65.00	65.12	65.36	65.96	65.93
28	.....	65.07	64.89	64.83	65.31	64.93	64.96	64.93	65.05	65.50	66.05	65.80
29	.....		65.08	64.83	65.02	65.00	64.87	64.84	65.29	65.56	65.83	66.02
30	.....		65.02	64.58	64.54	64.90	65.01	64.85	65.59	65.47	65.98	66.17
31	.....		64.82		64.76		65.01	64.92		65.65		66.13

Ml 125. Good Hope Cemetery. South 43d St. and West Cold Spring Rd. SE¼NE¼ sec. 23, T. 6 N., R. 21 E. Drilled unused 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: 1946-53. Mar. 2, 147.24; Apr. 27, 153.67; June 22, 173.58, nearby well being pumped; Sept. 22, 145.50.

Ml 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: 1946-53. Mar. 3, 60.28; Apr. 27, 59.62; June 15, 62.46; Sept. 2, 64.39; Nov. 3, 64.08.

Ml 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 257.98 below lsd, Oct. 15, 1953. Records available: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	240.32	241.22	236.89	237.30	237.63	241.90	250.97	241.73	250.80	256.95	257.32	252.86
2	240.16	241.07	236.65	237.30	237.79	241.71	250.66	241.53	251.35	257.45	257.97	252.72
3	239.50	240.12	236.03	237.08	237.78	241.52	250.40	240.98	252.24	257.74	257.96	252.43
4	239.43	239.40	235.91	236.70	237.50	241.58	250.23	240.16	252.80	257.87	257.92	252.02
5	239.30	238.80	236.46	236.58	236.73	241.97	249.83	239.97	253.16	257.81	257.93	251.89
6	239.40	238.13	236.98	236.00	236.20	242.66	248.86	240.15	252.78	257.60	257.80	251.62
7	239.60	238.08	237.13	235.12	236.19	242.84	247.58	240.32	252.99	257.60	257.55	251.33
8	239.75	237.90	237.22	234.82	236.70	242.49	246.95	240.57	253.42	257.53	257.20	250.87
9	239.94	237.83	237.22	234.78	237.40	242.13	246.62	240.66	253.66	257.56	256.66	250.47
10	239.92	237.75	237.10	234.96	237.64	242.32	246.25	240.57	253.48	257.47	256.37	250.13
11	240.16	236.91	237.30	235.13	238.20	242.22	245.45	240.47	253.52	257.59	256.30	250.11
12	240.14	236.69	237.49	235.15	.....	241.80	244.85	240.93	254.30	257.59	256.33	249.90
13	239.54	236.84	237.72	235.20	239.50	242.32	243.60	241.54	254.32	257.57	256.40	249.67
14	239.54	237.20	237.72	235.07	239.58	242.49	243.50	242.42	254.05	257.65	256.38	249.43
15	239.80	237.30	237.71	234.84	239.92	242.72	243.89	243.04	253.55	257.98	256.31	249.88
16	240.35	237.31	237.26	235.06	240.20	243.34	244.30	243.19	253.48	257.86	255.96	250.56
17	240.37	237.33	237.15	235.37	240.10	244.45	244.19	243.33	253.85	257.54	255.72	250.60
18	240.37	237.20	236.82	235.45	239.80	245.07	243.60	243.56	254.22	257.38	255.76	250.50
19	240.37	237.19	237.11	235.67	239.56	246.07	243.48	243.93	254.59	257.53	255.78	250.27
20	240.20	237.06	237.31	235.81	239.63	247.22	243.05	244.54	254.92	257.60	255.78	249.84

MI 132--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
21	240.33	237.47	237.30	235.95	239.95	247.82	242 52	245.07	255.05	257.20	255.80	248.64
22	240.59	237.46	237.40	236.47	240.20	248.92	241.70	245.60	255.05	256.56	255.80	248.50
23	240.60	237.21	237.13	237.19	240.43	249.85	242.20	245.50	255.05	256.17	255.11	248.60
24	241.06	237.03	237.10	237.32	240.45	249.87	242.50	245.73	255.25	255.14	254.35	248.60
25	241.27	236.89	237.33	237.67	240.20	250.67	242.51	246.37	255.58	255.61	254.08	248.49
26	241.27	236.49	237.37	238.04	240.33	251.37	242.41	246.93	255.74	256.22	254.14	248.13
27	240.80	236.69	237.40	238.10	240.64	251.83	241.90	247.79	255.87	256.75	254.13	247.77
28	240.72	236.83	237.60	238.09	240.63	251.78	241.44	248.62	255.83	256.88	253.94	246.73
29	240.92		237.74	238.01	240.48	251.50	241.43	249.58	255.52	256.98	253.43	245.76
30	240.95		237.73	237.63	240.97	251.17	241.65	249.58	256.49	257.08	253.03	245.93
31	241.13		237.48		241.50		241.73	250.09		257.08		246.01

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: 1946-53. Mar. 3, 8.64; May 4, 9.56; July 14, 9.25; Sept. 9. 9.22; Nov. 9, 10.48.

MI 146. Stanley Larsen. Formerly Heuel. 9090 Lake Drive, 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: 1946-53. Feb. 2, 65.34; Mar. 23, 64.95. June 1, 68.82; Sept. 1, 76.25; Nov. 2, 71.13.

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: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.23	31.74	30.73	30.24	29.85	29.97	30.17	30.65	30.90	31.63	32.00	32.62
2	31.13	31.55	30.54	30.34	30.03	29.90	30.27	30.62	30.87	31.47	31.94	32.48
3	31.14	31.55	30.37	30.22	30.06	29.78	30.37	30.62	30.82	31.48	32.09	32.37
4	31.16	31.56	30.42	30.32	29.97	29.71	30.32	30.51	30.90	31.60	32.18	32.56
5	31.35	31.41	30.65	30.33	29.75	29.76	30.34	30.61	30.99	31.45	32.19	32.22
6	31.36	31.54	30.83	30.25	29.59	29.90	30.37	30.53	30.95	31.65	32.13	32.67
7	31.40	31.56	30.83	30.35	29.57	29.96	30.35	30.47	31.06	31.65	32.03	32.67
8	31.22	31.65	30.66	30.33	29.56	29.77	30.48	30.47	31.10	31.55	31.94	32.71
9	31.33	31.79	30.64	30.18	29.61	30.05	30.57	30.51	31.06	31.47	32.05	32.69
10	31.22	31.58	30.60	30.37	29.53	30.03	30.60	30.57	30.98	31.43	32.05	32.65
11	31.48	31.30	30.54	30.44	29.56	30.00	30.56	30.48	30.78	31.69	32.28	32.73
12	31.43	31.23	30.52	30.37	29.70	29.88	30.48	30.90	31.07	31.84	32.28	32.73
13	31.41	31.22	30.61	30.40	29.82	29.90	30.46	31.08	31.06	31.83	32.20	32.52
14	31.34	31.11	30.59	30.45	29.63	29.97	30.58	30.68	30.93	31.75	32.08	32.62
15	31.49	31.16	30.50	30.25	29.53	29.96	30.63	30.67	30.94	31.75	32.12	32.77
16	31.74	31.21	30.61	30.29	29.51	29.94	30.67	30.63	31.50	31.81	32.20	32.95
17	31.52	31.27	30.49	30.34	29.40	30.12	30.60	30.70	31.12	31.78	32.25	32.93
18	31.35	31.11	30.22	30.32	29.48	30.08	30.46	30.63	31.07	31.73	32.35	32.81
19	31.35	31.08	30.44	30.25	29.52	29.98	30.50	30.65	31.08	31.83	32.35	32.55
20	31.45	30.83	30.46	30.23	29.48	30.09	30.56	30.66	31.16	31.85	32.25	32.48
21	31.44	31.07	30.26	30.16	29.64	30.25	30.52	30.75	31.41	31.90	32.48	32.68
22	31.42	31.02	30.33	30.15	29.67	30.26	30.53	30.75	31.48	31.86	32.44	33.00
23	31.35	30.82	30.36	30.32	29.86	30.32	30.65	30.77	31.37	31.72	32.30	33.00
24	31.45	30.60	30.31	30.29	29.79	30.16	30.81	30.75	31.18	31.83	32.33	32.75
25	31.65	30.49	30.46	30.00	29.52	30.14	30.63	30.75	31.18	31.83	32.44	32.57
26	31.63	30.17	30.45	30.19	29.85	30.28	30.70	30.79	31.20	31.83	32.54	32.72
27	31.44	30.60	30.25	30.20	29.94	30.26	30.73	30.78	31.24	31.82	32.76	32.72
28	31.46	30.70	30.23	30.17	29.87	30.25	30.64	30.80	31.26	31.87	32.30	32.68
29	31.59		30.38	30.00	29.61	30.31	30.67	30.81	31.33	31.95	32.65	32.89
30	31.46		30.30	29.88	29.53	30.24	30.77	30.83	31.64	31.84	32.61	32.95
31	31.64		30.18		29.77		30.64	30.88		32.01		32.86

MI 229. Andrew J. Albert. 5827 North 40th St., Milwaukee. SW¼SW¼ sec. 25, T. 8 N., R. 21 E. Drilled unused well in limestone, diameter 6 inches, depth 76 feet. Land-surface datum is 686 feet above msl. Highest water level 22.58 below lsd, Apr. 13, 1952; lowest 35.12 below lsd, Aug. 26, 1949. Records available: 1949-53. Measurement discontinued.

Ml 229--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.09	27.64	26.73	25.87	24.54	26.40	26.87	28.50	31.30	30.78	31.17	.....
2	26.98	27.51	26.57	25.90	24.30	26.46	26.87	28.23	31.56	30.67	31.00	.....
3	27.03	27.40	26.35	25.85	24.45	26.36	27.13	28.18	31.20	30.74	31.00	.....
4	27.02	27.38	26.28	25.90	24.49	26.32	27.21	28.00	31.07	30.75	31.10	.....
5	27.21	27.32	26.61	25.90	24.48	24.38	27.25	28.05	30.64	30.58	31.21	.....
6	27.26	27.10	26.88	25.82	24.33	24.58	27.10	.....	30.61	30.62	31.20	.....
7	27.39	27.16	26.88	25.91	24.41	24.58	27.33	.....	30.54	30.56	31.10	.....
8	27.36	27.13	26.81	25.92	24.60	24.83	27.41	.....	30.56	30.52	31.09	.....
9	.....	27.48	26.75	25.82	24.83	24.98	27.80	.....	30.71	30.55	31.14	.....
10	.....	27.48	26.60	25.81	24.48	25.02	28.00	.....	30.43	.....	.....	.....
11	.....	27.10	26.49	25.93	24.96	25.00	28.40	28.15	30.30	.....	.....	.....
12	.....	26.60	26.44	25.90	25.28	.....	28.69	28.33	30.27	30.73	.....	.....
13	.....	26.60	26.44	25.91	25.39	.....	28.88	28.36	30.21	30.89	.....	.....
14	.....	26.53	26.40	26.05	25.29	.....	29.13	28.72	30.09	30.80	.....	.....
15	.....	26.58	26.05	25.80	25.38	25.55	29.42	28.88	29.96	30.93	.....	.....
16	.....	26.77	26.20	25.62	25.40	25.79	29.42	28.87	30.25	30.95	.....	.....
17	.....	26.82	26.11	25.74	25.25	26.07	29.38	29.04	30.48	31.05	.....	.....
18	.....	26.77	25.98	25.78	25.24	26.07	28.70	29.04	30.40	31.20	.....	.....
19	27.22	26.78	25.98	25.74	25.27	25.73	28.70	29.10	30.30	30.98	.....	.....
20	27.33	26.58	26.04	25.76	25.31	26.20	28.60	29.39	30.15	31.00	.....	.....
21	27.31	26.70	25.97	25.70	25.50	26.72	28.43	29.73	30.35	31.18	.....	.....
22	27.30	26.70	25.90	25.60	25.60	26.89	28.25	29.62	30.38	31.16	.....	.....
23	27.25	26.61	25.81	26.06	25.74	27.00	28.47	29.71	30.37	30.90	.....	.....
24	27.21	26.47	25.82	25.90	25.75	26.70	28.51	30.00	30.15	30.91	.....	.....
25	27.46	26.39	26.03	25.34	25.43	26.45	28.79	30.19	30.08	30.92	.....	.....
26	27.46	26.00	26.02	25.50	25.64	26.43	28.90	30.71	30.08	30.82	.....	.....
27	27.26	26.40	25.96	25.50	25.77	26.46	28.61	30.83	30.11	30.77	.....	.....
28	27.26	26.69	25.90	25.50	25.74	26.50	28.55	30.98	30.16	30.83	.....	.....
29	27.38		26.13	25.30	25.56	26.86	28.52	31.40	30.30	30.88	.....	.....
30	27.38		26.10	24.86	25.83	26.88	28.63	31.36	30.69	30.81	.....	.....
31	27.48		25.88		26.17		28.57	31.18		30.99		.....

Ml 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 20.11 below lsd, Sept. 1, 1953. Records available: 1949-53. Feb. 2, 11.76; Mar. 23, 10.78; June 1, 13.20; Sept. 1, 20.11; Nov. 2, 19.22.

Ml 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: 1949-53. Feb. 2, 11.24; Mar. 23, 9.52; June 1, 9.40; Sept. 1, 12.06; Nov. 2, 12.97.

Ml 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: 1950-53. Mar. 3, 201.00; June 16, 194.00; Sept. 22, 210.00.

Ml 289. W. Boden. 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 74.54 below lsd, May 5, 1952; lowest 75.86 below lsd, July 29, 1952. Records available: 1952-53. Mar. 3, 75.26; May 4, 75.19; July 14, 74.84; Sept. 9, 75.20; Nov. 9, 75.07.

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: 1947-53. Feb. 26, 3.80; Apr. 23, 2.80; July 2, 4.32; Sept. 17, 5.02: Nov. 20, 4.97.

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: 1934-53.

Mo 2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	7.90	Apr. 25	6.51	July 27	6.47	Oct. 25	6.99
Feb. 27	7.95	May 30	7.00	Aug. 27	6.70	Nov. 27	7.07
Mar. 20	6.62	June 25	7.27	Sept. 27	6.95	Dec. 27	7.18
Apr. 21	6.50						

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: 1934-53.

Jan. 27	9.35	Apr. 21	2.64	June 28	6.25	Sept. 29	8.35
Feb. 28	9.53	25	3.34	July 27	6.95	Oct. 28	8.85
Mar. 28	2.52	May 28	5.14	Aug. 28	7.60	Dec. 28	9.45

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. Record available: 1934-53.

Jan. 29	6.40	Apr. 28	5.16	Aug. 29	6.60	Oct. 29	7.05
Feb. 26	6.26	May 29	5.90	Sept. 14	6.78	Nov. 29	6.55
Mar. 25	4.10	June 29	6.40	29	6.70	Dec. 29	6.55
Apr. 21	4.74	July 29	5.65				

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: 1934-53. Feb. 24, 26.98; Apr. 21, 26.61; June 29, 26.74; Sept. 14, 26.72; Nov. 17, 26.80.

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 11.11 below lsd, Nov. 8, 1950. Records available: 1934-53.

Feb. 12	11.10	Apr. 21	10.17	Aug. 8	10.37	Oct. 12	10.78
24	11.03	May 9	10.40	Sept. 4	10.60	Dec. 14	10.91
Mar. 27	10.50	July 2	10.56				

Mo 17. U. S. Army, Camp McCoy. NW¼SW¼ sec. 29, T. 18 N., R. 2 W. Drilled unused a.tesian well in sandstone, diameter 9 inches, depth 192 feet, cased to 109. Highest water level 1.78 below lsd, July 1, 1952; lowest 5.42 below lsd, Feb. 7, 1951. Records available: 1949-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.20	4.43	4.68	3.58	3.13	3.03	....	3.69	3.87	4.12	4.61	4.57
2	4.18	4.40	4.62	3.62	3.17	3.08	3.55	3.68	3.87	4.17	4.70	4.60
3	4.18	4.40	4.63	3.41	3.21	3.28	3.59	3.70	3.91	4.16	4.78	4.57
4	4.18	4.40	4.65	3.46	3.15	2.95	3.62	3.62	3.94	4.20	4.80	4.73
5	4.25	4.36	4.72	3.45	3.14	3.02	3.58	3.77	3.97	4.22	4.80	4.72
6	4.24	4.43	4.75	3.40	3.11	3.09	3.58	3.63	3.95	4.20	4.80	4.73
7	4.27	4.44	4.73	3.45	3.18	3.14	3.63	3.68	3.94	4.20	4.77	4.79
8	4.23	4.49	4.78	3.49	3.15	....	3.71	3.58	3.93	4.20	4.78	4.82
9	4.28	4.50	4.76	3.40	3.04	....	3.72	3.54	3.90	4.20	4.80	4.83
10	4.25	4.47	4.75	3.44	3.04	....	3.77	3.48	3.85	4.27	4.80	4.84
11	4.30	4.47	4.74	3.41	3.12	....	3.75	3.50	3.83	4.29	4.20	4.88
12	4.27	4.50	4.66	3.30	3.17	....	3.75	3.53	3.88	4.28	4.17	4.89
13	4.31	4.50	4.54	3.18	3.17	....	3.73	3.52	3.88	4.24	4.17	4.95
14	4.33	4.53	4.42	3.11	3.12	....	3.80	3.57	3.97	4.29	4.18	4.97
15	4.41	4.53	4.37	3.05	3.12	....	3.85	3.58	....	4.32	4.20	5.07
16	4.41	4.53	4.37	3.06	3.15	....	3.87	3.60	....	4.33	4.26	5.06
17	4.25	4.58	4.30	3.03	3.14	....	3.97	3.55	4.04	4.35	4.32	4.40
18	4.26	4.55	4.18	3.02	3.13	....	3.88	3.68	4.02	4.37	4.35	4.37
19	4.28	4.47	4.15	3.02	3.12	....	3.88	3.70	4.06	4.43	4.32	4.42
20	4.30	4.47	4.10	3.01	3.05	....	3.55	3.78	4.05	4.42	4.30	4.43
21	4.26	4.65	3.66	2.95	3.18	....	3.55	3.81	3.95	4.45	4.34	4.54
22	4.31	4.58	3.73	3.00	3.16	....	3.56	3.80	3.97	4.46	4.34	4.56
23	4.27	4.58	3.70	3.05	3.15	....	3.60	3.47	4.05	4.50	4.35	4.56
24	4.34	4.58	3.61	3.03	3.12	....	3.65	3.53	4.08	4.52	4.35	4.57
25	4.35	4.57	3.64	3.07	2.96	....	3.63	3.72	4.08	4.50	4.39	4.59

Mo 17--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	4.32	4.60	3.60	3.12	3.01	....	3.64	3.78	4.08	4.53	4.44	4.64
27	4.35	4.66	3.55	3.14	3.05	....	3.63	3.85	4.05	4.51	4.47	4.67
28	4.39	4.67	3.50	3.15	3.05	....	3.68	3.89	4.17	4.60	4.47	4.67
29	4.39		3.49	3.14	2.95	....	3.65	3.87	4.18	4.56	4.55	4.83
30	4.36		3.46	3.12	2.93	....	3.70	3.90	4.12	4.62	4.63	4.83
31	4.43		3.45		3.00		3.73	3.90		4.63		4.82

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: 1946-53. Jan. 28, 2.15; Apr. 8, 0.15; June 3, 0.79; Aug. 5, 4.19; Oct. 15, 1.19.

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: 1944-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.01	.....	16.73	17.16	16.61	16.06	15.03	14.19	14.48	.....	15.25	15.64
2	16.02	16.33	16.75	17.16	16.59	16.05	14.94	14.19	14.48	.....	15.24	15.64
3	16.03	16.35	16.76	17.16	16.58	16.02	14.94	14.19	14.49	.....	15.29	15.65
4	16.03	.....	16.77	17.15	16.56	15.98	14.84	14.20	14.51	.....	15.32	15.63
5	.....	.....	16.81	17.15	16.53	15.96	14.79	14.20	14.55	.....	15.33	15.67
6	.....	16.36	16.85	17.15	16.50	15.93	14.73	14.19	14.58	.....	15.32	15.66
7	.....	16.38	.....	17.14	16.48	15.90	14.67	14.16	14.61	.....	15.32	15.68
8	.....	16.40	.....	17.14	16.47	15.92	14.66	14.21	14.63	.....	15.31	15.71
9	.....	16.43	16.89	17.13	16.45	15.95	14.62	14.21	14.64	.....	15.34	15.71
10	.....	16.43	16.90	17.11	16.43	15.95	14.60	14.21	14.64	.....	15.35	15.69
11	.....	16.42	16.92	17.10	16.41	15.93	14.55	14.21	.....	.....	15.39	15.72
12	16.10	16.41	16.93	17.10	16.42	15.90	14.52	14.23	.....	15.02	15.39	15.72
13	16.14	16.42	16.96	17.08	16.42	15.89	14.49	14.23	.....	15.02	15.14	15.72
14	16.14	16.45	16.96	17.07	16.40	15.89	14.46	14.26	14.64	15.02	15.41	15.74
15	16.14	.....	16.98	17.05	16.37	15.89	14.46	14.27	14.63	.....	15.42	15.76
16	16.20	16.50	17.01	17.01	16.34	15.88	14.44	.....	14.66	15.09	15.46	15.79
17	16.18	16.52	17.02	17.00	16.32	15.89	14.40	14.32	14.67	.....	15.45	15.79
18	16.16	16.53	17.02	17.00	16.29	15.88	14.34	14.33	14.67	.....	15.48	15.79
19	16.20	16.55	17.06	16.98	16.28	15.85	14.31	14.35	.....	15.09	15.49	15.77
20	16.21	16.55	17.08	16.96	16.25	15.81	14.30	.....	.....	15.12	15.49	15.77
21	16.21	16.59	17.08	16.93	16.23	15.73	14.28	.....	14.79	15.11	15.51	15.82
22	16.23	.....	17.10	16.89	16.23	15.65	14.27	.....	14.81	15.12	15.51	15.84
23	16.23	16.64	17.11	16.86	16.21	15.58	14.30	.....	14.81	15.15	15.50	.....
24	16.25	16.64	17.12	16.86	16.19	15.48	.....	14.42	14.79	15.15	15.52	.....
25	16.27	16.64	17.15	16.82	16.15	15.36	.....	14.42	14.81	15.16	15.56	.....
26	16.28	16.66	17.15	16.78	16.13	15.33	.....	14.43	14.82	15.17	15.58	.....
27	16.26	16.66	17.15	16.78	16.13	15.29	14.40	14.43	.....	15.19	15.61	.....
28	16.28	16.66	17.15	16.74	16.11	15.19	14.22	14.42	14.88	15.21	15.62	15.86
29	16.30		17.16	16.71	16.09	15.17	14.20	14.42	14.88	15.20	15.62	15.90
30	16.30		17.16	16.67	16.05	15.08	14.21	14.46	.....	15.22	15.64	.....
31	16.35		17.16		16.05		14.20	14.47		15.25		.....

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: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	28.33	Feb. 24	28.64	Apr. 22	29.04	June 9	29.03
14	28.37	Mar. 3	28.77	28	29.08	17	28.82
19	28.38	11	28.86	May 5	29.09	24	28.85
26	28.48	19	29.05	13	29.02	July 9	28.62
Feb. 4	28.52	Apr. 2	28.82	22	29.08	16	28.47
12	28.55	7	28.89	27	29.09	23	28.40

On 23--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 30	28.32	Sept. 10	28.30	Oct. 21	28.64	Nov. 23	28.77
Aug. 13	28.24	16	28.32	28	28.66	Dec. 3	28.86
19	28.21	21	28.40	Nov. 3	28.70	10	28.84
26	28.22	30	28.49	11	28.76	29	28.75
Sept. 3	28.14	Oct. 14	28.49				

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: 1944-53.

Jan. 1	20.48	Apr. 11	20.50	July 5	19.15	Oct. 6	20.11
11	20.57	20	20.50	13	19.85	14	20.20
20	19.64	25	20.50	25	19.55	19	20.22
25	20.70	May 1	20.50	Aug. 1	19.47	26	20.30
Feb. 5	20.75	10	20.50	10	19.49	Nov. 1	20.35
12	20.76	20	20.47	17	19.56	10	20.42
20	20.79	26	20.45	23	19.60	16	20.50
27	20.93	June 1	20.43	30	19.64	25	20.59
Mar. 6	21.00	7	20.40	Sept. 8	19.83	Dec. 1	20.60
13	20.93	14	20.40	14	19.85	8	20.65
21	20.77	22	20.34	21	19.98	16	20.71
27	20.75	29	20.22	28	20.03	25	20.75
Apr. 4	20.57						

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: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.17	.....	.....	.....	15.96	.....	.....	.....	.....	.....	27.10	20.85
2	15.78	.....	.....	16.52	15.86	21.03	.....	.....	.....	.....	26.71	21.11
3	17.15	16.67	.....	16.40	15.30	21.97	.....	.....	.....	42.12	27.63	21.27
4	17.15	17.90	15.55	16.20	15.10	21.96	.....	.....	.....	41.03	27.96	22.76
5	.....	17.50	16.02	14.90	16.18	21.79	26.65	.....	.....	.....	27.96	22.60
6	.....	17.38	.....	.....	17.12	21.70	.....	.....	.....	.....	28.02	21.63
7	.....	17.15	.....	.....	17.00	20.90	.....	.....	.....	.....	27.78	.....
8	.....	17.07	.....	16.20	17.67	20.20	.....	.....	.....	.....	26.58	.....
9	.....	16.87	.....	16.10	17.94	21.53	.....	32.62	.....	.....	25.63	.....
10	18.65	17.09	16.16	16.18	17.87	21.99	.....	.....	.....	.....	25.45	.....
11	18.38	.....	16.40	16.05	17.73	23.17	.....	.....	.....	.....	25.64	.....
12	.....	17.20	16.24	15.30	.....	23.55	26.82	.....	.....	.....	25.81	.....
13	.....	17.30	16.50	15.12	.....	.....	.....	.....	.....	.....	25.62	.....
14	.....	16.80	16.38	15.62	.....	.....	.....	.....	40.31	.....	25.41	.....
15	.....	.....	15.73	15.73	.....	.....	.....	.....	.....	.....	24.48	.....
16	.....	.....	16.30	16.62	.....	.....	.....	.....	.....	.....	24.70	.....
17	.....	.....	16.94	.....	.....	.....	.....	.....	.....	32.40	25.05	.....
18	18.46	.....	17.06	.....	17.54	.....	.....	.....	.....	31.26	25.06	.....
19	.....	.....	17.29	.....	.....	.....	.....	.....	42.44	.....	25.40	.....
20	.....	.....	.....	.....	18.96	.....	.....	.....	40.33	.....	25.16	.....
21	.....	.....	.....	15.36	18.50	.....	.....	.....	.....	.....	24.58	.....
22	.....	.....	16.58	15.94	18.33	.....	.....	.....	42.37	36.88	23.56	.....
23	.....	.....	15.87	16.21	19.11	.....	.....	.....	41.93	31.59	22.53	.....
24	.....	.....	16.00	16.22	18.75	.....	.....	.....	.....	28.66	23.39	20.30
25	.....	16.92	.....	15.90	16.90	.....	.....	.....	49.10	28.08	23.96	18.95
26	.....	16.18	16.47	15.05	.....	.....	.....	.....	41.52	27.03	.....	18.32
27	26.05	16.49	16.83	14.96	19.28	28.49	.....	.....	.....	.....	.....	17.95
28	18.11	.....	16.83	15.73	19.54	31.13	.....	.....	41.50	27.17	.....	18.76
29	18.63		15.62	15.93	19.64	.....	.....	.....	41.38	27.53	.....	20.17
30	18.43		15.55	15.72	19.35	.....	.....	.....	41.80	28.11	.....	.....
31	17.94		15.80		.....		.....	.....		28.08		.....

Ou 3. Vanden Huefel. $SE\frac{1}{4}NE\frac{1}{4}$ 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 39.66 below lsd, Dec. 4, 1952. Records available: 1947-53. Apr. 9, 38.80; June 4, 37.09; Aug. 6, 39.07.

Ou 5. Kaukauna Water and Electric Co. $SW\frac{1}{4}SE\frac{1}{4}$ 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 32.97 below lsd, Oct. 13, 1953. Records available: 1947-53. Jan. 27, 28.12; June 2, 28.03; Aug. 4, 30.78; Oct. 13, 32.97.

Ou 19. Wisconsin Michigan Power Co. $NE\frac{1}{4}NW\frac{1}{4}$ 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 42 below lsd, Aug. 14, 1952. Records available: 1951-53. Jan. 29, 28.31; Apr. 9, 27.98; June 5, 30.73; Aug. 7, 41.03; Oct. 16, 37.65.

Ou 24. Appleton Coated Paper Co. $NW\frac{1}{4}NW\frac{1}{4}$ 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 77.95 below lsd, July 25, 1951. Records available: 1951-53. Jan. 29, 67.55; Apr. 9, 66.58; Oct. 16, 77.54.

Ou 29. Highland Memorial Park. $NW\frac{1}{4}SE\frac{1}{4}$ 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 54.88 below lsd, June 5, 1953; lowest 59.64 below lsd, Apr. 17, 1952. Records available: 1951-53. Jan. 29, 57.43; Apr. 9, 56.20; June 5, 54.88; Aug. 7, 56.81; Oct. 16, 58.30.

Ou 41. Peter Loderbauer. $NW\frac{1}{4}SW\frac{1}{4}$ sec. 31, T. 21 N., R. 19 E. Drilled domestic and 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: 1952-53. June 25, 1952, 71.76; Dec. 9, 71.89; Mar. 23, 1953, 72.20; May 26, 72.02; Sept. 4, 77.14.

Ou 59. Richard Lamers. $NW\frac{1}{4}NE\frac{1}{4}$ sec. 17, T. 21 N., R. 19 E. Drilled domestic and 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 71.80 below lsd, Aug. 6, 1952; lowest 73.12 below lsd, Aug. 13, 1953. Records available: 1952-53. Aug. 6, 1952, 71.80; Dec. 9, 71.89; Mar. 23, 1953, 71.91; May 26, 72.79; Aug. 13, 73.12.

Ou 65. Mark Kerkhoff. $SW\frac{1}{4}NW\frac{1}{4}$ sec. 18, T. 22 N., R. 19 E. Drilled domestic and 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 33.80 below lsd, Mar. 23, 1953. Records available: 1952-53. Aug. 27, 1952, 32.10; Dec. 9, 33.48; Mar. 23, 1953, 33.80; May 26, 32.91; Aug. 2, 32.97.

Ou 70. Orville Krabbe. $SW\frac{1}{4}NW\frac{1}{4}$ sec. 18, T. 22 N., R. 18 E. Drilled domestic and 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 82.65 below lsd, Mar. 23, 1953. Records available: 1952-53. Aug. 28, 1952, 81.22; Dec. 9, 82.38; Mar. 23, 1953, 82.65; May 26, 80.21; Aug. 13, 81.67.

Ou 82. American Telephone & Telegraph Co. $SE\frac{1}{4}NE\frac{1}{4}$ sec. 2, T. 21 N., R. 15 E. Drilled domestic and 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 44.39 below lsd, Dec. 10, 1952. Records available: 1952-53. Sept. 11, 1952, 43.89; Dec. 10, 44.39; Mar. 24, 1953, 42.32; May 26, 40.65; Aug. 13, 43.74.

Ou 87. Peter Williamson. $NW\frac{1}{4}NE\frac{1}{4}$ sec. 19, T. 22 N., R. 17 E. Drilled domestic and 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 3.86 below lsd, Mar. 23, 1953; lowest 11.53 below lsd, Dec. 9, 1952. Records available: 1952-53. Oct. 2, 1952, 7.97; Dec. 9, 11.53; Mar. 23, 1953, 3.86; May 26, 5.55; Aug. 13, 8.63.

Ou 95. John Ross. $NE\frac{1}{4}NW\frac{1}{4}$ 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 6.46 below lsd, Mar. 24, 1953; lowest 9.24 below lsd, Aug. 13, 1953. Records available: 1952-53. Nov. 6, 1952, 8.23; Dec. 10, 7.05; Mar. 24, 1953, 6.46; May 26, 7.00; Aug. 13, 9.24.

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 13.04 below lsd, Nov. 7, 1951; lowest 19.90 below lsd, Mar. 6, 1951. Records available: 1950-53. Feb. 26, 18.68; Apr. 28, 15.25; July 9, 15.89; Sept. 9, 16.67; Nov. 5, 18.26.

Pt 6. N. Weisbrot. SE¼NW¼E½ sec. 31, T. 24 N., R. 9 E. Driven unused water-table well in sand, diameter 2 inches, depth 22 feet. Highest water level 11.78 below lsd, May 20, 1952; lowest 15.60 below lsd, Mar. 6, 1951. Records available: 1950-53. Feb. 25, 14.15; Apr. 28, 12.60; July 9, 12.58; Sept. 10, 12.35. 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: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	34.69	Mar. 19	34.07	June 6	34.20	Sept. 8	34.72
9	34.71	26	34.59	13	34.23	10	34.76
16	34.76	Apr. 2	34.25	19	34.25	17	34.76
23	34.80	9	34.13	26	34.28	Oct. 14	34.92
31	34.63	15	34.11	July 2	34.30	21	34.96
Feb. 5	34.55	25	34.11	9	34.33	30	35.00
12	34.66	27	34.13	16	34.36	Nov. 4	35.10
19	34.75	May 2	34.13	26	34.40	11	35.08
25	34.97	9	34.14	30	34.59	18	35.15
26	34.91	16	34.15	Aug. 6	34.61	Dec. 12	35.28
Mar. 5	34.98	22	34.16	18	34.61	24	35.35
12	34.03	28	34.17	30	34.67	31	35.40

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 31.45 below lsd, Nov. 4, 1953. Records available: 1950-53. Apr. 27, 27.40; July 7, 26.00; Sept. 10, 25.60; Nov. 4, 31.45.

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: 1950-53. Apr. 29, 9.65; July 9, 10.07; Sept. 10, 10.60; Nov. 3, 11.02.

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: 1950-53. July 7, 21.32; Sept. 10, 21.73; Nov. 4, 22.19.

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 55.89 below lsd, Feb. 25, 1953. Records available: 1950-53. Feb. 25, 55.89; Sept. 10, 53; Nov. 5, 54.

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 15.60 below lsd, Apr. 29, 1953; lowest 36.87 below lsd, Jan. 11, 1952. Records available: 1950-53. Apr. 29, 15.60; July 16, 26.14; Sept. 10, 29.87; Nov. 5, 32.60.

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: 1950-53. Apr. 27, 7.89; July 7, 9.13; Sept. 10, 10.00; Nov. 4, 11.20.

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 75.75 below lsd, Oct. 19, 1950. Records available: 1950-53. Apr. 27, 74.08; Sept. 9, 74.97; Oct. 15, 75.06; Nov. 10, 75.09.

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: 1944-53. Feb. 26, 13.63; Apr. 29, 11.31; July 16, 11.49; Sept. 10, 12.26; Nov. 3, 12.60.

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 18.49 below lsd, Mar. 18, 1951. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	16.80	Apr. 12	17.25	June 21	15.70	Aug. 30	16.40
19	16.90	19	16.18	28	15.75	Sept. 8	16.50
25	17.00	26	15.99	July 6	15.80	9	16.53
Feb. 1	17.10	29	15.98	12	15.85	13	16.60
8	17.18	May 3	15.88	18	15.90	20	16.65
15	17.28	10	15.85	19	15.95	27	16.75
22	17.30	17	15.70	26	16.05	Oct. 4	16.80
Mar. 1	17.40	24	15.45	Aug. 2	16.05	11	17.05
22	17.41	31	15.50	9	16.10	Nov. 5	17.36
29	16.50	June 7	15.50	16	16.25	Dec. 20	18.44
Apr. 5	16.35	14	15.40	23	16.30	27	18.44

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: 1950-53.

Jan. 12	5.00	Apr. 21	3.50	July 13	5.25	Oct. 5	5.30
19	4.35	27	3.65	20	5.15	12	5.60
28	4.85	May 4	3.30	27	5.30	19	5.70
Feb. 9	4.65	12	3.90	Aug. 3	4.19	26	5.65
16	4.62	18	4.30	10	5.29	Nov. 2	5.65
24	4.75	25	4.40	18	5.28	16	5.65
Mar. 9	4.35	June 1	4.60	24	5.49	23	5.50
17	3.50	8	4.70	Sept. 1	5.49	30	5.65
23	1.40	15	5.00	7	5.55	Dec. 7	5.40
30	2.30	22	5.00	14	5.60	14	5.35
Apr. 6	3.00	29	4.90	21	5.58	21	5.25
13	2.50	July 6	5.15	28	5.60	28	5.20

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: 1950-53.

Jan. 3	6.14	Apr. 4	3.04	July 4	4.86	Oct. 3	5.96
10	6.15	11	2.40	11	5.06	10	5.98
17	6.01	18	2.72	18	5.24	17	5.99
24	6.00	25	2.90	25	5.44	24	5.98
31	6.02	May 2	2.62	Aug. 1	5.48	31	5.99
Feb. 7	6.10	9	2.93	8	5.24	Nov. 7	5.96
14	6.12	16	3.33	15	5.39	14	5.93
21	6.13	23	3.66	22	5.50	21	5.89
28	6.10	30	3.89	29	5.63	28	5.91
Mar. 7	6.10	June 6	4.26	Sept. 5	5.79	Dec. 5	5.89
14	5.54	13	4.55	12	5.85	12	5.88
21	3.63	20	4.69	19	5.90	19	5.86
28	2.80	27	4.80	26	5.93	26	5.90

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 11.63 below lsd, Feb. 20, 1951. Records available: 1950-53.

Jan. 6	10.61	Feb. 18	10.96	Mar. 24	8.88	May 5	8.76
13	10.67	24	10.98	31	9.06	12	8.34
20	10.71	Mar. 3	11.04	Apr. 7	9.13	19	8.39
27	10.77	10	11.10	14	8.69	Sept. 9	10.02
Feb. 3	10.83	17	10.68	21	8.68	Nov. 3	10.64
11	10.91						

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, well point. Highest water level 3.66 below lsd, May 2, 1951; lowest 10.19 below lsd, Mar. 6, 1951. Records available: 1950-53. Feb. 24, 9.97; Apr. 28, 5.44; July 9, 7.22; Sept. 10, 8.38; Nov. 4, 9.48.

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 6.28 below lsd, Jan. 3, 1953. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	6.28	Apr. 25	1.58	July 18	4.17	Oct. 10	5.57
17	6.20	29	1.51	25	4.36	17	5.63
31	6.17	May 2	1.37	Aug. 8	3.93	24	5.71
Feb. 7	6.20	9	1.46	15	4.20	31	5.76
14	6.20	23	2.16	22	4.44	Nov. 5	5.97
21	6.21	30	2.44	29	4.71	7	5.95
Mar. 7	6.22	June 6	2.89	Sept. 5	4.84	14	6.00
14	5.76	13	3.26	9	4.96	21	5.95
21	3.08	20	3.36	12	5.04	28	6.02
28	2.30	27	3.16	19	5.20	Dec. 5	6.06
Apr. 4	2.22	July 4	3.73	26	5.27	12	6.11
11	1.46	7	3.68	Oct. 3	5.47	19	6.13
18	1.61	11	4.02				

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: 1950-53. Feb. 24, 9.33; Apr. 29, 7.38; July 16, 7.95; Sept. 10, 8.52; Nov. 5, 9.12.

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 29.70 below lsd, Mar. 7, 1951. Records available. 1950-53. Feb. 26, 29.03; Apr. 27, 29.44; July 7, 28.03; Sept. 9, 28.40; Nov. 3, 28.75.

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 12.76 below lsd, Feb. 24, 1953. Records available: 1951-53. Feb. 24, 12.76; Apr. 29, 9.67; July 7, 10.25; Sept. 9, 10.89; Nov. 5, 10.78.

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 7.46 below lsd, Mar. 8, 1951. Records available: 1950-53. Feb. 24, 6.65; Apr. 29, 3.41; July 7, 4.23; Sept. 9, 4.50; Nov. 5, 6.47.

Pt 59. U. S. Geol. Survey. SW¼SW¼ 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 7.43 below lsd, Aug. 8, 1951; lowest 11.41 below lsd, Nov. 5, 1953. Records available: 1951-53. Feb. 24, 10.84; Apr. 29, 8.63; July 7, 9.20; Sept. 9, 10.52; Nov. 5, 11.41.

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: 1951-53. Feb. 25, 13.46; Apr. 27, 12.08; July 7, 12.98; Sept. 10, 13.60; Nov. 4, 13.85.

Pt 76. Fred Turner. Almond. SW¼NE¼ sec. 8, T. 21 N., R. 10 E. Dug domestic and 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 64.71 below lsd, Oct. 15, 1953. Records available: 1951-53. Feb. 26, 64.65; Apr. 27, 64.17; July 7, 64.10; Sept. 9, 64.62; Oct. 15, 64.71; Nov. 3, 64.67.

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: 1951-53. Feb. 25, 94.60; Apr. 27, 92.40; July 7, 92.22; Sept. 10, 92.73; Nov. 4, 93.53.

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 15.58 below lsd, Nov. 3, 1953. Records available: 1951-53. Feb. 26, 14.99; Apr. 27, 14.15; July 7, 14.66; Sept. 9, 15.30; Nov. 3, 15.58.

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 5.18 below lsd, Nov. 1, 1951; lowest 8.70 below lsd, Feb. 24, Nov. 5, 1953. Records available: 1951-53. Feb. 24, 8.70; Apr. 29, 5.37; July 7, 6.47; Sept. 9, 7.62; Nov. 5, 8.70.

Pt 82. Bordens Condensery. Junction City. NW¼SW¼ sec. 2, T. 24 N., R. 8 E. Drilled unused water-table well in pre-Cambrian granite, diameter 12 inches, reported depth 40 feet. Land-surface datum is 1,143 feet above msl. Highest water level 0.35 below lsd, Apr. 2, 1952; lowest 5.49 below lsd, Jan. 5, 1953. Records available: 1951 53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.48	4.73	4.35	1.75	1.57	4.06	2.47	3.85	3 95	4.50	4.75	4.09
2	4.43	4.74	4.35	1.78	1.52	3.96	2.57	3 75	3 88	4.51	4 75	4.49
3	5.25	4.75	4.34	1.78	1.53	3.72	2.77	3.64	3 85	4.51	4 78	4.48
4	4.98	4.76	4.31	1.63	1.60	3.57	2.77	3.20	3 88	4.51	4.84	4.12
5	5.49	4.73	....	1.67	1.65	3.49	2.57	2.98	3 92	4.51	4.84	3.75
6	5.30	4.75	....	1.71	1.70	3.48	2.94	2.97	3 97	4.51	4.85	3 57
7	5.22	4.73	....	1.77	1.76	3.47	3.03	2 93	4 02	4.59	4.86	3.40
8	5.20	4.76	....	1.79	1.82	3 45	3.03	2 93	4.07	4.58	4.86	3.42
9	5.19	4.78	....	1.72	1.87	3.30	3.23	2.98	4.13	4.52	4.86	3.43
10	5.13	4.78	....	1.07	1.91	3.28	3.35	3.03	4 14	4.79	4.86	3.45
11	5.05	4.71	....	1.11	1.95	3.32	3.40	3.08	4.14	4.75	4.87	3.52
12	5.04	4.67	....	1.27	2.04	3.37	3.45	3.15	4.16	4.75	4.88	3.54
13	4.98	4.64	....	1.38	2.12	3.43	3.50	3.22	4.18	4.76	4.88	3.59
14	4.98	4.62	....	1.43	2.16	3.50	3.49	3.30	4.21	4.76	4.88	3.64
15	4.93	4.62	....	1.35	2.20	3.55	4.65	3.37	4.24	4.75	4.88	3.72
16	4.64	4.63	....	1.20	2.25	3.59	4.60	3.43	4.26	4.75	4.90	3 78
17	4.49	4.70	....	1.35	2.30	3.63	4.25	3.49	4.28	4.74	5.46	3.78
18	4.38	4.73	....	1.45	2.36	3.64	4.05	3.53	4.30	4.75	5.39	3.80
19	4.37	4.73	....	1.53	2.40	3.18	3.86	3.58	4.30	5.24	5.28	4.45
20	4.39	4.66	....	1.60	2.66	3.11	4.74	3.64	4 28	5.15	5.15	4 33
21	4.39	4.60	....	1.62	2.57	3.05	4.65	3.69	4.25	5.00	4.78	4.25
22	4.40	4.59	....	1.70	2.57	3.13	4.34	3.73	4.27	4.92	4.60	4.23
23	4.40	4.59	....	1.78	2.61	3.19	4.16	3.78	4.27	4.81	4.48	4.24
24	5.19	4.55	....	2.65	2.63	3.22	4.09	4.33	4.27	4.79	4.42	4 25
25	5.03	....	1.51	2.26	2.63	3.22	4.05	4.30	4.27	4.76	4.39	4.27
26	4.88	4.35	1.57	1.65	2.67	2.57	4.02	4.20	4.25	4.74	4.40	4.27
27	4.78	4.30	1.60	1.61	2.73	2.60	4.35	4.16	4 25	4.73	4.44	4.28
28	4.72	4.33	1.63	1.64	2.78	2.42	4.33	4.15	4.27	4.71	4.46	4.29
29	4.70		1.68	1.67	2.78	2.32	4.13	4.14	4.30	4.76	4.46	4.32
30	4.70		1.71	1.67	2.84	2.40	3.95	4.15	4.38	4.70	4.48	4.35
31	4.72		1.73		2.92		3.90	4.15		4.73		4.37

Price County

Pr 6. Wisconsin Conservation Department. NE¼SW¼ sec. 24, T. 40 N., R. 1 E. Jetted unused water-table well in sand and gravel, diameter 6 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: 1937-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	-3.21	Apr. 11	-1.21	July 11	-0.83	Oct. 3	-2.31
10	3.36	18	1.40	18	.83	10	2.51
17	3.40	25	1.52	25	1.29	17	2.71
24	3.45	30	.95	31	1.36	24	2.85
31	3.52	May 1	.95	Aug. 1	1.36	31	2.93
Feb. 1	3.52	9	1.70	8	.03	Nov. 1	2.93
7	3.61	16	1.74	15	.90	7	3.13
14	3.92	23	.36	22	1.49	14	3.13
21	3.71	31	.71	29	.87	21	2.64
28	3.68	June 1	.71	31	1.05	28	2.40
Mar. 1	3.68	6	1.08	Sept. 1	1.05	30	2.49
7	3.74	13	-1.19	5	1.45	Dec. 1	2.49
14	3.24	20	+.19	12	1.82	5	1.64
21	2.12	27	-.81	19	2.04	12	2.80
28	1.54	30	.16	26	2.10	19	2.75
31	1.68	July 1	.16	30	2.25	26	2.75
Apr. 1	1.68	4	.23	Oct. 1	2.25	31	2.86
4	1.34						

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: 1946-53. Feb. 10, 13.10; Apr. 16, 12.79; June 11, 12.86; Aug. 13, 13.06; Oct. 22, 13.96.

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: 1946-53. Oct. 22, 46.24.

Ra 5. Chicago, Milwaukee, St. Paul & Pacific Railroad 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 136.85 below lsd, Oct. 22, 1953. Records available: 1946-53. Feb. 10, 134.10; Apr. 16, 134.23; June 10, 134.83; Aug. 12, 135.45; Oct. 22, 136.85.

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 71.54 below lsd, July 3, 1951. Records available: 1946-53. Feb. 17, 67.48; Apr. 13, 67.14; June 15, 67.72; Sept. 9, 69.80.

Ra 14. Kilbourn Club. SW¼SW¼ sec. 30, 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 182.80 below lsd, Sept. 9, 1953. Records available: 1950-53. Corrected measurements for 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 20, 1950	172.57	Jan. 24, 1951	171.89	Jan. 23, 1952	175.49	Nov. 10, 1952	178.32
May 11	170.46	May 22	174.11	Mar. 12	176.11	Feb. 17, 1953	178.89
July 25	170.42	Aug. 21	173.82	June 2	176.45	Apr. 13	179.16
Sept. 13	167.05	Oct. 23	175.41	Aug. 26	177.53	Sept. 9	182.80
Nov. 15	171.33	Dec. 12	172.82				

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 8.84 below lsd, Oct. 22, 1953. Records available: 1952-53. Feb. 10, 7.73; Apr. 16, 7.39; June 10, 8.59; Aug. 12, 6.83; Oct. 22, 8.84.

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: 1947-53. Feb. 11, 55.17; Apr. 16, 54.74; June 11, 55.40; Aug. 13, 55.58; Oct. 22, 56.08.

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 63.85 below lsd, Oct. 22, 1953. Records available: 1952-53. Feb. 11, 59.34; Apr. 16, 58.93; June 11, 59.40; Oct. 22, 63.85.

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: 1947-53. Apr. 22, 48.86; June 30, 49.31; Sept. 15, 48.70; Nov. 18, 48.65.

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: 1946-53.

Sk 1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	59.27	59.49	59.60	59.29	58.74	58.94	58.89	59.08	59.15	59.50	59.50	59.60
2	59.21	59.40	59.51	59.35	58.92	58.89	58.86	59.04	59.12	59.40	59.51	59.50
3	59.20	59.36	59.37	59.23	59.04	58.82	58.95	59.03	59.15	59.40	59.51	59.44
4	59.20	59.35	59.30	59.36	59.06	58.67	58.93	58.91	59.08	59.50	59.64	59.43
5	59.27	59.21	59.39	59.27	58.97	58.74	58.94	59.04	59.15	59.42	59.75	59.45
6	59.30	59.22	59.69	59.20	58.89	58.81	58.96	59.00	59.17	59.48	59.76	59.41
7	59.33	59.30	59.69	59.27	58.89	58.89	58.94	59.01	59.27	59.50	59.72	59.44
8	59.27	59.49	59.66	59.24	58.89	58.77	59.07	59.05	59.32	59.44	59.60	59.47
9	59.32	59.62	59.61	59.12	58.92	58.90	59.13	59.07	59.32	59.34	59.57	59.50
10	59.24	59.58	59.52	59.13	58.82	58.96	59.17	59.08	59.29	59.32	59.57	59.40
11	59.40	59.32	59.49	59.18	58.84	58.93	59.14	59.05	59.14	59.31	59.56	59.47
12	59.34	59.30	59.49	59.22	58.97	58.89	59.08	59.09	59.17	59.45	59.64	59.50
13	59.32	59.29	59.53	59.25	59.07	58.81	59.04	59.10	59.25	59.51	59.59	59.37
14	59.27	59.27	59.52	59.26	58.94	58.86	59.05	59.04	59.15	59.47	59.38	59.44
15	59.47	59.32	59.42	59.04	58.89	58.79	59.10	59.12	59.10	59.43	59.43	59.57
16	59.51	59.45	59.49	59.07	58.82	58.82	59.12	59.11	59.17	59.46	59.43	.....
17	59.47	59.48	59.44	59.12	58.74	58.84	59.10	59.20	59.20	59.43	59.42	.....
18	59.24	59.42	59.27	59.16	58.76	58.77	59.00	59.20	59.16	59.40	59.41	.....
19	59.26	59.42	59.33	59.17	58.74	58.72	59.02	59.21	59.17	59.39	59.40	.....
20	59.30	59.20	59.32	59.16	58.79	58.83	59.06	59.23	59.20	59.43	59.36	.....
21	59.28	59.55	59.29	59.07	58.74	58.93	59.05	59.24	59.42	59.45	59.42	.....
22	59.30	59.52	59.34	58.98	58.80	58.96	59.06	59.24	59.46	59.49	59.42	.....
23	59.22	59.54	59.34	59.08	58.88	59.03	59.09	59.19	59.45	59.41	59.26	.....
24	59.30	59.49	55.39	59.06	58.92	58.89	59.19	59.15	59.33	59.42	59.17	.....
25	59.45	59.44	59.55	58.79	58.67	58.87	59.10	59.14	59.25	59.43	59.27	.....
26	59.37	59.17	59.54	58.95	58.92	59.00	59.20	59.13	59.27	59.37	59.34	.....
27	59.34	59.44	59.47	59.00	59.04	59.03	59.19	59.15	59.20	59.40	59.57	.....
28	59.35	59.57	59.41	59.01	59.03	59.01	59.11	59.12	59.20	59.37	59.52	.....
29	59.36		59.56	58.97	58.83	59.01	59.08	59.06	59.27	59.47	59.54	.....
30	59.32		59.53	58.77	58.65	58.94	59.15	59.08	59.44	59.45	59.60	.....
31	59.47		59.31		58.82		59.15	59.12		59.39		.....

Sk 6. A. W. Rohn, Baraboo Iron Works. $SE\frac{1}{4}SW\frac{1}{4}$ 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: 1946-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	+5.79	Apr. 4	+4.84	July 3	+4.28	Sept. 25	+4.29
10	4.94	12	5.05	12	4.21	Oct. 4	4.18
17	4.82	17	4.96	18	4.35	9	3.74
22	4.86	25	4.69	25	4.27	24	4.13
30	4.79	May 1	5.03	31	4.99	29	4.21
Feb. 6	4.55	8	4.96	Aug. 7	4.48	Nov. 14	3.91
11	4.85	16	4.84	15	4.21	20	3.91
20	4.61	23	4.48	21	4.31	28	3.87
27	+4.65	28	4.59	29	4.07	Dec. 4	3.96
Mar. 7	-.94	June 6	4.21	Sept. 6	3.98	11	4.06
14	+.06	13	4.62	12	4.96	18	3.94
20	4.84	20	4.43	19	4.01	26	2.81
28	5.22	27	4.25				

Sk 9. Wisconsin Creamery Co. $NW\frac{1}{4}SE\frac{1}{4}$ 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. No measurement made in 1953.

Sk 11. Wilbur S. Grant. $SW\frac{1}{4}NE\frac{1}{4}$ 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: 1948-53. Feb. 26, 82.19; Apr. 23, 82.10; July 2, 82.06; Sept. 17, 82.13; Nov. 17, 82.40.

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 1953.

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 1953.

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 15.16 below lsd, Apr. 21, 1951; lowest 17.31 below lsd, Oct. 23, 1948. Records available: 1937-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	16.87	Apr. 4	16.22	July 4	15.57	Oct. 10	16.69
10	16.89	11	16.07	11	15.79	17	16.74
17	16.91	18	16.08	18	15.91	24	16.79
24	16.91	25	16.17	25	16.08	31	16.89
31	16.92	May 2	16.12	Aug. 8	16.10	Nov. 7	16.86
Feb. 7	16.93	9	16.19	15	16.07	14	16.90
14	16.93	16	16.29	22	16.21	21	16.82
21	16.94	23	16.11	29	16.23	28	16.81
28	16.95	30	15.89	Sept. 5	16.33	Dec. 5	16.77
Mar. 7	16.95	June 6	15.88	12	16.42	11	16.73
14	16.85	13	16.03	19	16.51	18	16.78
21	16.85	20	16.07	26	16.58	29	16.79
28	15.61	27	15.78	Oct. 3	16.64		

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 63.52 below lsd, Feb. 7, 1951. Records available: 1947-53. Jan. 28, 60.56; Apr. 9, 57.35; June 5, 56.42; Aug. 6, 58.17; Oct. 15, 60.70.

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: 1947-53. Jan. 28, 50.74; Apr. 9, 45.90; June 5, 38.81; Aug. 6, 45.52; Oct. 15, 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: 1947-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.72	13.03	13.26	.....	4.20	.....	8.80	10.21	11.15	12.14	12.68	13.03
2	12.72	13.02	13.25	.....	4.22	.....	8.84	10.22	11.17	12.15	12.68	13.03
3	12.72	13.02	13.20	.....	4.20	.....	8.95	10.21	11.20	12.15	12.72	13.03
4	12.72	13.03	13.15	.....	4.20	.....	8.98	10.21	11.25	12.22	12.77	13.03
5	12.75	13.01	13.22	.....	4.20	7.15	9.07	10.19	11.30	12.26	12.78	13.06
6	12.78	13.00	13.28	.....	4.23	7.30	9.11	10.23	11.35	12.25	12.80	13.06
7	12.79	13.05	13.30	.....	4.28	7.34	9.16	10.24	11.40	12.30	12.80	13.08
8	12.79	13.09	13.29	.....	4.41	7.36	9.26	10.28	11.44	12.30	12.78	13.11
9	12.79	13.13	13.28	5.95	4.49	7.57	9.35	10.32	11.46	12.30	12.78	13.12
10	12.79	13.11	13.28	5.88	4.57	7.64	9.40	10.34	11.48	12.33	12.80	13.12
11	12.80	13.06	13.28	4.70	4.72	7.65	9.43	10.35	11.47	12.31	12.84	13.14
12	12.80	13.00	13.28	4.33	4.91	7.73	9.43	10.38	11.50	12.36	12.85	13.14
13	12.81	13.02	13.29	4.35	5.01	7.79	9.51	10.40	11.52	12.39	12.85	13.14
14	12.81	13.05	13.30	4.42	5.08	7.87	9.57	10.46	11.55	12.40	12.85	13.14
15	12.84	13.11	13.24	4.42	5.18	7.90	9.65	10.51	11.56	12.45	12.85	13.18
16	12.87	13.13	13.17	4.36	5.26	7.93	9.73	10.57	11.60	12.46	12.85	13.22
17	12.87	13.16	13.17	4.55	5.32	8.06	9.78	10.60	11.63	12.48	12.86	13.23
18	12.80	13.16	13.10	4.58	5.46	8.11	9.77	10.63	11.66	12.49	12.88	13.23
19	12.84	13.17	12.95	4.57	5.56	8.13	9.79	10.65	11.70	12.53	12.90	13.20
20	12.87	13.15	12.80	4.44	5.62	8.20	9.84	10.70	11.73	12.55	12.90	13.18

Sh 3--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	12.87	13.18	12.46	4.31	5.82	8.33	9.90	10.74	11.83	12.58	12.92	13.20
22	12.88	13.18	.....	4.24	5.91	8.42	9.92	10.77	11.89	12.58	12.92	13.25
23	12.88	13.21	.....	4.22	6.02	8.50	9.97	10.80	11.92	12.56	12.91	13.26
24	12.88	13.20	.....	4.31	6.08	8.50	10.06	10.83	11.92	12.58	12.89	13.25
25	12.92	13.19	.....	4.31	6.12	8.51	10.07	10.86	11.91	12.58	12.93	13.20
26	12.92	13.12	.....	4.25	6.33	8.63	10.10	10.89	11.94	12.60	12.96	13.25
27	12.88	13.19	.....	4.28	6.43	8.67	10.16	10.95	11.95	12.60	13.00	13.26
28	12.95	13.23	.....	4.35	6.47	8.74	10.18	10.98	11.97	12.61	13.03	13.26
29	12.98		.....	4.39	6.47	8.83	10.17	11.02	12.02	12.63	13.02	13.30
30	12.97		.....	4.35	.....	8.82	10.17	11.08	12.09	12.63	13.03	13.30
31	12.99		.....		.....		10.20	11.13		12.67		13.31

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: 1947-53. Jan. 29, 7.51; Apr. 9, 5.12; June 5, 5.39; Aug. 6, 6.46; Oct. 15, 8.09.

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: 1948-53. Jan. 28, 17.93; Apr. 9, 12.99; June 5, 12.96; Aug. 6, 14.33; Oct. 15, 17.98.

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 135.99 below lsd, Apr. 22, 1953; lowest 142.39 below lsd, Sept. 28, 1949. Records available: 1947-53. Feb. 25, 139.93; Apr. 22, 135.99; June 30, 137.33; Sept. 15, 136.98; Nov. 18, 138.63.

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: 1934-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	48.24	Apr. 23	48.21	July 23	47.50	Oct. 28	47.19
Feb. 23	48.26	May 26	48.21	Aug. 26	47.19	Nov. 23	47.18
Mar. 24	48.23	June 26	48.22	Sept. 28	47.19	Dec. 18	48.23

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 45.67 below lsd, Sept. 14, 1953; lowest 49.39 below lsd, Apr. 8, 1942. Records available: 1934-53. Feb. 24, 46.53; Apr. 21, 46.56; June 29, 46.34; Sept. 14. 45.67; Nov. 17, 45.74.

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 7.88 below lsd, Aug. 2, 1941. Records available: 1935-53. Feb. 24, 7.39; Apr. 21, 6.69; June 29, 7.23; Sept. 14, 7.51; Nov. 17, 7.50.

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: 1948-53.

Jan. 3	11.14	Apr. 4	10.72	July 4	9.38	Oct. 3	10.96
10	11.18	11	10.79	11	9.40	10	10.93
17	11.22	18	10.79	18	9.26	17	10.99
24	11.26	25	10.88	25	9.82	24	11.02
31	11.22	May 2	10.89	Aug. 1	10.00	31	11.04
Feb. 7	11.21	9	10.99	8	10.01	Nov. 7	11.18
14	11.12	16	11.15	15	10.04	14	11.19
21	11.11	23	11.00	22	10.02	21	11.02
28	11.00	30	10.89	29	10.53	28	11.02
Mar. 7	11.07	June 6	11.00	Sept. 5	10.61	Dec. 5	10.76
14	11.04	13	11.04	12	10.68	12	10.78
21	11.02	20	10.69	19	10.92	19	10.88
28	10.82	27	9.72	26	11.01	26	11.12

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 12.56 below lsd, Dec. 3, 1951; lowest 16.86 below lsd, Mar. 21, 1949. Records available: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	13.91	Apr. 6	13.72	July 8	13.30	Oct. 6	12.89
12	13.92	13	13.78	15	13.20	13	12.94
19	14.00	20	13.81	22	13.13	20	13.00
27	14.06	28	13.86	27	13.08	26	13.04
Feb. 2	14.11	May 4	13.89	Aug. 4	12.98	Nov. 3	13.14
10	14.16	11	13.88	11	12.87	10	13.19
16	14.21	18	13.93	17	12.77	16	13.75
24	14.26	25	13.92	25	12.66	24	13.30
Mar. 4	14.27	June 1	13.97	Sept. 1	12.64	30	13.40
10	14.37	9	13.96	9	12.65	Dec. 7	13.35
16	14.39	15	13.91	16	12.65	14	13.48
23	13.71	22	13.65	23	12.74	21	13.55
30	13.63	29	13.47	29	12.74	29	13.62

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 28.97 below lsd, Oct. 22, 1953. Records available: 1946-53. Apr. 16, 26.94; Aug. 13, 28.53; Oct. 22, 28.97.

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: 1946-53. Feb. 11, 50.00; Apr. 16, 48.20; June 11, 49.20; Aug. 13, 51.44; Oct. 22, 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: 1947-53. Feb. 11, 74.03; Apr. 16, 74.07; June 11, 74.33; Aug. 13, 74.59.

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 251.94 below lsd, Feb. 10, 1953; lowest 262.69 below lsd, Dec. 11, 1952. Records available: 1952-53. Feb. 10, 251.94; Apr. 17, 252.11; June 11, 252.23; Aug. 13, 254.95; Oct. 23, 254.88.

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: 1948-53.

Jan. 5	5.00	Apr. 6	4.57	July 7	3.89	Oct. 5	4.54
12	5.03	13	4.48	13	3.79	12	4.66
19	5.05	20	4.51	20	4.28	19	4.55
26	5.05	27	4.44	27	4.35	26	4.60
Feb. 2	5.12	May 4	4.50	Aug. 3	3.49	Nov. 2	4.60
9	5.27	11	4.67	10	2.83	9	4.64
16	5.25	18	6.20	17	3.45	16	4.79
24	5.27	25	3.62	24	3.92	23	4.30
Mar. 3	5.07	June 1	3.80	31	4.05	30	4.40
9	5.32	8	3.96	Sept. 7	4.23	Dec. 7	4.63
16	5.08	15	4.22	14	4.34	14	4.68
23	4.66	23	3.55	21	4.30	21	4.77
30	4.58	29	3.52	28	4.47	28	4.75

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: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	42.73	40.70	37.80	38.90	36.17	37.85	39.20	39.90	42.30	41.82	42.31	44.00
2	42.60	40.65	37.10	38.32	36.12	.....	39.33	38.95	42.30	42.35	43.04	42.40
3	43.22	39.95	36.60	39.03	36.03	.....	39.95	39.05	42.50	42.46	42.75	41.80
4	41.38	40.15	37.75	38.92	35.91	.....	40.09	39.10	41.40	41.87	42.06	41.33
5	42.70	39.20	37.21	38.95	36.09	.....	40.10	38.04	40.97	43.18	43.13	41.77
6	41.50	39.63	38.16	38.14	36.40	.....	39.72	38.72	41.39	43.33	43.45	41.85
7	.....	38.35	38.20	39.09	36.40	.....	39.85	39.31	41.75	42.92	42.80	41.55
8	.....	37.75	36.81	38.60	36.18	.....	39.87	39.36	41.75	42.64	42.88	40.45
9	.....	38.95	37.70	38.41	36.38	37.64	39.82	39.61	42.25	42.64	41.63	41.10
10	.....	40.00	36.86	37.90	36.63	38.91	39.75	39.69	42.35	42.63	43.08	40.95
11	.....	39.21	37.49	37.66	36.71	38.79	40.05	38.40	42.31	42.05	42.80	42.01
12	.....	38.10	37.21	37.63	36.81	38.83	40.25	38.87	42.37	42.47	43.38	42.02
13	41.57	38.80	37.37	37.81	37.31	38.86	40.35	38.77	41.54	42.13	43.56	40.83
14	41.50	38.84	37.47	37.81	37.47	39.11	40.52	38.82	42.18	42.25	42.63	41.81
15	41.83	39.00	36.95	37.20	37.49	39.72	40.55	38.62	42.70	42.24	42.28	41.25
16	42.77	38.70	35.84	36.96	37.03	40.04	41.39	38.80	42.82	43.26	42.81	40.50
17	42.77	39.54	36.90	37.01	36.80	40.08	41.50	39.15	43.30	43.30	42.07	41.05
18	40.26	39.36	36.17	36.80	36.96	39.33	40.82	38.80	43.12	42.50	41.27	41.45
19	39.87	38.95	35.07	36.90	36.82	38.91	40.83	38.89	42.64	41.31	42.90	40.69
20	42.04	38.25	36.78	36.92	36.87	38.71	41.19	39.31	42.08	42.69	42.59	40.69
21	42.13	38.01	36.82	36.90	36.86	39.03	41.21	40.34	41.73	42.79	41.54	41.95
22	39.85	38.00	36.10	36.90	36.93	39.12	40.81	40.36	41.03	42.56	41.82	41.37
23	41.57	38.28	36.93	36.54	36.80	39.35	40.88	39.80	41.34	42.19	44.27	42.37
24	41.57	38.20	36.00	36.39	36.70	39.50	40.89	40.37	41.76	42.89	44.15	43.45
25	39.61	37.78	36.60	36.40	36.82	39.51	40.65	40.53	41.23	43.09	43.10	43.81
26	39.18	37.02	36.65	36.65	36.90	39.21	40.70	41.03	41.43	43.15	43.10	44.13
27	41.25	37.78	36.53	36.44	37.50	39.21	40.71	41.21	41.55	42.75	43.75	44.19
28	41.32	37.91	36.79	36.78	37.50	38.85	40.22	41.39	42.23	41.98	43.06	43.87
29	39.30		36.60	36.80	37.44	39.28	40.09	41.70	41.68	43.20	41.99	43.47
30	40.18		36.60	36.68	37.52	39.31	40.11	41.51	42.23	43.35	43.99	42.38
31	40.95		36.69		37.85		39.90	41.98		42.55		43.30

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: 1946-53. Feb. 9, 14.93; Apr. 14, 13.27; June 9, 15.50; Aug. 11, 16.24; Oct. 19, 15.15.

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 64.88 below lsd, May 4, 1951; lowest 85.34 below lsd, Sept. 3, 1948. Records available: 1946-53. Feb. 16, 65.71; Mar. 30, 64.28; June 1, 66.14; Sept. 2, 73.16; Nov. 2, 69.40.

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 317.45 below lsd, July 18, 1953. Records available: 1946-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	307.22	307.81	307.41	307.86	305.94	.....	313.88	315.25	314.97	314.90	313.05	310.00
2	306.79	307.00	306.00	307.68	305.86	.....	314.92	314.60	315.60	315.25	311.52	308.52
3	308.00	307.50	306.98	307.68	305.65	.....	315.31	313.32	315.73	315.00	312.75	305.03
4	306.01	308.70	307.06	307.57	305.03	.....	315.45	313.74	316.01	313.50	312.97	303.34
5	306.60	307.78	307.33	305.11	305.22	.....	315.10	313.93	315.53	313.15	314.10	303.33
6	308.00	307.90	307.44	304.88	306.37	.....	313.80	313.93	.....	313.58	314.10	302.35
7	307.76	309.03	308.36	306.46	306.24	.....	314.20	313.75	.....	313.79	314.10	301.99
8	308.30	306.70	305.97	306.42	306.46	.....	314.80	313.80	312.32	314.34	312.84	301.65
9	309.44	306.93	305.61	306.42	307.36	309.24	315.10	312.94	313.54	314.60	311.32	301.53
10	308.38	308.39	306.97	.....	305.00	309.43	315.50	311.90	313.97	314.23	311.60	301.58

Wk 14--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	307.52	308.12	307.10	.....	305.40	309.67	315.60	312.16	314.07	313.03	313.13	301.95
12	307.13	308.38	307.25	.....	306.90	.....	314.95	312.45	313.95	313.14	313.00	301.95
13	306.68	309.00	308.26	305.70	307.29	.....	314.63	313.25	311.91	313.81	312.95	301.72
14	308.85	306.95	306.07	305.72	307.12	.....	315.20	313.64	312.22	314.11	313.24	304.70
15	309.10	306.84	306.00	305.40	308.47	309.97	316.00	313.75	312.90	314.72	310.35	309.20
16	309.60	306.30	305.61	306.82	307.90	310.46	316.82	312.91	313.90	314.73	311.42	310.50
17	308.37	306.11	305.78	306.53	307.20	311.01	317.43	312.70	314.40	314.10	311.63	310.50
18	308.50	307.21	306.00	306.00	307.25	310.89	317.45	313.00	314.90	311.99	312.02	308.75
19	308.17	307.46	306.68	305.50	307.92	311.42	316.72	313.63	314.88	312.78	312.23	310.23
20	308.23	307.89	307.06	304.98	307.23	311.82	315.67	313.75	312.18	313.78	313.04	307.17
21	308.75	.....	306.72	305.04	308.47	311.95	315.52	314.10	312.78	314.64	312.60	308.77
22	308.86	.....	306.74	305.76	.....	311.50	315.70	314.09	312.70	314.92	312.22	311.13
23	309.56	307.51	306.70	305.87	.....	312.93	316.50	313.31	314.01	314.97	310.73	311.60
24	308.89	307.38	307.15	306.85	.....	313.33	316.55	313.05	314.40	315.01	311.41	311.60
25	308.55	307.38	307.50	305.62	.....	313.68	316.37	313.80	314.73	314.00	311.93	311.30
26	308.06	307.81	308.40	304.75	.....	314.08	315.97	314.34	314.19	312.03	311.93	310.00
27	308.00	307.82	307.65	305.35	.....	314.20	314.66	315.11	312.37	312.35	309.95	310.00
28	308.45	307.82	307.65	305.68	.....	312.22	314.76	315.57	312.51	312.87	309.07	309.43
29	309.52		307.20	305.63	.....	312.32	314.84	315.71	313.39	313.38	309.68	310.74
30	307.80		306.40	306.56	.....	312.92	315.69	315.14	314.49	313.61	309.77	310.86
31	307.50		306.52		.....		315.75	313.99		313.69		312.20

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 341.35 below lsd, Sept. 8, 1953. Records available: 1946-47, 1950, 1952-53. Feb. 16, 333.26; Apr. 13, 332.60; June 15, 334.88; Sept. 8, 341.35.

Wk 20. C. W. Aepler. 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 806 feet above msl. Highest water level 25.70 below lsd, July 3, 1947; lowest 32.56 below lsd, Aug. 25, 1948. Records available: 1946-53. Feb. 9, 28.65; Apr. 14, 28.61; June 8, 31.20; Aug. 11, 31.13; Oct. 13, 29.72.

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: 1946-53. Feb. 18, 26.38; Mar. 30, 26.25; June 1, 26.72; Sept. 2, 29.83; Nov. 3, 27.51.

Wk 39. 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 78.50 below lsd, June 3, 1952. Records available: 1946-53. Mar. 3, 72.46; Apr. 27, 72.27; June 29, 72.80; Sept. 14, 73.78; Nov. 16, 68.83.

Wk 51. 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 1947-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	130.55	.....	130.75	130.50	130.59	130.80	131.13	131.45	131.61	132.11	.....	132.57
2	.....	130.85	130.70	130.58	130.62	130.78	131.11	131.37	131.66	132.07	.....	132.47
3	.....	130.87	130.62	130.53	130.69	130.75	131.14	131.29	.....	132.09	132.37	132.50
4	.....	130.88	130.55	130.56	130.76	130.66	131.16	131.26	.....	132.15	132.43	132.48
5	130.55	130.86	130.67	130.58	130.69	130.62	131.13	131.35	.....	132.20	132.45	.....
6	130.57	130.82	130.77	130.58	130.60	130.68	131.15	131.29	.....	132.22	132.44	.....
7	130.59	130.86	130.77	130.59	.....	130.72	131.21	131.31	.....	132.13	132.39	.....
8	130.57	130.95	130.75	130.59	.....	130.65	131.23	131.25	.....	132.11	132.32	.....
9	130.61	131.04	130.58	130.54	130.59	130.75	131.29	131.29	.....	132.21	132.35	.....
10	130.58	.....	130.67	130.57	.....	130.79	131.31	131.29	.....	132.30	132.34	.....
11	130.67	130.92	130.65	130.62	130.60	130.90	131.30	131.28	.....	132.30	132.54	.....
12	130.67	130.80	130.65	130.62	130.59	130.80	131.27	131.31	.....	132.28	132.55	.....
13	130.68	130.81	130.67	130.66	130.67	130.80	131.33	131.31	.....	132.24	132.46	.....
14	130.68	130.78	130.67	130.69	130.62	130.81	131.38	131.31	.....	132.26	132.40	.....
15	130.70	130.80	130.56	130.61	130.59	130.86	131.43	131.35	.....	132.25	132.37	.....

Wk 31--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	130.80	130.85	130.62	130.60	.....	130.77	131.43	131.39	.....	132.18	132.36	.....
17	130.79	130.89	.....	130.62	.....	130.85	131.40	131.43	.....	132.23	132.38	.....
18	130.61	130.87	.....	130.64	.....	130.84	131.28	131.41	.....	132.22	132.41	.....
19	130.64	130.85	.....	130.66	130.52	130.80	131.33	131.41	.....	132.21	132.40	.....
20	130.70	130.78	.....	130.66	130.52	130.84	131.32	131.48	131.84	132.19	132.35	.....
21	130.72	.....	.....	130.68	130.54	131.00	131.34	131.49	131.78	132.22	132.49	.....
22	130.73	.....	.....	130.62	130.58	131.01	131.40	131.49	131.75	132.26	.....	.....
23	130.71	.....	.....	130.71	130.64	131.17	131.47	131.46	131.88	132.24	.....	.....
24	130.69	130.80	130.52	130.71	130.64	131.06	131.48	131.46	131.95	132.23	.....	.....
25	130.81	130.73	130.62	130.59	130.58	130.95	131.48	131.49	131.94	132.22	.....	.....
26	130.81	130.56	130.61	130.63	130.64	131.08	131.47	131.56	131.93	132.25	.....	.....
27	130.76	130.65	130.56	130.68	130.71	131.08	131.47	131.57	131.87	132.25	.....	.....
28	130.77	130.73	130.51	130.80	130.72	131.06	131.44	131.55	131.90	132.27	.....	132.62
29	.....		130.57	130.73	130.68	131.19	131.43	131.55	131.95	132.28	.....	132.71
30	.....		130.57	130.65	130.56	131.17	131.51	131.60	132.06	.....	.....	132.74
31	.....		130.52		130.62		131.49	131.59		.....		132.74

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 47.84 below lsd, Feb. 6, 1950. Records available: 1947-53. Feb. 10, 45.47; Apr. 17, 45.27; June 9, 45.31; Aug. 12, 45.93; Oct. 23, 47.06.

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 38.93 below lsd, Dec. 5, 1949. Records available: 1947-53. Feb. 10, 34.60; Apr. 17, 34.49; June 9, 34.82; Aug. 12, 36.07; Oct. 23, 37.05.

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: 1952-53. Mar. 2, 9.95; Apr. 27, 9.73; June 22, 9.23; Sept. 8, 12.57; Nov. 16, 14.75.

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 34.64 below lsd, Sept. 28, 1950. Records available: 1950-53. Feb. 16, 28.14; Mar. 30, 27.86; June 15, 32.34; Sept. 2, 34.10; Nov. 3, 33.98.

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 15.23 below lsd, Mar. 6, 1952. Records available: 1950-53. Oct. 18, 14.55; Dec. 19, 14.72.

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 18 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. Mar. 3, 10.51.

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: 1949-53. Feb. 24, 54.45; Apr. 27, 54.21; July 9, 54.24; Sept. 10, 54.20; Nov. 3, 54.58.

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 14.61 below lsd, Mar. 5, 1951. Records available: 1950-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	13.55	Feb. 16	13.84	Mar. 30	12.17	May 11	10.74
12	13.56	23	14.00	Apr. 6	12.27	18	10.60
19	13.53	Mar. 2	13.96	13	11.83	25	10.59
26	13.57	9	14.06	20	11.48	June 1	10.74
Feb. 2	13.65	16	13.68	27	11.24	8	10.73
9	13.75	23	12.49	May 4	11.22	15	10.92

Ws 7--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 22	11.02	Aug. 10	11.55	Sept. 28	12.24	Nov. 16	13.06
29	10.95	17	11.60	Oct. 5	12.34	23	13.19
July 6	11.10	24	11.66	12	12.48	30	13.13
13	11.16	31	11.76	19	12.52	Dec. 7	13.40
20	11.27	Sept. 8	11.90	26	12.69	14	13.54
27	11.40	15	11.99	Nov. 2	12.85	21	13.62
Aug. 3	11.46	21	12.14	9	12.98	28	13.73

Ws 8. University of Wisconsin Experiment Farm. Hancock. NE¼NW¼ sec. 15, T. 19 N., R. 8 E. Jetted unused well in sand and gravel, diameter 4 inches, depth 18 feet. Highest water level 7.14 below lsd, May 11, 1952; lowest 10.48 below lsd, Mar. 8, 1953. Records available: 1951-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.69	10.07	10.33	8.98	8.71	8.99	8.39	8.78	9.69	9.40	9.79	10.08
2	9.70	10.09	10.33	8.99	8.71	8.88	9.12	8.78	9.10	10.08	9.80	10.08
3	9.70	10.10	10.37	8.99	8.72	8.97	9.20	8.78	9.69	9.46	9.81	10.09
4	9.71	.....	10.39	9.00	8.72	8.96	8.70	8.78	9.12	9.45	9.83	10.10
5	9.73	.....	10.41	9.00	8.64	8.23	8.70	8.79	9.12	9.45	9.84	10.11
6	.....	10.12	10.43	9.03	8.64	8.22	9.12	8.79	9.13	9.49	9.84	10.13
7	.....	10.13	10.45	9.03	8.60	8.22	9.21	8.80	9.15	9.49	9.85	10.15
8	.....	10.15	10.48	9.04	8.58	8.22	9.32	8.79	9.16	9.50	9.86	10.17
9	.....	10.17	10.42	9.04	8.54	8.20	9.31	8.80	9.18	9.51	9.90	10.18
10	.....	10.17	10.43	9.03	8.51	8.21	9.61	8.80	9.18	9.54	9.91	10.19
11	.....	10.17	10.44	9.03	8.48	8.21	9.60	8.80	9.61	9.57	9.92	10.20
12	.....	10.19	10.44	9.04	8.46	9.02	9.50	9.51	9.20	9.58	9.85	10.21
13	.....	10.20	10.39	9.01	8.41	8.25	9.38	8.86	9.18	9.60	9.86	10.23
14	.....	.....	10.23	9.00	8.40	8.22	9.31	8.87	9.19	9.60	9.87	10.26
15	.....	.....	10.11	8.98	8.38	9.09	8.69	8.81	9.20	9.61	9.88	10.29
16	.....	.....	10.02	8.92	8.35	9.20	9.50	8.85	9.22	9.62	9.88	10.29
17	.....	.....	9.97	8.92	8.32	.....	9.60	9.63	9.23	9.64	9.89	10.25
18	.....	.....	9.87	8.91	8.30	8.27	8.23	9.80	9.24	9.65	9.90	10.26
19	.....	.....	9.80	8.90	8.81	8.27	8.17	9.85	9.24	9.68	9.90	10.28
20	.....	.....	9.72	8.90	8.93	8.27	8.17	9.80	9.26	9.68	9.91	10.30
21	.....	.....	9.58	8.86	8.90	8.30	9.63	9.81	9.29	9.70	9.94	10.30
22	.....	.....	9.26	8.84	8.95	8.30	9.50	8.99	10.08	9.70	9.95	10.32
23	.....	.....	9.11	8.83	8.26	8.32	9.68	8.98	9.33	9.71	9.95	10.37
24	.....	10.28	9.05	8.83	8.20	8.32	9.68	9.72	10.00	9.71	9.97	10.37
25	.....	10.28	9.00	8.81	8.20	8.33	8.84	9.64	9.35	9.72	9.99	10.38
26	.....	10.29	8.99	8.80	.....	8.35	8.76	9.70	9.35	9.74	10.00	10.40
27	10.00	10.30	8.98	8.73	8.20	8.36	9.72	9.90	9.33	9.75	10.02	10.41
28	10.01	10.31	8.99	8.74	8.20	8.37	9.65	9.81	9.36	9.77	10.04	10.42
29	10.02		9.01	8.74	8.14	8.37	9.50	9.07	9.40	9.78	10.05	10.45
30	10.03		9.01	8.72	8.14	8.38	8.83	9.07	9.40	9.79	10.07	10.46
31	10.06		8.98		8.13		8.80	9.85		9.80		10.41

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 18 feet. Highest water level 15.03 below lsd, May 14, 1952; lowest 18.17 below lsd, Dec. 30, 1953. Records available: 1951-53.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.31	.....	.....	16.86	16.54	15.93	16.10	16.40	16.66	16.99	17.36	17.81
2	17.31	.....	.....	.....	16.53	15.94	16.09	16.40	16.67	17.02	17.40	17.82
3	17.31	.....	.....	.....	16.53	15.93	16.12	16.40	16.69	17.03	17.41	17.82
4	17.36	.....	.....	.....	16.52	15.89	16.12	16.41	16.70	17.04	17.43	17.84
5	.....	.....	.....	.....	16.47	15.89	16.13	16.43	16.71	17.04	17.45	17.86
6	.....	.....	.....	16.80	16.47	15.91	16.13	16.43	16.73	17.06	17.46	17.87
7	.....	.....	.....	16.79	16.45	15.92	16.14	16.45	16.74	17.07	17.46	17.89
8	.....	.....	.....	16.79	16.43	15.92	16.16	16.45	16.76	17.07	17.47	17.90
9	.....	.....	.....	16.79	16.40	15.95	16.18	16.45	16.77	17.09	17.49	17.91
10	.....	.....	.....	16.78	16.40	15.95	16.22	16.46	16.77	17.12	17.49	17.92
11	.....	.....	18.05	16.79	16.35	15.95	16.22	16.47	16.77	17.13	17.49	17.94
12	.....	.....	18.05	16.79	16.33	15.95	16.22	16.48	16.79	17.14	17.59	17.94
13	.....	.....	18.05	16.79	16.30	15.95	16.22	16.49	16.81	17.15	17.59	17.95
14	.....	.....	17.97	16.78	16.28	15.95	16.33	16.51	16.81	17.16	17.60	17.97
15	.....	.....	17.86	16.76	16.25	15.95	16.24	16.51	16.82	17.17	17.60	17.99

Ws 9--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	.....	.....	17.80	16.74	16.23	15.95	16.25	16.52	16.84	17.18	17.62	18.01
17	.....	.....	17.74	16.74	16.19	.....	16.27	16.53	16.84	17.23	17.63	18.01
18	.....	.....	17.68	16.73	16.17	15.96	16.27	16.53	16.85	17.23	17.64	18.01
19	.....	.....	.....	16.72	16.13	15.97	16.28	16.54	16.86	17.23	17.65	18.01
20	.....	.....	.....	16.71	16.07	15.99	16.29	16.55	16.87	17.23	17.65	18.01
21	.....	.....	.....	16.67	16.07	15.99	16.29	16.56	16.91	17.24	17.67	18.05
22	.....	.....	.....	16.65	16.05	16.03	16.30	16.58	16.93	17.25	17.67	18.06
23	.....	.....	.....	16.63	16.04	16.05	16.31	16.58	16.93	17.26	17.69	18.08
24	.....	.....	.....	16.63	16.03	16.05	16.35	16.59	16.93	17.27	17.71	18.09
25	.....	.....	16.92	16.60	16.02	16.03	16.35	16.60	16.93	17.32	17.72	18.09
26	.....	.....	16.91	16.58	16.00	16.07	16.35	16.61	16.95	17.32	17.73	18.11
27	.....	.....	16.89	16.57	15.97	16.07	16.36	16.62	16.97	17.32	17.76	18.11
28	.....	.....	16.87	16.59	15.97	16.09	16.36	16.62	16.98	17.32	17.77	18.12
29	.....		16.87	16.58	15.97	16.10	16.37	16.64	16.98	17.33	17.78	18.14
30	.....		16.86	16.56	15.95	16.10	16.39	16.65	16.99	17.34	17.80	18.17
31	.....		16.86		15.93		16.41	16.66		17.35		18.16

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 64.67 below lsd, Oct. 13, 1948. Records available: 1946-53. Jan. 29, 51.78; Apr. 9, 50.74; June 5, 52.08; Aug. 7, 48.58; Oct. 16, 52.58.

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 35.70 below lsd, Aug. 7, 1953. Records available: 1950-53. Jan. 29, 33.60; Apr. 10, 31.03; June 5, 34.56; Aug. 7, 35.70; Oct. 16, 34.63.

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 49.56 below lsd, Oct. 16, 1953. Records available: 1952-53. Jan. 29, 49.14; Apr. 9, 40.95; June 5, 47.20; July 29, 39.06; Aug. 7, 39.39; Oct. 16, 49.56.

Wood County

Wd 1. City of Wisconsin Rapids. SE¼NW¼ sec. 16, T. 22 N., R. 6 E. Drilled public-supply well, diameter 10 inches, depth 25 feet, cased to 15. Land-surface datum is 1,001.80 feet above msl. Highest water level 2.10 below lsd, July 8, 1951; lowest 6.73 below lsd, Mar. 6-7, 1953. Records available: 1950, 1952-53. Measurement discontinued.

Lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	Day	Jan.	Feb.	Mar.	Apr.	May
1	6.43	....	6.71	4.44	3.75	17	6.50	....	6.41	3.99	....
2	6.42	....	....	4.45	3.75	18	6.48	....	6.30	4.02	....
3	6.44	....	....	4.41	3.70	19	6.49	6.65	6.09	4.08	....
4	6.44	6.56	....	4.40	3.71	20	6.54	6.46	5.88	4.09	....
5	6.48	6.52	6.70	4.40	3.71	21	6.51	6.67	5.55	4.08	....
6	6.49	6.58	6.73	4.35	3.77	22	6.52	6.67	5.09	4.15	....
7	6.48	6.61	6.73	4.39	3.83	23	6.51	....	4.70	4.20	....
8	6.50	6.65	....	4.38	3.90	24	6.54	....	4.39	4.20	....
9	6.45	6.68	....	4.37	3.91	25	6.58	....	4.36	4.10	....
10	6.51	6.67	....	4.22	3.91	26	6.58	6.52	4.36	3.82	....
11	6.50	6.54	6.66	3.93	4.01	27	6.52	6.66	4.31	3.84	....
12	6.50	6.52	6.66	3.98	4.14	28	6.54	6.69	4.35	3.90	....
13	6.50	6.53	6.61	4.04	....	29	....		4.41	3.91	....
14	6.50	6.56	6.57	4.06	....	30	....		4.41	3.78	....
15	6.56	6.60	6.46	4.03	....	31	....		4.39		....
16	6.58	....	6.46	3.92	....						

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 13.45 below lsd, Mar. 6, 1950. Records available: 1944-53.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	9.18	Mar. 23	7.08	June 1	5.90	Sept. 28	11.36
12	9.38	30	4.85	8	6.10	Oct. 6	11.44
19	9.72	Apr. 6	4.79	15	6.09	12	11.79
27	10.10	13	4.83	22	6.28	19	12.03
Feb. 2	10.42	20	4.99	30	6.43	26	12.00
9	10.79	27	5.88	Aug. 24	8.90	Nov. 3	12.28
16	11.00	May 4	5.01	31	8.89	9	12.40
24	10.86	11	5.05	Sept. 8	9.38	Dec. 16	12.60
Mar. 2	10.29	17	5.18	14	9.90	23	12.74
10	10.42	25	5.40	21	10.09	30	12.82
17	8.94						

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