Water Levels and Artesian Pressures in Observation Wells in the United States 1954

Part 3. North-Central States

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

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PREFACE

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

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CONTENTS

ILLUSTRATIONS

WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS IN THE UNITED STATES IN 1954

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 1954.

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

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

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

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

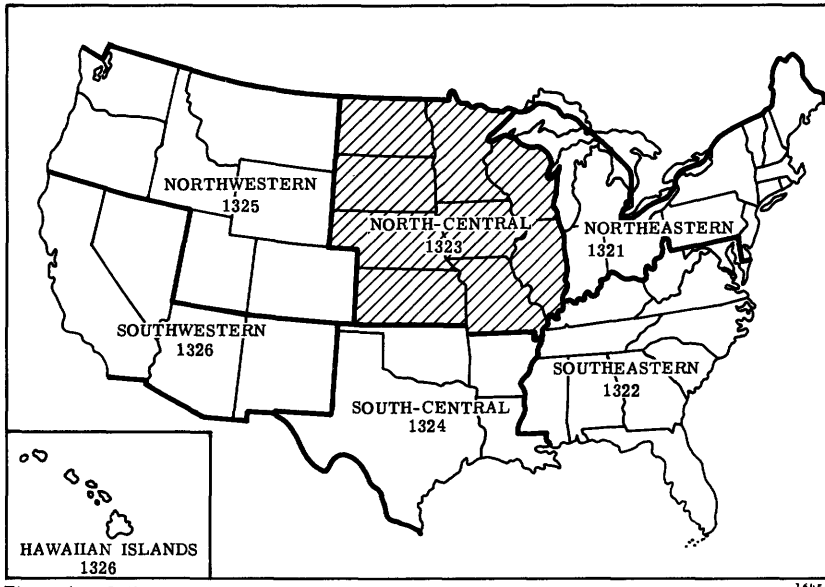


Figure 1.--Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1954. The shaded area indicates the States included in this volume.

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

ILLINOIS

By J. B. Cooper

Scope of Water-Level Program

Measurements of water level were continued in 1954 in the well at Princeton, Bureau County. This well was equipped with a nonrecording gage in November 1942; observations have been made at weekly intervals since that time.

In 1948, recording gages were installed on four wells at Argonne National Laboratory in Du Page County. Water levels are given in altitude above sea level to conform with other data in the laboratory. A recording gage was installed on well ANL 20 in 1954.

Precipitation

The precipitation at the Tiskilwa rainfall station in 1954, as obtained from records of the U. S. Weather Bureau, was 46.93 inches, 11.44 inches above normal. Above-normal precipitation occurred in all months except January, February, May, and September.

Interpretation of Water-Level Fluctuations

During 1954, the water level in the well at Princeton followed the general pattern of previous years, as indicated by figure 2. However, water levels the last 6 months of the year were considerably above average. Below-normal rainfall in 1953 and at the start of 1954 was reflected by near-record-low water levels in January and February. The low for the year was 21.04 feet on February 13. A sharp rise in water level to a high for the year of 4.10 feet on March 27 followed heavy rains during March. Water levels remained high in April and were somewhat below average from May through July. The range of fluctuation during 1954 was 16.94 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: 1942-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16	21.01	Apr. 3	5.11	June 26	10.72	Sept. 25	15.18
23	20.86	17	6.31	July 3	11.92	Oct. 2	15.92
30	20.00	24	5.38	10	11.98	25	10.90
Feb. 6	20.99	May 1	5.52	17	13.13	Nov. 3	11.70
9	21.01	8	6.64	24	13.32	16	8.10
13	21.04	15	7.66	31	14.32	22	10.70
20	20.18	22	8.79	Aug. 7	14.88	28	10.57
27	18.68	29	9.11	14	14.18	Dec. 4	10.43
Mar. 6	18.33	June 5	4.82	28	9.02	12	10.72
13	16.33	12	7.12	Sept. 4	11.99	18	10.88
20	15.72	19	8.98	18	14.31	27	11.12
27	4.10						

Du Page County

ANL 9. Argonne National Laboratory. NW¼SW¼ sec. 9, T. 37 N., R. 11 E. Drilled observation well in Niagara dolomite, diameter 4 inches, depth 140 feet, cased to 90. Land-surface datum is 733 feet above msl. Highest water level 644.03 above msl, May 27, 1951; lowest 640.17 above msl, Mar. 16, 1954. Records available: 1948-54.

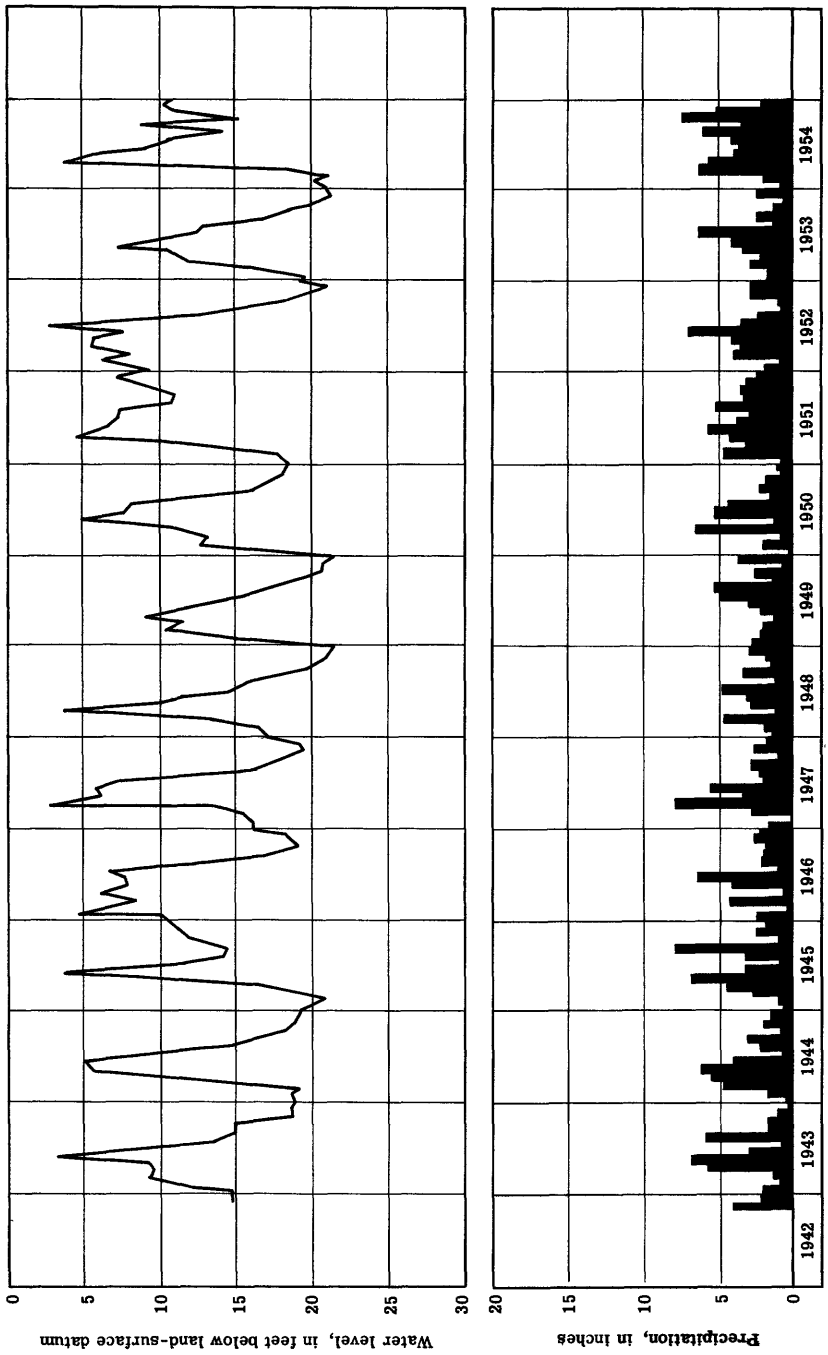


Figure 2.--Water level in well 16-9E-9N1 at Princeton, Ill., and monthly precipitation at Tiskilwa, 1942-54.

ANL 9--Continued.

Daily lowest water level above msl from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	640.60	640.56	640.45	640.69	641.78	641.50	641.03	640.94	640.89	640.54	641.91	641.36
2	640.61	640.68	640.45	640.75	641.82	641.46	641.03	641.04	640.98	640.55	641.76	641.38
3	640.42	640.58	640.31	640.67	641.91	641.56	641.01	640.94	640.87	640.63	641.77	641.55
4	640.49	640.62	640.24	640.78	641.90	641.43	641.08	640.95	640.89	640.54	641.81	641.58
5	640.64	640.56	640.25	640.98	641.96	641.39	641.10	640.88	640.86	640.51	641.73	641.25
6	640.53	640.34	640.31	641.19	641.98	641.40	641.11	640.86	640.87	640.30	641.85	641.13
7	640.53	640.32	640.38	641.04	641.94	641.53	641.18	640.85	640.86	640.26	641.78	641.15
8	640.53	640.56	640.33	640.85	641.94	641.46	641.12	640.89	640.80	640.41	641.63	641.42
9	640.49	640.67	640.57	640.91	641.84	641.50	641.14	641.91	640.81	640.64	641.55	641.46
10	640.48	640.59	640.57	641.19	641.84	641.48	641.16	640.83	640.88	.....	641.53	641.35
11	640.53	640.21	640.57	641.05	641.84	641.52	641.20	640.74	640.83	.....	641.59	641.32
12	.....	640.17	640.62	640.98	641.76	641.51	641.31	640.73	640.78	.....	641.53	641.26
13	.....	640.28	640.59	641.20	641.73	641.47	641.28	640.72	640.86	.....	641.62	641.28
14	.....	640.51	640.41	641.53	641.71	641.52	641.39	640.78	640.89	.....	641.74	641.38
15	.....	640.50	640.24	641.62	641.71	641.55	.....	640.78	640.88	.....	641.75	641.40
16	640.36	640.26	640.17	641.60	641.82	641.48	641.11	.....	640.79	.....	641.96	641.30
17	.....	640.18	640.24	641.60	641.72	641.38	641.16	.....	640.77	.....	641.93	641.42
18	.....	640.20	640.41	641.57	641.69	641.29	.....	.....	640.87	.....	641.96	.....
19	.....	640.26	640.69	641.45	641.61	641.29	641.16	.....	640.96	.....	641.97	641.24
20	.....	640.33	640.49	641.42	641.53	641.31	641.13	640.69	640.96	.....	641.90	641.24
21	.....	640.31	640.43	641.55	641.53	641.40	641.12	640.67	640.80	.....	641.88	641.13
22	640.28	640.23	640.51	641.49	641.51	641.29	641.07	640.68	640.67	.....	641.83	641.18
23	640.34	640.41	640.52	641.46	641.47	641.20	641.10	640.71	640.61	641.42	641.86	641.29
24	640.35	640.48	640.54	641.54	641.54	641.20	641.04	640.52	640.65	641.45	642.00	641.10
25	640.33	640.51	640.65	641.58	641.55	641.26	640.99	640.76	640.68	641.59	641.80	641.14
26	640.35	640.54	640.47	641.74	641.50	641.22	640.96	640.78	640.79	641.76	641.74	641.22
27	640.29	640.57	640.50	641.80	641.58	641.13	640.98	640.79	640.82	641.73	641.92	641.18
28	640.27	640.48	640.70	641.76	641.58	641.11	641.00	640.79	640.78	641.81	641.93	641.10
29	640.43		640.69	641.85	641.41	641.12	641.01	640.84	640.71	642.01	641.35	641.14
30	640.28		640.71	641.86	641.35	641.11	640.96	640.88	640.58	641.91	641.30	641.21
31	640.28		640.71		641.47		640.92	640.90		641.87		641.21

ANL 10. Argonne National Laboratory. SE¼NE¼ sec. 9, T. 37 N., R. 11 E. Drilled observation well in Niagara dolomite, diameter 10 inches, reported depth 186 feet, cased to 86. Land-surface datum is 702 feet above msl. Highest water level 647.21 above msl, May 8, 1950; lowest 632.11 above msl, Feb. 22, 1954. Records available: 1948-54.

Daily lowest water level above msl from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	634.27	634.55	633.80	634.06	634.90	.....	633.42	633.32	632.68	632.19	635.22	.....
2	634.42	634.52	633.87	635.09	635.41	.....	633.48	633.48	632.91	632.69	635.20	.....
3	634.42	634.46	633.09	635.00	635.30	.....	633.62	633.13	632.81	633.10	634.50	633.84
4	635.03	634.27	633.34	635.20	634.88	633.91	634.82	632.97	632.91	632.50	635.17	633.72
5	635.49	634.27	633.31	634.97	635.13	633.92	634.44	633.20	633.38	632.48	634.20	633.58
6	635.17	633.95	633.65	634.27	635.52	634.61	634.17	633.08	633.30	632.59	634.28	632.59
7	635.23	633.91	634.59	633.91	635.00	633.74	633.40	633.33	632.80	632.75	635.78	632.62
8	635.10	634.31	634.03	633.67	635.41	633.40	633.37	633.38	632.82	633.29	634.52	633.98
9	635.05	634.19	634.03	633.90	635.43	633.22	633.69	633.35	633.28	633.59	634.20	633.56
10	635.11	634.08	634.11	635.56	635.65	633.12	633.71	633.07	633.01	633.90	634.38	633.36
11	634.51	633.55	634.12	635.38	634.98	633.19	634.05	633.02	633.22	634.21	634.05	633.36
12	634.42	633.58	634.13	635.01	634.78	633.48	633.54	633.25	633.55	634.03	633.78	633.68
13	634.30	633.50	634.20	635.11	634.54	634.20	633.48	633.21	633.99	633.78	634.73	633.60
14	634.16	633.75	634.05	635.27	634.54	633.32	633.10	633.25	633.61	633.90	635.89	632.88
15	634.10	633.60	633.89	634.27	634.92	633.31	633.00	633.28	633.23	634.31	634.80	632.33
16	634.33	633.05	633.17	633.91	635.10	633.01	633.39	632.80	633.15	634.47	634.72	632.30
17	634.95	632.36	633.59	634.75	634.14	632.80	633.61	632.79	633.10	634.64	634.90	.....
18	634.40	632.26	633.63	635.36	633.98	632.80	633.90	632.62	632.92	634.64	634.70	633.50
19	634.25	632.16	633.76	635.60	633.98	633.00	633.40	632.52	633.18	634.76	634.60	633.87
20	633.58	632.24	634.58	635.49	633.92	634.03	633.39	632.52	633.10	634.65	635.10	633.16
21	633.50	632.41	634.60	635.37	634.18	633.27	632.93	632.70	633.10	634.35	635.51	632.61
22	634.31	632.11	634.28	635.10	634.25	633.16	632.98	632.97	632.98	634.38	634.73	632.65
23	634.60	632.67	633.88	635.32	634.74	633.30	632.62	632.22	632.90	635.58	634.90	632.91
24	634.80	633.04	633.80	635.42	634.49	633.30	632.89	632.45	632.43	635.69	634.59	633.85
25	634.03	633.03	634.07	635.90	634.50	633.32	633.80	632.52	632.61	634.68	634.78	634.50

ANL 10--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	633.80	633.48	633.89	635.61	634.71	633.67	632.97	632.45	634.00	634.73	634.38	634.60
27	633.98	633.49	633.95	635.00	634.79	633.82	632.81	632.91	632.70	634.76	634.95	634.35
28	633.73	633.53	634.75	635.17	633.80	633.78	632.60	632.70	632.32	634.42	.....	633.99
29	633.80		634.77	635.50	633.74	633.40	632.50	632.95	632.50	634.42	.....	634.00
30	633.75		634.04	635.12	634.26	633.48	632.28	633.26	631.99	635.10	.....	634.58
31	634.06		633.89				632.97	633.26		635.46		634.95

ANL 11. Argonne National Laboratory. $SW\frac{1}{4}SE\frac{1}{4}$ 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 638.10 above msl, Sept. 14, 1954. Records available: 1948-54.

Daily lowest water level above msl from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	639.63	639.39	638.98	.....	640.79	639.91	639.23	638.95	638.73	638.14	640.45	.....
2	639.69	639.60	639.13	640.18	640.91	639.85	639.23	639.11	638.85	638.23	640.31	.....
3	639.64	639.57	638.64	640.07	641.07	640.05	639.33	638.99	638.63	638.53	640.21	.....
4	639.92	639.47	638.64	640.16	640.87	639.99	639.81	638.87	638.63	638.31	640.34	640.31
5	640.21	639.45	638.85	640.41	640.89	639.93	639.81	638.95	638.85	638.31	640.14	640.35
6	640.13	639.19	638.85	640.12	641.07	640.27	639.79	638.81	638.85	.....	640.14	639.79
7	640.09	639.15	639.46	639.87	640.87	640.05	639.39	638.85	638.63	.....	640.43	639.78
8	640.03	639.37	639.21	639.54	640.95	639.79	639.29	638.99	638.57	.....	640.13	640.52
9	640.06	639.54	639.26	639.66	640.97	639.71	639.47	639.05	638.81	.....	639.90	640.32
10	640.01	639.39	639.34	640.42	641.13	639.63	639.49	638.81	638.78	.....	639.90	640.21
11	639.76	638.95	639.35	640.53	640.81	639.65	639.63	638.77	638.79	.....	639.95	640.21
12	639.52	638.86	639.36	640.33	640.63	639.69	639.41	638.83	638.90	.....	640.73	640.34
13	639.52	638.94	639.45	640.41	640.59	639.97	639.43	638.83	638.26	.....	640.88	640.34
14	639.58	639.19	639.29	640.70	640.47	639.67	639.23	638.89	638.10	.....	640.63	640.17
15	639.55	639.23	639.11	.....	640.51	639.67	639.15	638.93	638.85	.....	640.42	639.69
16	639.57	638.79	638.98	640.03	640.79	639.45	639.17	638.71	638.82	639.95	640.35	639.65
17	.....	638.41	638.98	640.21	640.39	639.25	639.27	638.67	638.84	639.99	640.34	639.87
18	.....	638.39	639.07	640.60	640.23	639.17	639.55	638.71	638.78	639.94	640.26	630.34
19	.....	638.28	639.28	640.68	640.13	639.17	639.31	638.59	638.91	639.95	640.12	640.42
20	.....	638.31	639.58	640.74	640.07	639.61	639.31	638.51	638.94	640.15	640.24	640.14
21	.....	638.48	639.56	640.74	640.15	639.51	639.03	638.51	638.77	640.11	640.44	639.73
22	.....	638.19	639.60	640.62	640.13	639.41	639.01	638.87	638.62	640.05	640.21	639.78
23	639.41	638.35	639.38	640.67	640.27	639.33	638.85	638.41	638.54	640.37	640.21	640.07
24	639.66	638.66	639.32	640.73	.....	639.33	638.85	638.39	638.49	640.61	640.14	640.22
25	639.33	638.76	639.56	640.99	.....	639.37	639.37	638.53	638.50	640.39	.....	640.36
26	639.21	638.93	639.34	641.19	.....	639.53	639.03	.....	638.99	640.39	640.95	640.60
27	639.33	638.97	639.34	640.79	.....	639.55	638.87	.....	638.65	.....	640.09	640.57
28	639.21	638.95	639.81	640.79	.....	639.61	638.83	638.67	638.41	.....	640.26	640.36
29	639.18		639.93	641.01	639.83	639.35	638.77	638.75	638.39	640.24	639.33	640.36
30	639.07		.....	640.95	639.91	639.37	638.57	638.89	638.19	640.28	639.27	640.72
31	639.19		.....		640.31		638.75	638.91		640.42		640.82

ANL 13. Argonne National Laboratory. $NW\frac{1}{4}SE\frac{1}{4}$ 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 636.94 above msl, Feb. 22, 1954. Records available: 1948-54. Measurement discontinued.

Daily lowest water level above msl from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
1	637.66	637.90	637.54	637.85	638.73	638.24	637.69
2	637.74	638.07	637.62	638.17	638.75	638.19	637.69
3	637.49	637.99	637.28	638.05	638.99	638.32	637.78
4	637.68	637.94	637.28	638.07	638.89	638.16	638.05
5	638.05	637.89	637.29	638.37	638.89	638.13	638.13
6	637.92	637.59	637.35	638.34	638.94	638.22	638.13
7	637.91	637.55	637.85	638.05	638.89	638.22	.....
8	637.90	637.81	637.68	637.75	638.89	638.06	.....
9	638.15	638.03	637.80	637.75	638.89	638.03	.....
10	638.07	637.83	637.85	638.40	638.93	637.97	.....
11	637.99	637.32	637.85	638.41	638.81	637.98	.....
12	637.70	637.28	637.83	638.24	638.67	637.99	.....
13	637.70	637.37	637.84	638.33	638.64	638.11	.....
14	637.87	637.75	637.65	638.68	638.55	638.06	.....
15	637.87	637.70	637.47	638.55	638.55	638.05	.....

ANL 13--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July
16	637.83	637.28	637.37	638.38	638.97	637.88	.....
17	637.77	637.04	637.37	638.38	638.50	637.73	.....
18	637.93	637.04	637.44	638.67	638.43	637.70	.....
19	637.89	637.04	637.78	638.69	638.32	637.70	.....
20	637.43	637.08	637.70	638.69	638.29	637.92	.....
21	637.28	637.11	637.66	638.69	638.33	637.02	.....
22	637.38	636.94	637.68	638.63	638.32	637.85	.....
23	637.79	637.03	637.63	638.60	638.35	637.78	.....
24	638.06	637.28	637.61	638.67	638.22	637.78	.....
25	637.84	637.42	637.81	638.90	638.13	637.80	.....
26	637.78	637.50	637.60	639.11	638.10	637.93	.....
27	637.73	637.56	637.60	638.87	638.10	637.90	.....
28	637.73	637.54	638.02	638.87	638.26	637.90	.....
29	637.72		638.06	638.95	638.18	637.85	.....
30	637.53		637.93	638.88	638.17	637.82	.....
31	637.59		637.85		638.43		.....

* No record for August, September, October, November, and December.

ANL 20. Argonne National Laboratory. $SE\frac{1}{4}NW\frac{1}{4}$ sec. 10, T. 37 N., R. 11 E. Drilled observation well in Niagara dolomite, diameter 6 inches, depth 168 feet, cased to 160. Land-surface datum is 663 feet above msl. Highest water level 629.11 above msl, Nov. 21, 1954; lowest 624.64 above msl, Dec. 16, 1954. Records available: 1952-54. Aug. 14, 1952, 628.15; Oct. 8, 1953, 625.75.

Daily lowest water level above msl from recorder graph*

Day	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	626.28	626.07	625.33	628.70	626.74
2	.....	626.60	626.23	625.65	628.68	625.61
3	.....	626.40	626.16	626.41	627.98	626.45
4	.....	626.24	626.39	625.79	628.38	626.36
5	.....	626.43	626.67	625.74	627.68	626.27
6	.....	626.32	626.83	626.00	627.66	625.28
7	.....	626.48	626.39	626.13	628.47	625.26
8	h626.90	626.74	626.39	626.62	628.20	626.56
9	627.13	626.96	626.96	626.76	627.78	626.25
10	627.12	626.58	626.54	627.05	627.76	626.18
11	627.55	626.52	626.67	627.70	627.43	626.18
12	626.95	626.72	627.38	627.40	626.82	626.56
13	626.85	626.68	627.79	627.07	628.13	626.43
14	626.30	626.67	627.41	627.07	628.53	625.32
15	.....	626.74	626.99	627.50	628.12	624.67
16	626.55	626.28	626.87	627.89	628.03	624.64
17	626.69	626.25	626.65	628.56	628.25	625.16
18	627.00	625.93	626.30	628.93	628.88	625.70
19	626.73	625.79	626.70	629.01	627.40	626.18
20	626.56	625.73	626.56	628.51	628.18	625.84
21	626.08	625.70	626.54	628.12	629.11	625.04
22	626.06	625.85	626.56	628.04	628.26	625.14
23	625.71	626.28	626.42	628.70	628.45	625.14
24	625.91	625.58	625.98	628.93	627.68	626.34
25	626.57	625.60	626.13	628.40	627.95	625.60
26	626.32	625.51	626.84	628.39	627.40	626.18
27	626.19	625.70	626.33	628.36	627.96	625.65
28	625.82	625.66	625.72	.....	627.91	625.18
29	625.63	626.17	625.77	627.55	626.87	625.17
30	625.44	626.45	625.25	628.30	626.56	625.73
31	625.85	626.48		629.04		626.15

* No record for January, February, March, April, May, and June.
h Tape measurement.

IOWA

By J. B. Cooper, R. G. McMurtrey, and H. Garland Hershey

Scope of Water-Level Program

The observation-well program in Iowa was continued in 1954 in cooperation with the State Geological Survey. Measurements were made in 146 wells, 15 of which were equipped with recording gages. During the year, 17 wells were dropped from the program, making a total of 129 wells in 34 counties in the observation-well program at the end of the year. Figure 3 shows location 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 17 wells in Page County and 5 wells in Montgomery County in which measurements are made. Records of wells in the Missouri part of the area are given on pages 119-121.

Precipitation

The average total precipitation over the State in 1954, as reported by the U. S. Weather Bureau, was 34.44 inches, 3.07 inches above normal. There were variations in the amount of rainfall in different sections. Excesses of about 7 inches in the central part and more than 4 inches in the northwest and west-central parts of the State were reported. In south-central Iowa precipitation was nearly an inch below normal. Heavy rains in April, June, August, and October accounted for nearly two-thirds of the average total precipitation for 1954. There were flash floods in April and more general floods in June. The months of January, July, September, November, and December were unusually dry. At the beginning of 1954, ground and subsoil moisture was deficient. Rural water shortages continued in many areas until March, particularly in southern Iowa where many communities restricted nonessential use of water. Many farmers hauled water for domestic and livestock uses. The spring and summer rains alleviated the drought conditions and at the end of 1954 there were water shortages in only a few scattered localities. Several communities, anticipating future shortages, enlarged surface reservoirs and constructed wells for emergency use. Many shallow farm wells were replaced with drilled wells that tap the aquifers of the deep glacial drift or underlying rock.

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 1954 were at unusually low stages in most sections of the State as a result of below-normal precipitation in 1952 and 1953. The high levels in the spring of 1953 were lower than the high levels of previous years, and less water was in storage at the beginning of the period of heavy ground-water withdrawal. The shallow aquifers were not recharged in the fall of 1953 because of deficient precipitation. Water levels rose in March and April 1954 to stages average or slightly above those of previous years. The usual pattern of progressive decline from the high levels of the spring to the low levels of the fall and winter did not occur in 1954. Heavy rainfall during the summer and early fall months recharged the shallow aquifers in excess of the normal seasonal withdrawal. New high levels for the period of record were observed for the month of August in several observation wells. At the end of 1954, water levels were well above normal in most sections of the State. However, in the southern part, levels were below normal.

Water-level fluctuations in Page County well 68-38-7N1, shown in figure 4, reflect relationship between the amount of precipitation and depth to water in the wells in the Tarkio Creek Valley area of southwestern Iowa. This well was selected because of its 20-year record of measurement and its location away from pumping influences. Monthly precipitation at Shenandoah is also shown on the graph.

Figure 5 shows the fluctuation of the water level during the 12-year period of record in Webster County well 87-28-29N1, a shallow unused well near Harcourt. This well is representative of several shallow observation wells and many domestic farm wells that tap water in the glacial drift. The monthly precipitation at Fort Dodge, shown also on the graph, correlates closely with the fluctuations of water level.

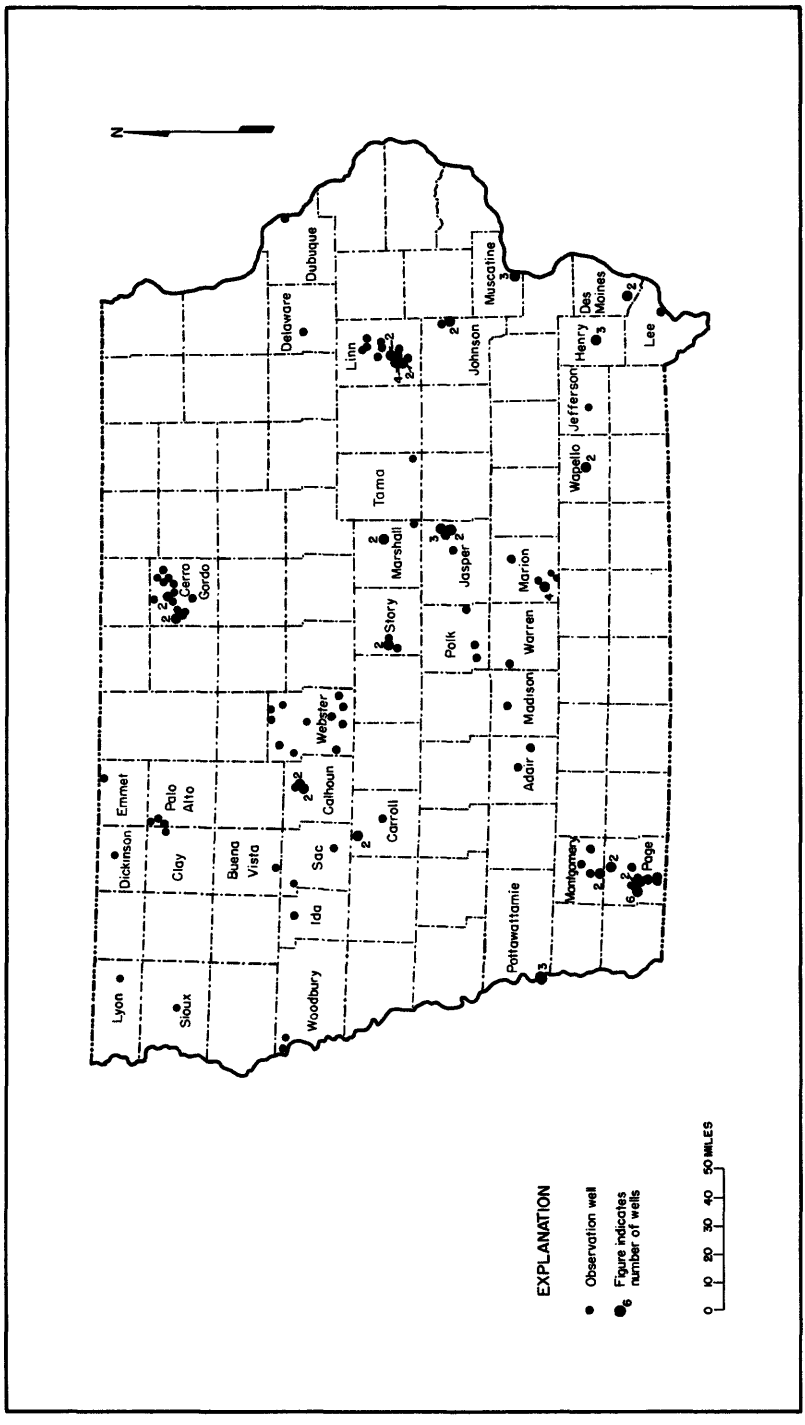


Figure 3.--Location of observation wells in Iowa, 1954.

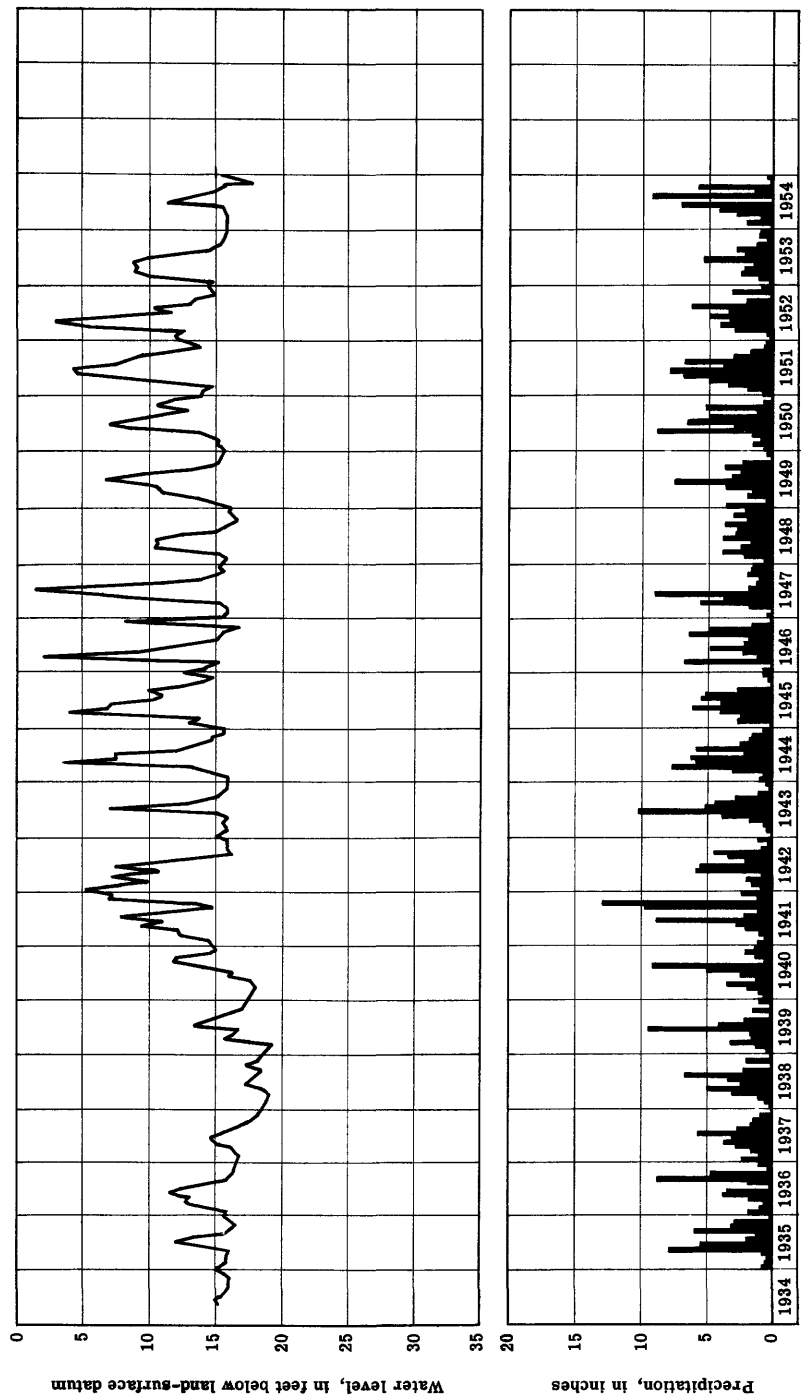


Figure 4.--Water level in well 68-38-7N1 and monthly precipitation at Shenandoah, Tarkio Creek Valley, Iowa-Missouri, 1934-54.

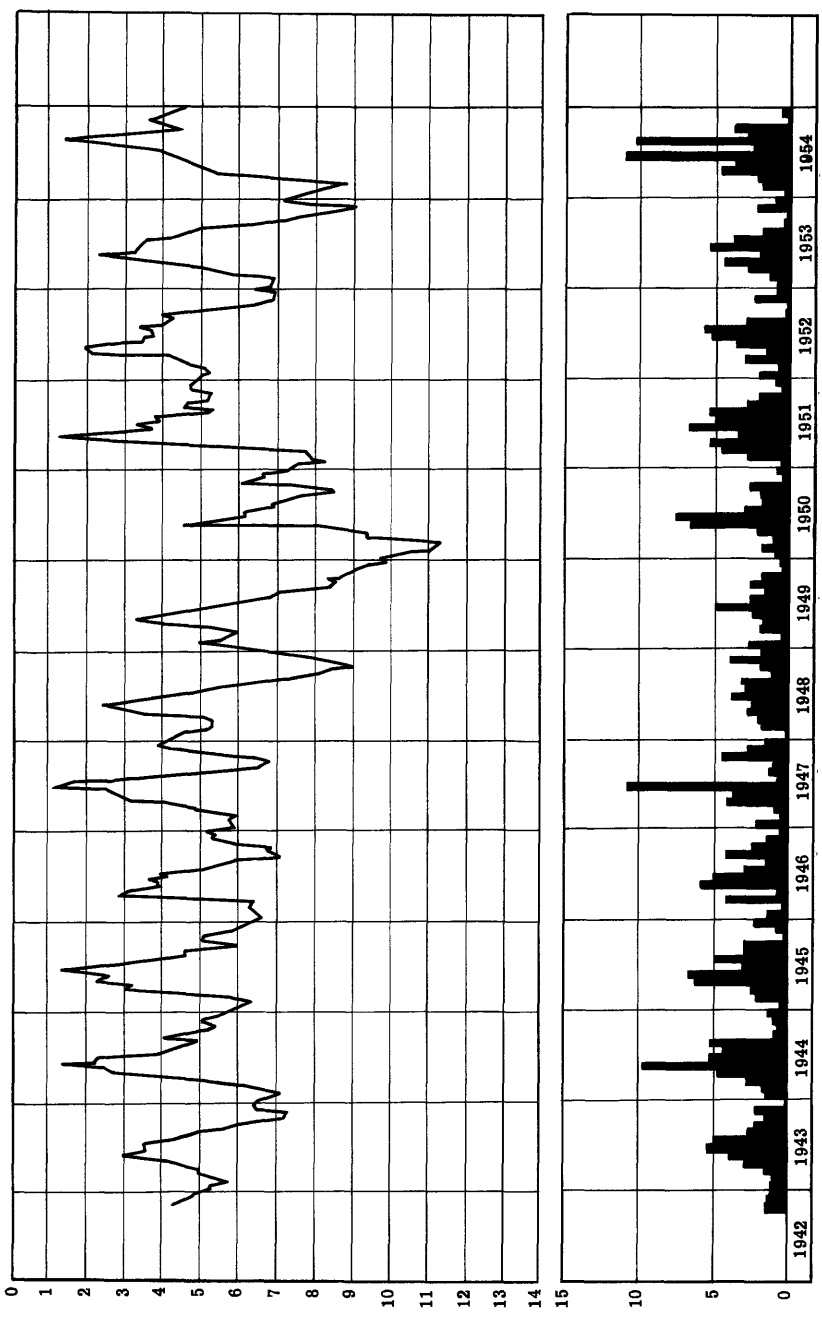


Figure 5.--Water level in well 87-28-29N1 near Harcourt and monthly precipitation at Fort Dodge, Iowa, 1942-54.

387138 O - 56 - 2

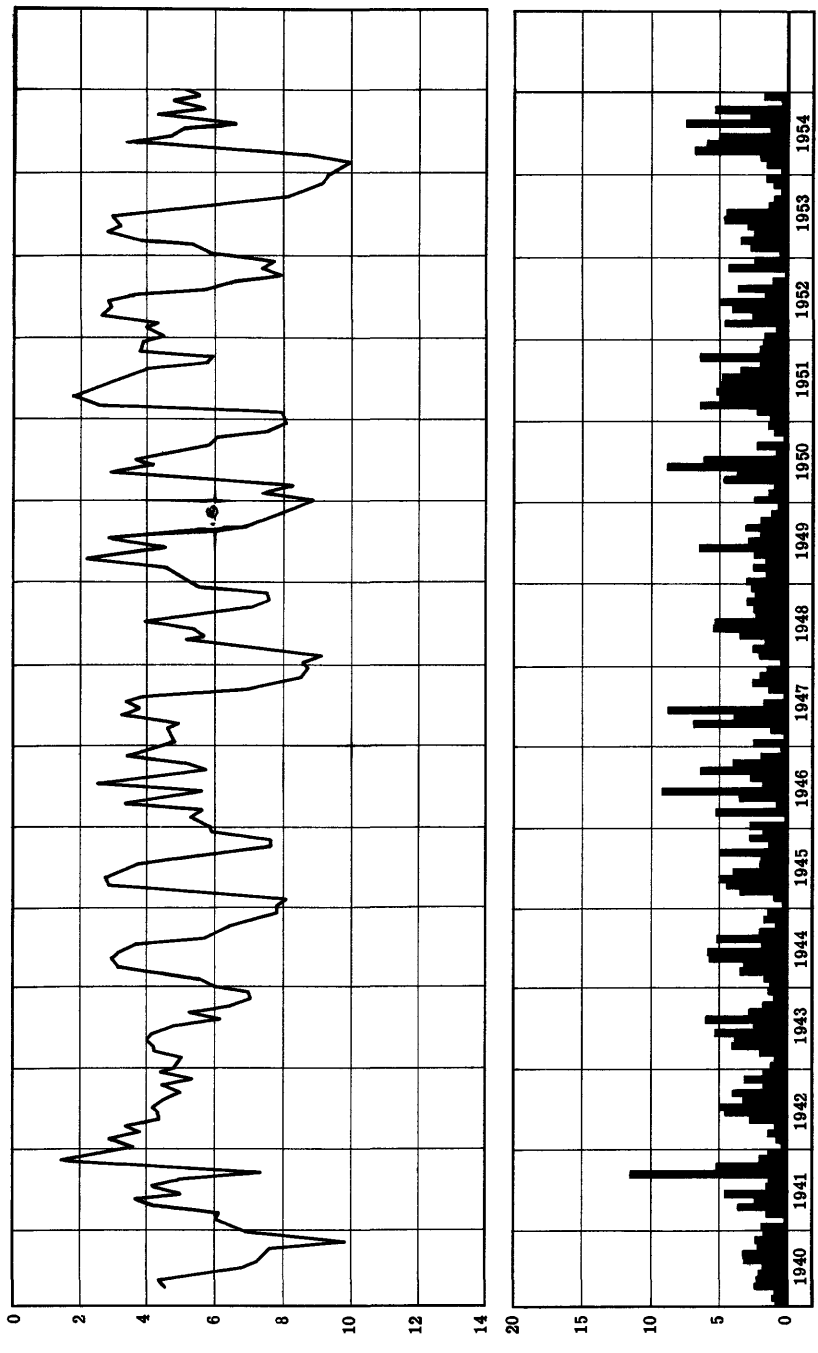


Figure 6.--Water level in well 84-6-20N1 near Marion and monthly precipitation at Cedar Rapids, Iowa, 1940-54.

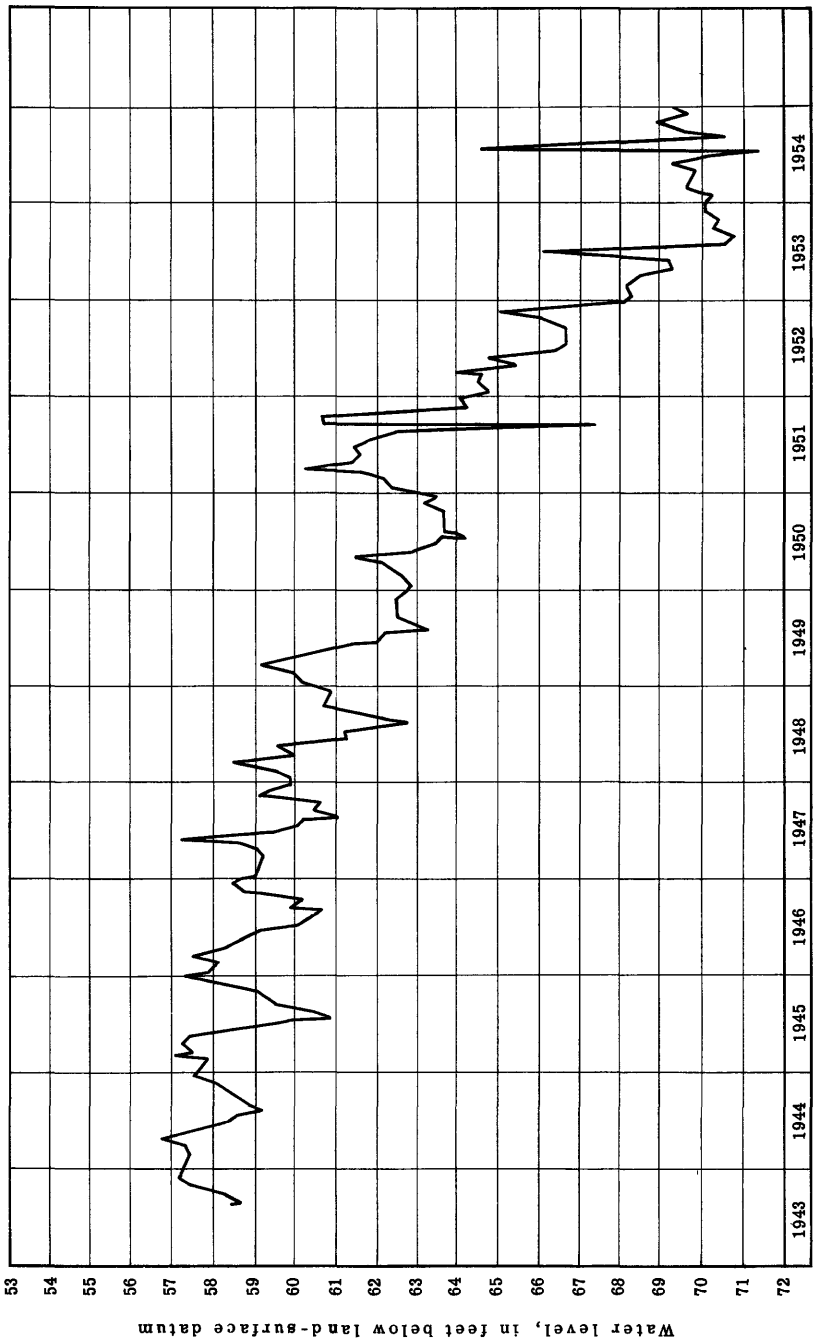


Figure 7.--Hydrograph of well 83-7-21K1 at Cedar Rapids, Iowa, 1943-54, showing fluctuations of water level caused by pumping in vicinity.

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

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

Well-Numbering System

The numbers assigned to observation wells in Iowa show the location of the well according to the rectangular system of 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 denotes 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. 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.

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

Well Descriptions and Water-Level Measurements

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

Adair County

76-31-29F1. Mutual Benefit Life Insurance Co. Dug unused water-table well in glacial drift, diameter 36 inches, depth 21 feet, cribbed with rock. Highest water level 3.96 below lsd, May 26, 1942; lowest 17.61 below lsd, Apr. 29, 1954. Records available: 1942-54. Feb. 4, 17.56; Apr. 29, 17.61; July 28, 16.14; Oct. 28, 16.15.

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: 1942-54. Feb. 4, 3.00; Apr. 29, 0.86; July 28, 3.01; Oct. 28, 2.22.

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: 1940-54. Jan. 27, 10.69; Apr. 20, 8.60; Aug. 3, 9.00; Oct. 6, 9.86.

Calhoun County

89-32-28N1. Frank Laird. Drilled unused water-table well in glacial drift, diameter 15 inches, depth 11 feet, lined with tile. Highest water level 2.03 below lsd, May 1, 1947; lowest dry, Oct. 2, 1940, Aug. 27, 1941. Records available: 1940-54. Jan. 14, 5.84; Apr. 21, 2.62; Aug. 4, 4.37; Oct. 8, 2.98.

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: 1948-54. Jan. 14, 14.00; Apr. 21, 16.90; Aug. 4, 17.17; Oct. 8, 15.47.

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 1954.

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 1954.

88-33-1D1. Bernard Kutz. Drilled unused water-table well in sand of Pleistocene age, diameter 14 inches, depth 105 feet, lined with tile. Highest water level 5.00 below lsd, Apr. 30, 1952; lowest 16.94 below lsd, Jan. 14, 1954. Records available: 1940-54. Jan. 14, 16.94; Apr. 21, 15.46; Aug. 4, 7.75; Oct. 8, 6.17.

Carroll County

85-35-7N1. City of Breda. Drilled municipal artesian well in Dakota sandstone, diameter 10 to 6 inches, depth 340 feet, screen 320-340. Land-surface datum is about 1,362 feet above msl. Highest water level 187.70 below lsd, Mar. 25, 1948; lowest 200.57 below lsd, Oct. 6, 1954. Records available: 1942-54. Aug. 3, 189.57; Oct. 6, 200.57.

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: 1940-54. Jan. 12, 194.60; Apr. 20, 193.08; Aug. 3, 192.17; Oct. 6, 196.78.

84-35-25F1. City of Carroll test hole 1. Drilled observation artesian well in Dakota sandstone, diameter 8 inches, depth 120 feet, cased to 106. Highest water level 34.55 below lsd, Sept. 8, 1945; lowest 59.97 below lsd, Aug. 2, 1954. Records available: 1939-49, 1952-54. Jan. 11, 49.06; Apr. 19, 56.36; Aug. 2, 59.97; Oct. 6, 52.69.

Cerro Gordo County

97-21-9E1. E. H. Phillips. Drilled domestic and stock artesian well in limestone of Devonian age, diameter 5 inches, depth 206 feet, cased to 94. Land-surface datum is about 1,217 feet above msl. Highest water level 90.60 below lsd, Dec. 27, 1949; lowest 100.19 below lsd, July 19, 1946. Records available: 1941-54. Jan. 14, 96.17; Apr. 23, 97.00.

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, lined with tile to 79. 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. Measurement discontinued.

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: 1943-54. Apr. 23, 188.57; Aug. 5, 193.60.

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: 1941-54. Jan. 14, 10.49; Apr. 23, 11.48; Aug. 5, 9.45; Oct. 8, 7.27.

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: 1940-54. Jan. 13, 7.15; Apr. 22, 4.25; Oct. 9, 3.30.

96-22-20L1. Boy Scouts of America. Drilled unused water-table well in glacial drift, diameter 5 inches, depth 126 feet. Land-surface datum is about 1,249 feet above msl. Highest water level 29.65 below lsd, Mar. 25, 1942; lowest 40.68 below lsd, July 6, 1950. Records available: 1940-54. Jan. 13, 37.87; Apr. 22, 38.01; Aug. 5, 38.61; Oct. 9, 36.23.

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: 1940-54. Apr. 22, 7.15. Measurement discontinued.

96-21-13E1. Mason City and Clear Lake Ry. Co. Drilled unused water-table well, diameter 5 inches, depth 29 feet. Land-surface datum is about 1,168 feet above msl. Highest water level 1.73 below lsd, June 28, 1951; lowest 9.20 below lsd, Feb. 5, 1953. Records available: 1940-54. Jan. 13, 7.16; Apr. 22, 7.34; Aug. 5, 4.30; Oct. 9, 3.72.

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: 1940-54. Jan. 13, 18.79; Apr. 22, 19.49; Aug. 5, 15.68; Oct. 9, 16.04.

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: 1940-54. Jan. 13, 2.82; Apr. 22, 2.33. Measurement discontinued.

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. Measurement discontinued.

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. Measurement discontinued.

96-20-3P1. Minneapolis and St. Louis Ry. Co. Drilled unused artesian well in St. Peter sandstone, diameter 12 to 10 inches, depth 805 feet, cased 0-30, 614-730. Land-surface datum is 1,120.0 feet above msl. Highest water level 32.91 below lsd, May 7, 1951; lowest 55.07 below lsd, Sept. 29, 1949. Records available: 1941-54.

Daily noon water level from recorder graph*

Day	Jan.	Feb.	Apr.	May	Sept.	Oct.
1	48.87	49.47	.....	48.67	.....	39.79
2	48.74	49.48	.....	48.04	.....	39.72
3	48.93	49.57	.....	47.66	.....	39.53
4	48.77	49.62	.....	47.36	.....	39.83
5	48.79	49.65	.....	47.18	.....	39.85
6	48.95	49.77	.....	47.00	.....	40.03
7	48.93	49.57	.....	46.99	.....	40.03
8	48.74	49.40	.....	46.92	.....	39.84
9	49.08	49.42	.....	46.85	.....	.....
10	48.92	49.51	.....	46.81	.....	.....
11	48.87	49.77	.....	46.82	.....	.....
12	49.12	49.50	.....	46.91	.....	.....
13	48.91	49.23	.....	46.97	.....	.....
14	49.00	49.21	.....	47.03	.....	.....
15	49.07	49.53	.....	47.00	.....	.....
16	49.29	49.62	.....	47.01	.....	.....
17	49.23	49.62	.....	47.08	.....	.....
18	48.97	49.55	.....	47.13	.....	.....
19	49.07	49.55	.....	47.28	.....	.....
20	49.40	49.35	.....	47.29	.....	.....
21	49.60	49.62	.....	47.26	38.95	.....
22	49.44	49.45	.....	47.32	39.12	.....
23	49.23	49.50	49.52	.....	39.21	.....
24	49.40	.....	49.42	.....	39.21	.....
25	49.32	.....	49.23	.....	39.41	.....

96-20-3P1--Continued.

Day	Jan.	Feb.	Apr.	May	Sept.	Oct.
26	49.50	.....	48.93	.....	39.41	.....
27	49.58	.....	49.10	.....	39.41	.....
28	49.50	.....	49.10	.....	39.53	.....
29	49.50		49.00	.....	39.62	.....
30	49.71		48.92	.....	39.74	.....
31	49.47			.....		.....

* No record for March, June, July, August, September, November, and December.

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, 1947-54. Jan. 13, 234.70; Aug. 5, 230.50; Oct. 9, 242.82.

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: 1941-54. Jan. 13, 18.80; Apr. 22, 18.93; Aug. 5, 16.58; Oct. 9, 15.48.

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: 1941-54. Jan. 13, 22.94; Apr. 23, 22.72; Aug. 5, 17.99; Oct. 9, 18.26.

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: 1940-54. Jan. 13, 3.69; Apr. 21, 2.89; Aug. 4, 2.90; Oct. 8, 2.71.

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: 1949-54.

Daily highest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.7	23.4	24.6	23.4	....	21.5	22.6	24.2	....
2	22.7	23.9	23.8	23.7	....	22.0	21.9	23.8	....
3	22.8	23.1	24.1	23.6	....	21.4	21.7	24.1	....
4	22.6	24.2	24.1	23.7	....	21.5	21.8	24.3	....
5	23.2	23.2	24.2	23.7	....	21.5	21.9	24.2	....
6	22.7	24.0	24.0	24.1	....	21.6	22.2	24.2	....
7	23.6	23.1	23.9	23.7	....	22.3	22.1	24.3	....
8	23.6	23.3	23.8	23.8	....	21.6	21.5	23.9	....
9	23.1	23.2	24.0	23.9	....	21.7	21.9	23.8	....
10	23.0	23.4	23.6	23.9	....	21.6	21.5	23.9	....
11	22.9	24.2	24.0	23.8	21.4	21.2	21.9	24.3	25.2
12	23.4	23.4	23.4	23.6	21.6	21.4	22.0	24.5	24.3
13	23.6	23.7	23.5	23.4	21.3	21.5	22.1	24.0	24.6
14	22.9	24.1	23.5	23.6	21.0	21.7	22.2	24.1	24.0
15	23.1	23.6	24.4	23.6	21.3	21.2	21.6	24.3	24.4
16	22.7	23.7	24.0	23.8	21.5	21.4	22.0	23.6	24.6
17	23.2	23.8	23.5	23.6	21.7	21.8	22.2	24.2	24.9
18	24.0	23.9	23.8	23.6	20.7	21.9	22.0	23.8	24.3
19	23.0	23.8	24.4	23.6	21.7	22.4	22.2	24.4	24.6
20	23.6	23.7	24.3	....	20.9	21.8	21.5	23.8	24.8
21	23.2	23.4	24.0	....	21.4	22.0	21.9	24.0	24.7
22	23.5	23.8	23.8	....	20.9	22.0	....	24.2	24.7
23	23.6	23.2	24.0	....	....	22.4	....	24.2	25.2
24	23.4	23.8	24.2	....	21.6	22.2	....	23.8	24.5
25	23.9	23.1	23.8	....	21.5	22.4	....	24.2	24.5

89-5-29J1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	Aug.	Sept.	Oct.	Nov.	Dec.
26	23.0	23.8	24.0	....	21.6	22.5	....	24.1	24.5
27	23.5	23.8	23.8	....	21.7	22.3	....	23.6	25.2
28	23.3	23.6	24.0	....	21.7	22.4	24.2	....	24.4
29	24.0		23.7	....	21.5	21.8	23.6	....	25.0
30	23.4		23.6	....	21.6	22.2	24.0	....	24.8
31	23.6		23.6		21.7		23.9		24.4

* No record for May, June, and July.

Daily lowest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.1	40.8	41.1	41.3	....	38.2	38.2	40.2	....
2	40.1	40.8	....	32.6	....	38.3	37.6	40.8	....
3	39.8	41.2	41.4	41.2	....	38.6	37.7	40.6	....
4	40.0	41.2	41.4	40.9	....	30.4	38.4	40.4	....
5	40.1	41.2	....	41.0	....	38.2	38.5	40.6	....
6	40.8	41.2	....	41.2	....	38.4	38.7	40.5	....
7	41.0	....	....	....	....	38.4	30.2	39.8	....
8	41.0	31.8	....	41.2	....	38.5	38.4	31.9	....
9	....	40.8	....	40.8	....	38.1	32.9	....	....
10	....	41.2	....	41.3	....	29.3	38.4	40.9	....
11	....	46.6	36.8	....	37.7	38.3	38.6	40.9	....
12	....	41.0	38.2	35.4	37.8	38.0	38.7	40.3	40.5
13	....	36.3	....	41.2	37.4	38.1	38.4	41.0	35.2
14	....	40.2	....	36.2	36.2	29.8	28.9	40.2	40.9
15	32.0	41.0	....	41.4	37.4	37.9	38.7	40.2	40.8
16	....	40.6	40.0	....	38.0	38.1	38.7	....	41.3
17	....	....	41.2	40.3	38.1	38.4	38.3	32.0	32.6
18	40.2	....	41.4	40.6	38.1	38.9	38.7	41.0	41.4
19	40.8	40.9	41.3	35.8	38.1	38.0	28.8	32.2	40.8
20	32.2	....	41.5	....	38.3	38.4	38.5	40.5	40.9
21	....	....	41.0	....	38.4	38.4	31.6	40.5	40.8
22	41.1	40.3	....	....	....	38.5	....	40.6	41.4
23	41.0	41.2	41.4	....	38.7	38.6	....	32.4	41.4
24	....	32.6	41.0	....	38.7	38.9	....	40.7	41.4
25	....	41.2	41.6	....	37.8	39.0	....	40.3	40.7
26	40.8	41.3	40.9	....	37.9	38.7	....	32.0	40.8
27	39.9	41.3	41.6	....	38.0	39.1	....	40.4	40.6
28	41.2	40.6	41.1	....	38.2	38.3	37.8	....	41.0
29	41.3		32.8	....	38.3	34.0	40.6	....	42.3
30	41.0		41.1	....	37.7	38.3	40.7	....	45.9
31	40.5		34.1		37.9		40.0		41.5

* No record for May, June, and July.

Des Moines County

69-3-6A1. Iowa Ordnance Plant well 3. Drilled unused artesian well in St. Peter sandstone, diameter 16 inches, depth 1,205 feet, cased 0-855. Land-surface datum is about 717 feet above msl. Highest water level 162.70 below lsd, Mar. 27, 1950; lowest 181.19 below lsd, Apr. 12, 1954. Records available: 1950-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	178.71	179.70	180.19	180.75	176.21	.....	172.30	172.19	172.40	172.31	172.01	172.25
2	178.46	.....	180.21	180.57	175.73	.....	172.16	172.02	172.27	172.21	172.28	172.12
3	179.04	.....	180.60	181.00	175.95	.....	172.08	172.14	172.35	172.07	172.10	171.81
4	178.71	.....	180.74	180.80	175.72	.....	172.09	172.05	172.28	172.26	172.06	171.78
5	.....	.....	180.69	180.65	175.51	.....	172.12	172.13	172.36	172.27	172.22	172.08
6	.....	.....	180.55	180.52	175.29	.....	172.01	172.24	172.31	172.56	171.99	172.38
7	.....	.....	180.53	180.41	175.29	173.58	171.90	172.22	172.35	172.61	172.13	172.15
8	.....	179.73	180.56	180.96	175.22	.....	172.15	172.11	172.43	172.31	172.26	171.74
9	.....	.....	180.25	180.75	175.22	.....	172.14	172.19	172.26	172.16	172.35	171.87
10	.....	.....	180.21	180.66	175.10	.....	172.14	172.31	172.37	171.96	172.35	172.10
11	178.37	.....	180.16	180.89	174.94	.....	172.10	172.37	172.43	171.87	172.25	172.01
12	.....	.....	180.00	181.11	174.92	.....	172.04	172.38	172.42	171.89	172.29	172.20
13	.....	.....	180.28	180.76	174.80	.....	172.15	172.33	172.23	172.04	172.01	172.06
14	.....	.....	180.55	180.58	174.83	.....	172.03	172.27	172.26	171.98	172.14	171.74
15	.....	.....	180.57	180.40	174.74	.....	172.27	172.31	172.36	172.00	172.03	171.80

69-3-6A1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	.....	179.80	180.66	180.71	174.64	.....	172.35	172.24	172.27	172.02	171.99	171.76
17	.....	.....	180.50	180.60	174.64	.....	172.17	172.26	172.22	172.15	171.94	171.59
18	178.40	.....	180.22	180.74	174.58	.....	172.05	172.13	172.07	172.44	171.91	171.72
19	178.82	.....	180.00	180.83	174.55	.....	172.08	172.24	172.11	172.51	171.92	171.94
20	179.00	.....	180.54	179.65	174.59	.....	171.98	172.30	172.04	172.36	171.98	171.87
21	179.58	.....	180.69	178.85	174.46	.....	172.03	.....	172.28	172.24	171.93	172.01
22	179.61	180.30	180.46	178.50	174.35	.....	172.05	.....	172.45	172.34	172.06	171.75
23	179.37	.....	180.62	178.05	174.33	.....	172.11	.....	172.47	172.37	171.66	171.71
24	179.36	.....	180.38	177.55	174.28	.....	172.18	.....	172.33	172.36	171.73	172.01
25	179.43	179.91	179.97	177.29	.....	.....	172.28	.....	172.38	172.18	171.97	171.86
26	179.57	179.93	.....	176.86	.....	.....	172.34	.....	172.27	171.98	171.94	171.83
27	179.79	179.96	.....	176.65	.....	.....	172.26	.....	172.15	172.22	171.60	171.80
28	179.80	180.19	.....	176.56	.....	.....	172.20	.....	172.09	171.94	171.64	172.02
29	179.65		.....	176.36	.....	.....	172.25	.....	172.08	171.95	172.15	171.55
30	.....		180.63	176.11	.....	.....	172.22	.....	172.20	172.00	172.32	171.87
31	.....		180.73		173.63		172.29	172.46		172.09		171.69

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: 1950-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	80.55	80.83	81.00	81.37	80.05	79.23	79.40	79.09	79.00	78.86	78.53	78.66
2	80.35	80.73	81.00	81.23	79.93	79.27	79.35	78.95	78.91	78.81	78.74	78.68
3	80.72	80.73	81.24	81.50	80.02	79.12	79.25	79.00	78.94	78.69	78.71	78.44
4	80.68	80.64	81.42	.....	80.05	.....	79.22	78.98	78.91	78.76	78.58	78.32
5	80.62	80.75	81.41	.....	79.98	.....	79.24	78.98	78.96	78.82	78.73	78.44
6	80.75	80.89	81.31	.....	79.86	.....	.....	79.09	78.95	79.02	78.55	78.76
7	80.73	81.12	81.18	.....	79.87	.....	79.04	79.09	78.95	79.18	78.63	78.70
8	80.63	80.81	81.28	.....	79.89	79.43	79.22	78.99	79.03	78.95	78.74	78.36
9	80.44	80.66	81.01	.....	79.94	79.41	79.23	79.02	78.92	78.76	78.85	78.24
10	80.53	80.62	80.97	81.25	79.99	79.41	79.22	79.05	78.93	78.60	78.89	78.47
11	80.26	80.89	80.91	81.40	79.90	79.38	79.18	79.12	79.00	78.47	78.83	78.45
12	80.45	81.20	80.83	81.60	79.90	79.37	79.09	79.12	79.01	78.40	78.87	78.55
13	80.38	80.89	80.86	81.40	79.91	79.44	79.14	79.08	78.91	78.59	78.68	78.55
14	80.29	80.68	81.19	81.11	79.88	79.39	79.05	79.01	78.82	78.48	78.67	78.31
15	80.37	80.61	81.41	80.94	79.81	79.22	79.20	79.03	78.92	78.57	78.64	78.23
16	80.55	80.81	81.54	81.05	79.73	79.18	79.28	78.97	78.92	78.60	78.46	78.26
17	80.84	81.06	81.46	81.07	79.75	79.27	79.19	79.01	78.87	78.67	78.43	78.10
18	80.58	81.06	81.18	81.04	79.74	79.35	79.04	78.92	78.76	78.91	78.41	78.11
19	80.54	80.91	80.80	81.17	79.72	79.34	79.07	78.98	78.73	79.05	78.39	78.30
20	80.47	80.57	81.11	80.96	79.81	79.27	79.03	79.04	78.69	78.94	78.41	78.35
21	80.92	80.65	81.32	80.73	79.76	79.21	79.04	.....	78.78	78.80	78.40	78.39
22	81.03	80.96	81.22	80.70	79.67	79.22	79.08	.....	78.98	78.84	78.48	78.30
23	80.85	80.82	81.24	80.63	79.67	79.35	79.14	.....	79.02	78.88	78.31	78.11
24	80.65	80.75	81.17	80.46	79.66	79.31	79.18	.....	78.94	78.87	78.19	78.34
25	80.77	80.66	80.77	80.37	79.70	79.22	79.25	.....	78.92	78.76	78.35	78.36
26	80.79	80.66	81.22	80.22	79.63	79.22	79.29	.....	78.84	78.61	78.42	78.28
27	80.87	80.56	81.24	80.07	79.49	79.32	79.22	.....	78.75	78.68	78.17	78.30
28	81.01	80.90	81.09	80.13	79.31	79.35	79.11	.....	78.68	78.57	78.09	78.39
29	80.84		81.17	80.09	79.40	79.30	79.06	.....	78.61	78.47	78.41	78.25
30	81.06		81.27	80.01	79.52	79.32	79.09	.....	78.69	78.54	78.73	78.21
31	81.09		81.33		79.38		79.08	.....		78.62		78.26

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: 1940-54. Jan. 12, 3.38; Apr. 20, 0.72; Aug. 3, 1.20; Oct. 7, 0.82.

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. No measurement made in 1954.

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: 1939-54. Jan. 13, 64.33; Apr. 21, 64.32; Aug. 3, 64.38; Oct. 7, 64.53.

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 157.19 below lsd, Apr. 28, 1954. Records available: 1945-54. Feb. 3, 155.14; Apr. 28, 157.19; Oct 27, 155.92.

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 151.32 below lsd, Oct. 27, 1954. Records available: 1946-50, 1953-54. Oct. 27, 151.32.

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 1,794-1,802, 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 93.30 below lsd, Oct. 27, 1954. Records available: 1945-54. Feb. 3, 90.98; Apr. 28, 91.69; Oct. 27, 93.30.

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 1954.

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: 1940-54. Feb. 5, 22.03; Apr. 29, 19.83; July 28, 17.04; Nov. 13, 14.40.

80-17-17K2. State Conservation Commission test hole 19. Drilled observation artesian well in Red Rock channel sandstone of Pennsylvanian age, diameter 7 inches, depth 122 feet, cased to 27. Land-surface datum is about 903 feet above msl. Highest water level 41.09 below lsd, Nov. 13, 1954; lowest 59.38 below lsd, Aug. 11, 1950. Records available: 1950-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	.....	.....	42.54	42.43	42.10	.....	.....	.....
2	.....	.....	.....	.....	.....	.....	42.40	42.41	42.11	.....	.....	.....
3	.....	.....	.....	.....	.....	.....	42.37	42.49	42.10	.....	.....	.....
4	.....	.....	.....	.....	.....	.....	42.40	42.43	42.04	.....	.....	.....
5	.....	44.35	.....	.....	43.79	.....	42.39	42.66	42.13	.....	.....	.....
6	.....	44.59	.....	.....	43.66	.....	.....	42.62	42.05	.....	.....	.....
7	.....	44.61	.....	.....	43.82	.....	.....	42.59	42.12	.....	.....	.....
8	44.10	44.21	.....	.....	43.82	.....	.....	42.57	42.10	.....	.....	.....
9	44.56	44.22	.....	.....	43.89	.....	.....	42.52	41.97	.....	.....	.....
10	44.38	44.29	.....	.....	43.77	.....	.....	42.66	42.10	.....	.....	.....
11	44.53	.....	.....	.....	43.75	.....	.....	42.65	42.04	.....	.....	.....
12	44.62	.....	.....	.....	.....	.....	.....	42.66	41.94	.....	.....	.....
13	44.18	.....	.....	.....	.....	.....	.....	42.62	41.87	.....	h41.09	.....
14	44.27	.....	.....	.....	.....	43.10	.....	42.59	42.09	.....	.....	h41.70
15	44.24	.....	.....	.....	.....	43.03	.....	42.57	42.04	.....	.....	.....

80-17-17K2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	44.55	.....	.....	.....	.....	43.03	.....	42.63	41.88	.....	.....	.....
17	44.40	.....	.....	.....	.....	43.06	.....	42.61	41.91	.....	.....	.....
18	44.24	.....	.....	.....	.....	43.05	.....	42.56	41.70	h41.75	.....	.....
19	44.20	.....	.....	.....	.....	42.99	.....	42.64	41.85	.....	.....	.....
20	44.72	.....	.....	.....	.....	42.87	.....	42.65	41.78	.....	.....	.....
21	.....	.....	.....	.....	.....	42.70	.....	42.62	42.15	.....	.....	.....
22	.....	.....	.....	.....	.....	42.83	.....	42.61	42.11	.....	.....	.....
23	.....	.....	.....	.....	.....	42.80	.....	42.65	42.01	.....	.....	.....
24	.....	.....	.....	.....	.....	42.61	.....	42.52	41.93	.....	.....	.....
25	.....	.....	.....	.....	.....	42.53	.....	42.37	41.98	.....	.....	.....
26	.....	.....	.....	.....	.....	42.68	.....	42.38	41.92	.....	.....	.....
27	.....	.....	.....	.....	.....	42.61	.....	42.35	41.83	.....	.....	.....
28	.....	.....	.....	.....	.....	42.53	.....	42.38	41.81	.....	.....	.....
29	.....		.....	.....	.....	42.47	42.50	42.33	41.87	.....	.....	.....
30	.....		.....	h43.83	.....	42.54	42.35	42.27	42.03	.....	.....	.....
31	.....		.....		.....		42.58	42.22		.....		.....

h Tape measurement.

80-17-17L1. State Conservation Commission test hole 1. Drilled observation well in Red Rock Channel sandstone of Pennsylvanian age, diameter 7 inches, depth 94 feet, cased to 41. Land-surface datum is about 859 feet above msl. Highest water level 1.14 below lsd, Oct. 28, 1954; lowest 16.47 below lsd, Oct. 20, 1950. Records available: 1950-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.51	2.57	2.46	2.49	2.32	2.04	1.72	1.95	....	....	1.40	1.75
2	2.43	2.48	2.54	2.58	2.05	1.89	1.66	1.88	....	....	1.55	1.47
3	2.74	2.62	2.72	2.70	....	1.84	1.66	2.00	....	....	1.32	1.57
4	2.48	2.58	2.74	2.53	....	1.88	1.70	1.95	....	....	1.43	1.63
5	2.51	2.60	2.63	2.42	2.08	1.80	1.74	1.98	....	....	1.46	1.90
6	2.67	2.73	2.47	2.43	2.04	1.70	1.64	1.99	....	....	1.39	1.90
7	2.57	2.74	2.56	2.49	2.16	1.74	1.73	1.96	....	....	1.45	1.57
8	2.37	2.42	2.52	2.77	2.17	1.80	1.81	1.88	....	....	1.55	1.47
9	2.71	2.44	2.39	2.47	2.23	1.75	1.78	1.90	....	....	1.56	1.73
10	2.72	2.51	2.37	2.50	2.20	1.75	1.77	1.98	....	....	1.54	1.90
11	2.63	2.81	2.38	2.69	2.15	1.72	1.78	1.99	....	....	1.49	1.93
12	2.88	2.70	2.29	2.67	2.20	1.78	1.84	1.97	....	....	1.50	2.18
13	2.58	2.32	2.58	2.38	2.19	1.78	1.88	1.94	....	....	1.33	2.15
14	2.52	2.36	2.69	2.33	2.19	1.65	1.87	1.89	....	....	1.50	2.10
15	2.53	2.53	2.82	2.24	2.14	1.62	1.98	1.93	....	....	1.37	2.35
16	2.74	2.69	2.74	2.48	2.16	1.40	1.98	1.92	....	....	1.32	2.42
17	2.82	2.70	2.46	2.29	2.23	1.47	1.87	1.90	....	....	1.40	2.53
18	2.47	2.54	2.32	2.43	2.18	1.54	1.91	1.81	....	.....	1.47	2.81
19	2.53	2.39	2.41	2.54	2.23	1.54	1.92	1.88	....	1.45	1.43	3.03
20	2.72	2.21	2.72	2.48	2.26	1.48	1.89	1.89	....	1.28	1.47	3.10
21	2.95	2.60	2.69	2.39	2.18	1.38	1.92	1.92	1.82	1.31	1.46	3.40
22	2.76	2.53	2.52	2.47	2.17	1.30	1.92	1.88	1.85	1.39	1.54	3.63
23	2.45	2.48	2.62	2.39	2.18	1.38	1.93	1.89	....	1.40	1.28	3.82
24	2.63	2.35	2.44	2.31	2.26	1.37	1.97	1.63	....	1.39	1.42	4.05
25	2.56	2.39	2.44	2.38	2.26	1.38	2.00	1.52	....	1.32	1.57	3.91
26	2.70	2.31	2.76	2.22	2.16	1.55	2.00	1.25	....	1.24	1.50	4.01
27	2.80	2.47	2.52	2.27	2.07	1.59	1.91	1.22	....	1.40	1.35	4.00
28	2.67	2.54	2.53	2.27	2.02	1.60	1.87	....	....	1.18	1.45	4.08
29	2.58		2.56	2.24	2.18	1.61	1.97	....	....	1.34	1.75	3.78
30	2.87		2.61	2.18	2.14	1.69	1.93	....	....	1.35	1.71	3.98
31	2.65		2.63		2.04		2.03	....		1.40		3.92

80-17-17M2. State Conservation Commission test hole 31. Drilled observation artesian well in Red Rock channel sandstone of Pennsylvanian age, diameter 7 inches, depth 189 feet, cased to 108. Land-surface datum is about 954 feet above msl. Highest water level 97.15 below lsd, Dec. 14, 1954; lowest 110.56 below lsd, Dec. 12, 1951. Records available: 1950-54.

80-17-17M2--Continued.

Daily noon water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	99.07	Feb. 7	99.66	May 5	98.98	June 19	98.82
9	99.61	8	99.04	6	98.80	20	98.64
10	99.73	9	98.94	7	99.00	21	98.48
11	99.55	10	98.98	8	99.05	22	98.69
12	99.97	11	99.65	9	99.18	23	98.80
13	99.51	Apr. 30	98.78	June 14	98.66	July 29	h98.31
14	99.27	May 1	99.16	15	98.55	Aug. 27	h98.14
15	99.24	2	98.70	16	98.58	Oct. 18	h98.10
Feb. 5	99.18	3	99.18	17	98.73	Nov. 13	h97.24
6	99.52	4	99.09	18	98.82	Dec. 14	h97.15

h Tape measurement.

80-17-20E1. State Conservation Commission test hole A-17. Drilled observation artesian well in Red Rock channel sandstone of Pennsylvanian age, diameter 5 inches, depth 110 feet, cased to 104. Land-surface datum is about 887 feet above msl. Highest water level 47.63 below lsd, Apr. 28, 1952; lowest 50.84 below lsd, Dec. 14, 1950. Records available: 1948-52. No measurement made in 1954.

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: 1948-54. Jan. 8, 5.16; July 29, 4.84; Aug. 27, 1.96; Oct. 18, 2.68; Nov. 13, 3.38.

80-17-28D2. State Conservation Commission test hole A-11. Driven observation water-table well in alluvial sand, diameter $1\frac{1}{4}$ inches, depth 14 feet, screen 12-14. Land-surface datum is about 836 feet above msl. Highest water level 1.58 below lsd, Aug. 27, 1954; lowest 5.88 below lsd, Dec. 14, 1950. Records available: 1948-54. Jan. 8, 4.97; July 29, 4.52; Aug. 27, 1.58; Oct. 18, 1.79; Nov. 13, 3.14.

Jefferson County

72-10-25A1. City of Fairfield well No. 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. Measurement discontinued.

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: 1950-54.

Jan. 1	7.36	Apr. 10	5.81	July 10	7.09	Oct. 2	7.36
8	7.44	16	5.72	16	7.44	9	6.57
16	7.45	24	5.50	24	7.56	15	5.17
22	7.46	May 1	3.64	31	7.89	23	6.40
30	7.44	8	4.70	Aug. 7	7.43	29	6.17
Feb. 5	6.98	15	6.57	14	7.75	Nov. 6	6.51
13	7.28	22	6.04	20	7.73	12	6.60
20	7.26	28	6.09	28	6.19	21	6.78
27	7.26	June 7	4.57	Sept. 3	6.69	26	6.96
Mar. 5	7.32	11	5.49	7	7.18	Dec. 4	6.97
14	7.06	20	6.17	16	7.46	11	7.08
19	7.13	26	6.34	18	7.49	18	7.08
27	6.16	July 3	6.81	25	7.74	24	7.15
Apr. 2	6.19						

80-5-22M1. Chicago, Rock Island and Pacific RR. Co. 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, 1953; lowest 18.63 below lsd, Dec. 28, 1949. Records available: 1941-54.

80-5-22M1--Continued.

Daily noon water level from recorder graph

Day	Jan.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.72	.....	13.52	14.35	17.69	15.90	17.90	13.45	16.40
2	17.71	.....	12.42	14.49	17.73	15.88	17.81	13.74	16.45
3	17.70	.....	10.70	14.62	17.78	15.94	17.71	13.89	16.42
4	17.75	.....	.....	14.77	17.80	.....	17.66	13.98	16.42
5	17.75	.....	.....	14.93	17.84	.....	17.52	14.16	16.53
6	17.75	.....	.....	15.05	17.86	.....	16.98	14.20	16.65
7	.....	.....	.....	15.15	17.84	.....	16.35	14.38	.....
8	.....	.....	.....	15.34	17.80	.....	15.71	14.56	.....
9	.....	.....	8.70	15.47	17.77	.....	15.28	14.72	.....
10	.....	.....	9.15	15.60	17.74	.....	14.77	14.85	.....
11	.....	.....	9.61	15.74	17.75	.....	9.02	14.90	.....
12	.....	.....	10.05	15.85	17.74	.....	7.45	15.01	.....
13	.....	.....	10.50	16.00	17.74	.....	7.23	15.01	.....
14	.....	.....	10.69	16.11	17.73	.....	7.38	15.09	.....
15	.....	.....	11.21	16.28	17.75	.....	7.67	15.19	.....
16	.....	.....	11.52	16.44	17.76	.....	7.90	15.20	.....
17	.....	.....	11.87	16.56	17.80	.....	8.26	15.29	.....
18	.....	11.97	12.20	16.64	17.81	17.27	8.88	15.40	.....
19	.....	12.25	12.49	16.75	17.85	17.32	9.45	15.50	.....
20	.....	12.51	12.70	16.84	17.88	17.39	9.87	15.58	.....
21	.....	12.70	12.88	16.94	17.91	17.49	10.25	15.66	.....
22	.....	12.85	13.03	17.03	17.93	17.58	10.73	15.74	.....
23	.....	13.01	13.22	17.12	17.97	17.66	11.16	15.78	.....
24	.....	13.17	13.33	17.20	17.99	17.71	11.54	15.81	.....
25	.....	13.35	13.40	17.27	18.01	17.77	11.83	15.94	.....
26	.....	13.47	13.53	17.34	17.88	17.82	12.04	16.03	.....
27	.....	13.54	13.73	17.39	17.30	17.87	12.35	16.01	.....
28	.....	13.58	13.88	17.45	16.77	17.92	12.57	16.05	.....
29	.....	13.74	14.05	17.50	16.35	17.96	12.76	16.21	.....
30	.....	13.87	14.17	17.57	16.08	17.93	13.04	16.36	.....
31	.....	13.88		17.62	15.96		13.30		16.96

* No record for February, March, and April.

80-5-22M2. Chicago, Rock Island and Pacific RR. Co. Drilled unused artesian well, diameter 5 inches, depth 82 feet. Highest water level 8.15 below lsd, Apr. 21, 1952; lowest 20.21 below lsd, Aug. 31, 1948. Records available: 1941-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	17.79	July 9	17.38	Sept. 18	18.39	Nov. 23	17.37
May 18	16.37	Sept. 1	18.08	Nov. 4	17.20	Dec. 31	17.29
June 9	15.79						

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 8.76 below lsd, Feb. 2, 1954. Records available: 1950-54. Feb. 2, 8.76; Apr. 28, 6.87; July 27, 8.08; Oct. 27, 7.84.

Linn County

85-6-19-J1. 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: 1940-54.

Jan. 26	5.99	Apr. 29	4.49	July 28	6.50	Nov. 1	5.12
Feb. 26	6.11	May 27	5.83	Aug. 31	4.84	30	5.28
Apr. 1	5.34	June 28	5.98	Sept. 30	4.73	Dec. 30	3.69

85-6-26D2. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 14 feet, perforations 9-14. Highest water level 0.21 below lsd, Apr. 26, 1951; lowest 9.05 below lsd, Feb. 26, 1954. Records available: 1940-54.

Jan. 26	8.85	Apr. 29	2.63	July 28	4.83	Nov. 1	3.71
Feb. 26	9.05	May 27	3.80	Aug. 31	3.36	30	4.72
Apr. 1	8.52	June 28	3.72	Sept. 30	4.23	Dec. 30	4.08

85-6-29B1. Earl Balderson. Drilled unused artesian well in glacial sand, diameter 5 inches, depth 147 feet. Highest water level 56.67 below lsd, June 27, 1947; lowest 65.70 below lsd, Apr. 1, 1954. Records available: 1940-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	65.05	Apr. 29	65.43	July 28	63.49	Nov. 1	62.06
Feb. 26	65.10	May 27	63.90	Aug. 31	63.01	30	62.06
Apr. 1	65.70	June 28	63.08	Sept. 30	62.90	Dec. 30	62.66

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: 1948-54. Jan. 26, 9.20; Feb. 26, 9.90; Apr. 1, 8.81; Apr. 29, 5.01; May 27, 4.85; June 28, 4.91; July 28, 6.91. Measurement discontinued.

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: 1940-54.

Jan. 26	10.44	Apr. 29	2.66	July 28	6.15	Nov. 1	3.94
Feb. 26	10.68	May 27	3.73	Aug. 31	3.84	30	4.59
Apr. 1	7.45	June 28	3.73	Sept. 30	4.45	Dec. 30	3.42

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: 1940-54.

Jan. 26	9.63	Apr. 29	3.39	July 28	6.57	Nov. 1	4.69
Feb. 26	9.76	May 27	4.58	Aug. 31	4.21	30	5.55
Apr. 1	8.47	June 28	5.02	Sept. 30	5.57	Dec. 30	4.71

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: 1940-54.

Apr. 1	9.18	June 28	4.50	Sept. 30	6.58	Nov. 30	5.59
29	8.50	July 28	6.17	Nov. 1	4.72	Dec. 30	5.45
May 27	5.29	Aug. 31	5.78				

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 1954.

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: 1940-54.

Jan. 26	32.20	Apr. 29	29.43	July 28	30.65	Nov. 1	29.61
Feb. 26	32.35	May 27	28.97	Aug. 31	30.69	30	30.88
Apr. 1	32.35	June 28	28.91	Sept. 30	31.04	Dec. 30	31.37

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: 1940-54.

Jan. 26	90.93	Apr. 29	89.86	July 28	89.87	Nov. 1	88.90
Feb. 26	90.94	May 27	88.87	Aug. 31	89.82	30	89.32
Apr. 1	91.06	June 28	88.02	Sept. 30	90.10	Dec. 30	88.88

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 1954.

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: 1940-54.

Jan. 26	21.20	Apr. 29	20.63	July 28	21.08	Nov. 1	20.60
Feb. 26	21.01	May 27	20.75	Aug. 31	20.40	30	21.04
Apr. 1	21.22	June 28	17.96	Sept. 30	21.13	Dec. 30	21.02

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 71.46 below lsd, July 12, 1954. Records available: 1943-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	69.55	70.19	.....	.....	.....	69.65	.....	70.03	.....	.....	69.28	69.81
2	69.53	70.21	.....	.....	69.21	69.69	.....	70.33	.....	.....	69.43	69.68
3	69.41	70.29	.....	.....	69.46	69.64	.....	70.63	.....	69.46	69.40	69.68
4	69.85	70.29	.....	69.80	69.55	69.62	70.31	70.70	.....	70.05	69.49	69.63
5	70.03	70.30	.....	69.73	69.57	69.28	70.15	70.67	.....	69.93	69.47	69.22
6	70.22	70.30	.....	70.15	69.57	69.13	70.64	70.68	.....	69.85	69.17	69.51
7	70.23	69.73	69.71	70.21	69.67	69.61	71.05	70.31	.....	69.76	68.99	69.74
8	70.21	70.00	69.95	70.23	69.23	.....	71.09	70.15	.....	69.72	69.37	69.74
9	70.26	70.17	70.13	70.16	69.13	70.06	71.15	70.55	.....	69.39	69.53	69.81
10	70.13	70.27	70.14	70.07	69.40	70.21	70.80	70.88	.....	69.12	69.58	69.85
11	70.14	70.33	70.15	69.77	69.65	70.41	70.47	70.96	.....	69.27	69.62	69.45
12	70.17	70.30	70.12	69.91	69.77	70.37	71.01	70.94	.....	69.52	69.66	69.19
13	70.08	70.23	70.23	70.05	69.86	70.01	71.35	70.98	.....	.....	69.28	.....
14	70.12	69.77	69.77	.....	69.80	70.30	67.47	70.62	.....	.....	69.23	.....
15	70.14	70.09	70.11	.....	69.56	70.65	67.29	70.37	.....	.....	69.38	.....
16	70.15	70.29	70.25	.....	69.47	70.71	65.23	70.73	.....	.....	69.59	.....
17	69.62	70.27	70.22	.....	69.87	70.82	64.79	70.95	.....	68.81	69.66	.....
18	69.94	70.27	70.20	69.74	70.05	70.89	64.62	70.71	.....	69.15	69.67	.....
19	70.17	70.25	70.27	69.95	70.15	70.52	.....	70.75	.....	69.26	69.62	.....
20	70.24	70.19	70.30	70.13	70.11	70.29	.....	70.87	.....	69.31	69.21	.....
21	70.21	69.79	69.88	70.02	70.13	70.60	64.97	70.46	.....	69.35	69.10	.....
22	70.22	70.06	69.99	70.03	69.77	70.83	64.93	70.18	.....	69.39	69.43	.....
23	69.95	70.19	70.22	69.99	69.69	70.96	64.90	70.60	.....	69.10	69.55	.....
24	69.86	70.17	70.18	70.00	70.07	70.96	64.59	70.68	.....	68.91	69.62	.....
25	69.79	70.22	70.26	69.52	70.19	70.96	.....	70.79	.....	69.21	69.28	.....
26	69.85	70.11	70.33	69.64	.....	70.52	.....	70.72	.....	69.41	69.41	.....
27	69.90	70.10	70.21	69.87	.....	70.14	.....	70.60	.....	69.53	69.03	.....
28	70.15	69.61	69.81	.....	.....	70.31	.....	.....	.....	69.47	68.99	.....
29	70.20		.....	.....	.....	70.53	.....	70.02	.....	69.57	69.50	.....
30	70.20		.....	.....	69.41	.....	.....	70.30	.....	69.19	69.70	.....
31	70.21		.....		69.32		.....	70.49		68.91		.....

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. Measurement discontinued.

83-7-23G1. City of Cedar Rapids. Bever Park. Drilled 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: 1940-54. Jan. 26, 2.61; Feb. 26, 2.49; Apr. 1, 2.38; Apr. 29, 2.16; May 27, 1.99. Measurement discontinued.

83-7-24A1. John Zrudsky. Drilled artesian well in limestone, diameter 4 inches, depth 96 feet. Highest water level 23.56 below lsd, June 27, 1947; lowest 36.93 below lsd, Nov. 30, 1953. Records available: 1940-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	30.55	Apr. 29	31.17	Aug. 31	30.62	Nov. 30	30.22
Feb. 26	33.63	May 27	30.37	Sept. 30	30.85	Dec. 30	30.24
Apr. 1	31.60	July 28	34.55	Nov. 1	31.17		

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 95.69 below lsd, Apr. 29, 1954. Records available: 1940-54.

Jan. 26	93.90	Apr. 29	95.69	July 28	94.00	Nov. 1	89.23
Feb. 26	93.79	May 27	94.43	Aug. 31	92.10	30	89.30
Apr. 1	94.98	June 28	91.82	Sept. 30	92.42	Dec. 30	90.22

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: 1940-54.

Jan. 26	73.33	Apr. 29	73.70	July 28	73.89	Nov. 1	73.54
Feb. 26	73.43	May 27	73.75	Aug. 31	73.87	30	73.43
Apr. 1	73.58	June 28	73.86	Sept. 30	73.75	Dec. 30	73.28

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: 1940-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	51.85	Apr. 29	51.56	July 28	52.11	Nov. 1	51.30
Feb. 26	51.83	May 27	51.45	Aug. 31	52.12	30	51.45
Apr. 1	52.32	June 28	50.52	Sept. 30	53.12	Dec. 30	51.54

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: 1950-54.

Jan. 26	43.41	Apr. 29	43.05	Aug. 31	47.72	Nov. 30	43.20
Feb. 26	46.40	July 28	49.80	Nov. 1	41.39	Dec. 30	38.71

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, 1947-54. Jan. 12, 3.37; Apr. 20, 1.13; Aug. 3, 2.79; Oct. 7, 2.21.

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: 1940-54. Feb. 4, 15.44; Apr. 29, 15.52; July 28, 13.84; Oct. 28, 15.52.

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. Water levels affected by nearby pumping wells. Land-surface datum is 720 feet above msl. Highest water level 2.70 below lsd, June 8, 1951; lowest 21.68 below lsd, Feb. 7, 1950. Records available: 1949-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.26	20.36	20.31	19.89	19.39	18.18	.....	16.16	13.77	15.62	14.76	16.82
2	20.26	20.37	20.28	19.84	19.29	18.09	.....	16.24	12.43	15.84	14.82	16.88
3	20.29	20.34	20.21	19.98	19.11	18.19	.....	16.28	11.27	15.84	14.84	16.82
4	20.26	20.35	20.18	19.86	19.15	18.03	.....	16.31	10.77	15.86	14.90	16.93
5	20.29	20.37	20.15	19.75	19.07	17.96	.....	16.28	10.36	16.02	14.95	16.88
6	20.29	20.42	20.16	19.75	18.97	17.96	.....	16.56	10.24	15.92	15.05	16.86
7	20.32	20.42	20.20	19.75	18.88	17.56	.....	16.76	10.46	15.92	15.14	16.88
8	20.27	20.38	20.15	19.74	18.84	17.40	.....	16.80	10.66	15.76	15.12	16.88
9	20.30	20.38	20.12	19.81	18.68	17.05	.....	16.81	10.92	15.74	15.20	16.97
10	.....	20.32	20.10	19.83	18.44	16.93	.....	16.90	11.26	15.63	15.28	17.04
11	.....	20.34	20.09	19.72	18.39	.....	.....	16.90	11.70	15.55	15.33	17.18
12	.....	20.34	20.08	19.64	18.21	.....	.....	17.08	11.86	15.54	15.38	17.13
13	.....	20.41	20.20	19.57	18.22	17.02	.....	17.17	12.05	15.43	15.50	17.11
14	.....	20.43	20.20	19.49	18.18	16.81	.....	17.22	12.30	15.34	15.54	17.20
15	.....	20.41	20.17	19.63	18.34	16.53	.....	17.28	12.61	15.36	15.54	17.26
16	20.28	20.42	20.13	19.68	18.10	16.38	.....	17.28	12.88	15.31	15.65	17.30
17	20.28	20.42	20.05	19.78	18.06	16.19	.....	17.42	13.05	15.15	15.72	17.32
18	20.22	20.42	20.04	19.63	18.15	15.82	13.20	17.51	13.48	15.03	15.75	17.50
19	20.23	20.43	20.10	19.53	18.02	15.72	13.41	17.74	13.63	14.86	15.90	17.45
20	20.20	20.49	20.13	19.40	18.14	15.54	13.60	17.70	13.80	14.64	15.99	17.46
21	20.20	20.48	20.21	19.62	18.19	15.40	13.94	17.77	14.09	14.65	15.99	17.50
22	20.24	20.45	20.14	19.62	18.24	15.27	14.15	17.71	14.21	14.54	16.00	17.56
23	20.32	20.42	20.05	19.68	18.27	15.30	14.20	17.79	14.41	14.74	16.06	17.60
24	20.33	20.40	20.05	19.69	18.26	15.03	14.52	17.67	14.64	14.56	16.11	17.64
25	20.26	20.38	19.99	19.64	18.34	.....	14.79	17.66	14.96	14.52	16.18	17.77
26	20.26	20.36	19.93	19.50	18.30	.....	14.86	17.30	15.03	14.51	16.21	17.65
27	20.30	20.37	20.04	19.48	18.32	.....	15.16	16.94	15.11	14.53	16.23	17.74
28	20.28	20.38	20.16	19.43	18.16	.....	15.44	16.55	15.28	14.62	16.35	17.79
29	20.34		20.06	19.40	18.44	.....	15.64	16.04	15.36	14.63	16.44	17.84
30	20.38		19.95	19.15	18.45	.....	15.84	15.46	15.58	14.76	16.54	17.94
31	20.38		19.93		18.30		16.09	14.94		14.74		17.86

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. Measurement discontinued.

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: 1940-54. Feb. 4, 24.35; Apr. 29, 16.33; July 28, 16.73; Oct. 28, 13.55.

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, 1948-54. Feb. 4, 81.44; Apr. 29, 81.51; July 28, 81.92; Oct. 28, 84.52.

74-21-11K1. Town of Melcher test well 3. Drilled artesian well in glacial sand and gravel, depth 119 feet, cased to 76. Water levels affected by nearby pumping well. Land-surface datum is 942.8 feet above msl. Highest water level 46.03 below lsd, July 14, 1945; lowest 108.85 below lsd, Dec. 4, 1949. Records available: 1945-54.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	106.44	106.63	106.75	106.80	107.29	107.64	107.65	107.04	107.67	107.61	106.90
2	.....	106.36	106.73	106.94	106.75	107.25	107.66	107.70	107.35	107.65	107.37	106.94
3	.....	106.33	106.83	106.80	106.65	107.27	107.65	107.65	107.40	107.65	107.30	107.02
4	.....	106.55	106.85	106.70	106.89	107.28	107.67	107.65	107.39	107.75	107.20	107.03
5	.....	106.73	.....	106.85	106.95	107.28	107.63	107.56	107.45	107.75	106.95	107.11
6	.....	106.55	.....	107.11	107.00	107.31	107.63	107.76	107.45	107.70	106.65	107.10
7	.....	106.19	106.91	107.20	107.06	107.33	107.65	107.61	107.40	107.68	106.95	107.15
8	.....	106.13	106.80	107.25	107.17	107.37	107.65	107.65	107.58	107.67	107.11	107.11
9	.....	106.43	106.65	107.20	107.20	107.29	107.65	107.65	107.50	107.65	107.11	106.75
10	.....	106.55	106.85	107.15	107.18	107.27	107.65	107.71	107.61	107.61	107.25	106.95
11	.....	106.79	106.93	107.17	107.22	107.20	107.65	107.66	107.59	107.65	107.27	106.65
12	.....	106.42	106.94	107.23	107.26	106.95	107.69	107.65	107.59	107.63	107.42	106.85
13	.....	106.31	106.95	107.20	107.26	107.15	107.70	107.70	107.60	107.67	107.37	106.85
14	.....	106.53	106.76	107.20	107.30	107.25	107.70	107.75	107.60	107.65	107.15	106.97
15	.....	106.65	106.97	107.21	107.05	107.26	107.70	107.75	107.60	107.65	106.90	107.08
16	.....	106.75	107.11	107.26	106.94	107.33	107.72	107.75	107.65	107.67	106.70	106.95
17	.....	106.85	107.15	107.30	107.04	107.35	107.71	107.75	107.70	107.65	106.50	106.95
18	.....	106.52	107.14	107.24	107.04	107.35	107.65	107.73	107.63	107.75	106.30	106.94
19	.....	106.45	107.11	107.30	106.85	107.35	107.70	107.76	107.62	107.71	106.20	107.01
20	.....	106.53	107.04	107.30	106.75	107.39	107.75	107.75	107.62	107.68	106.45	107.12
21	.....	106.72	107.19	107.25	106.97	107.43	107.75	107.71	107.65	107.75	106.55	107.20
22	.....	106.79	107.23	107.32	107.05	107.41	107.72	107.65	107.65	107.74	106.63	107.23
23	.....	106.85	107.25	107.30	107.05	107.51	107.74	107.69	107.65	107.72	106.32	107.33
24	.....	107.00	107.25	107.22	107.15	107.51	107.74	107.75	107.70	107.68	106.00	107.25
25	.....	106.52	107.25	107.15	107.33	107.50	107.70	107.75	107.65	107.70	105.85	107.25
26	.....	106.35	107.21	107.20	107.35	107.55	107.70	107.72	107.69	107.70	106.30	107.23
27	106.65	106.30	107.05	107.20	107.35	107.55	107.76	107.71	107.65	107.59	106.50	107.27
28	106.71	106.60	106.91	106.91	107.25	107.63	107.75	107.63	107.65	107.57	106.75	107.00
29	106.70		106.82	106.85	107.33	107.61	107.73	107.41	107.67	107.63	106.81	106.95
30	106.85		107.00	106.85	107.37	107.65	107.69	107.35	107.65	107.63	107.01	106.85
31	106.55		106.85		107.30		107.72	107.25		107.60		106.78

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	107.60	107.67	107.77	107.79	108.05	108.27	108.30	106.02	108.33	108.30	107.87
2	.....	106.87	107.68	107.87	107.05	108.05	108.30	108.36	108.15	108.31	107.85	107.85
3	.....	107.50	107.77	107.27	107.76	108.04	108.30	108.29	108.15	108.35	108.07	107.85
4	.....	107.67	107.77	107.75	107.85	108.05	108.28	108.35	108.20	108.37	107.50	107.77
5	.....	107.75	.....	107.80	107.85	108.05	108.25	108.25	108.15	108.36	107.21	107.77
6	.....	107.05	.....	108.00	107.94	107.99	108.29	108.36	108.17	108.35	107.63	107.89
7	.....	106.55	107.93	108.05	107.97	107.97	108.28	108.28	108.25	108.33	107.87	107.89
8	.....	107.43	107.45	108.03	108.05	107.95	108.32	108.30	108.26	108.31	107.95	107.91
9	.....	107.50	107.75	107.99	107.95	107.85	108.33	108.37	108.27	108.35	107.97	107.11
10	.....	107.69	107.80	107.94	108.03	107.78	108.31	108.35	108.29	108.13	108.03	107.80
11	.....	107.76	107.83	107.96	108.05	107.55	108.27	108.30	108.29	108.30	108.03	107.95
12	.....	107.03	107.91	108.05	108.05	107.85	108.35	108.33	108.25	108.33	108.13	107.75
13	.....	107.50	107.92	108.00	108.13	107.99	108.35	108.35	108.30	108.33	108.13	107.85
14	.....	107.55	107.75	107.97	108.07	108.06	108.35	108.37	108.29	108.30	107.95	107.80
15	.....	107.65	107.87	108.05	107.45	108.05	108.37	108.39	108.29	108.33	107.15	107.80

74-21-11K1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	.....	107.76	107.96	108.10	107.76	108.15	108.37	108.39	108.33	108.35	107.90	107.75
17	.....	107.75	107.95	108.13	107.76	108.15	108.28	108.36	108.35	108.35	106.70	107.80
18	.....	107.00	107.95	107.99	107.85	108.15	108.30	108.36	108.33	108.40	106.50	107.85
19	.....	107.53	107.85	108.11	107.27	108.15	108.38	108.37	108.28	108.37	107.40	107.91
20	.....	107.63	107.98	108.10	107.85	108.15	108.37	108.37	108.32	108.35	107.47	107.90
21	.....	107.69	107.99	108.09	107.91	108.19	108.36	108.33	108.35	108.40	107.60	107.97
22	.....	107.75	108.05	108.10	107.90	108.31	108.37	108.27	108.35	108.37	107.65	108.06
23	.....	107.90	108.05	108.08	107.95	108.25	108.35	108.37	108.35	108.37	106.63	108.07
24	.....	107.95	108.02	107.95	108.05	108.23	108.38	108.35	108.35	108.35	106.32	108.05
25	.....	107.00	108.05	107.95	108.13	108.25	108.33	108.27	108.35	108.37	107.10	108.06
26	.....	106.62	107.89	108.05	108.13	108.25	108.38	108.25	108.35	108.36	107.29	107.99
27	107.69	107.51	107.86	107.89	108.05	108.25	108.41	108.18	108.33	108.16	107.45	108.06
28	107.68	107.55	107.35	107.27	108.05	108.25	108.35	108.18	108.28	108.28	107.65	107.38
29	107.70		107.83	107.87	108.11	108.27	108.38	107.80	108.33	108.29	107.70	107.90
30	107.76		107.95	107.30	108.03	108.28	108.35	107.95	108.33	108.31	107.78	107.30
31	107.13		107.32		108.09		108.35	107.33		108.25		107.80

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: 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	13.32	Apr. 8	11.15	July 8	13.18	Oct. 7	12.53
14	13.57	15	11.15	15	13.83	14	11.63
21	13.44	22	10.75	22	13.46	21	11.79
28	13.59	29	10.00	29	14.22	28	11.83
Feb. 4	13.66	May 6	9.63	Aug. 5	14.54	Nov. 4	11.73
11	13.85	13	10.09	12	14.19	11	11.92
18	13.86	20	10.55	19	13.36	18	11.99
25	12.91	27	10.30	26	12.28	25	11.99
Mar. 4	12.80	June 3	9.65	Sept. 2	12.35	Dec. 2	11.27
11	12.86	10	9.30	9	13.09	9	11.42
18	12.97	17	10.96	16	13.14	16	11.68
25	12.20	24	11.59	23	13.95	23	11.73
Apr. 1	11.85	July 1	12.55	30	13.83	30	11.14

74-21-11L1. Town of Melcher. North A and West First Sts. Drilled observation artesian well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 93 feet, screen 91-93. Water levels affected by pumping of nearby well. Highest water level 31.38 below lsd, Aug. 27, 1953; lowest 55.16 below lsd, Mar. 4, 1954. Records available: 1953-54.

Jan. 7	53.45	Apr. 8	54.52	July 8	51.45	Oct. 7	52.84
14	53.74	15	54.04	15	51.74	14	47.94
21	54.49	22	54.03	22	51.78	21	50.39
28	54.44	29	53.33	29	51.95	28	50.05
Feb. 4	54.77	May 6	52.34	Aug. 5	52.04	Nov. 4	50.17
11	54.75	13	51.42	12	52.29	11	49.55
18	55.06	20	51.70	19	52.07	18	48.16
25	54.60	27	50.80	26	51.69	25	49.25
Mar. 4	55.16	June 3	49.36	Sept. 2	50.98	Dec. 2	49.50
11	55.04	10	50.69	9	50.32	9	47.96
18	54.63	17	50.64	16	53.76	16	50.29
25	54.29	24	51.02	23	54.11	23	47.94
Apr. 1	54.68	July 1	51.09	30	50.70	30	50.77

74-20-22C1. Grant DeWitt. Dug unused water-table well in glacial drift, diameter $4\frac{1}{2}$ feet, depth 32 feet, cribbed with brick. Highest water level 2.60 below lsd, Apr. 23, 1947; lowest 25.95 below lsd, Apr. 29, 1954. Records available: 1942-54. Feb. 3, 27.97; Apr. 29, 25.95; July 28, 20.09; Oct. 28, 19.23.

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: 1940-54. Feb. 3, 12.50; Apr. 29, 13.47; July 28, 14.00; Oct. 28, 14.23.

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: 1949-54. Jan. 11, 7.08; Apr. 18, 7.38; Aug. 2, 6.89; Oct. 6, 6.79.

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: 1949-54. Jan. 11, 10.30; Apr. 18, 10.38; Aug. 2, 10.80; Oct. 6, 7.76.

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 16.20 below lsd, Feb. 20, July 28, 1954. Records available: 1952-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	10.70	Mar. 5	12.25	July 28	16.20	Oct. 26	9.20
Feb. 20	16.20	May 31	10.40	Sept. 8	13.20	Dec. 24	4.25

Montgomery County

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. Measurement discontinued.

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: 1937-54.

Jan. 25	18.97	Apr. 8	29.10	Aug. 2	28.07	Nov. 12	21.36
Feb. 23	22.44	June 4	20.58	Sept. 27	20.78	Dec. 30	23.15
Mar. 31	28.15	28	20.97	Oct. 29	20.95		

71-38-11R1. E. F. Holquist. Dug unused water-table well in glacial drift, diameter 36 inches, depth 28 feet, cribbed with brick. Highest water level 2.28 below lsd, Apr. 25, 1952; lowest 25.15 below lsd, Jan. 26, 1944. Records available: 1934-53. No measurement made in 1954.

71-38-35B1. Mr. Mainquist. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 18 feet. Highest water level 0.34 below lsd, Apr. 27, 1951; lowest 17.75 below lsd, Apr. 28, 1954. Records available: 1937-54.

Feb. 23	11.34	June 4	15.44	Aug. 30	6.72	Nov. 12	5.47
Mar. 31	14.96	28	12.02	Sept. 27	13.20	Dec. 30	17.30
Apr. 28	17.75	Aug. 2	15.95	Oct. 29	6.00		

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: 1937-54.

Jan. 25	6.00	Apr. 28	7.74	Aug. 2	6.40	Oct. 29	14.90
Feb. 23	7.48	June 4	11.31	30	4.46	Nov. 12	8.10
Mar. 31	8.00	28	4.95	Sept. 27	6.82	Dec. 30	8.23

71-36-6J1. Donald Templeton. Drilled observation water-table well in glacial drift, diameter $1\frac{1}{4}$ 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: 1950-54.

Jan. 25	18.05	Apr. 28	15.85	Aug. 2	15.03	Oct. 29	16.10
Feb. 23	15.99	June 4	15.60	30	15.44	Nov. 12	16.05
Mar. 31	15.90	28	13.35	Sept. 27	14.09	Dec. 30	15.10

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: 1949-54. Apr. 28, 11.64; July 27, 11.81; Oct. 27, 11.99.

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: 1939-54. Apr. 28, 11.35; July 27, 11.72; Oct. 27, 10.18.

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: 1940-54. Apr. 28, 11.62; July 27, 11.61; Oct. 27, 10.40.

Page County

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: 1934-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	25.46	Apr. 28	25.82	Aug. 2	24.80	Oct. 29	24.20
Feb. 23	26.30	June 4	25.88	30	23.00	Nov. 12	24.47
Mar. 31	24.60	28	25.19	Sept. 27	27.13		

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: 1934-54.

Jan. 25	8.97	Apr. 28	9.06	Aug. 2	8.20	Nov. 12	8.32
Feb. 23	9.02	June 4	8.38	30	8.07	Dec. 30	8.10
Mar. 31	9.07	28	6.40	Sept. 27	8.45		

69-39-35B1. Elsie Nordstrom. Drilled observation water-table well in glacial drift, diameter 6 inches, depth 30 feet. Highest water level 2.79 below lsd, Apr. 25, 1944; lowest 24.40 below lsd, May 21, 1954. Records available: 1937-54.

Jan. 28	20.49	May 21	24.40	Aug. 31	20.83	Nov. 9	19.85
Feb. 22	20.87	June 30	22.50	Sept. 20	21.98	Dec. 29	21.46
Mar. 27	21.80	July 26	22.76	Oct. 29	18.83		

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: 1937-54.

Jan. 28	18.30	May 21	21.20	Aug. 31	20.05	Nov. 9	18.00
Feb. 22	19.35	June 30	19.18	Sept. 20	18.70	Dec. 29	17.20
Mar. 27	20.96	July 26	19.10	Oct. 29	14.32		

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: 1938-54.

Jan. 28	21.80	Apr. 28	23.40	July 26	20.40	Nov. 9	20.85
Feb. 22	22.27	May 21	23.25	Aug. 31	21.10	Dec. 29	22.14
Mar. 27	22.93	June 28	21.08	Oct. 29	21.69		

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: 1938-54.

Jan. 28	20.77	Apr. 28	21.47	July 26	19.44	Nov. 9	20.08
Feb. 22	21.26	May 21	22.56	Aug. 31	19.17	Dec. 29	22.00
Mar. 27	25.46	June 28	22.90	Oct. 29	19.98		

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: 1938-54.

Jan. 28	14.96	Apr. 28	16.80	July 26	13.60	Nov. 9	14.54
Feb. 22	14.90	May 21	16.86	Aug. 31	13.74	Dec. 29	15.16
Mar. 27	20.90	June 28	12.70	Oct. 29	11.79		

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: 1938-54.

Jan. 28	11.04	Apr. 28	12.16	July 26	9.15	Nov. 9	9.35
Feb. 22	11.27	May 21	12.05	Aug. 31	8.85	Dec. 29	11.40
Mar. 27	11.95	June 28	9.07	Oct. 29	9.70		

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: 1934-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	4.42	Apr. 26	6.15	July 26	5.54	Nov. 9	4.55
Feb. 22	4.35	May 21	4.94	Aug. 31	4.20	Dec. 29	5.20
Mar. 27	4.86	June 28	4.69	Oct. 25	3.57		

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: 1937-54.

Jan. 28	7.35	Apr. 26	7.45	Aug. 31	6.80	Oct. 25	7.60
Feb. 22	7.45	June 30	6.14	Sept. 27	6.64	Dec. 29	6.60
Mar. 27	7.14	July 26	6.44				

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. Measurement discontinued.

69-38-34B1. Mr. Burton. Drilled observation water-table well in glacial drift, diameter 1½ 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: 1937-54.

Jan. 25	30.08	Apr. 28	30.10	Aug. 2	31.40	Oct. 29	29.07
Feb. 23	30.73	June 4	30.60	30	25.88	Nov. 12	29.45
Mar. 31	27.51	28	28.40	Sept. 27	29.66	Dec. 30	29.80

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: 1934-54.

Jan. 25	35.60	June 4	40.30	Aug. 30	21.48	Nov. 12	24.70
Mar. 31	34.32	28	32.52	Sept. 27	22.30	Dec. 30	19.70
Apr. 28	35.45	Aug. 2	32.58	Oct. 29	31.07		

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, 1949-54.

Jan. 25	28.40	Apr. 28	23.45	Aug. 2	21.40	Oct. 29	20.26
Feb. 23	23.19	June 4	26.10	30	16.70	Nov. 12	19.15
Mar. 31	23.30	28	15.95	Sept. 27	18.20	Dec. 30	22.96

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: 1934-54.

Jan. 28	15.80	Apr. 26	15.85	July 26	13.41	Oct. 25	15.48
Feb. 22	15.90	May 21	15.70	Aug. 31	14.63	Nov. 9	17.65
Mar. 27	15.85	June 30	11.34	Sept. 20	15.18	Dec. 29	15.55

68-38-29P1. Metropolitan Life Insurance Co. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 18 feet. Highest water level 4.82 below lsd, Mar. 27, 1942; lowest 15.84 below lsd, Oct. 25, 1954. Records available: 1937-54.

Jan. 28	13.00	Apr. 26	13.05	July 26	14.56	Oct. 25	15.84
Feb. 22	12.08	May 21	12.38	Aug. 31	10.70	Nov. 9	14.27
Mar. 27	12.82	June 30	12.50	Sept. 20	14.87	Dec. 29	11.38

67-38-20Q1. Albert Nordholm. Dug unused water-table well in glacial drift, diameter 36 inches, depth 20 feet, cribbed with brick. Highest water level 9.88 below lsd, June 23, 1947; lowest 29.40 below lsd, Dec. 30, 1954. Records available: 1934-54.

Jan. 28	21.35	Apr. 27	20.90	July 26	18.24	Oct. 25	23.72
Feb. 22	20.33	May 21	23.40	Aug. 31	23.40	Nov. 9	28.90
Mar. 27	21.60	June 30	20.65	Sept. 20	27.90	Dec. 30	29.40

67-38-21C1. Metropolitan Life Insurance Co. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 29 feet, lined with tile. Highest water level 0.00, Apr. 24, 1952; lowest 11.22 below lsd, Sept. 24, 1941. Records available: 1934-54.

Feb. 22	7.68	June 30	6.96	Sept. 20	8.28	Nov. 9	8.02
Apr. 27	7.77	July 26	7.58	Oct. 25	7.89	Dec. 30	8.35
May 21	7.71	Aug. 31	7.70				

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 dry, Jan. 13, 1954. Records available: 1940-54. Jan. 13, dry; Apr. 21, 0.53; Aug. 4, 0.45. Measurement discontinued.

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, 1948-54. Jan. 13, 17.77; Apr. 21, 17.13; Aug. 4, 16.47; Oct. 8, 16.64.

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: 1940-54. Jan. 13, 1.19; Apr. 21, 0.82; Aug. 4, 2.32; Oct. 8, 0.32.

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: 1940-54. Feb. 4, 8.17; Apr. 29, 3.78; July 28, 6.32; Oct. 28, 5.93.

78-25-10N1. City of West Des Moines. Drilled unused water-table well in alluvial sand and gravel, diameter 12 inches, depth 33 feet. Water levels affected by nearby pumping wells. Highest water level 8.85 below lsd, July 7, 1952; lowest 24.87 below lsd, Aug. 7, 1954. Records available: 1951-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.27	20.72	21.90	22.52	22.43	22.25	.....	24.66	23.40	22.60	21.76	21.44
2	20.37	20.95	21.88	22.49	22.11	22.35	.....	.....	23.32	22.60	22.11	21.32
3	20.52	20.98	21.85	22.71	22.11	22.38	23.61	.....	23.22	22.46	21.96	21.49
4	20.66	20.99	21.90	22.56	22.00	22.39	23.51	.....	23.26	22.57	21.77	21.23
5	20.52	20.90	21.99	22.76	21.96	22.38	23.57	.....	23.15	22.67	.....	21.35
6	20.62	20.72	21.93	22.70	21.99	22.23	23.61	.....	23.12	22.70	21.85	21.53
7	20.48	20.85	21.93	22.62	21.91	22.24	23.92	24.77	23.10	22.60	21.85	21.41
8	20.55	21.12	22.20	22.55	21.89	22.33	.....	24.67	23.07	22.49	21.82	21.31
9	20.60	21.20	22.11	22.68	21.86	22.31	.....	24.59	23.09	22.61	21.97	21.36
10	20.44	21.14	22.09	22.80	21.96	22.28	.....	24.65	23.10	22.27	21.85	21.28
11	20.58	21.08	22.09	22.90	21.97	22.34	.....	24.67	23.03	22.69	21.68	21.34
12	20.50	21.09	22.16	23.00	21.91	22.35	.....	24.23	22.73	22.49	21.68	21.32
13	20.74	20.99	22.32	23.09	22.12	22.43	.....	24.31	22.77	22.39	21.46	21.17
14	21.00	20.90	22.27	23.12	22.01	22.28	.....	24.44	22.70	22.44	21.45	21.12
15	20.92	21.00	22.32	22.98	22.01	22.58	.....	24.48	22.72	22.36	.....	21.00
16	20.83	21.34	22.41	22.63	22.08	22.88	.....	24.58	22.53	22.31	.....	21.28
17	20.67	21.29	22.47	22.48	22.35	23.03	.....	24.56	22.71	22.06	.....	21.08
18	20.72	21.50	22.30	22.38	22.23	.....	.....	24.55	22.57	22.24	.....	21.09
19	20.69	21.23	22.49	22.30	22.25	23.11	.....	24.48	22.55	22.06	.....	21.12
20	20.58	21.12	22.28	22.26	22.40	23.04	.....	24.26	22.60	22.14	21.67	21.21
21	.....	21.40	22.50	22.30	22.42	23.00	.....	.....	22.54	22.09	21.66	21.19
22	.....	21.27	22.48	22.20	22.36	23.05	.....	.....	22.83	22.04	21.76	21.03
23	20.74	21.30	22.20	22.32	22.41	23.05	.....	.....	22.85	22.17	21.88	20.99
24	20.85	21.28	22.40	22.13	22.41	.....	.....	24.53	22.86	22.04	21.63	21.15
25	20.93	21.69	22.33	22.20	22.64	.....	.....	24.70	22.98	22.04	21.59	21.06
26	21.06	21.71	22.39	22.42	22.42	23.31	.....	24.42	22.69	21.80	21.67	21.27
27	20.67	21.79	22.31	22.50	22.32	23.36	.....	23.99	22.08	22.00	21.46	21.25
28	20.60	21.78	22.54	22.27	22.36	23.35	.....	23.81	22.22	22.02	21.39	21.08
29	20.89		22.70	22.17	22.53	23.47	.....	23.66	22.83	22.00	21.56	.....
30	20.96		22.57	22.10	22.38	23.44	.....	23.52	22.67	21.88	21.48	.....
31	20.90		22.43		22.39		24.69	23.49		21.70		.....

78-24-4P1. S. S. Kresge Co. 7th 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: 1943-54. Feb. 4, 30.86; Apr. 29, 31.85; July 28, 31.64.

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 10.22 below lsd, Apr. 9, 1954. Records available: 1950-54.

74-44-13J1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	9.61	Apr. 9	10.22	July 19	9.62	Oct. 12	8.38
26	9.92	23	9.86	29	10.02	26	8.08
Feb. 8	9.95	May 10	9.34	Aug. 13	9.74	Nov. 8	8.10
26	9.70	24	9.24	30	8.38	22	8.25
Mar. 9	9.93	June 8	9.13	Sept. 15	7.49	Dec. 3	8.54
30	9.92	29	9.22	28	8.65	23	8.94

74-44-16M1. U. S. Corps of Engineers. Levee relief well near South Omaha bridge. Drilled well in alluvium, diameter 7 inches, depth 37 feet, wooden screen. Highest water level 1.10 above lsd, May 2, 1951; lowest 8.88 below lsd, Dec. 23, 1954. Records available: 1951-54.

Jan. 5	8.36	Apr. 9	8.43	July 19	7.90	Oct. 12	8.05
26	8.69	23	8.32	29	8.12	26	8.02
Feb. 8	8.75	May 10	7.88	Aug. 13	8.26	Nov. 8	8.08
26	8.60	24	7.79	30	7.78	22	8.33
Mar. 9	8.58	June 8	7.60	Sept. 15	8.00	Dec. 3	8.55
30	8.46	29	7.06	28	8.23	23	8.88

74-43-18E1. U. S. Geol. Survey. NE.corner of Manawa Park. Driven observation water-table well in alluvium, diameter $1\frac{1}{4}$ inches, depth 16 feet, screen 14-16. Highest water level 0.45 below lsd, May 2, 1951; lowest 8.43 below lsd, Apr. 9, 1954. Records available: 1950-54.

Jan. 5	7.93	Apr. 9	8.43	July 19	7.98	Oct. 12	6.65
26	8.23	23	8.16	29	8.24	26	6.63
Feb. 8	8.24	May 10	7.39	Aug. 13	8.15	Nov. 8	6.67
26	7.80	24	7.46	30	6.33	22	6.78
Mar. 9	8.07	June 8	7.49	Sept. 15	5.66	Dec. 3	7.05
30	8.42	29	7.57	28	7.00	23	7.38

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: 1940-54. Jan. 12, 222.28; Apr. 20, 221.18; Aug. 3, 220.91; Oct. 6, 221.39.

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. Measurement discontinued.

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: 1940-54. Jan. 12, 7.02; Apr. 20, 6.24; Aug. 3, 6.15; Oct. 6, 5.78.

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, 1952-54. Apr. 20, 268.52; Aug. 3, 268.23; Oct. 7, 268.86.

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: 1947-54.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	51.61	56.50	52.07	53.49	50.79	48.17	46.75	49.06	42.50	47.82	46.72	48.02
2	51.60	52.47	56.15	51.05	50.64	47.33	51.82	49.44	47.58	47.61	47.00	47.86
3	51.60	56.65	56.20	52.03	50.24	47.02	47.37	54.60	43.73	46.92	46.86	47.87
4	51.63	52.55	52.07	50.90	54.43	51.04	47.28	49.45	46.66	46.89	47.01	47.91
5	56.02	53.54	56.16	53.37	51.10	51.04	47.07	54.65	45.36	46.86	47.07	47.91

83-24-2Q1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	51.85	56.69	56.18	50.95	55.48	46.95	52.34	49.46	44.74	46.86	47.05	48.02
7	56.11	52.55	56.20	53.38	55.53	51.15	52.62	49.90	50.09	.....	47.02	48.10
8	51.87	52.64	52.03	51.10	55.50	51.48	47.91	49.37	46.03	.....	47.13	48.00
9	56.19	56.65	56.08	53.27	50.42	51.87	52.84	49.34	46.30	50.67	47.32	48.06
10	56.22	56.66	56.02	53.31	53.20	50.54	53.00	54.74	45.79	50.65	47.29	48.13
11	51.91	56.71	55.98	52.80	54.55	46.36	53.02	49.65	46.27	51.55	47.29	48.10
12	56.29	52.81	52.15	50.82	54.37	46.52	53.35	49.50	46.27	46.59	49.72	48.10
13	51.99	52.68	55.92	53.23	54.36	43.66	53.39	49.70	46.23	46.69	47.40	48.00
14	56.32	56.64	51.91	51.60	55.48	43.12	53.48	49.59	46.71	45.86	47.60	48.16
15	52.25	56.68	55.95	51.45	50.30	47.74	54.04	49.57	46.80	45.45	47.22	48.22
16	56.35	52.59	55.91	55.15	55.47	47.40	54.12	49.78	46.90	45.35	51.60	48.18
17	56.35	56.71	52.05	51.01	50.33	43.87	54.15	49.84	47.02	45.42	47.56	48.32
18	52.04	53.00	55.70	55.08	54.50	48.01	54.25	49.42	47.27	45.52	47.65	48.25
19	56.38	56.71	55.72	51.61	54.45	48.45	48.65	49.69	47.42	45.78	47.87	48.07
20	56.45	56.56	55.65	55.12	54.44	49.76	48.91	54.12	47.02	45.80	47.60	47.95
21	52.25	52.40	51.43	55.08	55.55	43.85	49.27	53.86	48.30	45.90	47.63	48.05
22	56.49	56.34	51.35	51.52	50.34	43.42	48.71	48.06	47.26	46.10	47.58	48.03
23	56.49	52.30	51.35	54.99	50.55	47.50	54.09	47.88	48.89	46.25	47.73	48.06
24	56.54	56.25	51.20	54.97	50.44	47.90	48.89	52.39	47.37	46.25	47.72	48.00
25	52.18	56.24	53.62	54.95	50.26	48.36	49.25	52.15	48.06	46.24	47.62	47.92
26	56.56	56.24	53.31	51.17	50.63	48.93	49.53	44.98	52.45	46.60	47.52	47.90
27	52.59	52.13	53.60	50.91	50.39	50.41	54.31	44.15	47.70	46.40	47.53	47.95
28	56.59	56.12	51.11	51.05	50.06	45.85	49.93	40.74	52.64	46.50	47.53	48.23
29	56.57		51.22	54.84	49.61	46.49	54.46	41.09	47.86	46.75	47.78	48.10
30	56.62		53.55	54.83	49.44	51.42	54.53	43.00	47.97	46.67	47.89	48.18
31	52.31		51.09		49.33		50.66	41.66		46.55		47.95

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	54.13	56.66	56.23	53.61	54.95	54.43	52.19	54.68	47.76	52.65	51.92	52.82
2	54.06	56.73	56.22	53.60	54.78	51.33	52.45	54.82	48.54	52.59	51.95	52.74
3	54.09	56.75	56.31	53.60	54.49	51.21	52.68	55.02	48.82	52.08	52.00	52.75
4	56.02	56.73	56.27	53.40	55.57	51.18	52.50	54.88	49.60	51.77	52.10	52.87
5	56.18	56.74	56.28	53.47	55.60	51.21	52.63	55.16	50.01	51.74	52.12	52.87
6	56.15	56.79	56.26	53.50	55.65	51.39	52.99	54.92	50.31	51.64	52.09	52.87
7	56.21	56.75	56.27	53.50	55.65	51.63	53.12	54.94	50.73	.....	52.10	52.87
8	56.20	56.67	56.25	53.50	55.65	52.86	53.15	54.80	50.73	.....	52.25	52.86
9	56.27	56.76	56.22	53.42	55.65	52.82	53.36	55.15	50.86	50.96	52.35	53.00
10	56.28	56.80	56.18	53.41	55.55	52.13	53.51	55.16	51.10	51.73	52.39	52.94
11	56.29	56.83	56.09	53.44	55.55	50.54	53.84	55.00	51.34	51.69	52.38	52.99
12	56.38	56.78	56.02	53.30	54.55	47.27	53.90	54.85	51.30	51.73	50.60	52.99
13	56.37	56.74	56.08	56.09	55.55	47.46	54.11	54.86	51.32	51.75	49.83	52.86
14	56.43	56.74	56.02	56.13	55.66	47.97	54.45	55.06	51.47	51.25	49.80	52.94
15	56.44	56.84	56.05	56.16	55.65	48.26	54.54	55.01	51.60	50.64	52.25	52.97
16	56.45	56.81	56.00	55.26	55.75	47.87	54.59	55.17	51.70	50.45	52.56	53.00
17	56.43	56.83	55.93	55.25	55.62	48.16	54.86	55.00	51.88	50.54	52.68	52.99
18	56.45	56.80	55.83	56.24	55.57	48.72	54.81	54.85	52.13	50.77	52.68	52.98
19	56.56	56.81	55.79	56.26	54.57	49.99	54.63	54.75	52.35	50.85	52.55	52.91
20	56.60	56.76	55.75	55.20	55.58	50.37	54.80	54.56	51.16	50.92	52.53	53.00
21	56.55	56.59	55.70	55.18	55.74	50.10	54.50	54.52	52.31	51.10	52.50	53.02
22	56.57	56.43	55.55	55.16	55.66	48.61	54.31	53.86	52.25	51.20	52.50	53.03
23	56.60	56.44	53.81	55.13	55.71	48.19	54.60	52.87	52.45	51.27	52.59	53.10
24	56.61	56.40	53.70	55.17	55.59	48.66	54.50	52.85	52.42	51.28	52.65	53.04
25	56.59	56.38	53.80	55.17	55.58	49.16	54.45	52.78	52.60	51.40	52.46	52.87
26	56.65	56.37	53.81	55.93	54.45	50.72	54.64	52.15	52.69	51.52	52.50	52.91
27	56.66	56.35	53.70	55.93	55.54	51.09	54.81	49.14	52.75	51.53	52.52	52.33
28	56.68	56.24	53.64	55.00	54.97	51.39	54.77	46.53	52.80	51.62	52.55	52.35
29	56.74		53.65	54.99	54.86	51.69	55.00	45.85	52.71	51.71	52.76	52.30
30	56.71		53.70	54.95	54.91	52.08	55.02	46.75	52.71	51.74	52.77	52.37
31	56.62		53.64		54.80		54.90	47.15		51.71		52.25

83-24-4Q1. Iowa State College. Ames. Drilled unused artesian well in Jordan sandstone, diameter 12 to 5 inches, depth 2,250 feet, cased to 1,970. Highest water level 39.19 below lsd, May 13, 1942; lowest 46.34 below lsd, Aug. 2, 1954. Records available: 1939-54. Jan. 11, 44.77; Apr. 19, 44.55; Aug. 2, 46.34; Oct. 6, 44.44.

83-24-4R1. Iowa State College. Ames. Dug unused water-table well in glacial drift, diameter 36 inches, depth 33 feet, cribbed with brick. Highest water level 6.31 below lsd, Apr. 25, 1947; lowest 25.34 below lsd, Apr. 2, 1951. Records available: 1942-54. Jan. 11, 20.73; Apr. 19, 22.21; Aug. 2, 23.62; Oct. 6, 21.64.

83-24-20J1. Agricultural Engineering Experiment Station. Dug unused water-table well in glacial drift, diameter 36 inches, depth 36 feet, cribbed with brick. Highest water level 5.90 below lsd, May 31, 1944; lowest 26.09 below lsd, July 14, 1939. Records available: 1939-54. Jan. 11, 19.07; Apr. 19, 15.81; Aug. 2, 11.25; Oct. 6, 6.52.

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. 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: 1951-54. Feb. 3, 8.28; Apr. 28, 7.89; July 27, 4.05; Oct. 27, 8.11.

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: 1951-54. Feb. 3, 7.55; Apr. 28, 7.13; July 27, 3.32; Oct. 27, 7.44.

Warren County

76-25-8Q1. Iowa State College. Dug domestic water-table well in glacial drift, diameter 36 inches, depth 30 feet, cribbed with rock. Highest water level 3.95 below lsd, Jan. 4, 1946; lowest 27.75 below lsd, Feb. 4, 1954. Records available: 1940-54. Feb. 4, 27.75; Apr. 29, 20.48; July 27, 23.49.

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: 1942-54. Jan. 14, 16.06; Apr. 21, 14.33; Aug. 4, 9.62; Oct. 8, 9.29.

90-28-1B1. Ed Askland. Drilled stock water-table well in glacial drift, diameter 18 inches, depth 43 feet, lined with tile. Land-surface datum is about 1,155 feet above msl. Highest water level 2.44 below lsd, Apr. 30, 1952; lowest 15.70 below lsd, Dec. 22, 1949. Records available: 1942-43, 1945-54. Jan. 14, 8.88; Apr. 22, 2.92; Aug. 4, 5.17.

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: 1942-54. Jan. 14, 9.65; Apr. 22, 7.19; Aug. 4, 7.23; Oct. 8, 6.74.

90-27-31N1. C. S. Knudson. Drilled unused water-table well in glacial drift, diameter 15 inches, depth 53 feet, lined with tile. Land-surface datum is about 1,125 feet above msl. Highest water level 4.08 below lsd, June 28, 1951; lowest 13.90 below lsd, Dec. 17, 1948. Records available: 1942-43, 1948-54. Jan. 14, 8.29; Apr. 22, 6.24; Aug. 4, 5.75.

89-30-23R1. Johnson Township Consolidated School. Barnum. Drilled unused artesian well in sandstone, diameter 4 inches, depth 203 feet, cased to bottom. Highest water level 30.86 below lsd, July 2, 1945; lowest 35.36 below lsd, June 22, 1950. Records available: 1942-45, 1947-54. Jan. 14, 34.19; Apr. 21, 34.53.

88-29-11C1. C. F. Madson. Drilled domestic water-table well in glacial drift, diameter 14 inches, depth 55 feet, lined with tile. Land-surface datum is about 1,130 feet above msl. Highest water level 3.65 below lsd, Apr. 4, 1951; lowest 13.32 below lsd, Jan. 14, 1954. Records available: 1942-54. Jan. 14, 13.32; Apr. 21, 7.68.

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: 1942-54.

87-28-29N1--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.45	8.26	7.19	5.45	4.81	4.26	3.87	5.60	....	4.37	3.79	....
2	7.39	8.26	7.04	5.49	4.45	4.12	3.89	5.62	....	4.05	3.85	h5.37
3	7.59	8.32	7.02	5.61	3.82	3.92	3.95	5.70	3.50	3.82	3.82	....
4	7.55	8.33	6.99	5.53	3.77	3.73	4.02	5.72	3.55	3.92	3.89	....
5	7.57	8.40	6.92	5.50	3.83	3.71	4.05	5.80	3.66	4.00	3.91	....
6	7.65	8.50	6.83	5.37	3.88	3.75	4.08	5.86	3.72	4.08	3.92	....
7	7.64	8.58	6.64	5.32	4.00	3.84	4.16	5.90	3.82	4.13	3.95	....
8	7.58	8.49	6.43	5.47	4.08	3.95	4.23	5.92	3.89	3.84	4.00	....
9	7.71	8.46	6.22	5.32	4.18	4.01	4.28	5.98	3.92	3.75	4.03	....
10	7.80	8.51	6.14	5.35	4.25	2.29	4.33	6.06	4.01	3.70	4.05	....
11	7.71	8.72	6.12	5.49	4.28	2.80	4.38	6.11	4.06	h3.49	4.06	....
12	7.83	8.79	5.94	5.54	4.34	3.02	4.47	6.16	4.11	3.55	4.07	....
13	7.79	8.57	5.96	5.43	4.40	3.15	4.55	6.19	4.13	3.65	4.04	....
14	7.72	8.55	6.05	5.38	4.45	3.27	4.62	6.21	4.23	2.50	4.10	....
15	7.75	8.63	6.14	5.41	4.49	3.39	4.73	6.28	4.28	2.88	4.08	....
16	7.86	8.80	6.14	5.59	4.54	3.34	4.80	6.05	4.30	3.11	4.06	4.50
17	7.91	8.83	5.61	5.54	4.60	3.42	4.83	5.77	4.34	3.28	4.10	4.51
18	7.77	8.79	5.14	5.62	4.62	3.53	4.90	5.39	4.34	3.42	4.14	4.55
19	7.81	8.75	4.89	5.72	4.68	3.61	4.96	5.24	4.41	3.50	4.15	4.57
20	7.91	8.31	4.88	5.73	4.71	3.65	5.02	5.24	4.45	3.53	4.17	4.58
21	8.06	7.94	4.86	5.50	4.73	2.30	5.09	5.30	4.55	3.59	....	4.59
22	8.02	7.70	4.82	5.02	4.75	2.78	5.15	4.76	4.60	3.65	....	4.52
23	7.94	7.55	4.94	4.76	4.79	3.13	5.20	3.94	4.61	3.70	....	4.56
24	7.96	7.44	4.94	4.67	4.87	3.26	5.25	4.19	4.62	3.74	....	4.60
25	8.02	7.41	4.93	4.70	4.90	3.38	5.30	4.22	4.71	3.75	....	4.58
26	8.06	7.35	5.21	4.70	4.90	3.52	5.34	3.54	4.73	3.57	....	4.61
27	8.15	7.40	5.21	4.80	4.89	3.59	5.35	1.26	4.75	3.55	....	4.63
28	8.18	7.44	5.24	4.84	4.64	3.66	5.38	2.33	4.80	3.54	....	4.66
29	8.15		5.32	4.87	4.43	3.73	5.48	....	4.63	3.63	....	4.61
30	8.33		5.39	4.90	4.34	3.81	5.50	....	4.47	3.67	....	4.61
31	8.32		5.46		4.30		5.60	....		3.73		4.61

h Tape measurement.

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. Measurement discontinued.

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: 1942-54. Jan. 14, 62.20; Apr. 21, 62.50; Aug. 4, 62.10; Oct. 8, 56.32.

86-29-14A1. F. E. Castenson. Drilled unused water-table well in glacial sand, diameter 12 inches, depth 39 feet, lined with tile. Land-surface datum is about 1,150 feet above msl. Highest water level 3.02 below lsd, June 22, 1950; lowest 11.24 below lsd, Jan. 14, 1954. Records available: 1942-54. Jan. 14, 11.24; Apr. 21, 8.25; Aug. 4, 5.69; Oct. 8, 3.98.

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 96.13 below lsd, Oct. 8, 1954. Records available: 1942-48, 1952-54. Apr. 21, 90.85; Aug. 4, 95.13, Oct. 8, 96.13.

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 1954.

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 17.22 below lsd, Jan. 20, 1954. Records available: 1939-44, 1949-54. Measurement discontinued.

89-48-23B1--Continued.

Daily noon water level from recorder graph*

Day	Jan.	Feb.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	16.88	.....	.....	.....	15.88	.....	16.01	16.16	16.30
2	16.90	.....	.....	.....	15.85	.....	15.94	16.16	16.17
3	16.89	.....	.....	.....	15.39	.....	15.93	16.17	16.18
4	.....	.....	.....	.....	15.41	.....	15.95	16.16	16.20
5	.....	.....	.....	.....	15.41	.....	16.07	16.21	16.17
6	.....	.....	.....	.....	15.40	.....	16.09	16.24	16.21
7	.....	.....	16.51	.....	15.52	.....	16.09	16.27	16.21
8	.....	.....	16.54	.....	15.55	.....	16.05	16.27	.....
9	.....	.....	16.49	.....	15.47	.....	16.08	16.27	.....
10	.....	16.77	16.54	.....	15.51	.....	16.20	16.26	.....
11	.....	16.81	16.58	.....	15.40	.....	16.20	16.17	.....
12	.....	16.76	16.62	16.02	15.40	.....	16.21	16.12	.....
13	17.07	16.72	16.56	16.02	15.50	.....	16.21	16.10	.....
14	17.12	16.73	16.56	16.06	15.57	.....	16.22	16.17	.....
15	17.13	16.78	16.56	16.12	15.64	.....	16.20	16.14	.....
16	17.20	16.74	16.58	16.12	15.67	.....	16.27	16.08	.....
17	17.11	.....	16.53	16.18	15.72	.....	16.27	16.11	.....
18	17.10	.....	16.55	16.16	15.76	.....	16.26	16.09	.....
19	17.14	.....	16.56	16.20	15.22	.....	16.21	16.14	.....
20	17.22	.....	16.56	.....	15.01	.....	16.16	16.14	.....
21	17.20	.....	16.56	.....	14.80	16.03	16.13	16.22	.....
22	17.14	.....	16.55	.....	14.63	16.06	16.11	16.21	.....
23	.....	.....	16.51	.....	14.35	16.05	16.09	16.21	.....
24	.....	.....	16.46	.....	14.14	16.05	16.07	16.25	.....
25	.....	.....	16.42	.....	14.10	16.06	16.08	16.30	.....
26	.....	.....	16.42	.....	14.32	16.08	16.13	16.29	.....
27	.....	.....	16.40	16.15	14.88	16.09	16.21	16.28	.....
28	.....	.....	.....	16.13	15.35	16.09	16.22	16.28	.....
29	.....		.....	16.15	.....	16.10	16.21	16.32	.....
30	.....		.....	16.11	.....	16.07	16.16	16.34	.....
31	.....		.....	15.88		16.11	16.18		.....

* No record for March, November, and December.

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: 1949-54.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	24.77	24.93	22.48	22.80	22.80	20.07	.....	.....	.....	21.96	21.70	20.93
2	24.63	24.82	24.64	23.42	22.27	20.80	.....	.....	.....	20.95	21.84	21.03
3	24.95	24.75	25.34	23.29	22.07	20.81	.....	.....	.....	21.35	21.19	21.72
4	24.78	24.88	25.53	22.55	22.38	20.77	.....	.....	.....	21.76	21.47	21.82
5	25.22	24.95	25.92	22.74	22.15	20.75	.....	.....	.....	22.12	.....	21.69
6	25.34	24.72	24.84	23.29	22.35	20.51	.....	.....	.....	22.28	.....	20.90
7	25.29	24.06	24.09	23.35	22.51	20.46	.....	.....	.....	22.23	.....	20.26
8	25.11	24.31	24.38	23.80	21.80	22.55	.....	.....	.....	22.07	.....	19.93
9	25.01	24.40	24.42	23.64	21.12	22.95	.....	.....	.....	21.91	.....	20.02
10	23.46	24.82	24.47	23.07	21.02	22.65	.....	.....	.....	21.55	.....	19.81
11	23.46	25.29	24.45	22.67	22.20	22.61	.....	.....	.....	21.50	.....	19.85
12	24.62	25.22	24.38	23.04	22.40	22.66	.....	.....	.....	21.68	.....	19.95
13	24.76	24.16	24.56	22.87	22.96	21.94	.....	.....	.....	21.92	.....	19.83
14	24.93	23.88	23.68	22.83	23.45	22.37	.....	.....	21.96	22.10	.....	19.81
15	25.14	24.24	23.52	22.86	23.20	23.26	.....	.....	21.89	22.15	.....	19.65
16	25.55	25.05	24.20	23.64	22.76	23.59	.....	.....	21.43	21.66	.....	19.64
17	24.27	25.21	24.07	23.32	22.56	23.44	.....	.....	21.34	21.66	.....	19.57
18	23.95	24.43	23.51	23.32	23.53	23.32	.....	.....	21.83	22.63	21.19	19.70
19	24.85	23.74	23.45	23.28	23.00	.....	.....	.....	22.05	22.90	21.21	20.14
20	25.20	23.03	23.15	23.16	23.16	.....	.....	.....	21.99	22.82	21.24	20.23
21	25.70	22.27	22.11	22.29	22.92	.....	.....	.....	22.21	22.84	21.19	20.61
22	25.43	21.92	21.91	21.98	22.67	.....	.....	.....	22.33	22.94	21.19	20.48
23	25.29	22.56	22.75	22.68	21.68	.....	.....	.....	22.22	22.86	20.49	20.49
24	25.04	22.63	22.68	22.80	21.39	.....	.....	.....	22.21	22.83	20.25	20.56
25	24.53	22.61	22.65	22.31	22.05	.....	.....	.....	22.28	22.11	20.77	20.54

89-47-22B2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	25.18	23.13	23.14	22.20	22.11	.....	.....	.....	22.17	22.42	20.57	20.54
27	25.36	23.51	22.09	23.03	22.00	.....	.....	.....	22.20	22.72	20.53	20.56
28	25.04	22.67	21.72	23.38	21.75	.....	.....	.....	22.55	22.53	20.58	20.63
29	25.04		21.57	23.43	20.82	.....	.....	.....	22.56	22.71	20.73	20.45
30	25.20		22.41	23.40	20.18	.....	.....	.....	22.61	22.40	20.85	20.45
31	24.93		22.82		20.12		.....	.....		21.69		20.24

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.11	24.99	24.64	23.42	23.72	21.28	.....	.....	.....	22.66	21.95	21.25
2	24.95	24.99	25.34	23.98	22.80	21.38	.....	.....	.....	21.96	22.01	21.72
3	25.49	24.97	25.53	24.05	22.38	21.12	.....	.....	.....	21.76	21.84	22.38
4	25.29	25.02	26.52	23.29	22.53	20.96	.....	.....	.....	22.12	21.89	22.47
5	25.55	25.08	26.53	23.29	22.55	21.44	.....	.....	.....	22.28	.....	21.82
6	25.55	25.18	25.92	23.50	22.51	20.95	.....	.....	.....	22.45	.....	21.69
7	25.42	24.72	24.84	23.90	22.63	22.55	.....	.....	.....	22.42	.....	20.90
8	25.29	24.51	24.55	23.97	22.71	23.10	.....	.....	.....	22.23	.....	20.28
9	25.17	24.82	24.61	23.80	21.80	23.08	.....	.....	.....	22.13	.....	20.12
10	25.01	25.29	24.55	23.80	22.29	23.25	.....	.....	.....	21.91	.....	20.12
11	24.62	25.64	24.52	23.07	22.57	22.66	.....	.....	.....	21.68	.....	20.11
12	24.74	25.64	24.56	23.41	22.96	22.79	.....	.....	.....	22.05	.....	20.13
13	24.93	25.23	24.78	23.10	23.90	22.75	.....	.....	.....	22.10	.....	20.12
14	25.21	24.54	24.57	22.90	24.20	23.26	.....	.....	22.06	22.15	.....	19.91
15	25.60	25.05	24.23	23.64	24.20	23.59	.....	.....	22.06	22.71	.....	19.85
16	25.74	25.27	24.31	23.87	23.20	23.86	.....	.....	21.99	22.71	.....	19.73
17	25.74	25.29	24.25	23.87	23.87	23.91	.....	.....	21.83	22.63	.....	19.73
18	24.87	25.30	24.14	23.86	24.10	23.51	.....	.....	22.07	22.91	21.27	20.14
19	25.20	24.43	23.63	23.74	23.70	.....	.....	.....	22.16	22.98	21.44	20.37
20	25.75	23.74	23.64	23.29	23.80	.....	.....	.....	22.21	22.90	21.46	20.61
21	25.78	23.03	23.15	23.28	23.78	.....	.....	.....	22.43	22.93	21.32	20.85
22	25.73	22.56	22.75	22.68	22.92	.....	.....	.....	22.46	23.00	21.35	20.85
23	25.43	22.76	22.93	22.88	22.92	.....	.....	.....	22.35	22.96	21.33	20.90
24	25.66	22.67	22.90	23.06	22.07	.....	.....	.....	22.40	22.94	20.94	20.90
25	25.18	23.13	23.18	22.80	22.50	.....	.....	.....	22.40	22.83	20.94	20.63
26	25.40	23.61	23.23	23.03	22.49	.....	.....	.....	22.32	22.84	20.80	20.63
27	25.52	23.90	23.14	23.38	22.15	.....	.....	.....	22.71	22.84	20.82	20.64
28	25.37	23.51	22.09	23.43	22.10	.....	.....	.....	22.70	22.73	20.73	20.83
29	25.33		22.41	23.55	21.75	.....	.....	.....	22.60	22.76	21.19	20.86
30	25.33		22.82	23.55	20.82	.....	.....	.....	22.65	22.76	21.25	20.73
31	25.23		22.90		20.25		.....	.....		22.40		20.72

KANSAS

By Betty J. Mason and Charles W. Lane

Scope of Water-Level Program

The observation-well program in Kansas was continued during 1954 in cooperation with the State Geological Survey, the Division of Water Resources of the State Board of Agriculture, and the Division of Sanitation of the State Board of Health. The city of Wichita cooperated in Harvey, McPherson, and Sedgwick Counties. The observation-well program was continued in the Missouri Basin in cooperation with the U. S. Bureau of Reclamation. The program included the maintenance and measurement of a network of observation wells to provide data on changes in storage of principal ground-water reservoirs. Measurements were being made in 529 wells at the end of 1954. Figures 8-11 show the location of observation wells in western, central, and eastern Kansas, respectively. Continuous records of water levels were obtained for 11 of these wells from recording gages.

Two reports in regard to ground-water investigations were published by the State Geological Survey of Kansas: Bulletin 106, Geology and ground-water resources of Marshall County, by K. L. Walters; and Bulletin 108, Geology and ground-water resources of Wichita and Greeley Counties, by G. C. Prescott, J. R. Branch, and W. W. Wilson.

Precipitation

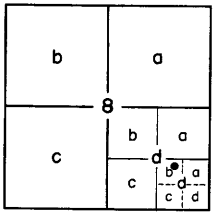
The drought that began in 1952 continued through 1954, except in the eastern part of the State where rains during the first half of the year broke the drought. Considering the entire year, the western third of the State averaged about 13 inches of precipitation; the middle third, about 19 inches; and the eastern third, about 30 inches. Rainfall averaged 75 percent of normal for the State during 1954 as compared to 70 percent of normal in 1952 and 78 percent of normal in 1953. Compared with annual normals, the south-central part of the State was driest, having 12 inches less than normal rainfall.

Interpretation of Water-Level Fluctuations

Because of the low precipitation in 1954, ground-water levels generally declined. The hydrographs of Finney County well 1 and Sedgwick County well 12 are shown in figures 12 and 13. These wells, reflecting natural fluctuations in water levels, show the general decline in water levels in much of the State, as a result of the drought during 1952, 1953, and 1954. On November 16, 1954, a new record-low water level, 2.41 feet below the previous record low in 1941, was established in Finney County well 1. At the end of 1954, the water level in Sedgwick County well 12 was at a new record-low stage and was 0.52 foot lower than the record-low stage of 1938.

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 NW¼SE¼SE¼ sec. 8, T. 1 S., R. 38 W.



Section

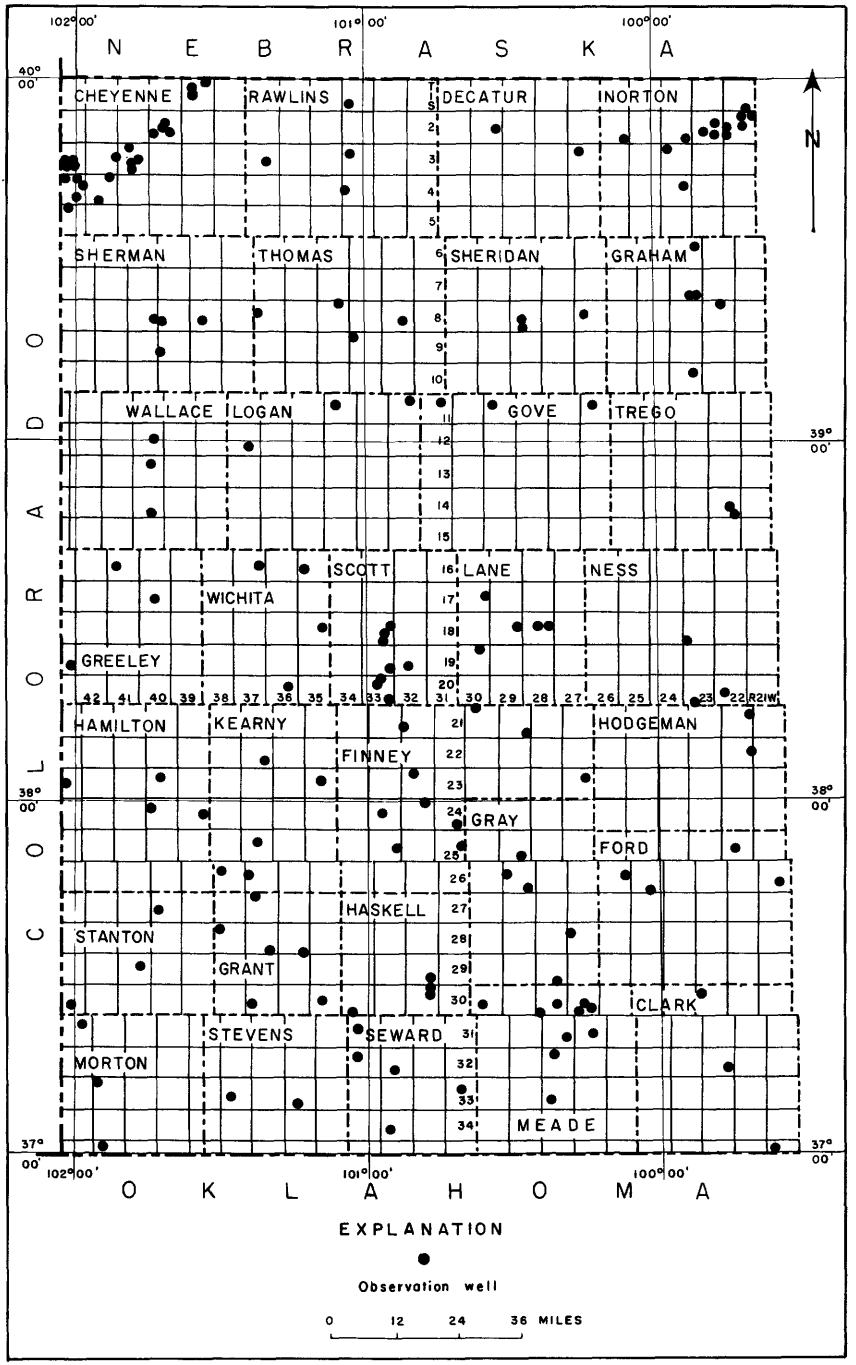


Figure 8.--Location of observation wells in western Kansas, 1954.

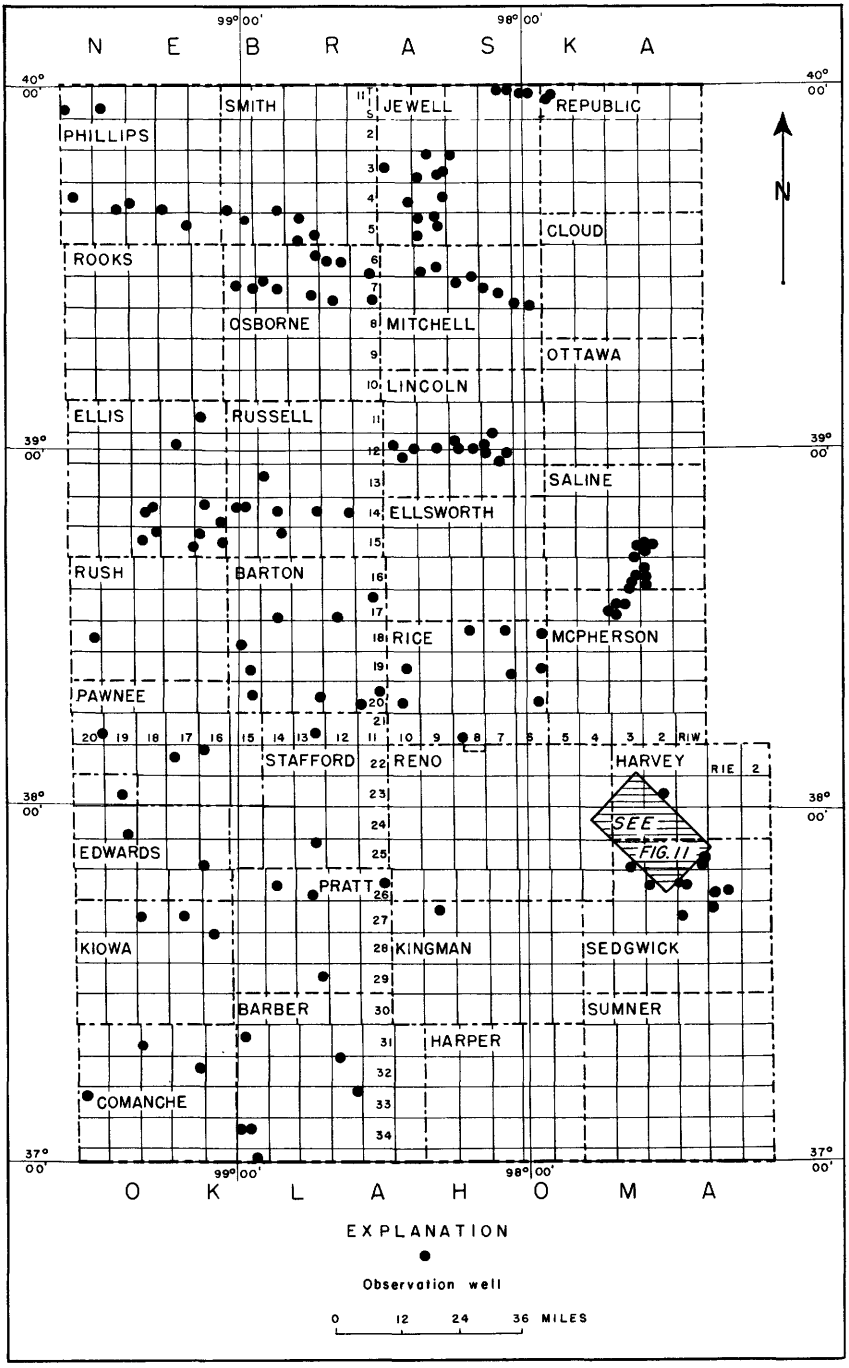


Figure 9. --Location of observation wells in central Kansas, 1954.

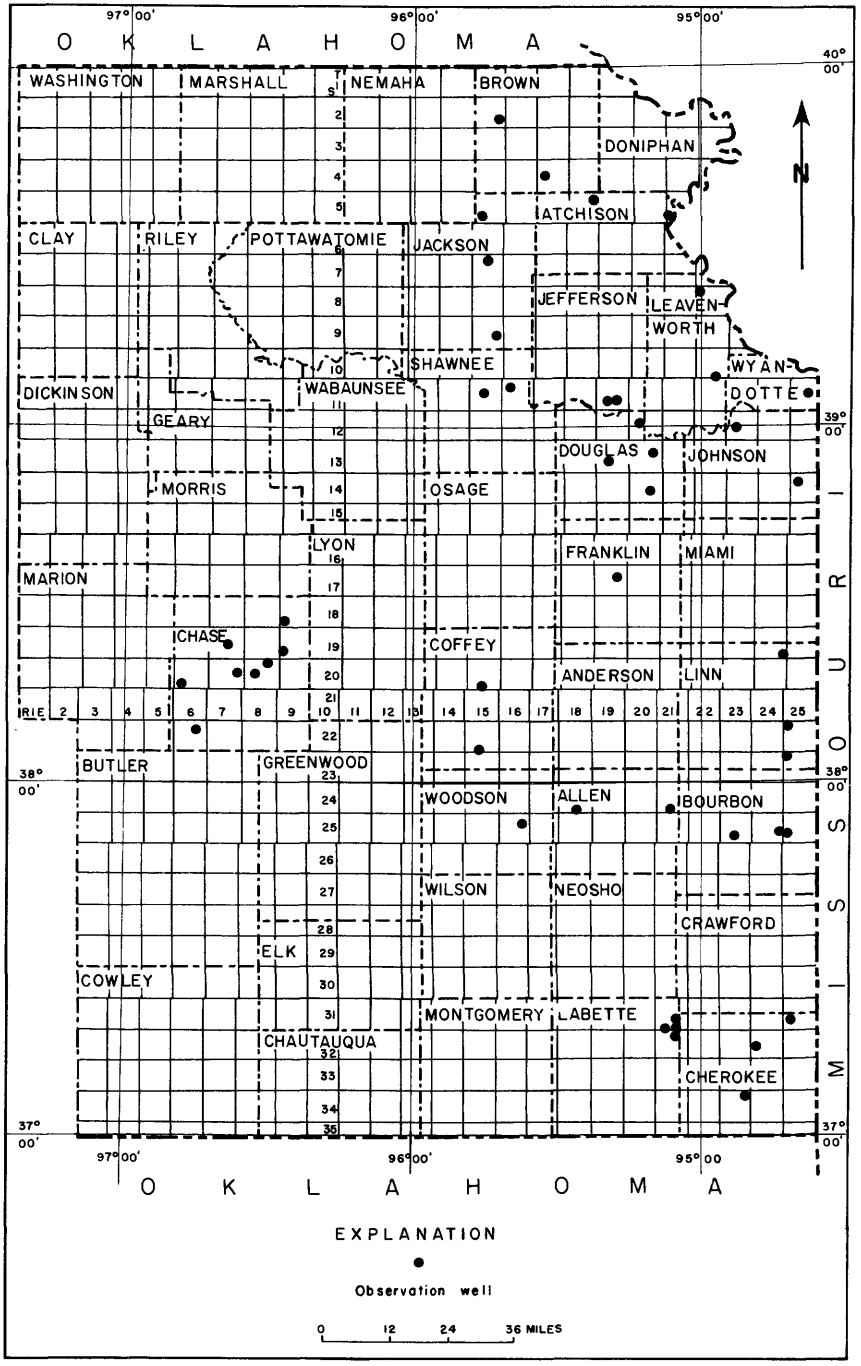


Figure 10.--Location of observation wells in eastern Kansas, 1954.

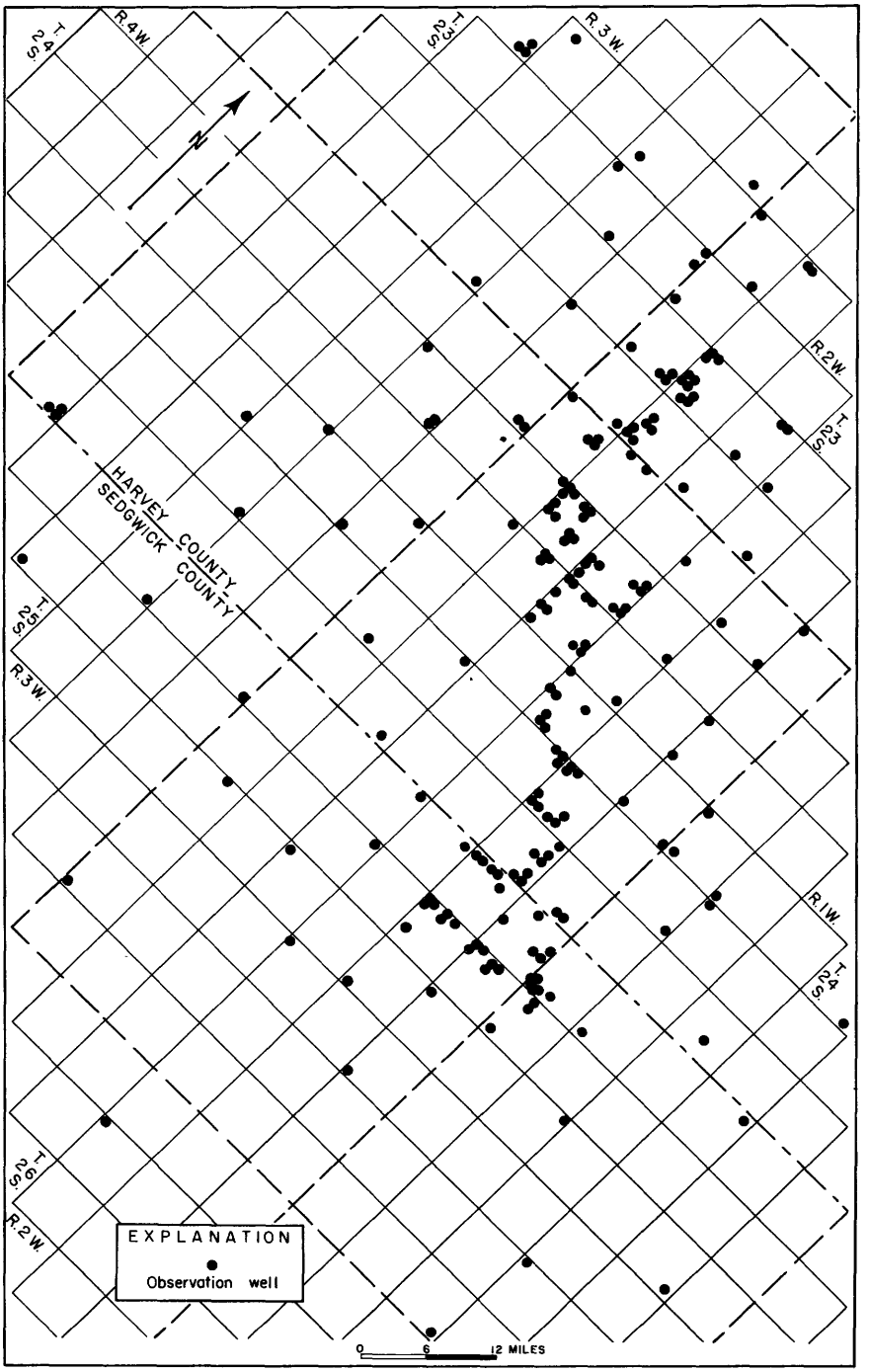


Figure 11.--Location of observation wells in parts of Harvey and Sedgwick Counties, Kans., 1954.

387138 O -56 -4

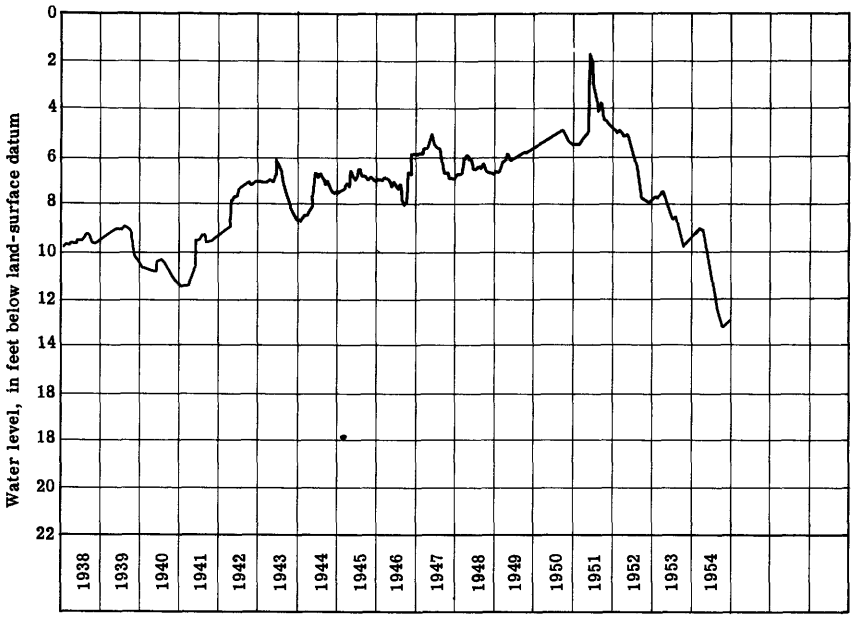


Figure 12. --Water level in well 1 near Garden City, Finney County, Kans., 1938-54.

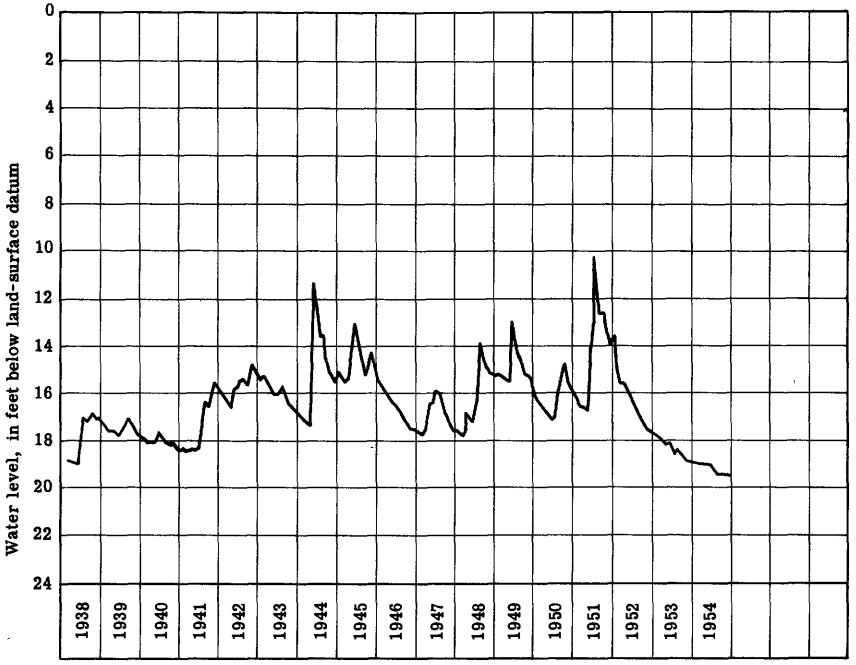


Figure 13. --Water level in well 12 near Valley Center, Sedgwick County, Kans., 1938-54.

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 before 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 19 feet, cribbed with rock. Highest water level 8.87 below lsd, Mar. 1, 1949; lowest 13.18 below lsd, June 7, 1948. Records available: 1948-52. No measurement made in 1954.

24-21-33dcd. J. F. Harris. Drilled unused water-table well, diameter 12 to 10 inches. Highest water level 37.35 below lsd, Mar. 7, 1949; lowest 41.35 below lsd, Apr. 18, 1951. Records available: 1948-52. No measurement made in 1954.

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 1954.

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 1954.

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: 1940-54. Mar. 8, 70.98; June 16, 70.94; Sept. 15, 71.62; Dec. 15, 71.79.

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 17.56 below lsd, Dec. 15, 1954. Records available: 1940-54. Mar. 8, 14.67; June 16, 15.83; Dec. 15, 17.56.

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: 1940-54. Mar. 8, 20.04; June 16, 19.92; Sept. 15, 20.17; Dec. 15, 20.51.

8. P. Brack. SE¼NE¼ sec. 17, T. 34 S., R. 15 W. Dug unused water-table well in alluvium, diameter 36 inches, depth 22 feet, cribbed with brick. Highest water level 8.87 below lsd, Nov. 21, 1941; lowest 19.43 below lsd, Mar. 8, 1954. Records available: 1940-54. Mar. 8, 19.43; June 16, 18.68; Sept. 15, 18.33; Dec. 15, 19.35.

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: 1940-54. Mar. 8, 2.23; June 16, 2.04; Aug. 15, 2.59; Dec. 15, 3.59.

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: 1940-54. Mar. 8, 106.89; June 16, 106.60; Aug. 15, 106.83; Dec. 15, 106.90.

Barton County

1. F. Panning. SE¼SE¼ sec. 3, T. 20 S., R. 11 W. Driven observation water-table well in alluvium, diameter 1¼ inches, depth 12 feet. Highest water level 0.3 above lsd, June 26, 1951; lowest 6.14 below lsd, Dec. 21, 1954. Records available: 1942-54.

1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	5.53	Apr. 19	5.58	July 12	5.30	Oct. 11	6.10
Feb. 16	5.54	May 26	5.36	Aug. 17	5.75	Nov. 17	6.03
Mar. 24	5.48	June 23	4.88	Sept. 21	5.96	Dec. 21	6.14

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: 1942-54.

Jan. 19	28.72	Apr. 19	29.09	July 12	29.47	Oct. 11	29.64
Feb. 16	28.83	May 26	29.22	Aug. 17	29.44	Nov. 17	29.79
Mar. 24	28.98	June 23	29.29	Sept. 21	28.69	Dec. 21	29.98

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: 1942-54.

Jan. 19	19.85	Apr. 19	20.01	July 12	20.49	Oct. 11	21.40
Feb. 16	19.90	May 26	20.08	Aug. 17	20.92	Nov. 17	21.45
Mar. 24	20.07	June 23	20.13	Sept. 21	21.32	Dec. 21	21.41

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 35.23 below lsd, Dec. 22, 1954. Records available: 1944-54.

Jan. 19	33.77	May 27	33.03	Aug. 18	34.54	Nov. 18	34.62
Feb. 16	33.82	June 24	33.91	Sept. 21	35.11	Dec. 22	35.23
Apr. 20	33.95	July 13	34.27	Oct. 11	34.62		

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: 1944-54.

Jan. 19	5.34	Apr. 20	5.69	July 12	7.10	Oct. 11	7.40
Feb. 16	5.42	May 26	6.34	Aug. 17	7.37	Nov. 17	7.35
Mar. 25	5.18	June 23	7.05	Sept. 21	7.42	Dec. 21	7.36

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: 1944-54.

Jan. 19	97.60	Apr. 20	97.88	July 12	97.67	Oct. 11	97.89
Feb. 16	97.67	May 26	97.72	Aug. 17	97.88	Nov. 17	98.25
Mar. 25	97.38	June 23	97.57	Sept. 21	98.43	Dec. 21	98.59

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: 1944-54.

Jan. 19	11.53	Apr. 20	11.80	July 13	12.59	Oct. 11	14.39
Feb. 16	11.70	May 27	11.44	Aug. 18	14.43	Nov. 18	14.03
Mar. 24	11.61	June 24	12.10	Sept. 22	14.06	Dec. 22	14.09

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: 1944-54.

Jan. 19	12.01	June 24	13.10	Sept. 22	14.55	Nov. 18	14.76
May 27	12.60	Aug. 17	14.10	Oct. 12	14.58	Dec. 22	14.72

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: 1944-54.

Jan. 19	12.35	Apr. 20	12.41	July 13	13.42	Oct. 12	14.22
Feb. 16	12.45	May 27	12.52	Aug. 18	13.97	Nov. 17	14.03
Mar. 25	12.25	June 24	13.18	Sept. 22	14.04	Dec. 22	14.08

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 195.35 below lsd, Dec. 31, 1954. Records available: 1942-47, 1950-54.

1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	194.30	May 28	194.15	Aug. 30	194.65	Nov. 29	195.30
Mar. 3	194.40	June 28	194.46	Sept. 30	195.05	Dec. 31	195.35
31	194.35	Aug. 3	194.45	Oct. 30	195.10		

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 1954.

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 1954.

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 1954.

4-17-17ada. H. C. Brown. Drilled unused water-table well in glacial deposits, diameter 6 inches, depth 51 feet, tile casing. Highest water level 31.19 below lsd, Nov. 27, 1951; lowest 37.19 below lsd, Nov. 27, 1948. Records available: 1948-52. No measurement made in 1954.

Chase County

18-9-29cc. Peak & Hatcher Co. Drilled domestic water-table well in Bader limestone and Easly Creek shale, diameter 8 inches, depth 24 feet. Highest water level 17.57 below lsd, July 24, 1951; lowest 25.71 below lsd, Feb. 10, 1954. Records available: 1947-54. Feb. 10, 25.71.

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 17.14 below lsd, Feb. 10, 1954. Records available: 1948-54. Feb. 10, 17.14.

19-9-30cc. E. E. Andrews. Drilled unused water-table well in Red Eagle limestone, diameter 8 inches, depth 65 feet. Highest water level 30.83 below lsd, July 24, 1951; lowest 44.96 below lsd, Feb. 10, 1954. Records available: 1947-54. Feb. 10, 44.96.

20-6-31bd. B. S. Thompson. Drilled unused water-table well in Wreford limestone, diameter 6 inches, depth 43 feet. Highest water level 14.20 below lsd, July 24, 1951; lowest 31.47 below lsd, Feb. 10, 1954. Records available: 1947-54. Feb. 10, 31.47.

20-7-13cb. Geo. W. Starkey. Dug domestic water-table well in Fort Riley and Florence limestone members of Barneston limestone, diameter 4 feet, depth 56 feet, cribbed with rock. Highest water level 8.87 below lsd, Sept. 5, 1950; lowest 52.39 below lsd, July 6, 1953. Records available: 1947-54. Feb. 10, 37.17.

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 13.80 below lsd, Feb. 10, 1954. Records available: 1947-54. Feb. 10, 13.80.

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 25.04 below lsd, Feb. 10, 1954. Records available: 1947-54. Feb. 10, 25.04.

22-6-11cc. Margaret Smith. Drilled unused water-table well in Fort Riley and Florence limestone members of Barneston limestone, diameter 5 inches, depth 88 feet. Highest water level 2.58 below lsd, July 24, 1951; lowest 10.47 below lsd, Feb. 10, 1954. Records available: 1947-54. Feb. 10, 10.47.

Cherokee County

1. W. L. Stiles. $NE\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$ sec. 2, T. 34 S., R. 23 E. Dug domestic water-table well in Bluejacket sandstone member of Cherokee formation, diameter 6 feet, depth 27 feet. Highest water level 5.50 below lsd, May 26, 1943; lowest 18.98 below lsd, Jan. 29, 1954. Records available: 1942-45, 1948, 1950-54.

Jan. 29	18.98	May 28	16.90	Aug. 31	18.15	Nov. 30	17.20
Mar. 2	18.90	June 30	17.13	Sept. 30	18.30	Dec. 31	16.27
Apr. 2	18.65	Aug. 3	17.55	Oct. 29	17.45		

3. Mr. Fleming. SW¼ sec. 19, T. 32 S., R. 24 E. Unused water-table well in Roubidoux formation, diameter 8 inches, depth 850 feet. Highest water level 196.53 below lsd, July 23, 1943; lowest 208.85 below lsd, June 30, 1954. Records available: 1943, 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	207.53	May 28	207.35	Aug. 31	208.60	Nov. 30	208.45
Mar. 2	207.25	June 30	208.85	Sept. 30	208.65	Dec. 31	208.45
Apr. 2	207.50	Aug. 3	208.70	Oct. 29	208.55		

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 197.00 below lsd, Dec. 31, 1954. Records available: 1951-54.

Jan. 29	195.25	May 28	194.82	Aug. 31	195.30	Nov. 30	196.80
Mar. 2	195.10	June 30	195.75	Sept. 30	196.20	Dec. 31	197.00
Apr. 2	195.20	Aug. 3	195.80	Oct. 29	196.15		

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: 1948-54. Feb. 1, 23.10; Aug. 5, 22.83.

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: 1946-54. Feb. 1, 13.10; May 13, 13.04; Aug. 30, 14.80.

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 13.31 below lsd, Aug. 30, 1954. Records available: 1946-54. Feb. 1, 12.27; May 13, 12.22; Aug. 30, 13.31.

2-39-10bba. A. L. Pugh. Drilled unused water-table well in alluvium, diameter 5 inches, depth 39 feet. Highest water level 24.95 below lsd, May 6, 1952; lowest dry, Aug. 30, 1954. Records available: 1947-54. Feb. 1, 27.30; May 13, 27.91; Aug. 30, dry.

2-39-17baa. Myrtle E. Armstrong. Dug stock well, diameter 24 inches, depth 13 feet. Highest water level 9.98 below lsd, May 6, 1952; lowest 14.47 below lsd, Sept. 2, 1953. Records available: 1946-47, 1949-50, 1952-53. No measurement made in 1954.

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, 1952-54. Feb. 1, 16.15.

2-39-27bbb. G. W. Best. Drilled unused water-table well in alluvium, diameter 8 inches, depth 29 feet. Highest water level 14.99 below lsd, June 25, 1953; lowest 19.50 below lsd, Mar. 27, 1946. Records available: 1946-54. Feb. 1, 18.88; May 13, 18.71; Aug. 30, 19.27.

3-40-9baa. P. G. Walter. Drilled stock and observation water-table well in alluvium, diameter 5 inches, depth 16 feet. Highest water level 11.69 below lsd, Feb. 25, 1947; lowest 21.45 below lsd, Dec. 22, 1953. Records available: 1946-54. Feb. 1, 20.65; May 13, 20.65; Aug. 30, 21.11.

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: 1946-54. Feb. 1, 14.82; May 13, 14.22; Aug. 30, 15.56.

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: 1946-54. Feb. 1, 11.04; May 13, 10.70; Aug. 30, 12.56.

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: 1946-54. Feb. 1, 13.45; May 13, 13.41; Aug. 30, 13.73.

3-41-13ccd. F. Walz. Drilled unused domestic well, diameter 5 inches, depth 15 feet. Highest water level 7.83 below lsd, Mar. 16, 1949; lowest 15.78 below lsd, Aug. 16, 1946. Records available: 1946-50, 1952-54. Feb. 1, 10.30; May 13, 11.46; Aug. 30, 10.10.

3-42-21bcc. Andrew Rueb. Drilled stock water-table well in sand and gravel of Ogallala formation, diameter 5 inches, depth 220 feet. Highest water level 201.45 below lsd, Dec. 23, 1953; lowest 201.70 below lsd, Feb. 2, 1954. Records available: 1953-54. Sept. 2, 1953, 201.50; Dec. 23, 201.45; Feb. 2, 1954, 201.70; May 13, 201.49; Aug. 30, 201.47.

3-42-22dad. F. F. Blair. Drilled observation water-table well in sand and gravel of Ogallala formation, diameter 5 inches, depth 162 feet. Highest water level 138.00 below lsd, Feb. 2, 1954; lowest 143.42 below lsd, Sept. 3, 1953. Records available: 1953-54. Sept. 3, 1953, 143.42; Feb. 2, 1954, 138.00; May 13, 138.20; Aug. 30, 138.23.

3-42-26cad. Henry Richers. Drilled domestic and stock water-table well in sand and gravel of Ogallala formation, diameter 6 inches, depth 196 feet. Highest water level 167.45 below lsd, May 13, 1954; lowest 181.65 below lsd, June 29, 1953. Records available: 1953-54. Jan. 29, 1953, 181.65; Sept. 2, 177.75; Dec. 23, 177.44; Feb. 2, 1954, 176.20; May 13, 167.45; Aug. 30, 175.70.

3-42-28dda. Clarence Raile. Drilled domestic and stock water-table well in sand and gravel of Ogallala formation, diameter 5 inches, depth 159 feet. Highest water level 151.10 below lsd, May 13, 1954; lowest 151.66 below lsd, June 29, 1953. Records available: 1953-54. June 26, 1953, 151.66; Sept. 2, 151.14; Dec. 22, 151.13; May 13, 1954, 151.10; Aug. 30, 151.30.

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: 1946-54. Feb. 1, 25.68; May 13, 25.69; Aug. 30, 27.91.

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, 1949-54. Feb. 2, 112.90; May 13, 112.90; Aug. 30, 113.05.

4-42-2ccc. Henry Lampe. Drilled observation water-table well in sand and gravel of Ogallala formation, diameter 5 inches, depth 190 feet. Highest water level 176.66 below lsd, Sept. 2, 1953; lowest 177.25 below lsd, Aug. 30, 1954. Records available: 1953-54. June 26, 1953, 176.90; Sept. 2, 176.66; Dec. 22, 177.08; Feb. 2, 1954, 177.23; May 13, 177.00; Aug. 30, 177.25.

4-42-5aaa. W. E. Klie. Drilled domestic and stock water-table well in sand and gravel of Ogallala formation, diameter 5 inches, depth 223 feet. Highest water level 190.90 below lsd, Sept. 2, 1953; lowest 191.67 below lsd, June 26, 1953. Records available: 1953-54. June 26, 1953, 191.67; Sept. 2, 190.90; May 13, 1954, 191.00.

4-42-24cac. Jake Waltz. Drilled irrigation water-table well in Ogallala formation, diameter 24 inches, depth 72 feet. Highest water level 24.48 below lsd, July 25, 1951, May 6, 1952; lowest 25.89 below lsd, Sept. 7, 1947. Records available: 1946-54. Feb. 1, 25.01; May 13, 25.05.

4-42-26bcb. Pete O'Brien. Drilled irrigation water-table well in Ogallala formation, diameter 25 inches, depth 56 feet. Records available: 1954. Feb. 1, 22.51; May 13, 21.58.

5-42-4aac. A. Corder. Drilled stock well, diameter 6 inches, depth 37 feet. Highest water level 21.83 below lsd, Dec. 5, 1947, June 8, 1948; lowest 24.01 below lsd, Aug. 30, 1954. Records available: 1946-50, 1952-54. Feb. 2, 22.84; May 13, 22.86; Aug. 30, 24.01.

Clark County

6. District school. NE¼NE¼ sec. 7, T. 35 S., R. 21 W. Drilled unused water-table well in alluvium, diameter 6 inches, depth 36 feet. Highest water level 26.28 below lsd, June 19, 1951; lowest 27.69 below lsd, Oct. 5, 1943. Records available: 1940-43, 1950-54. Mar. 8, 27.28; June 16, 27.23; Sept. 15, 27.65; Dec. 15, 27.40.

10. J. F. Folks Estate. Drilled stock water-table well in deposits of Pleistocene age, diameter 6 inches, depth 21 feet. Highest water level 14.06 below lsd, Dec. 15, 1954; lowest 17.63 below lsd, Sept. 27, 1946. Records available: 1940-47, 1954. Dec. 15, 14.06.

30-23-6. E. F. Houff. Drilled domestic and stock water-table well in Ogallala formation, diameter 6 inches, depth 156 feet. Highest water level 141.66 below lsd, June 16, 1954; lowest 143.31 below lsd, Mar. 8, 1954. Records available: 1939, 1953-54. June 28, 1939, 142.08; Mar. 23, 1953, 141.83; Dec. 9, 141.87; Mar. 8, 1954, 143.31; June 16, 141.66.

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 1954.

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 1954.

Comanche County

1. A. A. Carpenter. NE¼NW¼ sec. 8, T. 33 S., R. 20 W. Drilled unused water-table well in deposits of Permian age, diameter 6 inches, depth 43 feet. Highest water level 35.30 below lsd, Sept. 19, 1951; lowest 40.52 below lsd, June 20, 1941. Records available: 1940-54. Mar. 8, 36.15; Sept. 15. 36.10; Dec. 15, 36.23.

3. E. Deewall. SW¼NE¼ sec. 19, T. 31 S., R. 18 W. Drilled unused stock well, diameter 6 inches, depth 97 feet. Highest water level 74.48 below lsd, Aug. 31, 1953; lowest 94.07 below lsd, June 8, 1945. Records available: 1940-47, 1953. No measurement made in 1954.

9. H. R. Burnette. NW¼NE¼ 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. Measurement discontinued.

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: 1952-54. Feb. 8, 126.24. Measurement discontinued.

3-26-5cc. 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 143.10 below lsd, Feb. 8, 1954. Records available: 1952-54. Feb. 8, 143.10; Mar. 4, 141.49; Aug. 9, 141.52; Nov. 22, 141.42.

Douglas County

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 23.69 below lsd, Aug. 1, 1954. Records available: 1952-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.71	22.80	22.86	23.03	23.18	23.25	23.30	23.69	.....	23.62	22.96	23.24
2	22.70	22.80	22.86	23.04	23.17	23.25	23.30	23.64	23.10	23.62	22.96	23.24
3	22.70	22.80	22.86	23.06	23.16	23.19	23.28	23.55	23.16	23.61	22.96	23.24
4	22.71	22.80	22.87	23.08	23.16	23.19	23.28	23.51	23.20	23.60	22.97	23.24
5	22.71	22.81	22.88	23.10	23.16	23.19	23.29	23.50	23.21	23.59	22.97	23.27
6	22.71	22.81	22.89	23.11	23.16	23.19	23.29	23.48	23.23	23.59	22.97	23.27
7	22.71	22.81	22.89	23.12	23.17	23.19	23.31	23.42	23.26	23.59	22.98	23.27
8	22.71	22.81	22.89	23.13	23.19	23.19	23.34	.....	23.28	23.59	22.99	23.27
9	22.72	22.81	22.90	23.13	23.20	23.19	23.37	.....	23.31	23.58	23.00	23.28
10	22.72	22.81	22.92	23.13	23.20	23.18	23.38	.....	23.32	23.58	23.01	23.29
11	22.72	22.82	22.93	23.13	23.20	23.19	23.40	.....	23.32	23.58	23.03	23.30
12	22.73	22.83	22.95	23.13	23.20	23.19	23.42	.....	23.32	23.56	23.03	23.31
13	22.73	22.83	22.95	23.16	23.18	23.19	23.44	.....	23.33	23.56	23.04	23.31
14	22.73	22.83	22.95	23.18	23.18	23.21	23.46	.....	23.35	23.48	23.05	23.31
15	22.73	22.83	22.95	23.18	23.18	23.21	23.47	.....	23.36	23.21	23.05	23.31
16	22.74	22.83	22.97	23.18	23.18	23.21	23.48	.....	23.37	23.14	23.06	23.32
17	22.74	22.84	22.97	23.18	23.18	23.21	23.50	.....	23.38	23.10	23.07	23.32
18	22.74	22.84	22.97	23.17	23.18	23.21	23.51	.....	23.39	23.08	23.08	23.33
19	22.74	22.84	22.97	23.17	23.18	23.21	23.52	.....	23.40	23.06	23.10	23.34
20	22.75	22.84	22.97	23.17	23.18	23.21	23.53	.....	23.41	23.04	23.10	23.34
21	22.75	22.84	22.97	23.17	23.19	23.20	23.54	.....	23.43	23.03	23.12	23.35
22	22.76	22.85	22.98	23.16	23.19	.....	23.55	.....	23.45	23.02	23.12	23.35
23	22.76	22.85	22.99	23.16	23.20	.....	23.56	.....	23.46	23.02	23.13	23.36
24	22.76	22.85	22.99	23.16	23.21	23.15	23.57	.....	23.47	23.02	23.15	23.37
25	22.76	22.85	22.99	23.16	23.22	23.19	.....	.....	23.48	23.02	23.16	23.37

12-20-17ccb--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	22.77	22.85	23.00	23.16	23.24	23.22	.....	.....	23.49	23.02	23.16	23.37
27	22.78	22.86	23.02	23.17	23.25	23.25	.....	.....	23.50	23.01	23.16	23.38
28	22.78	22.86	23.02	23.17	23.26	23.26	.....	.....	23.54	22.99	23.19	23.39
29	22.78		23.03	23.17	23.26	23.26	.....	.....	23.58	22.96	23.20	23.39
30	22.80		23.03	23.17	23.26	23.28	.....	.....	23.60	22.96	23.21	23.30
31	22.80		23.03		23.25		.....	.....		22.95		23.30

13-19-21bb. C. E. Banning. Drilled domestic and stock artesian well in Stranger formation. diameter 6 inches, depth 96 feet Highest water level 23.48 below lsd, May 20, 1952; lowest 37.86 below lsd, June 22, 1954. Records available: 1952-54. May 20, 1952, 23.48; Feb. 27, 1953, 28.68; May 29, 31.43; Jan. 27, 1954, 34.06; Feb. 24, 34.50; June 22, 37.86; Dec. 31, 35.46.

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 1954.

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 1954.

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: 1944-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	6.84	Apr. 19	6.87	July 12	7.03	Nov. 17	7.39
Feb. 15	6.95	May 26	6.75	Sept. 21	7.48	Dec. 21	7.11
Mar. 24	6.80	June 23	6.72	Oct. 11	7.60		

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 68.20 below lsd, Mar. 13, 1946. Records available: 1944-54.

Mar. 24	64.90	July 12	63.74	Sept. 21	64.02	Nov. 17	63.39
May 26	64.08	Aug. 17	63.56	Oct. 11	63.39	Dec. 21	63.57
June 23	63.84						

25-16-31da. E. B. Mayhew. Drilled unused irrigation well, diameter 15 inches, depth 70 feet. Highest water level 15.61 below lsd, Oct. 6, 1952; lowest dry, Nov. 17, 1954. Records available: 1945, 1952-54.

Jan. 18	17.68	Apr. 19	17.92	July 20	18.55	Sept. 21	18.60
Feb. 15	17.77	May 26	18.00	Aug. 17	18.85	Nov. 17	(f)
Mar. 24	17.88	June 23	18.18				

f Dry.

Ellis County

215. A. H. Romine. NE¼NW¼ sec. 7, T. 11 S., R. 16 W. Dug stock water-table well in deposits of Pleistocene age diameter 24 inches, depth 20 feet, cribbed with rock. Highest water level 9.76 below lsd July 23, 1951; lowest 17.70 below lsd, Oct. 15, 1947. Records available: 1941-54. Jan. 19, 17.31; Apr. 20, 17.25; July 13, 16.77.

218. W. W. Bemis NE¼NE¼ sec. 16, T. 12 S., R. 17 W. Dug unused water-table well in Codell sandstone member of Carlile shale, diameter 24 inches, depth 83 feet. Highest water level 11.76 below lsd, July 23, 1951; lowest 54.67 below lsd, Dec. 22, 1943. Records available: 1941-54. Jan. 19, 42.89; Apr. 20, 44.27; July 13, 37.16; Oct. 12, 46.49.

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: 1946-54. Apr. 16, 1937.

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, 1954. Apr. 16, 1940.

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: 1946-54. Apr. 17, 21.67.

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: 1946-54. Apr. 17, 20.23.

15-16-6dd. Ted Thalen. Dug domestic and stock water-table well in alluvium, diameter $4\frac{1}{2}$ 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: 1946-54. Apr. 16, 22.10.

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, 1954. Apr. 16, 14.49.

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. Measurement discontinued.

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: 1946-54. Apr. 17, 19.67.

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 9.66 below lsd, Apr. 16, 1954. Records available: 1946-54. Apr. 16, 9.66.

Finney County

1. Mrs. A. M. Reid. $NE\frac{1}{4}NE\frac{1}{4}$ sec. 9, T. 24 S., R. 33 W. Drilled observation water-table well, diameter 15 inches, depth 21 feet. Highest water level 1.05 below lsd, June 29, 1951; lowest 13.87 below lsd, Nov. 16, 1954. Records available: 1936-54.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.28	.....	8.93	8.91	9.03	.....	10.53	11.44	12.32	13.20	13.05	12.82
2	9.27	.....	8.93	8.97	9.06	.....	10.56	11.47	12.35	13.23	13.05	12.82
3	9.26	.....	8.93	8.97	9.11	.....	10.59	11.50	12.37	13.24	13.03	12.81
4	9.26	.....	8.92	8.99	9.15	9.83	10.62	11.54	12.40	13.25	13.03	12.81
5	9.26	.....	8.92	9.00	9.18	9.84	10.66	11.56	12.45	13.26	13.02	12.82
6	9.25	.....	8.92	8.92	9.23	9.86	10.68	11.58	12.49	13.27	13.01	12.83
7	9.24	.....	8.91	8.85	9.25	9.88	10.71	11.61	12.51	13.28	13.01	12.84
8	9.23	.....	8.91	8.83	9.28	9.91	10.74	11.65	12.55	13.26	12.99	12.85
9	9.22	.....	8.91	8.81	9.30	9.93	10.78	11.69	12.58	13.25	12.98	12.85
10	9.22	.....	8.90	8.82	9.33	9.94	10.79	11.72	12.58	13.25	12.97	12.86
11	9.21	.....	8.90	8.83	9.35	9.95	10.83	11.76	12.60	13.24	12.95	12.89
12	9.21	.....	8.89	8.87	9.38	9.97	10.84	11.80	12.62	13.23	12.93	12.89
13	9.20	.....	8.93	8.88	9.31	9.98	10.88	11.82	12.66	13.23	12.91	12.89
14	9.19	.....	8.93	8.89	9.31	10.01	10.91	11.85	12.67	13.23	12.89	12.89
15	9.18	.....	8.93	8.93	9.35	10.04	10.95	11.88	12.70	13.19	12.88	12.89
16	9.17	.....	8.92	8.95	9.38	10.07	10.98	11.91	12.72	13.18	13.87	12.89
17	9.16	.....	8.92	8.95	9.41	10.10	11.07	11.94	12.73	13.18	13.85	12.89
18	9.16	8.93	8.90	8.96	9.43	10.13	11.06	11.97	12.77	13.18	13.84	12.89
19	9.15	8.94	8.90	8.97	9.45	10.17	11.08	12.00	12.80	13.17	13.83	12.89
20	9.14	8.94	8.90	8.98	9.48	10.20	11.12	12.03	12.82	13.16	13.83	12.89
21	9.14	8.94	8.90	9.00	9.52	10.24	11.14	12.05	12.85	13.16	13.82	12.89
22	9.13	8.94	8.89	8.99	9.53	10.28	11.18	12.08	12.91	13.14	12.80	12.89
23	9.12	8.94	8.90	8.91	9.55	10.30	11.21	12.11	12.96	13.17	.....	12.89
24	9.12	8.95	8.89	8.87	9.57	10.33	11.24	12.14	13.01	13.12	.....	12.89
25	9.11	8.94	8.90	8.76	9.58	10.37	11.27	12.17	13.05	13.11	.....	12.89
26	9.11	8.93	8.90	8.78	9.57	10.39	11.30	12.20	13.07	13.09	.....	12.89
27	9.11	8.93	8.90	8.84	9.59	10.42	11.33	12.24	13.10	13.09	.....	12.89
28	9.10	8.93	8.90	8.89	9.62	10.44	11.34	12.25	13.14	13.08	.....	12.89
29	.....		8.90	8.95	.....	10.48	11.37	12.25	13.16	13.07	.....	.....
30	.....		8.90	8.99	.....	10.48	11.39	12.28	13.19	13.06	.....	12.88
31	.....		8.91		.....		11.42	12.30		13.06		12.88

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: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	17.38	Apr. 28	17.55	July 20	18.06	Oct. 25	18.18
Feb. 3	17.46	May 17	17.59	Aug. 16	18.00	Nov. 9	18.26
Mar. 18	17.36	June 10	17.65	Sept. 23	18.05	Dec. 29	18.76

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: 1939-54.

Jan. 12	14.55	May 31	15.31	Aug. 19	16.33	Nov. 30	17.03
Mar. 27	14.57	July 22	16.04	Sept. 28	16.89	Dec. 23	17.14
Apr. 14	14.77						

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: 1939-54. Feb. 18, 72.11; May 31, 72.39; Aug. 24, 72.32; Nov. 30, 72.56.

13. Edwin Wehrley. NE¼SE¼SW¼ sec. 13, T. 25 S., R. 31 W. Dug unused water-table well in sand and gravel, diameter 24 inches, depth 5 feet. Highest water level 0.76 above lsd, May 5, 1942; lowest dry, Oct. 11, 1954. Records available: 1939-54.

Jan. 18	3.20	Mar 24	3.30	May 26	3.73	Aug. 17	3.79
Feb. 15	3.21	Apr. 14	3.75	June 23	3.98	Oct. 11	(f)

f Dry.

23. J. E. Ely. SE¼SW¼SE¼ sec. 4, T. 23 S., R. 32 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 6 inches, depth 60 feet. Highest water level 37.36 below lsd, Oct. 29, 1951; lowest dry at 42.80, Oct. 20, 1954. Records available: 1939-54. Jan. 12, 42.29; Apr. 15, 41.57; July 22. 42.20; Oct. 20, dry at 42.80.

26. Garden City Experiment Station. SW¼NE¼SE¼ sec. 3, T. 24 S., R. 32 W. Drilled unused water-table well in sand and gravel, diameter 26 inches, depth 196 feet. Highest water level 61.59 below lsd, Oct. 21, 1949; lowest 72.63 below lsd, July 22, 1954. Records available: 1934. 1939-54. Jan. 12, 68.74; July 22. 72.63; Oct. 14, 71.15.

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: 1942-54.

Jan. 18	111.95	Apr. 14	111.68	July 22	112.12	Oct. 11	111.84
Feb. 15	111.67	May 26	111.60	Aug. 17	112.56	Nov. 17	111.94
Mar. 24	111.49	June 23	112.05	Sept. 21	112.42	Dec. 21	112.20

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 28.43 below lsd, Apr. 15, 1954. Records available: 1951-54. Jan. 12, 28.17; Apr. 15, 28.43.

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, 1952-54. Feb. 18, 65.94; May 31, 65.14.

Ford County

8. F. H. Diehl. NW¼NW¼ sec. 34, T. 26 S., R. 25 W. Drilled irrigation water-table well in alluvium, diameter 20 inches, depth 23 feet. Highest water level 0.86 below lsd, May 13, 1942; lowest 8.47 below lsd, Oct. 11, 1954. Records available: 1938-54. Jan. 18, 7.10; Oct. 11, 8.47.

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, 1951-54. Jan. 18, 66.73; Mar. 19, 65.74; Oct. 11, 65.30.

96. Henry Hattrup. SE¼NE¼ sec. 23, T. 26 S., R. 21 W. Drilled irrigation water-table well in alluvium, diameter 34 inches, depth 29 feet. Highest water level 5.45 below lsd, Apr. 15, 1952; lowest 10.22 below lsd, Sept. 5, 1939. Records available: 1938-54. Jan. 18, 8.38; Mar. 19, 8.31; July 12, 8.35.

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, 1952-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	103.42	Mar. 14	103.40	July 12	103.87	Oct. 11	102.99
Feb. 15	104.49	May 26	103.93	Aug. 17	104.10	Nov. 17	104.18
Mar. 8	103.35	June 23	103.61	Sept. 21	104.71	Dec. 21	103.93

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. Measurement discontinued.

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: 1952-54. Feb. 8, 94.21; May 3, 94.32; Aug. 9, 94.20; Nov. 22, 94.29.

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 99.99 below lsd, May 3, 1954; lowest 100.49 below lsd, Aug. 11, 1952. Records available: 1952-54. Feb. 8, 100.10; May 3, 99.99; Nov. 22, 100.15.

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 90.79 below lsd, Nov. 22, 1954. Records available: 1952-54. Feb. 8, 90.53; May 3, 90.61; Aug. 9, 90.65; Nov. 22, 90.79.

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 63.28 below lsd, May 3, 1954. Records available: 1952-54. Feb. 8, 62.94; May 3, 63.28; Aug. 9, 62.20; Nov. 22, 62.26.

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: 1952-54. Feb. 8, 40.45; May 3, 40.50; Aug. 9, 40.19; Nov. 22, 40.32.

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 33.53 below lsd, May 3, 1954. Records available: 1952-54. Feb. 8, 32.56; May 3, 33.53; Aug. 9, 30.41; Nov. 22, 32.61.

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: 1952-54. Feb. 8, 16.35; Aug. 9, 15.42; Nov. 22, 16.35.

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 31.29 below lsd, Nov. 22, 1954. Records available: 1952-54. Feb. 8, 30.75; May 3, 30.48; Aug. 9, 30.84; Nov. 22, 31.29.

Grant County

4. Flossie J. Andes. SE¼SE¼ sec. 9, T. 27 S., R. 38 W. Drilled observation well in Ogallala formation, diameter 8 inches, depth 99 feet. Highest water level 83.94 below lsd, Dec. 8, 1952; lowest 87.52 below lsd, May 14, 1944. Records available: 1941-54. Measurements for 1952 and 1953 were erroneously listed under well 4a. Corrected measurements for 1952 and 1953 are included here.

Jan. 15, 1952	84.12	Oct. 13, 1952	84.03	Mar. 11, 1953	83.89	Sept. 2, 1953	85.01
Feb.	84.02	Nov. 17	84.07	Apr. 9	84.58	Oct. 8	85.22
Mar. 4	84.14	Dec. 8	83.94	May 25	84.80	Nov. 18	85.40
July	84.14	Jan. 12, 1953	84.35	July 16	84.85	Feb. 10, 1954	86.14
Aug. 11	84.26	Feb. 18	84.58	Aug. 10	84.84		

5. C. L. Jury. NE¼SE¼ sec. 4, T. 27 S., R. 37 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 78 feet. Highest water level 65.53 below lsd, May 9, Nov. 28, 1951; lowest 74.75 below lsd, Aug. 11, 1954. Records available: 1941-54. Feb. 10, 66.05; May 31, 71.72; Aug. 11, 74.75; Nov. 15, 70.59.

7. Ethel W. Hoffman. SE¼SW¼ sec. 36, T. 28 S., R. 36 W. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 91 feet. Highest water level 78.29 below lsd, May 19, 1952; lowest 82.76 below lsd, Sept. 25, 1943. Records available: 1941-54. Feb. 10, 78.42.

400. State of Kansas. SE¼NE¼ sec. 6, T. 28 S., R. 38 W. Drilled observation water-table well in Ogallala formation, diameter 12 inches, depth 100 feet. Highest water level 52.70 below lsd, Feb. 28, 1945; lowest 59.64 below lsd, Oct. 3, 1954. Records available: 1944-54.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	57.41	.....	56.97	.....	57.65	58.08	58.23	58.74	59.30	59.63	59.15	58.58
2	57.40	.....	56.97	.....	57.69	58.08	58.24	58.74	59.32	59.63	59.11	58.57
3	57.39	.....	56.97	.....	57.71	58.09	58.26	58.74	59.33	59.64	59.10	58.55
4	57.38	.....	56.96	.....	57.72	58.08	58.28	58.74	59.34	59.62	59.10	58.54
5	57.37	.....	56.96	.....	57.75	58.07	58.30	58.74	59.36	59.62	.....	58.52
6	57.36	.....	56.95	.....	57.75	58.06	58.31	58.76	59.37	59.59	.....	58.51
7	57.35	.....	56.95	.....	57.77	58.07	58.35	58.77	59.38	59.58	.....	.....
8	57.32	.....	56.94	.....	57.79	58.07	58.38	58.79	59.39	59.57	.....	.....
9	57.32	.....	56.93	.....	57.81	58.07	58.39	58.80	59.41	59.56	.....	.....
10	57.31	57.12	56.92	.....	57.85	58.07	58.39	58.82	59.42	59.55	.....	.....
11	57.31	57.13	56.91	.....	57.88	58.07	58.41	58.83	59.43	59.54	.....	.....
12	57.30	57.13	56.90	.....	57.92	58.07	58.41	58.86	59.43	59.52	.....	.....
13	57.28	57.11	56.91	57.17	57.94	58.07	58.44	58.87	59.45	59.51	.....	.....
14	57.28	57.10	56.93	57.17	57.95	58.10	58.47	58.88	59.46	59.50	.....	.....
15	57.27	57.10	56.92	57.20	57.98	58.10	58.49	58.89	59.48	59.48	58.90	.....
16	57.26	57.09	56.90	57.25	58.00	58.11	58.52	58.89	59.48	59.48	58.89	.....
17	57.24	57.08	56.89	57.27	58.03	58.12	58.52	58.92	59.49	59.48	58.87	.....
18	57.22	57.06	57.87	57.30	58.05	58.13	58.53	58.93	59.51	59.47	58.86	.....
19	.....	57.05	57.87	57.33	58.07	58.15	58.56	59.02	59.53	59.44	58.81	.....
20	.....	57.05	57.86	57.36	58.10	58.15	58.58	59.06	59.53	59.43	58.78	.....
21	.....	57.03	.....	57.38	58.10	58.15	58.60	59.09	59.55	59.41	58.75	59.18
22	.....	57.03	.....	57.40	58.10	58.16	58.62	59.12	59.55	59.40	58.75	59.20
23	.....	57.03	.....	57.42	58.10	58.16	58.64	59.13	59.56	59.37	58.75	59.23
24	.....	57.00	.....	57.44	58.10	58.15	58.67	59.15	59.58	59.35	58.74	59.26
25	.....	57.00	.....	57.47	58.10	58.15	58.69	59.17	59.59	59.34	58.70	59.28
26	.....	56.99	.....	57.49	58.11	58.16	58.70	59.19	59.60	59.32	58.68	59.29
27	.....	57.00	.....	57.52	58.10	58.17	58.72	59.22	59.60	59.30	58.65	59.30
28	.....	57.00	.....	57.55	58.10	58.18	58.89	59.23	59.61	59.28	58.62	59.29
29	.....		.....	57.58	58.10	58.20	58.73	59.22	59.62	59.25	58.61	59.26
30	.....		.....	57.62	58.09	58.22	58.73	59.26	59.63	59.23	58.60	59.25
31	.....		.....		58.08		58.73	59.28		59.20		59.24

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, 1951-54. Feb. 10, 174.02; Aug. 11, 174.72; Nov. 15, 175.29.

30-37-20cb. J. H. Lewis. Drilled irrigation water-table well, diameter 16 inches, depth 335 feet. Highest water level 114.40 below lsd, Aug. 8, 1941; lowest 131.78 below lsd, May 31, 1954. Records available: 1941, 1952-54. Aug. 8, 1941, 114.40; Sept. 10, 1952, 130.38; May 25, 1953, 129.21; Nov. 18, 129.33; Feb. 10, 1954, 125.56; May 31, 131.78; Nov. 15, 129.58.

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. Measurement discontinued.

7. P. Brietenbach and others. SE¼SW¼SE¼ sec. 36, T. 26 S., R. 29 W. Drilled unused water-table well, diameter 6 inches, depth 86 feet. Highest water level 64.80 below lsd, Sept. 3, 1952; lowest 77.70 below lsd, May 22, 1940. Records available: 1939-49, 1952-54. July 17, 1952, 65.95; Sept. 3, 64.80; Dec. 29, 1953, 65.48; Mar. 16, 1954, 65.61; June 9, 66.12; Sept. 14, 67.73; Dec. 13, 67.65.

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: 1939-54. Mar. 16, 56.28; June 9, 56.09; Sept. 14, 56.50; Dec. 13, 56.66.

25-29-35. Owner unknown. SW¼SW¼ sec. 35, T. 25 S., R. 29 W. Drilled unused irrigation well, diameter 12 inches, depth 28 feet. Highest water level 6.00 below lsd, Feb. 15, 1954; lowest 7.19 below lsd, July 12, 1954. Records available: 1952-54. Jan. 18, 6.02; Feb. 15, 6.00; Apr. 14, 6.14; June 23, 6.85; July 12, 7.19.

26-29-7cb. (Reported in 1939 as well 21.) C. M. Davis. Drilled unused stock water-table well, diameter 6 inches, depth 100 feet. Highest water level 79.22 below lsd, Dec. 13, 1954; lowest 88.83 below lsd, Oct. 13, 1939. Records available: 1939, 1953-54. Oct. 13, 1939, 88.83; Mar. 12, 1953, 79.32; June 4, 79.29; Dec. 29, 79.35; June 9, 1954, 79.47; Dec. 13, 79.22.

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: 1947-54. Jan. 14, 130.06; Mar. 18, 130.01; July 21, 130.17; Sept. 23, 131.56; Nov. 9, 130.27.

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: 1947-54. Mar. 18, 138.05; July 21, 138.36; Sept. 23, 138.38; Nov. 9, 138.51.

19-43-25aad. M. Hall. Drilled observation water-table well in Ogallala formation, diameter 6 inches, depth 101 feet. Highest water level 89.15 below lsd, Sept. 3, 1953; lowest 100.69 below lsd, May 24, 1949. Records available: 1947-54. Jan. 14, 89.28.

Hamilton County

2a. Chester Huser. Formerly Robert Hazlett. NE¼NE¼ sec. 21, T. 23 S., R. 43 W. Drilled irrigation well, diameter 40 inches, depth 29 feet. South well of a battery of 3 irrigation wells. Highest water level 11.44 below lsd, June 29, 1951; lowest 15.35 below lsd, Aug. 19, 1948. Records available: 1944-54. Corrected measurements.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 7, 1944	13.04	Feb. 25, 1948	13.25	Sept. 28, 1951	12.47	Apr. 24, 1953	13.67
Aug. 4	12.67	May 27	13.80	Oct. 26	12.56	June 26	14.38
Sept. 1	13.97	Aug. 19	15.35	Nov. 30	12.75	July 24	14.64
Oct. 25	13.73	Nov. 11	13.18	Dec. 21	12.94	Aug. 14	14.07
Nov. 25	13.62	Feb. 21, 1949	13.07	Jan. 25, 1952	12.95	Sept. 11	14.14
Dec. 2	13.59	May 25	12.20	Feb. 22	12.97	Oct. 16	14.52
Jan. 13, 1945	13.56	Aug. 24	14.66	Mar. 28	12.97	Dec. 31	14.26
Feb. 10	13.56	Nov. 25	13.02	Apr. 22	12.81	Jan. 22, 1954	14.22
May 11	13.54	Feb. 24, 1950	13.37	May 23	12.77	Feb. 20	14.33
Aug. 10	13.46	Mar. 27	13.79	July 25	14.87	Mar. 29	14.35
Feb. 15, 1946	12.62	May 12	13.21	Oct. 3	13.49	Apr. 23	14.23
May 10	13.22	Nov. 28	12.68	23	13.51	June 25	15.22
Nov. 23	12.98	Feb. 14, 1951	12.98	Nov. 28	13.59	Aug. 20	14.65
Feb. 15, 1947	13.44	May 31	11.56	Dec. 19	13.70	Sept. 24	14.91
Apr. 11	12.24	June 29	11.44	Jan. 23, 1953	13.82	Oct. 22	14.92
May 17	13.09	July 27	11.96	Feb. 20	13.92	Nov. 26	14.79
Aug. 20	13.38	Aug. 24	13.18	Mar. 27	13.98	Dec. 24	14.75
Nov. 5	13.24						

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 16.24 below lsd, Aug. 20, 1954. Records available: 1939-54.

Jan. 22	14.79	May 12	14.49	Aug. 20	16.24	Nov. 23	15.40
Mar. 29	14.96	June 25	15.03	Sept. 24	15.74	Dec. 24	15.32
Apr. 23	15.04	July 23	16.15	Oct. 22	15.73		

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 56.40 below lsd, July 23, 1954. Records available: 1939-54.

6--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	53.75	Mar. 15	53.57	Apr. 23	54.58	Aug. 20	56.38
15	53.70	22	53.56	30	54.54	29	56.25
22	53.78	29	53.57	May 7	55.12	Sept. 24	55.75
29	53.65	Apr. 5	53.58	14	55.10	Oct. 22	55.47
Feb. 5	53.61	9	53.62	June 25	55.11	Nov. 23	54.47
20	53.55	16	54.15	July 23	56.40	Dec. 24	54.21
Mar. 5	53.63						

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: 1939-54. Feb. 2, 45.28. Measurement discontinued.

Harvey County

101. City of Wichita. NW¼NW¼ sec. 18, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 75 feet. Highest water level 33.08 below lsd, Nov. 2, 1954; lowest 34.00 below lsd, Dec. 1, 1954. Records available: 1954. Sept. 15, 33.53; Sept. 30, 33.80; Nov. 2, 33.08; Dec. 1, 34.00; Dec. 30, 33.31.

102. City of Wichita. NE¼NE¼ sec. 24, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 68 feet. Highest water level 30.07 below lsd, Nov. 2, 1954; lowest 32.31 below lsd, Dec. 1, 1954. Records available: 1954. Sept. 13, 31.65; Sept. 30, 31.94; Nov. 2, 30.07; Dec. 1, 32.31; Dec. 30, 30.67.

103. City of Wichita. SW¼SW¼ sec. 19, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 73 feet. Highest water level 28.40 below lsd, Nov. 2, 1954; lowest 32.50 below lsd, Dec. 1, 1954. Records available: 1954. Sept. 13, 30.97; Sept. 30, 32.17; Nov. 2, 28.40; Dec. 1, 32.50; Dec. 30, 29.20.

104. City of Wichita. NW¼NW¼ sec. 23, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 81 feet. Highest water level 23.45 below lsd, Sept. 15, 1954; lowest 24.89 below lsd, Nov. 2, 1954. Records available: 1954. Sept. 15, 23.45; Sept. 30, 23.81; Nov. 2, 24.89; Dec. 1, 24.25; Dec. 30, 24.10.

105. City of Wichita. SE¼SE¼ sec. 18, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 60 feet. Highest water level 23.28 below lsd, Nov. 2, 1954; lowest 25.35 below lsd, Sept. 30, 1954. Records available: 1954. Sept. 10, 23.49; Sept. 30, 25.35; Nov. 2, 23.28; Dec. 1, 23.75; Dec. 30, 23.88.

106. City of Wichita. NW¼NW¼ sec. 36, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 62 feet. Highest water level 24.61 below lsd, Nov. 2, 1954; lowest 25.23 below lsd, Dec. 1, 1954. Records available: 1954. Sept. 16, 24.92; Sept. 30, 24.99; Nov. 2, 24.61; Dec. 1, 25.23; Dec. 30, 25.14.

107. City of Wichita. NW¼SW¼ sec. 3, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 66 feet. Highest water level 37.48 below lsd, Sept. 2, 1954; lowest 40.35 below lsd, Dec. 30, 1954. Records available: 1954. Sept. 2, 37.48; Sept. 30, 40.28; Nov. 2, 39.90; Dec. 1, 39.53; Dec. 30, 40.35.

108. City of Wichita. NW¼NW¼NW¼ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 38 feet. Highest water level 10.06 below lsd, July 27, 1954; lowest 10.62 below lsd, Dec. 30, 1954. Records available: 1954. July 27, 10.06; Sept. 30, 10.25; Nov. 2, 10.38; Dec. 1, 10.51; Dec. 30, 10.62.

109. City of Wichita. NE¼NE¼NE¼ sec. 22, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 39 feet. Highest water level 12.50 below lsd, July 27, 1954; lowest 13.46 below lsd, Dec. 30, 1954. Records available: 1954. July 27, 12.50; Sept. 30, 13.17; Nov. 1, 13.32; Dec. 1, 13.37; Dec. 30, 13.46.

110. City of Wichita. SW¼SW¼SW¼ sec. 24, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 38 feet. Highest water level 8.00 below lsd, July 27, 1954; lowest 9.03 below lsd, Dec. 30, 1954. Records available: 1954. July 27, 8.00; Sept. 30, 8.65; Nov. 1, 8.81; Dec. 1, 8.92; Dec. 30, 9.03.

111. City of Wichita. SE¼SE¼SE¼ sec. 2, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 42 feet. Highest water level 16.36 below lsd, June 25, 1954; lowest 18.13 below lsd, Nov. 2, 1954. Records available: 1954. June 25, 16.36; Sept. 30, 17.20; Nov. 2, 18.13; Dec. 1, 17.07; Dec. 30, 16.95.

112. City of Wichita. SE¼SE¼SE¼ sec. 24, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 40 feet. Highest water level 20.06 below lsd, June 25, 1954; lowest 21.58 below lsd, Dec. 30, 1954. Records available: 1954. June 25, 20.06; Sept. 30, 20.82; Nov. 2, 21.10; Dec. 1, 21.30; Dec. 30, 21.58.

113. City of Wichita. NW¼NW¼NW¼ sec. 29, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 29 feet. Highest water level 20.90 below lsd, June 28, 1954; lowest 21.69 below lsd, Dec. 30, 1954. Records available: 1954. June 28, 20.90; Sept. 30, 21.39; Nov. 2, 21.46; Dec. 1, 21.60; Dec. 30, 21.69.

114. City of Wichita. NE¼NE¼NE¼ sec. 7, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 32 feet. Highest water level 7.60 below lsd, July 27, 1954; lowest 8.64 below lsd, Dec. 30, 1954. Records available: 1954. July 27, 7.60; Oct. 1, 8.29; Nov. 1, 8.42; Dec. 1, 8.55; Dec. 30, 8.64.

116. City of Wichita. NW¼NW¼NW¼ sec. 17, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 30 feet. Highest water level 18.20 below lsd, June 29, 1954; lowest 19.15 below lsd, Dec. 30, 1954. Records available: 1954. June 29, 18.20; Oct. 1, 18.71; Nov. 2, 18.88; Dec. 1, 18.82; Dec. 30, 19.15.

117. City of Wichita. SW¼SW¼SW¼ sec. 20, T. 24 S., R. 1 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter, 1¼ inches, depth 39 feet. Highest water level 13.25 below lsd, June 29, 1954; lowest 13.75 below lsd, Dec. 30, 1954. Records available: 1954. June 29, 13.25; Oct. 1, 13.45; Nov. 1, 13.52; Dec. 1, 13.62; Dec. 30, 13.75.

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 19.12 below lsd, Aug. 18, 1954. Records available: 1938-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.11	16.91	16.84	17.01	16.72	.....	17.31	18.90	18.11	18.22	17.62	18.05
2	17.18	16.91	16.88	17.00	16.58	.....	17.38	18.60	18.11	18.27	17.63	.....
3	17.18	16.92	16.90	17.00	16.34	.....	17.41	18.69	18.10	18.27	17.60	18.05
4	17.19	16.96	16.90	16.99	16.23	.....	17.39	18.94	18.07	18.22	17.63	18.14
5	17.20	16.97	16.89	16.99	16.27	16.69	17.39	18.97	18.07	.....	17.69	18.10
6	17.21	.....	16.87	16.99	16.32	16.70	17.49	18.82	17.99	.....	17.69	18.08
7	17.19	.....	16.85	17.04	16.36	16.74	17.51	18.98	18.02	.....	17.69	18.00
8	17.21	.....	16.85	17.05	16.38	16.74	17.49	18.98	18.16	.....	17.94	17.85
9	17.23	.....	16.83	17.02	16.40	16.77	17.65	18.90	18.12	18.07	18.04	17.84
10	17.23	17.04	16.84	17.06	16.40	16.80	17.76	19.04	17.99	18.06	18.09	17.82
11	17.20	17.08	16.84	17.09	16.41	17.00	17.75	19.05	17.94	18.05	18.20	.....
12	17.20	17.08	16.91	17.10	16.47	17.00	17.89	18.98	17.90	18.04	18.17	.....
13	17.15	17.04	16.97	17.09	16.53	16.83	18.02	18.90	17.89	18.10	18.16	.....
14	17.08	17.04	16.97	17.25	16.57	16.76	18.12	18.93	17.95	.....	18.15	.....
15	17.08	17.08	16.99	17.36	16.64	16.78	18.22	18.83	18.04	18.13	18.15	.....
16	17.08	17.10	16.99	17.40	16.66	16.65	18.25	18.85	18.14	18.14	18.25	.....
17	17.07	17.09	16.97	17.41	16.70	16.62	18.32	19.06	.....	18.14	18.30	.....
18	17.01	17.06	16.94	17.41	16.70	16.54	18.32	19.12	.....	18.09	18.32	.....
19	17.00	17.02	16.97	17.39	16.73	16.56	18.39	19.09	.....	18.07	18.34	.....
20	17.02	16.93	16.99	17.43	16.75	16.66	18.51	19.03	.....	18.03	18.33	.....
21	17.02	16.96	16.99	17.44	16.76	16.79	18.58	18.87	.....	18.02	18.11	.....
22	16.99	16.96	16.99	17.41	16.80	16.84	18.63	18.72	.....	18.01	18.18	.....
23	16.96	16.96	16.99	17.42	16.83	16.84	18.69	18.50	.....	18.00	18.24	.....
24	16.93	16.93	16.97	17.42	16.83	16.89	18.71	18.40	18.29	17.96	18.29	17.95
25	16.92	16.88	16.99	17.22	16.83	16.89	18.71	18.16	18.41	17.95	18.21	17.89
26	16.90	16.86	17.00	17.12	16.79	16.92	18.67	18.21	18.40	17.87	18.26	17.74
27	16.89	16.87	16.98	17.05	16.76	16.92	18.75	18.23	18.22	17.87	18.24	17.70
28	16.88	16.87	16.96	17.01	16.79	17.13	18.78	18.41	18.17	17.78	18.22	17.66
29	16.84		16.99	16.98	16.82	17.25	18.85	18.41	18.19	17.73	18.03	17.61
30	16.86		17.00	16.81	16.82	17.26	18.89	18.08	18.20	17.68	18.09	17.57
31	16.87		17.01		.....		18.93	18.10		17.66		17.54

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: 1938-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	14.96	Apr. 30	14.00	Aug. 3	16.47	Nov. 2	14.10
Mar. 2	14.63	June 2	14.48	Sept. 1	14.70	Dec. 1	15.31
Apr. 1	15.62	July 1	14.74	30	15.50	30	14.50

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 12.12 below lsd, Dec. 30, 1954. Records available: 1950-54. Apr. 1, 10.46; July 1, 9.82; Sept. 30, 10.53; Dec. 30, 12.12.

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 18.66 below lsd, Dec. 1, 1954. Records available: 1938-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	17.57	Apr. 30	17.70	Aug. 2	17.94	Nov. 2	14.75
Mar. 2	17.56	June 2	17.54	Sept. 1	18.25	Dec. 1	18.66
Apr. 1	17.55	July 1	17.59	30	18.49	30	16.64

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 28.70 below lsd, Nov. 2, 1954. Records available: 1938-54.

Feb. 1	26.48	Apr. 30	26.96	Aug. 2	27.26	Nov. 2	28.70
Mar. 2	26.65	June 2	26.88	Sept. 1	27.50	Dec. 1	28.10
Apr. 1	26.73	July 1	27.08	30	27.80	30	28.19

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: 1938-54.

Feb. 1	14.30	Apr. 30	14.29	Aug. 2	15.05	Nov. 2	15.72
Mar. 2	14.30	June 2	14.18	Sept. 1	15.24	Dec. 1	15.80
Apr. 1	14.29	July 1	14.47	30	15.57	30	15.88

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 22.07 below lsd, Nov. 2, 1954. Records available: 1938-54.

Feb. 1	19.25	Apr. 30	12.92	Aug. 2	20.59	Nov. 2	22.07
Mar. 2	19.46	June 2	19.99	Sept. 1	20.25	Dec. 1	21.46
Apr. 2	19.70	July 1	20.26	30	21.05	30	21.63

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 28.28 below lsd, Dec. 30, 1954. Records available: 1938-54.

Feb. 1	25.89	Apr. 30	26.54	Sept. 1	27.25	Dec. 1	28.07
Mar. 2	25.98	June 2	26.53	30	27.72	30	28.28
Apr. 2	26.12	July 1	26.69	Nov. 2	27.82		

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 17.62 below lsd, Dec. 30, 1954. Records available: 1938-54.

Feb. 1	15.20	Apr. 30	15.92	Aug. 2	16.75	Nov. 2	17.22
Mar. 2	15.40	June 2	15.90	Sept. 1	16.88	Dec. 1	17.43
Apr. 2	15.71	July 1	16.22	30	17.17	30	17.62

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 15.29 below lsd, Dec. 30, 1954. Records available: 1938-54.

Feb. 1	13.81	Apr. 30	13.63	Aug. 2	14.52	Nov. 2	15.10
Mar. 2	13.71	June 2	13.43	Sept. 1	14.73	Dec. 1	15.18
Apr. 1	13.59	July 1	14.00	30	15.02	30	15.29

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: 1938-54.

Feb. 1	33.13	Apr. 30	33.12	Aug. 2	33.18	Nov. 2	32.90
Mar. 2	32.88	June 2	33.12	Sept. 1	33.36	Dec. 1	33.30
Apr. 1	33.07	July 1	33.14	30	33.24	30	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 7.19 below lsd, Nov. 2, 1954. Records available: 1939-54.

Feb. 1	6.20	Apr. 30	5.79	Aug. 2	6.84	Nov. 2	7.19
Mar. 1	5.85	June 1	4.95	Sept. 1	6.67	Dec. 1	7.12
Apr. 1	6.00	July 1	5.14	30	7.08	30	7.01

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 29.90 below lsd, Dec. 30, 1954. Records available: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	28.20	Apr. 30	28.54	Aug. 2	28.76	Nov. 2	29.52
Mar. 1	28.30	June 1	28.82	Sept. 1	29.10	Dec. 1	29.69
Apr. 1	28.39	July 1	28.80	30	29.30	30	29.90

877. A. B. Havely. SE¼SE¼ sec. 17, T. 23 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 6 inches, depth 47 feet. Highest water level 9.95 below lsd, May 6, 1945; lowest 17.40 below lsd, Dec. 30, 1954. Records available: 1939-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.53	15.74	15.86	15.89	15.85	.....	15.89	16.04	.....	17.08	17.17	17.32
2	15.55	15.74	15.86	15.88	15.86	.....	15.89	16.05	.....	17.08	17.19	17.32
3	15.55	15.74	15.86	15.89	15.86	.....	15.89	16.05	.....	17.09	17.19	17.32
4	15.55	15.73	15.86	15.89	15.86	.....	15.89	16.05	.....	17.09	17.16	17.32
5	15.55	15.74	15.86	15.89	15.86	.....	15.89	16.05	.....	17.09	17.16	17.28
6	15.55	15.75	15.86	15.88	15.84	.....	15.89	16.05	.....	17.10	17.16	17.28
7	15.55	15.75	15.86	15.92	15.85	.....	15.90	16.06	.....	17.10	17.16	17.28
8	15.56	15.75	15.87	15.92	15.85	.....	15.90	16.06	.....	17.10	17.16	17.28
9	15.56	15.74	15.87	15.92	15.85	.....	15.91	16.06	.....	17.11	17.16	17.28
10	15.57	15.74	15.87	15.92	15.84	.....	15.91	16.07	.....	17.11	17.16	17.28
11	15.58	15.75	15.87	15.93	15.84	.....	15.92	16.07	.....	17.11	17.17	17.29
12	15.58	15.75	15.87	15.93	15.84	.....	15.93	16.07	.....	17.11	17.17	17.29
13	15.59	15.75	15.87	15.93	15.84	.....	15.93	16.08	.....	17.12	17.17	17.29
14	15.59	15.74	15.87	15.91	15.84	.....	15.94	16.08	.....	17.12	17.17	17.29
15	15.60	15.75	15.87	15.92	15.84	.....	15.95	16.09	.....	17.12	17.17	17.29
16	15.61	15.75	15.87	15.93	15.84	.....	15.95	16.10	.....	17.12	17.17	17.29
17	15.61	15.75	15.87	15.93	15.84	.....	15.95	16.10	.....	17.13	17.19	17.30
18	15.61	15.75	15.88	15.92	15.84	.....	15.96	16.10	.....	17.13	17.19	17.32
19	15.62	15.75	15.88	15.93	15.84	.....	15.96	16.10	.....	17.13	17.20	17.32
20	15.63	15.73	15.88	15.93	15.84	.....	15.97	16.10	.....	17.14	17.20	17.33
21	15.63	15.73	15.88	15.93	15.84	.....	15.97	16.11	.....	17.14	17.20	17.33
22	15.64	15.76	15.88	15.93	15.84	.....	15.98	16.11	.....	17.14	17.20	17.33
23	15.64	15.76	15.88	15.93	15.84	.....	15.98	16.11	.....	17.15	17.20	17.34
24	15.64	15.77	15.88	15.93	15.82	.....	15.99	16.11	.....	17.15	17.20	17.34
25	15.65	15.77	15.88	15.93	15.82	.....	16.00	16.11	.....	17.15	17.20	17.34
26	15.65	15.77	15.88	15.93	.....	.....	16.00	16.11	.....	17.15	17.20	17.35
27	15.65	15.77	15.88	15.93	.....	.....	16.01	16.11	.....	17.16	17.21	17.35
28	15.65	15.83	15.89	15.92	.....	.....	16.01	16.13	.....	17.16	17.22	17.36
29	15.66		15.89	15.88	.....	.....	16.02	16.14	.....	17.16	17.27	17.37
30	15.66		15.89	15.85	.....	.....	16.03	16.16	.....	17.16	17.31	17.40
31	.....		15.89		.....		16.03	16.17		17.17		.....

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: 1938-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	31.16	Apr. 30	31.50	Aug. 2	31.90	Nov. 2	31.47
Mar. 2	31.25	June 2	31.48	Sept. 1	32.06	Dec. 1	32.50
Apr. 1	31.35	July 1	31.69	30	32.28	30	32.80

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 36.36 below lsd, Sept. 30, 1954. Records available: 1938-54.

Feb. 1	34.63	Apr. 30	34.88	Aug. 2	35.64	Nov. 2	36.32
Mar. 2	34.65	June 2	34.88	Sept. 1	35.97	Dec. 1	36.35
Apr. 1	34.78	July 1	35.25	30	36.36	30	36.02

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: 1938-54.

Feb. 1	11.27	Apr. 30	11.47	Aug. 2	11.20	Nov. 2	13.13
Mar. 2	11.13	June 2	11.17	Sept. 1	11.75	Dec. 1	11.74
Apr. 1	11.37	July 1	11.44	30	11.98	30	12.39

881. Peter Miller. SE¼SE¼ sec. 11, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 57 feet. Highest water level 3.23 below lsd, Sept. 30, 1945; lowest 12.60 below lsd, Nov. 2, 1954. Records available: 1938-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	10.88	Apr. 30	11.07	Aug. 2	11.60	Nov. 2	12.60
Mar. 2	10.71	June 2	10.81	Sept. 1	11.31	Dec. 1	12.26
Apr. 1	11.03	July 1	10.96	30	11.44	30	11.70

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 32.05 below lsd, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	29.61	Apr. 30	30.22	Aug. 2	30.90	Nov. 2	31.33
Mar. 2	29.99	June 2	30.27	Sept. 1	31.36	Dec. 1	32.05
Apr. 2	29.34	July 1	30.85	30	31.86	30	31.74

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 32.12 below lsd, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	29.50	Apr. 30	30.37	Aug. 2	30.97	Nov. 2	31.43
Mar. 2	29.99	June 2	30.27	Sept. 1	31.44	Dec. 1	32.12
Apr. 2	29.38	July 1	30.93	30	31.89	30	31.79

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 32.60 below lsd, Dec. 30, 1954. Records available: 1939-54.

Feb. 1	30.25	Apr. 30	29.96	Aug. 2	32.01	Nov. 2	31.90
Mar. 2	30.20	June 2	30.20	Sept. 1	31.38	Dec. 1	32.29
Apr. 2	30.03	July 1	30.92	30	32.05	30	32.60

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 29.08 below lsd, Sept. 25, 30, 1954. Records available: 1939-54.

Jan. 26	24.90	Apr. 27	26.57	July 27	28.37	Sept. 30	29.08
Feb. 1	25.69	30	27.00	Aug. 2	28.30	Oct. 26	28.42
26	26.27	Mar. 26	26.80	23	28.22	Nov. 2	29.00
Mar. 2	25.90	June 2	26.11	Sept. 1	28.65	Dec. 1	26.30
25	25.28	25	26.42	25	29.08	30	26.78
Apr. 2	26.82	July 1	27.10				

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 30.54 below lsd, Sept. 30, 1954. Records available: 1939-54.

Feb. 1	26.77	Apr. 30	28.32	Aug. 2	29.65	Nov. 2	30.48
Mar. 2	27.05	June 2	27.19	Sept. 1	29.96	Dec. 1	26.64
Apr. 2	28.24	July 1	28.33	30	30.54	30	27.53

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 dry, Feb. 1, Dec. 30, 1954. Records available: 1939-54. Feb. 1, dry; June 2, 9.33; July 1, 10.10; Dec. 30, dry.

889. C. K. Ellis. NW¼NW¼ sec. 17, T. 23 S., R. 2 W. Drilled observation water-table well in medium sand, diameter 1¼ inches, depth 151 feet. Highest water level 0.62 below lsd, Aug. 1, 1951; lowest 11.10 below lsd, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	10.00	Apr. 30	9.74	Aug. 2	10.42	Nov. 2	10.29
Mar. 2	10.13	June 2	9.17	Sept. 1	10.50	Dec. 1	11.10
Apr. 1	10.25	July 1	9.43	30	11.05	30	10.53

890a. J. F. Jorgensen. NE¼SE¼SE¼ sec. 21, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 15 feet. Highest water level 6.98 below lsd, Feb. 1, 1954; lowest 8.88 below lsd, Dec. 1, 1954. Records available: 1954.

Feb. 1	6.98	June 2	7.32	Sept. 1	8.58	Nov. 1	8.73
Mar. 1	7.69	29	7.81	30	8.69	Dec. 1	8.88
Apr. 1	7.77	30	7.82	Oct. 1	8.67	30	8.75
May 3	7.32	Aug. 2	8.38				

891. Arthur McMurry. SE¼SE¼ sec. 31, T. 24 S., R. 3 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 7 feet. Highest water level 0.46 below lsd, May 11, 1942; lowest dry, Aug. 2, Dec. 1, 1954. Records available: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	4.14	May 3	3.30	June 30	4.42	Dec. 1	(f)
Mar. 1	4.03	June 2	3.49	Aug. 2	(f)	30	4.60
31	4.02						

f Dry.

892. Arthur McMurry. SE¼SE¼ sec. 31, T. 24 S., R. 3 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 106 feet. Highest water level 1.15 above lsd, May 12, 1944; lowest 4.84 below lsd, Oct. 1, 1954. Records available: 1939-54.

Feb. 1	3.40	May 3	2.74	Aug. 2	4.47	Nov. 1	4.58
Mar. 1	3.28	June 2	2.77	Sept. 1	4.75	Dec. 1	4.34
31	3.28	30	4.62	Oct. 1	4.84	30	4.15

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: 1939-54.

Feb. 1	3.29	May 3	2.62	Aug. 2	4.06	Nov. 1	4.41
Mar. 1	3.20	June 2	2.66	Sept. 1	4.40	Dec. 1	4.21
31	3.13	30	3.23	Oct. 1	4.53	30	4.04

894. H. A. Lawrence. NE¼NE¼ sec. 18, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 59 feet. Highest water level 9.56 below lsd, May 27, 1940; lowest 33.60 below lsd, Aug. 2, 1954. Records available: 1938-54.

Feb. 1	29.33	Apr. 30	29.58	Aug. 2	33.60	Nov. 2	31.04
Mar. 2	29.45	June 2	29.65	Sept. 1	30.44	Dec. 1	31.21
Apr. 1	29.52	July 1	29.78	30	30.67	30	31.05

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 17.17 below lsd, Dec. 30, 1954. Records available: 1950-54. Apr. 1, 16.12; July 1, 13.50; Sept. 3, 16.84; Dec. 30, 17.17.

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 20.96 below lsd, Dec. 30, 1954. Records available: 1950-54. Apr. 2, 19.79; July 1, 20.10; Sept. 30, 20.56; Dec. 30, 20.96.

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 17.85 below lsd, Dec. 30, 1954. Records available: 1950-54. Apr. 2, 16.41; July 1, 16.77; Sept. 30, 17.43; Dec. 30, 17.85.

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 17.84 below lsd, Dec. 30, 1954. Records available: 1950-54. Apr. 2, 16.74; July 1, 17.10; Sept. 30, 17.59; Dec. 30, 17.84.

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 dry, June 2, 1954. Records available: 1941-54.

Feb. 1	17.40	Apr. 30	18.00	Aug. 2	18.89	Nov. 2	19.30
Mar. 2	17.44	June 2	(f)	Sept. 1	18.95	Dec. 1	19.48
Apr. 2	17.98	July 1	18.14	30	19.17	30	20.81

f Dry.

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 16.20 below lsd, Dec. 30, 1954. Records available: 1941-54.

Feb. 1	13.78	Apr. 30	14.29	Aug. 2	15.29	Nov. 2	15.84
Mar. 2	13.70	June 2	13.89	Sept. 1	14.70	Dec. 1	16.16
Apr. 2	13.98	July 1	14.49	30	15.78	30	16.20

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 24.04 below lsd, Sept. 20, 1954. Records available: 1941-46, 1949-54. Apr. 2, 22.34; July 1, 22.60; Sept. 20, 24.04.

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 27.80 below lsd, Dec. 30, 1954. Records available: 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	25.12	Apr. 30	25.88	Aug. 2	26.68	Nov. 1	27.34
Mar. 2	25.38	June 2	26.15	Sept. 1	26.95	Dec. 1	27.53
Apr. 2	25.61	July 1	26.30	30	27.19	30	27.80

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 16.40 below lsd, Sept. 30, 1954. Records available: 1950-54. July 1, 15.55; Sept. 30, 16.40; Dec. 30, 16.08.

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: 1950-54. Apr. 1, 8.72; July 1, 8.61; Sept. 20, 9.05; Dec. 30, 9.25.

1194. Byron Wood. NE¼SW¼SW¼ sec. 14, T. 23 S., R. 3 W. Driven observation water-table well in sand, diameter 1¼ inches, depth 21 feet. Highest water level 2.14 below lsd, Mar.31, 1952; lowest 12.08 below lsd, Dec. 4, 1941. Records available: 1941, 1950, 1952-54.

Dec. 4, 1941	12.08	July 1, 1952	4.40	July 2, 1953	9.09	July 1, 1954	9.11
Feb. 4, 1950	10.73	Sept. 30	8.03	Oct. 2	9.90	Sept. 30	10.39
Apr. 17	11.14	Jan. 2, 1953	8.97	Dec. 31	10.26	Dec. 30	10.90
Mar. 31, 1952	2.14	Mar. 31	8.99	Apr. 1, 1954	10.42		

1196. Maggie Vollwieder. SE. cor. sec. 27, T. 24 S., R. 3 W. Driven stock water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 19 feet. Highest water level 2.17 below lsd, June 3, 1952; lowest 6.82 below lsd, Dec. 30, 1954. Records available: 1941, 1952-54.

Dec. 17, 1941	4.19	Mar. 2, 1953	5.06	Nov. 3, 1953	6.05	June 30, 1954	5.75
June 3, 1952	2.17	Apr. 1	4.94	Dec. 1	6.04	Aug. 2	6.13
July 2	3.56	May 1	5.08	29	6.07	Sept. 1	6.35
Sept. 4	4.91	June 2	4.96	Feb. 1, 1954	6.08	Oct. 1	6.59
Oct. 1	5.15	July 1	5.25	Mar. 1	5.89	Nov. 1	6.71
30	5.14	31	5.47	31	6.03	Dec. 1	6.78
Dec. 30	5.21	Sept. 1	5.79	May 3	5.27	30	6.82
Feb. 2, 1953	5.26	30	5.97	June 2	5.36		

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 38.71 below lsd, Dec. 1, 1954. Records available: 1941-54.

Feb. 1	37.81	Apr. 30	38.34	Aug. 2	38.62	Nov. 2	38.30
Mar. 2	38.22	June 2	38.40	Sept. 1	38.58	Dec. 1	38.71
Apr. 1	38.34	July 1	38.46	30	38.62	30	38.40

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 24.77 below lsd, Dec. 30, 1954. Records available: 1950-54.

Feb. 1	21.59	Apr. 30	22.20	Aug. 2	22.76	Nov. 2	23.62
Mar. 2	21.80	June 2	22.31	Sept. 1	23.06	Dec. 1	23.90
Apr. 2	21.99	July 1	22.48	30	23.36	30	24.77

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 21.36 below lsd, Sept. 30, 1954. Records available: 1944-46, 1949-54. Apr. 2, 19.89; July 1, 20.30; Sept. 30, 21.36.

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 28.23 below lsd, Dec. 1, 1954. Records available: 1951-54.

Feb. 1	26.20	Apr. 30	26.87	Aug. 2	27.15	Nov. 2	26.78
Mar. 2	26.84	June 2	26.60	Sept. 1	27.25	Dec. 1	28.23
Apr. 1	26.73	July 1	26.95	30	27.73	30	27.60

3002. City of Wichita. SW¼SW¼SE¼ sec. 30, T. 24 S., R. 2 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches, depth 20 feet. Highest water level 0.82 above lsd, July 9, 1951; lowest 11.26 below lsd, Nov. 2, 1954. Records available: 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	7.30	Apr. 30	7.56	Aug. 2	7.84	Nov. 2	11.26
Mar. 2	7.46	June 2	7.48	Sept. 1	8.04	Dec. 1	8.27
Apr. 2	7.59	July 1	7.70	30	8.21	30	8.46

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 8.68 below lsd, Dec. 30, 1954. Records available: 1950-54. Apr. 2, 8.05; July 1, 7.87; Sept. 20, 8.36; Dec. 30, 8.68.

3005. Sally McFarland and others. SE¼SW¼ sec. 28, T. 23 S., R. 2 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches. Highest water level 35.20 below lsd, Mar. 2, 1954; lowest 50.00 below lsd, Oct. 1, 1953. Records available: 1951-54.

Mar. 2	35.20	June 2	44.01	Sept. 30	46.27	Dec. 1	46.42
Apr. 1	47.67	July 1	44.84	Nov. 2	44.89	30	44.92
30	44.31	Sept. 1	44.74				

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 18.01 below lsd, Dec. 1, 1954. Records available: 1950-54.

Feb. 1	16.73	Apr. 30	17.15	Aug. 2	17.50	Nov. 2	17.85
Mar. 2	16.85	June 2	17.00	Sept. 1	17.52	Dec. 1	18.01
Apr. 1	17.00	July 1	17.19	30	17.65		

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 dry, June 2, 1954. Records available: 1950-54.

Feb. 1	21.45	Apr. 30	22.13	Aug. 2	23.30	Nov. 2	23.89
Mar. 2	21.65	June 2	(f)	Sept. 1	23.46	Dec. 1	23.91
Apr. 2	21.91	July 1	22.62	30	23.74		

f Dry.

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 23.68 below lsd, Sept. 1, Nov. 2, 1954. Records available: 1950-54.

Feb. 1	21.84	Apr. 30	22.22	Aug. 2	23.48	Nov. 2	23.68
Mar. 2	22.09	June 2	22.33	Sept. 1	23.68	Dec. 1	23.64
Apr. 1	22.19	July 1	22.74	30	23.62		

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: 1950-54. Apr. 1, 10.72; July 1, 11.18; Sept. 30, 11.55; Dec. 30, 11.77.

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 28.00 below lsd, Dec. 30, 1954. Records available: 1950-54.

Feb. 1	21.45	Apr. 30	21.82	Aug. 2	21.60	Nov. 2	27.59
Mar. 1	19.00	June 2	21.63	Sept. 1	25.13	Dec. 1	27.92
Apr. 1	21.79	July 1	21.76	30	26.56	30	28.00

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: 1950-54.

Feb. 1	45.15	Apr. 30	44.47	Aug. 3	47.30	Nov. 2	43.35
Mar. 2	45.19	June 2	44.60	Sept. 1	45.15	Dec. 1	46.90
Apr. 1	46.05	July 1	45.47	30	46.85	30	45.73

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: 1950-54. Apr. 1, 44.70; July 1, 43.80; Sept. 30, 44.76; Dec. 30, 43.48.

3039. George Lehman. SW¼SE¼ sec. 34, T. 23 S., R. 2 W. Drilled observation water-table well in McPherson formation, diameter 1¼ inches, depth 37 feet. Highest water level 0.1 above lsd, Sept. 7, 1951; lowest 17.52 below lsd, May 4, 1950. Records available: 1950-54.

3039--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	9.90	Apr. 30	10.43	Aug. 2	10.85	Nov. 2	14.70
Mar. 2	10.07	June 2	10.55	Sept. 1	11.05	Dec. 1	14.56
Apr. 1	10.25	July 1	10.69	30	14.78	30	14.69

M-1. City of Wichita. NW¼NW¼ sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 222 feet. Highest water level 18.56 below lsd, Apr. 13, 1939; lowest 107.00 below lsd, Aug. 2, Sept. 1, 1954. Records available: 1939-54.

Feb. 1	34.0	Apr. 30	104.0	Aug. 2	107.0	Nov. 1	32.5
Mar. 2	41.5	June 1	100.5	Sept. 1	107.0	Dec. 1	106.0
Apr. 1	104.0	July 1	102.0	Oct. 1	105.0	31	34.0

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: 1939-54.

Feb. 1	31.30	Apr. 30	39.71	Aug. 2	39.32	Nov. 1	29.10
Mar. 2	37.10	June 1	35.84	Sept. 1	38.84	Dec. 1	41.24
Apr. 1	39.80	July 1	39.09	Oct. 1	42.31	31	31.02

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: 1939-54.

Feb. 1	30.19	Apr. 30	37.45	Aug. 2	37.10	Nov. 1	27.92
Mar. 2	35.54	June 1	33.70	Sept. 1	36.59	Dec. 1	39.10
Apr. 1	37.52	July 1	36.88	Oct. 1	39.19	31	29.93

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: 1939-54.

Feb. 1	46.00	Apr. 30	44.0	Aug. 2	42.0	Nov. 1	38.0
Mar. 2	152.00	June 1	40.0	Sept. 1	39.5	Dec. 1	48.0
Apr. 1	46.00	July 1	41.5	Oct. 1	152.0	31	39.0

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 42.24 below lsd, Oct. 1, 1954. Records available: 1939-54.

Feb. 1	34.52	Apr. 30	39.23	Aug. 2	38.69	Nov. 1	30.52
Mar. 2	40.41	June 1	35.65	Sept. 1	37.48	Dec. 1	40.51
Apr. 1	38.98	July 1	38.83	Oct. 1	42.24	31	33.75

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 45.94 below lsd, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	41.00	Apr. 30	42.50	Aug. 2	40.72	Nov. 1	34.24
Mar. 2	44.40	June 1	39.84	Sept. 1	39.19	Dec. 1	45.94
Apr. 1	40.78	July 1	42.79	Oct. 1	43.61	31	39.45

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: 1946-54. Apr. 1, 38.18; June 1, 37.30; Aug. 2, 38.80; Oct. 1, 39.50; Dec. 31, 38.94.

M-3. City of Wichita. SE¼SE¼SW¼ sec. 29, T. 23 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 238 feet. Highest water level 23.20 below lsd, May 8, 1939; lowest 126.5 below lsd, Aug. 2, 1954. Records available: 1939-54.

Feb. 1	122.0	Apr. 30	43.0	Aug. 2	126.5	Nov. 1	37.0
Mar. 2	46.0	June 1	43.0	Sept. 1	38.0	Dec. 1	43.0
Apr. 1	122.0	July 1	42.0	Oct. 1	43.0	31	40.0

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: 1939-54.

Feb. 1	46.00	Apr. 30	41.31	Aug. 2	44.91	Nov. 1	36.15
Mar. 2	43.12	June 1	40.74	Sept. 1	38.39	Dec. 1	45.28
Apr. 1	44.66	July 1	42.23	Oct. 1	43.63	31	40.98

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: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	49.73	Apr. 30	44.80	Aug. 2	48.17	Nov. 1	39.59
Mar. 2	46.23	June 1	44.21	Sept. 1	32.68	Dec. 1	48.87
Apr. 1	47.94	July 1	46.28	Oct. 1	47.45	31	43.85

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: 1939-54.

Feb. 1	93.0	Apr. 30	92.0	Aug. 2	43.0	Nov. 1	38.5
Mar. 2	96.0	June 1	89.0	Sept. 1	40.0	Dec. 1	97.0
Apr. 1	45.5	July 1	91.0	Oct. 1	47.0	31	95.0

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: 1939-54.

Feb. 1	47.41	Apr. 30	44.98	Aug. 2	43.99	Nov. 1	37.97
Mar. 2	49.76	June 1	44.83	Sept. 1	40.97	Dec. 1	44.00
Apr. 1	43.75	July 1	47.94	Oct. 1	46.88	31	45.20

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 51.08 below lsd, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	47.31	Apr. 30	48.08	Aug. 2	44.44	Nov. 1	38.83
Mar. 2	49.51	June 1	44.95	Sept. 1	41.72	Dec. 1	51.08
Apr. 1	44.06	July 1	47.72	Oct. 1	47.14	31	46.00

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 143.0 below lsd, Mar. 2, 1954. Records available: 1939-54.

Feb. 1	47.0	Apr. 30	40.0	Aug. 2	39.0	Nov. 1	39.0
Mar. 2	143.0	June 1	40.0	Sept. 1	38.0	Dec. 1	141.0
Apr. 1	40.0	July 1	139.0	Oct. 1	142.0	30	41.0

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: 1939-54.

Feb. 1	35.50	Apr. 30	36.46	Aug. 2	37.59	Nov. 1	36.28
Mar. 2	37.27	June 1	36.55	Sept. 1	37.65	Dec. 1	39.24
Apr. 1	36.92	July 1	36.60	Oct. 1	38.58	30	38.30

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: 1939-54.

Feb. 1	35.37	Apr. 30	37.05	Aug. 2	37.46	Nov. 1	36.27
Mar. 2	37.06	June 1	36.41	Sept. 1	37.54	Dec. 1	38.94
Apr. 1	36.85	July 1	36.40	Oct. 1	38.38	31	38.19

M-6. City of Wichita. SW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled observation public-supply water-table well in sand and gravel, diameter 18 inches, depth 257 feet. Highest water level 10.10 below lsd, Apr. 2, 1951; lowest 114.0 below lsd, Jan. 31, 1952. Records available: 1939-54.

Feb. 1	39.0	Apr. 30	108.0	Aug. 2	110.0	Nov. 1	40.0
Mar. 2	107.0	June 1	107.0	Sept. 1	113.0	Dec. 1	110.0
Apr. 1	107.0	July 1	39.5	Oct. 1	110.0	31	113.0

M-6a. City of Wichita. SW¼SW¼ sec. 32, T. 23 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 18.63 below lsd, June 3, 1940; lowest 41.09 below lsd, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	37.31	Apr. 30	39.35	Aug. 2	39.77	Nov. 1	38.76
Mar. 2	38.98	June 1	38.54	Sept. 1	40.01	Dec. 1	41.09
Apr. 1	39.13	July 1	38.31	Oct. 1	40.60	31	40.99

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: 1939-54.

Feb. 1	36.92	Apr. 30	38.82	Aug. 2	39.24	Nov. 1	38.24
Mar. 2	38.55	June 1	38.10	Sept. 1	40.05	Dec. 1	40.59
Apr. 1	38.64	July 1	37.88	Oct. 1	40.10	31	40.55

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 58.0 below lsd, Aug. 2, Sept. 1, Oct. 1, 1954. Records available: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	52.0	Apr. 30	55.0	Aug. 2	58.0	Nov. 1	57.5
Mar. 2	34.0	June 1	53.0	Sept. 1	58.0	Dec. 1	34.0
Apr. 1	53.5	July 1	54.0	Oct. 1	58.0	31	33.94

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 39.15 below lsd, Oct. 1, 1954. Records available: 1939-54.

Feb. 1	33.63	Apr. 30	37.70	Aug. 2	36.63	Nov. 2	31.00
Mar. 2	32.64	June 1	35.79	Sept. 1	38.95	Dec. 1	33.04
Apr. 1	36.53	July 1	37.41	Oct. 1	39.15	31	33.04

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 37.29 below lsd, Oct. 1, 1954. Records available: 1939-54.

Feb. 1	33.80	Apr. 30	35.66	Aug. 2	35.59	Nov. 2	37.13
Mar. 2	32.86	June 1	34.09	Sept. 1	36.80	Dec. 1	34.83
Apr. 1	34.40	July 1	34.09	Oct. 1	37.29	31	33.65

M-8. City of Wichita. SE¼NE¼ sec. 6, T. 24 S., R. 2 W. Drilled observation public-supply water-table well in sand and gravel, diameter 18 inches, depth 257 feet. Highest water level 15.93 below lsd, May 27, 1940; lowest 117.5 below lsd, Dec. 31, 1954. Records available: 1939-54.

Feb. 1	109.0	Apr. 30	109.5	Aug. 2	112.5	Nov. 1	38.5
Mar. 2	37.0	June 1	109.0	Sept. 1	115.0	Dec. 1	113.0
Apr. 1	108.5	July 1	108.5	Oct. 1	113.0	31	117.5

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: 1939-54.

Feb. 1	35.34	Apr. 30	35.76	Aug. 2	35.80	Nov. 1	36.73
Mar. 2	34.97	June 1	35.56	Sept. 1	37.00	Dec. 1	37.42
Apr. 1	35.53	July 1	35.82	Oct. 1	37.36	31	36.87

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 36.10 below lsd, Dec. 31, 1954. Records available: 1939-54.

Feb. 1	33.71	Apr. 30	34.38	Aug. 2	35.02	Nov. 1	35.15
Mar. 2	33.45	June 1	34.00	Sept. 1	35.53	Dec. 1	34.93
Apr. 1	34.21	July 1	34.33	Oct. 1	35.88	31	36.10

M-9. City of Wichita. NW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 248 feet. Highest water level 10.82 below lsd, May 27, 1940; lowest 80.0 below lsd, Sept. 1, Nov. 2, 1954. Records available: 1939-54.

Feb. 1	34.5	Apr. 30	34.0	Aug. 2	36.0	Nov. 2	80.0
Mar. 2	76.0	June 1	34.0	Sept. 1	80.0	Dec. 1	36.0
Apr. 1	34.5	July 1	76.0	Oct. 1	78.0	31	36.0

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 36.51 below lsd, Nov. 1, 1954. Records available: 1939-54.

Feb. 1	33.27	Apr. 30	33.26	Aug. 2	35.05	Nov. 1	36.51
Mar. 2	33.72	June 1	33.25	Sept. 1	35.88	Dec. 1	35.10
Apr. 1	33.07	July 1	34.51	Oct. 1	36.30	31	35.10

M-9b. City of Wichita. NW¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 9.12 below lsd, May 27, 1940; lowest 35.07 below lsd, Nov. 1, 1954. Records available: 1939-54.

Feb. 1	32.06	Apr. 30	32.16	Aug. 2	33.90	Nov. 1	35.07
Mar. 2	32.15	June 1	32.11	Sept. 1	34.30	Dec. 1	34.98
Apr. 1	32.00	July 1	33.02	Oct. 1	34.80	31	33.88

M-10. City of Wichita. NE¼NW¼ sec. 8, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 259 feet. Highest water level 12.05 below lsd, May 27, 1940; lowest 99.0 below lsd, Aug. 2, 1954. Records available: 1939-54.

M-10--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	38.0	Apr. 30	37.0	Aug. 2	99.0	Nov. 1	39.0
Mar. 2	37.0	June 1	97.0	Sept. 1	39.0	Dec. 1	38.5
Apr. 1	37.0	July 1	97.0	Oct. 1	39.0	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: 1939-54.

Feb. 1	36.34	Apr. 30	35.70	Aug. 2	41.37	Nov. 1	38.33
Mar. 2	35.82	June 1	37.47	Sept. 1	37.90	Dec. 1	37.48
Apr. 1	35.48	July 1	39.70	Oct. 1	38.20	31	37.38

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 36.80 below lsd, Nov. 1, 1954. Records available: 1939-54.

Feb. 1	34.90	Apr. 30	34.35	Aug. 2	36.70	Nov. 1	36.80
Mar. 2	34.67	June 1	34.54	Sept. 1	35.43	Dec. 1	36.10
Apr. 1	33.73	July 1	36.05	Oct. 1	36.68	31	36.04

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: 1939-54.

Feb. 1	62.0	Apr. 30	61.0	Aug. 2	63.0	Nov. 1	63.0
Mar. 2	32.0	June 1	60.5	Sept. 1	32.0	Dec. 1	62.0
Apr. 1	61.0	July 1	61.0	Oct. 1	62.0	31	62.0

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 34.91 below lsd, Dec. 31, 1954. Records available: 1939-54.

Feb. 1	31.73	Apr. 30	31.88	Aug. 2	33.60	Nov. 1	34.65
Mar. 2	29.86	June 1	31.49	Sept. 1	31.77	Dec. 1	34.82
Apr. 1	31.67	July 1	32.28	Oct. 1	34.27	31	34.91

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 34.58 below lsd, Nov. 1, 1954. Records available: 1939-54.

Feb. 1	31.77	Apr. 30	31.88	Aug. 2	33.50	Nov. 1	34.58
Mar. 2	31.00	June 1	31.58	Sept. 1	32.97	Dec. 1	33.84
Apr. 1	31.68	July 1	32.35	Oct. 1	34.24	31	33.84

M-12. City of Wichita. NW¼SW¼ sec. 9, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 236 feet. Highest water level 11.41 below lsd, Aug. 21, 1939; lowest 96.0 below lsd, Aug. 2, Nov. 1, 1954. Records available: 1939-54.

Feb. 1	89.0	Apr. 30	91.0	Aug. 2	96.0	Nov. 1	96.0
Mar. 2	91.0	June 1	89.0	Sept. 1	95.0	Dec. 1	39.0
Apr. 1	90.5	July 1	93.0	Oct. 1	93.0	31	39.0

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 44.59 below lsd, Sept. 1, 1954. Records available: 1939-54.

Feb. 1	39.91	Apr. 30	40.88	Aug. 2	44.50	Nov. 1	44.58
Mar. 2	40.82	June 1	37.74	Sept. 1	44.59	Dec. 1	37.66
Apr. 1	41.54	July 1	42.60	Oct. 1	43.61	31	37.78

M-12b. City of Wichita. NW¼SW¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 69 feet. Highest water level 11.70 below lsd, Aug. 21, 1939, Nov. 27, 1940; lowest 45.38 below lsd, Sept. 1, Nov. 1, 1954. Records available: 1939-54.

Feb. 1	40.55	Apr. 30	41.65	Aug. 2	45.20	Nov. 1	45.38
Mar. 2	41.33	June 1	38.67	Sept. 1	45.38	Dec. 1	38.99
Apr. 1	42.27	July 1	43.40	Oct. 1	44.50	31	39.01

M-13. City of Wichita. NW¼NE¼ sec. 17, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 245 feet, cased to 188. Highest water level 8.27 below lsd, Aug. 21, 1939; lowest 73.0 below lsd, Sept. 1, 1954. Records available: 1939-54.

Feb. 1	67.0	Apr. 30	33.0	Aug. 2	72.0	Nov. 1	71.0
Mar. 2	33.0	June 1	32.0	Sept. 1	73.0	Dec. 1	69.0
Apr. 1	32.0	July 1	68.0	Oct. 1	71.0	31	35.0

M-13a. City of Wichita. NW¼NE¼ sec. 17, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 7.89 below lsd, May 27, 1940; lowest 35.38 below lsd, Nov. 1, 1954. Records available: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	32.53	Apr. 30	31.84	Aug. 2	34.35	Nov. 1	35.38
Mar. 2	31.35	June 1	32.06	Sept. 1	34.87	Dec. 1	34.78
Apr. 1	31.22	July 1	33.32	Oct. 1	35.24	31	35.05

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 35.80 below lsd, Nov. 1, 1954. Records available: 1939-54.

Feb. 1	32.62	Apr. 30	32.79	Aug. 2	33.75	Nov. 1	35.80
Mar. 2	32.09	June 1	33.05	Sept. 1	35.37	Dec. 1	34.32
Apr. 1	32.07	July 1	33.66	Oct. 1	35.75	31	35.04

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: 1939-54.

Feb. 1	34.0	Apr. 30	51.0	Aug. 2	56.0	Nov. 1	39.0
Mar. 2	33.75	June 1	50.5	Sept. 1	56.0	Dec. 1	54.0
Apr. 1	56.5	July 1	53.0	Oct. 1	56.0	31	53.0

M-14a. City of Wichita. NW¼NW¼ sec. 16, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 50 feet, cased to 47. Highest water level 8.31 below lsd, Apr. 4, 1939; lowest 44.42 below lsd, Oct. 1, 1954. Records available: 1939-54.

Feb. 1	33.24	Apr. 30	40.63	Aug. 2	43.52	Nov. 1	38.61
Mar. 2	33.03	June 1	40.07	Sept. 1	43.73	Dec. 1	42.52
Apr. 1	41.41	July 1	41.85	Oct. 1	44.42	31	43.37

M-14b. City of Wichita. SW¼SW¼ sec. 9, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 57 feet. Highest water level 8.16 below lsd, May 13, 27, June 3, 1940; lowest 41.33 below lsd, Oct. 1, 1954. Records available: 1939-54.

Feb. 1	33.39	Apr. 30	37.48	Aug. 2	40.38	Nov. 1	38.52
Mar. 2	33.03	June 1	37.69	Sept. 1	40.67	Dec. 1	40.46
Apr. 1	37.92	July 1	38.78	Oct. 1	41.33	31	40.32

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 102.0 below lsd, Aug. 2, Sept. 1, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	90.0	Apr. 30	36.5	Aug. 2	102.0	Nov. 1	39.0
Mar. 2	90.0	June 1	95.0	Sept. 1	102.0	Dec. 1	102.0
Apr. 1	37.0	July 1	98.0	Oct. 1	38.0	31	39.5

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 41.39 below lsd, Sept. 1, 1954. Records available: 1939-54.

Feb. 1	37.60	Apr. 30	35.25	Aug. 2	41.30	Nov. 1	37.21
Mar. 2	38.22	June 1	37.20	Sept. 1	41.39	Dec. 1	37.04
Apr. 1	35.68	July 1	38.48	Oct. 1	37.14	31	36.93

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 41.35 below lsd, Sept. 1, 1954. Records available: 1939-54.

Feb. 1	37.59	Apr. 30	35.95	Aug. 2	41.29	Nov. 1	37.96
Mar. 2	38.20	June 1	37.15	Sept. 1	41.35	Dec. 1	38.05
Apr. 1	36.40	July 1	38.44	Oct. 1	37.87	31	37.67

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 76.0 below lsd, Aug. 2, 1954. Records available: 1939-54.

Feb. 1	34.0	Apr. 30	74.0	Aug. 2	76.0	Nov. 1	74.5
Mar. 2	35.0	June 1	34.0	Sept. 1	73.0	Dec. 1	35.0
Apr. 1	75.0	July 1	34.5	Oct. 1	75.0	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 42.07 below lsd, Sept. 1, 1954. Records available: 1939-54.

Feb. 1	33.02	Apr. 30	38.28	Aug. 2	39.98	Nov. 1	39.78
Mar. 2	33.69	June 1	33.08	Sept. 1	42.07	Dec. 1	34.17
Apr. 1	38.26	July 1	34.25	Oct. 1	39.60	31	38.69

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 34.11 below lsd, Nov. 1, 1954. Records available: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	31.68	Apr. 30	32.71	Aug. 2	33.58	Nov. 1	34.11
Mar. 2	32.12	June 1	32.09	Sept. 1	33.73	Dec. 1	33.46
Apr. 1	32.52	July 1	32.60	Oct. 1	33.78	31	34.05

M-17. City of Wichita. NE¼SE¼ sec. 16, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 186 feet. Highest water level 6.58 below lsd, Aug. 21, 1939; lowest 68.0 below lsd, Oct. 1, 1954. Records available: 1939-54.

Feb. 1	65.0	Apr. 30	66.0	Aug. 2	28.0	Nov. 2	66.0
Mar. 2	66.0	June 1	65.0	Sept. 1	28.0	Dec. 1	28.0
Apr. 1	66.0	July 1	67.0	Oct. 1	68.0	31	29.0

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 28.55 below lsd, Nov. 2, 1954. Records available: 1939-54.

Feb. 1	25.70	Apr. 30	26.51	Aug. 2	26.75	Nov. 2	28.55
Mar. 2	26.20	June 1	26.27	Sept. 1	27.05	Dec. 1	27.85
Apr. 1	25.88	July 1	26.71	Oct. 1	28.08	31	27.63

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 28.83 below lsd, Nov. 2, 1954. Records available: 1939-54.

Feb. 1	24.11	Apr. 30	25.05	Aug. 2	25.37	Nov. 2	28.83
Mar. 2	24.73	June 1	24.75	Sept. 1	25.10	Dec. 1	28.20
Apr. 1	24.56	July 1	25.22	Oct. 1	26.55	31	28.04

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: 1939-54.

Feb. 1	65.0	Apr. 30	28.0	Aug. 2	62.0	Nov. 2	64.0
Mar. 2	64.0	June 1	61.0	Sept. 1	64.0	Dec. 1	64.0
Apr. 1	28.0	July 1	62.0	Oct. 1	63.0	31	63.0

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 41.46 below lsd, Oct. 1, 1954. Records available: 1939-54.

Feb. 1	39.02	Apr. 30	27.84	Aug. 2	40.84	Nov. 2	41.40
Mar. 2	39.52	June 1	40.01	Sept. 1	41.40	Dec. 1	40.47
Apr. 1	27.01	July 1	40.91	Oct. 1	41.46	31	41.30

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 35.15 below lsd, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	31.99	July 1	34.18	Oct. 1	34.93	Dec. 1	35.15
Mar. 2	32.33	Aug. 2	34.18	Nov. 2	34.92	31	35.14
Apr. 1	26.48	Sept. 1	34.60				

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: 1939-54.

Feb. 1	43.0	Apr. 30	43.0	Aug. 2	42.5	Nov. 2	30.0
Mar. 2	43.0	June 1	42.0	Sept. 1	43.0	Dec. 1	43.0
Apr. 1	27.0	July 1	43.0	Oct. 1	43.0	31	30.0

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 32.91 below lsd, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	30.67	Apr. 30	31.20	Aug. 2	31.91	Nov. 2	31.34
Mar. 2	31.07	June 1	31.17	Sept. 1	32.46	Dec. 1	32.91
Apr. 1	29.06	July 1	31.93	Oct. 1	32.70	31	31.66

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 30.59 below lsd, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	28.25	Apr. 30	28.55	Aug. 2	30.18	Nov. 2	30.16
Mar. 2	28.47	June 1	28.55	Sept. 1	29.77	Dec. 1	30.59
Apr. 1	28.30	July 1	29.19	Oct. 1	30.21	31	30.57

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 91.0 below lsd, Aug. 2, Sept. 1, Nov. 2, 1954. Records available: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	85.0	Apr. 30	37.0	Aug. 2	91.0	Nov. 2	91.0
Mar. 2	88.0	June 1	36.0	Sept. 1	91.0	Dec. 1	87.0
Apr. 1	87.5	July 1	89.5	Oct. 1	88.5	31	88.0

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 39.23 below lsd, Oct. 1, 1954. Records available: 1939-54.

Feb. 1	35.12	Apr. 30	35.43	Aug. 2	35.75	Nov. 2	38.48
Mar. 2	35.17	June 1	35.26	Sept. 1	38.09	Dec. 1	37.63
Apr. 1	35.32	July 1	36.42	Oct. 1	39.23	31	37.59

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 38.88 below lsd, Nov. 2, 1954. Records available: 1939-54.

Feb. 1	35.51	Apr. 30	35.95	Aug. 2	37.98	Nov. 2	38.88
Mar. 2	35.58	June 1	35.94	Sept. 1	38.49	Dec. 1	38.23
Apr. 1	35.78	July 1	36.78	Oct. 1	38.23	31	38.13

M-21. City of Wichita. SW¼SW¼ sec. 26, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 80 feet. Highest water level 8.32 below lsd, Aug. 21, 1939; lowest 54.0 below lsd, Sept. 1, Oct. 1, 1954. Records available: 1939-54.

Feb. 1	49.0	Apr. 30	51.0	Aug. 2	53.0	Nov. 2	30.0
Mar. 2	26.02	June 1	51.0	Sept. 1	54.0	Dec. 1	50.0
Apr. 1	50.0	July 1	53.0	Oct. 1	54.0	31	29.0

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: 1939-54.

Feb. 1	28.02	Apr. 30	29.75	Aug. 2	30.27	Nov. 2	29.42
Mar. 2	27.22	June 1	29.03	Sept. 1	30.38	Dec. 1	29.77
Apr. 1	28.85	July 1	29.55	Oct. 1	30.32	31	28.02

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 30.62 below lsd, Nov. 2, 1954. Records available: 1939-54.

Feb. 1	26.09	Apr. 30	27.77	Aug. 2	28.42	Nov. 2	30.62
Mar. 2	26.71	June 1	27.53	Sept. 1	28.59	Dec. 1	28.10
Apr. 1	26.87	July 1	27.89	Oct. 1	28.62	31	27.60

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: 1939-54.

Feb. 1	30.0	Apr. 30	53.0	Aug. 2	55.0	Nov. 2	33.5
Mar. 2	52.0	June 1	53.0	Sept. 1	54.5	Dec. 1	51.0
Apr. 1	31.5	July 1	54.0	Oct. 1	33.0	31	34.0

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 31.52 below lsd, Sept. 1, 1954. Records available: 1939-54.

Feb. 1	26.57	Apr. 30	30.90	Aug. 2	29.46	Nov. 2	28.38
Mar. 2	30.45	June 1	30.90	Sept. 1	31.52	Dec. 1	31.47
Apr. 1	26.90	July 1	31.06	Oct. 1	28.30	31	28.53

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 30.21 below lsd, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	27.54	Apr. 30	29.09	Aug. 2	29.74	Nov. 2	29.30
Mar. 2	28.59	June 1	29.14	Sept. 1	29.97	Dec. 1	30.21
Apr. 1	27.84	July 1	29.15	Oct. 1	29.14	31	29.42

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: 1939-54.

Feb. 1	74.0	Apr. 30	29.0	Aug. 2	76.0	Nov. 2	76.0
Mar. 2	72.5	June 1	71.0	Sept. 1	76.0	Dec. 1	75.0
Apr. 1	73.0	July 1	77.0	Oct. 1	77.0	31	71.0

M-23a. City of Wichita. SE¼NE¼ sec. 35, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 51 feet. Highest water level 8.27 below lsd, Aug. 21, 1939; lowest 30.72 below lsd, Sept. 1, 1954. Records available: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	25.95	Apr. 30	26.10	Aug. 2	27.30	Nov. 2	28.14
Mar. 2	26.02	June 1	26.31	Sept. 1	30.72	Dec. 1	27.98
Apr. 1	26.21	July 1	26.82	Oct. 1	27.90	31	28.15

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 28.51 below lsd, Dec. 31, 1954. Records available: 1939-54.

Feb. 1	24.84	Apr. 30	25.18	Aug. 2	26.20	Dec. 1	28.40
Mar. 2	24.90	June 1	25.35	Oct. 1	27.96	31	28.51
Apr. 1	25.09	July 1	25.71	Nov. 2	28.17		

M-24. City of Wichita. SE¼SE¼ sec. 35, T. 24 S., R. 2 W. Drilled public-supply water-table well in sand and gravel, diameter 18 inches, depth 97 feet. Highest water level 8.71 below lsd, Aug. 21, 1939; lowest 59.0 below lsd, Sept. 1, 1954. Records available: 1939-54.

Feb. 1	27.0	Apr. 30	27.0	Aug. 2	58.0	Nov. 2	31.0
Mar. 2	53.5	June 1	55.0	Sept. 1	59.0	Dec. 1	30.0
Apr. 1	54.5	July 1	58.0	Oct. 1	58.5	31	55.0

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 31.65 below lsd, Dec. 31, 1954. Records available: 1939-54.

Feb. 1	26.88	Apr. 30	26.98	Aug. 2	31.05	Nov. 2	29.52
Mar. 2	28.80	June 1	29.83	Sept. 1	31.60	Dec. 1	29.45
Apr. 1	29.56	July 1	30.17	Oct. 1	31.62	31	31.65

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 33.19 below lsd, Dec. 31, 1954. Records available: 1939-54.

Feb. 1	29.02	Apr. 30	29.12	Aug. 2	31.37	Nov. 2	31.58
Mar. 2	29.24	June 1	30.30	Sept. 1	31.93	Dec. 1	30.89
Apr. 1	29.86	July 1	30.44	Oct. 1	31.99	31	33.19

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: 1939-54.

Feb. 1	56.0	Apr. 30	54.0	Aug. 2	58.0	Nov. 2	56.0
Mar. 2	24.0	June 1	23.0	Sept. 1	58.0	Dec. 1	55.0
Apr. 1	55.5	July 1	23.0	Oct. 1	56.0	31	53.0

M-25a. City of Wichita. SW¼SE¼ sec. 36, T. 24 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 50 feet, cased to 47. Highest water level 5.31 below lsd, Aug. 21, 1939; lowest 27.02 below lsd, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	22.66	Apr. 30	24.12	Aug. 2	24.75	Nov. 2	25.87
Mar. 2	22.83	June 1	23.14	Sept. 1	25.35	Dec. 1	27.02
Apr. 1	23.88	July 1	23.52	Oct. 1	25.73	31	26.33

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 88.0 below lsd, Nov. 2, Dec. 1, 1954. Records available: 1949-54.

Feb. 1	80.0	Apr. 30	81.0	Aug. 2	81.0	Nov. 2	88.0
Mar. 2	82.0	June 1	78.0	Sept. 1	82.0	Dec. 1	88.0
Apr. 1	80.5	July 1	82.0	Oct. 1	29.5	31	21.5

M-26a. City of Wichita. SW¼NW¼ sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in Meade formation, diameter 1¼ inches, depth 81 feet. Highest water level 15.99 below lsd, Nov. 30, 1949; lowest 30.28 below lsd, Dec. 1, 1954. Records available: 1949-54.

Feb. 1	26.31	Apr. 30	27.58	Aug. 2	28.20	Nov. 2	28.86
Mar. 2	26.90	June 1	26.76	Sept. 1	28.51	Dec. 1	30.28
Apr. 1	26.97	July 1	27.79	Oct. 1	27.09	31	28.70

M-26b. City of Wichita. SW¼NW¼ sec. 22, T. 24 S., R. 2 W. Drilled observation water-table well in Meade formation, diameter 1¼ inches, depth 79 feet. Highest water level 11.62 below lsd, July 7, 1948; lowest 28.33 below lsd, Dec. 31, 1954. Records available: 1947-54.

Feb. 1	24.07	Apr. 30	25.29	Aug. 2	25.90	Nov. 2	26.62
Mar. 2	24.61	June 1	24.55	Sept. 1	26.25	Dec. 1	27.02
Apr. 1	24.59	July 1	25.49	Oct. 1	25.62	31	28.33

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. Measurement discontinued.

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: 1941-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	47.52	Apr. 13	47.79	June 21	47.72	Sept. 20	47.34
Feb. 10	47.55	May 31	47.63	July 15	47.85	Dec. 20	47.81
Mar. 17	47.61						

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, 1941. Records available: 1941-52. Measurement discontinued.

29-32-26cb. D. E. McClure. Drilled unused water-table well, diameter 5 inches, depth 205 feet. Highest water level 190.01 below lsd, Aug. 10, 1953; lowest 195.10 below lsd, May 31, 1954. Records available: 1941, 1952-54.

Sept. 2, 1941	190.62	May 25, 1953	190.14	Feb. 10, 1954	192.04	Aug. 11,1954	190.25
Sept. 9, 1952	190.15	Aug. 10	190.01	May 31	195.10	Nov. 15	190.64
Feb. 25, 1953	190.65	Nov. 18	191.59				

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: 1940-54. Jan. 20, 31.95.

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: 1940-54. Jan. 20, 23.29; Apr. 21, 23.54; Oct. 13, 25.76.

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 1954.

7-15-3ca. Fred Shafer. Drilled unused water-table well in alluvium, diameter 6 inches, depth 17 feet. Highest water level 5.85 below lsd, July 3, 1948; lowest 7.22 below lsd, Oct. 14, 1948. Records available: 1948-52. No measurement made in 1954.

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 1954.

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 1954.

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 1954.

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. No measurement made in 1954.

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: 1934-54. Apr. 8, 64.50; July 26, 61.48.

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, 1946-54. Apr. 8, 22.24. Measurement discontinued.

22. Meyer Miles. NW¼NE¼ sec. 10, T. 5 S., R. 9 W. Drilled unused water-table well in alluvium, diameter 20 inches, depth 48 feet, tile casing. Highest water level 7.79 below lsd, July 24, 1951; lowest 25.68 below lsd, Aug. 10, 1934. Records available: 1934-54. Apr. 8, 12.90; July 26, 13.20.

34. Glen Kindler. SE¼SE¼ sec. 18, T. 3 S., R. 10 W. Dug unused water-table well in alluvium and colluvium, diameter 4 feet, depth 36 feet, cribbed with rock. Highest water level 5.14 below lsd, July 24, 1951; lowest 33.92 below lsd, Aug. 19, 1940. Records available: 1939-44, 1946-54. Apr. 8, 15.78; July 26, 9.97.

41. Walter Dietz. Lot 16, sec. 6, T. 5 S., R. 9 W. Drilled water-table well in alluvium and colluvium, diameter 8 inches, depth 31 feet, tile casing. Highest water level 8.40 below lsd, July 23, 1951; lowest 27.38 below lsd, May 23, 1941. Records available: 1934-44, 1946-54. Apr. 8, 14.83.

44. Cleo Gimple. SE¼SW¼ sec. 13, T. 4 S., R. 9 W. Drilled stock water-table well in alluvium, diameter 6 inches, depth 37 feet, tile casing. Highest water level 5.00 below lsd, Aug. 2, 1944; lowest 24.03 below lsd, May 9, 1935. Records available: 1934-44, 1946-54. Apr. 8, 11.48.

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: 1934-54. Apr. 8, 19.81; July 26, 20.65.

47. Meyer Miles. SE¼SW¼ sec. 3, T. 5 S., R. 9 W. Drilled unused water-table well in deposits of Pleistocene age, diameter 7 inches, depth 17 feet. Highest water level 0.67 below lsd, July 24, 1951; lowest 13.84 below lsd, May 9, 1935. Records available: 1934-44, 1946-54. Apr. 8, 8.30; July 26, 8.88.

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, 1946-54. Apr. 8, 57.43.

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: 1939-54. Apr. 8, 11.53; July 26, 12.20.

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, 1946-54. Apr. 8, 12.40; July 26, 12.70.

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. Measurement discontinued.

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. Measurement discontinued.

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. Measurement discontinued.

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. Measurement discontinued.

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 1954.

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 1954.

Kearny County

13a. Kearny County. SW¼SW¼ sec. 15, T. 25 S., R. 37 W. Driven and drilled observation well, depth 14 feet. Highest water level 7.39 below lsd, May 28, 1954; lowest 8.56 below lsd, Dec. 24, 1954. Records available: 1953-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	7.62	Apr. 23	7.40	July 23	8.30	Oct. 22	8.30
Feb. 2	7.71	May 28	7.39	Aug. 20	7.63	Nov. 26	8.49
Mar. 22	7.48	June 25	7.79	Sept. 24	7.99	Dec. 24	8.56

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: 1939-54. Feb. 2, 38.23; May 12, 40.21; Aug. 16, 44.38; Nov. 8, 44.27.

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: 1939-54. Feb. 2, 129.00. Measurement discontinued.

23. James Coghill. SW¼NW¼NW¼ sec. 18, T. 26 S., R. 37 W. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 205 feet. Highest water level 171.60 below lsd, Feb. 20, 1948; lowest 184.33 below lsd, Feb. 21, 1947. Records available: 1939-44, 1946-54. Feb. 2, 174.92; May 12, 175.30.

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: 1939-54. Feb. 2, 114.92; May 12, 115.94; Aug. 16, 115.69.

Kingman County

4. N. Lawson. NW¼NW¼ sec. 9, T. 27 S., R. 9 W. Drilled observation water-table well in Meade formation, diameter 2 inches, depth 76 feet. Highest water level 55.58 below lsd, Sept. 1, 1953; lowest 65.13 below lsd, Feb. 6, 1947. Records available: 1945-54. Mar. 8, 55.95; June 1, 55.98; Sept. 16, 56.20; Dec. 16, 56.46.

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: 1940-54. Mar. 9, 64.25; June 17, 64.64; Sept. 16, 64.87; Dec. 16, 65.13.

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: 1940-54. Mar. 9, 15.49; June 17, 15.85; Sept. 16, 16.19; Dec. 16, 16.59.

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, 1944-54. Mar. 9, 28.99; June 17, 29.17; Sept. 16, 29.79.

Labette County

1. J. Ballah. NW¼NE¼ sec. 33, T. 31 S., R. 21 E. Driven stock water-table well in alluvium, diameter 1¼ inches, depth 20 feet. Highest water level 1.20 below lsd, Oct. 1, 1945; lowest dry, Jan. 1, 1954. Records available: 1942-52, 1954. Jan. 1, dry; June 16, 13.90.

2. C. Givens. NW¼NW¼ sec. 27, T. 31 S., R. 21 E. Driven unused water-table well in valley alluvium, diameter 1¼ inches, depth 18 feet. Highest water level 0.28 above lsd, Aug. 1, 1948; lowest 13.77 below lsd, Jan. 16, 1954. Records available: 1942-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	13.66	Feb. 17	13.68	Apr. 1	13.71	May 16	8.14
16	13.77	Mar. 1	13.67	16	13.73	June 1	7.82
Feb. 1	13.66	17	13.72	May 1	13.65	16	6.50

3. B. H. Foster. SE¼SE¼ sec. 34, T. 31 S., R. 21 E. Driven unused water-table well in valley alluvium, diameter 1¼ 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. Measurement discontinued.

4. Roy Schierenberg. SE¼SW¼ sec. 3, T. 32 S., R. 21 E. Driven unused water-table well in valley alluvium, diameter 1¼ 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: 1942-54. Jan. 1, 14.57; Jan. 16, 12.59. Measurement discontinued.

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: 1950-54. Feb. 3, 84.54; Apr. 28, 84.44; June 30, 84.40; Aug. 19, 84.44; Oct. 20, 84.37; Dec. 29, 84.36.

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: 1950-54. Feb. 3, 86.46; Apr. 28, 86.45; June 30, 86.60; Aug. 19, 86.52; Oct. 20, 87.46.

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: 1950-54. Feb. 3, 54.63; Apr. 28, 54.75; June 30, 54.97; Aug. 19, 54.95; Oct. 20, 54.93; Dec. 29, 55.01.

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. Measurement discontinued.

19-30-3daa. John Kees. Dug unused water-table well in Ogallala formation, diameter 4 feet, depth 73 feet. Highest water level 66.13 below lsd, Dec. 29, 1954; lowest 69.52 below lsd, June 26, 1950. Records available: 1950-54. Feb. 3, 66.61; Apr. 28, 66.32; June 30, 66.30; Aug. 19, 66.64; Oct. 20, 66.27; Dec. 29, 66.13.

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 1954.

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 1954.

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. 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: 1947-54. Apr. 16, 22.15.

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: 1947-54. Apr. 16, 11.78.

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: 1947-54. Apr. 16, 11.60.

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: 1947-54. Apr. 16, 48.74.

12-8-6aa. Darrell Dean. Drilled domestic and observation water-table well in alluvium, diameter 6 inches, depth 19 feet. Highest water level 5.09 below lsd, May 11, 1951; lowest 10.53 below lsd, Sept. 8, 1947. Records available: 1947-54. Apr. 16, 8.75.

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 15.12 below lsd, Apr. 16, 1954. Records available: 1947-54. Apr. 16, 15.12.

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: 1947-54. Apr. 16, 19.86.

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. Measurement discontinued.

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: 1947-54. Apr. 16, 15.10.

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: 1947-54. Apr. 16, 23.45.

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: 1947-54. Apr. 16, 25.99.

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 1954.

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 1954.

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 1954.

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: 1942-54. Apr. 28, 96.71; July 20, 96.93; July 28, 96.71; Oct. 25, 97.01.

11-34-16cc. A. T. and Helen Peterson. SW¼SW¼ sec. 16, T. 11 S., R. 34 W. Drilled unused observation well in Ogallala formation, diameter 5 inches, depth 14 feet. Highest water level 126.15 below lsd, July 1, 1954; lowest 126.63 below lsd, Jan. 6, 1953. Records available: 1952-54. Feb. 9, 126.19; Mar. 4, 126.16; July 1, 126.15; July 28, 126.20; Aug. 10, 126.24; Nov. 23, 126.45.

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 44.60 below lsd, Aug. 10, 1954. Records available: 1952-54. Feb. 9, 43.89; Mar. 4, 43.95; July 9, 43.95; July 28, 43.99; Aug. 10, 44.60; Nov. 23, 44.34.

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. No measurement made in 1954.

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: 1946-54. Apr. 19, 27.89.

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: 1946-54. Apr. 19, 30.98.

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. No measurement made in 1954.

Meade County

41. D. L. Shranner. NW¼NW¼ sec. 20, T. 30 S., R. 30 W. Drilled observation water-table well, diameter 6 inches, depth 180 feet. Highest water level 155.75 below lsd, Dec. 13, 1954; lowest 158.30 below lsd, Nov. 9, 1939. Records available: 1939-42, 1954. Apr. 14, 156.83; June 9, 155.77; Sept. 14, 155.84; Dec. 13, 155.75.

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 11.75 below lsd, Sept. 14, 1954. Records available: 1939-54. Mar. 16, 3.32; Sept. 14, 11.75; Dec. 13, 2.98.

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, June 9, 1954; lowest 60.77 below lsd, May 17, 1940. Records available: 1939-54. Mar. 16, 56.49; June 9, 56.36; Sept. 14, 56.39; Dec. 13, 56.41.

77. J. W. Wood. SE¼NE¼ sec. 4, T. 32 S., R. 28 W. Drilled unused water-table well in Meade and Ogallala formations, diameter 3 inches, depth 126 feet. Highest water level 60.18 below lsd, Mar. 19, 1952; lowest 67.12 below lsd, Sept. 9, 1943. Records available: 1939-54. Mar. 19, 1952, 60.18; Dec. 10, 61.09; Mar. 19, 1953, 61.10; Mar. 16, 1954, 61.70; June 9, 62.43; Sept. 14, 63.45; Dec. 13, 61.40.

161. C. R. Cheney. SW¼SW¼ sec. 14, T. 31 S., R. 27 W. Bored water-table well in alluvium and Kingsdown silt, diameter 6 inches, depth 18 feet. Highest water level 6.23 below lsd, Sept. 9, 1953; lowest 12.30 below lsd, Sept. 20, 1939. Records available: 1939, 1952-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 20, 1939	12.30	Sept. 3, 1952	9.11	Sept. 9, 1953	6.23	June 9, 1954	8.64
Mar. 19, 1952	6.34	Dec. 10	9.81	Dec. 29	7.02	Sept. 14	8.85
May 19	7.46	June 4, 1953	7.91	Mar. 16, 1954	7.20	Dec. 13	9.63
July 17	8.62						

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 30.42 below lsd, Aug. 13, 1954. Records available: 1939-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.41	13.44	.....	14.48	18.81	.....	.....	19.59	25.42	22.63	.....	.....
2	13.43	13.44	.....	14.40	18.57	.....	.....	19.50	25.46	22.64	.....	.....
3	13.43	13.41	.....	14.46	17.87	.....	.....	19.52	26.53	22.59	.....	.....
4	13.43	13.44	14.02	14.48	18.16	.....	.....	19.88	25.90	21.29	.....	.....
5	13.43	13.67	13.88	.....	18.10	.....	.....	20.32	21.59	20.97	.....	.....
6	13.42	13.96	14.10	15.62	19.03	.....	.....	21.26	20.60	19.77	.....	.....
7	13.42	14.09	14.10	.....	18.98	.....	.....	26.68	21.55	18.96	.....	.....
8	13.40	14.10	14.01	.....	19.35	.....	.....	21.95	22.26	18.40	.....	.....
9	13.41	14.24	14.20	.....	19.35	15.78	.....	23.09	28.70	17.98	.....	.....
10	13.41	14.44	.....	.....	18.70	15.87	.....	24.27	.....	17.62	.....	.....
11	13.42	14.51	.....	.....	18.84	15.91	.....	24.95	.....	17.33	.....	15.13
12	13.43	14.51	.....	.....	18.95	15.81	.....	25.69	.....	17.24	.....	15.14
13	13.42	14.38	15.57	.....	19.14	15.61	.....	30.42	.....	17.37	15.90	15.12
14	13.39	14.18	14.98	.....	.....	15.41	.....	30.25	.....	17.46	15.92	15.09
15	13.40	14.06	.....	.....	.....	15.35	.....	26.70	.....	17.60	15.92	15.09

234--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	13.41	14.00	.....	.....	.....	15.67	.....	29.60	.....	17.66	.....	15.06
17	13.41	13.92	19.80	.....	.....	16.00	.....	26.14	.....	17.66	.....	15.11
18	13.40	13.83	17.54	.....	.....	16.23	.....	24.05	.....	17.59	.....	15.12
19	13.38	13.73	17.20	.....	.....	16.33	.....	28.37	.....	17.32	.....	15.11
20	13.42	.....	17.22	.....	.....	16.39	.....	.....	.....	17.11	.....	15.10
21	13.43	.....	17.24	.....	.....	16.33	.....	.....	.....	17.22	.....	15.07
22	13.43	.....	16.22	.....	.....	.....	.....	.....	.....	17.21	.....	15.06
23	13.41	.....	15.58	18.16	.....	.....	.....	.....	.....	16.95	.....	15.05
24	13.39	.....	15.17	18.73	.....	.....	24.21	.....	.....	16.73	.....	15.05
25	13.40	.....	15.04	18.74	.....	.....	23.98	.....	22.39	16.56	.....	.....
26	13.42	.....	15.03	18.37	.....	18.34	.....	.....	22.41	.....	.....	.....
27	13.44	.....	15.04	18.88	.....	18.16	.....	.....	21.79	.....	.....	.....
28	13.43	.....	15.00	19.19	.....	17.64	.....	18.18	22.24	.....	.....	.....
29	13.42		14.90	19.13	.....	.....	.....	18.33	22.53	.....	.....	.....
30	13.44		14.93	18.97	.....	.....	.....	18.75	22.63	.....	.....	.....
31	13.44		14.59		.....		19.63	24.52		.....		.....

30-27-22cd. D. Zortman. Drilled unused water-table well in sand, diameter 8 inches, depth 21 feet. Highest water level 11.73 below lsd, Apr. 22-23, 1954; lowest 13.95 below lsd, Sept. 23-25, Oct. 3-4, 1954. Records available: 1954.

Daily midnight water level from recorder graph*

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	11.80	11.88	.....	13.29	13.77	13.93	13.10	12.58
2	.....	11.83	11.88	.....	13.30	13.77	13.94	13.05	12.56
3	.....	11.83	11.87	12.72	13.33	13.79	13.95	13.01	12.56
4	.....	11.83	11.86	12.74	13.35	13.81	13.95	12.99	12.55
5	.....	11.83	11.87	12.76	13.37	13.82	13.93	12.94	12.56
6	.....	11.83	11.93	12.79	13.38	13.83	13.88	12.93	12.54
7	.....	11.86	11.96	12.82	13.39	13.84	13.83	12.93	12.53
8	.....	11.86	11.98	12.85	13.39	13.85	13.82	12.92	12.53
9	.....	11.87	12.01	12.87	13.43	13.85	13.81	12.90	12.53
10	.....	11.88	12.07	12.90	13.44	13.86	13.79	12.88	12.51
11	.....	11.88	12.10	12.93	13.45	13.86	13.75	12.85	12.52
12	.....	11.89	12.12	12.95	13.46	13.87	13.70	12.83	12.52
13	.....	11.89	12.15	12.98	13.48	13.88	13.66	12.81	12.49
14	.....	11.80	12.19	13.00	13.50	13.89	13.64	12.79	12.50
15	.....	11.80	12.21	.....	13.52	13.89	13.60	12.75	12.48
16	.....	11.82	12.21	.....	13.54	13.90	13.55	12.73	12.50
17	.....	11.83	12.23	.....	13.55	13.91	13.51	12.71	12.49
18	.....	11.93	12.25	13.10	13.56	13.92	13.48	12.69	12.49
19	.....	11.93	12.29	13.10	.....	13.92	13.46	12.68	12.49
20	.....	11.93	12.32	13.12	.....	13.93	13.41	12.67	12.47
21	.....	11.95	12.35	13.15	13.77	13.93	13.38	12.62	12.47
22	11.73	11.96	12.38	13.19	13.77	13.93	13.35	12.61	12.47
23	11.73	11.97	12.41	13.18	13.77	13.95	13.30	12.61	12.47
24	11.74	11.98	12.45	13.19	13.77	13.95	13.27	12.59	12.47
25	11.74	11.98	12.48	13.19	13.77	13.95	13.23	12.57	12.47
26	11.75	11.98	12.52	13.21	13.77	13.93	13.21	12.57	12.47
27	11.77	11.96	12.55	13.24	13.75	13.93	13.17	12.56	12.47
28	11.78	11.96	12.58	13.25	13.75	13.94	13.14	12.58	12.47
29	11.79	11.93	12.60	13.26	13.76	13.94	13.14	12.58	12.47
30	11.80	11.89	.....	13.28	13.77	13.93	13.14	12.59	12.46
31		11.90		13.29	13.77		13.11		12.46

*No record for January, February, and March.

30-27-26bc. H. C. Zortman. Drilled unused water-table well in sand, diameter 8 inches, depth 30 feet. Highest water level 18.55 below lsd, May 22-25, 1954; lowest 20.41 below lsd, Oct. 3-4, 1954. Records available: 1954.

Daily midnight water level from recorder graph*

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	18.58	18.93	19.65	20.03	20.09	20.38	20.11	19.49
2	.....	18.59	18.97	19.68	20.05	20.13	20.40	20.09	19.47
3	.....	18.58	18.99	19.70	20.06	20.15	20.41	20.09	19.45
4	.....	18.57	19.00	19.71	20.09	20.18	20.41	20.09	19.43
5	.....	18.57	19.03	19.74	20.10	20.18	20.35	20.09	19.44
6	.....	18.60	19.06	19.76	20.11	20.20	20.29	.....	19.42
7	.....	18.61	19.09	19.79	20.10	20.20	20.22	.....	19.40
8	.....	18.62	19.09	19.80	20.09	20.21	20.21	19.91	19.40
9	.....	18.62	19.10	19.82	20.10	20.21	20.23	19.90	19.40
10	.....	18.62	19.11	19.83	20.09	20.22	20.24	19.85	19.38

30-27-26bc--Continued.

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	18.61	19.11	19.85	20.09	20.23	20.24	19.84	19.38
12	.....	18.60	19.12	19.87	20.07	20.25	20.27	19.81	19.37
13	.....	18.61	19.20	19.89	20.07	20.27	20.28	19.79	19.35
14	.....	18.63	19.20	19.91	20.07	20.28	20.30	19.78	19.35
15	.....	18.64	19.27	19.93	20.06	20.28	20.29	19.75	19.32
16	.....	18.67	19.28	19.94	20.07	20.30	20.31	19.71	19.32
17	.....	18.68	19.31	19.96	20.07	20.31	20.34	19.70	19.32
18	.....	18.67	19.33	19.96	20.06	20.34	20.35	19.69	19.31
19	.....	18.68	19.36	19.97	20.05	20.35	20.36	19.67	19.30
20	.....	18.68	19.38	19.98	.....	20.36	20.36	19.62	19.29
21	.....	18.71	19.41	19.98	20.06	20.36	20.37	19.61	19.28
22	18.55	18.74	19.43	20.00	20.02	20.38	20.34	19.59	19.26
23	18.55	18.76	19.45	19.93	20.00	20.39	20.30	19.58	19.26
24	18.55	18.76	19.49	19.89	19.98	20.39	20.27	19.57	19.25
25	18.55	18.75	19.52	19.93	19.98	20.35	20.25	19.55	19.24
26	18.56	18.75	19.55	19.96	20.00	20.33	20.24	19.54	19.24
27	18.56	18.77	19.56	20.00	20.03	20.36	20.22	19.52	19.24
28	18.56	18.82	19.59	20.00	20.06	20.40	20.19	19.52	19.24
29	18.57	18.85	19.61	20.00	20.08	20.40	20.17	19.50	19.20
30	18.59	18.87	19.63	20.02	20.08	20.36	20.16	19.50	19.19
31		18.91		20.02	20.06		20.13		19.17

*No record for January, February, and March.

30-27-32ddd. Meade County. Driven and bored observation water-table well in clay, diameter 2 inches, depth 20 feet. Highest water level 8.93 below lsd, July 7, 1953; lowest 14.23 below lsd, Dec. 13, 1954. Records available: 1953-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 16, 1953	9.40	Sept. 9, 1953	9.50	Mar. 16, 1954	9.68	Sept. 14, 1954	13.39
July 7	8.93	Dec. 29	10.20	June 9	10.52	Dec. 13	14.23

33-28-29bc. Fred Bouhers. Drilled irrigation water-table well in sand of Meade and Ogallala formations, diameter 16 inches, depth 160 feet. Highest water level 14.23 below lsd, Mar. 16, 1954; lowest 18.15 below lsd, July 18, 1939. Records available: 1939, 1953-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 18, 1939	18.15	Sept. 9, 1953	14.63	Mar. 16, 1954	14.23	Sept. 14, 1954	15.91
Mar. 19, 1953	15.80	Dec. 29	14.66	June 9	14.33	Dec. 13	14.93
June 4	14.32						

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: 1946-54. Apr. 5, 17.09; July 23, 17.37; Dec. 13, 17.39.

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: 1935-54. Apr. 5, 24.20; July 23, 23.82; Dec. 13, 25.97.

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 30.49 below lsd, Dec. 13, 1954. Records available: 1946-54. Apr. 5, 29.59; July 23, 29.50; Dec. 13, 30.49.

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: 1946-53. Measurement discontinued.

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: 1946-54. Apr. 5, 28.19; July 23, 27.63; Dec. 13, 28.90.

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: 1946-54. Apr. 5, 26.97; July 23, 27.35; Dec. 13, 28.08.

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: 1946-54. Apr. 5, 21.28; July 23, 21.25; Dec. 13, 22.73.

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: 1946-54. Apr. 5, 28.23; Dec. 13, 28.68.

Morton County

22. E. A. Wilcox. SW¼SE¼SE¼ sec. 14, T. 31 S., R. 43 W. Drilled unused water-table well in Dakota formation, diameter 5 inches, depth 87 feet. Highest water level 69.85 below lsd, May 20, 1952; lowest 74.43 below lsd, Nov. 26, 1947. Records available: 1939-53. No measurement made in 1954.

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

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: 1939-54. Feb. 11, 158.80; May 31, 160.34; Nov. 16, 158.42.

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: 1940-54. Jan. 20, 31.03; Apr. 21, 31.14; July 14, 31.39; Oct. 13, 32.20.

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: 1940-54. Jan. 20, 24.40.

18-23-31aa. J. H. Lieker. Drilled domestic water-table well in Ogallala formation, diameter 5 inches, depth 54 feet. Highest water level 47.82 below lsd, Apr. 20, 1954; lowest 48.17 below lsd, Oct. 12, 1954. Records available: 1954. Feb. 4, 47.97; Apr. 20, 47.82; July 13, 47.98; Oct. 12, 48.17.

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. No measurement made in 1954.

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: 1946-54. Apr. 6, 23.69.

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: 1946-54. Apr. 6, 23.37.

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: 1945-54. Apr. 6, 29.61.

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: 1947-54. Apr. 6, 41.15; July 24, 41.28.

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: 1946-54. Apr. 6, 62.08.

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. No measurement made in 1954.

2-22-26ac. Percy G. Whitaker. Drilled domestic water-table well in alluvium, diameter 6 inches, depth 53 feet. Highest water level 24.11 below lsd, July 24, 1951; lowest 29.80 below lsd, Apr. 26, 1949. Records available: 1946-54. Apr. 6, 28.81; July 24, 29.05.

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: 1947-54. Apr. 6, 48.17; July 24, 48.17.

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: 1946-54. Apr. 6, 28.13; July 24, 29.84.

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 39.71 below lsd, Apr. 6, 1954. Records available: 1947-54. Apr. 6, 39.71.

2-25-36dd. L. B. McCabe. Drilled stock water-table well in Ogallala formation, diameter 6 inches, depth 56 feet. Highest water level 41.65 below lsd, Feb. 8, 1954; lowest 42.83 below lsd, May 4, 1946. Records available: 1946, 1954. May 4, 1946, 42.83; Feb. 8, 1954, 41.65; Aug. 9, 41.73; Nov. 22, 41.87.

4-23-14ad. W. L. Kidder. Drilled stock water-table well in Ogallala formation, diameter 6 inches, depth 91 feet. Highest water level 65.16 below lsd, Nov. 22, 1954; lowest 66.08 below lsd, Jan. 18, 1946. Records available: 1946, 1954. Jan. 18, 1946, 66.08; Feb. 8, 1954, 65.27; Nov. 22, 65.16.

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: 1945-54. Apr. 5, 33.93; July 25, 34.30; Dec. 14, 34.58.

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 32.15 below lsd, Dec. 14, 1954; lowest 43.06 below lsd, Jan. 28, 1946. Records available: 1945-54. Apr. 7, 32.28; July 25, 32.18; Dec. 14, 32.15.

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: 1945-54. Apr. 5, 22.29; July 25, 22.75; Dec. 14, 23.10.

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 24.03 below lsd, Apr. 7, 1954; lowest 42.37 below lsd, Mar. 20, 1951. Records available: 1945-54. Apr. 7, 24.03.

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. No measurement made in 1954.

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: 1946-54. Apr. 5, 32.51; July 23, 32.52; Dec. 13, 32.27.

7-13-15da. J. W. Bathurst. Drilled domestic water-table well in alluvium, diameter 12 inches, depth 53 feet, tile casing. Highest water level 29.14 below lsd, July 25, 1951; lowest 39.64 below lsd, Dec. 13, 1954. Records available: 1946-54. Apr. 5, 38.25; July 24, 38.25; Dec. 13, 39.64.

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: 1946-54. Apr. 5, 22.94; July 24, 23.13.

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: 1946-54. Apr. 5, 30.30; Dec. 13, 30.90.

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: 1946-54. Apr. 5, 22.18; July 24, 22.46; Dec. 13, 22.50.

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: 1946-54. Apr. 5, 19.96; July 24, 14.68; Dec. 13, 16.93.

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: 1940-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	26.54	Apr. 19	26.61	July 12	27.25	Nov. 17	28.74
Feb. 15	26.60	May 26	26.25	Aug. 17	27.80	Dec. 21	28.80
Mar. 24	26.54	June 23	26.75	Sept. 21	28.35		

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: 1940-54.

Jan. 18	14.71	Apr. 19	14.97	July 12	15.67	Oct. 11	15.88
Feb. 15	14.76	June 23	16.24	Aug. 17	17.20	Dec. 21	15.86
Mar. 24	15.86						

21-20-29bc. Irving Brownlee. Drilled irrigation well, diameter 9 inches, depth 53 feet. Highest water level 26.30 below lsd, Feb. 12, 1953; lowest dry, July 14, Nov. 18, 1954. Records available: 1945, 1952-54.

June 6, 1945	27.31	May 14, 1953	27.98	Oct. 21, 1953	28.09	Apr. 21, 1954	27.54
Sept. 24, 1952	27.96	June 18	28.57	Dec. 15	27.45	June 23	28.66
Feb. 12, 1953	26.30	July 22	28.67	Jan. 20, 1954	27.17	July 14	(f)
Mar. 17	27.60	Aug. 13	28.08	Feb. 16	27.21	Nov. 18	(f)
Apr. 16	26.42	Sept. 8	29.66	Mar. 24	26.90		

f Dry.

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 26.01 below lsd, Nov. 19, 1950. Records available: 1947-54. Apr. 6, 20.17; July 24, 18.00.

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: 1947-53. Measurement discontinued.

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. No measurement made in 1954.

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. No measurement made in 1954.

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: 1946-54. July 24, 10.65; Dec. 14, 12.19.

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: 1946-54. Apr. 6, 47.80; July 24, 47.91; Dec. 14, 47.98.

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: 1946-54. Apr. 7, 49.38.

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 13.22 below lsd, Dec. 16, 1954. Records available: 1951-54. Jan. 18, 11.69; Feb. 15, 11.89; Mar. 8, 11.96; Apr. 19, 12.35; June 1, 12.41; Sept. 15, 12.82; Dec. 16, 13.22.

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: 1950-54. Jan. 18, 35.95; Feb. 15, 36.15; Mar. 9, 36.18; Apr. 19, 36.56; June 1, 36.71; Sept. 16, 37.26.

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 15.28 below lsd, Sept. 16, 1954. Records available: 1951-54. Sept. 16, 15.28.

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 92.25 below lsd, Dec. 15, 1954. Records available: 1951-54. Jan. 18, 88.63; Feb. 15, 88.57; Mar. 8, 89.35; Dec. 15, 92.25.

Rawlins County

1-33-29cc. Joseph Parker. Drilled stock water-table well in Ogallala formation, diameter 5 inches, depth 125 feet. Highest water level 115.75 below lsd, Aug. 4, 1952; lowest 117.28 below lsd, Nov. 23, 1954. Records available: 1952-54. Aug. 4, 1952, 115.75; Jan. 6, 1953, 116.20; Feb. 17, 116.20; Feb. 9, 1954, 116.33; Aug. 10, 116.27; Nov. 23, 117.28.

3-31-8ba. C. A. Falconer. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 197 feet. Highest water level 191.19 below lsd, June 12, 1952; lowest 193.22 below lsd, May 4, 1954. Records available: 1952-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 12, 1952	191.19	May 12, 1953	192.38	Feb. 9, 1954	192.15	Aug. 9,1954	192.30
Jan. 6, 1953	192.33	Aug. 5	192.27	May 4	193.22	Nov. 22	192.15
Feb. 17	192.54						

3-36-23bb. C. Sramek. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 193 feet. Highest water level 168.75 below lsd, Aug. 4, 1952; lowest 186.19 below lsd, Nov. 23, 1954. Records available: 1952-54.

Aug. 4, 1952	168.75	May 12, 1953	184.41	Feb. 9, 1954	184.25	Aug. 10,1954	184.29
Jan. 6, 1953	170.61	Aug. 5	184.16	May 4	184.34	Nov. 23	186.19
Feb. 17	184.54						

4-33-18dd. W. B. Minney. Drilled water-table well in Ogallala formation, diameter 5 inches, depth 103 feet. Highest water level 86.61 below lsd, Aug. 4, 1952; lowest 87.97 below lsd, May 4, 1954. Records available: 1952-54. Aug. 4, 1952, 86.61; May 12, 1953, 87.81; Aug. 5, 87.81; Feb. 9, 1954, 87.84; May 4, 87.97.

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: 1947-54. Feb. 2, 8.87; Aug. 5, 8.44; Oct. 12, 8.98.

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 22.33 below lsd, Feb. 2, 1954. Records available: 1947-54. Feb. 2, 22.33; Aug. 5, 21.51; Oct. 12, 21.98.

Rice County

18-6-13bc. F. Kasparek. Drilled water-table well in Kiowa shale (of Moore, 1932), diameter 6 inches, depth 107 feet. Highest water level 10.17 below lsd, Oct. 23, 1951; lowest 13.14 below lsd, Jan. 6, 1948. Records available: 1946-54. Apr. 18, 11.45.

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 44.55 below lsd, Apr. 18, 1954. Records available: 1946-54. Apr. 18, 44.55.

18-8-10dc. C. Dobrinski. Dug unused water-table well in terrace deposit of Quaternary age, diameter 36 inches, depth 59 feet. Highest water level 38.90 below lsd, Dec. 7, 1952; lowest 42.18 below lsd, Dec. 5, 1946. Records available: 1946-52, 1954. Apr. 18, 39.30.

19-6-13dd. W. M. Myers. Drilled unused water-table well in shale of Permian age, diameter 8 inches, depth 77 feet. Highest water level 31.80 below lsd, Dec. 7, 1952; lowest 41.12 below lsd, Jan. 6, 1948. Records available: 1946-54. Apr. 18, 39.97.

19-7-24ab. J. P. Pulliam. Dug unused water-table well in sandstone in Kiowa shale (of Moore, 1932), diameter 36 inches, depth 41 feet, cribbed with brick. Highest water level 24.75 below lsd, July 31, 1951; lowest 42.81 below lsd, Feb. 27, 1952. Records available: 1946-52, 1954. Apr. 18, 36.85.

19-10-22bc. J. R. Bowman. Drilled unused water-table well in terrace gravel, diameter 8 inches, depth 68 feet. Highest water level 1.02 below lsd, Sept. 23, 1950; lowest 8.00 below lsd, Oct. 4, 1946. Records available: 1946-53. No measurement made in 1954.

20-6-23cd. School District. Drilled unused water-table well in Ninnescah shale, depth 75 feet. Highest water level 4.57 below lsd, Apr. 7, 1948; lowest 21.90 below lsd, Apr. 15, 1950. Records available: 1946-52, 1954. Apr. 18, 14.74.

20-10-28ba. H. Thompson. Drilled unused water-table well in terrace gravel, diameter 8 inches, depth 30 feet. Highest water level 8.85 below lsd, July 30, 1951; lowest 13.55 below lsd, Apr. 18, 1954. Records available: 1946-54. Apr. 18, 13.55.

21-8-20cc. R. J. Dill. Drilled unused water-table well in alluvium, diameter 14 inches, depth 39 feet. Highest water level 4.98 below lsd, Aug. 5, 1948; lowest 8.76 below lsd, Oct. 3, 1947. Records available: 1946-54. Apr. 18, 8.18.

Rush County

18-20-23ab. Owner unknown. Observation water-table well in Niobrara formation, diameter 5 inches, depth 50 feet. Highest water level 23.78 below lsd, Feb. 4, 1954; lowest 34.65 below lsd, Oct. 12, 1954. Records available: 1954. Feb. 4, 23.78; Mar. 20, 33.79; July 13, 34.06; Oct. 12, 34.65.

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: 1941-54. Jan. 19, 21.40; Apr. 20, 21.12; July 13, 22.02; Oct. 12, 23.33.

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: 1941-54. Jan. 19, 5.51; Apr. 20, 5.48; July 13, 5.53; Oct. 12, 5.10.

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: 1941-54. Jan. 19, 120.14; Apr. 20, 120.40; July 13, 120.43; Oct. 12, 120.02.

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: 1941-54. Jan. 19, 8.80; Apr. 20, 9.62; July 13, 8.32; Oct. 12, 8.53.

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: 1941-54. Jan. 19, 13.19; Apr. 20, 13.31; July 13, 13.30; Oct. 12, 13.47.

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: 1941-54. Apr. 20, 6.29; July 13, 7.28; Oct. 12, 6.86.

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: 1941-54. Jan. 19, 19.07; Apr. 20, 19.50; Oct. 12, 19.95.

Saline County

15-2-17cd. U. S. Geol. Survey. Driven and drilled observation water-table well in alluvium and terrace deposits, diameter 1¼ inches, depth 31 feet. Highest water level 9.58 below lsd, Oct. 1, 1951; lowest 26.00 below lsd, Apr. 19, 1954. Records available: 1946-54. Apr. 19, 26.00.

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: 1946-54. Apr. 19, 25.35.

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. No measurement made in 1954.

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. No measurement made in 1954.

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. No measurement made in 1954.

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. No measurement made in 1954.

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. No measurement made in 1954.

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. No measurement made in 1954.

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: 1936-53. No measurement made in 1954.

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 21.73 below lsd, Apr. 19, 1954. Records available: 1946-54. Apr. 19, 21.73.

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. Measurement discontinued.

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 73.02 below lsd, Sept. 23, 1954. Records available: 1931-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	68.59	Apr. 28	66.86	July 20	69.00	Oct. 20	69.67
Feb. 3	68.90	May 17	68.53	Aug. 16	70.30	Nov. 9	69.31
Mar. 18	67.01	June 10	66.96	Sept. 23	73.02	Dec. 23	72.54

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 61.19 below lsd, Dec. 30, 31, 1954. Records available: 1940-54.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	59.22	59.21	59.20	59.11	59.28	59.45	59.61	59.92	60.26	60.66	61.07	61.39
2	59.22	59.21	59.20	59.11	59.29	59.46	59.63	59.93	60.27	60.68	61.08	61.40
3	59.22	59.21	59.20	59.11	59.30	59.47	59.64	59.94	60.28	60.69	61.10	61.41
4	59.22	59.21	59.20	59.11	59.30	59.47	59.65	59.95	60.28	60.70	61.11	61.44
5	59.23	59.20	59.20	59.11	59.31	59.47	59.66	59.96	60.28	60.71	61.12	61.44
6	59.23	59.20	59.20	59.11	59.31	59.48	59.67	59.97	60.29	60.72	61.13	61.44
7	59.23	59.20	59.19	59.11	59.32	59.49	59.68	59.98	60.30	60.74	61.15	61.44
8	59.23	59.20	59.19	59.11	59.33	59.49	59.69	59.99	60.31	60.76	61.17	61.44
9	59.23	59.20	59.19	59.11	59.33	59.49	59.70	60.00	60.32	60.78	61.17	61.45
10	59.23	59.20	59.19	59.11	59.34	59.49	59.70	60.01	60.33	60.80	61.18	61.46
11	59.23	59.19	59.18	59.11	59.34	59.49	59.71	60.02	60.34	60.80	61.19	61.47
12	59.23	59.19	59.17	59.11	59.35	59.49	59.72	60.03	60.35	60.81	61.21	61.47
13	59.24	59.19	59.16	59.11	59.35	59.50	59.73	60.05	60.36	60.84	61.22	61.49
14	59.24	59.19	59.16	59.11	59.36	59.51	59.75	60.06	60.37	60.85	61.23	61.51
15	59.25	59.17	59.16	59.11	59.37	59.51	59.75	60.07	60.38	60.86	61.24	61.51
16	59.25	59.18	59.16	59.11	59.38	59.51	59.75	60.08	60.39	60.88	62.25	61.52
17	59.24	59.18	59.15	59.12	59.38	59.52	59.76	60.10	60.40	60.89	61.26	61.53
18	59.24	59.19	59.14	59.15	59.39	59.53	59.76	60.10	60.41	60.90	61.27	61.54
19	59.23	59.19	59.15	59.17	59.40	59.54	59.77	60.10	60.42	60.91	61.28	61.54
20	59.23	59.19	59.15	59.19	59.40	59.55	59.78	60.11	60.43	60.92	61.30	61.55
21	59.22	.....	59.15	59.20	59.40	59.56	59.79	60.12	60.44	60.95	61.31	61.55
22	59.21	.....	59.15	59.20	59.40	59.56	59.80	60.12	60.46	60.95	61.32	61.55
23	59.21	.....	59.15	59.21	59.40	59.57	59.80	60.13	60.46	60.96	61.33	61.55
24	59.21	.....	59.14	59.22	59.41	59.58	59.81	60.16	60.49	60.97	61.34	61.55
25	59.21	.....	59.15	59.23	59.41	59.59	59.83	60.17	60.52	60.99	61.34	61.57
26	59.21	59.20	59.14	59.24	59.41	59.59	59.85	60.18	60.55	61.00	61.35	61.59
27	59.21	59.20	59.13	59.24	59.42	59.60	59.88	60.19	60.57	61.00	61.37	61.64
28	59.20	59.20	59.13	59.25	59.42	59.60	59.90	60.20	60.59	61.01	61.37	61.66
29	59.20		59.12	59.26	59.43	59.60	59.90	60.22	60.60	61.03	61.38	61.68
30	59.20		59.12	59.27	59.44	59.61	59.90	60.23	60.63	61.04	61.39	61.69
31	59.20		59.12		59.44		59.91	60.24		61.05		61.69

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: 1934-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 18	29.60	June 10	30.54	Sept. 23	33.92	Nov. 9	35.14
Apr. 28	29.92	July 20	28.79	Oct. 25	34.77	Dec. 23	35.74
May 17	29.88	Aug. 16	31.99				

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	28.00	.....	28.10	28.23	28.43	29.38	31.85	32.87	33.90	34.44	34.44	.....
2	28.03	.....	28.19	28.25	28.48	29.40	30.91	32.90	33.03	34.42	34.45	.....
3	28.03	28.12	28.22	28.26	28.55	29.45	31.00	32.90	34.00	34.40	34.46	.....
4	28.07	28.13	28.18	28.24	28.56	29.43	31.08	32.90	34.05	34.42	34.45	34.50
5	28.09	28.14	28.17	28.20	28.61	29.42	31.12	32.85	34.12	34.43	34.45	34.56
6	28.07	28.17	28.16	28.21	28.70	29.44	31.17	32.75	34.18	34.43	34.45	34.56
7	28.03	28.17	28.14	28.27	28.79	29.50	31.24	32.57	34.23	34.43	34.45	34.54
8	28.03	28.14	28.17	28.31	28.87	29.50	31.30	32.52	34.27	34.41	34.46	34.55
9	28.09	28.09	28.13	28.20	28.95	29.50	31.35	32.48	34.30	34.38	34.50	34.56
10	28.08	28.05	28.08	28.25	29.01	29.51	31.43	32.45	34.32	34.37	.....	34.54
11	28.12	28.16	28.03	28.31	29.07	29.54	31.50	32.40	34.32	34.37	.....	34.55
12	28.12	28.12	28.03	28.31	29.14	29.57	31.59	32.34	34.31	34.38	.....	34.57
13	28.03	28.04	28.22	28.23	29.16	29.57	31.65	32.24	34.31	34.36	.....	.....
14	28.02	28.03	28.23	28.13	29.20	29.60	31.73	32.20	34.33	34.42	.....	.....
15	28.03	28.10	28.25	28.24	29.21	29.63	31.82	32.19	34.32	34.41	.....	.....

2A--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	28.08	28.17	28.22	28.30	25.29	29.65	31.91	32.32	34.31	34.40	.....	.....
17	28.07	28.15	28.14	28.28	29.25	29.74	32.00	32.45	34.30	34.40	.....	.....
18	28.02	28.07	28.06	28.28	29.25	29.85	32.09	32.60	34.30	34.40	.....	.....
19	28.02	28.07	28.16	28.31	29.25	29.94	32.18	32.75	34.30	34.40	.....	.....
20	28.12	28.12	28.21	28.31	29.24	29.02	32.25	32.85	34.33	34.40	.....	.....
21	28.16	28.17	28.19	28.35	29.21	29.12	32.34	32.99	34.35	34.41	.....	.....
22	.....	28.16	28.20	28.35	29.21	29.23	32.43	32.10	34.35	34.43	.....	.....
23	.....	28.18	28.20	28.31	29.33	29.30	32.51	32.20	34.35	34.42	.....	34.57
24	.....	28.13	28.12	28.31	29.31	30.40	32.58	33.37	34.36	34.41	.....	34.53
25	.....	28.13	28.20	28.32	29.30	30.49	32.64	33.39	34.40	34.40	.....	34.52
26	.....	28.03	28.25	28.31	29.28	30.60	32.66	33.54	34.45	34.43	.....	34.54
27	.....	28.15	28.13	28.36	29.30	30.68	32.66	33.63	34.45	34.44	.....	32.55
28	.....	28.17	28.19	28.24	29.33	30.75	32.67	33.70	34.45	34.40	.....	34.54
29	.....		28.20	28.36	29.35	30.80	32.74	33.75	34.45	34.34	.....	.....
30	.....		28.22	28.40	29.31	30.84	32.80	33.80	34.45	34.34	.....	.....
31	.....		28.26		29.39		32.84	33.85		34.43		.....

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 58.33 below lsd, July 20, 1954. Records available: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	47.02	Apr. 28	49.75	July 20	58.33	Oct. 25	54.03
Feb. 3	51.47	May 17	49.75	Aug. 16	58.01	Nov. 9	53.82
Mar. 18	49.09	June 10	50.57	Sept. 23	57.60	Dec. 23	53.19

32. E. J. Roark. NW¼SE¼ sec. 25, T. 19 S., R. 33 W. Drilled observation water-table well in Ogallala formation, diameter 1¼ inches, depth 45 feet. Highest water level 31.06 below lsd, June 18, 1951; lowest dry, Sept. 23, 1954. Records available: 1939-54.

Feb. 3	41.55	Apr. 28	41.97	June 10	42.92	Aug. 16	45.33
Mar. 18	41.33	May 17	42.37	July 20	43.85	Sept. 23	(f)

f Dry.

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. Measurement discontinued.

50. F. M. Houstin. SW¼SE¼ sec. 28, T. 19 S., R. 32 W. Drilled unused water-table well in Ogallala formation, diameter 5 inches, depth 129 feet. Highest water level 86.04 below lsd, Apr. 21, 1953; lowest 97.95 below lsd, Aug. 6, 1943. Records available: 1939-54. Jan. 13, 86.05; Apr. 28, 86.13; July 20, 86.27.

Sedgwick County

12. Dr. A. D. Updegraph. NW¼SE¼ sec. 26, T. 25 S., R. 1 W. Drilled observation water-table well in gravel and alluvium, diameter 24 inches, depth 54 feet. Highest water level 10.05 below lsd, July 25, 1951; lowest 19.53 below lsd, Dec. 24, 1954. Records available: 1937-54.

Jan. 22	18.88	May 3	18.95	Aug. 24	19.31	Nov. 1	19.48
Feb. 1	18.92	24	18.96	Sept. 1	19.36	24	19.50
24	18.93	June 2	18.99	24	19.31	Dec. 1	19.49
Mar. 1	18.93	24	19.03	Oct. 1	19.44	24	19.53
24	18.98	July 23	19.16	22	19.49	30	19.51
Apr. 1	18.98	Aug. 2	19.20				

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 2, 1951; lowest 28.59 below lsd, Sept. 8, 1954. Records available: 1937-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	15.83	14.22	14.19	13.86	14.47	21.33	24.02	27.27	20.24	14.90	14.36
2	14.80	15.66	14.07	14.10	13.69	14.42	21.96	23.51	27.41	19.60	14.88	14.31
3	14.80	15.53	13.99	14.04	13.65	14.24	22.50	22.90	27.76	19.08	14.77	14.23
4	15.00	15.43	13.98	13.98	13.54	14.05	22.31	23.57	28.10	18.93	14.68	14.21
5	15.16	15.35	14.09	14.33	13.44	.....	21.65	23.97	28.13	18.98	14.64	14.29
6	15.18	15.30	14.19	14.34	13.46	.....	22.51	23.88	27.39	18.48	14.55	14.30
7	15.23	15.27	14.28	14.33	13.55	14.17	23.07	23.36	28.12	17.92	14.63	14.22
8	15.31	15.20	14.36	14.31	13.57	14.27	22.79	23.36	28.59	17.53	14.68	14.20
9	15.33	15.11	14.43	14.23	13.57	14.48	23.66	23.85	28.58	17.20	14.73	14.22
10	15.28	15.16	14.49	14.15	13.51	14.77	24.09	24.38	27.27	16.93	15.26	14.22

26--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	15.23	14.53	14.07	13.47	14.98	24.03	24.56	25.59	16.85	16.13	14.21
12	.....	15.24	14.60	14.02	13.86	15.02	23.93	24.21	24.23	17.49	16.27	14.24
13	.....	.....	14.71	13.96	14.82	15.02	24.52	23.80	22.77	17.75	15.88	14.25
14	.....	.....	14.73	13.90	15.52	14.99	25.09	24.76	22.23	17.83	15.28	14.61
15	.....	.....	14.74	13.92	15.68	14.95	25.34	24.76	22.07	17.44	15.08	14.92
16	15.48	15.13	14.73	13.93	15.71	14.90	25.34	25.38	21.90	17.01	15.08	15.20
17	15.35	15.24	14.72	14.18	15.45	14.80	.....	26.62	21.54	16.79	14.88	15.30
18	15.18	15.30	14.74	14.23	15.47	14.76	.....	27.15	21.45	16.83	14.74	15.24
19	15.85	15.32	14.80	14.33	15.19	15.01	.....	27.15	21.51	17.37	14.67	14.95
20	15.81	15.30	14.80	14.47	14.90	15.03	26.13	26.52	22.37	17.51	14.60	14.79
21	15.55	15.23	14.71	14.47	15.29	16.20	26.34	25.90	22.31	17.19	14.54	14.63
22	15.41	15.13	14.58	14.47	15.68	18.24	26.36	25.37	21.60	16.60	14.50	14.49
23	15.36	15.05	14.50	14.34	15.68	19.65	.....	24.25	21.36	16.18	14.47	14.37
24	16.28	14.99	14.42	14.23	15.12	19.91	24.92	23.54	21.27	15.88	14.46	14.33
25	17.35	14.90	14.31	14.13	14.82	20.08	23.80	23.66	21.18	15.72	14.45	14.24
26	17.39	14.81	14.31	14.05	14.46	20.48	23.63	23.66	20.66	15.65	14.40	14.17
27	17.30	14.69	14.27	14.02	14.11	20.48	23.66	24.65	20.50	15.44	14.38	14.35
28	16.82	14.48	14.23	13.98	13.97	20.63	24.18	25.28	20.50	15.26	14.39	14.35
29	16.53		14.21	14.04	.....	21.41	24.33	25.75	20.48	15.11	14.40	14.19
30	16.23		14.21	14.00	.....	21.56	24.87	26.36	20.39	14.98	14.36	14.10
31	16.03		14.20		.....		24.86	26.74		14.91		.....

115. City of Wichita. NW¼NW¼NW¼ sec. 22, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1½ inches, depth 32 feet. Highest water level 7.00 below lsd, July 27, 1954; lowest 8.15 below lsd, Oct. 1, 1954. Records available: 1954. July 27, 7.00; Oct. 1, 8.15; Nov. 1, 7.99; Dec. 1, 7.87; Dec. 30, 7.80.

307. J. R. Clark. NW¼NW¼SW¼ sec. 1, T. 25 S., R. 2 W. Drilled observation water-table well in gravel and alluvium, diameter 6 inches, depth 92 feet. Highest water level 9.08 below lsd, May 12-13, 20, 1945; lowest 27.79 below lsd, June 14, 1954. Records available: 1937-54.

Daily lowest water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	26.72	Mar. 5	27.22	Mar. 29	26.97	Apr. 22	27.47
2	26.72	6	27.22	30	26.95	23	27.48
3	26.73	7	27.21	31	26.92	24	27.51
4	26.76	8	27.21	Apr. 1	26.89	25	27.53
5	26.78	9	27.21	2	26.90	May 2	27.64
6	26.80	10	27.21	3	26.91	3	27.64
7	26.83	11	27.21	4	26.92	4	27.65
8	26.85	12	27.21	5	26.93	5	27.66
9	26.87	13	27.20	6	26.94	6	27.67
10	26.90	14	27.20	7	26.96	7	27.69
11	26.92	15	27.20	8	26.93	8	27.71
12	26.95	16	27.20	9	27.00	June 2	27.49
13	26.98	17	27.20	10	27.04	3	27.50
14	27.01	18	27.20	11	27.08	4	27.52
15	27.05	19	27.19	12	27.12	5	27.53
16	27.08	20	27.19	13	27.17	6	27.55
17	27.11	21	27.19	14	27.22	7	27.57
18	27.13	22	27.17	15	27.28	8	27.60
19	27.14	23	27.15	16	27.32	9	27.62
20	27.16	24	27.14	17	27.35	10	27.63
21	27.17	25	27.12	18	27.38	11	27.64
Mar. 2	27.22	26	27.10	19	27.41	12	27.68
3	27.22	27	27.06	20	27.43	13	27.74
4	27.22	28	27.01	21	27.44	14	27.79

502. Kansas Gas & Electric Co. NW¼NW¼ sec. 29, T. 26 S., R. 1 E. Drilled industrial water-table well in sand, diameter 24 inches, depth 46 feet. Highest water level 12.49 below lsd, Mar. 20, 1944; lowest 30.20 below lsd, June 13, 1951. Records available: 1943-54.

Feb. 5	23.40	Apr. 26	22.30	June 25	28.20	Sept. 17	28.68
Mar. 5	23.00	May 20	16.40	July 30	22.45	Nov. 12	23.16

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 6.16 below lsd, Nov. 1, 1954. Records available: 1938-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	5.10	May 3	4.72	Aug. 2	5.50	Nov. 1	6.16
Mar. 1	5.01	June 2	4.12	Sept. 1	5.66	Dec. 1	6.06
31	4.97	30	4.78	Oct. 1	6.08	30	6.02

805. City of Wichita. NW¼NE¼ sec. 19, T. 26 S., R. 1 W. Driven observation water-table well in coarse sand, diameter 1¼ inches, depth 41 feet. Highest water level 1.57 below lsd, May 2, 1945; lowest 7.52 below lsd, Oct. 1, 1954. Records available: 1938-54.

Feb. 1	6.01	May 3	5.77	Aug. 2	7.12	Nov. 1	7.28
Mar. 1	5.85	June 2	5.72	Sept. 1	6.47	Dec. 1	7.15
31	5.88	30	6.52	Oct. 1	7.52	30	7.03

807. City of Wichita. NW¼NW¼ sec. 10, T. 26 S., R. 2 W. Driven observation water-table well in coarse sand, diameter 1¼ inches, depth 37 feet. Highest water level 18.09 below lsd, Oct. 3, 1951; lowest 24.67 below lsd, Oct. 1, 1954. Records available: 1938-54.

Feb. 1	23.62	May 3	23.70	Aug. 2	24.02	Nov. 1	24.63
Mar. 1	23.62	June 2	23.65	Sept. 1	24.24	Dec. 1	24.59
31	23.60	30	23.80	Oct. 1	24.67	30	24.51

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. No measurement made in 1954.

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 16.95 below lsd, Dec. 30, 1954. Records available: 1938-54.

Feb. 1	15.97	May 3	16.10	Aug. 2	16.47	Nov. 1	16.83
Mar. 1	16.09	June 2	16.00	Sept. 1	16.64	Dec. 1	16.88
Apr. 1	16.14	30	16.22	Oct. 1	16.78	30	16.95

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 14.60 below lsd, Oct. 1, 1954. Records available: 1938-54.

Feb. 1	14.14	May 3	14.00	Aug. 2	14.50	Nov. 1	14.50
Mar. 1	14.13	June 2	14.14	Sept. 1	14.53	Dec. 1	14.51
31	14.14	30	14.30	Oct. 1	14.60	30	14.49

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 10.66 below lsd, Dec. 1, 30, 1954. Records available: 1938-54.

Feb. 1	10.11	May 3	10.15	Aug. 2	10.20	Nov. 1	10.54
Mar. 1	10.10	June 2	10.52	Sept. 1	10.35	Dec. 1	10.66
31	10.13	30	10.15	Oct. 1	9.45	30	10.66

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: 1938-54.

Feb. 1	9.58	May 3	9.72	Aug. 2	9.85	Nov. 1	9.98
Mar. 1	9.62	June 2	9.76	Sept. 1	9.88	Dec. 30	10.07
31	9.66	30	9.79	Oct. 1	9.93		

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 17.68 below lsd, Dec. 30, 1954. Records available: 1938-54.

Feb. 1	16.57	May 3	16.89	Aug. 2	17.09	Nov. 1	17.47
Mar. 1	16.69	June 2	16.91	Sept. 1	17.23	Dec. 1	17.59
Apr. 1	16.79	30	16.97	Oct. 1	17.34	30	17.68

815. City of Wichita. NE¼ sec. 17, T. 25 S., R. 1 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 31 feet. Highest water level 7.65 below lsd, May 11, 1945; lowest 18.04 below lsd, Dec. 30, 1954. Records available: 1938-54.

Feb. 1	16.84	Apr. 30	17.19	Aug. 2	17.51	Nov. 2	17.97
Mar. 2	16.92	June 2	17.33	Sept. 1	17.53	Dec. 1	17.84
Apr. 2	17.07	July 1	17.44	30	17.78	30	18.04

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 22.28 below lsd, Dec. 30, 1954. Records available: 1938-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	20.26	Apr. 30	20.68	Aug. 2	21.33	Nov. 2	21.94
Mar. 2	20.39	June 2	20.91	Sept. 1	21.48	Dec. 1	22.05
Apr. 2	20.54	30	21.02	30	21.77	30	22.28

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: 1938-54.

Feb. 1	12.73	Apr. 30	12.92	Aug. 2	13.46	Nov. 1	13.87
Mar. 2	12.82	June 2	12.90	Sept. 1	13.63	Dec. 1	14.05
Apr. 2	12.89	July 1	13.10	30	14.85	30	14.04

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 29.98 below lsd, Oct. 1, 1954. Records available: 1938-54.

Feb. 1	28.47	May 3	28.30	Aug. 2	29.47	Nov. 1	29.92
Mar. 1	28.31	June 2	28.05	Sept. 1	29.79	Dec. 1	29.76
31	28.35	30	28.80	Oct. 1	29.98	31	29.59

834. City of Wichita. SW¼SW¼ sec. 9, T. 25 S., R. 3 W. Driven observation water-table well in fine sand, diameter 1¼ inches, depth 18 feet. Highest water level 5.35 below lsd, Sept. 8, 1951; lowest 12.32 below lsd, Oct. 1, 1954. Records available: 1938-54.

Feb. 1	10.58	May 3	10.46	Aug. 2	11.95	Nov. 1	11.96
Mar. 1	10.52	June 2	9.44	Sept. 1	12.30	Dec. 1	11.72
31	10.57	30	11.35	Oct. 1	12.32	30	11.55

838. City of Wichita. NE¼NW¼ sec. 33, T. 25 S., R. 3 W. Driven observation water-table well in medium sand, diameter 1¼ inches, depth 49 feet. Highest water level 17.01 below lsd, Oct. 2, 1951; lowest 26.91 below lsd, Nov. 5, 1940. Records available: 1938-53. No measurement made in 1954.

840. City of Wichita. NE¼ sec. 9, T. 25 S., R. 2 W. Drilled well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 233 feet. Highest water level 0.53 below lsd, Sept. 30, 1945; lowest 13.72 below lsd, Dec. 1, 30, 1954. Records available: 1938-50, 1952-54.

Aug. 4, 1952	8.70	Mar. 31, 1953	11.01	Dec. 1, 1953	12.32	July 1, 1954	12.98
Sept. 3	9.25	May 1	10.80	31	12.52	Aug. 2	13.16
30	9.65	June 2	11.20	Feb. 1, 1954	12.69	Sept. 1	13.20
Oct. 31	10.00	July 2	11.35	Mar. 2	12.82	30	13.42
Dec. 3	10.31	31	11.50	Apr. 2	12.96	Nov. 2	13.55
Jan. 2, 1953	10.52	Sept. 1	11.70	30	13.05	Dec. 1	13.72
Feb. 2	10.75	Oct. 2	11.89	June 2	12.92	30	13.72
Mar. 3	10.94	Nov. 3	12.13				

842. City of Wichita. NW¼NW¼ sec. 18, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 1¼ inches, depth 15 feet. Highest water level 1.39 below lsd, Oct. 4, 1945; lowest 9.44 below lsd, Nov. 1, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	8.74	May 3	8.50	Aug. 2	8.76	Nov. 1	9.44
Mar. 1	8.67	June 2	7.97	Sept. 1	9.13	Dec. 1	9.44
31	8.66	30	8.17	Oct. 1	9.36	30	9.43

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: 1939-54.

Feb. 1	16.71	May 3	16.07	Aug. 2	17.63	Nov. 1	17.44
Mar. 1	16.57	June 2	16.60	Sept. 1	17.50	Dec. 1	17.39
31	16.57	30	17.31	Oct. 1	17.71	30	17.29

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 9.52 below lsd, Dec. 1, 1954. Records available: 1939-54.

Feb. 1	7.40	May 3	6.82	Aug. 2	7.14	Nov. 1	7.98
Mar. 1	8.02	June 2	6.13	Sept. 1	7.43	Dec. 1	9.52
31	7.96	30	6.58	Oct. 1	7.73	30	8.81

1171. City of Wichita. NE¼NE¼ sec. 4, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 20 feet. Highest water level 9.78 below lsd, Oct. 2, 1951; lowest 28.78 below lsd, Sept. 30, 1954. Records available: 1950-54. Apr. 2, 18.07; July 1, 18.49; Sept. 30, 28.78; Dec. 30, 19.35.

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 21.85 below lsd, Dec. 30, 1954. Records available: 1950-54. Apr. 2, 20.15; July 1, 20.53; Sept. 30, 20.29; Dec. 30, 21.85.

3004. City of Wichita. SE¼ sec. 1, T. 25 S., R. 3 W. Driven observation water-table well in McPherson formation, diameter 1¼ inches, depth 20 feet. Highest water level 4.42 below lsd, July 9, 1951; lowest 11.10 below lsd, Dec. 30, 1954. Records available: 1949-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	10.54	May 3	10.26	Aug. 2	10.44	Nov. 1	10.99
Mar. 1	10.50	June 2	10.09	Sept. 1	10.68	Dec. 1	11.07
31	10.61	30	10.14	Oct. 1	10.86	30	11.10

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 14.55 below lsd, Dec. 30, 1954. Records available: 1950-54.

Feb. 1	13.07	Apr. 30	13.50	Aug. 2	13.72	Nov. 2	14.22
Mar. 2	13.25	June 2	13.49	Sept. 1	13.85	Dec. 1	14.35
Apr. 2	13.40	July 1	13.59	30	14.02	30	14.55

3041. City of Wichita. SE¼SE¼ sec. 3, T. 25 S., R. 3 W. Drilled observation water-table well in sand and gravel of Pleistocene age, depth 17 feet. Highest water level 10.50 below lsd, Apr. 3, 1953; lowest 13.01 below lsd, Nov. 1, 1954. Records available: 1953-54.

Apr. 3, 1953	10.50	Dec. 29, 1953	12.31	June 2, 1954	11.72	Sept. 30, 1954	13.00
Sept. 1	12.49	Feb. 1, 1954	12.24	30	11.94	Nov. 1	13.01
30	12.65	Mar. 1	12.36	Aug. 2	12.43	Dec. 1	12.97
Nov. 3	12.62	31	12.29	Sept. 1	12.78	30	12.96
Dec. 1	12.48	May 3	12.05				

3044. City of Wichita. SW¼SW¼ sec. 14, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel of Pleistocene age. Highest water level 8.25 below lsd, June 2, 1954; lowest 9.52 below lsd, Dec. 30, 1954. Records available: 1953-54.

Oct. 2, 1953	8.73	Feb. 1, 1954	8.88	June 2, 1954	8.25	Sept. 30, 1954	9.27
Nov. 3	8.89	Mar. 2	8.82	July 1	8.36	Nov. 2	9.12
Dec. 1	8.91	Apr. 2	8.78	Aug. 2	8.75	Dec. 1	9.43
31	8.90	30	8.79	Sept. 1	9.00	30	9.52

3045. Frisco RR. NW¼NW¼ sec. 13, T. 25 S., R. 2 W. Drilled observation water-table well in sand and gravel, diameter 6 inches, depth 65 feet. Highest water level 17.49 below lsd, June 25, 1954; lowest 18.58 below lsd, Nov. 30, Dec. 1, 1954. Records available: 1954. Recording gage installed June 16.

Daily lowest water level from recorder graph

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	17.56	.....	18.05	18.22	18.38	18.58
2	.....	17.54	17.82	18.03	18.20	18.38	18.57
3	.....	17.54	17.84	18.04	18.20	18.39	18.57
4	.....	17.55	17.85	18.04	18.21	18.39	18.57
5	.....	17.55	17.85	18.03	18.22	18.38	18.57
6	.....	17.55	17.86	18.04	18.23	18.38	18.56
7	.....	17.55	17.86	18.05	18.23	18.38	18.56
8	.....	17.57	17.86	18.06	18.23	18.38	18.56
9	.....	17.57	17.86	18.06	18.23	18.38	18.55
10	.....	17.58	17.86	18.04	18.24	18.38	18.54
11	.....	17.59	17.86	18.05	18.24	18.38	18.55
12	.....	17.60	17.87	18.08	18.24	18.38	18.54
13	.....	17.60	17.87	18.10	18.24	18.38	.....
14	.....	17.61	17.88	18.10	18.24	18.38	.....
15	.....	17.61	17.88	18.11	18.24	18.39	.....
16	17.58	17.63	16.89	18.12	18.25	18.40	.....
17	17.59	17.63	17.89	18.13	18.25	18.41	.....
18	17.55	17.64	17.89	18.14	18.26	18.42	.....
19	17.51	17.65	17.89	18.15	18.27	18.43	.....
20	17.50	17.65	17.89	18.16	18.28	18.45	.....
21	17.50	17.67	17.89	18.17	18.29	18.46	.....
22	17.56	17.67	17.89	18.17	18.30	18.47	.....
23	17.57	17.67	17.89	18.18	18.30	18.48	.....
24	17.57	17.68	17.90	18.18	18.31	18.50	.....
25	17.57	17.68	17.91	18.19	18.32	18.52	.....

3045--Continued.

Day	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	17.61	17.69	17.93	18.19	18.33	18.53	.....
27	17.62	.....	17.94	18.19	18.34	18.55	.....
28	17.61	.....	17.96	18.19	18.35	18.56	.....
29	17.61	.....	17.98	18.20	18.35	18.57	.....
30	17.60	.....	18.00	18.21	18.36	18.58	.....
31		.....	18.03		18.37		.....

3050. City of Wichita. SW¼SW¼ sec. 24, T. 25 S., R. 2 W. Driven observation water-table well in sand and gravel of Pleistocene age. Highest water level 6.47 below lsd, May 1, 1952; lowest 11.12 below lsd, Dec. 30, 1954. Records available: 1952-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 1, 1952	6.47	Mar. 2, 1953	9.26	Sept. 30, 1953	9.98	June 2, 1954	10.40
July 2	7.52	31	8.73	Nov. 3	10.12	30	10.43
Aug. 1	7.98	Apr. 1	9.35	Dec. 1	10.21	Aug. 2	10.60
Sept. 4	8.50	May 1	9.40	29	10.29	Sept. 1	10.69
Oct. 1	8.77	June 2	9.52	Feb. 1, 1954	10.40	Oct. 1	10.80
30	8.88	July 2	9.61	Mar. 1	10.46	Nov. 1	10.91
Dec. 4	9.00	31	9.73	31	10.54	Dec. 1	11.03
30	9.10	Sept. 1	9.86	May 3	10.50	30	11.12
Feb. 2, 1953	9.21						

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 27.77 below lsd, Dec. 31, 1954. Records available: 1939-54.

Feb. 1	25.16	Apr. 30	25.54	Aug. 2	26.30	Nov. 2	27.24
Mar. 2	24.47	June 1	24.75	Sept. 1	27.03	Dec. 1	27.75
Apr. 1	25.34	July 1	25.24	Oct. 1	27.25	31	27.77

M-27. City of Wichita. NW¼NW¼ sec. 2, T. 25 S., R. 2 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 215 feet. Highest water level 13.96 below lsd, July 8, 1949; lowest 85.0 below lsd, Dec. 1, 1954. Records available: 1947, 1949-54.

Feb. 1	49.5	Apr. 30	47.0	Aug. 2	44.0	Nov. 2	43.0
Mar. 2	48.0	June 1	46.0	Sept. 1	43.0	Dec. 1	85.0
Apr. 1	25.0	July 1	46.0	Oct. 1	46.0	31	84.0

M-27a. City of Wichita. NW¼NW¼ sec. 2, T. 25 S., R. 2 W. Drilled observation water-table well in alluvium and Meade formation, diameter 1¼ inches, depth 82 feet. Highest water level 15.12 below lsd, Sept. 2, 1949; lowest 31.05 below lsd, Dec. 1, 1954. Records available: 1947, 1949-54.

Feb. 1	27.09	Apr. 30	27.49	Aug. 2	28.38	Nov. 2	28.80
Mar. 2	27.06	June 1	27.50	Sept. 1	29.53	Dec. 1	31.05
Apr. 1	26.31	July 1	27.81	Oct. 1	28.79	31	30.86

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 29.59 below lsd, Dec. 31, 1954. Records available: 1947-54.

Feb. 1	26.29	Apr. 30	26.69	Aug. 2	27.60	Nov. 2	28.10
Mar. 2	26.23	June 1	26.69	Sept. 1	28.02	Dec. 1	29.50
Apr. 1	25.80	July 1	27.05	Oct. 1	28.01	31	29.59

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, 1949-54.

Feb. 1	26.5	Apr. 30	27.0	Aug. 2	81.5	Nov. 2	28.0
Mar. 2	26.5	June 1	27.0	Sept. 1	81.0	Dec. 1	29.0
Apr. 1	78.0	July 1	27.0	Oct. 1	80.0	31	26.0

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 30.19 below lsd, Aug. 2, 1954. Records available: 1947, 1949-54.

Feb. 1	27.04	Apr. 30	27.32	Aug. 2	30.19	Nov. 2	29.20
Mar. 2	26.93	June 1	27.77	Sept. 1	29.17	Dec. 1	29.46
Apr. 1	27.83	July 1	27.80	Oct. 1	29.86	31	29.67

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 29.82 below lsd, Dec. 1, 1954. Records available: 1947-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	26.43	Apr. 30	26.70	Aug. 2	26.32	Nov. 2	28.63
Mar. 2	26.28	June 1	27.11	Sept. 1	28.83	Dec. 1	29.82
Apr. 1	26.96	July 1	27.20	Oct. 1	29.00	31	29.08

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, 1949-54.

Feb. 1	54.0	Apr. 30	53.0	Aug. 2	52.0	Nov. 2	52.0
Mar. 2	25.0	June 1	52.0	Sept. 1	52.0	Dec. 1	51.0
Apr. 1	55.5	July 1	55.0	Oct. 1	27.0	31	50.0

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 35.62 below lsd, Nov. 2, Dec. 1, 1954. Records available: 1947, 1949-54.

Feb. 1	34.38	Apr. 30	34.31	Aug. 2	35.02	Nov. 2	35.62
Mar. 2	25.49	June 1	33.78	Sept. 1	35.43	Dec. 1	35.62
Apr. 1	34.64	July 1	35.22	Oct. 1	27.23	31	35.05

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 27.80 below lsd, Dec. 31, 1954. Records available: 1947-54.

Feb. 1	15.95	Apr. 30	16.53	Aug. 2	16.80	Nov. 2	27.78
Mar. 2	16.15	June 1	16.57	Sept. 1	16.85	Dec. 1	27.00
Apr. 1	16.30	July 1	16.65	Oct. 1	24.03	31	27.80

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 62.0 below lsd, Oct. 1, 1954. Records available: 1947, 1949-54.

Feb. 1	25.0	Apr. 30	24.0	Aug. 2	58.0	Nov. 2	59.0
Mar. 2	57.0	June 1	24.0	Sept. 1	59.0	Dec. 1	59.0
Apr. 1	24.0	July 1	25.0	Oct. 1	62.0	31	58.0

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 31.70 below lsd, Nov. 2, 1954. Records available: 1947, 1949-54.

Feb. 1	23.40	Apr. 30	23.70	Aug. 2	30.77	Nov. 2	31.70
Mar. 2	28.88	June 1	23.28	Sept. 1	31.51	Dec. 1	31.58
Apr. 1	22.88	July 1	24.15	Oct. 1	31.38	31	30.98

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 29.39 below lsd, Sept. 1, 1954. Records available: 1947-54.

Feb. 1	23.90	Apr. 30	24.20	Aug. 2	28.62	Nov. 2	29.20
Mar. 2	26.82	June 1	23.70	Sept. 1	29.39	Dec. 1	29.05
Apr. 1	23.15	July 1	24.65	Oct. 1	29.28	31	29.03

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, 1949-54.

Feb. 1	63.0	Apr. 30	61.0	Aug. 2	60.5	Nov. 2	59.5
Mar. 2	61.0	June 1	59.0	Sept. 1	61.0	Dec. 1	58.0
Apr. 1	26.5	July 1	63.0	Oct. 1	61.0	31	56.0

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 31.83 below lsd, Sept. 1, 1954. Records available: 1947, 1949-54.

Feb. 1	29.42	Apr. 30	29.79	Aug. 2	31.22	Nov. 2	31.48
Mar. 2	29.15	June 1	27.30	Sept. 1	31.83	Dec. 1	31.75
Apr. 1	24.24	July 1	30.18	Oct. 1	31.81	31	31.11

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 31.28 below lsd, Oct. 1, 1954. Records available: 1947-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	28.73	Apr. 30	29.17	Aug. 2	30.65	Nov. 2	31.00
Mar. 2	28.65	June 1	26.97	Sept. 1	31.24	Dec. 1	30.20
Apr. 1	25.72	July 1	29.46	Oct. 1	31.28	31	30.78

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 70.0 below lsd, July 1, 1954. Records available: 1947, 1949-54.

Feb. 1	25.5	Apr. 30	26.0	Aug. 2	29.0	Nov. 2	28.0
Mar. 2	65.0	June 1	67.0	Sept. 1	27.0	Dec. 1	29.0
Apr. 1	68.0	July 1	70.0	Oct. 1	27.0	31	28.0

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 27.35 below lsd, Dec. 1, 1954. Records available: 1947, 1949-54.

Feb. 1	23.99	Apr. 30	24.23	Aug. 2	27.12	Nov. 2	26.80
Mar. 2	24.80	June 1	26.07	Sept. 1	25.00	Dec. 1	27.35
Apr. 1	25.96	July 1	26.75	Oct. 1	26.14	31	24.68

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 27.93 below lsd, Dec. 1, 1954. Records available: 1947-54.

Feb. 1	25.02	Apr. 30	25.30	Aug. 2	27.20	Nov. 2	27.53
Mar. 2	25.17	June 1	26.02	Sept. 1	27.04	Dec. 1	27.93
Apr. 1	25.77	July 1	26.41	Oct. 1	27.22	31	27.72

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, Aug. 2, Oct. 1, 1954. Records available: 1947, 1949-54.

Feb. 1	70.0	Apr. 30	25.0	Aug. 2	75.0	Nov. 2	28.0
Mar. 2	24.0	June 1	68.0	Sept. 1	73.0	Dec. 1	73.0
Apr. 1	68.0	July 1	25.0	Oct. 1	75.0	31	69.0

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 27.15 below lsd, Dec. 31, 1954. Records available: 1947, 1949-54.

Feb. 1	24.10	Apr. 30	24.23	Aug. 2	25.33	Nov. 2	26.15
Mar. 2	23.88	June 1	24.56	Sept. 1	26.23	Dec. 1	26.87
Apr. 1	24.30	July 1	24.26	Oct. 1	26.58	31	27.15

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: 1947-54.

Feb. 1	21.98	Apr. 30	21.91	Aug. 2	23.15	Nov. 2	24.08
Mar. 2	21.92	June 1	23.40	Sept. 1	24.00	Dec. 1	24.72
Apr. 1	22.23	July 1	24.24	Oct. 1	24.35	31	24.98

M-34. City of Wichita. SW¼SW¼ sec. 6, T. 25 S., R. 1 W. Drilled public-supply water-table well in alluvium and Meade formation, diameter 18 inches, depth 150 feet. Highest water level 6.96 below lsd, July 8, 1949; lowest 63.0 below lsd, Sept. 1, 1954. Records available: 1947, 1949-54.

Feb. 1	57.0	Apr. 30	56.0	Aug. 2	61.0	Nov. 2	61.0
Mar. 2	24.5	June 1	56.0	Sept. 1	63.0	Dec. 1	61.0
Apr. 1	25.0	July 1	25.0	Oct. 1	61.5	31	57.0

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 30.96 below lsd, Dec. 1, 1954. Records available: 1947, 1949-54.

Feb. 1	28.40	Apr. 30	28.52	Aug. 2	29.97	Nov. 2	30.50
Mar. 2	24.37	June 1	27.87	Sept. 1	30.50	Dec. 1	30.96
Apr. 1	24.16	July 1	24.90	Oct. 1	30.75	31	30.81

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 27.49 below lsd, Dec. 1, 1954. Records available: 1947-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	23.49	Apr. 30	23.38	Aug. 2	24.65	Nov. 2	26.17
Mar. 2	23.81	June 1	23.83	Sept. 1	25.04	Dec. 1	27.49
Apr. 1	23.27	July 1	24.11	Oct. 1	26.09	31	26.74

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 56.0 below lsd, Aug. 2, Sept. 1, 1954. Records available: 1947, 1949-54.

Feb. 1	53.5	Apr. 30	27.0	Aug. 2	56.0	Nov. 2	28.0
Mar. 2	52.0	June 1	53.0	Sept. 1	56.0	Dec. 1	55.0
Apr. 1	27.0	July 1	28.0	Oct. 1	29.5	31	55.0

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 28.71 below lsd, Dec. 31, 1954. Records available: 1947, 1949-54.

Feb. 1	26.05	Apr. 30	26.54	Aug. 2	27.47	Nov. 2	27.43
Mar. 2	26.48	June 1	26.59	Sept. 1	28.08	Dec. 1	28.31
Apr. 1	26.47	July 1	27.07	Oct. 1	28.52	31	28.71

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 30.12 below lsd, Dec. 31, 1954. Records available: 1947-54.

Feb. 1	27.42	Apr. 30	26.32	Aug. 2	28.60	Nov. 2	27.75
Mar. 2	27.08	June 1	26.97	Sept. 1	28.45	Dec. 1	29.88
Apr. 1	26.10	July 1	27.22	Oct. 1	28.58	31	30.12

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: 1940-54.

Feb. 10	17.62	May 31	17.77	Aug. 11	18.80	Oct. 18	18.18
Mar. 17	17.67	June 21	17.62	Sept. 20	18.46	Dec. 20	18.00
Apr. 13	17.62	July 15	18.33				

106. Kansas City Life Insurance Co. SW¼SW¼ sec. 8, T. 32 S., R. 34 W. Drilled unused water-table well in Meade and Ogallala formations, diameter 5 inches, depth 212 feet. Highest water level 204.55 below lsd, Jan. 11, 1954; lowest 210.95 below lsd, Mar. 8, 1949. Records available: 1940-54. Jan. 11, 204.55; May 31, 205.99; Nov. 15, 207.79.

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: 1940-54.

Jan. 11	203.20	May 31	201.23	Aug. 11	198.73	Oct. 18	198.91
Mar. 17	198.91	June 21	198.91	Sept. 20	199.63	Nov. 15	202.45
Apr. 13	200.19	July 15	198.79				

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. 11, 120.65; Sept. 20, 120.18.

34-33-20ad. Formerly 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: 1953-54. Jan. 11, 105.03; Feb. 10, 104.90. Measurement discontinued.

Shawnee County

11-15-16c. State Board of Agriculture. Drilled observation water-table well in alluvium, diameter 18 inches, depth 47 feet. Highest water level 8.87 below lsd, July 16, 1951; lowest 29.77 below lsd, Dec. 31, 1954. Records available: 1950-54.

11-15-16c--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.57	28.50	27.80	27.86	28.01	28.27	27.59	27.85	28.09	28.31	28.60	28.62
2	27.58	27.71	27.81	27.86	28.02	28.27	27.58	27.85	28.09	28.31	28.60	28.63
3	27.59	27.71	27.81	27.86	28.03	28.27	27.57	27.85	28.09	28.32	28.60	28.63
4	27.59	27.72	27.81	27.86	28.04	28.26	27.56	27.87	28.10	28.33	28.61	28.63
5	27.59	27.72	27.81	27.86	28.05	28.25	27.55	27.88	28.10	28.34	28.61	28.64
6	27.60	27.73	27.81	27.86	28.05	28.24	27.55	27.89	28.10	28.35	28.61	28.64
7	27.60	27.73	27.81	27.86	28.06	28.22	27.55	27.90	28.10	28.36	28.61	28.64
8	27.60	27.73	27.81	27.87	28.07	28.20	27.56	27.91	28.10	28.37	28.61	28.64
9	27.60	27.73	27.81	27.87	28.08	28.18	27.56	27.92	28.11	28.38	28.61	28.64
10	27.61	27.74	27.81	27.88	28.09	28.15	27.57	27.93	28.11	28.39	28.62	28.65
11	27.62	27.75	27.82	27.89	28.10	28.13	27.57	27.95	28.11	28.40	28.62	28.65
12	27.62	27.75	27.82	27.90	28.11	28.11	27.59	27.95	28.11	28.40	28.62	28.65
13	27.62	27.75	27.83	27.90	28.12	28.09	27.60	27.96	28.12	28.41	28.62	28.65
14	27.62	27.75	27.83	27.90	28.13	28.05	27.61	27.97	28.12	28.43	28.62	28.65
15	27.62	27.75	27.84	27.91	28.14	28.02	27.63	27.98	28.14	28.44	28.62	28.67
16	27.64	27.75	27.84	27.92	28.15	27.99	27.65	27.99	28.15	28.45	28.62	28.68
17	27.64	27.75	27.84	27.93	28.15	27.95	27.65	28.00	28.15	28.46	28.62	28.68
18	27.65	27.76	27.83	27.94	28.15	27.92	27.66	28.01	28.16	28.48	28.62	28.69
19	27.65	27.77	27.82	27.95	28.16	27.88	27.67	28.01	28.17	28.49	28.62	28.70
20	27.65	27.77	27.83	27.95	28.17	27.85	27.70	28.02	28.19	28.50	28.62	28.71
21	27.66	27.77	27.83	27.96	28.17	27.81	27.71	28.03	28.21	28.51	28.62	28.71
22	27.67	27.77	27.83	27.96	28.18	27.79	27.72	28.04	28.23	28.52	28.62	28.72
23	27.67	27.77	27.83	27.97	28.19	27.75	27.74	28.04	28.24	28.53	28.61	29.72
24	27.68	27.77	27.83	27.97	28.19	27.72	27.75	28.05	28.25	28.54	28.61	29.73
25	27.68	27.78	27.83	27.98	28.20	27.69	27.76	28.05	28.25	28.54	28.61	29.74
26	27.69	27.79	27.84	27.98	28.20	27.67	27.77	28.05	28.27	28.55	28.61	29.74
27	27.69	27.79	27.85	27.99	28.21	27.65	27.78	28.06	28.27	28.55	28.61	29.75
28	27.69	27.79	27.85	27.99	28.22	27.63	27.80	28.06	28.28	28.56	28.61	29.75
29	27.69		27.85	28.00	28.23	27.62	27.80	28.07	28.29	28.57	28.62	29.75
30	27.69		27.85	28.01	28.25	27.60	27.82	28.08	28.30	28.58	28.62	29.76
31	27.70		27.86		28.26		27.83	28.08		28.59		29.77

11-16-5bc. C. C. Busey. Dug unused water-table well in White Cloud shale (of Condra, 1927), 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 measurements made in 1954.

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 108.19 below lsd, Nov. 22, 1954; lowest 108.41 below lsd, Feb. 16, 1953. Records available: 1952-54. Feb. 8, 108.26; May 3, 108.30; Aug. 9, 108.24; Nov. 22, 108.19.

8-26-17cb. Owner unknown. Drilled unused observation well in Ogallala formation, diameter 5 inches, depth 55 feet. Highest water level 47.41 below lsd, May 11, 1953; lowest 48.52 below lsd, Nov. 22, 1954. Records available: 1952-54. Feb. 8, 47.70; May 3, 47.53; Aug. 9, 48.23; Nov. 22, 48.52.

8-28-33dc. School District. Drilled unused school well in Ogallala formation, diameter 8 inches, depth 56 feet. Highest water level 48.35 below lsd, Aug. 7, 1952; lowest 50.99 below lsd, Nov. 22, 1954. Records available: 1952-54. Feb. 8, 49.92; May 3, 49.93; Aug. 9, 50.56; Nov. 22, 50.99.

Sherman County

8-37-28abb. Albert Vohs. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 125 feet. Highest water level 107.08 below lsd, Oct. 25, 1954; lowest 107.85 below lsd, Jan. 6, 1949. Records available: 1948-54. Apr. 28, 107.11; July 20, 107.10; Oct. 25, 107.08.

8-39-19caa. Wm. Hall. (City of Goodland). Drilled unused water-table well in sand and Ogallala formation, diameter 6 inches, depth 165 feet. Highest water level 118.13 below lsd, Apr. 24, 1951; lowest 154.79 below lsd, July 20, 1954. Records available: 1950-54. Jan. 13, 152.58; Apr. 28, 151.44; July 20, 154.79; Oct. 25, 151.57.

8-40-24baa. Victoria Van Drasek Estate. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 164 feet. Highest water level 135.54 below lsd, Apr. 21, 1953; lowest 137.41 below lsd, Jan. 8, 1951. Records available: 1948-54. Jan. 13, 136.52; Apr. 28, 136.22; July 20, 136.52; Oct. 25, 136.90.

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: 1948-54. Jan. 14, 118.10; Apr. 29, 118.17; July 21, 118.14; Oct. 25, 118.08.

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: 1945-54. Apr. 7, 41.65; Dec. 14, 42.08.

4-15-31bb. Wilbur Lala. Drilled stock observation water-table well in alluvium and terrace deposits, diameter 8 inches, depth 44 feet. Highest water level 25.56 below lsd, May 14, 1951; lowest 36.26 below lsd, Nov. 30, 1948. Records available: 1945-54. Apr. 7, 32.35; July 25, 32.05.

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: 1945-54. Apr. 7, 17.98; July 25, 18.33; Dec. 14, 19.83.

5-13-25cc. Zelma Carter. Drilled domestic 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. Measurement discontinued.

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: 1945-54. Apr. 7, 21.39; July 25, 22.00; Dec. 14, 22.67.

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: 1945-54. Apr. 7, 28.77; July 25, 29.48; Dec. 14, 30.08.

Stafford County

19. Atlantic Refining Co. SE¼SE¼ sec. 27, T. 21 S., R. 13 W. Drilled observation water-table well in Meade formation, diameter 6 inches, depth 63 feet. Highest water level 0.20 below lsd, Mar. 11, 1952; lowest dry, June 23, Dec. 21, 1954. Records available: 1942-54. Feb. 15, 2.12; Mar. 24, 1.20; May 26, 0.56; June 23, dry; Dec. 21, dry.

25-13-3bb. M. L. Halley. Driven unused water-table well in Meade formation, diameter 4 inches, depth 30 feet. Highest water level 2.75 below lsd, May 21, 1952; lowest 16.98 below lsd, Sept. 21, 1954. Records available: 1951-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	13.77	Apr. 19	14.34	July 12	15.36	Oct. 11	16.60
Feb. 15	13.99	May 26	14.45	Aug. 17	16.03	Nov. 17	16.50
Mar. 24	14.08	June 23	14.91	Sept. 21	16.98	Dec. 21	16.05

Stanton County

13. Leah Carrithers. NE¼SE¼ sec. 21, T. 27 S., R. 40 W. Drilled unused water-table well, diameter 5 inches, depth 55 feet. Highest water level 44.10 below lsd, May 26, 1953; lowest 51.83 below lsd, Apr. 3, 1940. Records available: 1939-54. Feb. 11, 46.87; June 1, 46.39; Aug. 12, 46.12; Nov. 16, 45.05.

93. J. Plummer. NE¼ sec. 11, T. 29 S., R. 41 W. Drilled observation water-table well in coarse gravel, diameter 8 inches, depth 234 feet. Highest water level 173.32 below lsd, Aug. 11, 1953; lowest 180.65 below lsd, Nov. 16, 1949. Records available: 1939-54. Feb. 11, 173.53; June 1, 173.78; Aug. 12, 173.33; Nov. 16, 174.90.

146. C. M. Harrison. SW¼SE¼ sec. 27, T. 30 S., R. 43 W. Drilled unused water-table well in Dakota formation, diameter 5 inches, depth 55 feet. Highest water level 31.54 below lsd, Nov. 29, 1951; lowest 46.30 below lsd, Apr. 22, May 14, June 18, 1940. Records available: 1939-51, 1953-54. May 26, 1953, 32.72; Aug. 11, 32.92; Nov. 19, 33.10; Feb. 11, 1954, 33.34; Aug. 12, 33.85; Nov. 16, 34.17.

Stevens County

12. Mack Greenwood. NW¼NE¼ 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 103.14 below lsd, Feb. 10, 1954; lowest 113.38 below lsd, July 28, 1942. Records available: 1942-54. Feb. 10, 103.14. Measurement discontinued.

33-36-26dd. R. Heger. Drilled unused irrigation well, diameter 16 inches, depth 360 feet. Highest water level 121.71 below lsd, Nov. 18, 1953; lowest 130.95 below lsd, Sept. 29, 1942. Records available: 1942, 1952-54. Feb. 10, 121.84.

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: 1942-54. Jan. 13, 124.50; Apr. 28, 125.39; July 20, 126.45; Oct. 25, 124.88.

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: 1942-54. Apr. 28, 114.26; July 20, 110.24; Oct. 25, 114.64.

33. Arch Ball. NW¼NW¼ sec. 7, T. 9 S., R. 33 W. Drilled unused water-table well in sand, diameter 6 inches, depth 137 feet. Highest water level 114.24 below lsd, Oct. 25, 1954; lowest 121.30 below lsd, Apr. 14, 1949. Records available: 1942-52, 1954. Jan. 13, 116.35; Oct. 25, 114.24.

8-34-2aa. U. S. Dept. of Agriculture and Kansas Agricultural Experiment Station. Drilled unused water-table well, depth 160 feet. Highest water level 112.31 below lsd, May 20, 27, 1954; lowest 114.65 below lsd, Jan. 27, 1949. Records available: 1947-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	112.76	Apr. 8	112.39	July 8	112.78	Oct. 7	113.37
7	112.79	15	112.58	15	112.89	14	113.49
14	112.79	22	112.46	22	113.10	21	113.41
21	112.75	29	112.45	29	113.00	28	113.44
28	112.69	May 6	112.45	Aug. 5	113.15	Nov. 4	113.40
Feb. 4	112.69	13	112.35	12	113.20	12	113.44
11	112.68	20	112.31	19	113.23	18	113.45
18	112.45	27	112.31	26	113.25	25	113.48
25	112.57	June 3	112.38	Sept. 2	113.28	Dec. 2	113.43
Mar. 4	112.50	10	112.38	9	113.35	9	113.48
11	112.35	17	112.55	16	113.36	16	113.59
18	112.43	24	112.60	23	113.35	23	113.51
25	112.56	July 1	112.69	30	113.42	30	113.47
Apr. 1	112.40						

Trego County

14-22-26da. U. S. Bureau of Reclamation. Drilled observation water-table well in terrace gravel, diameter 6 inches, depth 50 feet. Highest water level 26.90 below lsd, July 15, 1952; lowest 32.96 below lsd, Dec. 28, 1954. Records available: 1952-54.

July 15, 1952	26.90	Oct. 14, 1952	28.47	Jan. 13, 1953	29.29	Apr. 14, 1953	29.50
22	27.02	21	28.46	20	29.51	21	29.51
29	27.13	29	28.45	27	29.56	28	29.38
Aug. 5	27.23	Nov. 4	28.53	Feb. 3	29.47	May 5	29.90
12	27.41	11	28.81	10	29.70	12	30.00
18	27.44	18	29.12	17	29.65	19	29.82
26	27.50	25	28.80	24	29.55	26	30.00
Sept. 2	27.66	Dec. 2	28.97	Mar. 3	29.61	June 2	29.92
9	27.76	9	29.23	10	29.51	9	29.98
16	27.75	16	29.10	18	29.72	16	30.10
23	28.01	23	29.32	24	29.80	23	30.05
30	28.11	30	29.26	31	29.62	30	30.13
Oct. 7	28.31	Jan. 6, 1953	29.33	Apr. 7	29.49	July 7	30.13

14-22-26da--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 14, 1953	30.18	Dec. 1, 1953	30.72	Apr. 13, 1954	31.34	Aug. 24, 1954	31.58
21	30.22	8	30.90	20	31.36	31	31.64
28	30.19	15	30.92	27	31.54	Sept. 7	31.74
Aug. 4	30.36	22	31.23	May 4	31.48	14	31.82
11	30.32	30	30.96	11	31.52	21	32.07
18	30.35	Jan. 5, 1954	31.20	18	31.52	28	31.67
25	30.26	12	31.29	25	31.49	Oct. 5	32.10
Sept. 1	30.34	19	31.05	June 1	31.42	12	32.09
8	30.33	26	31.38	8	31.34	19	32.11
15	30.37	Feb. 2	31.22	15	31.25	26	31.25
22	30.46	9	31.17	22	31.31	Nov. 2	32.38
29	30.46	16	31.50	30	31.27	9	32.40
Oct. 6	30.57	23	31.39	July 6	31.14	16	32.21
13	30.58	Mar. 2	31.45	13	31.22	23	32.34
20	30.61	9	31.24	20	31.20	30	32.49
27	30.64	16	31.33	27	31.29	Dec. 7	32.49
Nov. 3	30.79	23	31.32	Aug. 3	31.31	14	32.67
10	30.70	30	31.38	10	31.44	21	32.77
17	30.70	Apr. 6	31.30	18	31.52	28	32.96
24	30.92						

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 29.08 below lsd, Apr. 17, 1954; lowest 43.11 below lsd, Mar. 16, 1950. Records available: 1949-54. Apr. 17, 29.08.

Wallace County

12-40-14bba. W. P. Kirkham. Drilled unused water-table well in Ogallala formation, diameter 6 inches, depth 21 feet. Highest water level 19.72 below lsd, July 20, 1949; lowest 21.84 below lsd, Oct. 25, 1954. Records available: 1948-54. Apr. 29, 20.35; July 21, 21.18; Oct. 25, 21.84.

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 21.83 below lsd, Jan. 14, 1954. Records available: 1948-54. Jan. 14, 21.83. Measurement discontinued.

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 88.62 below lsd, July 21, 1954. Records available: 1948-54. Jan. 14, 88.20; Apr. 29, 88.10; July 21, 88.62; Oct. 26, 88.32.

Wichita County

16-35-20cc. F. F. Miller. Drilled irrigation water-table well in Ogallala formation, diameter 18 inches, depth 189 feet. Highest water level 103.24 below lsd, May 7, 1951; lowest 116.47 below lsd, Oct. 26, 1954. Records available: 1951, 1953-54. May 7, 1951, 103.24; Dec. 30, 1953, 105.83; Feb. 3, 1954, 105.20; Oct. 26, 116.47; Dec. 24, 114.41.

16-37-13bb. C. Pearson. Drilled irrigation water-table well in Ogallala formation, depth 143 feet. Highest water level 77.65 below lsd, June 14, 1951; lowest 80.90 below lsd, Aug. 16, 1954. Records available: 1951, 1953-54. June 14, 1951, 77.65; Dec. 30, 1953, 78.80; Feb. 3, 1954, 78.70; Aug. 16, 80.90; Oct. 26, 80.32; Dec. 23, 78.97.

18-35-14bb. A. C. Felt. Drilled domestic observation water-table well in Ogallala formation, diameter 5 inches, depth 95 feet. Highest water level 81.33 below lsd, Aug. 11, 1949; lowest 83.37 below lsd, Oct. 12, 1949. Records available: 1947-54. Feb. 3, 82.63; Apr. 29, 82.68; June 10, 82.80; Aug. 16, 82.82; Oct. 26, 82.98; Dec. 23, 83.14.

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: 1947-54. Feb. 3, 94.38; Apr. 29, 94.36; June 10, 94.35; Aug. 16, 94.34; Oct. 26, 94.37; Dec. 23, 94.37.

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 1954.

Wyandotte County

101. U. S. Geol. Survey. NW¼SW¼NW¼ sec. 23, T. 11 S., R. 25 E. Drilled observation water-table well in alluvium, diameter 1¼ 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, 1950-54. Dec. 21, 39.28.

MINNESOTA

By Robert Schneider

Scope of Water-Level Program

The observation-well program in Minnesota was continued in 1954 in cooperation with the Division of Waters of the State Department of Conservation, the Iron Range Resources and Rehabilitation Commission, and the Board of County Commissioners of Hennepin County. Measurements were made in 26 wells, 11 of which were equipped with recording gages. Figures 14 to 18 show the location of observation wells in Minnesota.

Precipitation

The average precipitation for Minnesota for 1954, as reported by the U. S. Weather Bureau, was 24.67 inches or 0.53 inch below the average. Except for the northern third of the State and a few counties in the southwest, precipitation was generally above normal. The maximum positive departure from normal (19.25 inches) occurred in the east-central part of the State. The wettest month was June and the driest was December.

Interpretation of Water-Level Fluctuations

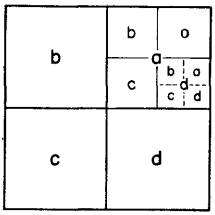
There was a net decline in 1954 in most of the water-table wells unaffected by pumping. The maximum decline was 1.90 feet in Morrison County well 130.29.8dcc.

Acknowledgments

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 segment of a well number indicates the township, the second the range, and the third the section in which the well is situated. The lowercase letters, a, b, c, and d, after the section number locate the well within the section; the first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. The letters are assigned in a counterclockwise direction, beginning in the northeast quarter. If the location is known within a 10-acre tract, three lowercase letters are shown in the well number. When more than one well is situated in the smallest significant tract, consecutive numbers beginning with 1 are added as suffixes. Well numbers preceded by the capital letter B designate wells in the northwest quadrant of the fourth principal meridian and baseline system. Well numbers not preceded by a capital letter designate wells in the northwest quadrant of the fifth principal meridian and baseline system.



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 12.71 below lsd, Nov. 13, 1950. Records available: 1942-54.

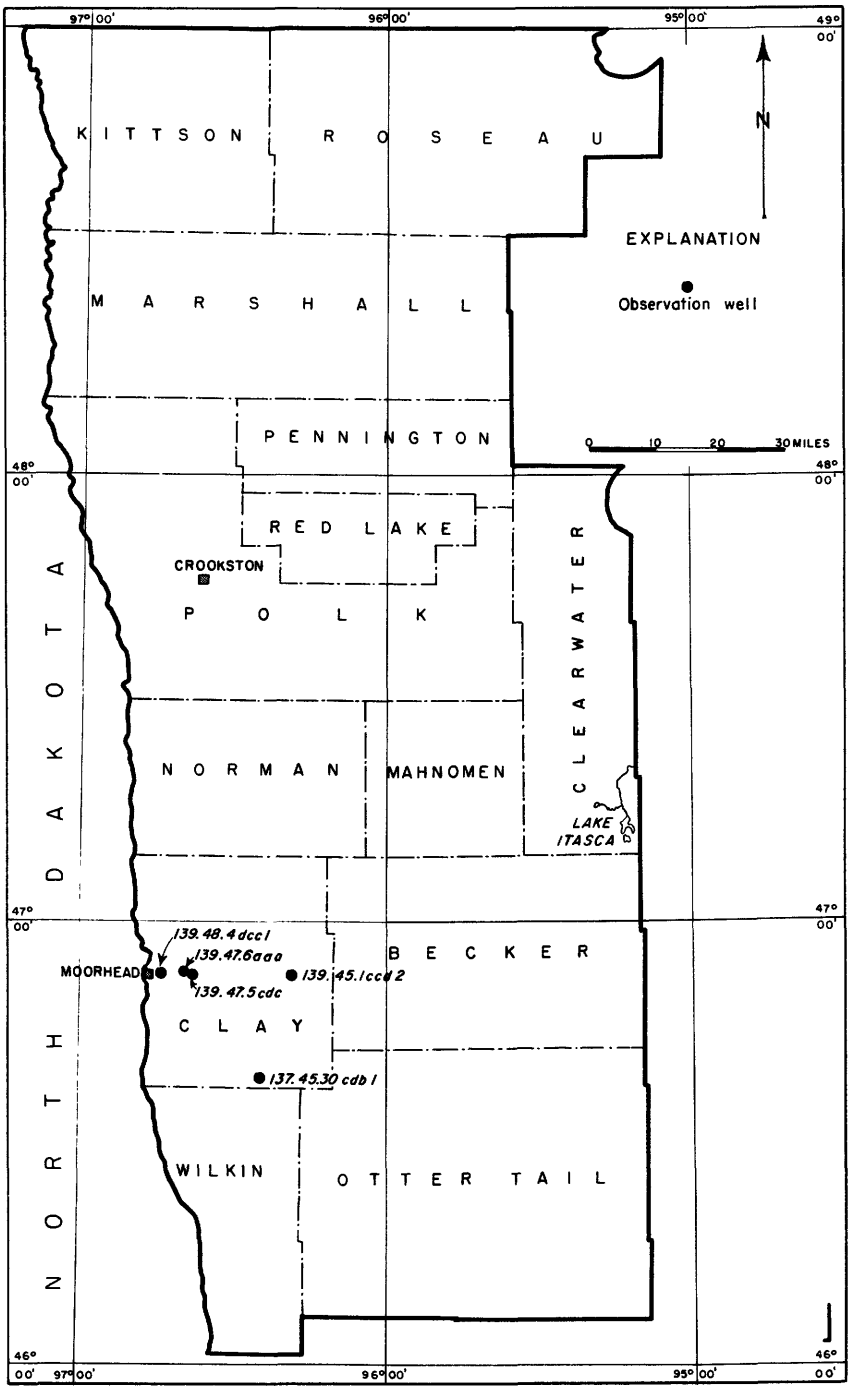


Figure 14. --Location of observation wells in Clay County, Minn., 1954.

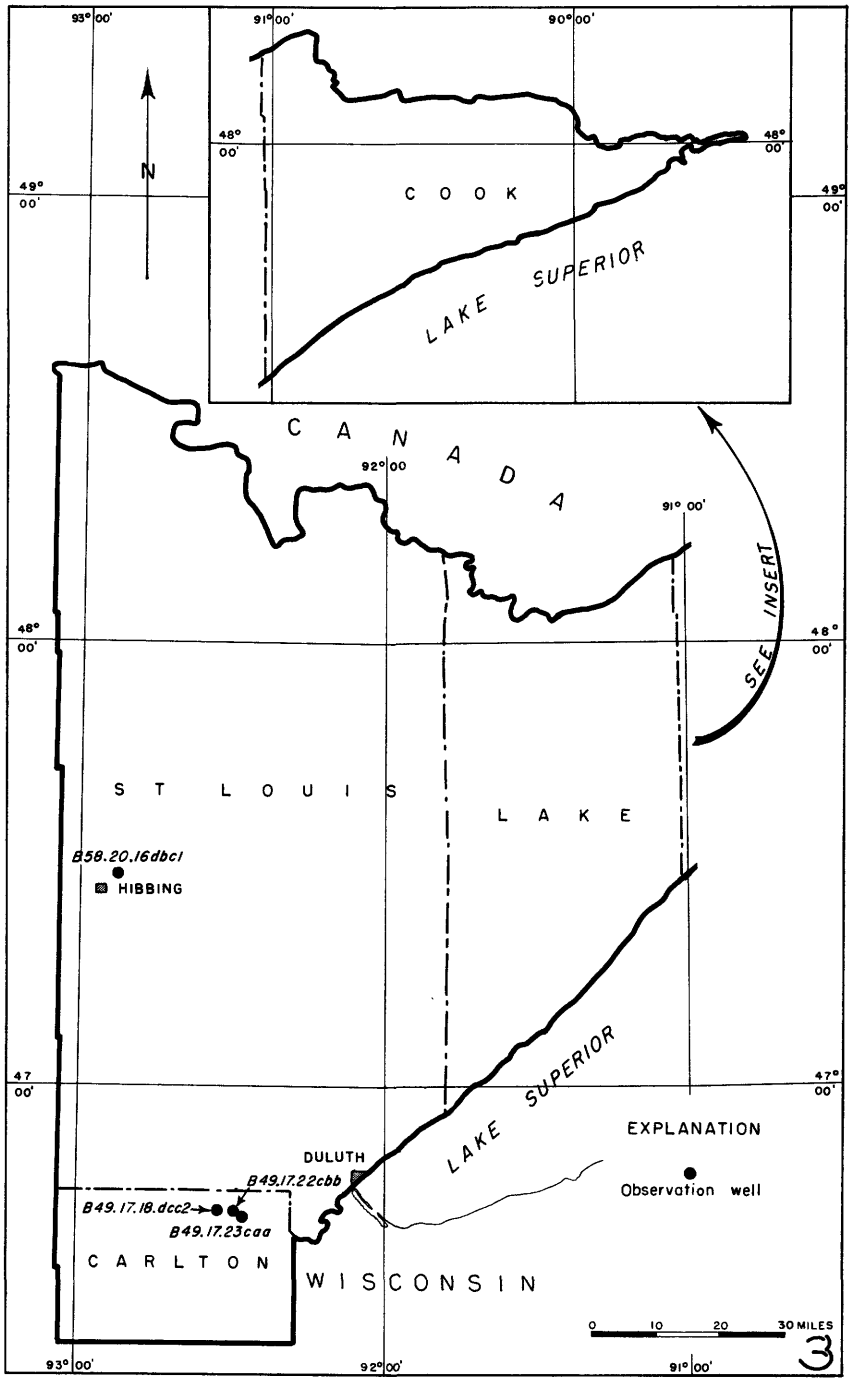


Figure 15.--Location of observation wells in Carlton and St. Louis Counties, Minn., 1954.

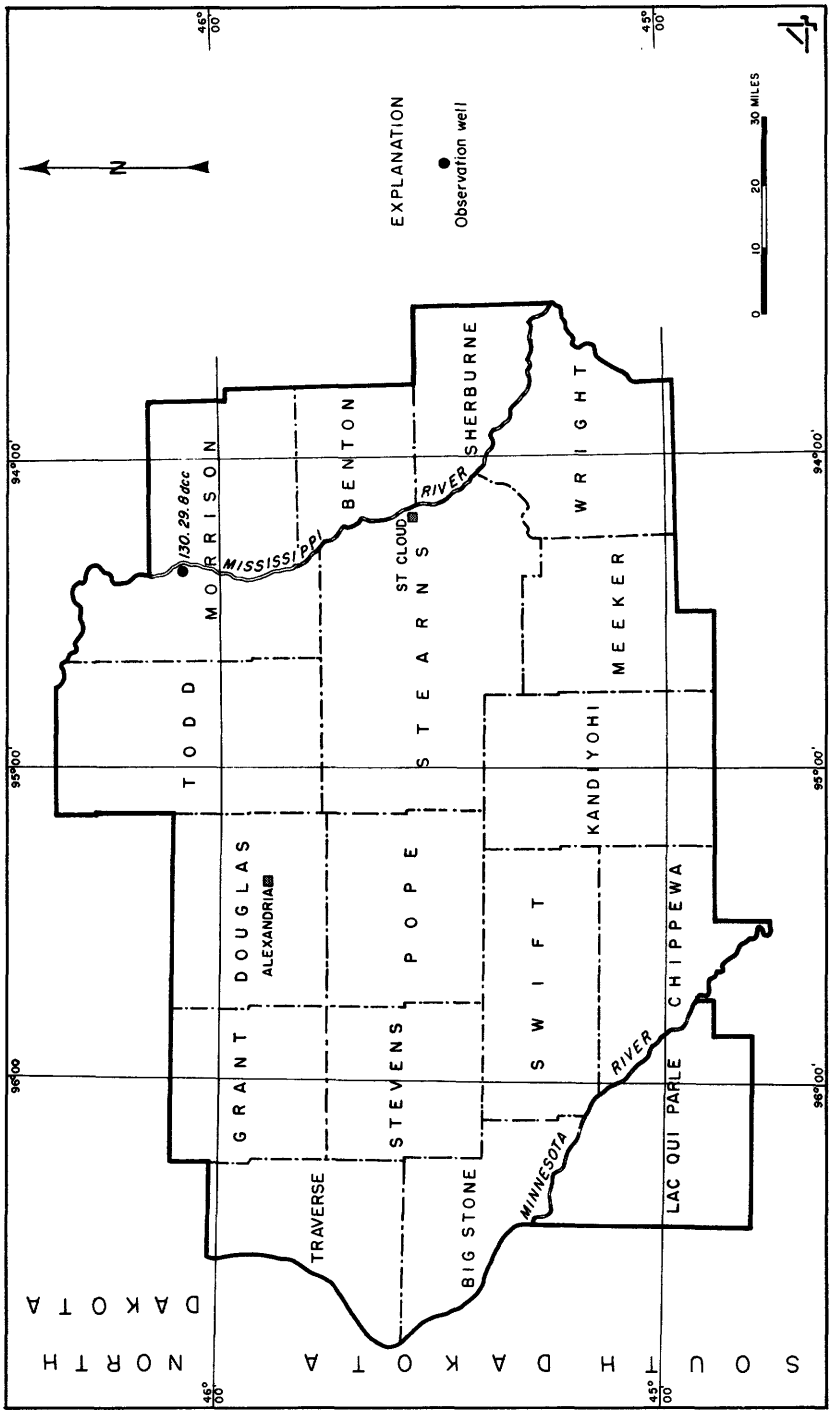


Figure 16.--Location of observation well in Morrison County, Minn., 1954.

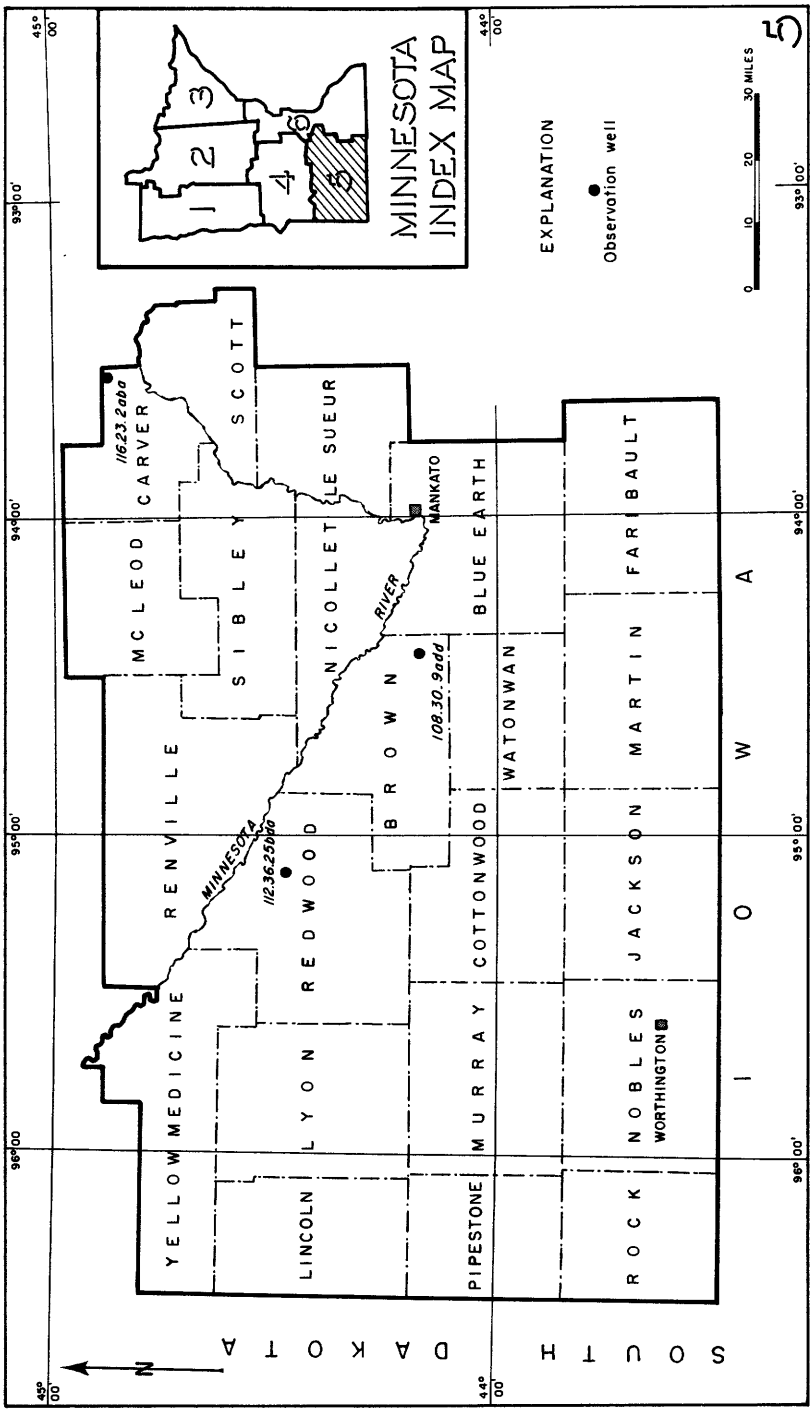


Figure 17.--Location of observation wells in Brown, Carver, and Redwood Counties, Minn., 1954.

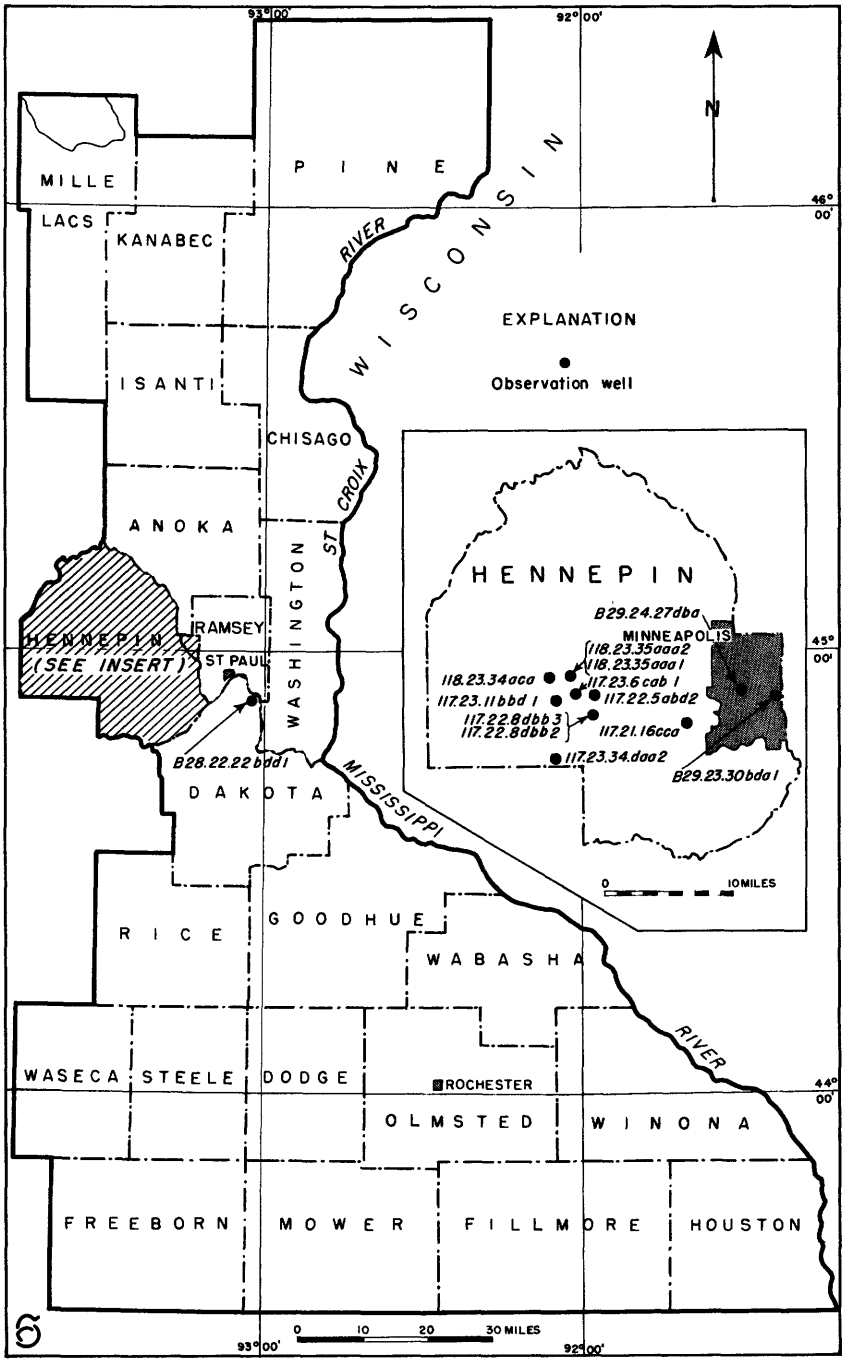


Figure 18.--Location of observation wells in Dakota and Hennepin Counties, Minn., 1954.

108. 30. 9add--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6	7.39	Apr. 20	5.37	July 13	5.55	Oct. 7	8.40
14	7.40	28	5.42	21	6.18	14	7.99
20	7.60	May 5	3.85	28	6.60	20	8.04
27	7.74	12	4.34	Aug. 3	6.87	27	8.10
Feb. 22	6.66	19	4.58	11	7.53	Nov. 5	8.11
Mar. 1	6.70	26	4.69	18	7.95	11	8.25
9	6.80	June 2	4.35	25	7.65	18	8.28
16	7.01	8	4.58	Sept. 1	7.73	29	8.53
23	5.06	15	4.85	9	8.23	Dec. 6	8.70
30	5.10	22	4.34	15	8.30	13	8.76
Apr. 6	5.24	30	4.84	22	7.70	21	8.94
13	5.25	July 7	5.15	29	8.09	28	9.14

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: 1949-54.

Jan. 6	8.60	Apr. 7	5.66	July 7	5.83	Oct. 6	7.52
13	8.62	14	5.39	14	5.66	14	7.12
19	8.65	21	5.42	21	6.59	21	7.18
26	8.76	28	5.42	28	7.11	27	7.05
Feb. 3	8.80	May 5	5.42	Aug. 4	7.13	Nov. 3	7.25
10	8.80	12	5.38	11	7.41	10	7.30
17	8.85	19	5.42	18	7.76	17	7.26
24	8.44	26	5.42	25	8.19	24	7.22
Mar. 3	8.25	June 2	5.42	Sept. 1	8.28	Dec. 1	7.22
10	8.30	9	5.43	8	8.10	8	7.30
17	8.43	16	5.38	15	7.63	15	7.32
24	7.34	23	5.43	22	7.45	22	7.58
Apr. 1	7.12	30	5.40	27	7.60	29	7.72

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: 1949-54.

Jan. 2	31.10	Apr. 9	32.29	July 10	32.18	Oct. 9	32.13
9	31.09	17	32.27	17	32.15	16	32.22
16	31.11	24	32.33	24	32.23	26	32.23
23	31.16	May 1	32.23	31	32.09	30	32.26
30	31.24	8	32.39	Aug. 6	32.12	Nov. 6	32.29
Feb. 5	31.33	15	31.59	14	32.01	13	32.39
13	31.39	22	32.45	21	32.03	20	32.43
20	31.38	28	32.34	28	32.05	27	32.47
26	31.48	June 4	32.42	Sept. 4	32.05	Dec. 4	32.31
Mar. 5	31.46	12	31.67	11	31.99	11	32.31
12	31.63	19	32.45	18	31.94	18	32.59
20	31.71	26	32.36	25	32.07	24	32.61
27	31.82	July 3	32.34	Oct. 2	32.07	31	32.67
Apr. 3	31.89						

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: 1948-54.

Jan. 18	6.58	Apr. 12	6.22	July 12	5.32	Oct. 4	5.94
25	6.82	19	6.17	19	5.56	12	5.84
Feb. 1	6.74	26	5.95	26	5.57	19	6.02
8	6.76	May 10	5.65	Aug. 2	5.33	25	6.12
15	6.85	17	5.79	9	5.62	Nov. 2	6.24
22	6.24	24	5.93	23	5.76	8	6.35
Mar. 1	6.46	June 1	6.36	30	5.89	15	6.34
8	6.51	7	5.62	Sept. 7	5.79	30	6.60
15	6.70	14	5.43	13	5.75	Dec. 13	6.70
22	6.26	21	5.22	20	5.64	20	6.87
29	6.42	28	5.44	27	5.85	27	6.98
Apr. 5	6.59	July 6	5.40				

Carver County

116. 23. 2aba. Hennepin County Highway Department. Drilled artesian well in sandstones of Late Cambrian and Early Ordovician age, diameter 24 inches, depth 473 feet, cased to 191. Highest water level 45. 30 below lsd, Nov. 27, 1954; lowest 52. 35 below lsd, Aug. 7, 1954. Records available: 1952-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	46. 65	Apr. 10	46. 48	July 10	47. 48	Oct. 7	46. 09
11	46. 85	16	46. 40	17	47. 88	14	45. 58
18	46. 53	24	46. 49	24	48. 54	21	45. 86
23	46. 52	May 1	46. 51	31	48. 75	28	45. 50
30	46. 99	8	46. 40	Aug. 7	52. 35	Nov. 4	45. 82
Feb. 6	46. 90	15	46. 62	14	47. 40	11	46. 10
13	46. 38	22	47. 03	21	46. 86	18	45. 80
20	46. 27	29	47. 03	28	46. 45	27	45. 30
27	46. 40	June 5	47. 04	Sept. 4	46. 10	Dec. 4	45. 68
Mar. 6	46. 50	12	47. 56	11	46. 03	11	45. 92
20	46. 68	19	47. 84	17	45. 73	18	45. 80
27	46. 45	26	47. 68	24	45. 61	23	45. 65
Apr. 3	46. 88	July 3	47. 70	30	45. 81	30	45. 83

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: 1949-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	6. 67	Apr. 10	5. 76	July 10	5. 78	Oct. 9	6. 21
9	6. 70	17	5. 74	17	6. 03	16	6. 08
16	6. 74	24	5. 72	24	6. 07	23	6. 07
23	6. 58	May 1	5. 52	31	5. 92	30	6. 05
30	6. 62	8	5. 35	Aug. 7	5. 96	Nov. 6	6. 13
Feb. 6	6. 62	15	5. 34	14	6. 21	13	6. 20
13	6. 72	22	5. 52	21	6. 28	20	6. 23
19	6. 52	29	5. 56	29	6. 22	27	6. 23
27	6. 52	June 5	5. 71	Sept. 4	6. 29	Dec. 4	6. 26
Mar. 6	6. 32	12	5. 14	11	5. 99	11	6. 31
13	6. 24	19	5. 29	18	5. 92	18	6. 34
20	5. 93	26	5. 52	25	5. 92	24	6. 36
27	5. 82	July 3	5. 67	Oct. 2	6. 12	31	6. 39
Apr. 3	5. 83						

139. 45. 1ccd2. Village of Hawley. Drilled unused water-table well in glacial drift, diameter 10 inches, depth 122 feet. Highest water level 12. 73 below lsd, Apr. 12, 1952; lowest 18. 61 below lsd, Dec. 24, 1954. Records available: 1949-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15. 91	16. 35	15. 92	15. 10	14. 75	15. 83	15. 94	16. 12	16. 52	16. 72	16. 30	16. 56
2	16. 29	16. 12	15. 70	15. 19	14. 23	15. 63	.....	16. 53	16. 59	16. 83	16. 11	16. 58
3	15. 89	16. 17	16. 11	15. 42	14. 58	15. 42	.....	16. 43	16. 55	16. 43	16. 28	16. 60
4	16. 37	16. 72	15. 98	14. 97	14. 42	15. 74	.....	16. 68	16. 48	16. 77	.....	16. 83
5	16. 26	16. 32	16. 03	15. 58	14. 83	15. 90	.....	16. 37	16. 14	16. 88	.....	16. 42
6	16. 36	16. 28	16. 33	15. 13	14. 43	15. 50	.....	16. 68	16. 08	16. 95	.....	16. 71
7	16. 21	15. 89	15. 83	15. 27	14. 74	15. 77	.....	16. 69	16. 55	16. 85	.....	16. 61
8	16. 45	16. 36	16. 04	14. 95	14. 82	15. 73	.....	16. 28	16. 38	16. 87	.....	16. 80
9	16. 37	16. 08	15. 98	14. 84	14. 52	15. 83	.....	16. 74	15. 92	16. 83	.....	16. 91
10	16. 35	16. 45	16. 20	14. 37	14. 88	15. 57	.....	16. 55	16. 25	16. 45	.....	16. 88
11	16. 56	16. 18	15. 92	13. 84	14. 91	15. 91	.....	16. 60	16. 12	17. 19	.....	17. 25
12	16. 32	16. 17	15. 98	14. 12	15. 14	15. 97	.....	16. 49	15. 85	16. 40	.....	16. 48
13	16. 52	16. 25	16. 21	13. 87	15. 10	15. 53	.....	16. 57	16. 62	16. 64	.....	16. 83
14	16. 29	15. 83	15. 71	14. 20	15. 02	16. 43	.....	16. 78	16. 55	16. 38	.....	16. 73
15	16. 50	16. 57	16. 03	14. 32	15. 05	16. 20	.....	16. 24	16. 69	16. 33	.....	16. 72
16	16. 58	16. 18	15. 81	14. 38	14. 64	16. 07	.....	16. 59	16. 68	16. 40	.....	16. 73
17	16. 59	16. 42	16. 05	14. 61	15. 48	.....	.....	16. 47	16. 80	16. 16	16. 36	16. 77
18	16. 76	16. 08	15. 68	14. 23	15. 11	.....	.....	16. 68	17. 29	16. 34	16. 42	16. 99
19	16. 45	15. 92	15. 80	15. 00	15. 36	.....	.....	16. 46	16. 73	16. 36	16. 40	16. 41
20	16. 57	16. 13	16. 12	14. 80	15. 02	.....	.....	16. 95	17. 07	16. 32	16. 62	16. 55

139. 45. 1ccd2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	16. 46	15. 52	15. 28	14. 95	15. 30	.....	.....	17. 07	16. 92	16. 32	16. 23	16. 70
22	16. 75	15. 92	15. 83	14. 84	15. 58	.....	16. 52	16. 52	16. 93	16. 32	16. 57	17. 76
23	16. 45	15. 93	15. 54	15. 08	15. 07	16. 02	16. 82	16. 62	16. 67	16. 47	16. 63	16. 67
24	16. 12	16. 17	15. 71	15. 33	15. 61	15. 77	16. 83	16. 42	16. 73	16. 04	16. 55	18. 61
25	16. 67	15. 90	15. 29	14. 70	15. 58	16. 18	16. 51	16. 57	16. 75	16. 32	16. 21	16. 43
26	16. 32	16. 00	15. 28	15. 17	15. 84	16. 17	16. 85	16. 60	16. 52	16. 19	16. 53	16. 43
27	16. 65	16. 28	15. 28	14. 72	15. 57	15. 98	16. 46	16. 75	16. 84	16. 32	16. 88	16. 63
28	16. 28	15. 55	14. 80	14. 81	15. 45	16. 39	16. 55	17. 03	16. 73	16. 33	16. 23	16. 82
29	16. 45		15. 38	14. 65	15. 63	15. 97	16. 23	16. 28	16. 92	16. 23	16. 70	18. 05
30	16. 31		15. 26	14. 53	15. 12	16. 15	16. 33	16. 63	16. 93	16. 35	16. 62	17. 81
31	16. 00		15. 46		15. 27		16. 58	16. 46		15. 95		17. 38

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 25. 39 below lsd, July 22, 1954. Records available: 1947-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	23. 38	23. 48	23. 48	23. 67	24. 10	24. 91	24. 90	24. 99	24. 96	24. 95	25. 06
2	.....	23. 39	23. 35	23. 50	23. 67	24. 15	24. 75	24. 82	25. 08	24. 91	24. 95	25. 04
3	23. 35	23. 45	23. 43	23. 42	23. 57	24. 24	24. 61	24. 86	25. 19	24. 83	25. 03	25. 16
4	23. 34	23. 45	23. 43	23. 42	23. 54	24. 37	h24. 15	24. 84	25. 03	24. 92	25. 00	25. 15
5	23. 43	23. 44	23. 50	23. 45	23. 59	24. 41	24. 58	24. 86	24. 88	24. 95	25. 05	25. 08
6	23. 43	23. 40	23. 50	23. 46	23. 60	24. 44	24. 78	24. 90	24. 77	24. 95	25. 04	25. 04
7	23. 46	23. 33	23. 45	23. 56	23. 63	24. 41	24. 85	24. 91	24. 90	24. 94	25. 04	25. 08
8	23. 45	23. 32	23. 42	23. 56	23. 63	24. 36	24. 97	24. 91	24. 86	24. 96	25. 08	25. 10
9	23. 51	23. 39	23. 52	23. 53	23. 63	24. 48	24. 99	24. 92	24. 83	24. 98	25. 10	25. 08
10	23. 43	23. 43	23. 51	23. 53	23. 81	24. 44	25. 00	24. 99	24. 86	24. 84	25. 14	25. 12
11	23. 51	23. 39	23. 53	23. 43	23. 94	24. 43	25. 04	24. 96	24. 77	24. 95	25. 17	25. 08
12	23. 51	23. 34	23. 50	23. 39	24. 04	24. 49	25. 04	25. 06	24. 84	25. 00	25. 14	24. 99
13	23. 52	23. 37	23. 51	23. 44	24. 11	24. 48	25. 14	25. 15	24. 83	25. 00	25. 14	25. 10
14	23. 49	23. 29	23. 42	23. 44	24. 03	24. 49	25. 24	25. 21	24. 82	24. 95	25. 04	25. 15
15	23. 52	23. 44	23. 53	23. 47	24. 05	24. 51	25. 24	25. 21	24. 86	25. 01	25. 02	25. 15
16	23. 39	23. 35	23. 53	23. 38	.....	24. 55	25. 24	25. 00	24. 86	25. 01	25. 02	25. 12
17	h23. 37	23. 30	23. 59	23. 43	24. 04	24. 58	25. 18	24. 91	24. 97	24. 93	25. 11	25. 17
18	23. 38	23. 28	23. 59	23. 40	24. 12	24. 57	25. 20	24. 92	24. 85	24. 96	25. 08	25. 15
19	23. 47	23. 38	23. 62	23. 45	24. 22	24. 62	25. 21	24. 93	24. 79	25. 00	25. 07	25. 08
20	23. 41	23. 35	23. 56	23. 51	24. 20	24. 53	25. 32	24. 97	24. 87	25. 01	25. 05	25. 16
21	23. 33	23. 33	23. 49	23. 71	24. 34	24. 56	25. 37	24. 92	24. 89	25. 07	24. 95	25. 14
22	23. 28	23. 38	23. 47	23. 92	24. 37	24. 61	25. 39	24. 93	24. 90	25. 09	24. 94	25. 09
23	23. 33	23. 41	23. 51	23. 77	24. 32	24. 68	25. 14	24. 90	24. 90	25. 11	25. 06	25. 13
24	23. 22	23. 45	23. 45	23. 85	24. 18	24. 74	25. 19	25. 08	24. 96	25. 05	25. 11	25. 09
25	23. 28	23. 43	23. 52	23. 85	24. 31	24. 81	25. 20	25. 15	25. 02	25. 04	25. 01	24. 99
26	23. 23	23. 45	23. 52	23. 78	24. 28	24. 85	25. 19	25. 11	25. 00	25. 03	24. 96	24. 97
27	23. 30	23. 50	23. 51	23. 79	24. 28	24. 87	25. 03	25. 08	24. 97	25. 01	25. 01	25. 05
28	23. 30	.....	.....	23. 79	24. 33	24. 95	24. 99	25. 01	24. 97	25. 08	24. 98	25. 05
29	23. 41		23. 46	23. 72	24. 35	24. 97	24. 99	24. 86	25. 02	25. 07	25. 01	25. 03
30	23. 36		23. 46	23. 73	.....	24. 88	24. 97	24. 73	24. 97	25. 03	25. 05	24. 97
31	23. 27		23. 47		.....		24. 92	24. 91		24. 89		24. 98

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 23. 18 below lsd, Dec. 26, 1954. Records available: 1949-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	21. 98	Feb. 21	22. 12	Apr. 11	22. 00	May 31	22. 15
10	22. 04	Mar. 1	22. 18	18	21. 96	June 6	22. 24
17	22. 10	7	22. 22	25	21. 99	13	22. 29
24	21. 70	14	22. 22	May 1	22. 03	20	22. 33
Feb. 1	22. 09	21	22. 08	8	22. 01	27	22. 39
7	22. 14	31	22. 01	16	22. 07	July 4	22. 44
14	22. 15	Apr. 4	22. 10	23	22. 15	11	22. 48

139. 47. 6aaa--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 18	21.55	Aug. 29	22.77	Oct. 10	22.88	Nov. 21	23.06
25	22.60	Sept. 6	22.76	17	22.79	28	23.08
Aug. 1	22.63	12	22.79	24	22.95	Dec. 5	22.90
8	22.66	19	22.73	31	22.97	12	23.14
15	22.72	26	22.84	Nov. 7	23.01	19	23.16
22	22.73	Oct. 3	22.82	14	23.04	26	23.18

139. 48. 4dcc1. City of Moorhead. Drilled unused artesian well in glacial sand, diameter 20 inches, depth 242 feet. Highest water level 164.75 below lsd, Dec. 31, 1954; lowest 167.50 below lsd, Aug. 29, 1948. Records available: 1947-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	167.84	167.45	167.55	167.05	167.28	166.50	167.83	168.67	168.52	167.52	167.26	166.89
2	167.81	167.52	168.10	167.26	167.28	166.41	167.74	168.63	168.72	167.20	167.29	166.73
3	167.61	167.48	.....	167.31	166.98	166.63	167.63	168.74	168.98	167.4	166.93	166.16
4	168.04	167.51	.....	167.00	167.01	166.63	167.53	168.98	168.25	167.7	166.94	166.23
5	168.41	167.71	.....	166.79	166.76	166.70	167.59	169.22	.....	167.7	166.70	166.58
6	168.42	167.44	.....	166.55	166.68	166.75	.....	169.19h	167.64	167.8	166.63	166.52
7	167.96	167.30h	167.50	167.66	166.97	166.15	168.00	168.98	168.38	167.7	166.88	166.12
8	167.94	167.30	167.07	167.18	166.98	166.15	168.22	168.97	168.00	167.3	167.01	165.97
9	168.32	167.20	166.87	166.98	167.20	166.64	168.25	168.92	168.00	167.1	167.01	166.26
10	168.32	167.50	166.75	167.38	167.20	166.68	168.15	169.20	167.91h	166.46	166.92	166.52
11	168.3	168.28	166.90	167.41	166.90	166.54	168.31	169.18	168.02	.....	167.25	166.71
12	168.3	167.72	167.03	167.32	166.85	166.38	168.55	169.21	168.11	.....	167.25	166.71
13	167.7	167.71	167.16	167.13	166.63	166.46	168.83	169.16	167.86	.....	166.89	165.98
14	167.3	166.44	167.16	167.11	166.61	166.63	169.10	169.33	167.81	.....	166.65	166.04
15	168.0	167.37	167.46	167.37	.....	166.59	169.20	169.33	167.81	.....	166.19	166.05
16	168.2	167.57	167.29	167.27h	166.52	166.68	169.25	169.11	167.75	.....	166.15	165.98
17	168.2	167.61	166.89	167.12	166.78	166.82	169.09	168.97	167.60h	167.26	166.44	166.07
18	167.62	167.28	166.62	167.4	166.76	167.12	169.12	168.55	167.51	.....	166.48	166.04
19	167.92	167.31	167.10	168.0	166.97	167.01	169.19	168.63	167.29	.....	166.46	166.10
20	168.49	166.88	166.95	167.6	166.83	166.65	169.43	168.42	167.69	.....	166.41	165.84
21	168.51	167.21	166.88	167.7	167.23	166.70	169.54	168.50	168.21	.....	166.53	165.92
22	167.82	166.96	166.74	167.7	167.25	166.66	169.68	168.30	168.15	.....	166.45	165.64
23	167.42	166.99	166.76	167.3	166.68	167.00	169.42	168.38	167.84	.....	166.25	166.04
24	167.48	166.81	166.72	167.2	167.33	167.60	169.60	168.14	167.81h	166.87	166.36	166.04
25	167.85	166.83	167.20	167.2	167.35	167.81	169.60	168.18	167.51h	167.26	166.38	165.92
26	168.22	166.46	167.23	166.86	167.15	168.15	169.60	168.52	167.24	.....	166.00	165.98
27	168.20	167.01	167.17	166.88	166.56	168.17	169.33	168.77	167.58	.....	165.87	166.53
28	168.17	166.98	.....	166.57	166.17	167.97	169.22	168.32	166.99	166.61	165.92	166.24
29	167.95		.....	166.95	166.38	168.15	169.22	168.47	167.56	.....	166.76	166.08
30	167.67		.....	167.00	166.32	168.20	169.18	168.65	167.57	.....	166.77	166.22
31	167.50		h166.75		h166.22		168.82	168.51		h166.30		165.89

h Tape measurement.

Dakota County

B28. 22. 22bdd1. Chicago & Great Western Ry. Co. Drilled unused artesian well in Jordan sandstone, diameter 10 inches, reported depth 300 feet. Highest water level 8.00 below lsd, Apr. 14, 1952; lowest 18.19 below lsd, Feb. 1, 1952. Records available: 1951-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.65	16.01	16.03	15.19	13.45	13.80	14.58	15.82	14.52	15.22	14.80	15.19
2	15.44	16.18	16.23	15.35	13.02	13.73	14.42	15.98	14.47	15.00	14.82	15.26
3	15.20	16.23	16.31	15.10	12.57	13.70	14.33	16.00	15.43	.....	.....	15.25
4	15.75	16.35	16.28	14.93	12.55	13.74	13.92	16.09	15.23	.....	.....	14.92
5	15.97	16.38	16.21	15.14	12.40	13.82	13.79	16.25	14.90	.....	.....	14.67
6	15.99	16.27	15.97	15.15	12.47	13.49	14.11	16.37	14.88	.....	.....	15.20
7	15.98	15.85	15.55	15.45	12.31	13.97	14.37	16.19	15.02	.....	.....	15.22
8	16.04	16.10	15.78	15.27	12.12	14.38	14.57	16.07	15.07	.....	.....	15.32
9	15.62	16.23	15.88	15.26	11.90	14.73	14.66	16.22	15.11	.....	.....	15.38
10	15.32	16.37	15.97	14.88	12.33	14.88	14.33	16.41	15.37	.....	.....	15.33

B28.22.22bdd1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	15.84	16.43	15.98	14.68	12.50	15.27	14.26	16.48	15.17	.....	.....	15.10
12	15.99	16.23	15.98	15.07	12.69	15.32	14.66	16.56	14.97	.....	h13.83	14.65
13	15.95	15.85	15.68	15.11	13.03	15.01	15.08	16.50	15.20	.....	14.82	15.03
14	16.01	15.68	15.53	15.06	13.25	15.02	15.38	16.46	15.30	.....	14.47	15.27
15	15.98	16.15	15.83	15.02	13.07	15.30	15.59	16.47	15.28	.....	14.68	15.22
16	15.56	16.36	15.87	14.83	13.08	15.40	15.55	16.20	15.17	.....	14.97	15.17
17	15.38	16.28	15.82	14.41	13.54	15.54	15.47	16.17	15.13	.....	15.10	14.97
18	15.83	16.24	15.73	14.24	13.92	15.40	15.72	16.14	15.04	h14.14	14.99	14.57
19	15.96	16.22	15.60	14.62	14.01	15.03	15.94	16.23	15.00	15.18	14.83	14.42
20	16.05	15.90	15.41	14.89	14.33	14.25	16.33	16.23	15.29	15.24	14.62	14.72
21	16.10	15.67	15.10	14.81	14.26	14.29	16.44	16.07	15.35	15.13	14.53	14.78
22	15.97	15.59	15.18	14.85	14.41	14.77	16.52	15.83	15.29	15.10	14.78	14.77
23	15.48	15.87	15.41	14.78	14.04	14.63	16.18	15.97	15.28	14.96	14.92	14.83
24	15.47	16.01	15.25	14.45	14.31	14.58	15.92	15.96	15.18	14.79	14.93	14.55
25	15.78	16.07	15.13	14.46	14.34	14.63	16.03	15.95	14.93	15.01	14.55	14.40
26	15.96	15.97	15.19	14.87	14.45	14.35	16.32	15.98	14.82	15.02	14.60	14.37
27	16.05	15.83	14.73	14.77	14.25	14.26	16.54	15.70	15.35	14.91	14.55	14.62
28	16.12	15.78	14.49	14.55	14.23	14.37	16.39	15.55	15.22	14.93	14.52	14.67
29	16.24		14.88	14.46	14.17	14.34	16.58	15.27	15.33	14.96	15.03	14.70
30	15.82		15.20	14.20	14.12	14.45	16.50	15.63	15.22	14.63	15.08	14.70
31	15.58		15.20		13.86		15.99	15.05		14.48		14.55

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: 1952-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	91.7	95.1	99.6	97.3	101.3	103.2	.....	.....	116.6	111.0	98.6	99.5
2	.....	99.8	102.4	98.0	96.1	105.2	.....	.....	117.1	108.9	103.1	99.8
3	.....	98.9	103.2	96.9	97.5	107.0	104.1	113.8	115.4	102.6	104.3	98.3
4	.....	100.0	103.2	91.0	101.8	108.0	96.5	116.0	113.2	106.5	104.8	96.9
5	98.8	98.9	102.2	94.1	102.3	106.4	89.0	116.3	104.2	104.3	104.6	91.1
6	99.2	97.0	98.7	96.5	103.7	100.9	.....	116.0	98.8	107.0	102.9	96.2
7	99.9	94.1	93.5	100.0	104.2	109.9	.....	113.6	107.9	107.1	96.6	98.9
8	101.9	97.1	97.8	99.9	102.4	112.2	.....	106.3	109.7	107.5	100.4	99.5
9	.....	99.7	99.6	99.7	97.4	114.1	.....	114.1	108.6	104.0	104.8	101.0
10	.....	101.2	101.2	97.3	99.0	114.8	.....	116.3	108.6	100.2	106.0	101.1
11	.....	100.4	102.1	91.0	102.4	114.5	.....	116.2	106.3	103.4	106.5	99.0
12	100.6	99.4	101.5	99.5	104.1	.....	.....	116.9	100.7	106.2	106.7	93.9
13	100.2	98.0	100.6	.....	106.9	.....	.....	115.7	107.7	107.7	100.8	94.7
14	101.4	91.9	97.4	.....	105.6	.....	.....	.....	108.2	107.9	96.5	98.6
15	99.4	99.7	97.6	.....	103.7	116.6	.....	106.5	109.1	108.5	98.6	99.7
16	98.5	101.3	96.0	104.7	100.3	116.6	.....	112.9	108.9	106.4	101.6	100.2
17	93.8	101.4	96.1	100.7	101.5	117.8	.....	114.1	109.0	99.6	101.0	97.7
18	95.2	102.4	96.8	94.5	104.4	117.4	.....	115.5	105.1	103.3	104.1	95.9
19	97.5	103.0	97.1	100.8	104.5	.....	.....	116.2	97.7	106.5	103.3	90.8
20	99.7	101.0	95.6	102.9	103.6	.....	.....	116.4	104.7	107.1	98.4	95.5
21	99.7	98.1	90.4	105.0	104.3	.....	.....	113.2	108.6	108.2	93.6	99.8
22	99.4	98.8	93.0	106.3	102.6	116.6	.....	108.1	108.6	109.0	95.9	98.8
23	97.3	99.0	94.8	105.7	99.4	113.3	.....	112.2	109.3	107.2	98.5	96.4
24	94.4	101.8	96.2	103.6	104.9	114.4	.....	115.8	108.5	98.3	101.1	94.6
25	95.5	102.2	97.0	97.4	106.7	114.8	.....	117.7	104.6	104.5	101.1	82.6
26	99.0	101.6	97.3	100.0	107.0	.....	.....	117.7	97.8	104.4	94.4	82.9
27	99.2	99.4	96.2	101.9	106.2	.....	.....	116.3	102.9	106.7	93.4	92.2
28	99.8	96.6	91.3	103.6	106.7	.....	.....	113.6	109.0	105.6	89.0	95.5
29	99.8		94.4	104.5	103.8	.....	.....	108.0	112.6	105.0	92.8	95.9
30	98.3		96.3	104.1	97.1	.....	.....	112.8	111.1	104.0	95.3	96.3
31	93.8		97.3		93.8		.....	114.9		96.2		93.9

B29. 24. 27dba. City of Minneapolis. Drilled artesian well in sandstone of Late Cambrian and Early Ordovician age, diameter 20 inches, depth 823 feet, reported cased to 275. Highest water level 59. 0 below lsd, Jan. 11-12, Feb. 2, 1932; lowest 107 below lsd, Sept. 1, 1953. Records available: 1931-32, 1940-41, 1943-46, 1948-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	78. 27	Apr. 10	78. 84	July 17	95. 52	Oct. 14	87. 60
11	78. 52	16	81. 49	24	97. 12	21	87. 01
18	77. 85	24	81. 33	31	96. 09	28	86. 04
23	78. 41	May 1	80. 11	Aug. 7	97. 77	Nov. 4	85. 02
30	79. 13	8	79. 85	14	96. 39	11	84. 84
Feb. 6	79. 05	15	82. 77	21	98. 46	18	85. 11
13	78. 18	22	83. 62	28	98. 94	27	82. 00
20	78. 53	29	82. 70	Sept. 11	90. 70	Dec. 4	81. 86
27	78. 46	June 5	83. 39	17	89. 20	11	81. 46
Mar. 6	78. 54	12	92. 37	24	89. 45	18	81. 17
13	78. 50	19	92. 46	30	90. 27	23	81. 50
20	78. 43	26	95. 15	Oct. 7	88. 17	30	80. 14
Apr. 2	79. 38	July 10	93. 24				

117. 21. 16cca. City of St. Louis Park. Drilled unused artesian well in Jordan sandstone, diameter 16 inches, depth 421 feet, reported cased to 280. Land-surface datum is 916. 82 feet above msl. Highest water level 66. 0 below lsd, Mar. 23, 1953; lowest 94. 2 below lsd, July 22, 1954. Records available: 1953-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	70. 9	71. 2	70. 3	69. 3	70. 9	73. 1	81. 6	77. 6	79. 9	....	75. 0	71. 6
2	70. 7	71. 2	70. 4	69. 4	68. 8	74. 1	81. 4	81. 9	81. 3	74. 6	74. 7	71. 5
3	70. 8	71. 6	70. 5	69. 8	70. 7	75. 4	78. 5	82. 7	81. 3	73. 4	75. 3	71. 4
4	71. 2	71. 9	70. 6	68. 5	73. 0	77. 1	75. 8	83. 9	77. 1	74. 9	75. 1	71. 3
5	71. 3	72. 0	70. 4	68. 6	72. 4	77. 4	75. 7	85. 2	75. 0	76. 1	75. 6	71. 0
6	71. 6	71. 1	69. 3	69. 5	73. 0	76. 2	78. 2	86. 5	73. 0	76. 1	72. 5	....
7	71. 4	70. 7	68. 9	71. 5	74. 2	79. 6	78. 9	85. 9	77. 5	76. 3	72. 2	....
8	71. 2	73. 8	69. 8	72. 5	71. 7	85. 3	80. 8	83. 3	76. 9	75. 7	75. 8	70. 8
9	70. 8	71. 9	70. 0	72. 1	69. 1	88. 6	81. 2	83. 1	75. 5	74. 7	75. 8	72. 3
10	70. 5	72. 4	70. 1	69. 3	73. 7	91. 1	78. 8	82. 1	76. 2	73. 3	75. 6	72. 3
11	71. 1	72. 5	70. 0	68. 4	75. 3	91. 4	76. 9	83. 8	73. 9	75. 2	76. 3	72. 3
12	70. 8	71. 7	70. 3	71. 8	76. 3	90. 4	81. 0	85. 5	72. 0	75. 8	75. 5	71. 3
13	70. 8	70. 8	69. 0	72. 2	78. 3	88. 8	82. 9	86. 3	74. 3	75. 3	73. 6	71. 8
14	71. 1	70. 3	68. 7	73. 8	79. 3	88. 0	85. 7	86. 6	74. 6	75. 2	72. 9	71. 8
15	71. 2	71. 6	69. 9	72. 5	78. 7	85. 0	88. 3	85. 9	74. 9	75. 4	75. 2	71. 8
16	71. 0	71. 7	70. 1	72. 9	78. 2	83. 1	88. 5	81. 5	74. 1	73. 9	75. 1	71. 8
17	70. 6	71. 7	70. 1	71. 1	81. 7	83. 0	88. 0	80. 1	73. 4	72. 9	75. 9	72. 0
18	70. 9	71. 9	70. 1	69. 7	82. 1	81. 7	87. 2	80. 1	70. 9	76. 1	76. 2	71. 8
19	70. 7	72. 4	70. 2	....	83. 4	78. 6	90. 3	82. 4	70. 5	75. 5	75. 3	71. 6
20	71. 9	71. 7	69. 8	....	85. 0	75. 9	91. 4	82. 7	73. 5	76. 1	73. 6	70. 7
21	71. 7	71. 3	69. 6	74. 4	85. 9	78. 0	92. 8	80. 7	74. 0	76. 2	72. 7	72. 4
22	71. 5	72. 6	69. 2	74. 3	85. 3	78. 2	94. 2	77. 8	73. 4	76. 9	75. 2	72. 3
23	70. 6	72. 3	69. 5	75. 3	84. 9	79. 2	92. 2	79. 4	75. 9	74. 5	74. 5	72. 1
24	70. 2	71. 7	69. 8	72. 4	80. 5	81. 5	89. 0	80. 1	76. 8	73. 5	74. 9	71. 5
25	71. 0	71. 1	69. 5	70. 3	81. 7	83. 7	88. 9	80. 3	74. 4	76. 5	73. 1	71. 0
26	71. 0	70. 8	69. 6	72. 3	81. 0	82. 4	93. 0	80. 0	74. 1	75. 3	72. 1	70. 8
27	71. 6	69. 9	69. 2	73. 7	78. 2	82. 1	92. 4	79. 2	77. 9	75. 5	71. 4	71. 7
28	71. 4	70. 5	67. 7	74. 2	77. 1	83. 5	91. 1	78. 4	77. 4	75. 6	71. 5	72. 5
29	71. 8		68. 8	73. 1	75. 2	81. 3	91. 8	76. 5	76. 6	76. 2	72. 0	72. 3
30	71. 1		69. 9	72. 7	73. 0	81. 1	90. 6	80. 0	77. 1	73. 5	72. 3	72. 7
31	70. 3		70. 0		71. 7		81. 1	79. 2		72. 0		72. 0

177. 22. 5abd2. Hennepin County Highway Department. Drilled test and observation artesian well in sandstones of Late Cambrian and Early Ordovician age, diameter 6 inches, depth 483 feet, cased to 201. Land-surface datum is 942. 79 feet above msl. Highest water level 38. 51 below lsd, Nov. 23, 1954; lowest 46. 96 below lsd, July 30, 1954. Records available: 1953-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40. 20	40. 38	40. 20	39. 80	40. 10	41. 58	44. 06	45. 40	41. 15	39. 83	39. 43	39. 75
2	40. 29	40. 37	40. 42	40. 05	39. 80	41. 40	43. 92	45. 14	41. 96	40. 03	39. 47	39. 50
3	40. 34	40. 27	40. 36	39. 86	40. 02	41. 44	43. 24	45. 28	42. 02	39. 74	39. 19	39. 26
4	40. 43	40. 40	40. 58	39. 74	39. 92	41. 72	43. 03	45. 39	41. 07	39. 99	39. 37	39. 35
5	40. 40	40. 48	40. 47	39. 58	39. 72	42. 47	43. 00	45. 40	40. 75	40. 31	39. 24	39. 55

117.22.5abd2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	40.56	40.41	40.01	39.50	39.82	42.28	42.89	46.00	40.5	40.55	39.26	39.75
7	40.52	40.25	40.11	39.74	39.80	42.84	43.26	45.94	40.5	40.55	39.34	39.45
8	40.18	40.15	40.25	40.09	39.63	43.25	43.28	46.00	40.5	40.05	39.65	39.32
9	40.60	40.03	40.05	39.57	39.78	43.48	43.30	46.14	40.34	39.67	39.89	39.78
10	40.46	40.22	.....	39.75	39.89	43.58	42.94	46.25	40.22	39.35	40.05	39.91
11	.....	40.76	40.23	39.86	39.91	43.80	42.64	.....	40.3	39.32	40.36	39.83
12	40.77	40.31	40.03	40.10	40.10	44.41	43.02	.....	40.06	39.24	40.24	39.79
13	40.40	39.81	40.07	39.68	40.25	44.26	42.86	.....	39.82	39.56	39.74	39.54
14	40.40	39.83	39.99	39.54	40.36	44.20	43.37	.....	39.90	39.31	39.78	39.18
15	40.40	40.34	40.44	39.68	40.46	44.05	44.53	45.51	39.60	39.43	39.61	39.32
16	40.75	40.36	40.28	39.94	40.87	43.80	44.62	.....	39.49	39.21	39.34	39.31
17	40.53	40.44	39.99	39.60	40.80	43.94	44.73	42.99	39.34	39.36	39.42	39.12
18	40.34	40.31	39.99	39.81	41.10	44.09	44.94	42.49	39.05	39.59	39.55	39.44
19	40.43	40.22	39.90	40.16	41.98	43.56	45.37	42.52	39.00	39.77	39.51	39.49
20	40.64	39.71	39.98	40.22	42.41	43.54	46.01	42.35	39.08	39.85	39.30	39.63
21	40.84	40.14	39.94	40.05	42.67	43.42	46.50	42.44	39.41	39.77	39.48	39.67
22	40.48	40.28	39.75	40.25	43.17	43.40	46.72	42.39	39.59	39.74	39.54	39.38
23	40.10	40.08	40.04	40.10	42.78	43.20	46.26	42.06	.....	39.63	39.12	39.55
24	40.17	40.05	39.90	39.93	42.39	43.16	46.04	41.62	.....	39.46	39.51	39.61
25	40.34	40.13	39.58	39.94	42.48	43.18	46.09	41.26	.....	39.48	39.39	39.39
26	40.56	39.83	40.11	39.90	42.50	43.31	.....	41.26	39.56	39.53	39.38	39.61
27	40.35	40.01	39.7	40.18	42.13	43.44	.....	41.26	39.53	39.53	39.04	39.86
28	40.53	40.08	39.83	40.15	41.88	43.42	.....	41.31	39.46	39.35	39.08	39.78
29	40.33		39.80	40.03	41.89	43.58	.....	41.34	39.52	39.47	39.46	39.54
30	40.43		39.90	40.02	41.97	43.7	46.96	41.26	39.67	39.30	39.81	39.61
31	40.44		39.7		41.64		46.06	41.04		39.20		39.30

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 20.57 below lsd, May 6, 1954; lowest 29.72 below lsd, July 29, 1954. Records available: 1953-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.19	22.03	21.83	21.10	21.19	22.85	25.16	28.61	.....	24.39	22.40	22.38
2	22.28	22.06	21.91	21.29	21.14	22.47	25.19	28.05	.....	24.52	22.33	22.21
3	22.30	22.07	21.91	21.29	20.96	22.74	24.54	27.98	24.50	22.95	22.17	21.98
4	22.05	22.09	21.93	21.13	20.80	25.60	24.28	27.78	23.94	24.51	22.3	22.06
5	22.15	22.17	21.83	20.98	20.77	26.45	24.43	27.95	23.77	24.77	22.27	22.2
6	22.22	22.22	21.68	20.95	20.65	27.40	24.44	28.65	23.52	25.00	22.28	22.73
7	22.19	22.16	21.83	21.13	20.78	27.47	24.54	28.03	23.3	24.97	22.30	22.97
8	22.08	21.91	21.82	21.22	20.78	24.39	24.60	26.79	24.46	23.19	23.40	23.47
9	22.30	21.88	21.69	21.02	20.82	24.73	24.67	.....	23.36	22.63	24.11	23.69
10	22.29	22.17	21.61	21.05	20.85	25.09	24.17	.....	24.69	22.47	24.15	23.50
11	22.28	22.39	21.68	21.20	20.86	25.42	24.3	.....	24.82	22.35	24.19	23.64
12	22.30	22.31	21.68	21.19	21.00	25.53	24.5	.....	23.41	22.88	24.22	22.50
13	22.13	21.84	21.62	20.95	21.03	25.50	24.5	.....	22.89	22.59	22.69	22.12
14	22.10	21.80	21.74	20.83	21.30	25.52	24.75	27.66	22.74	22.46	22.56	21.82
15	22.20	22.25	21.84	20.96	21.35	25.49	25.31	27.03	22.62	22.59	22.61	21.82
16	22.34	22.18	21.82	21.01	21.62	25.44	25.62	26.30	22.54	22.34	22.25	21.81
17	22.33	22.13	21.60	20.92	21.8	25.94	25.64	26.10	22.59	22.35	22.33	21.76
18	22.07	22.02	21.40	21.04	22.07	26.11	26.30	25.64	22.35	23.60	22.44	21.85
19	22.17	21.98	21.48	21.29	22.51	25.42	26.64	25.41	22.13	24.30	22.41	21.87
20	22.37	21.83	21.52	21.36	23.06	25.24	27.07	25.28	23.54	24.38	22.23	21.86
21	22.40	21.98	21.45	21.25	23.36	25.26	26.8	26.21	23.92	22.80	22.14	21.86
22	22.31	21.98	21.32	21.34	23.78	25.14	26.31	26.54	24.08	22.66	22.25	21.73
23	22.00	21.86	21.33	21.28	23.48	25.02	26.72	26.52	24.26	22.46	22.18	21.85
24	22.12	21.79	21.24	21.32	23.58	24.85	27.00	25.06	22.90	22.40	22.42	21.88
25	22.12	21.82	21.18	21.33	23.58	24.89	27.28	24.72	22.62	22.41	22.31	21.73
26	22.26	21.71	21.30	21.25	23.61	25.06	28.48	24.66	22.49	22.45	22.23	21.86
27	22.25	21.87	21.14	21.30	23.32	25.10	29.06	24.49	22.46	22.40	21.95	21.88
28	22.19	21.79	21.15	21.27	23.09	24.97	29.44	24.47	22.46	22.25	21.99	21.80
29	22.34		21.12	21.28	23.13	25.00	29.72	24.05	22.66	22.44	22.38	21.62
30	22.34		21.15	21.25	23.13	25.10	29.55	.....	22.78	22.30	22.38	21.61
31	22.24		21.15		22.92		29.03	.....		22.27		21.53

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. Highest water level 5.2 below lsd, Aug. 29, 1944; lowest 14.17 below lsd, Aug. 14, 1954. Records available: 1942-46, 1948-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	12.44	Apr. 3	12.54	July 3	12.70	Oct. 7	13.41
11	12.63	10	12.34	10	12.64	14	12.96
18	12.49	16	12.38	17	13.06	21	13.18
23	12.42	24	12.38	24	13.67	28	13.01
30	12.80	May 1	12.19	Aug. 7	13.95	Nov. 4	13.10
Feb. 6	12.75	8	11.86	14	14.17	11	13.53
13	12.54	15	12.01	21	13.47	18	13.26
20	12.53	22	12.72	28	13.29	27	13.07
27	12.67	29	12.64	Sept. 4	13.19	Dec. 4	13.14
Mar. 6	12.59	June 5	12.94	11	13.44	11	13.67
13	12.69	12	13.54	17	12.85	18	13.30
20	12.64	19	13.24	24	12.96	23	13.22
27	12.38	26	12.96	30	13.04	30	13.24

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 39.12 below lsd, Aug. 14, 1954. Records available: 1937-39, 1942-46, 1948-54.

Jan. 4	31.52	Apr. 3	31.40	July 3	35.45	Sept. 30	33.23
11	31.70	10	30.93	10	33.45	Oct. 7	33.76
18	31.40	24	31.20	17	34.46	14	32.82
23	31.32	May 1	31.23	31	36.25	21	33.07
30	31.79	8	31.02	Aug. 7	36.15	28	32.60
Feb. 6	31.71	15	31.37	14	39.12	Nov. 4	32.66
13	31.27	22	32.90	21	35.26	18	32.67
20	31.17	29	32.62	28	34.43	27	32.09
27	31.36	June 5	32.44	Sept. 4	34.26	Dec. 11	32.62
Mar. 6	31.34	12	34.20	11	33.76	18	32.16
13	31.32	19	33.91	17	33.03	23	32.79
20	31.39	26	33.79	24	33.45	30	32.15
27	31.10						

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 14.05 below lsd, Apr. 30, 1954; lowest 20.8 below lsd, Aug. 6, 1942. Records available: 1942-46, 1948-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.58	14.72	14.63	14.43	14.30	14.88	15.76	16.91	16.25	15.09	14.80	15.17
2	14.66	14.72	14.71	14.58	14.28	14.87	15.71	.....	15.90	15.07	14.83	15.02
3	14.66	14.66	14.76	14.58	14.14	14.84	15.32	.....	15.95	14.99	14.72	14.71
4	14.64	14.59	14.77	14.50	14.14	14.84	15.22	.....	15.77	15.07	14.76	14.73
5	14.86	14.65	14.77	14.41	14.14	14.94	15.13	17.37	15.58	15.09	14.75	14.88
6	14.91	14.74	14.66	14.33	14.22	14.91	15.10	17.46	15.46	15.22	14.81	14.96
7	15.08	14.75	14.70	14.45	14.17	14.98	.....	17.46	15.42	15.26	14.83	14.93
8	14.92	14.54	14.70	14.54	14.22	15.66	.....	17.37	15.42	15.17	14.92	14.62
9	14.86	14.51	14.59	14.45	14.24	16.49	.....	.....	15.34	14.98	14.92	14.78
10	14.86	14.76	14.55	14.64	14.23	16.70	h15.30	.....	15.33	14.90	14.92	14.78
11	14.85	15.03	14.54	14.66	14.23	17.06	.....	.....	15.30	14.73	15.00	14.92
12	14.86	15.01	14.53	14.66	14.42	h16.57	.....	.....	15.24	14.80	15.00	14.93
13	14.76	14.66	14.55	14.47	14.46	.....	.....	.....	15.13	14.84	14.86	14.84
14	14.77	14.50	14.65	14.28	14.47	16.22	.....	h19.37	15.14	14.75	14.88	14.70
15	14.75	14.73	14.75	14.31	h14.38	15.77	.....	.....	15.13	14.75	14.80	14.64
16	14.83	14.75	14.75	14.32	.....	15.65	.....	.....	15.06	14.73	14.70	14.62
17	14.83	14.75	14.66	.....	.....	15.65	h16.16	.....	14.90	14.86	14.69	14.59
18	14.60	14.70	14.51	.....	.....	15.62	.....	.....	14.83	14.98	14.75	14.63
19	14.59	14.65	14.51	14.46	.....	15.56	.....	.....	14.80	14.97	14.73	14.67
20	14.82	14.57	14.58	14.47	.....	15.21	.....	.....	14.75	14.69	14.70	14.77
21	14.85	14.65	14.58	14.53	.....	15.17	.....	h16.33	14.94	14.89	14.73	14.77
22	14.84	14.65	14.50	14.56	h15.27	15.15	.....	16.23	14.96	14.87	14.94	14.65
23	14.64	14.59	14.83	14.51	15.89	15.20	.....	16.11	14.96	14.97	15.08	h14.56
24	14.74	14.51	14.70	14.49	15.46	15.41	h16.86	16.09	15.11	14.97	15.4	.....
25	14.74	14.50	14.46	14.48	15.45	15.64	.....	15.93	15.10	14.88	15.31	14.65

117.23.11bbd1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	14.76	14.43	14.54	14.35	15.34	15.84	.....	15.84	15.06	14.82	15.00	14.87
27	14.79	14.57	14.48	14.34	15.06	15.68	.....	15.67	15.09	14.89	14.65	14.88
28	14.79	14.54	14.50	14.33	14.76	15.93	.....	15.70	15.15	14.74	14.61	.....
29	14.79		14.46	14.30	14.95	15.77	.....	15.70	15.07	14.70	15.25	.....
30	14.83		14.49	14.27	14.94	15.54	.....	15.69	15.08	14.72	15.21	h14.69
31	14.81		14.49		14.82		h17.06	15.79		14.72		.....

h Tape measurement.

117.23.34daa2. Hennepin County Highway Department. Drilled test and observation artesian well in sandstones of Late Cambrian and Early Ordovician age, diameter 6 inches, depth 468 feet, cased to 199. Land-surface datum is 946.84 feet above msl. Highest water level 51.55 below lsd, Nov. 27, 1954; lowest 54.72 below lsd, July 30, 1954. Records available: 1953-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	52.98	53.02	.....	.....	52.97	53.26	53.90	54.61	52.56	52.18	52.08	52.25
2	53.10	53.00	.....	.....	52.94	53.22	53.86	54.41	52.60	52.12	52.14	52.21
3	53.14	53.00	.....	h53.21	52.83	53.24	53.77	54.41	52.63	52.07	51.98	51.90
4	53.06	53.04	.....	.....	52.82	53.28	53.76	.....	52.57	52.25	52.05	52.02
5	53.15	53.16	.....	h52.86	52.82	53.28	53.76	.....	52.80	52.29	52.04	52.32
6	53.17	53.29	h52.92	52.79	52.76	53.28	53.68	.....	52.51	52.46	51.93	52.33
7	53.09	53.31	.....	53.03	52.79	53.28	53.62	.....	52.53	52.48	52.09	52.28
8	53.05	52.98	.....	53.18	52.83	53.37	53.64	.....	52.56	52.26	52.25	51.98
9	53.28	52.88	.....	53.02	52.92	53.48	53.65	.....	52.42	52.06	52.25	52.06
10	53.30	53.07	.....	52.96	52.94	53.54	53.62	54.53	52.43	51.99	52.24	52.07
11	53.28	53.40	h52.84	53.19	52.90	53.52	53.56	54.25	52.40	51.82	52.34	52.27
12	53.36	53.39	.....	53.19	52.95	53.71	53.62	54.07	52.37	51.84	52.34	52.29
13	53.22	52.96	h52.90	52.98	52.94	53.76	53.62	53.92	52.27	51.97	52.10	52.22
14	53.02	52.76	.....	52.69	52.96	53.72	53.74	53.86	52.28	51.93	52.17	51.91
15	53.15	53.14	h53.24	52.74	52.94	53.72	53.84	53.84	52.28	51.95	52.09	51.93
16	53.35	53.21	53.29	52.81	53.03	53.73	53.89	53.59	52.26	51.96	51.81	51.93
17	53.35	53.20	53.14	52.76	53.10	53.85	53.88	53.57	52.09	52.19	51.88	51.92
18	53.03	53.12	52.89	52.86	53.13	53.92	53.98	53.33	52.02	52.28	51.99	52.02
19	53.03	53.04	52.90	53.06	53.26	53.89	54.07	53.18	51.88	52.31	51.98	52.08
20	53.40	52.93	53.05	53.10	53.27	53.71	54.16	53.22	51.90	52.19	51.93	52.07
21	53.47	53.05	53.05	53.04	53.28	53.63	54.29	53.18	52.08	52.13	52.02	52.07
22	53.44	53.05	52.92	53.13	53.33	53.70	54.39	53.09	52.17	52.13	52.00	51.99
23	53.09	52.93	52.96	53.08	53.33	53.73	54.43	52.96	52.11	52.14	51.82	52.03
24	53.14	52.84	52.91	52.97	53.44	53.60	54.57	52.94	52.07	52.15	51.94	52.07
25	53.14	52.86	52.78	52.98	53.49	53.61	54.62	52.81	52.07	52.10	52.04	52.04
26	53.20	52.74	52.96	52.83	53.52	53.78	54.62	52.82	52.05	52.04	52.03	52.26
27	53.27	h52.81	h52.86	52.88	53.41	53.86	54.60	52.80	51.96	52.04	51.73	52.29
28	53.27	.....	.....	52.67	53.18	53.76	54.57	52.77	51.96	51.91	51.82	.....
29	53.25		.....	52.88	53.29	53.73	54.69	52.79	52.01	51.91	52.20	.....
30	53.33		.....	52.87	53.34	53.84	54.72	52.78	52.17	51.98	52.22	h52.01
31	53.30		.....		53.19		54.68	52.74		51.98		52.00

h Tape measurement.

118.23.34aca. Hennepin County Highway Department. Drilled artesian well in Jordan sandstone, diameter 24 inches, depth 419 feet, cased to 183. Highest water level 23.44 below lsd, Nov. 27, 1954; lowest 25.35 below lsd, Sept. 30, 1954. Records available: 1952-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	24.10	Apr. 10	24.32	July 10	23.87	Oct. 7	24.51
11	24.22	16	24.25	17	23.97	14	23.93
18	24.13	24	24.20	24	24.23	21	24.29
23	23.92	May 1	24.03	31	24.53	28	23.70
30	24.40	8	24.05	Aug. 7	24.26	Nov. 4	24.61
Feb. 6	24.27	15	23.76	14	25.13	11	24.44
13	24.14	22	23.89	21	24.69	18	23.95
20	24.05	29	23.65	28	24.55	27	23.44
27	23.78	June 5	23.86	Sept. 4	24.13	Dec. 4	23.67
Mar. 6	23.94	12	23.96	11	24.43	11	23.94
20	24.31	19	24.11	17	24.05	18	24.00
27	23.95	26	24.01	24	25.12	23	23.71
Apr. 3	24.34	July 3	23.94	30	25.35	30	23.82

118.23.35aaa1. Hennepin County Highway Department. Drilled artesian well in Jordan sandstone, diameter 24 to 10 inches, depth 428 feet, cased 0-304, 339-351, 401-428, screen 304-339, 351-401. Highest water level 24.26 below lsd, Nov. 26, 1954; lowest 26.59 below lsd, Aug. 14, 1954. Records available: 1952-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	25.20	Apr. 10	24.92	July 10	25.25	Oct. 7	25.09
11	25.31	16	24.87	17	25.61	14	24.59
18	25.08	24	24.91	24	25.97	21	24.79
23	25.07	May 1	24.81	31	26.09	28	24.45
30	25.43	8	24.81	Aug. 7	26.04	Nov. 4	24.70
Feb. 6	25.28	15	24.90	14	26.59	11	24.90
13	24.96	22	25.23	21	25.46	18	24.65
20	24.82	29	24.95	28	25.15	27	24.26
27	24.88	June 5	25.04	Sept. 4	24.94	Dec. 4	24.55
Mar. 6	25.05	12	25.69	11	24.98	11	24.72
13	24.99	19	25.42	17	24.73	18	24.61
20	25.09	26	25.46	24	24.74	23	24.52
27	24.98	July 3	25.32	30	24.87	30	24.70
Apr. 3	25.30						

118.23.35aaa2. Hennepin County Highway Department. Drilled test and observation water-table well in glacial drift, diameter 2 inches, depth 151 feet. Highest water level 19.08 below lsd, Mar. 13, 1954; lowest 37.4 below lsd, June 9, 1942. Records available: 1942, 1944-46, 1948-54.

Jan. 4	19.77	Apr. 3	19.32	July 3	19.27	Oct. 7	20.14
11	19.87	10	19.39	10	19.13	14	20.01
18	19.57	16	19.43	17	19.17	21	20.07
23	19.43	24	19.34	24	19.43	28	19.84
30	19.89	May 1	19.34	Aug. 7	19.57	Nov. 4	20.04
Feb. 6	19.54	8	19.29	14	19.87	11	20.14
13	19.39	15	19.19	21	20.12	18	19.97
20	19.28	22	19.20	28	20.22	27	19.59
27	19.56	29	19.19	Sept. 4	20.01	Dec. 4	19.84
Mar. 6	19.40	June 5	19.25	11	20.20	11	19.94
13	19.08	12	19.28	17	20.10	18	19.87
20	19.67	19	19.34	24	20.05	23	19.80
27	19.48	26	19.34	30	20.20	30	19.80

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: 1949-54.

Jan. 1	10.40	Apr. 2	10.96	July 1	10.93	Oct. 15	11.31
8	10.44	9	11.06	9	10.93	22	11.41
15	10.53	16	11.02	16	11.62	29	11.32
22	10.55	23	11.12	23	12.02	Nov. 5	11.51
29	10.66	30	11.03	30	11.21	12	11.64
Feb. 5	10.74	May 7	10.96	Aug. 6	11.93	19	11.61
12	10.79	14	10.95	26	11.26	26	11.63
19	10.81	21	10.90	Sept. 3	11.21	Dec. 4	11.67
26	10.88	28	10.79	10	11.18	10	11.89
Mar. 5	10.94	June 4	10.64	17	11.16	17	11.96
12	11.01	11	10.79	24	11.09	24	12.14
19	10.94	18	11.30	Oct. 1	11.17	31	12.30
26	10.91	25	11.45	8	11.28		

Redwood County

112.36.25bda. City of Redwood Falls. Drilled test and observation artesian well in glacial outwash sand and gravel, diameter 2 inches, depth 150 feet, screen 147-150. Land-surface datum is 1,050.2 feet above msl. Highest water level 43.61 below lsd, Nov. 7, 1954; lowest 45.35 below lsd, July 31, 1954. Records available: 1954.

May 22	44.08	June 19	44.14	July 17	44.72	Aug. 14	44.87
27	43.98	26	44.15	24	44.43	21	44.75
June 5	44.06	July 3	44.23	31	45.35	28	44.68
12	44.13	10	44.25	Aug. 7	45.19	Sept. 4	44.65

112.36.25bda--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 11	44.66	Oct. 10	44.47	Nov. 7	43.61	Dec. 4	44.58
18	44.49	17	44.59	14	44.66	11	44.65
26	44.56	24	44.64	21	44.63	18	44.64
Oct. 3	44.54	31	44.56	27	44.52	26	44.71

St. Louis County

B58.20.16dbc1. City of Chisholm. Drilled unused artesian well in glacial outwash sand and gravel, diameter 12 inches, depth 40 feet, screen 30-40. Highest water level 0.23 below lsd, May 10, 1954; lowest 12.85 below lsd, Dec. 30-31, 1954. Records available: 1953-54.

Daily lowest water level from recorder graph, 1953

Day	Aug.	Sept.	Oct.	Nov.	Dec.	Day	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	5.70	5.81	6.82	7.69	17	4.09	4.85	6.51	7.32	8.22
2	....	5.70	5.87	6.90	7.80	18	4.22	4.98	6.42	7.37	8.22
3	....	4.60	6.03	7.02	7.68	19	4.36	5.12	6.56	7.41	8.20
4	....	2.97	5.93	7.09	7.77	20	4.58	5.14	6.56	7.42	8.24
5	....	3.11	6.10	7.12	7.80	21	4.80	5.41	6.61	7.43	8.36
6	....	3.27	6.13	7.12	7.76	22	4.94	5.41	6.63	7.44	8.50
7	....	3.47	6.15	7.13	7.89	23	4.95	5.36	6.67	7.45	8.54
8	5.12	3.78	6.20	7.13	7.93	24	5.12	5.41	6.63	7.48	8.62
9	5.00	4.01	6.15	7.17	7.88	25	5.30	5.51	6.64	7.58	8.64
10	5.20	4.08	6.23	7.30	7.88	26	5.46	5.43	6.75	7.63	8.58
11	4.97	4.28	6.27	7.30	7.95	27	5.62	5.44	6.75	7.64	8.61
12	4.96	4.44	6.39	7.27	7.92	28	5.63	5.63	6.77	7.66	8.60
13	4.95	4.33	6.33	7.25	7.97	29	5.52	5.68	6.79	7.67	8.69
14	3.78	4.43	6.42	7.26	8.01	30	5.52	5.79	6.91	7.74	8.74
15	3.71	4.82	6.46	7.27	8.12	31	5.55		6.89		8.44
16	3.76	4.94	6.51	7.28	8.22						

Daily lowest water level from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.77	9.47	9.31	7.51	1.49	1.48	8.13	8.76	10.40	11.23	11.88	12.23
2	8.77	9.53	9.31	7.46	1.02	1.52	8.28	8.97	10.47	11.28	11.80	12.33
3	8.79	9.53	9.28	7.43	.95	1.60	8.36	9.11	10.61	11.21	11.84	12.31
4	8.80	9.56	9.28	7.34	1.06	1.66	8.10	9.22	10.63	11.33	11.87	12.31
5	8.86	9.61	9.20	7.24	1.08	1.75	8.24	9.27	10.59	11.28	11.85	12.28
6	8.88	9.63	9.12	7.13	1.09	1.76	8.19	9.54	10.60	11.37	11.91	12.35
7	8.88	9.63	9.14	6.82	1.05	1.89	8.22	9.76	10.71	11.31	11.88	12.30
8	8.88	9.55	9.11	6.35	1.00	1.96	5.90	9.70	10.76	11.32	11.97	12.29
9	8.93	9.54	9.07	5.74	.93	....	5.22	9.68	10.72	11.39	11.97	12.37
10	8.94	9.64	9.02	4.72	.73	....	7.58	9.78	10.75	11.31	11.98	12.39
11	9.02	....	9.02	3.18	.85	2.51	4.53	9.88	10.81	11.45	12.07	12.42
12	9.05	....	9.00	2.34	.95	5.21	....	9.99	10.70	11.38	12.04	12.35
13	9.03	....	8.96	1.89	1.02	5.23	5.24	9.95	10.85	11.46	12.10	12.44
14	9.05	....	8.96	1.88	1.10	5.55	4.47	10.03	10.83	11.40	12.02	12.50
15	9.11	....	8.98	1.82	1.13	5.79	4.19	9.98	10.86	11.51	12.13	12.50
16	9.13	....	8.97	1.38	1.24	6.10	3.98	10.17	11.07	11.49	12.14	12.50
17	9.15	....	8.90	1.57	1.28	6.29	3.75	10.26	10.94	11.43	12.09	12.49
18	9.15	....	8.85	1.74	1.36	6.18	3.61	10.22	10.87	11.57	12.15	12.53
19	9.22	....	8.84	1.88	1.41	6.14	3.50	10.29	10.81	11.54	12.10	12.48
20	9.27	....	8.76	1.93	1.42	6.07	3.46	10.49	11.03	11.63	12.10	12.61
21	9.29	9.54	8.68	1.92	1.53	6.19	4.40	10.51	11.13	11.55	12.04	12.70
22	9.29	9.54	8.58	2.01	1.57	6.38	5.92	10.41	11.13	11.79	12.11	12.61
23	9.26	9.49	8.48	1.98	1.57	6.55	6.43	10.55	11.09	11.82	12.12	12.71
24	9.36	9.42	8.40	1.96	1.71	6.75	7.34	10.62	11.12	11.67	12.18	12.74
25	9.36	9.42	8.24	1.97	1.80	7.00	7.92	10.56	11.05	11.77	12.15	12.68
26	9.39	9.32	8.19	1.71	1.85	7.35	8.27	10.64	11.04	11.60	12.08	12.64
27	9.42	9.31	8.07	1.47	1.83	7.22	8.32	10.53	11.17	11.78	12.16	12.75
28	9.43	9.31	7.92	1.47	1.66	7.53	8.43	10.68	11.19	11.75	12.12	12.79
29	9.46		7.83	2.04	1.63	7.84	8.73	10.60	11.21	11.83	12.26	12.84
30	9.49		7.70	1.62	1.68	7.92	8.75	10.54	11.23	11.78	12.25	12.85
31	9.49		7.62		1.50		8.78	10.37		11.72		12.85

MISSOURI

By J. B. Cooper

Scope of Water Level-Program

Water-level measurements were made in 12 wells in Atchison County in the northwestern part of the State in 1954 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 1954 in the well at Trenton, Grundy County.

The water levels in the two Phelps County wells and one Jasper County well were measured monthly by engineers from the Rolla office of the Surface Water Branch. A total of 21 measurements were made in two of these wells in 1954. One well in Phelps County was dry throughout the entire period.

Interpretation of Water-Level Fluctuations

The maximum fluctuation of water level in the Grundy County well was 3.89 feet; the highest reading of 9.30 was on June 19. The low reading of 13.19 feet on October 17 was the lowest level of record. The water level was 1.14 feet lower at the end of 1954 than at the end of 1953. Fluctuations 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

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. Measurement discontinued.

66-40-12N1. Edwin Rolf. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 24 feet. Highest water level 5.32 below lsd, Oct. 27, 1941; lowest 22.60 below lsd, Apr. 27, 1954. Records available: 1937-48, 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	14.84	Apr. 27	22.60	July 26	14.55	Nov. 9	14.99
Feb. 22	15.20	May 21	15.34	Aug. 30	14.38	Dec. 30	15.30
Mar. 27	15.60	June 30	13.99	Sept. 20	13.96		

66-40-13A1. George Rolf. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 37 feet. Highest water level 15.96 below lsd, July 18, 1951; lowest 34.00 below lsd, Oct. 25, 1954. Records available: 1937-54.

Jan. 28	32.01	Apr. 27	31.36	July 26	32.48	Oct. 25	34.00
Feb. 22	29.40	May 21	32.50	Aug. 30	26.10	Nov. 9	33.60
Mar. 27	31.28	June 30	31.50	Sept. 20	32.46	Dec. 30	31.57

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, 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	14.37	Apr. 27	15.32	July 26	14.39	Oct. 25	15.70
Feb. 22	14.56	May 21	13.95	Aug. 30	13.96	Nov. 9	15.29
Mar. 27	14.09	June 30	13.78	Sept. 20	14.40	Dec. 30	13.04

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: 1937-54.

Jan. 28	7.76	Apr. 27	10.03	July 26	9.40	Oct. 25	9.60
Feb. 22	9.02	May 21	10.20	Aug. 31	6.00	Nov. 9	9.83
Mar. 27	7.97	June 30	9.14	Sept. 20	5.02	Dec. 30	12.40

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, Jan. 28, Feb. 22, Mar. 27, 1954. Records available: 1937-54.

Jan. 28	(f)	Apr. 27	20.35	July 26	20.27	Oct. 25	17.77
Feb. 22	(f)	May 21	18.50	Aug. 30	17.28	Nov. 9	21.15
Mar. 27	(f)	June 30	18.92	Sept. 20	17.75	Dec. 30	21.20

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, Jan. 28, Mar. 27-May 21, July 26, Oct. 25-Dec. 30, 1954. Records available: 1937-54.

Jan. 28	(f)	Apr. 27	(f)	July 26	(f)	Oct. 25	(f)
Feb. 22	12.26	May 21	(f)	Aug. 30	9.72	Nov. 9	(f)
Mar. 27	(f)	June 30	13.77	Sept. 20	13.50	Dec. 30	(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: 1937-54.

Jan. 28	17.58	Apr. 27	16.19	July 26	18.36	Oct. 25	11.10
Feb. 22	16.80	May 21	15.17	Aug. 30	12.28	Nov. 9	15.68
Mar. 27	18.18	June 30	13.65	Sept. 20	16.18	Dec. 30	16.60

66-40-13D1. W. F. Marshall. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 16 feet. Highest water level 1.26 below lsd, Mar. 26, 1946; lowest 14.05 below lsd, Aug. 30, 1954. Records available: 1937-54.

Jan. 28	8.10	Apr. 27	9.10	July 26	7.63	Oct. 25	8.80
Feb. 22	8.20	May 21	8.70	Aug. 30	14.05	Nov. 9	8.72
Mar. 27	9.15	June 30	6.20	Sept. 20	8.20	Dec. 30	9.58

66-40-26R1. J. A. McAllister. Drilled observation water-table well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 17 feet. Highest water level 0.10 below lsd, June 23, 1947; lowest 12.26 below lsd, Feb. 22, 1954. Records available: 1937-54.

Jan. 28	6.05	Apr. 27	6.25	July 26	8.12	Oct. 25	7.00
Feb. 22	12.26	May 21	6.39	Aug. 30	8.30	Nov. 9	6.78
Mar. 27	6.40	June 30	6.11	Sept. 20	5.78	Dec. 30	6.85

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: 1937-54.

Jan. 28	10.70	Apr. 27	11.70	July 26	11.70	Oct. 25	12.80
Feb. 22	11.76	May 21	8.34	Aug. 30	11.87	Nov. 9	12.45
Mar. 27	12.00	June 30	12.20	Sept. 20	12.30	Dec. 30	12.41

65-40-10R1. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diameter 3 inches, depth 30 feet. Highest water level 8.77 below lsd, June 23, 1947; lowest dry, July 26, 1954. Records available: 1937-54.

Jan. 28	23.12	Apr. 27	23.70	July 26	(f)	Oct. 25	24.94
Feb. 22	23.69	May 21	23.68	Aug. 31	23.80	Nov. 9	24.69
Mar. 27	23.82	June 30	24.20	Sept. 20	24.50	Dec. 30	25.10

f Dry.

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: 1937-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28	21.40	Apr. 27	22.47	July 26	22.75	Oct. 25	23.80
Feb. 22	21.77	May 21	19.10	Aug. 30	23.12	Nov. 9	23.88
Mar. 27	22.44	June 30	21.46	Sept. 20	22.50	Dec. 30	24.48

Grundy County

61-24-17R1. W. W. Brummitt. 105 East Fourth St., Trenton. Dug unused water-table well in glacial drift, diameter 3 feet, depth 21 feet, cribbed with rock. Highest water level 0.03 below lsd, June 21, 1947; lowest 13.19 below lsd, Oct. 17, 1954. Records available: 1942-54.

Jan. 3	10.72	Apr. 4	10.63	July 4	10.20	Oct. 10	12.00
10	10.76	11	10.58	11	10.58	17	13.19
17	10.80	18	10.50	18	10.90	24	10.20
24	10.78	25	10.38	25	11.30	31	11.68
31	10.81	May 2	10.20	Aug. 1	11.25	Nov. 7	11.80
Feb. 7	10.83	9	10.05	8	11.32	14	11.80
14	10.70	16	10.12	15	11.47	21	11.56
21	10.68	23	10.10	22	11.60	28	11.78
28	10.65	30	9.80	29	11.45	Dec. 5	11.90
Mar. 7	10.40	June 6	9.60	Sept. 5	11.52	12	11.94
14	10.70	13	9.45	12	11.85	19	11.78
21	10.72	19	9.30	19	11.80	26	11.82
28	10.60	27	9.55	26	11.90		

Jasper County

9-34-22H1. Barnsdall 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 123.23 below lsd, Jan. 30, 1952; lowest 161.55 below lsd, Nov. 27, Dec. 27, 1943. Records available: 1942-44, 1950-54.

Jan. 29	134.65	May 28	133.90	Aug. 31	134.90	Nov. 30	133.50
Mar. 2	134.85	June 30	134.60	Sept. 30	134.75	Dec. 31	132.85
Apr. 2	134.30	Aug. 3	135.10	Oct. 29	133.85		

Phelps County

37-10-13K1. S. V. Allen, Jerome. NW¼SW¼ 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 12.62 below lsd, Sept 30, 1954. Records available: 1942-54.

Jan. 1	8.92	Apr. 30	9.79	Aug. 31	11.90	Oct. 1	11.90
Mar. 1	10.02	June 1	10.52	Sept. 30	12.62	Nov. 30	11.55
Apr. 1	10.06	30	10.57				

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 several times, 1953, Jan.-Dec. 1954. Records available: 1942-54. Dry at 13.61, Jan.-Dec.

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 1954. Many of the well records in this report have been compiled as part of the Missouri River Basin Development program. Records of wells in which water-level measurements have been made, which are not listed in this report, are kept in open file pending publication in other forms. Measurements of water levels made in 383 wells are included in this report. Figures 19-30 show the location of observation wells. The following organizations cooperated informally: U. S. Bureau of Reclamation in the Republican River valley; U. S. Fish and Wildlife Service in Cherry and Garden Counties; Central Nebraska Public Power and Irrigation District in Lincoln County; Platte Valley Public Power and Irrigation District in Keith County; Midstate Reclamation District in Buffalo, Hall, and Merrick Counties; and State Bureau of Irrigation and Drainage in Morrill County.

Precipitation

The average annual precipitation in 1954 was 19.65 inches, 3.19 inches below normal, 0.63 inch below that of 1953. It was below the normal for the third consecutive year. Precipitation was considerably below normal over the western half of the State, resulting in severe drought conditions in the southwest and in the Panhandle.

Pumpage

The following table gives the total pumpage for the part of the Lincoln public supply pumped from the well field at Ashland and for the Grand Island supply. About 85 percent of the Lincoln public supply is pumped from wells in the flood plains of the Platte River about 3 miles northeast of Ashland. Pumping from the Ashland well field began in 1932. The public supply at Grand Island is pumped from a group of wells in the Platte River valley in sands and gravels of Pleistocene age.

Monthly pumpage, in millions of gallons, from the Ashland well field for the public supply of Lincoln in 1954

Month	Pumpage	Month	Pumpage	Month	Pumpage
January	384.6	May	416.0	September	554.6
February	369.7	June	519.6	October	455.2
March	406.2	July	576.5	November	383.0
April	417.4	August	526.6	December	405.7

Monthly pumpage, in millions of gallons, for the public supply of Grand Island in 1954

Month	Pumpage	Month	Pumpage	Month	Pumpage
January	290.9	May	336.2	September	440.6
February	261.9	June	424.1	October	335.5
March	298.1	July	600.2	November	322.8
April	340.4	August	405.9	December	334.0

The most intensive use of ground water for irrigation in Nebraska is in the lower Platte River valley. Irrigation from wells began in this region in 1893, but early development was slow and in 1911 only 6 irrigation wells had been installed. Since that time, however, development has been rapid, and during the past 10 years has spread to the upland areas of south-central Nebraska.

An inventory of all irrigation wells in the State was made by the Conservation and Survey Division of the University of Nebraska in cooperation with the Geological Survey, the Soil Conservation Service, and the Extension Service of the University of Nebraska. The inventory

showed that the number of irrigation wells in the State increased from 9,338 in 1953 to 11,722 in December 1954. The following is a list of the 93 counties in the State and the number of irrigation wells in each county.

County	Irrigation wells	County	Irrigation wells	County	Irrigation wells
Adams	269	Frontier	27	Nance	35
Antelope	28	Furnas	94	Nemaha	0
Arthur	12	Gage	9	Nuckolls	78
Banner	36	Garden	40	Otoe	0
Blaine	5	Garfield	19	Pawnee	0
Boone	112	Gosper	55	Perkins	21
Box Butte	147	Grant	2	Phelps	215
Boyd	0	Greeley	61	Pierce	16
Brown	45	Hall	1,686	Platte	101
Buffalo	1,323	Hamilton	479	Polk	120
Burt	4	Harlan	92	Redwillow	84
Butler	67	Hayes	27	Richardson	0
Cass	3	Hitchcock	75	Rock	8
Cedar	4	Holt	20	Saline	45
Chase	70	Hooker	3	Sarpy	4
Cherry	9	Howard	93	Saunders	11
Cheyenne	129	Jefferson	0	Scotts Bluff	96
Clay	257	Johnson	0	Seward	44
Colfax	151	Kearney	297	Sheridan	37
Cuming	8	Keith	243	Sherman	64
Custer	127	Keya Paha	1	Sioux	11
Dakota	1	Kimball	96	Stanton	18
Dawes	8	Knox	6	Thayer	91
Dawson	1,640	Lancaster	19	Thomas	1
Deuel	75	Lincoln	378	Thurston	0
Dixon	0	Logan	9	Valley	36
Dodge	148	Loup	21	Washington	5
Douglas	17	Madison	16	Wayne	0
Dundy	66	McPherson	1	Webster	36
Fillmore	211	Merrick	1,300	Wheeler	4
Franklin	85	Morrill	54	York	261

Interpretation of Water-Level Fluctuations

Water levels fluctuate in response to precipitation, surface runoff in streams, the amount of water pumped from wells and the amount of water withdrawn by vegetation. Figure 31 shows a hydrograph of the water-level fluctuations in Buffalo County well 9-14-19dd, an irrigation well east of Kearney in the lower Platte River valley, an area heavily pumped for irrigation. The water-level fluctuations in this well reflect the regional water-level fluctuations. The graph shows a secular decline of the water table during the 1930's. It reached a low point in October 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 years of 1942-52 was the result of recharge to the ground-water reservoir by increased precipitation. The 3-year period of 1952-54 was deficient in precipitation and the recharge to the ground-water reservoir was relatively low. Low recharge coupled with increased withdrawals caused the water table to decline at a more rapid rate than at any other time during the period of record; the water table was at a record low in September 1954. Ordinarily, the water removed from the ground-water reservoir is replaced during the fall and winter by rainfall and seepage from the Platte River. During the past 3 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 and winter.

In Box Butte County, irrigation with ground water has more than doubled during the past 10 years. The total number of irrigation wells has increased from 75 in 1946 to 147 in 1954. It is estimated that 14,000 acre-feet of water was pumped in 1954. Box Butte County has been subjected to severe drought during the past several years; consequently, recharge to the ground-water reservoir has been lower than average and at the end of 1954 the water levels in wells were at the lowest stage of record. A hydrograph of Box Butte County well 25-48-4ddd1, 2 miles west and 4 miles north of Alliance, Nebr., is shown in figure 32. The fluctuations of water level in this well reflect the regional water-table fluctuations in the region of the tablelands north of Alliance. The hydrograph shows that the water table has declined 4.18 feet during the period of record 1946-54.

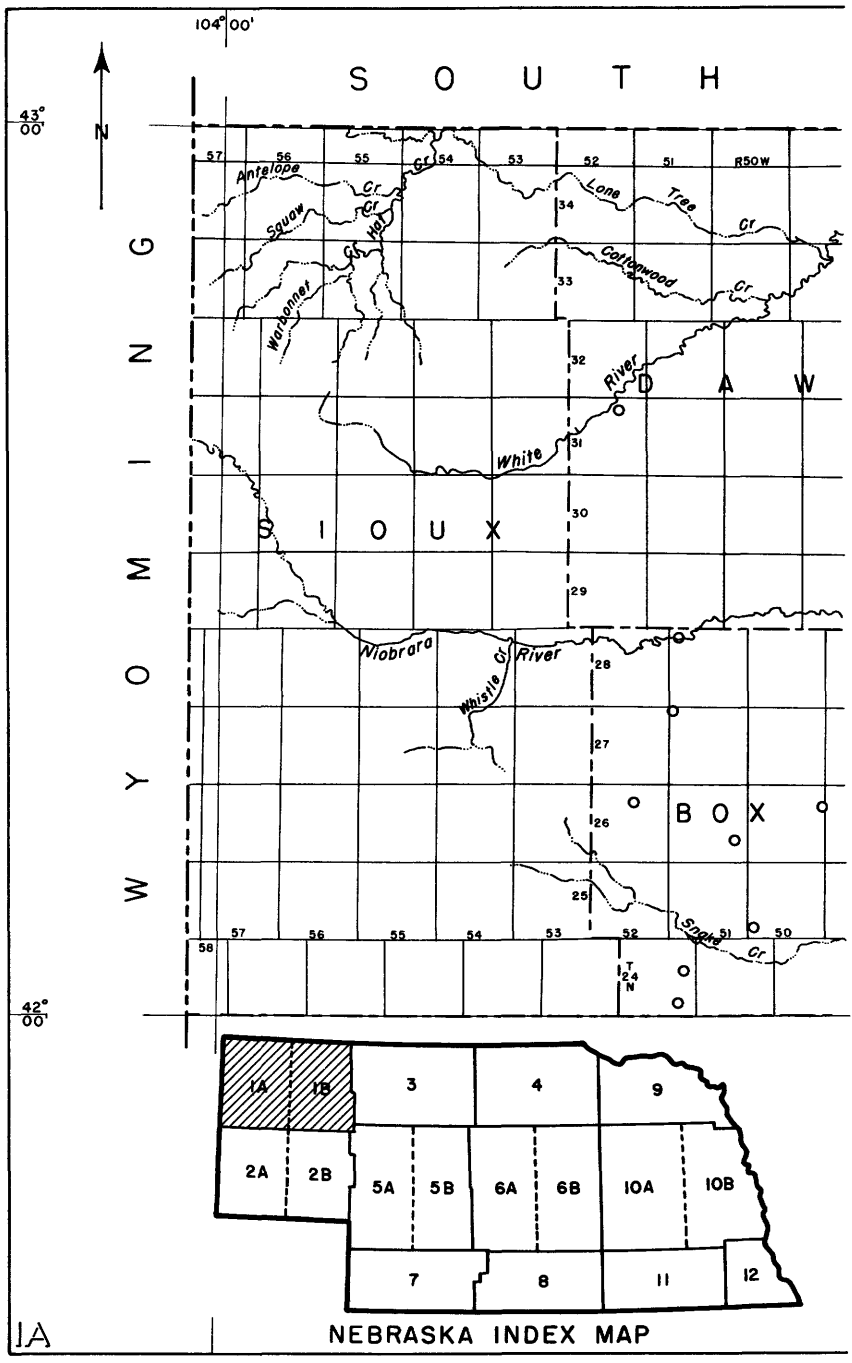
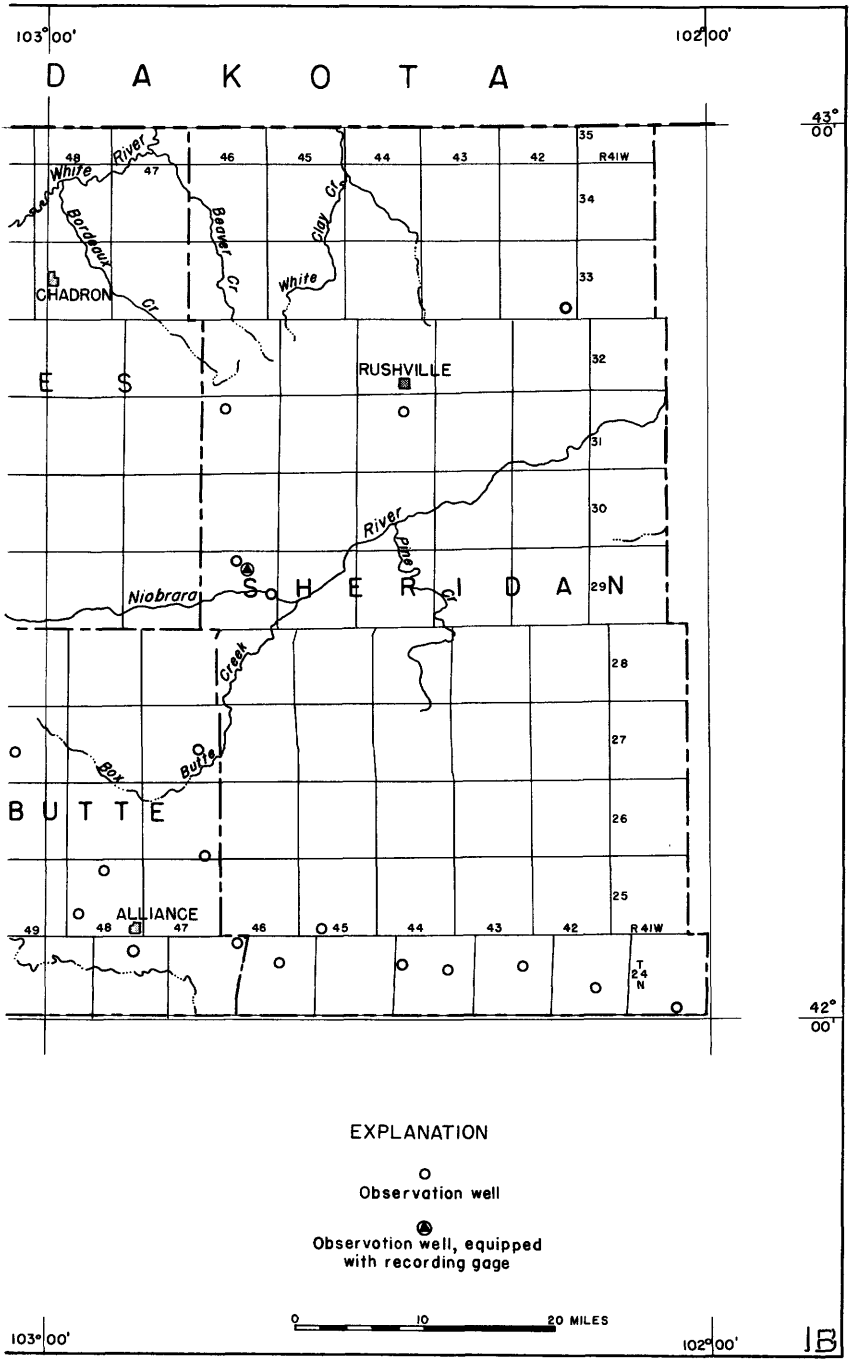


Figure 19. --Location of observation wells in Box Butte,



Dawes, Sheridan, and Sioux Counties, Nebr., 1954.

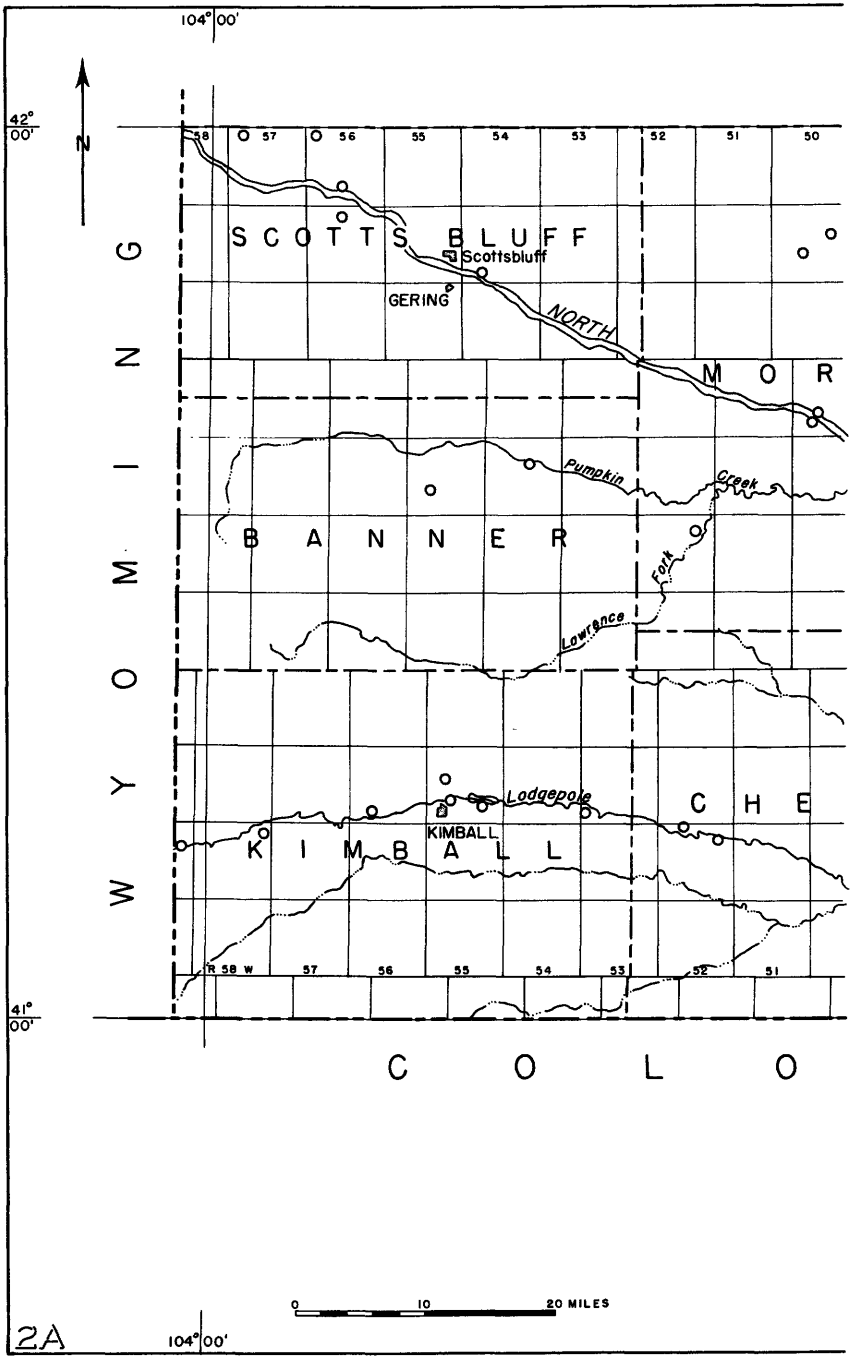
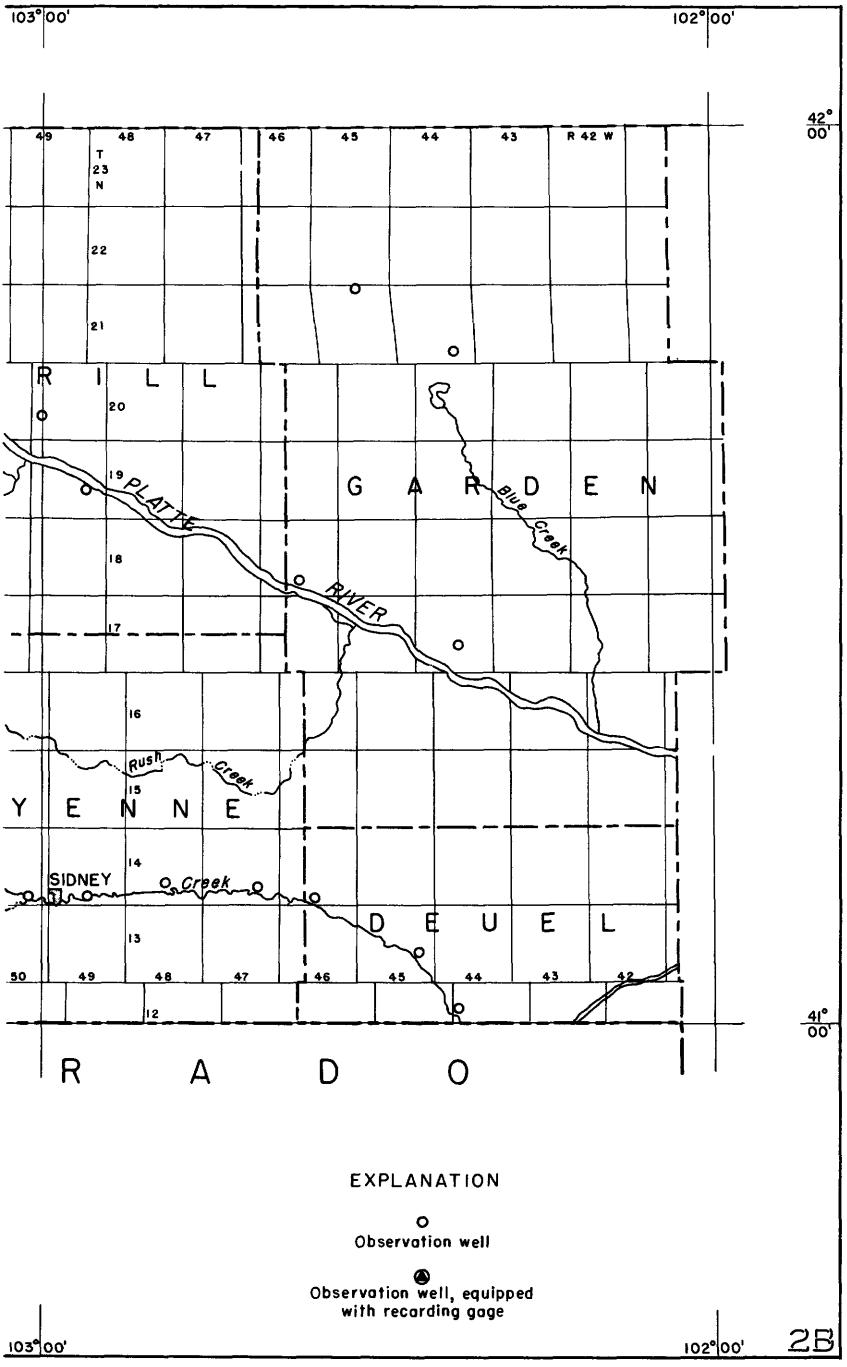


Figure 20. --Location of observation wells in Banner, Cheyenne, Deuel,



Garden, Kimball, Morrill, and Scotts Bluff Counties, Nebr., 1954.

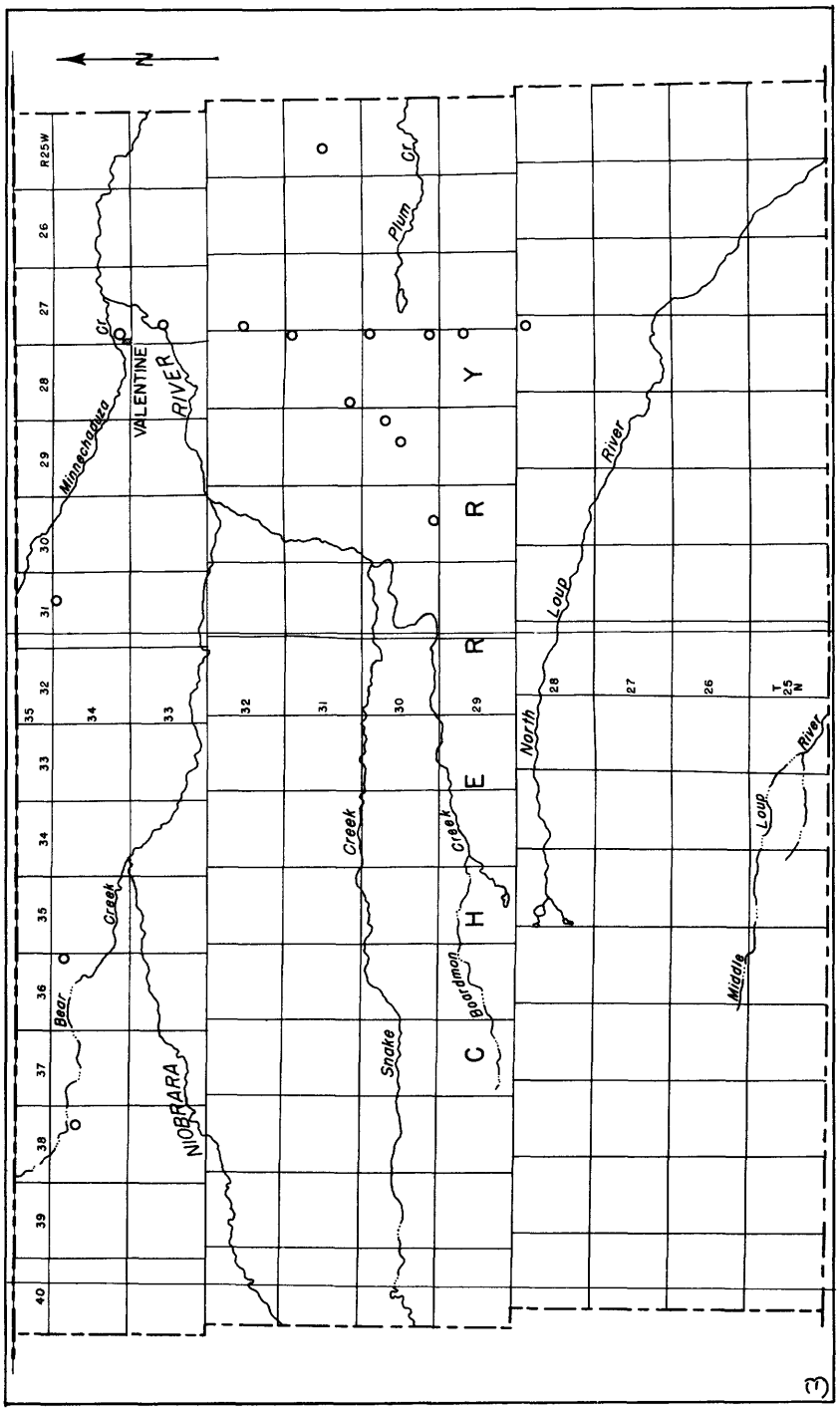


Figure 21.--Location of observation wells in Cherry County, Nebr., 1954.

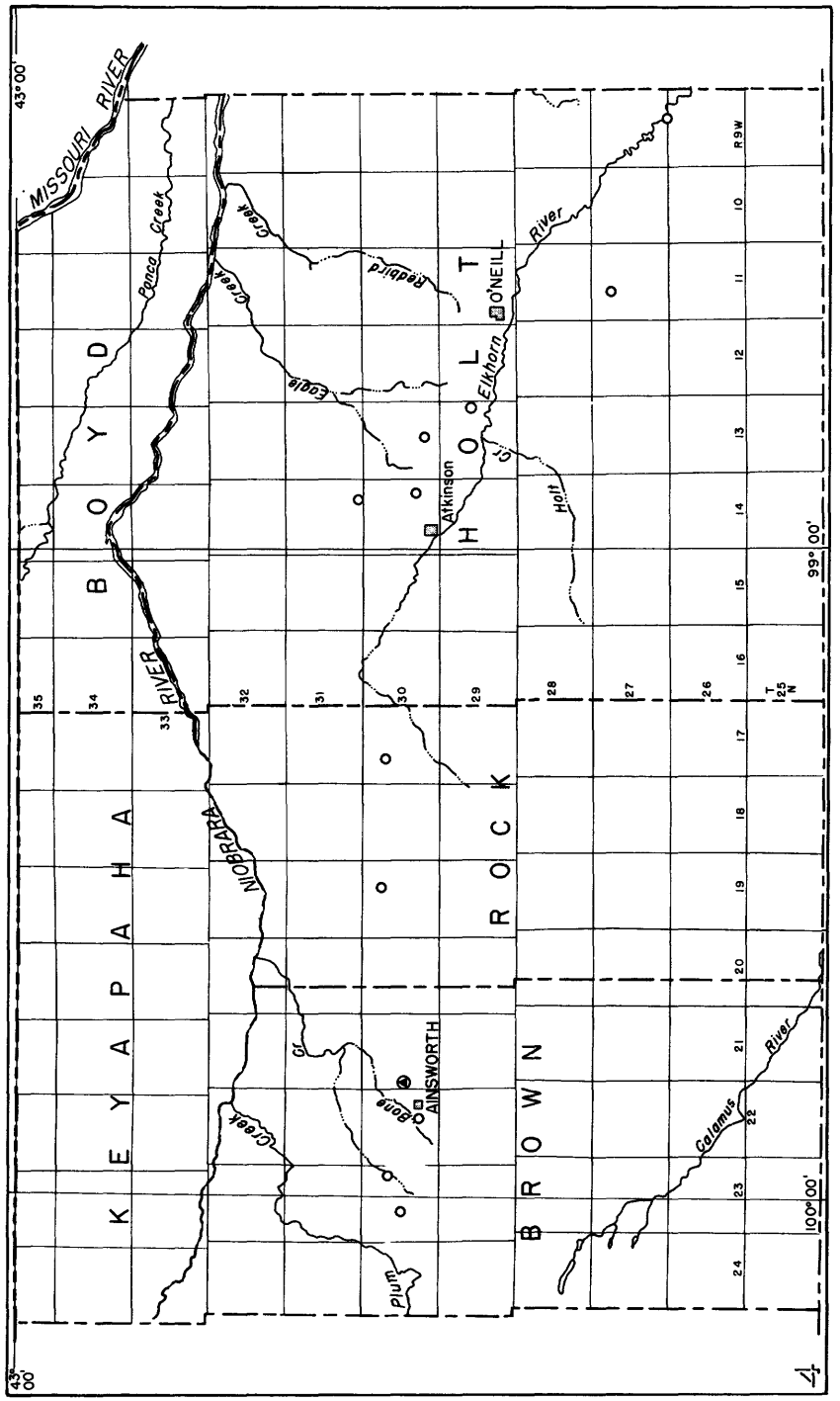


Figure 22. --Location of observation wells in Brown, Holt, and Rock Counties, Nebr., 1954.

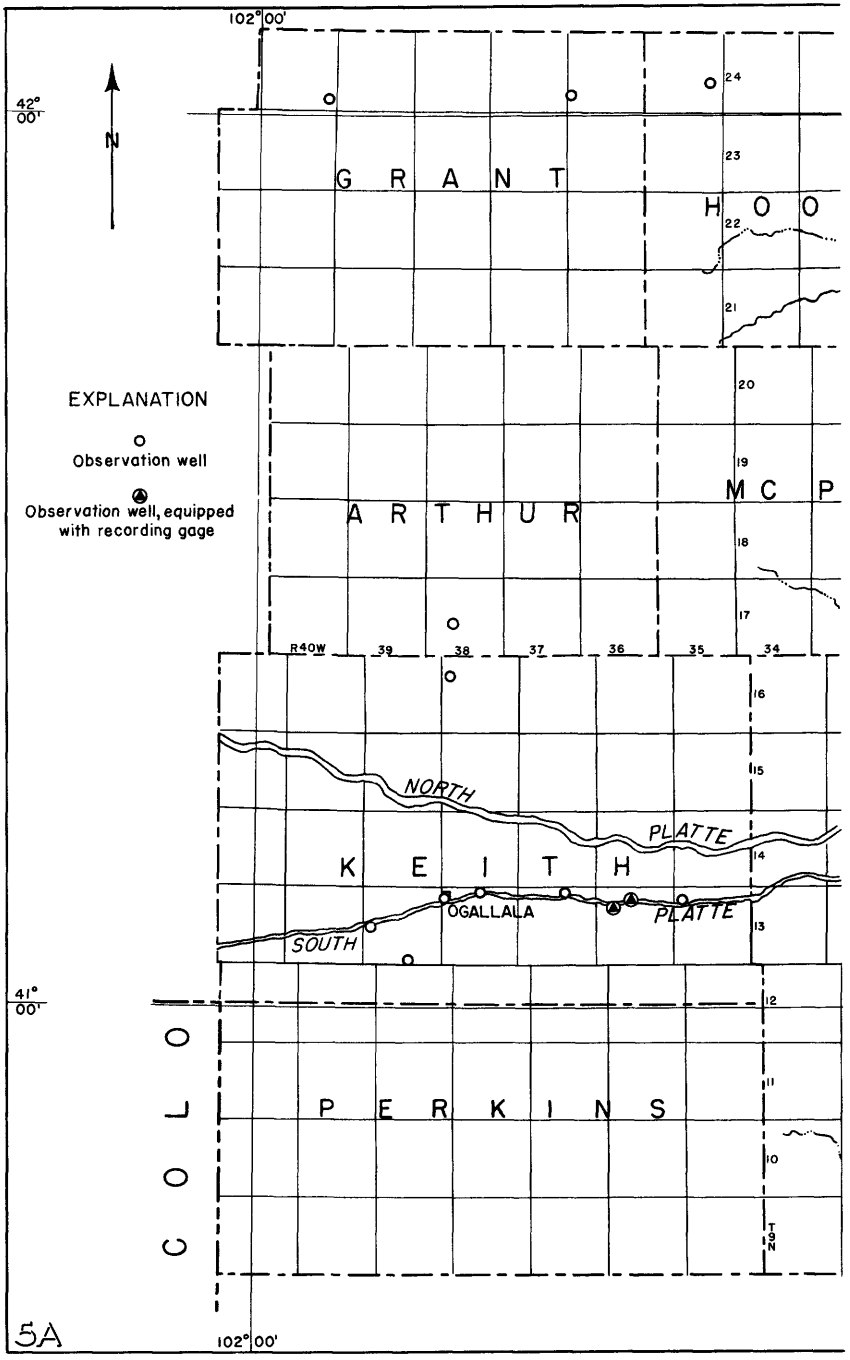
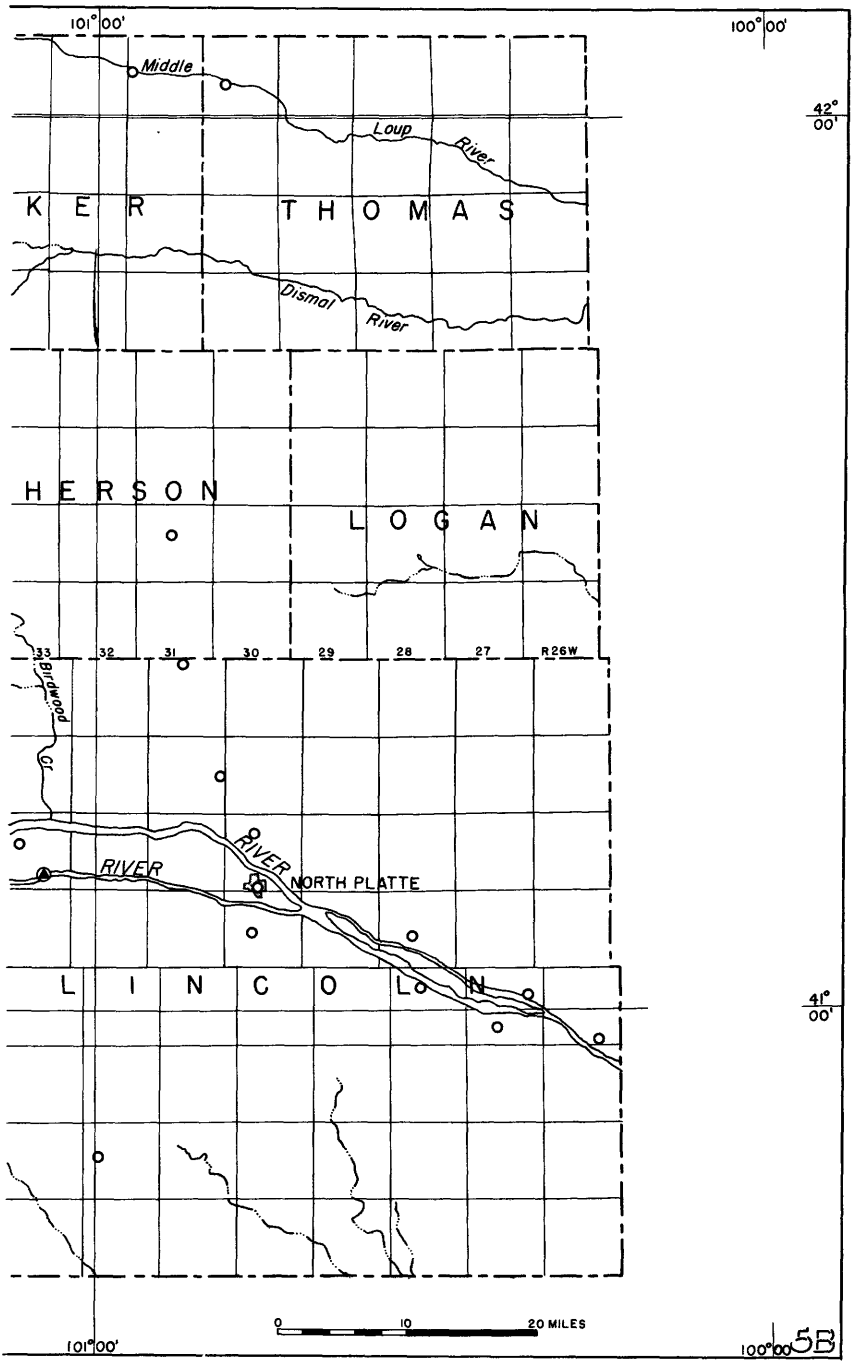


Figure 23. --Location of observation wells in Arthur, Grant, Hooker,



Keith, Lincoln, McPherson, and Thomas Counties, Nebr., 1954.

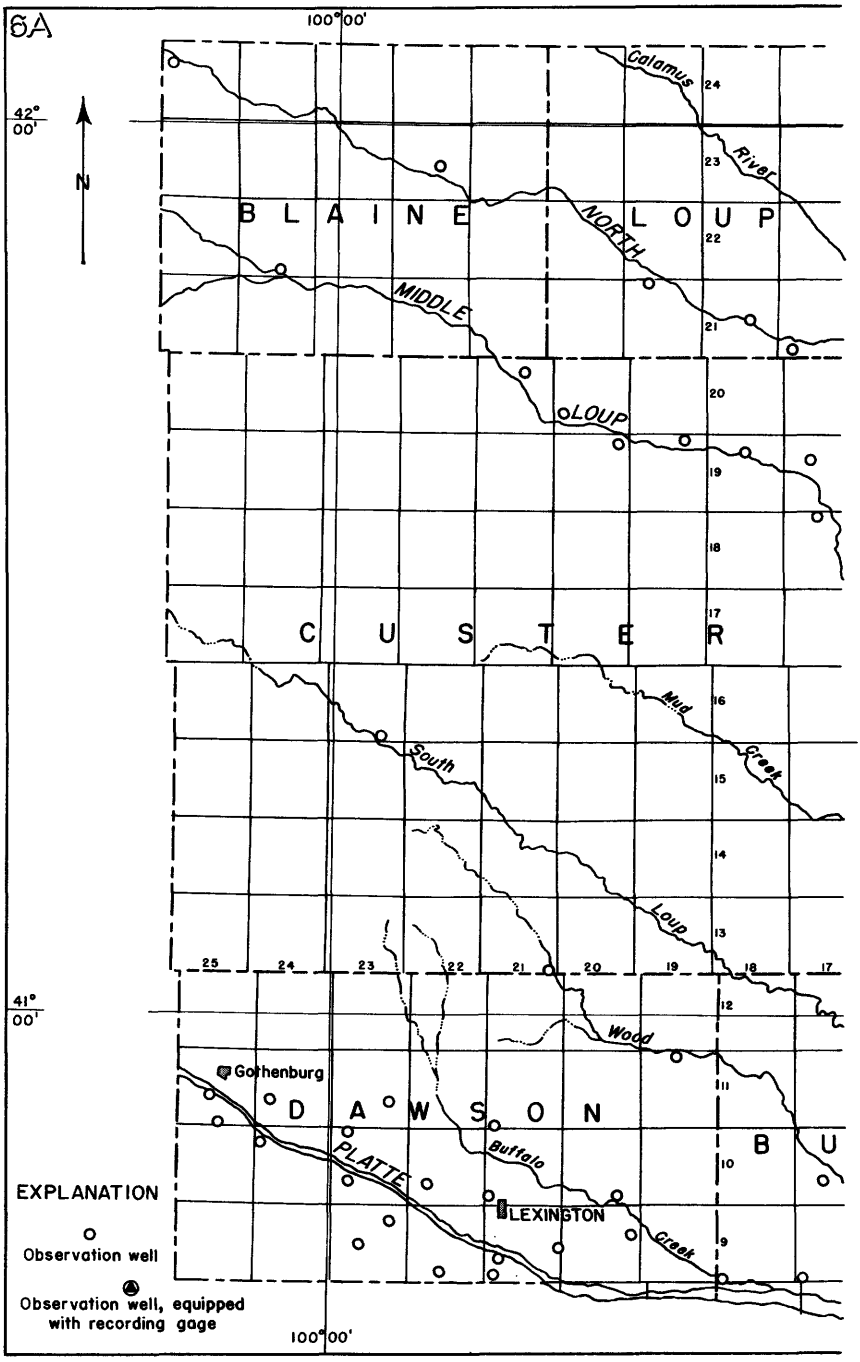
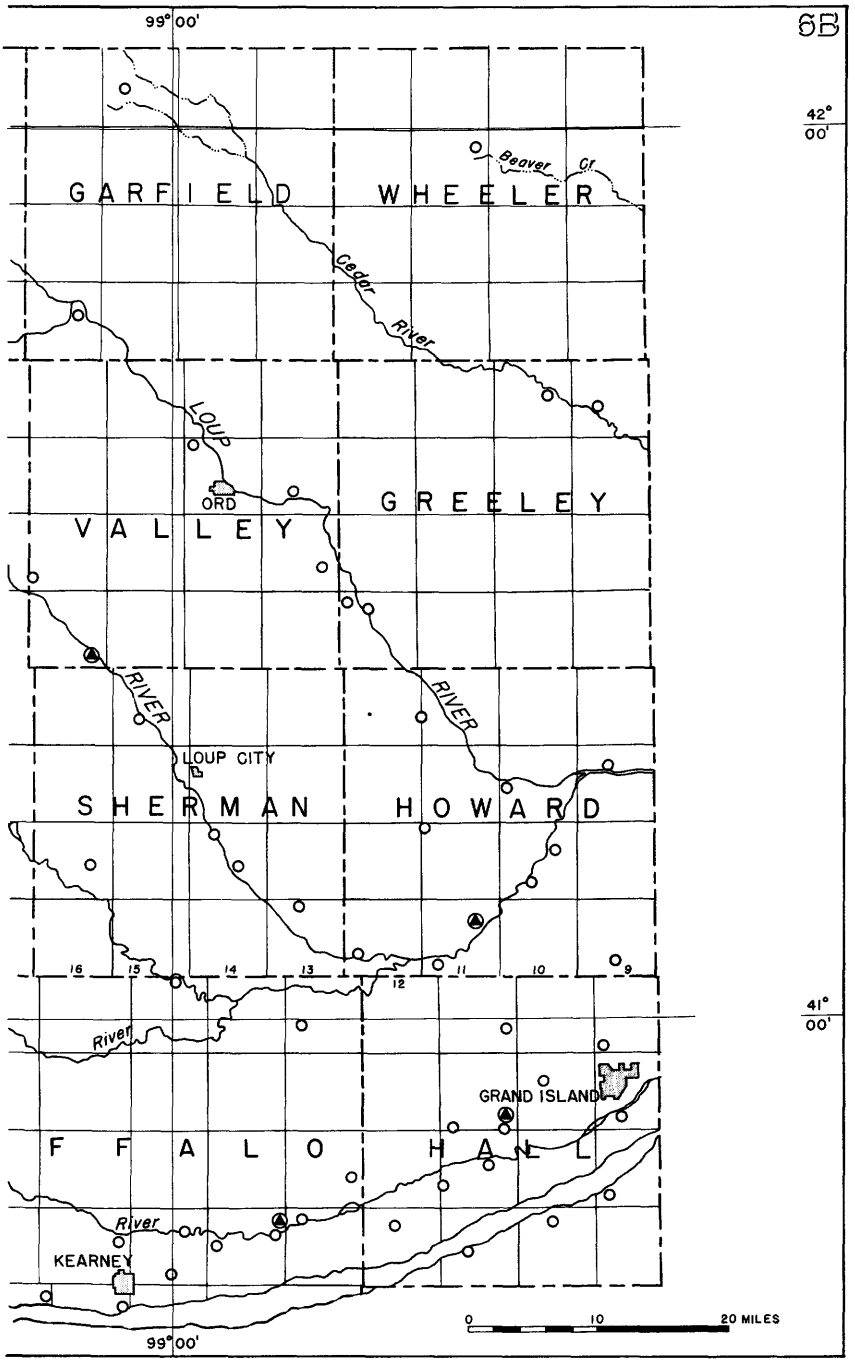


Figure 24. --Location of observation wells in Blaine, Buffalo, Custer, Dawson, Garfield,



Greeley, Hall, Howard, Loup, Sherman, Valley, and Wheeler Counties, Nebr., 1954.

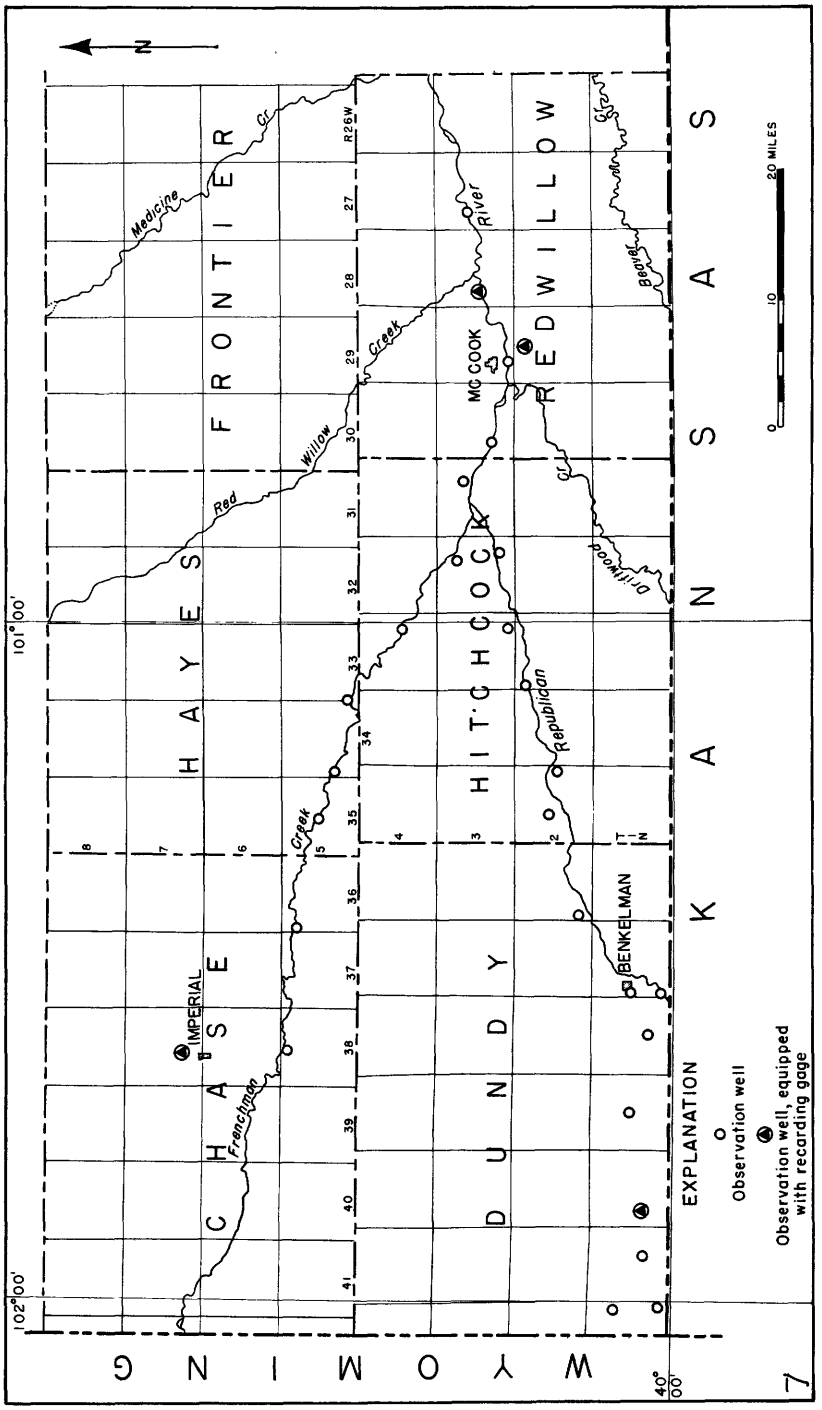


Figure 25. --Location of observation wells in Chase, Dundy, Hayes, Hitchcock, and Redwillow Counties, Nebr., 1954.

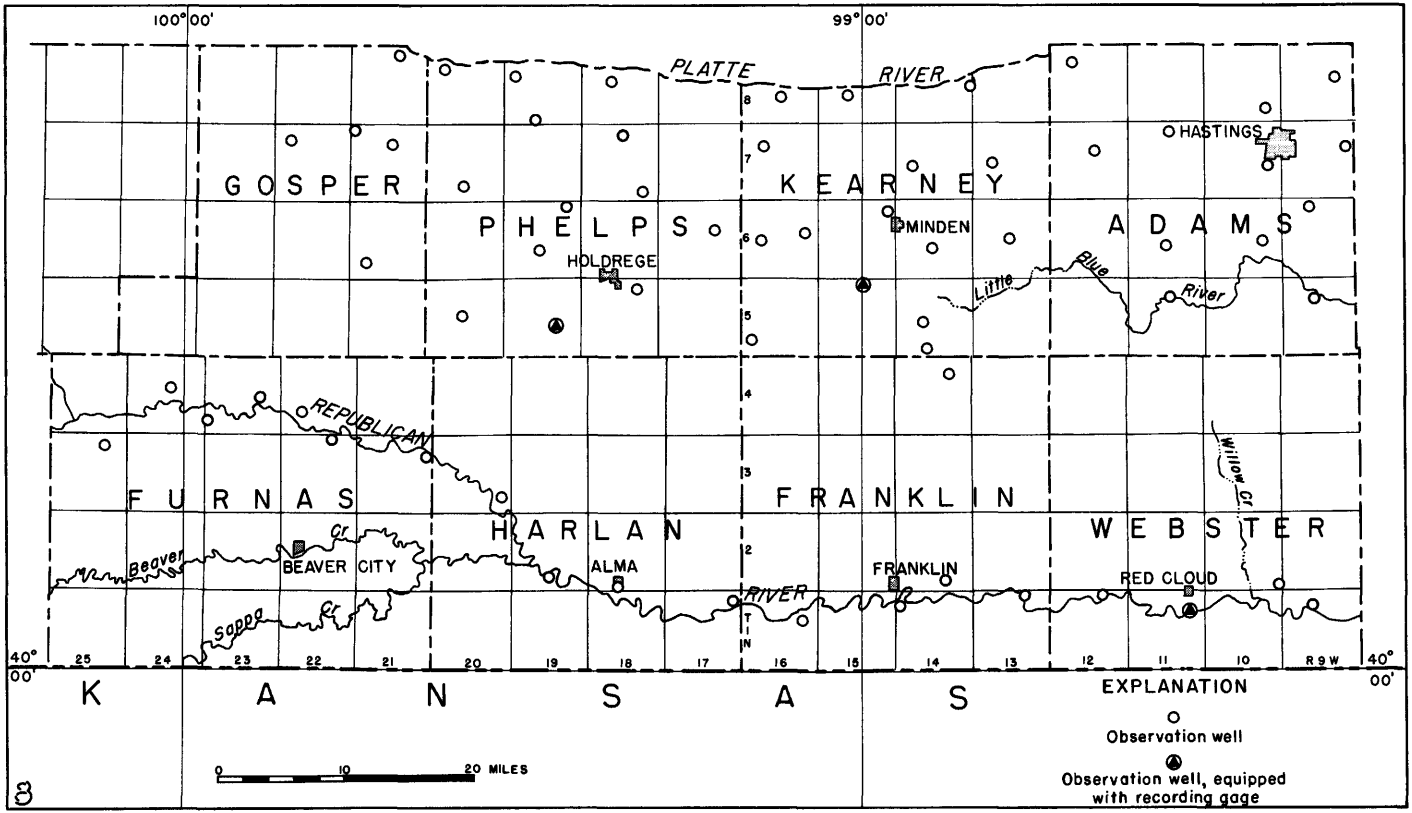


Figure 26. --Location of observation wells in Adams, Franklin, Furnas, Gosper, Harlan, Kearney, Phelps, and Webster Counties, Nebr., 1954.

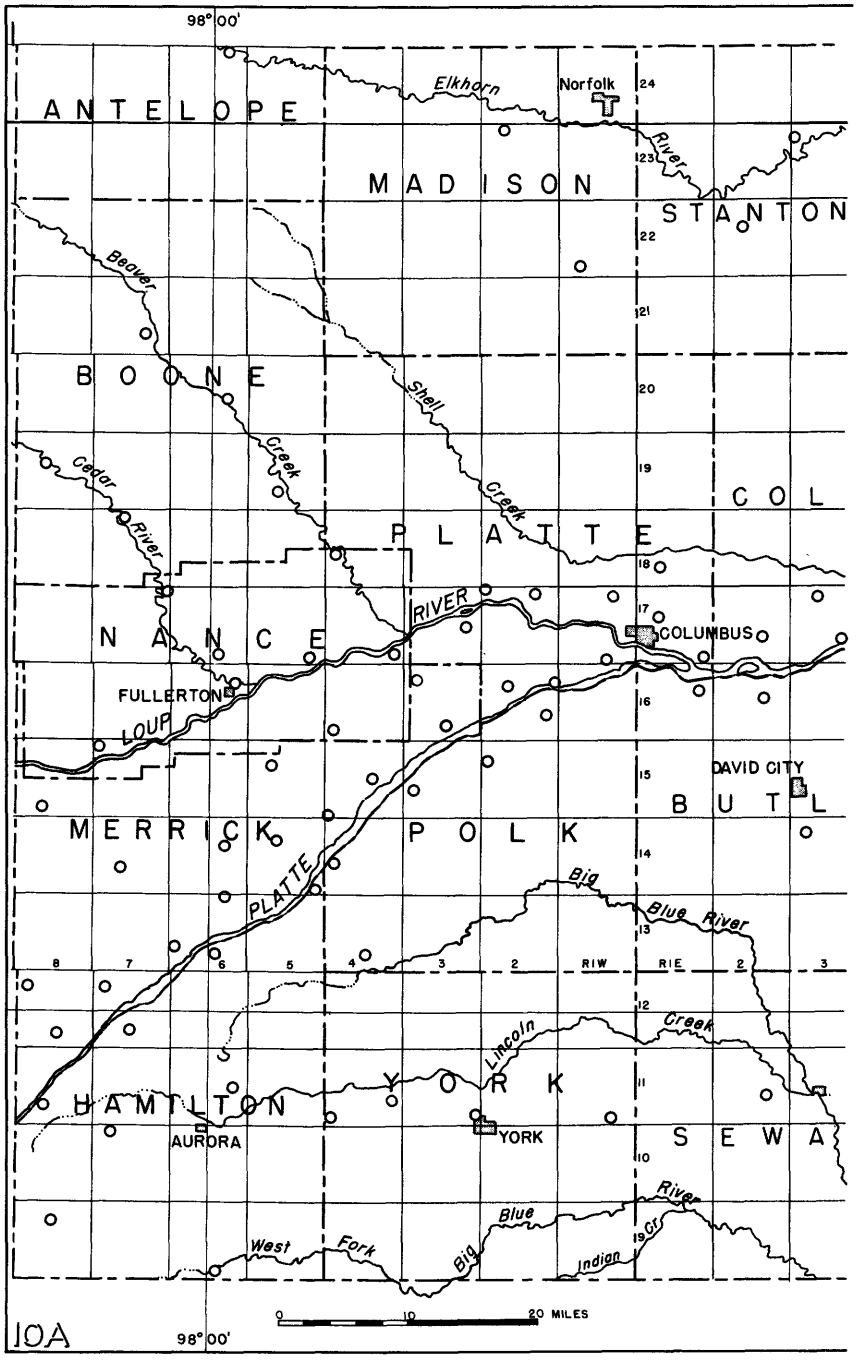
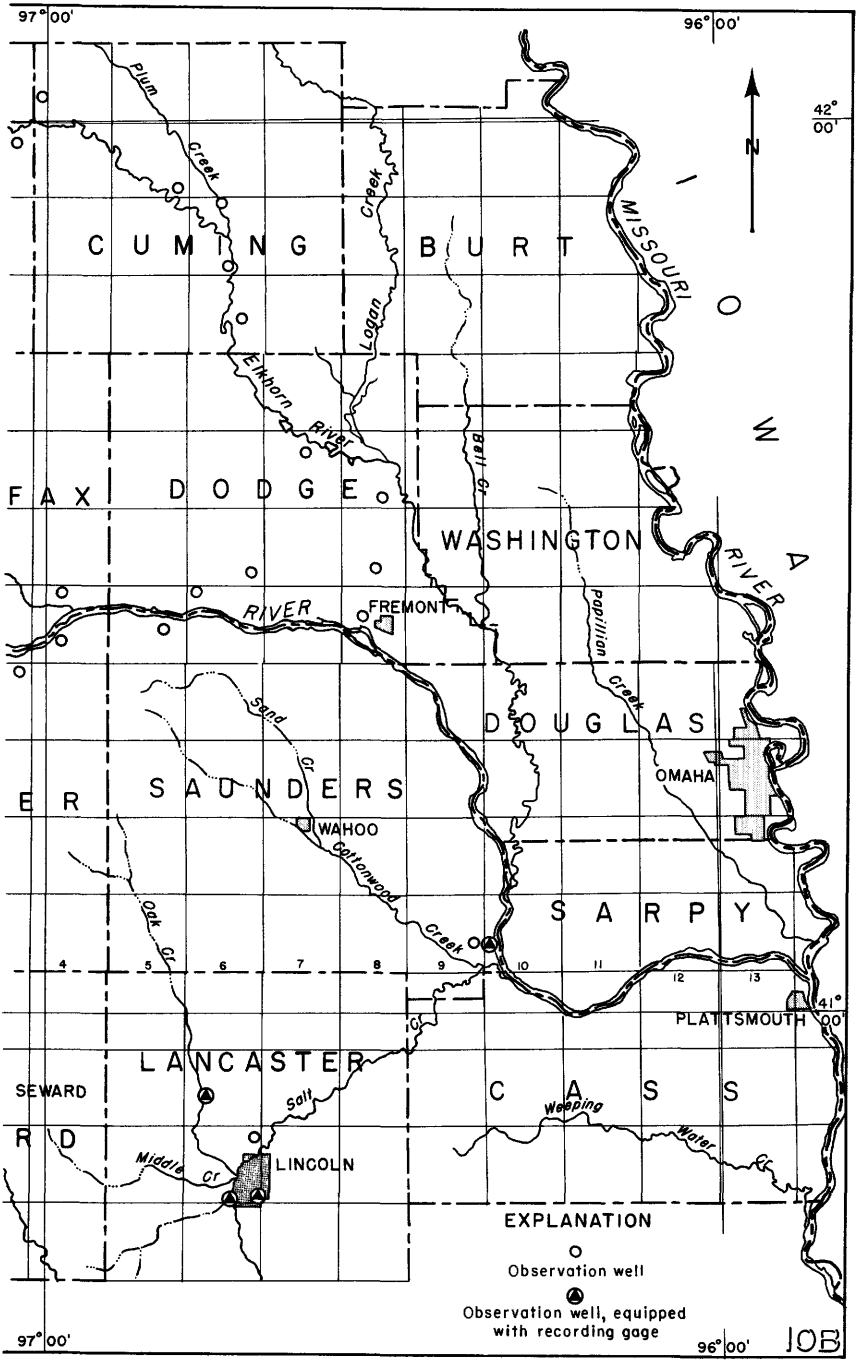


Figure 27.--Location of observation wells in Antelope, Boone, Merrick, Nance, Platte, Polk, Saunders,



Butler, Colfax, Cuming, Dodge, Hamilton, Lancaster, Madison, Seward, Stanton, and York Counties, Nebr., 1954.

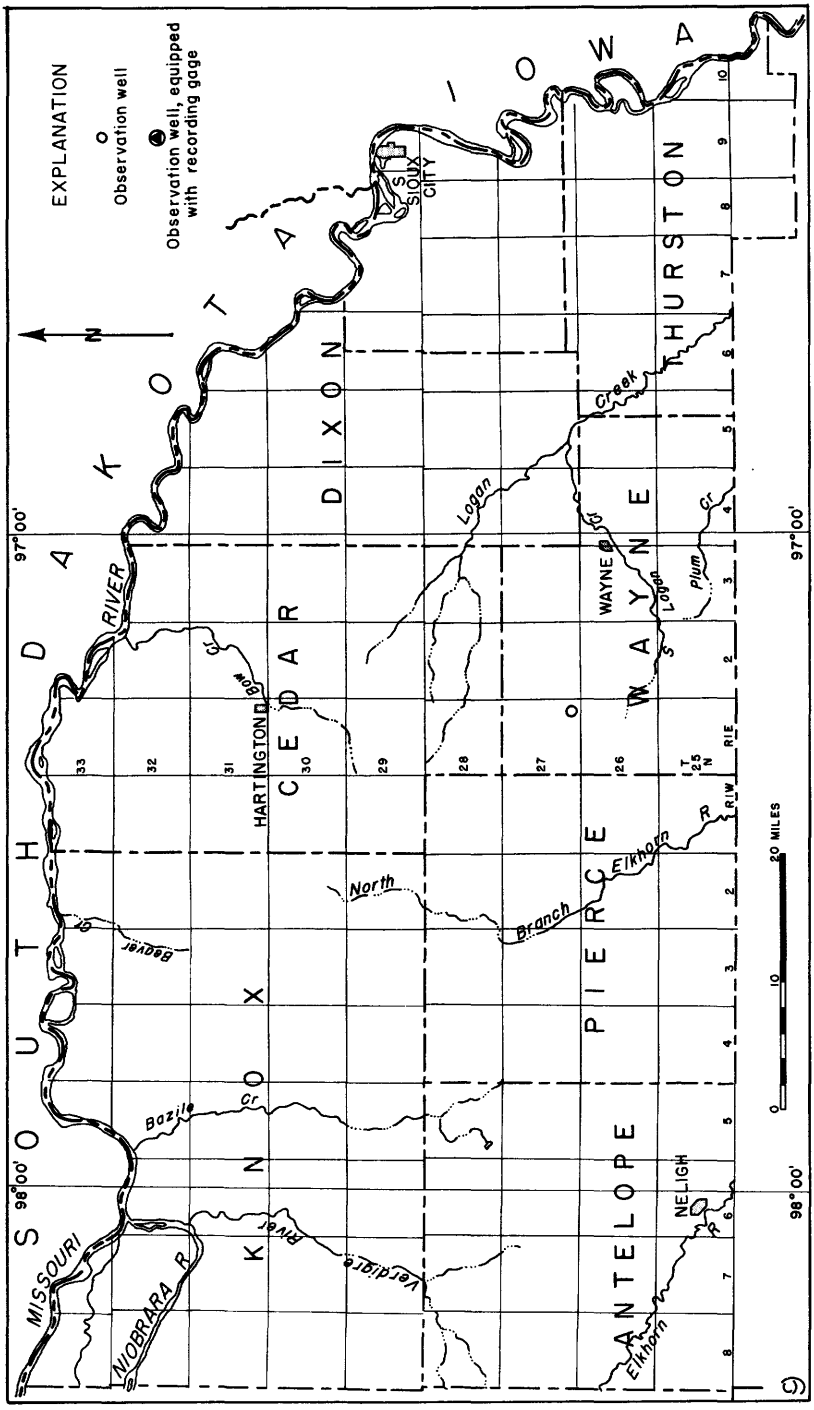


Figure 28.--Location of observation well in Wayne County, Nebr., 1954.

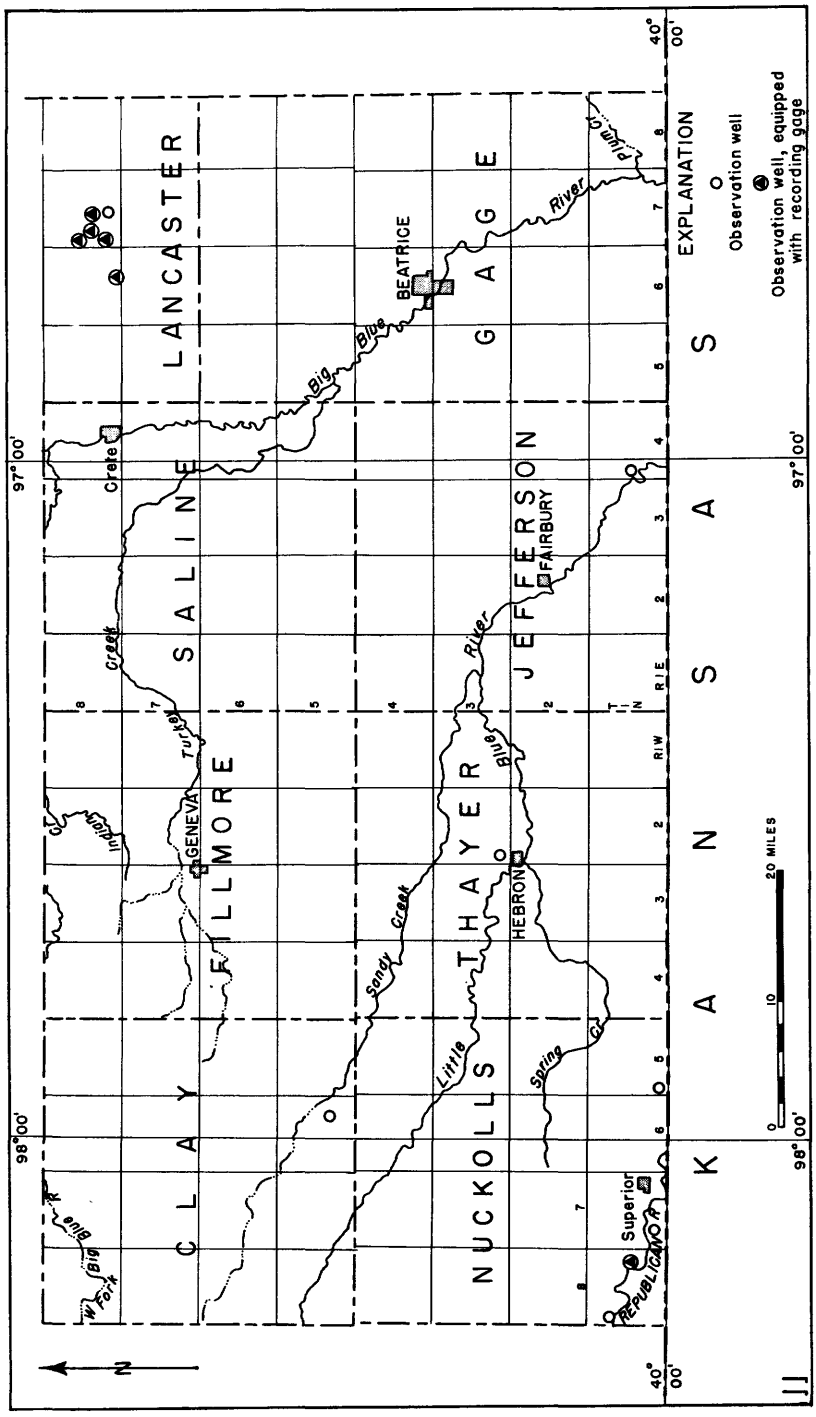


Figure 29. --Location of observation wells in Clay, Jefferson, Lancaster, Nuckolls, and Thayer Counties, Nebr., 1954.

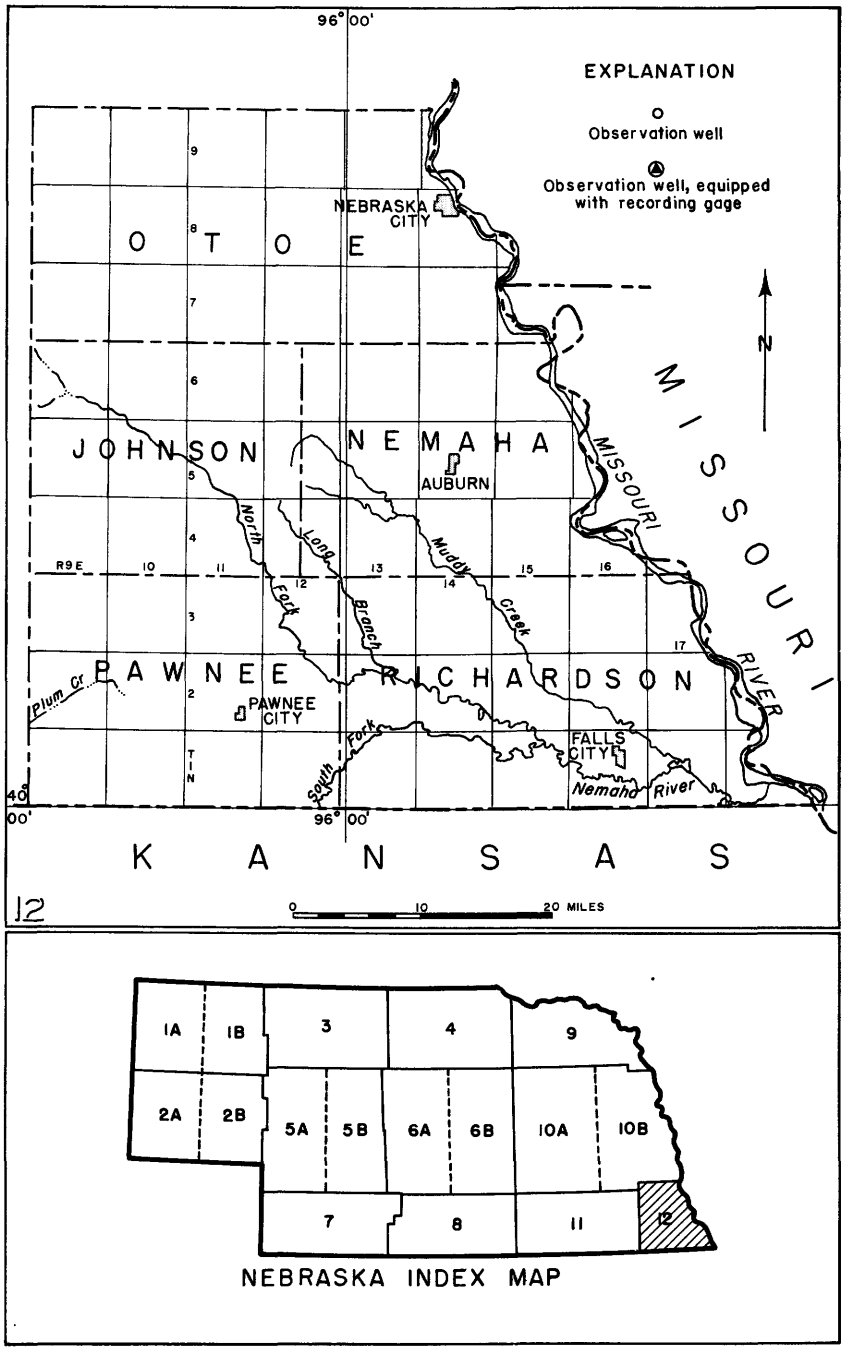


Figure 30. --Index map of Nebraska.

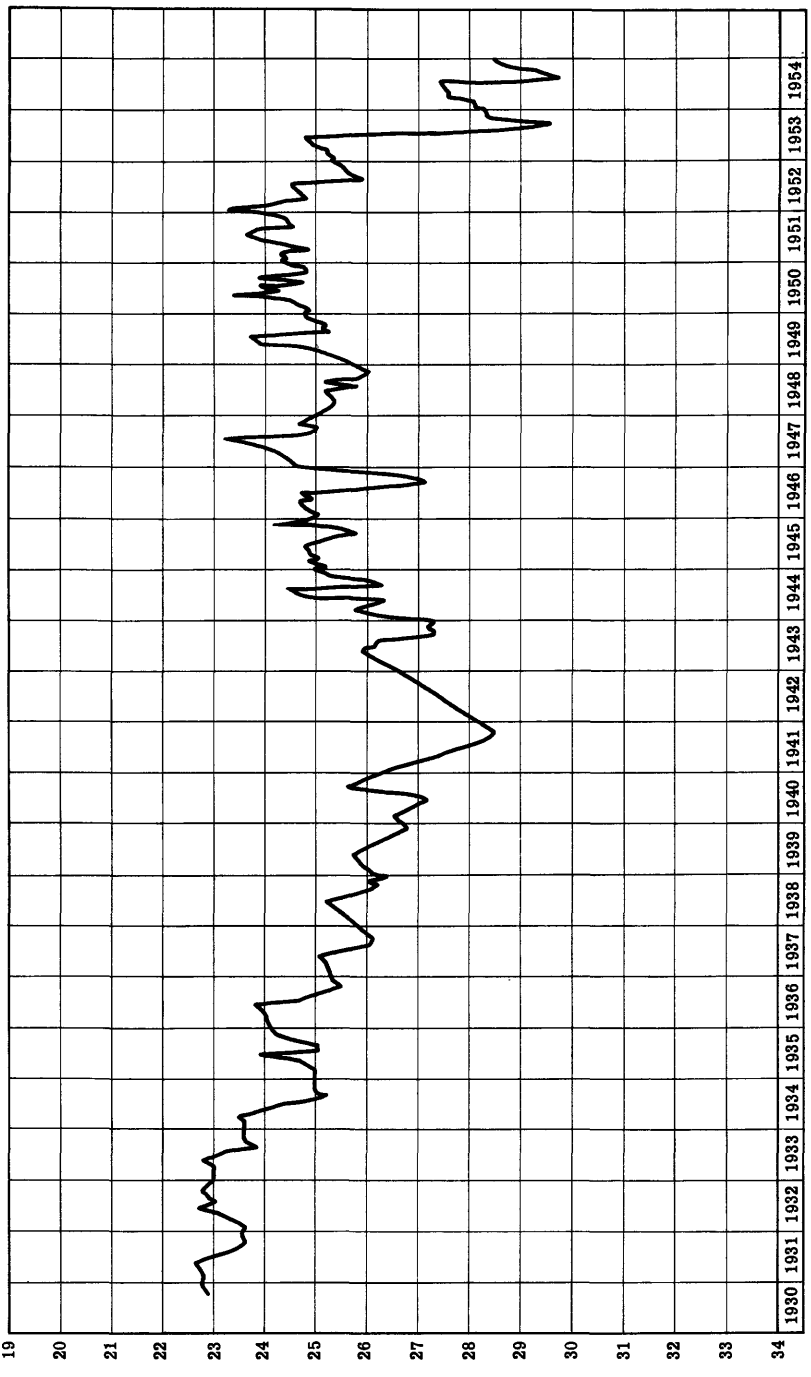


Figure 31.--Water level in well 9-14-18dd in lower Platte River valley, Buffalo County, Nebr., 1930-54.

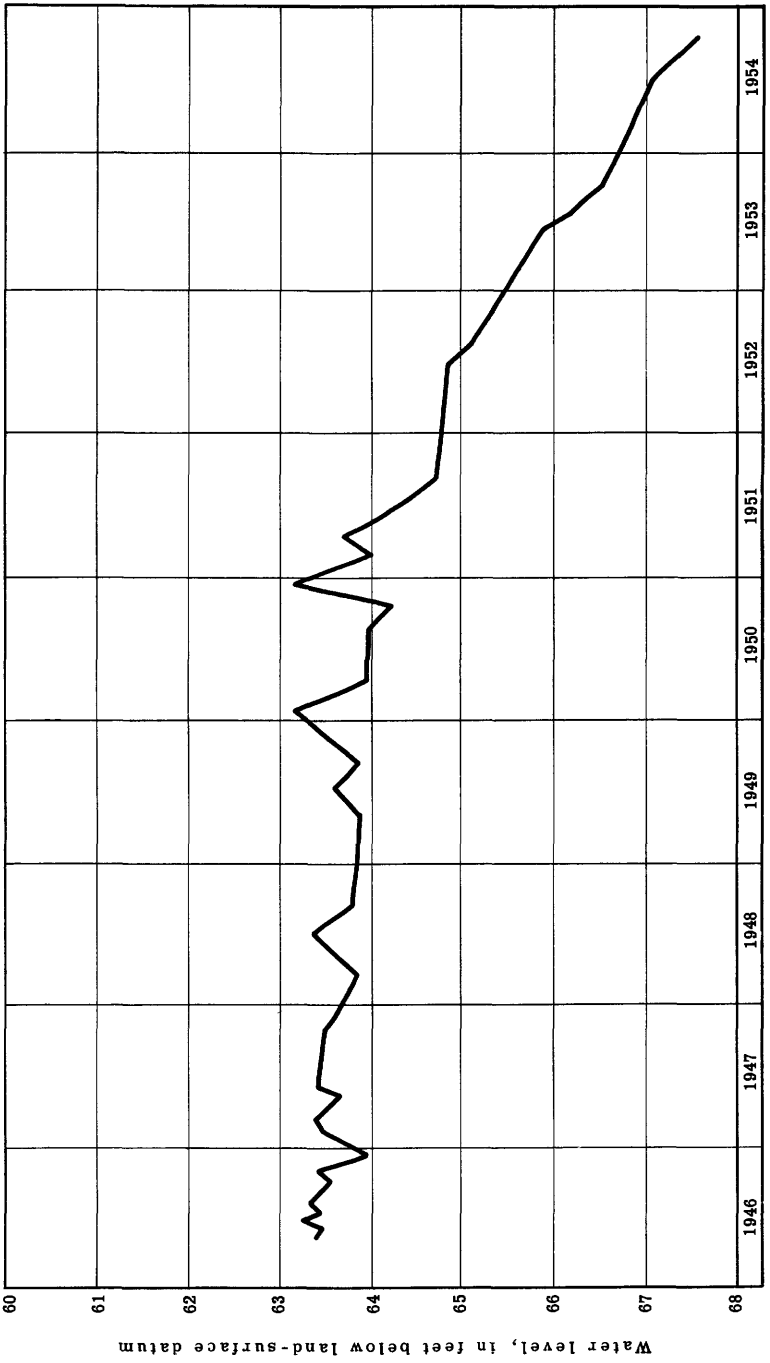


Figure 32.--Water level in well 25-48-4dddd1, Box Butte County, Nebr., 1946-54.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first digit of a well number indicates the township, the second the range, and the third the section in which the well is situated. Thus, the number A1-10-27adc indicates that the well is in the $SW\frac{1}{4}SE\frac{1}{4}NE\frac{1}{4}$ sec. 27, T. 1 N., R. 10 E. The first lowercase letter denotes the 160-acre tract, the second the 40-acre tract, the third the 10-acre tract. The letters are assigned in a counterclockwise direction, beginning in the northeast quarter. When there are more wells than one in the smallest tract, numbers are added as suffixes. The State has been divided into two principal divisions. The well numbers east of the sixth principal meridian are preceded by the capital letter A. Those west of the sixth principal meridian have no preceding letter.

Well Descriptions and Water-Level Measurements

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

Adams County

5-9-9dc. Dan McClarry. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 142 feet. Land-surface datum is 1,794.23 feet above msl. Highest water level 35.65 below lsd, May 26, 1949; lowest 37.74 below lsd, Dec. 16, 1954. Records available: 1947-54. Mar. 1, 37.47; Dec. 16, 37.74.

5-11-10cb. U. S. Geol. Survey. Drilled and driven observation water-table well in sand and gravel, diameter $1\frac{1}{4}$ inches, depth 13 feet. Records available: 1954. Dec. 16, 4.78.

6-9-4cb. J. P. Larson. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 145 feet. Land-surface datum is 1,891.85 feet above msl. Highest water level 102.62 below lsd, June 17, 1952; lowest 103.78 below lsd, Aug. 17, 1953. Records available: 1947-54. Dec. 16, 103.42.

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, 1946-54. Dec. 16, 6.58.

6-11-22cc. Lenard Parr. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 145 feet. Highest water level 90.26 below lsd, Oct. 24, 1951; lowest 91.83 below lsd, Mar. 15, 1951. Records available: 1950-54. Dec. 16, 90.94.

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 111.84 below lsd, Mar. 1, 1954. Records available: 1948-54. Mar. 1, 111.84; Dec. 15, 111.11.

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, 1948-54. Dec. 16, 103.17.

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: 1947-54. Dec. 16, 111.18.

7-12-15ca. Roscoe Karr. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 180 feet. Land-surface datum is 2,056.9 feet above msl. Highest water level 94.63 below lsd, Dec. 16, 1954; lowest 98.05 below lsd, Nov. 17, 1947. Records available: 1947-51, 1954. Dec. 16, 94.63.

8-9-14ac. Charles Anderson. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 149 feet. Land-surface datum is 1,907.71 feet above msl. Highest water level 107.78 below lsd, June 17, 1952; lowest 113.35 below lsd, Aug. 6, 1949. Records available: 1948-52, 1954. Dec. 15, 110.36.

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 97.56 below lsd, Dec. 15, 1954. Records available: 1948-52, 1954. Dec. 15, 97.56.

8-12-8ab. E. Woodman. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 85 feet. Land-surface datum is 2,009.14 feet above msl. Highest water level 6.15 below lsd, July 8, 1949; lowest 10.28 below lsd, Nov. 22, 1954. Records available: 1946-54. Nov. 22, 10.28.

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, 1944-54. Dec. 28, 3.24.

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. No measurement made in 1954.

Banner County

19-54-15bb. Bert Rodgers. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 50 feet. Highest water level 22.40 below lsd, July 13, 1949; lowest 32.81 below lsd, Sept. 19, 1952. Records available: 1949-52, 1954. Oct. 26, 23.78.

19-55-29ac. Fred Grant. Dug unused water-table well in sand of Pleistocene age, size 6 by 8 feet, depth 44 feet, concrete lining. Highest water level 26.38 below lsd, Oct. 27, 1938; lowest 36.40 below lsd, May 18, 1951. Records available: 1934-42, 1949-54. Oct. 26, 32.55.

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, 1941. Records available: 1934-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	3.70	Apr. 5	3.54	June 19	4.22	Nov. 2	4.63
24	5.03	21	3.13	July 12	5.06	15	4.48
Feb. 8	3.53	May 4	2.55	Sept. 14	5.14	29	4.32
23	3.64	17	3.34	22	5.27	Dec. 14	4.37
Mar. 10	3.82	June 2	3.50	Oct. 19	4.86	29	4.32

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, 1949-54. June 14, 15.98; Sept. 14, 16.36; Dec. 6, 16.29.

24-25-7aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 14 feet. Highest water level 4.89 below lsd, Apr. 2, 1937; lowest 6.56 below lsd, Aug. 31, 1954. Records available: 1936-42, 1954. Aug. 31, 6.56.

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, 1948-54. Aug. 25, 13.94.

19-5-28cd. Lawrence Bryan. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, reported depth 147 feet. Highest water level 31.62 below lsd, July 25, 1950; lowest 36.53 below lsd, Aug. 17, 1954. Records available: 1948-54. Aug. 17, 36.53.

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: 1948-54. Aug. 25, 46.06.

20-6-23bb. W. W. Redler. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 22 inches, depth 100 feet. Highest water level 28.15 below lsd, July 25, 1950; lowest 33.18 below lsd, Aug. 17, 1954. Records available: 1948-54. Aug. 17, 33.18.

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. No measurement made in 1954.

Box Butte County

24-47-1db. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 19 feet. Land-surface datum is 3,909.4 feet above msl. Highest water level 11.14 below lsd, Mar. 25, 1948; lowest 13.18 below lsd, Sept. 20, 1954. Records available: 1946-54. June 19, 12.33; Sept. 20, 13.18.

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 15.37 below lsd, Sept. 19, 1954. Records available: 1946-54. Sept. 19, 15.37.

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, 1954. June 19, 78.29.

24-52-35aa. G. Arthur Bailey. Drilled stock water-table well in Harrison sandstone of Tertiary age, diameter 4 inches, depth 120 feet. Highest water level 97.61 below lsd, July 22, 1940; lowest 99.13 below lsd, May 9, 1946. Records available: 1938-41, 1946-51, 1954. June 19, 97.98.

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 67.59 below lsd, Sept. 19, 1954. Records available: 1946-54. June 18, 67.08; Sept. 19, 67.59.

25-48-30ad. Mrs. Effie A. Wells. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 21 feet. Highest water level 12.54 below lsd, July 11, 1946; lowest 17.59 below lsd, Sept. 19, 1954. Records available: 1938-42, 1944, 1946-47, 1949-54. June 19, 15.48; Sept. 19, 17.59.

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, 1953-54. June 19, 102.12; Sept. 19, 102.46.

26-47-35dd. U. S. Géol. Survey. Driven observation water-table well in sandstone of Ogallala formation of Tertiary age, diameter $1\frac{1}{4}$ inches, depth 15 feet. Land-surface datum is 3,900.9 feet above msl. Highest water level 11.83 below lsd, Mar. 26, 1948; lowest 15.07 below lsd, Sept. 19, 1954. Records available: 1946-54. June 18, 13.70; Sept. 19, 15.07.

26-50-12dc. Mrs. L. A. Rosenberg. Dug domestic water-table well in sandstone of Tertiary age, concrete lining, diameter 4 feet, depth 106 feet. Land-surface datum is 4,231.51 feet above msl. Highest water level 99.59 below lsd, Sept. 19, 1954; lowest 102.38 below lsd, Nov. 12, 1946. Records available: 1938-42, 1946-51, 1953-54. June 18, 100.65; Sept. 19, 99.59.

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 93.24 below lsd, June 16, 1953; lowest 96.50 below lsd, Feb. 19, 1947. Records available: 1938-42, 1944, 1946-51, 1953-54. June 18, 95.38; Sept. 19, 95.36.

26-52-10bc. G. E. Dyer. Drilled irrigation water-table well in Harrison sandstone of Tertiary age, diameter 24 inches, depth 198 feet. Land-surface datum is 4,436 feet above msl. Highest water level 93.37 below lsd, July 22, 1938; lowest 105.56 below lsd, Sept. 19, 1954. Records available: 1938-40, 1942, 1946-54. June 18, 95.69; Sept. 19, 105.56.

27-47-23bad. J. F. Shramek. Drilled unused water-table well in Harrison sandstone of Tertiary age, diameter 6 inches, depth 64 feet. Land-surface datum is 3,889.77 feet above msl. Highest water level 16.34 below lsd, Sept. 13, 1949; lowest 29.94 below lsd, Nov. 2, 1940. Records available: 1938-42, 1944, 1946-52, 1954. June 18, 22.03; Sept. 19, 21.75.

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, 1944-54. June 18, 116.83; Sept. 19, 116.76.

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: 1946-54. June 18, 220.27; Sept. 19, 220.99.

28-51-6dd. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 11 feet. Land-surface datum is 4,115.33 feet above msl. Highest water level 1.62 below lsd, Jan. 24, 1950; lowest 4.18 below lsd, Sept. 19, 1954. Records available: 1935-42, 1944-51, 1953-54. June 18, 3.14; Sept. 19, 4.18.

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: 1947-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	35.50	35.63	.....	35.84	35.88	36.41	36.87	36.72	.....	.....
2	.....	35.42	35.54	35.64	.....	35.85	35.92	36.42	36.87	36.72	.....	36.49
3	.....	35.42	35.55	35.64	35.74	35.85	35.92	36.45	36.87	36.75	.....	.....
4	.....	35.43	35.55	35.64	35.74	35.85	35.93	36.48	36.89	36.75	.....	.....
5	.....	35.44	35.53	35.63	35.73	35.86	35.93	36.50	36.90	36.74	.....	.....
6	.....	35.45	35.55	35.62	35.73	35.87	35.93	36.52	36.90	36.74	.....	.....
7	.....	35.45	35.54	35.65	35.73	35.88	35.93	36.54	36.90	36.74	.....	.....
8	.....	35.45	35.52	35.65	.....	.....	35.94	36.56	36.91	36.71	36.54	.....
9	.....	35.43	35.50	35.63	.....	35.86	35.94	36.58	36.92	36.70	36.54	.....
10	.....	35.45	35.49	35.65	.....	35.86	35.95	36.59	36.92	36.69	36.53	.....
11	.....	35.47	35.57	35.68	35.69	35.86	35.97	36.61	36.91	36.68	36.53	.....
12	.....	.....	35.58	35.69	35.69	35.87	35.97	36.62	36.90	36.67	36.53	.....
13	.....	.....	35.59	35.69	35.68	35.87	36.00	36.64	36.89	36.67	36.52	.....
14	.....	.....	35.59	35.70	35.69	35.87	36.01	36.66	36.89	36.67	.....	36.47
15	.....	35.47	35.58	35.70	35.69	35.86	36.02	36.68	36.89	36.67	.....	36.47
16	.....	35.46	35.54	35.70	35.70	35.86	36.03	36.70	36.86	36.67	.....	36.47
17	.....	35.48	35.56	35.71	35.70	35.86	36.06	36.73	36.86	36.66	.....	36.48
18	.....	35.47	35.59	35.72	35.70	35.87	36.08	36.73	36.85	36.66	.....	36.48
19	.....	35.47	35.59	35.73	35.71	35.87	36.10	36.75	36.85	36.65	.....	36.48
20	.....	35.47	35.59	35.73	.....	35.86	36.12	36.76	36.84	36.64	.....	36.48
21	.....	35.49	35.59	.....	.....	35.87	36.14	36.79	36.84	36.63	.....	36.48
22	.....	35.49	35.59	.....	.....	35.88	36.17	36.80	36.84	36.63	.....	36.48
23	.....	35.50	35.59	.....	.....	35.88	36.18	36.81	36.80	36.62	.....	36.48
24	.....	35.49	35.62	.....	.....	35.87	36.21	36.82	36.80	36.62	.....	36.47
25	.....	35.48	35.61	.....	.....	35.87	36.23	36.83	36.80	36.62	.....	36.48
26	.....	35.47	35.62	.....	.....	35.88	36.25	36.84	36.78	36.61	.....	36.48
27	.....	35.51	35.62	.....	.....	35.87	36.28	36.85	36.76	36.61	.....	36.48
28	.....	35.51	35.63	.....	.....	35.88	36.30	36.86	36.73	36.60	.....	36.48
29	.....		35.63	.....	.....	35.88	36.32	36.86	36.73	.....	.....	36.48
30	.....		.....	.....	.....	35.88	36.36	36.87	36.73	.....	.....	36.47
31	.....		.....		.....		36.38	.....		.....		36.47

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 18.87 below lsd, Aug. 9, 1937. Records available: 1934-45, 1947-54. June 15, 14.44; Sept. 15, 17.38; Dec. 8, 16.69.

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, 1947-54. June 15, 36.70; Sept. 15, 37.57; Dec. 6, 36.96.

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: 1950-54. June 16, 0.96; Sept. 15, 2.37; Dec. 6, 2.16.

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, 1932-54. Apr. 14, 5.16; Nov. 13, 6.13.

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: 1931-54. Apr. 14, 8.22; Nov. 18, 9.08.

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 24.40 below lsd, Nov. 18, 1954. Records available: 1930-54. Apr. 15, 22.44; Nov. 18, 24.40.

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 23.00 below lsd, Aug. 14, 1954. Records available: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	20.92	20.85	20.74	20.65	20.45	20.30	22.68	22.66	22.40	22.35	22.32
2	.....	20.92	20.84	20.73	20.65	20.46	20.30	22.73	22.70	22.40	22.35	22.32
3	.....	20.92	20.84	20.72	20.66	20.46	20.30	22.79	22.76	22.40	22.35	22.32
4	.....	20.92	20.83	20.72	20.67	20.45	20.35	22.85	22.80	22.40	22.35	22.31
5	.....	20.92	20.83	20.71	20.67	20.45	20.44	22.91	22.81	22.40	22.35	22.30
6	.....	20.92	20.83	20.71	20.67	20.44	20.52	22.95	22.85	22.40	22.34	22.30
7	.....	20.92	20.82	20.69	20.67	20.43	20.58	22.95	22.86	22.40	22.34	22.30
8	.....	20.92	20.82	20.68	20.66	20.42	20.67	22.94	22.86	22.40	22.34	22.30
9	.....	20.91	20.82	20.68	20.65	20.42	20.78	22.91	22.81	22.40	22.34	22.30
10	.....	20.90	20.81	20.67	20.65	20.42	20.93	22.86	22.72	22.40	22.34	22.30
11	20.96	20.90	20.80	20.67	20.64	20.40	21.05	22.87	22.67	22.39	22.34	22.30
12	20.96	20.90	20.79	20.68	20.64	20.40	21.19	22.96	22.62	22.38	22.34	22.30
13	20.96	20.88	20.79	20.68	20.63	20.39	21.34	22.99	22.57	22.38	22.33	22.29
14	20.96	20.88	20.80	20.67	20.63	20.38	21.50	23.00	22.55	22.38	22.33	22.29
15	20.96	20.88	20.80	20.67	20.62	20.38	21.65	22.98	22.52	22.38	22.33	22.28
16	20.96	20.88	20.80	20.66	20.61	20.38	21.79	22.90	22.50	22.37	22.32	22.28
17	20.96	20.88	20.79	20.66	20.61	20.38	21.90	22.83	22.48	22.37	22.32	22.28
18	20.95	20.87	20.78	20.66	20.61	20.38	21.97	22.77	22.47	22.37	22.35	22.28
19	20.95	20.85	20.76	20.65	20.62	20.37	22.05	22.73	22.46	22.37	22.35	22.27
20	20.95	20.86	20.77	20.65	20.62	20.36	22.11	22.69	22.45	22.37	22.34	22.27
21	20.95	20.87	20.77	20.65	20.62	20.35	22.18	22.65	22.44	22.37	22.34	22.27
22	20.95	20.87	20.77	20.65	20.61	20.35	22.22	22.62	22.43	22.37	22.34	22.27
23	20.95	20.87	20.77	20.66	20.59	20.31	22.25	22.58	22.42	22.37	22.34	22.25
24	20.95	20.87	20.77	20.66	20.58	20.31	22.29	22.56	22.42	22.36	22.33	22.25
25	20.94	20.85	20.76	20.66	20.56	20.31	22.34	22.54	22.42	22.36	22.33	22.25
26	20.94	20.85	20.77	20.66	20.56	20.31	22.40	22.52	22.42	22.36	22.33	22.25
27	20.94	20.85	20.77	20.66	20.48	20.31	22.45	22.50	22.41	22.36	22.33	22.25
28	20.94	20.85	20.76	20.65	20.47	20.31	22.48	22.54	22.40	22.36	22.32	22.25
29	20.94		20.75	20.64	20.46	20.30	22.55	22.58	22.40	22.35	22.32	22.25
30	20.93		20.75	20.64	20.45	20.30	22.61	22.62	22.40	22.35	22.32	22.24
31	20.93		20.74		20.45		22.67	22.62		22.35		22.24

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: 1930-54. Apr. 15, 21.89.

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 30.70 below lsd, Sept. 15, 1954. Records available: 1930-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	28.15	Apr. 20	27.60	July 15	29.50	Oct. 15	30.30
Feb. 15	28.10	May 18	27.50	Aug. 15	29.90	Nov. 23	29.70
Mar. 16	27.60	June 18	27.45	Sept. 15	30.70	Dec. 17	29.50

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, 1944-54. Apr. 15, 29.12; Nov. 18, 32.32.

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, 1945-54. Apr. 15, 21.80; Nov. 18, 23.61.

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 33.09 below lsd, Nov. 18, 1954. Records available: 1948-54. Apr. 14, 30.06; Nov. 18, 33.09.

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: 1946-54. Apr. 14, 11.05; Nov. 18, 13.57.

9-18-31cc. Mrs. Dworak. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 32 feet. Land-surface datum is 2,274.59 feet above msl. Highest water level 7.38 below lsd, Oct. 8, 1946; lowest 13.17 below lsd, Nov. 18, 1954. Records available: 1946-54. Apr. 14, 11.57; Nov. 18, 13.17.

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 26.99 below lsd, Nov. 18, 1954. Records available: 1930-40, 1944, 1946-54. Apr. 15, 25.30; Nov. 18, 26.99.

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, 1949-54. Apr. 14, 28.44; Nov. 18, 29.86.

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: 1950-54. Mar. 11, 25.68; Dec. 3, 25.61.

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 31.38 below lsd, Dec. 3, 1954. Records available: 1950-54. Apr. 2, 30.47; Dec. 3, 31.38.

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, 1953-54. May 27, 12.56; Dec. 14, 12.52.

A16-1-14ad. Frank Kryzinger. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 33 feet. Land-surface datum is 1,434.34 feet above msl. Highest water level 5.38 below lsd, Apr. 19, 1949; lowest 8.19 below lsd, Nov. 12, 1953. Records available: 1946-50, 1952-54. May 27, 7.75.

A16-2-14cc. U. S. Geol. Survey. Driven observation water-table well in fine sand, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 1,419.64 feet above msl. Highest water level 2.68 below lsd, Apr. 2, 1952; lowest 8.04 below lsd, Dec. 14, 1954. Records available: 1946-54. May 27, 6.59; Dec. 14, 8.04.

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 14.07 below lsd, Dec. 14, 1954. Records available: 1946-54. May 25, 12.33; Dec. 14, 14.07.

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 22.76 below lsd, Dec. 14, 1954. Records available: 1946-54. May 25, 21.55; Dec. 14, 22.76.

Chase County

*5-36-7ba. U. S. Geol. Survey. Driven observation water-table well in limestone of Ogallala formation, diameter $1\frac{1}{4}$ inches, depth 19 feet. Highest water level 14.93 below lsd, June 9, 1949; lowest 16.86 below lsd, Dec. 7, 1950. Records available: 1946-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 25, 1953	15.97	Aug. 28, 1953	15.85	Jan. 29, 1954	16.58	June 11, 1954	16.14
Apr. 24	15.91	Sept. 29	15.94	Mar. 16	16.57	July 17	15.94
May 22	15.90	Oct. 27	16.32	Apr. 19	16.63	Sept. 13	15.48
June 23	15.95	Nov. 24	16.55	May 7	16.03	Nov. 12	16.53
July 17	15.84	Jan. 5, 1954	16.64				

*See Water-Supply Paper 1267, p. 136 for other 1953 measurements.

5-38-4aa. U. S. Bureau of Reclamation. Jetted observation water-table well in sand and gravel, diameter 1¼ inches, depth 23 feet. Land-surface datum is 3,151.20 feet above msl. Highest water level 10.79 below lsd, June 9, 1949; lowest 11.58 below lsd, Nov. 12, 1954. Records available: 1949-50, 1954. Nov. 12, 11.58.

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, 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	74.73	74.82	74.81	75.08	74.90	74.91	74.98	75.19	75.28	75.28	75.34	75.34
2	74.85	74.75	74.83	75.00	74.95	74.99	75.07	75.16	75.23	75.27	75.28	75.20
3	74.80	74.76	74.82	74.97	74.95	74.98	75.04	75.18	75.29	75.28	75.30	75.17
4	74.87	74.79	74.75	75.03	74.85	74.92	75.03	75.23	75.35	75.37	75.30	75.27
5	74.84	74.81	74.72	75.13	74.85	74.81	75.02	75.21	75.36	75.38	75.23	75.30
6	74.80	74.82	74.67	75.10	74.90	74.95	75.03	75.22	75.35	75.40	75.22	75.24
7	74.72	74.79	74.80	75.02	74.89	74.96	75.02	75.21	75.35	75.30	75.24	75.15
8	74.81	74.73	74.75	75.12	74.89	74.90	74.98	75.26	75.36	75.23	75.27	75.22
9	74.87	74.69	74.67	75.16	74.94	74.86	74.95	75.20	75.41	75.23	75.28	75.22
10	74.83	74.32	74.60	75.08	74.91	74.90	75.00	75.20	75.39	75.22	75.29	75.18
11	74.86	74.85	74.55	74.96	74.90	74.94	75.06	75.23	75.34	75.21	75.33	75.30
12	74.85	74.73	74.87	75.00	74.88	74.93	75.03	75.22	75.28	75.28	75.23	75.30
13	74.68	74.64	74.90	75.16	74.87	74.90	75.13	75.24	75.38	75.37	75.30	75.15
14	74.73	74.71	74.80	75.13	74.90	74.93	75.13	75.23	75.39	75.40	75.30	75.26
15	74.83	74.83	74.83	75.05	74.91	74.91	75.07	75.24	75.30	75.32	75.14	75.18
16	74.83	74.82	75.02	75.15	74.92	74.98	75.08	75.26	75.28	75.27	75.17	75.22
17	74.80	74.72	75.08	.....	74.94	75.07	75.10	75.23	75.29	75.27	75.25	75.21
18	74.77	74.69	75.06	.....	74.91	75.05	75.09	75.23	75.30	75.31	75.26	75.20
19	74.82	74.80	75.01	74.87	74.94	75.02	75.12	75.26	75.31	75.26	75.23	75.23
20	74.93	74.77	75.04	74.91	74.87	75.01	75.12	75.25	75.40	75.28	75.20	75.19
21	74.85	74.81	75.01	74.93	74.83	75.05	75.18	75.29	75.41	75.30	75.23	75.18
22	74.76	74.80	74.95	74.88	74.88	74.99	75.17	75.32	75.29	75.29	75.22	75.16
23	74.74	74.78	75.11	74.80	74.95	74.92	75.12	75.29	75.29	75.23	75.24	75.22
24	74.81	74.66	75.11	74.87	74.97	74.95	75.13	75.22	75.35	75.24	75.23	75.13
25	74.85	74.74	75.03	74.80	74.89	75.01	75.15	75.22	75.34	75.28	75.17	75.15
26	74.83	74.74	75.02	74.88	74.76	74.98	75.13	75.26	75.28	75.38	75.17	75.19
27	74.89	74.80	75.02	74.88	74.87	75.03	75.13	75.32	75.20	75.32	75.17	75.25
28	74.76	74.76	75.06	74.78	74.90	75.08	75.13	75.31	75.30	75.30	75.24	75.24
29	74.89		75.07	74.90	74.90	75.06	75.14	75.33	75.37	75.30	75.25	75.08
30	74.89		75.97	74.90	74.88	74.99	75.23	75.27	75.37	75.26	75.34	75.12
31	74.82		75.10		74.97		75.20	75.25		75.27		75.06

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 1.05 below lsd, Feb. 5, 1954; lowest 5.48 below lsd, Feb. 26, 1951. Records available: 1950-54. Feb. 5, 1.05; June 16, 1.57; Sept. 16, 4.50; Dec. 7, 4.45; Dec. 27, 1.20.

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 0.61 below lsd, June 16, 1954; lowest 4.50 below lsd, Nov. 2, 1949. Records available: 1949-54. Feb. 5, 1.27; June 16, 0.61; Aug. 18, 3.88; Sept. 16, 4.03; Dec. 7, 3.70; Dec. 27, 3.50.

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: 1950-54. June 16, 2.58; Sept. 16, 3.86; Dec. 7, 3.77.

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: 1949-54. June 16, 1.88; Aug. 19, 4.25; Sept. 16, 3.89; Dec. 7, 2.77.

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 0.20 below lsd, June 3, 1954; lowest 3.63 below lsd, Aug. 18, 1952. Records available: 1949-54.

30-29-14ac--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 3	0.20	Aug. 11	3.15	Sept. 16	3.15	Dec. 7	2.97
17	1.81	Sept. 9	3.10	Nov. 19	3.18	27	3.08

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: 1949-54. June 17, 1.29; Sept. 17, 3.45; Dec. 7, 2.42.

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. Measurement discontinued.

31-25-21bd. U. S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 20 feet. Highest water level 0.10 below lsd, Mar. 27, 1952; lowest 6.38 below lsd, Sept. 12, 1936. Records available: 1936-54. June 16, 2.08; Dec. 8, 3.76.

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 4.09 below lsd, Sept. 16, 1954. Records available: 1950-54. June 16, 0.64; Sept. 16, 4.09; Dec. 7, 3.32.

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: 1950-54. June 17, +0.26; Sept. 17, 2.69; Dec. 7, 2.47.

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: 1950-54. June 16, 5.99; Sept. 16, 6.20; Dec. 7, 6.68.

33-27-17cb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 9 feet. Land-surface datum is 2,408.92 feet above msl. Highest water level 1.52 below lsd, Dec. 29, 1951; lowest 3.38 below lsd, Aug. 9, 1937. Records available: 1936-48, 1950-54. June 16, 1.53; Sept. 17, 2.11; Dec. 7, 1.84.

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 1954.

34-31-3ad. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 17 feet. Highest water level 1.25 below lsd, June 6, 1935; lowest 5.47 below lsd, Oct. 31, 1940. Records available: 1934-47, 1954. Sept. 17, 2.51.

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, 1951-54. June 18, 6.11; Sept. 17, 7.30.

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, 1951-54. June 18, 5.30; Sept. 17, 7.09.

Cheyenne County

14-47-26cb. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 1 inch, depth 29 feet. Highest water level 18.32 below lsd, Mar. 28, 1951; lowest 20.82 below lsd, Nov. 9, 1940. Records available: 1940-42, 1944, 1947, 1950-52, 1954. Oct. 27, 20.51.

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: 1950-54. Oct. 27, 36.30.

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: 1950-54. Oct. 27, 24.98.

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. Oct. 28, 33.72.

14-52-5cb. Formerly 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 30.40 below lsd, Oct. 27, 1954. Records available: 1934-40, 1950-52, 1954. Oct. 27, 30.40.

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 40.35 below lsd, Oct. 27, 1954. Records available: 1950-52, 1954. Oct. 27, 40.35.

Clay County

5-6-26bd. B. W. Merrill. Drilled unused water-table well in sand of Pleistocene age, diameter 4 inches, depth 86 feet. Highest water level 74.17 below lsd, June 24, 1954; lowest 77.09 below lsd, July 18, 1948. Records available: 1948-50, 1952-54. Mar. 1, 74.66; June 24, 74.17; Aug. 19, 74.91; Sept. 9, 75.05; Oct. 22, 75.00; Dec. 10, 75.07.

Colfax County

A17-2-22dd. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 1,385.01 feet above msl. Highest water level 3.49 below lsd, May 3, 1951; lowest 7.40 below lsd, Dec. 14, 1954. Records available: 1946-54. May 25, 6.05; Dec. 14, 7.40.

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: 1946-54. May 25, 5.56; Dec. 14, 6.00.

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: 1946-54. May 25, 4.24; Dec. 14, 4.82.

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: 1945-54. May 25, 14.88; Dec. 14, 16.32.

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, 1950-54. Dec. 16, 4.76.

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: 1950-54. Dec. 16, 9.32.

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: 1950-54. Dec. 16, 7.36.

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 10.85 below lsd, Dec. 16, 1954. Records available: 1950-54. Dec. 16, 10.85.

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: 1950-54. Dec. 16, 10.82.

Custer County

13-21-36ca. Jack Lyons. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 123 feet. Highest water level 50.55 below lsd, May 30, 1951; lowest 52.84 below lsd, Nov. 18, 1954. Records available: 1950-54. May 6, 51.78; Nov. 18, 52.84.

16-23-35cb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 29 feet. Highest water level 20.71 below lsd, Nov. 26, 1936; lowest 23.09 below lsd, Aug. 10, 1937. Records available: . 1936-42, 1951, 1954. May 6, 22.22.

18-17-4ac. Ben Tvrdik. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 32 inches, depth 108 feet. Land-surface datum is 2,274.18 feet above msl. Highest water level 11.53 below lsd, Aug. 12, 1954; lowest 12.63 below lsd, Dec. 29, 1953. Records available: 1950-54. Apr. 5, 12.36; Aug. 12, 11.53.

19-17-9ca. R. E. Probert. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 18 inches, depth 170 feet. Land-surface datum is 2,335.4 feet above msl. Highest water level 65.43 below lsd, July 17, 1953; lowest 73.99 below lsd, Aug. 13, 1954. Records available: 1949-54. Aug. 13, 73.99.

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, 1948-54. Apr. 5, 12.93; Aug. 12, 13.59.

19-19-2bb. Ralph Slagel. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches. Land-surface datum is 2,361.95 feet above msl. Highest water level 15.56 below lsd, Sept. 11, 1951; lowest 19.41 below lsd, Sept. 1, 1954. Records available: 1949-54. Apr. 5, 17.73; Sept. 1, 19.41.

19-20-1cd. Frank Wells. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches. Land-surface datum is 2,398.03 feet above msl. Highest water level 10.18 below lsd, May 22, 1951; lowest 14.38 below lsd, Aug. 12, 1954. Records available: 1949-54. Apr. 5, 11.83; Aug. 12, 14.38.

20-20-30aa. Ted Holmes. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 77 feet. Land-surface datum is 2,445.91 feet above msl. Highest water level 31.72 below lsd, Sept. 12, 1951; lowest 33.20 below lsd, Aug. 12, 1954. Records available: 1949-54. Aug. 12, 33.20.

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 21.97 below lsd, Sept. 1, 1954. Records available: 1949-54. Apr. 5, 20.96; Sept. 1, 21.97.

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: 1934-54. Feb. 9, 20.40; Apr. 7, 20.39; June 30, 19.58; Sept. 9, 20.83; Oct. 6, 21.27, Nov. 3, 21.23, Nov. 29, 21.22.

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: 1930-54. Apr. 27, 10.82; Nov. 23, 12.96.

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, 1945-54. Nov. 23, 5.79.

9-21-29bc. U. S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diameter $1\frac{1}{2}$ 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: 1930-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 26	2.90	May 11	2.97	Sept. 17	4.22	Nov. 23	3.37
Mar. 9	3.07	June 17	3.55	28	4.20	Dec. 30	3.26
Apr. 27	3.23						

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: 1930-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 9	g9.64	May 11	9.22	Sept. 18	11.82	Nov. 23	11.02
Apr. 27	9.47	June 17	g9.25	28	g16.60	Dec. 30	g10.70

g 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: 1949-54. May 11, 28.38; Nov. 24, 28.20.

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: 1945-54. May 11, 14.83; Nov. 24, 15.35.

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 155.69 below lsd, Nov. 24, 1954; lowest 170.74 below lsd, May 11, 1949. Records available: 1949-54. May 11, 156.88; Nov. 24, 155.69.

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 22.24 below lsd, Sept. 16, 1954. Records available: 1946-54. Feb. 26, 19.39; Apr. 27, 19.38; Sept. 16, 22.24; Nov. 23, 21.31.

10-21-31da. U. S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diameter 1¼ 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 9.77 below lsd, Nov. 23, 1954. Records available: 1930-54. Apr. 27, 8.97; Sept. 17, 9.15; Nov. 23, 9.77.

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, 1945-54. Apr. 27, 6.44; Nov. 23, 7.33.

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 9.83 below lsd, Nov. 23, 1954. Records available: 1945-54. Apr. 27, 8.89; Nov. 23, 9.83.

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: 1946-54. Feb. 26, *6.56; Apr. 27, *6.76; May 11, 6.64; Sept. 17, *7.69; Nov. 24, 7.28. * 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: 1946-54. May 11, 12.18; Nov. 24, 12.30.

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. 24, 1953. Records available: 1948-54. May 6, 55.45; Nov. 18, 56.67.

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, 1940-54. Feb. 26, *27.08; Apr. 27, 27.48; Apr. 27, *27.44; Sept. 17, *26.23; Nov. 23, 27.24. * By Central Nebraska Public Power and Irrigation District.

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: 1946-54. Feb. 26, *3.89; Apr. 27, 4.21; Apr. 27, *4.19; Sept. 17, *4.92; Nov. 23, 5.09. * By Central Nebraska Public Power and Irrigation District.

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, 1944-54. Apr. 27, 13.38; Nov. 23, 14.37.

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, 1944-54. May 11, 7.92; Nov. 24, 7.71.

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, 1944-54. Apr. 27, 29.27.

Deuel County

12-44-18bb. P. Nass. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 92 feet. Highest water level 10.60 below lsd, June 20, 1950; lowest 11.77 below lsd, Oct. 18, 1954. Records available: 1950, 1954. Oct. 18, 11.77.

13-45-23dc. Albert Williams. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 23 feet. Highest water level 11.84 below lsd, Nov. 19, 1951; lowest 15.59 below lsd, Oct. 28, 1954. Records available: 1950-52, 1954. Oct. 28, 15.59.

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 14.46 below lsd, Oct. 27, 1954. Records available: 1950-52, 1954. Oct. 27, 14.46.

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, 1944-54. May 25, 1.87; Dec. 14, 3.38.

A17-8-16ad. City of Fremont. Drilled observation water-table well in gravel of Pleistocene age, diameter 2 inches, depth 18 feet. Land-surface datum is 1,202.60 feet above msl. Highest water level 6.11 below lsd, June 22, 1945; lowest 14.19 below lsd, Oct. 22, 1940. Records available: 1940-54. May 25, 11.47; Dec. 14, 12.53.

A18-6-25cc. John R. Sic. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 18 inches, depth 37 feet. Land-surface datum is 1,250.21 feet above msl. Highest water level 3.98 below lsd, May 3, 1951; lowest 11.39 below lsd, Dec. 14, 1954. Records available: 1947-54. May 25, 9.59; Dec. 14, 11.39.

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: 1940-54. May 25, 65.98; Dec. 14, 66.34.

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, 1953-54. Dec. 16, 3.19.

A-19-8-34ba. B. Havekost. Drilled irrigation water-table well, diameter 18 inches, depth 133 feet. Highest water level 64.59 below lsd, Nov. 6, 1951; lowest 72.69 below lsd, Dec. 16, 1954. Records available: 1950-54. Dec. 16, 72.69.

Dundy County

1-37-19ba. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 18 feet. Land-surface datum is 2,989 feet above msl. Highest water level 7.12 below lsd, Apr. 5, 1949; lowest 16.39 below lsd, Oct. 5, 1954. Records available: 1946-54. Jan. 11, 11.26; Mar. 29, 11.00; July 20, 14.47; Oct. 5, 16.39; Dec. 14, 13.00.

1-37-31cd. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 12 feet. Land-surface datum is 3,006 feet above msl. Highest water level 3.21 below lsd, Apr. 5, 1949; lowest 6.84 below lsd, Oct. 5, 1954. Records available: 1946-54. Jan. 11, 5.65; Mar. 29, 5.14; July 20, 6.55; Oct. 5, 6.84; Dec. 14, 6.06.

1-38-28da. Owner unknown. Drilled unused water-table well in sand of Pleistocene age, diameter 5 inches, depth 33 feet. Highest water level 18.26 below lsd, June 3, 1952; lowest dry, Mar. 29, 1954. Records available: 1948-54. Mar. 29, dry.

1-39-21ac. Louis Krutsinger. Drilled unused water-table well in gravel of Pleistocene age, diameter 6 inches, depth 15 feet. Land-surface datum is 3,096 feet above msl. Highest water level 4.13 below lsd, Dec. 21, 1951; lowest 6.23 below lsd, July 29, 1940. Records available: 1935-43, 1946-54. Jan. 11, 5.11; Mar. 29, 5.19; Oct. 5, 5.86; Dec. 14, 4.93.

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 13.37 below lsd, Oct. 1-23, 1954. Records available: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.68	12.60	12.56	12.54	12.55	12.63	12.90	13.10	13.25	13.37	13.35	13.24
2	12.68	12.60	12.56	12.54	12.55	12.64	12.91	13.10	13.26	13.37	13.35	13.24
3	12.68	12.60	12.56	12.54	12.55	12.65	12.92	13.11	13.26	13.37	13.35	13.24
4	12.67	12.60	12.56	12.54	12.55	12.65	12.93	13.12	13.27	13.37	13.34	13.24
5	12.67	12.60	12.56	12.54	12.56	12.66	12.93	13.12	13.27	13.37	13.34	13.23
6	12.66	12.59	12.56	12.54	12.56	12.67	12.94	13.13	13.28	13.37	13.33	13.23
7	12.66	12.59	12.56	12.53	12.56	12.68	12.95	13.13	13.28	13.37	13.32	13.23
8	12.66	12.58	12.55	12.53	12.56	12.69	12.95	13.14	13.28	13.37	13.32	13.23
9	12.66	12.58	12.55	12.53	12.56	12.70	12.96	13.14	13.24	13.37	13.31	13.23
10	12.66	12.58	12.55	12.53	12.56	12.72	12.97	13.15	13.25	13.37	13.31	13.23
11	12.65	12.58	12.55	12.53	12.56	12.74	12.98	13.15	13.25	13.37	13.30	13.22
12	12.65	12.58	12.55	12.53	12.56	12.74	12.99	13.16	13.26	13.37	13.30	13.22
13	12.65	12.57	12.54	12.53	12.57	12.75	13.00	13.17	13.26	13.37	13.30	13.22
14	12.65	12.57	12.54	12.53	12.57	12.77	13.00	13.18	13.27	13.37	13.30	13.22
15	12.65	12.57	12.54	12.53	12.57	12.77	13.00	13.18	13.27	13.37	13.30	13.20
16	12.64	12.57	12.54	12.53	12.58	12.78	13.01	13.19	13.28	13.37	13.29	13.19
17	12.64	12.57	12.54	12.53	12.58	12.79	13.02	13.19	13.28	13.37	13.29	13.19
18	12.63	12.57	12.54	12.53	12.58	12.79	13.03	13.20	13.29	13.37	13.28	13.19
19	12.63	12.57	12.54	12.53	12.58	12.80	13.03	13.20	13.29	13.37	13.28	13.18
20	12.63	12.57	12.54	12.53	12.58	12.81	13.04	13.20	13.30	13.37	13.28	13.18
21	12.63	12.57	12.53	12.53	12.59	12.82	13.05	13.21	13.30	13.37	13.28	13.18
22	12.62	12.57	12.53	12.53	12.59	12.83	13.05	13.21	.....	13.37	13.27	13.18
23	12.62	12.57	12.53	12.54	12.60	12.84	13.05	13.22	.....	13.37	13.27	13.18
24	12.62	12.57	12.53	12.54	12.60	12.85	13.05	13.22	.....	13.36	13.26	13.18
25	12.62	12.57	12.53	12.54	12.60	12.86	13.06	13.23	.....	13.36	13.26	13.18
26	12.62	12.57	12.53	12.54	12.60	12.87	13.07	13.23	.....	13.36	13.26	13.17
27	12.62	12.56	12.54	12.54	12.61	12.88	13.07	13.23	.....	13.36	13.25	13.17
28	12.61	12.56	12.54	12.55	12.62	12.89	13.08	13.24	.....	13.36	13.25	13.17
29	12.61		12.54	12.55	12.62	12.89	13.08	13.24	.....	13.36	13.25	13.17
30	12.60		12.54	12.55	12.63	12.90	13.09	13.25	.....	13.36	13.25	13.17
31	12.60		12.54		12.63		13.09	13.25		13.35		13.17

1-41-27ca. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 3,247 feet above msl. Highest water level 2.86 below lsd, Feb. 8, 1949; lowest 5.98 below lsd, July 20, 1954. Records available: 1946-54. Jan. 11, 3.54; Mar. 29, 3.60; July 20, 5.98; Oct. 5, 4.31; Dec. 14, 4.05.

1-42-13bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diamter $1\frac{1}{4}$ inches, depth 13 feet. Land-surface datum is 3,318 feet above msl. Highest water level 3.21 below lsd, Apr. 5, 1949; lowest 5.78 below lsd, Sept. 16, 1953. Records available: 1946-54. Jan. 11, 4.39; Mar. 29, 4.34; July 20, 5.73; Oct. 5, 5.40; Dec. 14, 4.78.

1-42-36aa. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 17 feet. Land-surface datum is 3,292 feet above msl. Highest water level 9.29 below lsd, Jan. 11, 1954; lowest dry, Mar. 29, 1954. Records available: 1946-54. Jan. 11, 9.29; Mar. 29, dry.

2-36-31bc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 28 feet. Land-surface datum is 2,916 feet above msl. Highest water level 18.83 below lsd, June 3, 1952; lowest 22.84 below lsd, Oct. 6, 1948. Records available: 1946-54. Jan. 11, 21.54; Mar. 29, 21.29; July 20, 22.25; Oct. 5, 22.61; Dec. 14, 22.48.

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: 1946-54. Jan. 21, 8.48; Mar. 31, 8.54; June 8, 8.47; July 29, 9.51; Sept. 29, 8.85.

1-14-7bb1. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 20 feet. Land-surface datum is 1,805.68 feet above msl. Highest water level 0.07 below lsd, May 23, 1949; lowest 5.40 below lsd, Nov. 13, 1940. Records available: 1940-42, 1946-54. Jan. 18, 4.02; Mar. 31, 4.13; May 25, 3.98; July 26, 4.78; Sept. 16, 4.38.

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: 1946-54. Jan. 18, 41.08; Mar. 31, 40.94; May 25, 40.79; Sept. 28, 40.95.

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: 1947-54. Jan. 21, 49.81; Mar. 26, 49.87; May 25, 49.74; July 29, 49.79; Sept. 29, 49.63.

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 1954.

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 7.37 below lsd, Sept. 24, 1954. Records available: 1946-54. Feb. 23, 5.11; Apr. 27, 5.02; May 28, 4.77; Aug. 26, 7.05; Sept. 24, 7.37; Dec. 23, 6.97.

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: 1946-54. Feb. 23, 9.28; Apr. 27, 9.06; May 28, 8.44; Aug. 26, 9.36; Sept. 24, 9.84; Dec. 23, 9.57.

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 1954.

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 9.99 below lsd, July 30, 1954; lowest 17.60 below lsd, Aug. 13, 1946. Records available: 1946-54. Feb. 18, 13.75; Apr. 26, 13.92; May 28, 13.84; July 30, 9.99; Aug. 25, 10.05; Sept. 22, 11.16; Dec. 23, 13.15.

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 28.14 below lsd, July 30, 1954; lowest 30.89 below lsd, Sept. 13, 1943. Records available: 1936-44, 1946-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 18	28.19	Apr. 26	29.10	July 30	28.14	Sept. 22	28.93
Mar. 23	29.13	May 27	29.03	Aug. 25	28.36	Dec. 21	29.68

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: 1946-54. Feb. 23, 52.84; Apr. 27, 53.40; May 28, 53.53; Aug. 26, 53.67; Sept. 24, 54.60; Dec. 23, 54.48.

4-24-15cc. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 23 feet. Highest water level 10.12 below lsd, Aug. 25, 1954; lowest 14.20 below lsd, Aug. 14, 1946. Records available: 1946-54. Feb. 18, 12.43; Apr. 26, 12.67; May 27, 11.75; July 30, 10.33; Aug. 25, 10.12; Sept. 22, 11.02; Dec. 21, 11.81.

Garden County

17-44-22cc. Dr. G. H. Morris. Drilled unused water-table well in sand and gravel, diameter $1\frac{1}{4}$ 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, 1948-54. Oct. 26, 27.19.

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, 1948-54. Oct. 26, 3.58.

21-44-35ca. Crescent Lake Migratory Bird Refuge. Drilled observation water-table well in fine sand of Pleistocene age, diameter $1\frac{1}{4}$ 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: 1933-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	2.10	Mar. 22	1.70	June 14	2.90	Sept. 17	4.00
8	2.00	29	1.50	17	2.90	24	4.00
15	2.00	Apr. 3	2.00	July 6	2.90	Oct. 4	4.00
29	2.00	12	1.60	16	3.70	11	3.90
Feb. 8	1.80	19	2.10	26	3.90	18	3.80
12	1.80	26	2.00	Aug. 2	3.70	22	3.90
19	1.80	May 8	1.50	9	3.90	Nov. 8	3.80
26	1.80	18	1.80	16	3.90	22	3.50
Mar. 1	1.90	25	2.30	31	3.90	26	3.60
5	1.90	June 1	2.50	Sept. 10	3.70	Dec. 10	3.30
15	1.90	7	2.30				

21-45-3bd2. Crescent Lake Migratory Bird Refuge. Drilled observation water-table well in fine sand of Pleistocene age, diameter $1\frac{1}{4}$ 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: 1934-54.

Jan. 4	3.90	Mar. 15	4.80	May 25	3.60	Oct. 7	4.80
8	3.90	22	3.90	June 1	3.60	15	4.70
15	3.90	29	3.60	7	3.60	22	4.70
29	3.90	Apr. 5	3.60	14	3.90	Nov. 8	4.60
Feb. 8	4.00	12	3.60	17	3.90	22	4.60
12	4.00	19	3.60	Sept. 7	4.60	29	4.60
19	4.00	26	3.60	17	4.60	Dec. 9	4.60
26	4.00	May 3	3.60	24	4.80	17	4.50
Mar. 1	4.80	18	3.60	Oct. 2	4.80	27	4.50
5	3.90						

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: 1950-54. Mar. 23, 24.81.

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, 1952-54. Mar. 23, 2.38; Aug. 13, 4.24.

Gosper County

6-21-29cc. Forrester. Drilled unused water-table well in sand of Pleistocene age, diameter 4 inches, depth 136 feet. Land-surface datum is 2,401.25 feet above msl. Highest water level 112.40 below lsd, Dec. 20, 1954; lowest 123.72 below lsd, Oct. 16, 1948. Records available: 1948-52, 1954. Dec. 20, 112.40.

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 93.81 below lsd, Dec. 20, 1954; lowest 117.80 below lsd, Sept. 26, 1935. Records available: 1934-40, 1948-54. Dec. 20, 93.81.

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: 1950-54. Dec. 20, 192.55.

7-22-8bb. Stan Salisburg Estate. Drilled unused water-table well in sand of Pleistocene age, diameter 3 inches, depth 284 feet. Land-surface datum is 2,638.44 feet above msl. Highest water level 222.98 below lsd, Dec. 20, 1954; lowest 251.65 below lsd, Nov. 25, 1947. Records available: 1947-54. Dec. 20, 222.98.

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: 1946-54. Nov. 24, 14.03.

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, 1946-54. June 19, 3.97; Sept. 20, 4.91.

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, 1944-54. June 19, 12.69; Sept. 20, 12.78.

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: 1948-54. Apr. 5, 13.43; Aug. 16, 12.82.

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: 1949-54. Apr. 5, 18.75.

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. No measurement made in 1954.

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. No measurement made in 1954.

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: 1946-54. Apr. 13, 5.90; Nov. 17, 6.65.

9-11-21bb. U. S. Geol. Survey. Driven observation water-table well in sand, diameter $1\frac{1}{4}$ inches, depth 15 feet. Land-surface datum is 1,957.8 feet above msl. Highest water level 6.86 below lsd, May 11, 1950; lowest 9.98 below lsd, Oct. 21, 1953. Records available: 1946-54. Feb. 24, *7.96; Apr. 13, 8.07; Sept. 14, *9.52; Nov. 17, 9.51. * 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 24.04 below lsd, Nov. 17, 1954. Records available: 1930-54. Apr. 13, 23.28; Nov. 17, 24.04.

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: 1946-54. Apr. 13, 14.13; Nov. 17, 14.80.

10-11-15dc. W. A. Bouton. Drilled irrigation water-table well in gravel and sand of Pleistocene age, diameter 24 inches, depth 53 feet. Land-surface datum is 1,944.0 feet above msl. Highest water level 15.20 below lsd, July 5, 1949; lowest 21.31 below lsd, Sept. 16, 1953. Records available: 1930-54. Apr. 13, 20.37; Nov. 17, 20.81.

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: 1930-54. Feb. 24, *21.70; Apr. 13, 21.68; Sept. 14, *23.77; Nov. 17, 22.74. * By Midstate Irrigation District.

11-9-27bc. City of Grand Island. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches. Highest water level 6.00 below lsd, July 10, 1947; lowest 13.86 below lsd, Nov. 17, 1954. Records available: 1942-54. Apr. 2, 12.62; Apr. 13, 12.69; Nov. 17, 13.86.

11-10-16bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 19 feet. Land-surface datum is 1,892.50 feet above msl. Highest water level 7.85 below lsd, May 19, 1952; lowest 11.07 below lsd, May 8, 1946. Records available: 1946-54. Feb. 24, *9.79; Mar. 11, 9.83; Apr. 14, 9.92; Aug. 11, 9.05; Sept. 14, *9.22; Nov. 17, 9.66. * 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 17.95 below lsd, Aug. 1, 1954. Records available: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	16.62	16.65	16.67	16.70	16.68	15.77	17.95	17.10	.....	.....	17.28
2	.....	16.62	16.65	16.67	16.71	16.68	15.78	17.87	17.09	.....	.....	17.28
3	.....	16.63	16.65	16.67	16.71	16.68	15.79	17.85	17.09	.....	.....	17.28
4	.....	16.63	16.65	16.67	16.71	16.68	15.80	17.64	17.09	.....	.....	17.28
5	.....	16.63	16.65	16.66	16.71	16.68	15.81	17.57	17.09	.....	.....	17.28
6	.....	16.63	16.64	16.67	16.71	16.67	15.82	17.51	17.08	.....	.....	17.29
7	.....	16.64	16.65	16.67	16.71	16.67	15.83	17.47	17.08	.....	.....	17.29
8	.....	16.63	16.64	16.67	16.71	16.67	15.85	17.40	17.09	.....	.....	17.28
9	.....	16.63	16.64	16.67	16.71	16.67	15.85	17.34	17.10	.....	.....	17.30
10	.....	16.64	16.62	16.68	16.71	16.67	15.87	17.30	17.11	.....	.....	17.30
11	16.60	16.65	16.62	16.68	16.67	16.67	15.88	17.27	17.11	.....	.....	17.30
12	16.60	16.64	16.64	16.68	16.67	16.67	15.92	17.25	17.12	.....	.....	17.30
13	16.60	16.63	16.65	16.67	16.67	16.67	15.93	17.22	17.12	.....	.....	17.31
14	16.58	16.63	16.66	16.67	16.67	16.67	15.97	17.20	17.13	.....	.....	17.31
15	16.60	16.65	16.66	16.68	16.67	16.67	16.06	17.19	17.14	.....	.....	17.31
16	16.60	16.65	16.65	16.69	16.68	16.67	16.28	17.18	17.14	.....	.....	17.31
17	16.60	16.65	16.64	16.69	16.68	16.61	16.38	17.17	17.15	.....	17.26	17.31
18	16.58	16.64	16.64	16.69	16.68	16.48	16.50	17.16	17.15	.....	17.26	17.31
19	16.58	16.64	16.65	16.70	16.68	16.28	16.58	17.15	17.15	.....	17.26	17.31
20	16.60	16.65	16.65	16.70	16.68	16.14	16.72	17.15	17.15	.....	17.26	17.32
21	16.60	16.65	16.65	16.70	16.68	16.00	16.90	17.13	17.14	.....	17.27	17.32
22	16.61	16.65	16.65	16.70	16.68	15.91	17.10	17.12	17.14	.....	17.27	17.32
23	16.60	16.65	16.65	16.70	16.68	15.85	17.20	17.12	17.14	.....	17.27	17.32
24	16.60	16.65	16.65	16.70	16.68	15.81	17.28	17.12	17.14	.....	17.27	17.32
25	16.60	16.65	16.66	16.70	16.68	15.78	17.40	17.12	.....	.....	17.27	17.32
26	16.61	16.65	16.66	16.69	16.68	15.77	17.52	17.11	.....	.....	17.27	17.32
27	16.62	16.65	16.66	16.70	16.68	15.77	17.63	17.10	.....	.....	17.27	17.32
28	16.62	16.65	16.66	16.70	16.68	15.76	17.68	17.10	.....	.....	17.27	17.33
29	16.63		16.66	16.70	16.68	15.76	17.73	17.10	.....	.....	17.27	17.33
30	16.63		16.67	16.70	16.68	15.77	17.82	17.10	.....	.....	17.27	17.33
31	16.62		16.67		16.68		17.93	17.10		.....		17.33

11-11-32cb. Frank Hughes. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 65 feet. Land-surface datum is 1,960.0 feet above msl. Highest water level 29.04 below lsd, May 20, 1931; lowest 37.46 below lsd, Nov. 17, 1954. Records available: 1930-41, 1943-54. Apr. 13, 36.31; Nov. 17, 37.46.

11-11-36cb. C. B. Modesitt. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 8 feet, depth 71 feet. Land-surface datum is 1,929.0 feet above msl. Highest water level 19.90 below lsd, July 5, 1949; lowest 26.07 below lsd, Sept. 4, 1946. Records available: 1930-40, 1943-54. Apr. 14, 23.72; Nov. 17, 24.53.

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 13.81 below lsd, Nov. 17, 1954. Records available: 1946-54. Apr. 13, 13.09; Nov. 17, 13.81.

12-11-24cd. U. S. Geol. Survey. Drilled observation water-table well in clay and fine sand, diameter 1¼ inches, depth 17 feet. Land-surface datum is 1.900.80 feet above msl. Highest water level 3.51 below lsd, July 5, 1949; lowest 12.26 below lsd, Oct. 4, 1946. Records available: 1946-54. Feb. 24, *10.09; Mar. 11, 9.86; Apr. 13, 9.86; Sept. 14, *9.11; Nov. 17, 10.01; * Measured 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 20.73 below lsd, May 19, 1954; lowest 44.29 below lsd, Nov. 14, 1940. Records available: 1934-42, 1944, 1946-49, 1954. Mar. 1, 35.85; May 19, 20.73; Dec. 1, 21.22; Dec. 14, 21.17.

9-8-9dc. Robert Phillips. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 5 inches, depth 67 feet. Land-surface datum is 1,848.58 feet above msl. Highest water level 54.38 below lsd, Oct. 30, 1935; lowest 58.40 below lsd, Dec. 31, 1946. Records available: 1934-42, 1944, 1946, 1948-50, 1954. May 19, 54.99; Dec. 1, 55.44.

10-7-5bb. Frank Sims. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches. Land-surface datum is 1,864.05 feet above msl. Highest water level 85.83 below lsd, July 1, 1949; lowest 86.53 below lsd, Dec. 1, 1954. Records available: 1949, 1954. May 19, 86.02; Dec. 1, 86.53.

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 94.88 below lsd, Dec. 14, 1954. Records available: 1934-42, 1944, 1946-54. Dec. 2, 94.52; Dec. 14, 94.88.

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: 1946-54. May 19, 28.42; Dec. 1, 31.00.

12-7-21dc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ 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 12.53 below lsd, May 19, 1954. Records available: 1949-54. May 19, 12.53.

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, 1946-54. Dec. 2, 10.02.

14-5-35aa. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 11 feet. Land-surface datum is 1,643.67 feet above msl. Highest water level 2.51 below lsd, Mar. 27, 1952; lowest 5.00 below lsd, Nov. 12, 1953. Records available: 1949-54. Dec. 2, 4.12.

Harlan County

1-17-1da. U. S. Geol. Survey. Drilled observation water-table well in silt and soil of Pleistocene age, diameter 1¼ 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: 1946-54. Jan. 18, 7.72; Mar. 24, 7.39; May 25, 6.59; July 26, 7.39; Sept. 17, 3.17.

2-18-33cd. C. A. Feese. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 4 feet, depth 27 feet. Highest water level 5.68 below lsd, Aug. 1, 1947; lowest 14.42 below lsd, Sept. 27, 1934. Records available: 1934-42, 1944, 1946-54. Jan. 4, 13.87; Feb. 24, 13.68; Apr. 28, 13.27; Aug. 27, 13.78; Dec. 22, 12.46.

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 11.26 below lsd, Sept. 23, 1954. Records available: 1940-41, 1946-54. Jan. 4, 10.19; Apr. 28, 9.79; Aug. 27, 10.84; Sept. 23, 11.26; Dec. 22, 11.00.

3-20-25cc. U. S. Geol. Survey. Drilled observation water-table well in silt and clay of Pleistocene age, diameter 1¼ 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: 1946-54. Jan. 4, 16.68; Feb. 24, 16.06; Apr. 28, 15.64; June 11, 15.91; Aug. 27, 16.21; Sept. 23, 17.61; Dec. 22, 16.54.

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, 1946-54. Jan. 5, 13.98; Mar. 16, 13.81; May 7, 13.00; June 11, 13.33; July 17, 14.42; Sept. 13, 14.03; Nov. 12, 13.20.

5-34-30ba. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter 1¼ inches, depth 17 feet. Highest water level 9.63 below lsd, Feb. 8, 1949; lowest 11.84 below lsd, Dec. 6, 1950. Records available: 1946-54. Jan. 5, 11.83; Mar. 16, 11.80; May 7, 11.29; June 11, 11.52; July 17, 11.48; Sept. 13, 11.04; Nov. 12, 11.73.

5-35-16dd. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter 1¼ inches, depth 13 feet. Highest water level 6.83 below lsd, Feb. 8, 1949; lowest 9.74 below lsd, Dec. 7, 1950. Records available: 1946-54. Jan. 5, 9.57; Mar. 16, 9.45; May 7, 8.90; June 11, 9.14; July 17, 9.53; Sept. 13, 8.27; Nov. 12, 9.42.

Hitchcock County

2-33-6cb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 16 feet. Highest water level 7.30 below lsd, June 10, 1953; lowest 11.32 below lsd, Oct. 6, 1948. Records available: 1946-54. Jan. 6, 3.03. Measurement discontinued.

2-35-21bc. Rev. Otto Brownfield. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 16 inches, depth 47 feet. Land-surface datum is 2,831.0 feet above msl. Highest water level 19.08 below lsd, June 3, 1952; lowest 24.02 below lsd, Dec. 14, 1954. Records available: 1934-41, 1946-54. Jan. 11, 22.25; Mar. 29, 21.78; Dec. 14, 24.02.

2-35-24aa. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Land-surface datum is 2,778.0 feet above msl. Highest water level 3.67 below lsd, June 9, 1949; lowest 8.77 below lsd, Oct. 8, 1947. Records available: 1946-54. Jan. 6, 5.97; Mar. 19, 5.50; May 7, 7.49; July 20, 7.27; Sept. 22, 7.96; Dec. 14, 6.79.

3-31-14bc. U. S. Geol. Survey. Drilled observation water-table well in silt of Pleistocene age, diameter 1¼ inches, depth 26 feet. Land-surface datum is 2,569.0 feet above msl. Highest water level 11.82 below lsd, Oct. 8, 1947; lowest 15.88 below lsd, Aug. 15, 1946. Records available: 1946-54. Jan. 8, 14.25; Mar. 15, 14.83; June 17, 14.37; Aug. 13, 15.18; Oct. 4, 14.54.

3-32-11bb. U. S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diameter 1¼ inches, depth 18 feet. Highest water level 12.65 below lsd, Feb. 8, 1949; lowest 14.50 below lsd, Sept. 15, 1953. Records available: 1946-54. Jan. 5, 14.06; Mar. 16, 14.10; May 7, 13.40; June 11, 14.00; July 17, 14.46; Sept. 13, 14.27; Nov. 12, 12.78.

3-32-26dd. Ernst Meintz. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 84 feet. Highest water level 26.74 below lsd, Apr. 14, 1952; lowest 31.27 below lsd, Sept. 22, 1954. Records available: 1946-54. Jan. 6, 29.71; Mar. 18, 29.37; May 7, 29.27; July 20, 30.07; Sept. 22, 31.27; Dec. 14, 29.93.

3-33-35dc. S. H. Lawrence. Drilled unused water-table well in gravel of Pleistocene age, diameter 1¼ inches, depth 27 feet. Highest water level 9.38 below lsd, June 10, 1949; lowest 13.79 below lsd, Aug. 11, 1953. Records available: 1935-43, 1946-54, Mar. 19, 11.29; May 7, 11.60; July 20, 12.10; Sept. 21, 12.27; Dec. 16, 11.70.

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: 1946-54. Jan. 5, 13.20; Mar. 16, 13.11; May 7, 13.60; June 11, 13.50; July 17, 14.06; Sept. 13, 13.78; Nov. 12, 13.35.

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: 1934-54.

27-9-34da--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	7.65	Apr. 5	7.40	June 28	7.53	Sept. 30	8.58
26	7.56	20	7.74	July 15	8.26	Oct. 14	8.39
Feb. 9	7.51	May 4	6.29	30	8.58	27	8.26
24	7.71	18	7.10	Aug. 25	8.48	Nov. 9	8.20
Mar. 9	7.78	June 1	7.25	Sept. 7	8.50	23	8.21
22	7.41	15	7.50	20	8.46	Dec. 6	8.14

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: 1947-54. June 15, 35.23; Sept. 15, 35.54; Dec. 8, 35.72.

30-13-27cc. John Tenborg. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 67 feet. Land-surface datum is 2,064.64 feet above msl. Highest water level 18.29 below lsd, July 23, 1953; lowest 30.80 below lsd, Oct. 13, 1948. Records available: 1947-54. June 15, 20.94; Sept. 15, 21.68; Dec. 8, 21.92.

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, 1950-54. June 15, 27.57; Dec. 8, 27.76.

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: 1947-54. June 15, 23.10; Sept. 15, 23.38; Dec. 8, 23.74.

Hooker County

24-31-18cb. U. S. Bureau of Reclamation. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 42 feet. Highest water level 32.51 below lsd, Oct. 5, 1950; lowest 33.48 below lsd, Sept. 20, 1954. Records available: 1948, 1950-54. June 19, 33.45; Sept. 20. 33.48.

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, 1944-54. June 19, 1.08; Sept. 20, 6.34.

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, 1948-54. Apr. 6, 17.31; Nov. 19, 18.40.

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: 1950-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.11	28.07	27.87	27.84	27.83	27.73	27.13	28.19	28.37	28.62	.....	28.43
2	28.10	28.06	27.89	27.83	27.73	27.72	27.13	28.20	28.38	28.62	.....	28.43
3	28.10	28.04	27.91	27.83	27.68	27.77	27.13	28.20	28.39	28.61	.....	28.40
4	28.09	28.01	27.92	27.83	.....	27.78	.....	28.21	28.45	28.61	.....	28.39
5	.....	27.99	27.92	27.82	.....	27.76	.....	28.21	28.48	28.61	.....	28.40
6	.....	27.97	27.90	27.80	.....	27.75	.....	28.20	28.49	28.61	.....	28.40
7	.....	27.96	27.88	27.81	.....	27.81	.....	.....	28.50	28.61	.....	28.39
8	.....	27.93	27.88	27.82	.....	27.83	.....	.....	28.50	28.57	.....	28.37
9	.....	27.90	27.86	27.82	.....	27.84	.....	.....	28.50	28.54	.....	28.36
10	.....	27.90	27.83	27.81	.....	27.88	.....	.....	28.51	28.52	.....	28.36
11	.....	27.92	27.82	27.84	.....	27.93	.....	28.08	28.51	28.51	.....	28.37
12	28.11	27.92	27.81	27.84	.....	27.97	.....	28.08	28.51	28.51	.....	28.37
13	28.11	.....	27.86	27.83	27.77	27.97	.....	28.08	28.52	28.53	.....	28.36
14	28.07	.....	27.89	27.80	27.76	27.97	27.79	28.10	.....	28.54	.....	28.34
15	28.06	.....	27.90	27.82	27.76	27.69	27.84	28.11	.....	28.55	28.53	28.34

13-11-11ba--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	28.08	.....	27.90	27.83	27.66	27.70	27.87	28.12	.....	28.55	28.50	28.33
17	28.08	.....	27.87	27.82	27.64	27.25	27.90	28.12	.....	28.56	28.50	28.34
18	28.06	.....	27.82	27.83	27.64	26.95	27.92	28.10	.....	28.56	28.49	28.34
19	28.04	.....	27.83	27.83	27.66	26.92	27.95	28.10	.....	28.56	28.49	.....
20	28.07	.....	27.84	27.84	27.66	26.92	27.99	28.10	.....	28.54	28.49	.....
21	28.08	.....	27.84	27.85	27.65	26.98	28.02	28.11	.....	28.53	28.48	.....
22	28.08	.....	27.84	27.85	27.65	27.01	28.05	28.13	.....	28.53	28.48	.....
23	28.06	.....	27.84	27.85	27.63	27.01	28.08	28.15	.....	28.52	28.46	.....
24	28.05	27.90	27.82	27.84	27.65	27.05	28.10	28.16	.....	28.51	28.45	.....
25	28.05	27.88	27.83	27.84	27.65	27.09	28.12	28.17	.....	28.50	28.45	.....
26	28.06	27.87	27.83	27.82	27.64	27.10	28.14	28.20	.....	28.48	28.44	.....
27	28.07	27.87	27.83	27.82	27.63	27.11	28.15	28.27	28.54	28.48	28.42	.....
28	28.07	27.88	27.83	27.82	27.68	27.12	28.17	28.31	28.54	28.46	28.41	.....
29	28.07		27.83	27.82	27.69	27.12	28.20	28.33	28.57	28.44	28.42	.....
30	28.08		27.83	27.82	27.70	27.12	28.24	28.34	28.60	.....	28.42	.....
31	28.08		27.84		27.74		28.28	28.35		.....		.....

13-11-29cb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 11 feet. Land-surface datum is 1,875.92 feet above msl. Highest water level 2.79 below lsd, Apr. 10, 1950; lowest 9.77 below lsd, Aug. 11, 1954. Records available: 1949-54. Apr. 2, 8.90; Aug. 11, 9.77.

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, 1948-54. Apr. 6, 26.81; Aug. 11, 27.60.

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, 1948-54. Apr. 2, 6.81; Aug. 12, 6.29.

14-10-28dd. School District. Drilled unused water-table well in sand of Pleistocene age, diameter $1\frac{1}{2}$ inches. Land-surface datum is 1,813.22 feet above msl. Highest water level 4.06 below lsd, May 22, 1949; lowest 6.09 below lsd, Aug. 5, 1953. Records available: 1949-54. Apr. 2, 5.81; Aug. 12, 5.45.

14-11-6ba. Town of Farwell. Drilled public supply water-table well in sand of Pleistocene age, diameter 12 inches, depth 115 feet. Highest water level 27.29 below lsd, Dec. 5, 1952; lowest 30.81 below lsd, Aug. 15, 1949. Records available: 1949, 1952, 1954. Apr. 6, 28.59.

15-9-9aa. Wilber Edwards. Drilled unused water-table well in sand of Pleistocene age, diameter 18 inches, depth 90 feet. Land-surface datum is 1,780.23 feet above msl. Highest water level 30.94 below lsd, Sept. 11, Oct. 23, 1951; lowest 33.62 below lsd, Apr. 2, 1954. Records available: 1948-54. Apr. 2, 33.62.

15-10-19ab. Harry Ward. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 82 feet. Land-surface datum is 1,801.15 feet above msl. Highest water level 8.48 below lsd, June 29, 1948; lowest 11.53 below lsd, Sept. 2, 1949. Records available: 1948-52, 1954. Apr. 6, 10.67.

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: 1950-54. Apr. 5, 42.39.

Jefferson County

A1-4-19ac. Robert Garrett. Drilled unused water-table well in glacial drift, diameter 5 inches, depth 35 feet. Highest water level 25.88 below lsd, Dec. 14, 1953; lowest 31.43 below lsd, Oct. 23, 1937. Records available: 1934-40, 1946, 1953. No measurement made in 1954.

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. No measurement made in 1954.

5-14-33bb. Mrs. Ingeborg Nielson. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 172 feet. Land-surface datum is 2,175.07 feet above msl. Highest water level 157.23 below lsd, Dec. 17, 1954; lowest 158.53 below lsd, Sept. 14, 1948. Records available: 1948-54. Dec. 17, 157.23.

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 99.08 below lsd, Apr. 14, 1954; lowest 108.15 below lsd, Aug. 8, 1947. Records available: 1947-54.

Daily lowest water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	99.84	Apr. 8	99.68	Apr. 19	99.47	Aug. 15	100.22
12	99.85	9	99.41	20	99.40	16	100.17
13	99.62	10	100.06	21	99.50	17	100.17
14	99.46	11	99.69	22	99.49	18	100.15
15	99.70	12	99.67	23	99.35	19	100.16
16	99.79	13	99.38	24	99.31	20	100.15
17	99.79	14	99.08	25	99.30	21	100.07
18	99.47	15	99.54	26	99.33	22	100.10
19	99.48	16	99.54	27	99.40	23	100.17
20	99.96	17	99.39	28	99.30	Dec. 21	99.55
21	99.96	18	99.34	Aug. 14	100.21		

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: 1947-54. Dec. 17, 135.56.

6-13-16db. V. M Youngson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 171 feet. Land-surface datum is 2,082.10 feet above msl. Highest water level 82.22 below lsd, Dec. 16, 1954; lowest 89.42 below lsd, Aug. 13, 1947. Records available: 1947-52, 1954. Dec. 16, 82.22.

6-14-21db. Eva L. Larson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches. Land-surface datum is 2,155.93 feet above msl. Highest water level 102.22 below lsd, June 19, 1952; lowest 104.62 below lsd, Dec. 5, 1950. Records available: 1947-52, 1954. Dec. 17, 102.24.

6-15-1cb. Roy Youngson. Drilled irrigation water-table well in gravel, diameter 18 inches, depth 176 feet. Land-surface datum is 2,171.80 feet above msl. Highest water level 63.77 below lsd, Dec. 16, 1954; lowest 71.36 below lsd, June 29, 1948. Records available: 1948-54. Dec. 16, 63.77.

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 69.53 below lsd, Dec. 15, 1954; lowest 82.65 below lsd, Apr. 12, 1949. Records available: 1948-54. Dec. 15, 69.53.

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, 1946-54. Dec. 17, 71.52.

7-13-20aa. Charles Gleason. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 168 feet. Land-surface datum is 2,087.54 feet above msl. Highest water level 52.04 below lsd, Dec. 16, 1954; lowest 56.67 below lsd, Nov. 17, 1947. Records available: 1947-54. Dec. 16, 52.04.

7-14-20ba. George Burchall. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 183 feet. Land-surface datum is 2,155.96 feet above msl. Highest water level 71.17 below lsd, Dec. 16, 1954; lowest 75.75 below lsd, June 10, 1949. Records available: 1948-54. Dec. 16, 71.17.

7-16-8dc. Israel Kring Estate. Drilled irrigation water-table well in sand of Pleistocene age, diameter 14 inches, depth 54 feet. Land-surface datum is 2,176.80 feet above msl. Highest water level 12.62 below lsd, Nov. 22, 1954; lowest 18.93 below lsd, Aug. 7, 1947. Records available: 1947-51, 1954. Nov. 22, 12.62.

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: 1930-54. Apr. 26, 8.21; Nov. 22, 9.27.

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: 1946-54. Apr. 26, 5.32; Nov. 22, 6.61.

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: 1946-54. Feb. 24, *6.12; Apr. 14, 6.42; Sept. 16, *7.14; Nov. 22, 6.82.
* Measured 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 12.02 below lsd, Oct. 25, 1954. Records available: 1938-46, 1948-54. Oct. 25, 12.02.

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: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.15	3.18	3.07	2.95	3.54	3.43	4.07	4.84	4.65	....	4.60	3.55
2	3.15	3.13	3.06	....	3.53	3.43	4.12	4.83	4.68	....	4.56	3.55
3	3.15	3.05	3.10	....	3.51	3.42	4.14	....	4.72	....	4.48	3.53
4	3.14	3.04	3.13	....	3.34	3.40	4.17	....	4.77	....	4.40	3.50
5	3.13	3.01	3.14	2.97	3.19	3.40	4.21	....	4.80	....	4.22	3.50
6	3.12	2.99	3.14	2.97	....	3.44	4.26	....	4.83	....	4.05	3.49
7	3.09	3.00	3.11	2.99	3.14	3.48	4.30	....	4.86	....	3.80	3.45
8	3.07	3.00	3.07	3.01	3.18	3.53	4.33	....	4.87	....	3.76	3.43
9	3.08	3.01	3.00	3.01	3.22	3.56	4.37	....	4.89	....	3.76	3.44
10	3.08	3.03	2.98	3.03	3.26	3.61	4.40	4.66	4.91	....	3.71	3.45
11	3.10	....	2.98	3.05	3.29	3.66	4.45	4.66	4.94	....	3.67	3.49
12	3.11	....	3.02	3.07	3.33	3.70	4.50	4.64	4.97	....	....	3.49
13	3.11	....	3.04	3.07	3.36	3.70	4.54	4.61	5.00	....	....	3.46
14	3.12	....	3.05	3.09	3.39	3.70	4.56	4.65	5.02	....	....	3.45
15	3.13	3.05	3.05	3.13	....	3.62	4.58	4.68	5.03	....	....	3.43
16	3.13	3.05	3.04	3.16	....	3.65	4.63	4.68	5.04	....	....	3.46
17	3.13	3.05	3.01	3.18	....	3.68	4.68	4.65	5.05	....	....	3.48
18	3.21	3.05	2.92	3.21	....	3.70	4.72	4.63	5.07	....	3.58	3.51
19	3.27	3.07	2.92	3.25	....	3.70	4.76	4.57	5.09	....	3.58	3.52
20	3.32	3.08	2.91	....	....	3.70	4.77	4.50	5.11	....	3.57	....
21	3.33	3.09	2.89	3.32	....	3.70	4.78	4.49	5.12	....	3.57	....
22	3.32	3.11	2.88	3.35	....	3.74	4.78	4.50	5.14	....	3.57	....
23	3.30	....	2.88	3.37	....	3.81	4.75	4.51	5.14	....	3.56	3.57
24	3.31	....	2.88	3.40	....	....	....	4.52	5.16	....	3.57	....
25	3.33	3.16	2.84	3.42	....	3.93	....	....	5.17	....	3.57	....
26	3.33	3.16	2.84	3.45	....	4.00	4.70	4.60	5.18	....	....	....
27	3.33	3.14	2.86	3.47	....	4.05	4.72	4.64	5.19	....	3.55	....
28	3.32	3.12	2.90	3.50	....	4.06	4.73	4.66	5.19	4.74	3.55	....
29	3.28		2.93	3.53	....	4.06	4.75	4.68	5.19	4.73	3.55	3.61
30	3.27		2.95	3.53	....	4.06	4.78	4.68	5.19	4.69	3.54	3.65
31	3.23		2.95		....		4.84	4.64		4.65		3.65

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 below lsd, Mar. 17, 1952; lowest 3.74 below lsd, Aug. 17-22, 1946. Records available: 1946-54.

13-36-9ad--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.93	1.65	1.50	1.09	1.88	1.92	3.10	3.50	....	....	....	....
2	1.89	1.59	1.61	....	1.82	1.78	3.14	3.50	....	....	....	....
3	1.88	1.53	1.68	....	1.72	1.83	3.15	....	3.70	....	....	....
4	1.85	1.48	1.69	....	1.37	1.93	3.16	....	....	....	....	....
5	1.83	1.44	....	1.35	1.30	2.03	3.19	....	....	....	3.06	....
6	1.81	1.43	....	....	....	2.12	3.22	....	....	....	....	....
7	1.77	1.43	....	....	1.51	2.20	3.25	....	....	....	....	....
8	....	1.40	....	....	1.58	2.26	3.28	....	....	....	....	2.80
9	....	1.36	....	....	1.63	2.34	3.32	....	3.53	....	....	....
10	....	1.36	1.36	....	1.67	2.43	3.34	3.45	....	....	....	....
11	....	....	....	....	1.70	2.53	3.37	....	....	....	....	....
12	....	....	....	1.58	1.73	2.57	3.40	....	....	....	....	....
13	....	....	....	1.60	1.78	2.58	3.45	....	....	....	....	....
14	1.79	....	....	1.62	1.84	2.65	3.46	....	....	....	....	....
15	1.79	1.31	....	1.64	....	2.68	3.49	....	....	....	....	....
16	1.82	....	1.18	1.67	....	2.72	3.52	....	3.45	....	....	2.72
17	1.90	....	1.12	1.70	....	2.72	3.55	3.63	....	....	....	....
18	1.92	....	1.18	1.73	....	2.75	3.58	3.63	....	....	2.92	....
19	1.92	....	1.18	1.75	....	2.76	3.60	3.62	....	....	....	....
20	1.97	....	1.10	....	....	2.81	3.58	3.59	....	....	....	....
21	2.04	....	1.11	1.75	....	2.84	3.54	3.59	....	....	....	....
22	....	....	1.18	1.77	....	2.88	3.47	3.69	....	....	....	....
23	....	....	1.19	1.79	....	2.93	....	3.60	3.45	....	....	2.65
24	....	....	1.04	1.83	1.38	....	....	3.62	....	....	....	....
25	....	1.31	.95	1.83	1.43	3.00	....	....	....	....	....	....
26	....	1.34	.95	1.86	1.43	3.03	3.38	3.21	....	....	2.90	....
27	1.92	1.45	1.00	1.88	1.54	3.05	3.39	3.23	....	....	....	....
28	1.91	1.50	1.06	1.90	1.67	3.06	3.40	3.23	....	3.10	....	....
29	1.83		1.05	1.94	1.74	3.07	3.42	....	....	....	....	2.61
30	1.78		.95	1.94	1.83	3.07	3.45	....	3.35	....	....	....
31	1.72		.95		1.88		3.49	....		....		2.60

13-37-3ab. Charles E. Thalken. Drilled unused water-table well in gravel of Pleistocene age, diameter 6 inches. Highest water level 10.55 below lsd, May 8, 1942; lowest 15.80 below lsd, Nov. 6, 1947. Records available: 1935-49, 1953-54. Oct. 25, 15.07.

13-38-3ba. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in coarse sand 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: 1936-54. Measured by Central Nebraska Public Power and Irrigation District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	13.40	Apr. 1	13.20	July 9	14.30	Oct. 1	14.60
Feb. 2	12.80	May 1	13.40	Aug. 5	14.70	26	14.41
Mar. 3	13.20	June 4	13.20	Sept. 3	14.60	Nov. 2	14.30

13-38-6ca. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in fine and coarse sand and gravel, diameter 5 inches, depth 16 feet. Land-surface datum is 3,217.84 feet above msl. Highest water level 9.94 below lsd, May 8, 1942; lowest 16.90 below lsd, Nov. 2, 1954. Records available: 1936-54. Measured by Central Nebraska Public Power and Irrigation District.

Jan. 2	13.60	Apr. 6	13.10	July 9	14.90	Oct. 1	15.60
Feb. 2	13.10	May 1	13.00	Aug. 5	16.00	Nov. 2	16.90
Mar. 2	13.10	June 4	13.50	Sept. 3	16.00		

13-39-19cd. George McGinley. Drilled unused water-table well in alluvial gravel of Ogallala formation, diameter 4 inches, depth 54 feet. Highest water level 39.96 below lsd, Oct. 27, 1935; lowest 46.17 below lsd, Oct. 28, 1954. Records available: 1935-41, 1944, 1947-51, 1953-54. Oct. 28, 46.17.

13-39-34dd. George Peters Estate. Drilled unused water-table well in Ogallala formation, diameter 3 inches, depth 199 feet. Highest water level 166.07 below lsd, Oct. 6, 1949; lowest 167.73 below lsd, Oct. 28, 1954. Records available: 1935-42, 1947, 1949-50, 1954. Oct. 28, 167.73.

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: 1936-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30	10.50	Apr. 30	10.40	Aug. 3	10.60	Oct. 30	10.70
Feb. 27	10.40	June 1	10.40	30	10.50	Dec. 1	10.70
Apr. 1	10.40	July 8	10.30	Sept. 30	10.70	31	10.60

Kimball County

14-58-1cc. C. Gadekien. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 100 feet. Highest water level 32.97 below lsd, Oct. 27, 1954; lowest 33.55 below lsd, Aug. 30, 1953. Records available: 1953-54. Oct. 27, 32.97.

14-59-11dd. A. Mortensen. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 84 feet. Highest water level 21.99 below lsd, May 23, 1951; lowest 23.47 below lsd, Oct. 27, 1954. Records available: 1950-52, 1954. Oct. 27, 23.47.

15-53-31bb. Robert Gunderson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 85 feet. Highest water level 46.25 below lsd, Jan. 24, 1952; lowest 49.09 below lsd, Oct. 28, 1951. Records available: 1951-54. Oct. 28, 49.09.

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 96.48 below lsd, Oct. 28, 1954. Records available: 1935-42, 1950-54. Oct. 28, 96.48.

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, 1951-54. Oct. 27, 43.72.

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 47.92 below lsd, Oct. 27, 1954. Records available: 1950, 1952-54. Oct. 27, 47.92.

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: 1951-54. Oct. 27, 21.68.

Lancaster County

A8-6-34dd. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter 8 inches, depth 53 feet. Highest water level 6.79 below lsd, Aug. 25, 1954; lowest 8.90 below lsd, July 31, 1954. Records available: 1954.

Daily lowest water level from recorder graph*

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	8.26	8.79	7.39	8.34	8.39	8.39
2	....	....	8.29	8.78	7.45	8.32	8.39	8.39
3	....	....	8.33	....	7.50	8.35	8.36	8.36
4	....	....	8.37	8.81	7.58	8.35	8.37	8.35
5	....	....	8.40	8.82	7.65	8.34	8.37	8.39
6	....	....	8.43	8.82	7.70	8.35	8.35	8.39
7	....	7.03	8.45	8.50	7.75	8.35	8.36	8.39
8	....	7.04	8.49	8.08	7.78	8.32	8.37	8.35
9	....	7.00	8.52	7.81	7.82	8.32	8.37	8.36
10	....	7.74	8.52	7.80	7.85	8.32	8.37	8.36
11	....	7.75	8.54	7.82	7.88	8.32	8.38	8.36
12	....	7.80	8.57	7.87	7.91	8.35	8.38	8.36
13	....	7.84	8.58	7.89	7.96	8.35	8.37	8.35
14	....	7.88	8.64	7.95	7.99	8.36	8.37	8.33
15	....	7.90	8.65	7.99	8.03	8.36	8.35	8.33
16	....	8.02	8.66	7.98	8.04	8.37	8.34	8.32
17	....	8.02	8.68	7.95	8.09	8.38	8.35	8.32
18	....	7.54	8.70	7.97	8.10	8.39	8.35	8.32
19	....	....	8.73	....	8.16	8.39	8.34	8.33
20	....	....	8.74	....	8.19	8.38	8.35	8.34

A8-6-34dd--Continued.

Day	May	June	July	Aug	Sept.	Oct.	Nov.	Dec.
21	8.01	....	8.76	....	8.21	8.34	8.35	8.34
22	....	....	8.77	....	8.23	8.40	8.34	8.33
23	....	....	8.79	....	8.24	8.70	8.35	8.32
24	....	7.86	8.80	....	8.26	8.40	8.35	8.33
25	....	7.93	8.81	6.79	8.28	8.40	8.35	8.33
26	....	8.00	8.82	6.91	8.29	8.40	8.35	8.30
27	....	8.06	8.83	7.03	....	8.39	8.33	8.31
28	....	8.11	8.86	7.13	....	8.38	8.35	8.32
29	....	8.17	8.87	7.20	8.32	8.38	8.37	8.32
30	....	8.23	8.89	7.27	8.34	8.38	8.37	8.30
31	....		8.90	7.31		8.38		8.29

* No record for January, February, March, and April.

A8-7-18ddb. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel, diameter 8 inches, depth 41 feet. Highest water level 1.63 below lsd, Aug. 25, 1954; lowest 10.05 below lsd, May 21, 1954. Records available: 1954.

Daily lowest water level from recorder graph*

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	5.66	8.65	3.19	6.69	8.02	8.77
2	....	....	5.77	8.14	3.40	6.86	8.02	8.69
3	....	....	5.94	8.21	3.55	6.95	7.86	8.45
4	....	9.68	6.07	8.45	3.82	6.87	8.00	8.43
5	....	9.67	6.22	8.65	4.01	....	8.00	....
6	....	9.68	6.33	8.65	4.19	6.92	7.96	....
7	....	9.90	6.52	7.58	4.33	6.92	8.04	....
8	....	9.95	6.63	2.42	4.45	6.72	8.13	8.54
9	....	....	6.71	2.69	4.64	6.79	8.18	8.67
10	....	....	6.74	3.00	4.72	6.87	8.18	8.67
11	....	5.00	5.94	3.16	4.83	6.91	8.23	8.80
12	....	5.25	6.18	3.14	5.06	7.09	8.23	8.85
13	....	5.46	6.34	3.36	5.16	7.15	8.21	8.78
14	....	5.72	6.62	3.56	5.21	7.27	8.28	8.68
15	....	5.77	6.75	3.81	5.28	7.27	8.17	8.68
16	....	5.99	6.84	3.78	5.41	7.27	8.08	8.69
17	....	....	6.97	3.81	5.57	7.31	8.27	8.72
18	....	....	7.12	3.70	5.64	7.38	8.32	8.84
19	....	....	7.27	3.81	5.87	7.39	8.32	8.88
20	....	....	7.42	3.99	5.98	7.44	8.31	8.88
21	10.05	....	7.50	4.03	6.06	7.57	8.41	8.87
22	....	....	7.67	3.52	6.21	7.62	8.42	8.73
23	....	3.94	7.74	3.35	6.25	7.63	8.36	8.93
24	....	4.19	7.86	....	6.31	7.65	8.43	8.93
25	....	4.48	8.01	1.63	6.36	7.65	8.44	8.82
26	....	4.72	8.08	1.89	6.42	7.61	8.39	8.94
27	....	4.93	8.13	2.21	....	7.68	8.31	9.04
28	....	5.14	8.32	2.42	....	7.65	8.54	9.07
29	....	5.37	8.43	2.61	6.62	7.74	8.66	8.84
30	....	5.56	8.57	2.80	6.73	7.80	8.66	8.88
31	....		8.67	2.99		7.80		8.88

* No record for January, February, March, and April.

A8-7-20dda. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter 8 inches, depth 33 feet. Highest water level 2.93 below lsd, Aug. 25, 1954; lowest 9.32 below lsd, May 20, 1954. Records available: 1954.

Daily lowest water level from recorder graph*

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	6.80	8.32	4.53	7.13	7.46	7.70
2	....	....	6.97	8.39	4.59	7.10	7.46	7.65
3	....	....	7.06	8.42	4.72	7.22	7.41	7.57
4	....	....	7.22	8.48	5.02	7.27	7.46	7.57
5	....	....	7.36	8.52	5.20	7.26	7.46	7.65
6	....	....	7.54	8.50	5.31	7.07	7.40	7.62
7	....	7.63	7.66	7.65	5.61	7.08	7.41	7.54
8	....	7.76	7.77	6.66	5.66	7.03	7.47	7.49
9	....	4.56	7.92	6.70	5.66	6.98	7.50	7.52
10	....	6.66	7.92	6.75	5.73	7.05	7.53	7.50

A8-7-20dda--Continued.

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	....	4.82	7.14	6.84	5.85	7.07	7.53	7.51
12	....	4.83	7.42	6.70	6.07	7.20	7.57	7.51
13	....	4.83	7.63	6.63	6.12	7.25	7.58	7.48
14	....	5.00	7.62	6.76	6.12	7.30	7.53	7.45
15	....	4.97	6.42	6.90	6.20	7.31	7.50	7.43
16	....	5.07	6.56	6.40	6.29	7.32	7.50	7.40
17	....	5.07	7.36	5.66	6.40	7.38	7.54	7.40
18	....	4.39	7.59	5.50	6.43	7.41	7.56	7.40
19	....	3.85	6.75	5.63	6.58	7.41	7.57	7.42
20	9.32	4.25	8.04	5.93	6.64	7.41	7.62	7.41
21	....	4.55	....	6.01	6.69	7.47	7.62	7.40
22	....	4.73	....	4.88	6.79	7.49	7.59	7.37
23	....	4.93	....	....	6.81	7.50	7.60	7.33
24	....	5.15	....	....	6.85	7.52	7.62	7.37
25	....	5.42	....	2.93	6.89	7.52	7.63	7.30
26	....	5.60	....	3.30	6.94	7.50	7.60	7.35
27	....	5.84	....	3.61	....	7.36	7.58	7.38
28	....	6.11	8.64	3.83	....	7.36	7.62	7.40
29	....	6.38	8.73	3.96	7.06	7.40	7.65	7.39
30	....	6.59	8.77	4.11	7.13	7.42	7.65	7.47
31	....		8.75	4.29		7.42		7.47

* No record for January, February, March, and April.

A8-7-21bb. U. S. Geol. Survey. Drilled observation water-table well in silt, sand, and gravel, diameter 8 inches, depth 16 feet. Highest water level 8.06 below lsd, June 17, 1954; lowest 10.97 below lsd, July 31–Aug. 1, 1954. Records available: 1954.

Daily lowest water level from recorder graph*

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	9.83	10.97	9.36	10.43	9.90	9.50
2	....	....	9.89	10.49	9.42	10.48	9.91	9.45
3	....	....	9.95	10.40	9.44	10.48	9.89	9.41
4	....	9.11	10.01	10.46	9.54	10.46	9.90	9.43
5	....	9.15	10.06	10.51	9.62	10.14	9.87	9.48
6	....	9.24	10.09	10.51	9.68	10.10	9.80	9.47
7	....	9.37	.....	10.12	9.76	10.08	9.76	9.42
8	....	9.41	10.11	9.66	9.78	9.99	9.72	9.41
9	....	8.67	10.14	9.72	9.80	9.89	9.70	9.44
10	....	8.84	10.15	9.78	9.81	9.92	9.66	9.42
11	....	9.00	9.83	9.73	9.85	9.93	9.63	9.44
12	....	9.10	9.90	9.70	9.93	9.94	9.60	9.45
13	....	9.15	9.99	9.64	9.98	10.02	9.58	9.42
14	....	10.22	10.12	9.69	9.98	10.06	9.58	9.42
15	....	10.23	10.22	9.74	9.99	10.09	9.53	9.40
16	....	9.24	10.28	9.71	10.02	10.11	9.49	9.41
17	....	8.06	10.35	9.63	10.07	10.15	9.49	9.41
18	....	8.46	10.41	9.58	10.10	10.18	9.49	9.42
19	....	8.81	10.43	9.60	10.17	10.18	9.48	9.40
20	9.57	8.94	10.50	9.64	10.21	10.18	9.47	9.40
21	....	9.08	10.57	9.65	10.26	10.20	9.46	9.40
22	....	9.18	10.61	9.53	10.31	10.21	9.46	9.37
23	....	9.24	10.64	8.61	10.32	10.20	9.44	9.40
24	....	9.32	10.68	8.71	10.34	10.21	9.44	9.39
25	....	9.41	10.72	8.87	10.36	10.21	9.45	9.35
26	....	9.48	10.75	9.02	.....	.....	9.42	9.37
27	....	9.54	10.78	9.13	.....	9.83	9.40	9.37
28	....	9.59	10.85	9.22	.....	9.82	9.46	9.37
29	....	9.66	10.89	9.26	10.44	9.84	9.49	9.38
30	....	9.75	10.94	9.29	10.47	9.87	9.48	9.37
31	....		10.97	9.32		9.87		9.36

* No record for January, February, March, and April.

A8-7-30cd. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter 8 inches, depth 22 feet. Highest water level 11.96 below lsd, Sept. 2-3, 1954; lowest 13.89 below lsd, Dec. 26-28, 30, 1954. Records available: 1954.

A8-7-30cd--Continued.

Daily lowest water level from recorder graph*

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	13.04	13.33	12.00	12.68	13.32	13.70
2	.....	.....	13.02	13.35	11.96	12.65	13.12	13.64
3	.....	.....	13.02	13.35	11.96	12.74	13.27	13.59
4	.....	.....	13.02	13.38	11.97	12.79	13.33	13.66
5	.....	.....	13.02	13.41	12.00	12.85	13.32	13.75
6	.....	.....	12.98	13.41	12.01	12.86	13.32	13.74
7	.....	13.70	13.02	13.39	12.04	12.84	13.35	13.67
8	.....	13.68	13.03	13.32	.....	12.75	13.38	13.70
9	.....	13.64	13.01	13.24	.....	12.76	13.40	13.74
10	.....	13.64	13.01	13.17	.....	12.81	13.39	13.72
11	.....	13.61	12.99	13.16	12.08	12.84	13.42	13.79
12	.....	13.61	13.02	13.08	12.08	12.92	13.41	13.79
13	.....	13.56	13.00	13.05	12.17	12.95	13.45	13.74
14	.....	13.53	13.03	13.01	12.20	12.99	13.45	13.75
15	.....	13.51	13.07	12.99	12.21	12.97	13.39	13.74
16	.....	13.48	13.08	12.96	12.23	12.97	13.40	13.79
17	.....	13.49	13.06	12.95	12.27	13.03	13.49	13.79
18	.....	13.44	13.02	12.95	12.29	13.06	13.50	13.83
19	.....	13.39	13.05	12.93	12.40	13.05	13.50	13.84
20	.....	13.32	13.06	12.88	12.44	13.04	13.55	13.84
21	13.83	13.29	13.10	12.85	12.41	13.10	13.55	13.85
22	.....	13.28	13.15	12.82	12.49	13.12	13.55	13.81
23	.....	13.22	13.17	12.55	12.50	13.12	13.55	13.88
24	.....	13.17	13.18	12.40	12.49	13.13	13.55	13.88
25	.....	13.14	13.21	.....	12.56	13.13	13.55	13.86
26	.....	13.14	13.22	12.22	12.61	13.21	13.54	13.89
27	.....	13.10	13.20	12.14	.....	13.22	13.54	13.89
28	.....	13.07	13.25	12.12	.....	13.19	13.63	13.89
29	.....	13.08	13.28	12.08	12.63	13.23	13.67	13.84
30	.....	13.07	13.31	12.05	12.68	13.24	13.67	13.89
31	.....		.....	12.00		13.25		13.88

* No record for January, February, March, and April.

A8-7-33ab. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter 1¼ inches, depth 33 feet. Highest water level 1.77 below lsd, Apr. 16, 1952; lowest 8.64 below lsd, Jan. 27, 1954. Records available: 1951-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	8.64	July 7	6.15	Sept. 8	4.80	Nov. 10	6.05
Feb. 24	7.67	14	6.05	15	5.19	17	6.12
Mar. 31	8.41	21	6.47	21	5.53	24	6.26
Apr. 28	7.96	28	6.80	27	5.84	Dec. 1	6.44
May 26	6.94	Aug. 4	6.36	Oct. 6	5.42	8	6.33
June 9	4.49	11	5.08	13	5.42	15	6.46
16	5.10	18	4.79	20	5.75	22	6.52
23	4.90	25	2.84	27	5.80	29	6.59
30	5.59	Sept. 1	4.04	Nov. 3	5.83		

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: 1949-54. Jan. 7, 21.83; Apr. 17, 22.15; July 4, 22.30; Dec. 25, 21.45.

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 17.64 below lsd, Apr. 19-23, 27-28, 1954. Records available: 1951-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.46	17.51	17.56	17.62	17.57	17.22	16.83	17.16	15.15	16.48	16.88	17.14
2	17.46	17.51	17.57	17.62	17.49	17.21	16.84	16.57	15.28	16.46	16.88	17.14
3	17.46	17.51	17.57	17.62	17.22	17.24	16.88	.....	15.33	16.50	16.86	17.12
4	17.46	17.51	17.57	17.62	17.07	17.24	16.90	16.40	15.48	16.52	16.89	17.13
5	17.47	17.51	17.57	17.62	16.98	17.24	16.92	16.48	15.57	16.55	16.89	17.17

A10-6-34ca--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	17.47	17.52	17.57	17.62	16.95	17.25	16.94	16.51	15.65	16.58	16.89	17.17
7	17.48	17.52	17.57	17.62	16.97	17.29	16.99	16.45	15.72	16.58	16.91	17.17
8	17.47	17.52	17.57	17.62	17.00	17.30	17.00	16.24	15.82	16.51	16.93	17.16
9	17.48	17.51	17.56	17.62	17.03	17.21	17.01	16.18	15.84	16.50	16.94	17.18
10	17.48	17.51	17.56	17.62	17.06	17.21	17.01	16.27	15.85	16.53	16.94	17.18
11	17.48	17.53	17.56	17.63	17.07	17.24	16.00	16.35	15.87	16.54	16.95	17.20
12	17.49	17.53	17.56	17.63	17.09	17.27	15.77	16.41	15.97	16.60	16.95	17.21
13	17.49	17.51	17.58	17.63	17.11	17.27	15.95	16.45	16.02	16.57	16.97	17.21
14	17.48	17.50	17.59	17.61	17.12	17.29	16.13	16.49	16.04	.....	16.98	17.21
15	17.49	17.53	17.59	17.62	17.14	17.30	16.29	16.50	16.05	.....	16.97	17.21
16	17.50	17.54	17.59	17.63	17.16	.....	16.44	16.53	16.07	.....	16.96	17.22
17	17.50	17.54	17.59	17.63	17.18	.....	16.57	16.53	16.13	.....	16.99	17.22
18	17.50	17.54	17.58	17.63	17.19	.....	16.67	16.13	16.14	.....	17.01	17.24
19	17.49	17.54	17.58	17.64	17.20	.....	16.74	16.11	16.23	.....	17.01	17.25
20	17.50	17.54	17.60	17.64	17.21	.....	16.81	16.07	16.27	.....	17.02	17.25
21	17.50	17.54	17.60	17.64	17.22	.....	16.87	16.10	16.27	.....	17.04	17.26
22	17.51	17.54	17.60	17.64	17.23	.....	16.92	15.20	.....	.....	17.04	17.26
23	17.50	17.54	17.60	17.64	17.24	16.31	16.95	(k)	.....	.....	17.05	17.28
24	17.49	17.54	17.60	17.63	17.25	16.44	16.98	(k)	.....	.....	17.07	17.28
25	17.49	17.54	17.60	17.63	17.18	16.55	17.01	12.59	16.34	.....	17.07	17.28
26	17.50	17.54	17.60	17.63	17.08	16.63	17.03	13.26	.....	.....	17.07	17.29
27	17.50	17.55	17.61	17.64	17.12	16.68	17.04	13.85	.....	.....	17.06	17.31
28	17.51	17.56	17.61	17.64	17.15	16.73	17.09	14.31	.....	.....	17.10	17.31
29	17.51		17.61	17.62	17.18	16.78	17.11	14.59	16.44	16.81	17.12	17.30
30	17.51		17.62	17.62	17.22	16.81	17.14	14.79	16.48	16.84	17.12	17.32
31	17.51		17.62		17.22		17.16	14.94		16.84		17.32

k Flooded.

A10-6-36cdd. City of Lincoln. Drilled unused water table well in Dakota sandstone, diameter 16 inches, depth 170 feet. Highest water level 67.97 below lsd, June 18, 1953; lowest 70.30 below lsd, Dec. 1, 1954. Records available: 1951-54.

Daily lowest water level from recorder graph, 1951

Day	Aug.	Sept.	Oct.	Nov.	Dec.	Day	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	69.42	69.11	69.33	68.93	17	69.41	69.29	69.31	69.47	69.15
2	69.46	69.37	69.03	69.34	68.88	18	69.43	69.27	69.40	69.25	68.91
3	69.55	69.41	69.06	69.25	69.00	19	69.39	69.18	69.39	69.15	68.84
4	69.52	69.38	69.33	69.24	68.98	20	69.45	69.30	68.99	69.04	68.91
5	69.38	69.30	69.44	69.32	68.85	21	69.49	69.36	69.19	69.10	69.01
6	69.44	69.35	69.39	69.21	69.07	22	69.45	69.29	69.34	69.15	69.03
7	69.38	69.38	69.39	69.21	.....	23	69.38	69.30	69.28	69.25	69.26
8	69.38	69.26	69.42	69.00	.....	24	69.30	69.29	69.21	69.27	69.16
9	.....	69.21	69.26	69.10	.....	25	69.30	69.27	69.18	69.18	69.23
10	.....	69.17	69.25	69.10	69.14	26	69.31	69.38	69.32	69.23	69.38
11	.....	69.11	69.12	69.05	69.08	27	69.24	69.50	69.30	69.09	69.32
12	.....	69.36	69.15	68.83	69.07	28	69.23	69.50	69.12	69.09	68.81
13	.....	69.36	69.15	69.02	69.07	29	69.26	69.25	68.98	69.04	68.88
14	.....	69.43	69.26	69.14	69.32	30	69.24	69.16	69.32	69.04	68.87
15	69.46	69.47	69.19	69.31	69.35	31	69.35		69.32		69.20
16	69.44	69.44	69.27	69.48	69.10						

Daily lowest water level from recorder graph, 1952

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	69.29	69.10	69.02	69.07	68.78	68.78	68.64	68.42	68.39	68.49	68.40	68.43
2	69.20	68.98	68.94	69.07	68.81	68.65	68.56	68.44	68.41	68.57	68.67	68.45
3	69.20	69.00	69.06	68.94	68.83	68.74	.....	68.43	68.41	68.41	68.73	68.42
4	68.96	68.98	69.17	69.07	68.76	68.63	.....	68.47	68.41	68.46	68.50	68.49
5	69.11	69.13	69.17	69.09	68.79	68.64	.....	68.50	68.39	68.49	68.46	68.47
6	69.11	69.09	69.18	69.11	68.85	68.68	.....	68.48	68.50	68.57	68.58	68.35
7	68.87	68.97	69.17	68.88	68.79	68.66	.....	68.42	68.47	68.55	68.52	68.35
8	69.00	69.16	69.02	69.03	68.78	68.71	.....	68.40	68.41	68.41	68.45	68.36
9	69.29	69.00	68.80	69.15	68.81	68.70	68.48	68.44	68.42	68.46	68.57	68.54
10	69.28	69.01	68.93	69.15	68.88	68.60	68.47	.....	68.40	68.44	68.51	68.56
11	68.99	69.02	69.01	68.91	68.79	68.56	68.54	.....	68.40	68.44	68.39	68.59
12	69.05	68.87	68.82	68.80	68.86	68.56	68.66	68.46	68.34	68.36	68.39	68.65
13	68.87	68.98	69.18	68.94	68.82	68.58	68.56	68.41	68.30	68.42	68.27	68.65
14	69.06	69.13	69.18	69.01	68.65	68.67	68.57	68.31	.....	68.58	68.32	68.61
15	69.12	69.11	69.19	69.02	68.71	68.64	68.53	68.37	.....	68.53	68.34	68.47

A10-6-36cdd--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	68.96	69.00	69.14	69.06	68.88	68.75	68.41	68.39	.....	68.40	68.35	68.40
17	69.15	68.98	68.86	68.98	68.88	68.75	.....	68.46	68.20	68.63	68.34	68.56
18	69.13	68.89	68.91	68.87	68.87	68.75	.....	68.43	68.34	68.58	68.52	68.62
19	69.19	69.03	68.93	68.80	68.78	68.69	.....	68.43	68.39	68.52	68.52	68.50
20	69.27	69.14	69.13	68.80	68.68	68.62	.....	68.40	68.46	68.68	68.50	68.55
21	68.94	69.18	69.10	68.81	68.58	68.56	.....	68.50	68.48	68.57	68.56	68.52
22	69.26	69.05	69.00	68.89	68.67	68.53	.....	68.52	68.47	68.44	68.62	68.36
23	69.31	69.08	68.99	68.93	68.73	68.50	68.67	68.47	68.40	68.50	68.63	68.55
24	69.23	69.22	68.99	68.95	68.74	68.45	68.57	68.41	68.38	68.38	68.57	68.62
25	68.91	69.22	69.00	68.92	68.75	68.67	68.52	68.39	68.36	68.35	68.36	68.59
26	69.15	68.95	69.11	68.82	68.71	68.74	68.56	68.30	68.43	68.43	68.65	68.54
27	69.19	68.89	69.11	68.75	68.81	68.63	68.48	68.29	68.33	68.61	68.69	68.61
28	69.20	68.91	68.96	68.79	68.88	68.65	68.56	68.37	68.33	68.67	68.69	.....
29	69.18	69.03	68.85	68.85	68.76	68.68	68.49	68.33	68.40	68.53	68.67	68.37
30	69.02		68.83	68.84	68.71	68.64	68.50	68.24	68.32	68.26	68.66	68.44
31	69.00		68.97		68.77		68.56	68.32		68.46		68.45

Daily lowest water level from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	68.36	68.49	68.39	68.39	68.24	68.33	68.10	68.15	68.63	68.80	69.24	69.24
2	68.52	68.43	68.29	68.43	68.37	68.34	68.18	68.22	68.53	68.70	69.30	69.21
3	68.50	68.40	68.39	68.43	68.49	68.13	68.15	68.25	68.69	68.99	69.36	69.02
4	68.41	68.38	68.40	68.41	68.50	68.09	68.13	68.36	68.72	68.98	69.35	69.28
5	68.47	68.29	68.45	68.37	68.36	68.23	68.21	68.36	68.68	68.91	69.37	69.25
6	68.45	68.36	68.70	68.21	68.28	68.24	68.26	68.36	68.74	68.97	69.25	69.30
7	68.36	68.45	68.54	68.20	68.30	68.16	68.23	68.44	68.75	68.87	69.37	69.27
8	68.49	68.40	68.59	68.27	68.28	68.14	68.29	38.44	68.66	68.82	69.38	69.35
9	68.59	68.45	68.44	68.38	68.10	68.16	68.32	38.41	68.64	68.88	69.30	69.34
10	68.50	68.51	68.32	68.38	68.32	68.21	68.30	38.31	68.62	68.77	69.22	69.25
11	69.59	68.44	68.30	68.33	68.40	68.23	68.20	38.46	68.71	68.90	69.32	69.49
12	68.36	68.44	68.42	68.35	68.50	68.29	68.20	68.51	68.76	68.99	69.26	69.43
13	68.37	68.45	68.40	68.21	68.50	68.12	68.14	68.36	68.66	68.99	69.22	69.37
14	68.22	68.36	68.28	68.18	68.34	68.11	68.16	68.42	68.61	69.02	69.17	69.45
15	68.76	68.40	68.52	68.42	68.20	.....	68.22	68.51	68.68	69.01	69.16	69.51
16	68.77	68.62	68.43	68.40	68.18	.....	68.23	68.48	68.61	68.96	69.12	69.57
17	.....	68.62	68.35	68.38	68.19	68.08	68.22	68.52	68.44	68.98	69.12	69.54
18	68.40	68.41	68.39	68.46	68.25	67.97	68.18	68.51	68.71	68.97	69.20	69.41
19	68.36	68.29	68.42	68.48	68.20	68.01	68.16	68.52	68.64	69.07	69.18	69.17
20	68.49	68.59	68.19	68.48	68.11	68.19	68.16	68.49	68.81	69.06	69.13	69.11
21	68.36	68.74	68.45	68.11	68.29	68.36	68.23	68.50	68.89	69.09	69.28	69.50
22	68.49	68.55	68.45	68.23	68.31	68.27	68.26	68.51	68.80	69.17	69.25	69.63
23	68.46	68.52	68.48	68.26	68.32	68.25	68.23	68.49	68.63	69.14	69.10	69.55
24	68.51	68.44	68.57	68.08	68.16	68.18	68.17	68.44	68.72	69.07	69.21	69.30
25	68.47	68.37	68.60	68.36	68.29	68.48	68.17	68.50	68.76	69.13	69.32	69.32
26	68.31	68.30	68.50	68.38	68.39	68.27	68.25	68.51	68.68	69.18	69.28	69.35
27	68.52	68.45	68.53	68.29	68.46	68.21	68.30	68.54	68.68	69.10	69.47	69.32
28	68.50	68.44	68.50	68.04	68.30	68.28	68.16	68.50	68.53	69.18	69.36	69.27
29	68.42		68.29	68.01	68.14	68.19	68.21	68.48	68.93	69.18	69.37	69.47
30	68.33		68.31	68.12	68.17	68.19	68.26	68.58	68.97	69.11	69.38	69.46
31	68.51		68.35		68.27		68.22	68.62		69.28		69.34

Daily lowest water level from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	69.27	69.42	69.54	69.47	69.60	69.52	.....	69.65	69.68	69.91	70.13	70.30
2	69.50	69.32	69.69	69.68	69.65	69.43	.....	69.58	69.68	69.78	70.11	70.05
3	69.49	69.39	69.71	69.65	69.67	69.50	.....	69.55	69.70	69.85	69.89	69.89
4	69.37	69.40	69.67	69.43	69.52	69.50	.....	69.58	69.70	69.95	70.00	70.00
5	69.47	69.42	69.55	69.35	69.48	69.43	.....	69.69	69.73	70.03	69.95	70.22
6	69.50	69.55	69.44	69.36	69.49	69.32	.....	69.67	69.77	70.08	69.88	70.17
7	69.30	69.58	69.59	69.67	69.54	69.56	69.55	69.65	69.80	69.98	69.92	70.02
8	69.35	69.29	69.59	69.73	69.56	69.55	69.58	69.68	69.76	69.73	70.00	69.97
9	69.56	69.25	69.35	69.43	69.61	69.47	69.51	69.71	69.82	69.66	70.04	70.06
10	69.56	69.48	69.22	69.58	69.58	69.49	69.55	69.73	69.85	.....	70.04	70.02
11	69.59	69.65	69.25	69.72	69.51	69.52	69.45	69.64	69.78	.....	70.08	70.20
12	69.60	69.63	69.40	69.70	69.48	69.53	69.53	69.66	69.68	.....	70.05	70.22
13	69.39	69.14	69.68	69.40	69.46	69.50	69.50	69.67	69.75	69.86	70.03	70.06
14	69.29	69.15	69.70	69.21	69.48	69.49	69.61	69.65	69.81	69.96	70.04	70.00
15	69.43	69.53	69.75	69.56	69.47	69.42	69.66	69.69	69.80	69.92	69.84	70.00

A10-6-36cdd--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	69.54	69.59	69.65	69.56	69.50	69.50	69.60	69.71	69.75	69.89	69.75	69.95
17	69.55	69.47	69.40	69.41	69.55	69.58	69.50	69.62	69.70	69.98	69.93	69.95
18	69.30	69.35	69.19	69.52	69.51	69.57	69.51	69.70	69.68	70.05	69.97	70.08
19	69.22	69.29	69.55	69.57	69.56	69.56	69.49	69.70	69.70	70.01	69.97	70.10
20	69.70	69.35	69.58	69.51	69.53	69.56	69.50	69.70	69.88	69.82	69.92	70.04
21	69.66	69.61	69.51	69.60	69.43	69.58	69.50	69.72	69.94	69.93	70.03	70.09
22	69.50	69.50	69.50	69.61	69.39	69.60	69.60	69.75	69.85	69.96	70.03	69.92
23	69.22	69.48	69.49	69.47	69.55	69.58	69.63	69.77	69.75	69.94	69.95	70.12
24	69.46	69.31	69.30	69.42	69.60	69.47	69.61	69.71	69.84	69.91	69.99	70.09
25	69.45	69.45	69.62	69.41	69.55	69.49	69.65	69.58	69.86	69.84	70.01	69.98
26	69.46	69.34	69.63	69.45	69.39	69.58	69.67	69.65	69.77	70.00	69.89	70.10
27	69.55	69.51	69.43	69.49	69.36	69.54	69.56	69.70	69.67	70.03	69.81	70.21
28	69.51	69.50	69.53	69.39	69.47	69.51	69.55	69.78	69.73	69.89	70.05	70.24
29	69.60		69.51	69.54	69.54	69.63	69.58	69.82	69.83	69.96	70.16	70.02
30	69.62		69.55	69.51	69.46	69.65	69.61	69.83	69.95	69.95	70.24	70.01
31	69.64		69.59		69.52		69.70	69.75		69.93		69.90

A11-6-20dc. U. S. Geol. Survey. Drilled unused water-table well in sand and gravel of Pleistocene age, diameter 8 inches, depth 34 feet. Highest water level 12.40 below lsd, Apr. 24, 1952; lowest 16.92 below lsd, Dec. 24, 26-27, 1954. Records available: 1951-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.56	16.50	16.53	16.67	16.63	16.19	16.34	16.60	15.72	16.65	16.80	16.87
2	16.55	16.50	16.55	16.67	16.55	16.20	16.34	16.60	15.78	16.68	16.81	16.87
3	16.56	16.51	16.57	16.67	16.38	16.17	16.15	16.58	15.83	16.69	16.82	16.87
4	16.56	16.52	16.58	16.68	16.25	16.07	16.09	16.59	15.88	16.70	16.83	16.87
5	16.56	16.52	16.58	16.68	16.20	16.03	16.12	16.61	15.94	16.71	16.83	16.88
6	16.57	16.53	16.59	16.68	16.16	16.03	16.15	16.62	15.99	16.69	16.83	16.88
7	16.57	16.54	16.60	16.68	16.15	16.07	16.18	16.61	16.04	16.69	16.83	16.88
8	16.57	16.54	16.61	16.68	16.16	16.11	16.21	16.55	16.12	16.70	16.83	16.87
9	16.57	16.54	16.62	16.69	16.17	16.14	16.25	16.43	16.16	16.70	16.84	16.88
10	16.57	16.54	16.62	16.69	16.19	16.16	16.27	16.42	16.19	16.71	16.84	16.88
11	16.57	16.57	16.62	16.70	16.21	16.18	16.28	16.40	16.22	16.72	16.84	16.88
12	16.58	16.57	16.62	16.70	16.23	16.22	16.30	16.42	16.25	16.74	16.85	16.89
13	16.58	16.56	16.63	16.70	16.26	16.26	16.32	16.45	16.28	16.75	16.85	16.88
14	16.56	16.55	16.63	16.70	16.29	16.24	16.33	16.47	16.34	16.76	16.85	16.88
15	16.56	16.56	16.64	16.70	16.31	16.31	16.36	16.48	16.37	16.77	16.85	16.89
16	16.57	16.58	16.64	16.70	16.33	16.32	16.38	16.48	16.39	16.77	16.85	16.88
17	16.57	16.58	16.64	16.71	16.35	16.32	16.39	16.48	16.41	16.78	16.85	16.89
18	16.56	16.58	16.63	16.71	16.37	16.27	16.41	16.42	16.43	16.79	16.85	16.89
19	16.55	16.58	16.64	16.71	16.38	16.15	16.43	16.35	16.45	16.80	16.85	16.90
20	16.54	16.56	16.65	16.71	16.39	16.14	16.45	16.31	16.48	16.81	16.85	16.90
21	16.55	16.53	16.65	16.71	16.40	16.15	16.46	16.32	16.49	16.79	16.86	16.90
22	16.55	16.53	16.65	16.69	16.41	16.13	16.48	16.29	16.51	16.79	16.86	16.90
23	16.53	16.53	16.65	16.65	16.42	16.00	16.49	16.16	16.52	16.81	16.86	15.90
24	16.50	16.52	16.65	16.62	16.35	16.04	16.50	15.87	16.54	16.82	16.86	16.92
25	16.50	16.51	16.65	16.63	16.16	16.10	16.51	15.74	16.57	16.83	16.86	16.91
26	16.50	16.50	16.66	16.64	16.11	16.16	16.52	15.74	.....	16.82	16.86	16.92
27	16.51	16.51	16.66	16.67	16.10	16.21	16.53	15.74	.....	16.80	16.86	16.92
28	16.51	16.52	16.66	16.69	16.11	16.25	16.57	15.55	.....	16.79	16.86	16.91
29	16.50		16.66	16.70	16.12	16.29	16.57	15.50	.....	16.80	16.86	16.90
30	16.50		16.67	16.70	16.14	16.32	16.58	15.58	.....	16.79	16.86	.....
31	16.50		16.67		16.17		16.60	15.66		16.80		.....

Lincoln County

10-32-17cc. J. M. Fristo. Drilled unused water-table well in Ogallala formation, diameter 4 inches, depth 210 feet. Highest water level 143.14 below lsd, Apr. 28, 1954; lowest 148.57 below lsd, Jan. 22, 1941. Records available: 1934-42, 1944, 1953-54. Apr. 28, 143.14.

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, Apr. 27, 1954. Records available: 1946-54. Apr. 27, 11.74; Nov. 23, 11.35.

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: 1934-54. Measured by Central Nebraska Public Power and Irrigation District.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	5.71	Apr. 19	5.86	June 15	6.21	Nov. 24	6.22
Feb. 10	5.64	27	5.86	Aug. 27	6.60	Dec. 8	6.11
Mar. 5	5.55						

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: 1947-54. May 11, 12.52; Nov. 23, 12.84.

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: 1938-54. Measured by Central Nebraska Public Power and Irrigation District.

Jan. 11	4.85	Apr. 19	5.08	June 15	5.51	Nov. 24	5.06
Feb. 10	4.74	May 11	5.15	Sept. 27	5.83	Dec. 8	4.96
Mar. 5	4.91						

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: 1938-54. Measured by Central Nebraska Public Power and Irrigation District.

Jan. 11	4.33	Apr. 19	3.74	June 15	4.22	Nov. 23	4.67
Feb. 10	4.19	27	3.82	Sept. 27	5.37	Dec. 8	4.55
Mar. 5	4.03						

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: 1934-54.

Feb. 11	g11.40	June 7	11.10	Sept. 14	11.60	Dec. 8	g11.98
Mar. 5	g11.32	15	g11.14	27	g11.77	20	11.90
Apr. 28	11.25	23	11.20	Nov. 24	12.10		

g By Central Nebraska Public Power and Irrigation District.

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: 1946-54.

Feb. 2	g4.00	Apr. 27	3.72	June 14	g3.42	Nov. 24	3.92
Apr. 6	g3.35	28	3.72	Sept. 8	g4.77	Dec. 14	3.80

g 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 9.80 below lsd, Sept. 14, 1954. Records available: 1946-54. Feb. 2, *8.60; Apr. 6, *8.47; Apr. 28, 8.49; Sept. 14, 9.80; Nov. 24, 9.52; Dec. 14, 9.50. * 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 4.85 below lsd, Apr. 27, 1954. Records available: 1936-46, 1951, 1954. Apr. 27, 4.85; Oct. 25, 3.35.

14-33-27da. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 15 inches, depth 102 feet. Highest water level 1.58 below lsd, June 27, 1949; lowest 6.70 below lsd, Feb. 20-22, 1952. Records available: 1943-54.

14-33-27da--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.81	....	6.06	6.10	....	5.86	5.78	5.73	5.70	5.20	4.77	....
2	5.82	....	6.07	6.11	....	....	5.80	5.71	5.70	5.09	4.77	....
3	5.82	5.99	6.07	6.11	....	....	5.81	5.70	....	4.99	4.78	5.07
4	5.83	5.99	6.07	6.11	....	....	5.82	....	....	4.91	4.79	5.12
5	5.83	5.99	6.07	6.11	....	....	5.82	....	....	4.85	....	5.16
6	5.83	6.00	....	6.13	....	....	5.81	....	....	4.80	....	5.21
7	5.84	6.00	....	6.13	....	....	....	....	....	4.76	....	5.25
8	....	....	....	6.13	....	....	....	....	....	4.60	....	5.28
9	....	....	....	....	....	5.85	....	5.67	....	4.60	....	5.31
10	....	....	....	....	....	5.85	....	5.66	....	4.57	4.82	5.34
11	....	....	....	....	....	5.83	....	5.65	....	4.55	4.84	....
12	....	....	....	....	6.10	5.83	....	5.64	....	4.54	4.84	....
13	5.87	....	....	....	6.10	5.82	....	5.62	....	4.54	4.84	....
14	5.88	....	....	....	6.10	5.82	....	5.57	....	4.55	4.86	5.49
15	5.89	....	....	....	6.10	5.82	....	5.55	....	4.54	4.86	5.50
16	5.89	....	....	....	6.10	5.82	5.88	5.55	....	....	4.87	5.54
17	5.90	....	6.09	....	6.09	....	5.88	....	5.50	....	4.90	5.56
18	5.90	....	6.08	....	6.06	....	5.88	....	5.50	....	....	5.58
19	5.91	....	6.07	6.15	6.03	....	5.87	....	5.50	....	....	5.59
20	5.93	....	6.06	6.15	5.99	....	5.86	....	5.50	....	....	5.61
21	....	....	6.06	6.16	5.96	....	5.86	....	5.50	4.60	....	5.62
22	5.94	....	6.06	6.15	5.93	....	5.86	....	5.50	4.62	5.80	....
23	5.95	....	6.06	6.15	5.91	....	5.86	....	5.50	4.63	5.00	....
24	5.95	....	6.06	6.15	5.91	....	....	....	5.50	4.63	5.01	....
25	5.96	....	....	6.15	5.91	....	....	....	....	4.65	5.01	....
26	5.97	6.05	....	6.14	5.91	....	....	5.65	....	4.66	5.01	....
27	5.97	6.06	....	....	5.89	....	5.80	5.67	....	4.67	5.02	....
28	5.98	6.06	....	....	5.88	....	5.79	5.68	....	4.72	5.02	....
29	5.99		....	....	5.87	5.80	5.77	5.71	....	4.74	5.03	5.70
30	....		....	....	5.86	5.79	5.75	5.71	5.25	4.75	....	5.71
31	....		....		5.86		5.73	5.70		4.75		5.72

15-31-13dd. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel, 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, 1951-54. Nov. 23, 6.85.

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, 1951-54. Nov. 23, 68.76.

Loup County

21-17-32dc. Louie Bohy. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches. Highest water level 22.91 below lsd, Aug. 13, 1954; lowest 24.67 below lsd, Apr. 15, 1952. Records available: 1950-54. Mar. 24, 23.94; Aug. 13, 22.91.

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, 1950-54. Mar. 23, 3.72; Aug. 13, 4.42.

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 9.14 below lsd, Aug. 13, 1954; lowest 11.93 below lsd, July 14, 1953. Records available: 1951-54. Mar. 23, 11.75; Aug. 13, 9.14.

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. No measurement made in 1954.

23-2-5aa. John Bredehoft. Drilled unused water-table well in alluvial sand, diameter $1\frac{1}{2}$ inches, depth 31 feet. Highest water level 2.93 below lsd, June 4, 1935; lowest 4.86 below lsd, July 16, 1936. Records available: 1934-37, 1940-42, 1944-54. Dec. 28, 3.76.

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, 1951-54. Apr. 27, 108.17; Nov. 23, 108.03.

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, Nov. 19, 1954. Records available: 1945-54. Apr. 12, 8.16; Nov. 19, 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 14.35 below lsd, Sept. 15, 1954. Records available: 1946-54. Feb. 25, *12.00; Apr. 12, 11.92; Sept. 15, *14.35; Nov. 19, 13.66. * 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: 1945-54. Feb. 25, *2.52; Apr. 12, 2.23; Sept. 15, *3.23; Nov. 19, 3.18. * 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: 1945-54. Apr. 12, 6.83; Nov. 19, 7.14.

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 6.31 below lsd, Nov. 19, 1954. Records available: 1945-54. Apr. 12, 5.69; Nov. 19, 6.31.

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: 1947-54. Apr. 12, 7.55; Nov. 19, 7.88.

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: 1945-54. Apr. 12, 3.95; Nov. 19, 5.55.

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, 1945-54. Apr. 12, 7.96; Nov. 19, 7.98.

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 9.80 below lsd, Nov. 19, 1954. Records available: 1945-54. Apr. 12, 9.34; Nov. 19, 9.80.

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: 1945-54. Apr. 12, 5.29; Nov. 19, 5.74.

15-5-8dd. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 19 feet. Land-surface datum is 1,650.32 feet above msl. Highest water level 11.15 below lsd, July 8, 1947; lowest 15.80 below lsd, Sept. 15, 1954. Records available: 1946-54. Feb. 25, *15.13; Apr. 12, 15.24; Sept. 15, *15.80; Nov. 19, 15.72.
* By Midstate Irrigation District.

15-8-33bc. Dinsdale. 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: 1948-54. Apr. 2, 12.22; Apr. 12, 11.99; Nov. 19, 12.71.

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 water level 8.99 below lsd, Nov. 10, 1953. Records available: 1947-54. Apr. 12, 5.19; Nov. 19, 6.14.

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, 1944-54. Apr. 12, 6.98; Nov. 19, 8.02.

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. No measurement made in 1954.

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, 1948-54. Oct. 26. 11.01.

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. No measurement made in 1954.

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: 1946-54. Oct. 26, 15.97.

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 water level 17.33 below lsd, Oct. 26, 1954. Records available: 1934-42, 1944-54. Oct. 26, 17.33.

20-50-32aa. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diameter 6 inches, depth 7 feet. Land-surface datum is 3,666.02 feet above msl. Highest water level 2.00 below lsd, May 14, 1942; lowest dry, July 16, 1954. Records available: 1930-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	4.85	Apr. 6	4.78	June 30	5.18	Oct. 6	4.60
12	4.87	11	4.79	July 6	5.65	11	4.42
17	4.90	16	5.09	10	5.67	16	4.43
21	4.92	20	5.02	16	(f)	21	4.88
27	4.92	26	4.94	26	5.22	26	4.52
30	4.90	May 2	5.05	Aug. 2	5.59	30	4.52
Feb. 5	4.88	6	5.18	5	5.52	Nov. 6	4.74
10	4.82	11	5.42	10	5.67	10	4.72
15	5.03	15	5.60	15	5.26	15	4.73
20	5.02	17	5.27	21	5.21	21	4.62
26	4.88	22	5.51	25	5.42	26	4.62
Mar. 3	4.98	28	5.17	30	5.24	30	4.60
8	5.12	June 2	4.99	Sept. 6	5.02	Dec. 5	4.57
13	4.91	7	5.12	11	5.22	10	4.62
17	4.88	12	5.61	15	4.90	15	4.64
29	4.66	17	5.15	20	5.17	20	4.67
30	4.68	22	5.13	25	5.28	25	4.62
31	4.69	27	5.11	30	4.77	28	4.69
Apr. 5	4.75						

f Dry.

22-50-14bc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 0.06 above lsd, May 9, 1949; lowest 2.33 below lsd, Aug. 13, 1946. Records available: 1946-54. June 19, 0.86; Oct. 26, 2.00.

22-50-28bc. Mrs. Jessie Jensen. Drilled unused water-table well in sandstone of Arikaree group of Tertiary age, diameter 6 inches, depth 91 feet. Highest water level 79.04 below lsd, June 16, 1953; lowest 83.15 below lsd, June 19, 1954. Records available: 1934-42, 1944, 1946-54. June 19, 83.15; Oct. 26, 78.88.

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 1954.

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. No measurement made in 1954.

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: 1948-54. Aug. 17, 12.13.

17-5-35dd. Loup River Public Power District. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 1¼ inches, depth 16 feet. Highest water level 3.52 below lsd, July 25, 1950; lowest 7.37 below lsd, Aug. 17, 1954. Records available: 1948-54. Aug. 17, 7.37.

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. No measurement made in 1954.

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: 1949-54. Aug. 25, 39.56.

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: 1948-54. Aug. 17, 12.72.

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: 1947-54. Feb. 3, 17.77; Mar. 29, 17.73; May 21, 17.24; June 25, 17.09; July 27, 17.70; Aug. 20, 16.89; Sept. 14, 17.37.

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. Measurement discontinued.

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: 1947-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	5.69	May 19	4.79	Aug. 18	5.47	Nov. 5	5.43
Mar. 30	5.66	July 22	6.40	Sept. 15	5.87	Dec. 14	5.13

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: 1946-54.

Jan. 20	4.21	May 20	0.47	July 28	5.83	Sept. 14	6.18
Mar. 25	3.11	June 23	3.26	Aug. 19	5.75	Dec. 15	5.43

1-8-23ab. U. S. Geol. Survey. Drilled observation water-table well in silt, loess, and clay of Pleistocene age, diameter 8 inches, depth 18 feet. Land-surface datum is 1,598.45 feet above msl. Highest water level 0.02 below lsd, July 29, 1951; lowest 7.91 below lsd, July 8-9, 1950. Records available: 1950-54.

1-8-23ab--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	5.73	5.19	5.50	5.65	4.22	5.23	5.35	4.62	5.52	5.44	....
2	....	5.72	5.24	5.53	5.48	4.24	5.31	4.82	4.71	5.47	5.45	....
3	....	5.72	5.25	5.53	5.00	4.27	5.38	4.36	4.79	5.48	5.42	....
4	....	5.72	5.26	5.52	4.77	4.27	5.43	4.46	4.93	5.48	5.44	....
5	....	5.72	5.27	5.52	4.77	4.31	5.49	4.58	5.04	5.47	5.44	....
6	....	5.72	5.27	5.53	4.85	4.38	5.55	4.60	5.10	5.45	5.44	....
7	....	5.72	5.33	5.58	4.86	4.47	5.61	4.60	5.16	5.44	5.45	....
8	....	5.68	5.33	5.58	4.92	4.51	5.60	4.27	5.20	5.38	5.47	....
9	....	5.65	5.31	5.55	4.94	4.46	5.09	4.26	5.22	5.35	5.47	....
10	....	5.68	5.30	5.60	4.95	4.47	4.99	4.34	5.22	5.33	5.48	....
11	....	5.70	5.30	5.61	4.95	4.55	4.91	4.38	5.23	5.32	5.49	....
12	....	5.69	5.36	5.61	4.95	4.60	5.06	4.37	5.29	5.28	5.49	....
13	....	5.62	5.40	5.59	4.96	4.60	5.10	4.37	5.34	5.28	5.50	5.63
14	....	5.61	5.40	5.57	4.97	4.64	5.20	4.45	5.34	5.29	5.51	5.66
15	....	5.65	5.42	5.63	5.00	4.58	4.94	4.53	5.33	5.29	5.50	5.65
16	....	5.66	5.42	5.63	4.75	3.73	4.39	4.52	5.34	5.28	5.50	5.68
17	....	5.64	5.39	5.63	3.68	3.82	4.45	4.51	5.35	5.30	5.53	5.69
18	....	5.62	5.37	5.65	3.66	3.92	4.70	3.87	5.38	5.32	5.54	5.69
19	....	5.58	5.44	5.67	3.71	4.04	4.90	3.91	5.39	5.33	5.55	5.70
20	....	5.56	5.44	5.67	3.76	4.17	5.05	3.98	5.42	5.32	5.55	5.70
21	5.54	5.56	5.44	5.68	3.83	4.28	5.16	4.03	5.43	5.34	5.57	5.70
22	5.54	5.53	5.45	5.58	3.93	4.37	5.22	4.04	5.44	5.35	5.58	5.70
23	5.55	5.44	5.45	5.54	3.99	4.47	5.23	3.96	5.47	5.34	....	5.72
24	5.60	5.30	5.44	5.54	4.03	4.61	5.26	3.97	5.48	5.35	....	5.72
25	5.63	5.15	5.49	5.57	4.04	4.73	5.29	4.08	5.48	5.36	....	5.72
26	5.64	5.12	5.49	5.59	4.06	4.83	5.31	4.20	5.49	5.39	....	5.73
27	5.67	5.17	5.46	5.61	4.08	4.93	5.32	4.30	5.50	5.40	....	5.74
28	5.68	5.17	5.47	5.61	4.11	5.01	5.34	4.40	5.50	5.38	....	5.75
29	5.72		5.48	5.62	4.15	5.10	5.39	4.48	5.52	5.40	....	5.72
30	5.73		5.49	5.65	4.17	5.16	5.48	4.49	5.52	5.41	....	5.74
31	5.72		5.51		4.22		5.48	4.53		5.42		5.74

Phelps County

5-18-2cc. C. M. Brown. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 185 feet. Land-surface datum is 2,326.84 feet above msl. Highest water level 154.93 below lsd, Dec. 21, 1954; lowest 159.81 below lsd, Sept. 8, 1948. Records available: 1947-51, 1954. Dec. 21, 154.93.

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 201.47 below lsd, Apr. 14, 1954; lowest 204.64 below lsd, Sept. 13, 1949. Records available: 1947-54.

Daily lowest water level form recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	202.08	202.18	202.33	202.03	202.17	202.07	201.92	201.94	201.90	201.92	202.17	202.19
2	202.35	202.08	202.60	202.32	202.32	202.10	201.91	201.94	201.91	201.84	201.95	201.67
3	202.25	202.00	202.62	202.29	202.33	202.19	201.92	201.85	201.77	202.13	201.95	201.62
4	202.30	202.15	202.42	202.02	202.01	202.12	201.94	202.05	201.96	202.13	201.90	202.12
5	202.34	202.20	202.28	201.88	201.91	201.62	201.88	202.15	202.01	202.30	201.77	202.13
6	202.29	202.32	202.00	202.15	201.92	201.87	201.79	202.12	202.11	202.31	201.76	201.85
7	201.97	202.31	202.24	202.48	201.98	202.05	201.90	202.14	202.11	202.03	201.93	201.68
8	202.40	202.02	202.20	202.49	202.01	202.02	201.93	202.18	202.06	201.70	201.99	201.93
9	202.43	201.82	201.87	201.98	202.10	201.98	201.81	202.12	202.10	201.65	201.98	201.88
10	202.38	202.28	201.63	202.33	202.03	201.85	201.76	202.07	202.10	201.65	202.02	201.99
11	202.34	202.47	201.57	202.42	201.93	202.02	201.90	202.06	201.92	201.87	201.98	202.13
12	202.34	202.30	202.50	202.34	201.85	202.07	201.97	202.08	201.75	201.87	201.60	202.01
13	201.99	201.68	202.66	201.88	201.80	201.95	201.86	202.00	202.10	202.29	201.93	201.75
14	201.80	201.89	202.62	201.47	201.92	201.92	202.06	202.03	202.10	202.29	201.79	201.81
15	202.16	202.43	202.67	202.16	201.93	201.93	202.05	202.03	201.93	202.14	201.48	201.72
16	202.30	202.48	202.36	202.16	201.94	201.86	201.88	202.03	201.84	201.95	201.77	201.84
17	202.30	202.24	201.97	201.91	202.05	202.00	201.77	201.94	201.84	202.07	201.97	201.95
18	201.85	201.96	201.90	202.02	201.98	202.04	201.79	202.02	201.92	202.05	201.92	201.95
19	201.90	202.02	202.33	202.09	202.03	202.02	201.82	202.05	201.92	201.98	201.84	201.94
20	202.61	202.25	202.34	202.00	201.92	201.92	201.87	201.97	202.32	201.85	201.84	201.84
21	202.60	202.43	202.20	202.17	201.70	202.09	201.88	201.97	202.32	202.00	201.96	201.84
22	202.35	202.31	202.18	202.15	201.74	202.11	202.10	202.11	202.05	201.96	201.78	201.70
23	201.84	202.31	202.16	201.92	202.12	202.00	202.10	202.13	202.02	201.82	201.92	201.92
24	202.17	201.96	201.92	201.88	202.18	201.80	202.02	202.03	202.07	201.79	201.86	201.84
25	202.30	202.08	202.45	201.84	202.17	201.92	202.05	201.84	202.07	201.90	201.66	201.67

5-19-22da--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	202.32	202.03	202.45	201.93	201.70	201.95	202.06	201.87	201.90	202.06	201.65	201.89
27	202.39	202.40	202.18	202.00	201.80	201.90	201.98	202.10	201.90	201.99	201.80	202.10
28	202.22	202.36	202.18	201.85	201.97	201.96	201.91	202.16	201.65	201.94	202.13	202.12
29	202.43		202.18	201.95	202.03	202.07	201.92	202.17	201.86	201.87	202.07	201.80
30	202.49		202.31	202.07	201.77	202.07	202.05	202.12	202.12	201.88	202.33	201.65
31	202.28		202.32		202.10		202.09	202.02		202.03		201.60

5-20-16dc. Alvin Rademaker. Drilled unused water-table well in sand of Pleistocene age, diameter 5 inches, depth 45 feet. Land-surface datum is 2,270.56 feet above msl. Highest water level 36.41 below lsd, Dec. 26, 1954; lowest 39.95 below lsd, July 22, 1948. Records available: 1948-54. Dec. 21, 36.41.

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 71.66 below lsd, Dec. 21, 1954; lowest 90.08 below lsd, Aug. 6, 1947. Records available: 1947-52, 1954. Dec. 21, 71.66.

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 86.45 below lsd, Dec. 21, 1954; lowest 123.70 below lsd, Mar. 9, 1945. Records available: 1945-54. Dec. 21, 86.45.

6-19-21dc. Robert Bushnell. Drilled unused water-table well in sand of Pleistocene age, diameter 4 inches, depth 165 feet. Land-surface datum is 2,375.99 feet above msl. Highest water level 139.48 below lsd, Dec. 21, 1954; lowest 152.60 below lsd, Sept. 26, 1950. Records available: 1948-54. Dec. 21, 139.48.

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: 1948-54. Dec. 21, 67.09.

7-18-35ab. Alfred L. Anderson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 18 inches, depth 123 feet. Land-surface datum is 2,281.53 feet above msl. Highest water level 54.78 below lsd, Dec. 21, 1954; lowest 72.74 below lsd, May 12, 1948. Records available: 1948-54. Dec. 21, 54.78.

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 142.94 below lsd, Dec. 21, 1954; lowest 171.72 below lsd, Nov. 15, 1934. Records available: 1934-36, 1948-54. Dec. 21, 142.94.

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. No measurement made in 1954.

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: 1946-54. Feb. 26, 7.03; Apr. 14, 7.04; Sept. 16, 7.73; Nov. 24, 7.40.

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: 1949-54. May 11, 2.10; Nov. 24, 3.09.

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 35.92 below lsd, Dec. 21, 1954; lowest 51.70 below lsd, May 10, 1948. Records available: 1948-54. Dec. 21, 35.92.

8-20-8cd. Mrs. A. D. Matson. Drilled irrigation water-table well in sand of Pleistocene age, diameter 24 inches, depth 48 feet. Land-surface datum is 2,337.85 feet above msl. Highest water level 3.97 below lsd, Sept. 11, 1950; lowest 8.90 below lsd, Aug. 9, 1946. Records available: 1946-54. Feb. 26, 8.00; Apr. 27, 7.78; May 11, 7.67; Sept. 17, 6.98; Nov. 24, 7.82.

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, 1942-54. May 12, 9.06; Dec. 2, 10.55.

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, 1942-54. May 12, 5.55; Dec. 2, 6.66.

A18-1-28cd. Loup River Public Power District. Drilled observation water-table well in sand of Pleistocene age, diameter 2 inches, depth 99 feet. Land-surface datum is 1,511.8 feet above msl. Highest water level 60.30 below lsd, Mar. 27, Apr. 24, 1940; lowest 70.92 below lsd, Nov. 11, 1953. Records available: 1935-40, 1942-53. No measurement made in 1954.

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: 1946-54. May 12, 3.00; Dec. 2, 4.03.

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, 1944-54. May 12, 10.42; Dec. 2, 10.64.

17-1-2cc. Loup River Public Power District. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 22 feet. Land-surface datum is 1,468.4 feet above msl. Highest water level 6.80 below lsd, Apr. 13, 1942; lowest 13.29 below lsd, Oct. 8, 1936. Records available: 1935-40, 1942-52, 1954. May 12, 10.32; Dec. 2, 11.26.

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 10.10 below lsd, Dec. 2, 1954. Records available: 1945-54. May 12, 8.74; Dec. 2, 10.10.

17-2-2cd. Ernest Schacher. Driven observation water-table well in sand and gravel of Pleistocene age, diameter 3 inches, depth 44 feet. Land-surface datum is 1,480.34 feet above msl. Highest water level 4.58 below lsd, July 8, 1947; lowest 8.80 below lsd, Oct. 23, 1936. Records available: 1934-42, 1946-51, 1954. Dec. 2, 7.91.

17-2-6bd. Loup River Public Power District. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 23 feet. Highest water level 12.53 below lsd, June 6, 1949; lowest 14.53 below lsd, Aug. 8, 1949. Records available: 1948-52, 1954. May 12, 13.11; Dec. 2, 13.91.

17-3-23ad. Jack Horner. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 48 feet. Highest water level 12.17 below lsd, May 12, 1954; lowest 17.09 below lsd, Dec. 2, 1954. Records available: 1947-52, 1954. May 12, 12.17; Dec. 2, 17.09.

Polk County

13-4-27bb. Jerold Ruzicka. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 18 inches, depth 142 feet. Highest water level 60.77 below lsd, Mar. 15, 1950; lowest 71.70 below lsd, Dec. 2, 1954. Records available: 1949-50, 1952-54. May 27, 70.81; Dec. 2, 71.70.

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. 13, 1953. Records available: 1946-54. May 18, 4.56; May 27, 4.85; Dec. 2, 5.51.

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 8.65 below lsd, Nov. 13, 1953. Records available: 1946-54. May 27, 7.44; Dec. 2, 8.66.

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: 1946-54. May 27, 6.75; Dec. 2, 8.05.

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. Measurement discontinued.

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: 1946-54. May 27, 7.20; Dec. 2, 7.97.

Redwillow County

2-29-4ad. Rex S. Haberman. Drilled unused water-table well in sand of Pleistocene age, diameter 26 inches, depth 40 feet. Highest water level 27.58 below lsd, May 27-June 2, 1952; lowest 37.10 below lsd, July 11, 1953. Records available: 1950-54.

Daily lowest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Oct.
1	30.10	29.86	29.63	29.35	29.36	29.12	29.56	33.95	33.24
2	30.09	29.85	29.62	29.33	29.35	29.13	29.59	34.26	.....
3	30.08	29.84	29.62	29.31	29.34	29.14	29.63	34.40	.....
4	30.07	29.83	29.61	29.30	29.34	29.15	29.67	34.46	.....
5	30.07	29.82	29.60	29.29	29.34	29.15	29.90	34.68	.....
6	30.06	29.82	29.59	29.27	29.33	29.15	30.23	34.90	.....
7	30.05	29.81	29.58	29.26	29.33	29.16	30.74	35.08	.....
8	30.03	29.80	29.58	29.25	29.32	29.17	31.28	35.27	.....
9	30.03	29.79	29.57	29.25	29.31	29.17	31.57	35.43	.....
10	30.02	29.78	29.56	29.23	29.31	29.18	31.66	35.60	.....
11	30.02	29.77	29.54	29.23	29.30	29.20	31.88	35.77	.....
12	30.01	29.76	29.54	29.23	29.29	29.22	32.34	35.90	.....
13	30.00	29.76	29.53	29.22	29.27	29.23	32.78	35.90	.....
14	29.99	29.75	29.53	29.20	.....	29.24	33.18	35.86	.....
15	29.99	29.74	29.53	29.18	.....	29.25	33.55	35.83	.....
16	29.98	29.73	29.53	29.18	.....	29.25	33.57	35.77	.....
17	29.97	29.73	29.52	29.30	.....	29.26	33.62	35.67	.....
18	29.97	29.72	29.51	29.32	.....	29.27	33.75	35.39	.....
19	29.95	29.70	29.50	29.38	.....	29.28	34.07	35.02	.....
20	29.95	29.70	29.49	29.39	.....	29.29	34.36	34.67	.....
21	29.94	29.69	29.48	29.39	.....	29.30	34.41	34.37	.....
22	29.93	29.68	29.47	29.38	.....	29.30	34.40	34.15	.....
23	29.92	29.67	29.46	29.38	.....	29.32	34.29	34.00	.....
24	29.92	29.67	29.45	29.38	.....	29.33	34.08	34.01	.....
25	29.91	29.66	29.44	29.38	.....	29.34	33.87	34.01	.....
26	29.91	29.65	29.43	29.37	.....	29.38	33.67	33.92	.....
27	29.90	29.64	29.42	29.37	....	29.42	33.50	.....	.....
28	29.89	29.63	29.40	29.36	29.10	29.46	33.36	.....	.....
29	29.88		29.38	29.36	29.10	29.50	33.24	.....	.....
30	29.88		29.37	29.36	29.10	29.53	33.51	.....	.....
31	29.87		29.36		29.11		33.77	.....	.....

* No record for September, November, and December.

3-27-17cb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 16 feet. Land-surface datum is 2,366.88 feet above msl. Highest water level 8.27 below lsd, Oct. 10, 1951; lowest 11.56 below lsd, July 16, 1954. Records available: 1946-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	9.76	June 17	10.02	Sept. 17	10.83	Nov. 24	10.15
Mar. 22	9.81	July 16	11.56	Oct. 18	10.50	Dec. 17	10.05
May 17	9.79	Aug. 17	11.08				

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 9.23 below lsd, Sept. 12-13, 1954. Records available: 1950-54.

3-28-20bb2--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.17	7.85	7.62	7.49	7.68	7.99	8.60	8.94	9.09	9.10	8.73	8.51
2	8.16	7.84	7.63	7.53	7.68	8.02	8.63	8.94	9.10	9.08	8.72	8.50
3	8.15	7.82	7.63	7.53	7.67	8.04	8.62	8.95	9.13	9.08	8.70	8.50
4	8.14	7.81	7.59	7.48	7.66	8.00	8.59	8.98	9.14	9.07	8.70	8.49
5	8.13	7.79	7.58	7.48	7.66	7.91	8.56	9.00	9.15	9.06	8.68	8.48
6	8.11	7.78	7.57	7.50	7.69	7.86	8.57	9.00	9.17	9.05	8.67	8.47
7	8.10	7.77	7.60	7.56	7.70	7.87	8.58	8.95	9.18	9.03	8.66	8.45
8	8.08	7.75	7.60	7.56	7.71	7.85	8.58	9.00	9.18	9.00	8.65	8.44
9	8.08	7.73	7.57	7.50	7.68	7.86	8.58	9.01	9.19	8.98	8.65	8.43
10	8.07	7.73	7.55	7.56	7.65	7.92	8.57	9.03	9.20	8.97	8.64	8.42
11	8.06	7.74	7.54	7.57	7.63	7.98	8.59	9.02	9.21	8.96	8.63	8.41
12	8.05	7.71	7.64	7.53	7.64	8.00	8.62	8.99	9.23	8.95	8.63	8.40
13	8.03	7.68	7.66	7.50	7.69	8.01	8.65	8.95	9.23	8.94	8.62	8.39
14	8.02	7.68	7.63	7.51	7.73	8.00	8.67	8.95	9.22	8.93	8.62	8.38
15	8.02	7.71	7.61	7.59	7.77	7.97	8.69	8.95	9.18	8.92	8.62	8.38
16	8.01	7.70	7.58	7.58	7.75	8.04	8.71	8.95	9.13	8.91	8.61	8.35
17	8.01	7.67	7.53	7.57	7.72	8.06	8.73	8.94	9.11	8.90	8.61	....
18	8.00	7.64	7.57	7.62	7.70	8.09	8.75	8.93	9.09	8.89	8.60	....
19	7.98	7.68	7.59	7.62	7.71	8.12	8.77	8.92	9.09	8.88	8.60	....
20	8.00	7.66	7.58	7.65	7.72	8.16	8.80	8.94	9.08	8.86	8.60	....
21	7.99	7.67	7.55	7.63	7.73	8.20	8.82	8.97	9.08	8.85	8.59	....
22	7.96	7.65	7.53	7.63	7.80	8.24	8.81	8.98	9.08	8.85	8.58	....
23	7.94	7.64	7.53	7.58	7.84	8.28	8.79	8.97	9.09	8.84	8.58	....
24	7.94	7.61	7.50	7.66	7.86	8.35	8.80	8.94	9.09	8.83	8.57	....
25	7.92	7.63	7.58	7.66	7.81	8.40	8.83	8.93	9.09	8.82	8.57	....
26	7.92	7.63	7.57	7.75	7.78	8.45	8.85	8.95	9.09	8.80	8.55	....
27	7.91	7.65	7.53	7.73	7.85	8.50	8.86	8.99	9.10	8.80	8.55	....
28	7.89	7.63	7.53	7.74	7.89	8.53	8.87	9.01	9.10	8.78	8.53	....
29	7.89		7.52	7.73	7.90	8.55	8.88	9.04	9.10	8.77	8.53	....
30	7.89		7.52	7.73	7.94	8.58	8.91	9.06	9.10	8.76	8.52	....
31	7.87		7.52		7.98		8.93	9.07		8.75		....

3-29-32db. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 20 feet. Highest water level 4.54 below lsd, Aug. 13, 1950; lowest 9.54 below lsd, Aug. 13, 1954. Records available: 1940-44, 1946-54. Jan. 7, 6.70; Mar. 11, 6.62; June 17, 7.25; Aug. 13, 9.54; Sept. 30, 8.49.

3-30-29aa. U. S. Geol. Survey. Drilled observation water-table well in sand, diameter 1¼ inches, depth 12 feet. Land-surface datum is 2,512 feet above msl. Highest water level 1.81 below lsd, May 5, 1952; lowest 5.95 below lsd, Aug. 13, 1954. Records available: 1946-54. Jan. 8, 4.11; Mar. 15, 3.59; June 17, 4.33; Aug. 13, 5.95; Oct. 4, 5.87.

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: 1934-54. June 15, 1.54; Sept. 15, 3.43; Dec. 8, 3.00.

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, 1944-54. June 15, 0.28; Sept. 15, 2.30; Dec. 8, 1.73.

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: 1933-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	6.21	Apr. 25	6.02	July 25	6.89	Oct. 25	6.99
Feb. 25	5.72	May 25	5.64	Aug. 25	6.10	Nov. 25	6.71
Mar. 25	5.83	June 25	6.07	Sept. 25	7.04	Dec. 25	6.55

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 10.92 below lsd, July 26-27, 1954. Records available: 1950-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.16	8.11	8.68	8.77	9.04	8.89	9.65	10.72	9.84	9.95	9.25	9.29
2	8.07	8.06	8.68	8.81	8.91	8.47	9.66	10.74	9.89	9.94	9.31	9.26
3	8.05	8.01	8.80	8.82	8.63	8.49	9.68	10.76	9.91	9.93	9.34	9.32
4	8.12	7.96	9.16	8.78	8.01	8.17	9.67	10.79	9.94	9.88	9.36	9.32
5	8.06	7.87	9.42	8.74	7.93	8.22	9.80	10.76	10.02	9.79	9.36	9.32
6	7.98	7.63	9.42	8.77	7.99	8.38	9.83	10.67	10.05	9.71	9.34	9.22
7	8.01	7.54	9.42	8.82	8.10	8.45	9.91	10.58	10.06	9.73	9.31	9.17
8	8.05	7.38	9.43	8.89	8.22	8.73	10.06	10.47	10.06	9.73	9.30	9.23
9	8.07	7.36	9.06	8.95	8.32	8.94	10.12	10.33	10.07	9.68	9.28	9.23
10	....	7.35	8.66	8.98	8.37	9.13	10.20	9.89	10.08	9.58	9.27	9.18
11	....	7.26	8.67	9.00	8.46	9.25	10.24	9.78	9.96	9.55	9.29	9.19
12	....	....	8.75	9.00	8.52	9.24	10.29	9.77	9.94	9.54	9.26	9.20
13	....	7.95	8.84	9.06	8.55	9.22	10.33	9.84	9.94	9.53	9.25	9.20
14	8.83	8.13	9.03	9.09	8.64	9.42	10.38	9.87	9.84	9.52	9.25	9.22
15	8.88	8.36	9.11	9.12	8.71	9.48	10.47	9.88	9.87	9.54	9.26	9.24
16	8.96	8.40	9.10	9.16	8.76	9.51	10.60	9.90	9.87	9.58	9.26	9.26
17	....	8.40	9.10	9.18	8.81	9.43	10.72	9.85	9.90	9.62	9.27	9.27
18	....	8.39	8.98	9.13	8.91	9.05	10.72	9.94	9.93	9.64	9.26	9.28
19	....	8.49	8.97	9.04	8.92	9.09	10.78	9.87	9.87	9.62	9.26	9.28
20	....	8.49	8.65	9.04	8.82	7.99	10.78	9.69	9.85	9.60	9.27	9.28
21	8.30	8.62	8.71	9.06	8.85	8.12	10.86	9.71	9.95	9.55	9.28	9.23
22	....	8.72	8.73	8.71	8.91	7.28	10.88	9.58	9.99	9.50	9.26	....
23	....	8.72	8.71	8.66	8.95	7.67	10.88	9.55	10.04	9.55	9.25	9.09
24	....	8.68	8.71	8.66	8.91	8.24	10.89	9.51	10.06	9.52	9.27	9.06
25	....	8.51	8.71	8.52	8.89	8.54	10.91	9.63	10.04	9.55	9.28	8.98
26	....	8.53	8.70	8.69	8.95	8.76	10.92	9.71	10.04	9.55	9.28	8.98
27	....	8.61	8.71	8.94	8.97	9.04	10.92	9.69	10.09	9.50	9.28	8.98
28	8.22	8.67	8.65	9.02	8.89	9.08	10.85	9.64	10.05	9.50	9.29	9.05
29	8.21		8.65	9.08	8.76	9.29	10.82	9.72	10.05	9.44	9.29	9.30
30	8.19		8.73	9.10	8.82	9.49	10.82	9.74	9.95	9.30	9.25	9.43
31	8.16		8.77		8.89		10.74	9.76		9.23		9.43

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: 1950-54. May 25, 5.36; Dec. 14, 5.89; Dec. 30, 5.89.

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, 1953-54. Oct. 26, 9.27.

22-56-4dd. U. S. Geol. Survey. Drilled observation water-table well in reworked Brule formation, diameter 1 inch, depth 20 feet. Highest water level 2.01 below lsd, Sept. 20, 1953; lowest 8.45 below lsd, Apr. 7, 1937. Records available: 1936-37, 1939-42, 1944-45, 1953-54. Oct. 26, 3.96.

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 36.84 below lsd, Oct. 26, 1954. Records available: 1948-54. Oct. 26, 36.84.

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, 1953-54. Oct. 26, 9.61.

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: 1948-54. Oct. 26, 22.50.

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: 1948-54. Dec. 14, 77.20.

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, 1944-54. June 19, 7.32; Sept. 20, 8.03.

24-42-27ba. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 18 feet. Highest water level 12.19 below lsd, Apr. 4, 1946; lowest 13.45 below lsd, Apr. 17, 1951. Records available: 1946-54. June 19, 12.73; Sept. 20, 12.89.

24-43-15da. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ 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, 1944-54. June 19, 6.36; Sept. 20, 6.64.

24-44-14da. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 11 feet. Highest water level 3.71 below lsd, Sept. 5, 1951; lowest 6.18 below lsd, Aug. 15, 1946. Records available: 1946-54. June 19, 3.81; Sept. 20, 5.65.

24-44-18bb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 3.80 below lsd, May 11, 1949; lowest 5.97 below lsd, Sept. 20, 1954. Records available: 1946-54. June 19, 4.84; Sept. 20, 5.97.

24-46-10cb. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Highest water level 2.26 below lsd, Apr. 4, 1946; lowest 7.35 below lsd, Aug. 15, 1946. Records available: 1946-54. June 19, 6.04; Sept. 20, 7.01.

25-45-32ad. J. Herrian. Drilled unused water-table well in sand of Pleistocene age, diameter 4 inches, depth 106 feet. Highest water level 31.50 below lsd, July 15-16, 1949; lowest 34.10 below lsd, Sept. 20, 1954. Records available: 1946-54. June 19, 32.79; Sept. 20, 34.10.

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: 1950-54. June 18, 57.41; Sept. 18, 57.32.

29-46-10aa. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 100 feet. Highest water level 37.84 below lsd, Oct. 10, 23, Nov. 12, 15, 1954; lowest 38.95 below lsd, May 29, 1954. Records available: 1953-54.

Daily lowest water level from recorder graph, 1953

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 30	38.66	Oct. 17	38.58	Nov. 3	38.57	Nov. 20	38.44
Oct. 1	38.65	16	38.57	4	38.56	21	38.46
2	38.73	19	38.58	5	38.52	22	38.42
3	38.74	20	38.57	6	38.51	23	38.48
4	38.71	21	38.63	7	38.60	24	38.53
5	38.68	22	38.65	8	38.60	25	38.54
6	38.67	23	38.63	9	38.53	26	38.52
7	38.63	24	38.53	10	38.52	27	38.53
8	38.65	25	38.61	11	38.51	28	38.53
9	38.62	26	38.60	12	38.50	29	38.52
10	38.60	27	38.56	13	38.48	30	38.51
11	38.60	28	38.57	14	38.47	Dec. 1	38.46
12	38.59	29	38.52	15	38.46	2	38.46
13	38.60	30	38.55	16	38.46	3	38.40
14	38.62	31	38.54	17	38.45	4	38.43
15	38.60	Nov. 1	38.55	18	38.52	5	38.48
16	38.57	2	38.59	19	38.53	6	38.45

29-46-10aa--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 7	38.45	Dec. 14	38.52	Dec. 20	38.43	Dec. 26	38.47
8	38.51	15	38.53	21	38.57	27	38.47
9	38.46	16	38.55	22	38.59	28	38.43
10	38.52	17	38.52	23	38.50	29	38.49
11	38.53	18	38.45	24	38.51	30	38.52
12	38.50	19	38.43	25	38.50	31	38.46
13	38.54						

Daily lowest water level from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	38.44	38.58	38.65	.....	38.79	.....	.....	38.55	38.20	37.92	37.92	38.00
2	38.49	38.53	38.68	.....	38.79	.....	.....	38.55	38.13	37.88	37.87	37.92
3	38.51	38.55	38.66	.....	38.73	.....	.....	38.51	38.08	37.93	37.88	37.89
4	38.51	38.55	38.64	.....	38.78	.....	.....	38.54	38.08	37.97	37.88	37.98
5	38.52	38.60	38.62	.....	38.78	.....	.....	38.55	38.09	37.97	37.85	37.98
6	38.48	38.60	38.58	.....	38.72	.....	.....	38.53	38.08	37.98	37.84	37.92
7	38.42	38.57	38.66	.....	38.77	.....	.....	38.51	38.05	37.89	37.86	37.89
8	38.52	38.54	38.57	.....	38.73	.....	.....	38.53	38.04	37.87	37.88	37.92
9	38.53	38.48	38.56	.....	38.77	.....	.....	38.48	38.10	37.93	37.88	37.93
10	38.50	38.59	38.51	.....	38.78	.....	.....	38.45	38.02	37.84	37.92	37.95
11	38.55	38.60	38.51	.....	38.81	.....	.....	38.45	37.97	37.86	37.94	38.00
12	38.52	38.46	38.87	.....	38.85	.....	.....	38.43	37.95	37.88	37.84	37.98
13	38.41	38.46	38.67	.....	38.87	.....	.....	38.40	37.99	37.95	37.94	37.91
14	38.50	38.53	38.70	.....	38.85	.....	.....	38.41	37.98	37.97	37.90	37.93
15	38.52	38.58	38.72	.....	38.79	.....	.....	38.38	37.92	37.93	37.84	37.91
16	38.52	38.59	38.60	.....	38.82	.....	.....	38.41	37.96	37.90	37.90	37.97
17	38.45	38.56	38.55	.....	38.83	.....	38.86	38.42	37.92	37.88	37.97	37.98
18	38.48	38.59	38.65	.....	38.83	38.95	38.85	38.39	37.96	37.90	37.97	37.97
19	38.55	38.62	38.66	.....	38.85	38.88	38.84	38.35	37.95	37.88	37.97	37.99
20	38.59	38.60	38.63	.....	38.85	.....	38.82	38.37	38.00	37.87	37.95	37.95
21	38.53	38.60	38.66	.....	38.85	.....	38.79	38.35	38.00	37.87	37.97	37.94
22	38.45	38.62	38.68	.....	38.85	.....	38.82	38.35	37.92	37.86	37.96	37.95
23	38.50	38.60	38.61	.....	38.82	.....	38.78	38.38	37.95	37.84	38.00	37.97
24	38.49	38.57	.....	.....	38.85	.....	38.72	38.30	37.97	37.87	37.99	37.87
25	38.55	38.57	.....	38.78	38.88	.....	38.70	38.27	37.95	37.86	37.92	37.91
26	38.55	38.58	.....	38.79	38.88	.....	38.69	38.26	37.90	37.90	37.94	37.98
27	38.59	38.62	.....	38.75	38.90	.....	38.69	38.28	37.87	37.88	37.91	38.00
28	38.50	38.55	.....	38.70	38.90	.....	38.65	38.30	37.95	37.88	37.96	37.95
29	38.60		.....	38.75	38.95	.....	38.61	38.28	37.96	37.88	37.99	37.88
30	38.58		.....	38.73	.....	.....	38.62	38.25	37.96	37.87	38.02	37.89
31	38.51		.....		.....		38.62	38.19		37.85		37.88

29-46-24ad1. Kenneth Pyle. Drilled unused water-table well in sandstone of Marsland formation, diameter 6 inches, depth 95 feet. Highest water level 61.81 below lsd, Sept. 18, 1954; lowest 64.46 below lsd, July 19, 1950. Records available: 1950-52, 1954. June 18, 63.28; Sept. 18, 61.81.

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, 1951-54. June 18, 1.81; Sept. 18, 3.35.

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, 1951-54. June 18, 2.11; Sept. 18, 3.09.

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 1954.

Sherman County

13-13-4dc. Thomas. Drilled stock water-table well in sand of Pleistocene age, diameter 4 inches, depth 190 feet. Land-surface datum is 2,083.92 feet above msl. Highest water level 120.51 below lsd, Feb. 12, 1952; lowest 122.24 below lsd, Mar. 24, 1954. Records available: 1949-54. Mar. 24, 122.24; Aug. 11, 121.63.

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: 1948-54. Mar. 24, 8.51.

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 1954.

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 41.42 below lsd, Dec. 3, 1954. Records available: 1950-54. Mar. 24, 40.39; Dec. 3, 41.42.

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: 1949-54. Mar. 24, 21.19; Aug. 11, 21.09.

Sioux County

24-57-35cb. R. J. Lenhart. Drilled irrigation water-table well in alluvium of Quaternary age, diameter 24 inches, depth 87 feet. Land-surface datum is 4,089.7 feet above msl. Highest water level 4.84 below lsd, Aug. 31, 1949; lowest 9.83 below lsd, Apr. 16, 1951. Records available: 1948-53. No measurement made in 1954.

Stanton County

A22-2-8dd. Carroll. Drilled irrigation water-table well in sand of Pleistocene age, diameter 16 inches, depth 72 feet. Highest water level 32.18 below lsd, Nov. 7, 1951; lowest 38.34 below lsd, Dec. 16, 1954. Records available: 1950-54. Dec. 16, 38.34.

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: 1950-54. Dec. 16, 15.11.

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, 1950-54. Dec. 16, 4.68.

Thayer County

4-1-9bac. State of Nebraska. Drilled observation water-table well in sand of Pleistocene age, diameter 8 inches, depth 95 feet. Highest water level 87.82 below lsd, Sept. 28, 1953; lowest 90.01 below lsd, June 25, 1953. Records available: 1953-54.

Daily lowest water level from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	88.02	88.02	87.97	87.99	87.89	87.88	87.88	.....	.....
2	.....	.....	.....	88.04	88.02	88.00	87.99	87.91	87.93	87.87	.....	.....
3	.....	.....	.....	88.02	88.04	87.98	87.92	87.91	87.94	87.96	.....	.....
4	.....	.....	.....	87.99	88.04	87.98	87.95	87.93	87.92	87.93	.....	.....
5	88.10	.....	88.10	87.98	88.01	87.99	87.99	87.92	87.89	87.92	.....	.....
6	.....	.....	88.18	87.95	87.98	87.96	87.97	87.92	87.92	87.93	.....	.....
7	88.12	.....	88.09	87.98	87.99	87.92	87.96	87.93	87.92	87.89	.....	.....
8	88.04	.....	88.12	88.00	87.97	87.99	87.98	87.91	87.88	87.89	.....	.....
9	.....	.....	88.03	88.04	87.94	87.96	87.96	87.87	87.89	87.89	.....	.....
10	.....	.....	88.03	88.03	89.01	87.99	87.94	87.94	87.89	87.87	.....	.....
11	.....	.....	88.04	88.00	88.03	87.96	87.94	87.93	87.91	87.89	.....	.....
12	.....	.....	88.08	88.00	88.04	87.98	87.91	87.94	87.90	87.91	.....	.....
13	.....	.....	88.01	87.96	88.02	87.90	87.94	87.89	87.88	.....	.....	.....
14	.....	88.09	88.07	87.95	87.96	87.92	87.91	87.90	87.89	.....	.....	.....
15	.....	88.06	88.12	88.08	87.96	87.99	87.92	87.94	87.90	.....	.....	.....
16	.....	88.12	88.06	88.01	87.95	87.99	87.93	87.91	87.86	.....	.....	.....
17	.....	88.08	88.02	88.02	87.96	87.91	87.91	87.91	87.94	.....	.....	.....
18	.....	88.06	88.10	88.03	87.97	87.89	87.90	87.90	87.94	.....	.....	.....
19	.....	88.06	88.05	88.02	87.93	87.95	87.92	87.90	87.87	.....	.....	.....
20	.....	.....	87.95	88.01	88.01	88.02	87.89	87.88	87.98	.....	.....	.....
21	.....	88.11	88.16	87.92	88.03	88.00	87.95	87.89	87.96	.....	.....	.....
22	.....	88.10	88.06	87.99	88.03	87.99	87.95	87.88	87.90	.....	.....	.....
23	.....	88.11	88.07	87.98	87.98	87.90	87.94	87.88	87.89	.....	.....	.....
24	.....	88.08	88.08	87.96	87.92	88.02	87.91	87.88	87.92	.....	.....	.....
25	.....	88.06	88.05	88.03	88.00	90.01	87.93	87.89	87.92	.....	.....	.....

4-1-9bac--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	.....	88.07	88.03	88.00	88.00	87.97	87.94	87.87	87.89	.....	.....	.....
27	.....	88.12	88.04	87.95	88.09	88.00	87.94	87.87	87.87	.....	.....	.....
28	.....	88.06	88.01	87.95	87.93	88.02	87.90	87.87	87.83	.....	.....	.....
29	.....		87.93	87.91	87.92	87.93	87.92	87.87	87.98	.....	.....	.....
30	.....		88.01	88.01	87.95	87.93	87.91	87.89	87.96	.....	.....	.....
31	.....		88.01		87.96		87.89	87.88		.....		.....

Daily lowest water level from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	87.97	87.95	87.91	88.00	87.94	.....	88.12	88.18
2	.....	.....	.....	.....	88.02	87.97	87.92	87.93	87.94	.....	88.09	88.06
3	.....	.....	.....	.....	87.97	87.97	87.92	87.95	87.95	.....	88.08	88.04
4	.....	.....	.....	.....	87.91	87.91	87.92	87.95	87.97	.....	88.09	88.15
5	.....	.....	.....	.....	87.91	87.85	87.91	87.96	87.97	.....	88.04	88.18
6	.....	.....	.....	.....	87.96	87.85	87.91	87.94	87.97	.....	88.06	88.08
7	.....	.....	.....	.....	87.94	87.98	87.92	87.95	87.97	.....	88.06	88.00
8	87.87	.....	.....	.....	87.93	87.92	87.93	88.02	87.94	88.01	88.08	88.09
9	87.90	.....	.....	.....	87.95	87.90	87.91	87.97	87.99	87.99	88.08	88.10
10	87.98	.....	.....	.....	87.91	87.91	87.90	87.97	87.99	88.01	88.07	88.05
11	87.99	.....	.....	.....	87.91	87.94	87.91	87.96	87.95	88.04	88.10	88.14
12	87.96	.....	.....	.....	87.90	87.91	87.91	87.97	87.93	88.10	88.04	88.13
13	87.86	.....	.....	.....	87.90	87.89	87.91	87.97	87.93	88.06	88.04	88.04
14	87.85	.....	.....	.....	87.90	87.93	87.92	87.97	88.00	88.11	88.10	88.08
15	87.99	.....	.....	.....	87.93	87.88	87.93	88.00	87.96	88.07	88.01	88.05
16	87.93	.....	.....	.....	87.92	87.91	87.90	87.99	87.94	88.06	88.01	88.09
17	87.88	.....	.....	.....	87.93	87.95	.....	88.00	87.94	88.08	88.08	88.09
18	87.95	.....	.....	.....	87.90	87.93	.....	87.99	87.95	88.10	88.08	88.09
19	87.97	.....	.....	.....	87.92	87.90	.....	87.96	87.94	88.07	88.05	88.09
20	88.03	.....	.....	.....	87.90	87.93	.....	87.96	88.02	88.06	88.04	88.09
21	87.97	.....	.....	87.94	87.87	87.95	87.95	87.96	88.01	88.09	88.09	88.09
22	.....	.....	.....	87.94	87.91	87.92	87.99	87.98	87.95	88.09	88.08	88.14
23	.....	.....	.....	87.88	87.94	87.86	87.97	87.99	87.93	88.05	88.08	88.14
24	.....	.....	.....	87.90	87.93	87.88	87.97	87.96	87.97	88.05	88.07	88.06
25	.....	.....	.....	87.88	87.89	87.90	87.98	87.93	87.97	88.06	88.06	88.07
26	.....	.....	.....	87.96	87.86	87.93	87.97	87.96	87.94	88.09	88 02	88.10
27	.....	.....	.....	87.92	87.93	87.90	87.95	87.96	87.91	88.08	88.02	88.11
28	.....	.....	.....	87.87	87.95	87.89	87.94	87.99	87.92	88.09	88.10	88.13
29	.....		.....	87.94	87.94	87.94	87.95	87.99	87.93	88.08	88.12	88.05
30	.....		.....	87.96	87.87	87.92	87.97	87.99	.....	88.08	88.13	88.09
31	.....		.....		87.96		88.00	87.96		88.08		88.03

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, 1944-54. June 19, 2.59; Sept. 20, 2.67.

Valley County

17-16-26dc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 12 inches, depth 11 feet. Land-surface datum is 2,152.398 feet above msl. Highest water level 2.70 below lsd, Apr. 1, 1949; lowest 6.83 below lsd, Dec. 26, 1946. Records available: 1943-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	4.84	4.49	4.56	4.25	....	6.21	6.46	5.38	5.84	4.88	5.07
2	....	4.69	4.61	4.64	3.23	5.13	6.23	6.30	5.43	5.81	4.92	5.07
3	....	4.56	4.65	4.65	3.34	5.03	....	6.24	5.47	5.76	4.94	5.07
4	....	4.50	4.70	4.65	3.43	5.00	....	6.21	5.53	5.74	4.91	5.07
5	....	4.45	4.70	4.68	3.74	5.07	....	6.19	5.57	5.73	4.91	5.03
6	....	4.43	4.68	4.72	4.01	5.20	....	6.18	5.60	5.69	4.91	5.02
7	....	4.42	4.62	4.75	4.22	5.31	....	6.68	5.63	5.66	4.91	5.02
8	....	4.39	4.50	4.81	4.35	5.40	....	6.26	5.65	5.48	4.93	5.00
9	....	4.38	4.50	4.84	4.44	5.46	....	5.12	5.54	5.35	4.94	4.98
10	....	4.37	4.44	4.84	4.49	5.54	....	5.07	5.42	5.30	4.94	5.00

17-16-26dc--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	....	4.40	4.45	4.92	4.55	5.60	....	5.11	5.44	5.21	4.94	5.04
12	....	4.40	4.45	4.94	4.61	5.65	....	5.14	5.51	....	4.94	5.08
13	....	4.37	4.46	4.95	4.69	5.71	....	5.17	5.58	....	4.95	5.13
14	5.04	4.37	4.54	4.97	4.77	5.75	6.48	5.20	5.64	....	4.96	5.14
15	5.07	4.39	4.61	4.96	4.80	5.78	6.51	5.23	5.67	....	4.96	5.12
16	5.13	4.41	4.64	4.62	4.36	5.79	6.52	....	5.66	....	4.96	5.10
17	5.18	4.40	4.41	4.68	4.44	5.78	6.54	....	5.62	....	4.97	5.09
18	5.23	4.37	4.39	4.75	4.53	5.67	6.55	....	5.63	....	4.99	5.08
19	5.26	4.36	4.21	4.78	4.65	5.68	6.57	....	5.66	5.39	5.02	5.04
20	5.30	4.36	4.28	4.77	4.75	5.73	6.58	....	5.69	5.39	....	5.02
21	5.34	4.33	4.35	4.73	4.81	5.78	6.59	....	5.72	5.39	....	5.00
22	5.36	4.22	4.43	4.78	4.89	5.83	6.60	....	5.76	5.38	....	4.99
23	5.36	4.16	4.46	4.81	4.86	5.87	6.55	....	5.79	5.38	....	4.97
24	5.31	4.19	4.44	4.84	....	5.92	6.48	4.77	5.81	5.38	....	4.95
25	5.30	4.23	4.23	4.88	....	5.97	6.44	4.85	5.83	5.38	....	4.95
26	5.34	4.24	4.31	4.93	....	6.02	6.42	4.93	5.84	5.24	....	4.95
27	5.34	4.32	4.37	4.97	....	6.06	6.41	5.03	5.86	4.92	....	4.94
28	5.29	4.35	4.47	5.00	....	6.11	6.41	5.13	5.86	4.81	....	4.97
29	5.28		4.51	4.97	....	6.15	6.42	5.20	5.85	4.82	....	5.04
30	5.07		4.52	4.53	....	6.17	6.44	5.26	5.84	4.84	5.07	5.06
31	4.96		4.53		....		6.46	5.32		4.85		....

18-13-23dd. W. T. Hutchins. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 83 feet. Highest water level 8.70 below lsd, Aug. 3, 1949; lowest 23.37 below lsd, Oct. 12, 1937. Records available: 1934-42, 1948-52, 1954. Apr. 5, 12.51; Aug. 13, 10.02.

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: 1949-54. Mar. 24, 5.03; Aug. 12, 4.29.

19-13-28bb. Wm. Peterson. Drilled irrigation water-table well in sand and sandstone of Tertiary age, diameter 18 inches, depth 98 feet. Highest water level 12.29 below lsd, Apr. 29, 1949; lowest 14.79 below lsd, Aug. 13, 1954. Records available: 1948-54. Mar. 23, 14.21; Aug. 13, 14.79.

19-14-6dc. Chas. Verzal. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diameter 24 inches, depth 97 feet. Highest water level 27.21 below lsd, Sept. 20, 1949; lowest 37.90 below lsd, Aug. 10, 1934. Records available: 1934-42, 1948-51, 1954. Mar. 23, 27.75.

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 1954.

Webster County

1-9-9cc. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 13 feet. Highest water level 3.17 below lsd, June 20, 1949; lowest 8.54 below lsd, Feb. 4, 1949. Records available: 1947-54. Jan. 19, 7.74; Mar. 30, 7.90; May 19, 6.57; July 20, 4.73; Aug. 18, 4.47; Sept. 13, 5.07; Dec. 13, 7.84.

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: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	e7.99	8.15	8.12	8.14	8.12	6.82	6.95	8.00	8.61	8.99	9.26	9.34
2	e7.99	8.16	8.10	8.14	8.12	6.79	6.98	8.03	8.63	9.00	9.27	9.35
3	e7.99	8.16	8.10	8.14	8.12	6.74	7.01	8.07	8.64	9.01	9.27	9.35
4	e8.00	8.17	8.10	8.15	8.10	6.71	7.04	8.10	8.66	9.02	9.28	9.35
5	e8.00	8.17	8.09	8.15	8.06	6.67	7.07	8.14	8.68	9.03	9.28	9.35

1-11-11ab--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	e8.00	8.17	8.09	8.15	8.03	6.65	7.10	8.17	8.69	9.04	9.28	9.35
7	e8.00	8.18	8.08	8.16	8.00	6.63	7.13	8.20	8.71	9.05	9.29	9.35
8	e8.00	8.18	8.07	8.16	7.96	6.63	7.17	8.22	8.73	9.06	9.29	9.35
9	e8.00	8.18	8.07	8.16	7.93	6.64	7.20	8.23	8.75	9.07	9.30	9.36
10	e8.00	8.18	8.07	8.16	7.92	6.65	7.24	8.24	8.76	9.08	9.30	9.36
11	e8.00	8.19	8.06	8.16	7.90	6.65	7.27	8.25	8.78	9.10	9.30	9.36
12	e8.01	8.19	8.05	8.16	7.88	6.67	7.31	8.26	8.79	9.10	9.30	9.37
13	e8.01	8.19	8.05	9.16	7.87	6.69	7.34	8.28	8.80	9.11	9.30	9.37
14	e8.01	8.19	8.05	8.16	7.86	6.70	7.38	8.30	8.81	9.12	9.30	9.37
15	e8.01	8.18	8.06	8.16	7.86	6.72	7.41	8.32	8.82	9.13	9.30	9.38
16	8.02	8.19	8.07	8.16	7.85	6.73	7.45	8.34	8.83	9.15	9.31	9.38
17	8.03	8.20	8.08	8.16	7.84	6.73	7.48	8.35	8.85	9.15	9.31	9.38
18	8.04	8.20	8.08	8.16	7.84	6.74	7.51	8.37	8.86	9.16	9.31	9.38
19	8.04	8.20	8.08	8.16	7.83	6.74	7.54	8.39	8.87	9.17	9.32	9.38
20	8.06	8.19	8.08	8.16	7.81	6.75	7.57	8.40	8.88	9.18	9.32	9.38
21	8.07	8.20	8.09	8.16	7.80	6.77	7.60	8.43	8.90	9.19	9.32	9.39
22	8.08	8.20	8.10	8.16	7.78	6.78	7.65	8.45	8.91	9.20	9.33	9.39
23	8.08	8.20	8.11	8.16	7.76	6.80	7.67	8.47	8.92	9.21	9.33	9.39
24	8.08	8.20	8.11	8.16	7.69	6.82	7.70	8.48	8.93	9.21	9.33	9.40
25	8.09	8.18	8.12	8.16	7.50	6.83	7.75	8.50	8.94	9.22	9.33	9.40
26	8.10	8.16	8.12	8.15	7.30	6.85	7.78	8.52	8.95	9.23	9.33	9.40
27	8.11	8.14	8.12	8.15	7.13	6.87	7.80	8.53	8.96	9.24	9.33	9.40
28	8.12	8.13	8.12	8.14	7.03	6.89	7.84	8.55	8.97	9.24	9.34	9.40
29	8.13		8.12	8.13	6.93	6.90	7.89	8.57	8.97	9.25	9.34	9.40
30	8.14		8.13	8.13	6.88	6.93	7.93	8.58	8.98	9.25	9.34	9.40
31	8.15		8.13		6.84		7.97	8.59		9.25		9.40

e Estimated.

1-12-2bb. U. S. Geol. Survey. Drilled observation water-table well in black soil, diameter 1¼ 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: 1946-54. Jan. 21, 5.06; Mar. 26, 4.92; June 8, 3.72; July 29, 5.84; Sept. 29, 6.78.

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, 1946-54. Jan. 21, 26.62; Sept. 13, 27.21.

Wheeler County

23-11-12bb. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 16 feet. Highest water level 0.91 below lsd, June 4, 1954; lowest 5.57 below lsd, Oct. 12, 1937. Records available: 1935-42, 1954. June 4, 0.91; Dec. 8, 4.60.

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: 1948-54. Dec. 14, 104.63.

11-3-36ab. Mothers' Jewels 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: 1948-54. Dec. 14, 66.35.

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: 1948-54. Dec. 14, 66.89.

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 73.09 below lsd, Dec. 14, 1954. Records available: 1948-54. Dec. 14, 73.09.

NORTH DAKOTA

By John E. Powell

Scope of Water-Level Program

The observation-well program in North Dakota was continued in 1954 in cooperation with the State Water Conservation Commission and the State Geological Survey. At the end of 1954, water levels were being measured in 81 observation wells, 2 of which were equipped with recording gages. Water levels were measured once a week in 20 wells by local observers. Figures 33-36 show the location of observation wells. Field work in connection with the investigation of ground-water conditions in the vicinities of the towns of Hunter, Westhope, and Hettinger was carried on. A test-drilling program for the purpose of considering the feasibility of ground-water irrigation was begun in the outwash area near Steele. Reports on ground-water conditions in the vicinities of the towns of Stanley and Upham were completed.

Precipitation

The precipitation for the State as a whole was 18.60, or 1.47 inches above normal. In general, precipitation was below normal in the eastern part and above normal in the western and central parts. The greatest positive departures from normal occurred in the central part of the State. Departures at individual stations ranged from 6.04 inches below normal to 11.82 inches above normal. For the State as a whole, precipitation was below average during all months except January, March, June, August, and September.

Interpretation of Water-Level Fluctuations

The average change in ground-water levels followed the same general pattern of previous years. The magnitude of fluctuation of ground-water levels, however, was much less than in previous years. The high average water level for the period January through March was probably due to the fact that mild weather during the early winter months permitted recharge which does not ordinarily occur. The water levels rose during the period April through June, but the magnitude of the rise was much less than in previous years. After the spring rise, the water levels declined in July, remained fairly constant through October, and declined slightly in November and December. The average monthly water levels from 1937 through 1954 in selected observation wells are given in the following table. Figure 37 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, 1937-54

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1937	.....	.....	.....	.....	.....	.....	.....	.....	100.31	100.19	100.13	100.05
1938	99.97	99.93	100.12	100.41	100.68	100.35	99.99	99.61	99.59	99.44	99.51	99.54
1939	99.49	99.38	99.38	99.95	99.98	100.07	99.89	99.62	99.41	99.37	99.34	99.31
1940	99.24	99.14	99.13	99.16	99.43	99.52	99.34	99.24	99.07	98.96	98.95	98.92
1941	98.84	98.74	98.83	99.76	99.97	100.43	100.39	99.89	100.16	100.73	100.64	100.26
1942	100.68	100.41	100.43	101.40	101.45	101.67	101.42	101.48	101.48	101.35	100.98	100.73
1943	100.51	100.44	100.40	101.30	102.09	102.73	102.68	102.19	101.91	101.50	101.37	101.26
1944	100.40	100.24	100.02	100.22	101.52	101.15	101.28	101.37	101.67	101.36	101.55	101.59
1945	101.04	100.96	101.06	101.49	101.74	101.71	101.27	100.95	100.71	100.71	100.70	100.54
1946	100.01	100.24	100.18	100.18	191.55	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
1954	102.38	102.33	102.38	102.85	103.05	103.29	102.72	102.74	102.66	102.77	102.56	102.24

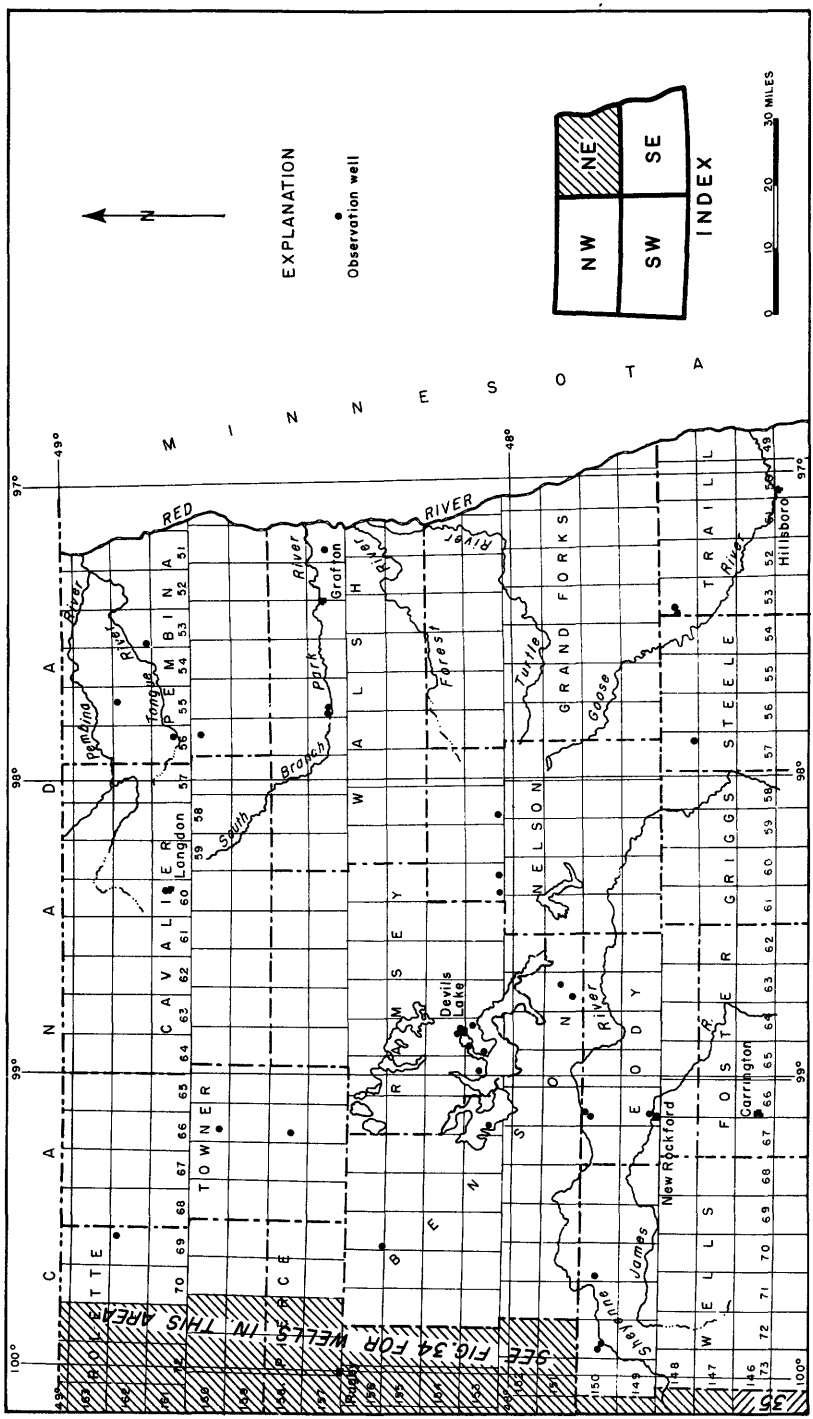


Figure 33.--Location of observation wells in northeastern North Dakota, 1954.

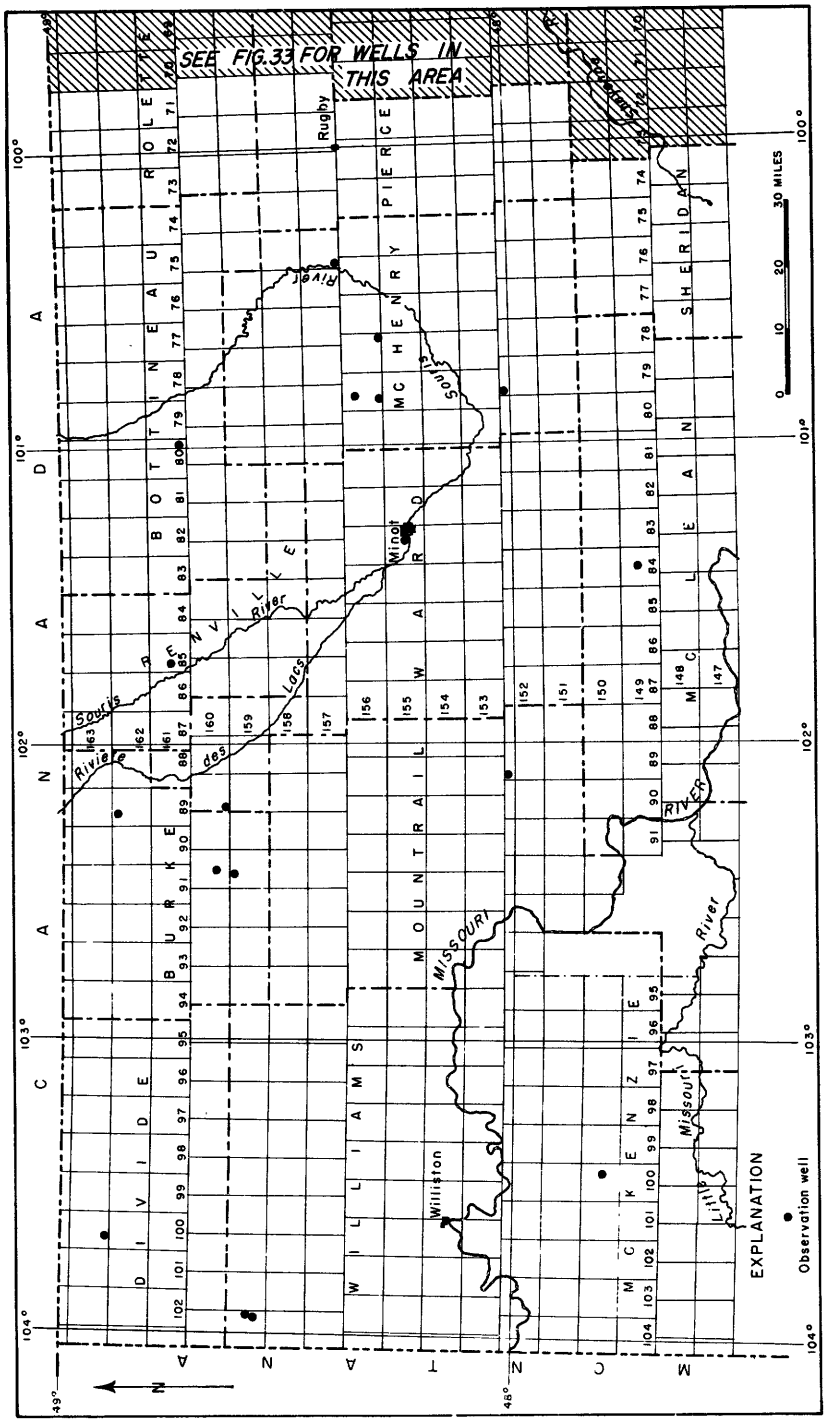


Figure 34.--Location of observation wells in northwestern North Dakota, 1954.

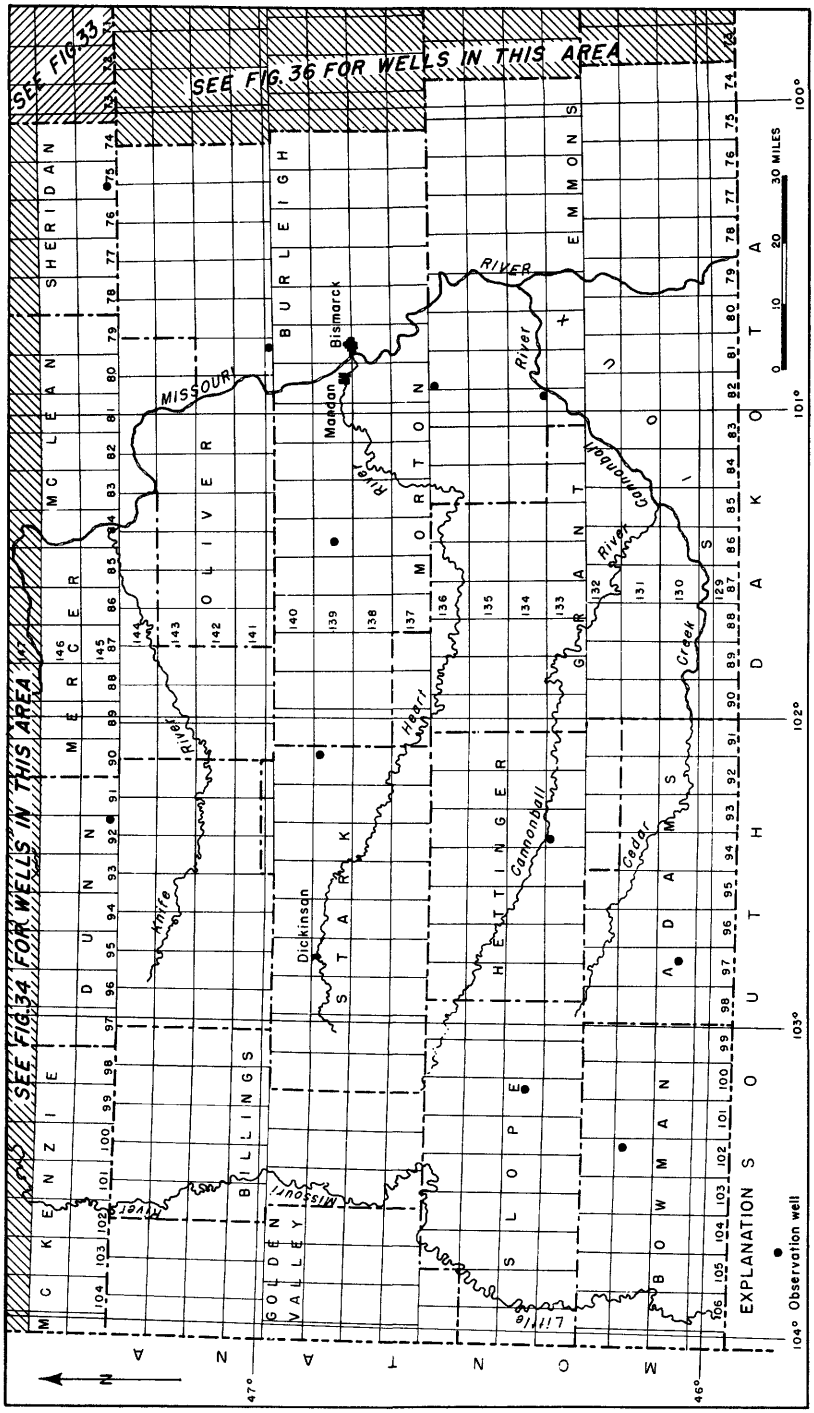


Figure 35.--Location of observation wells in southwestern North Dakota, 1954.

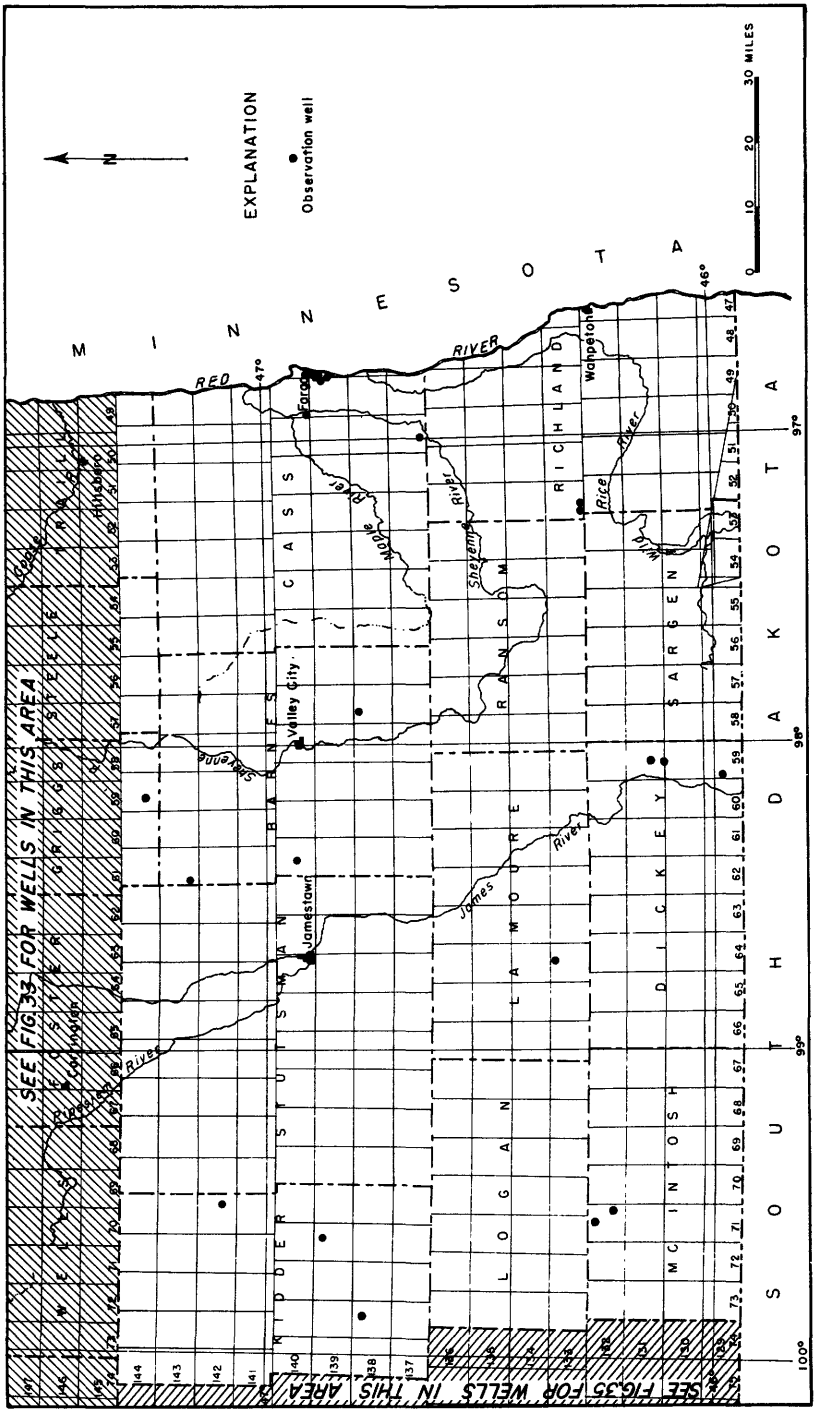


Figure 36.--Location of observation wells in southeastern North Dakota, 1954.

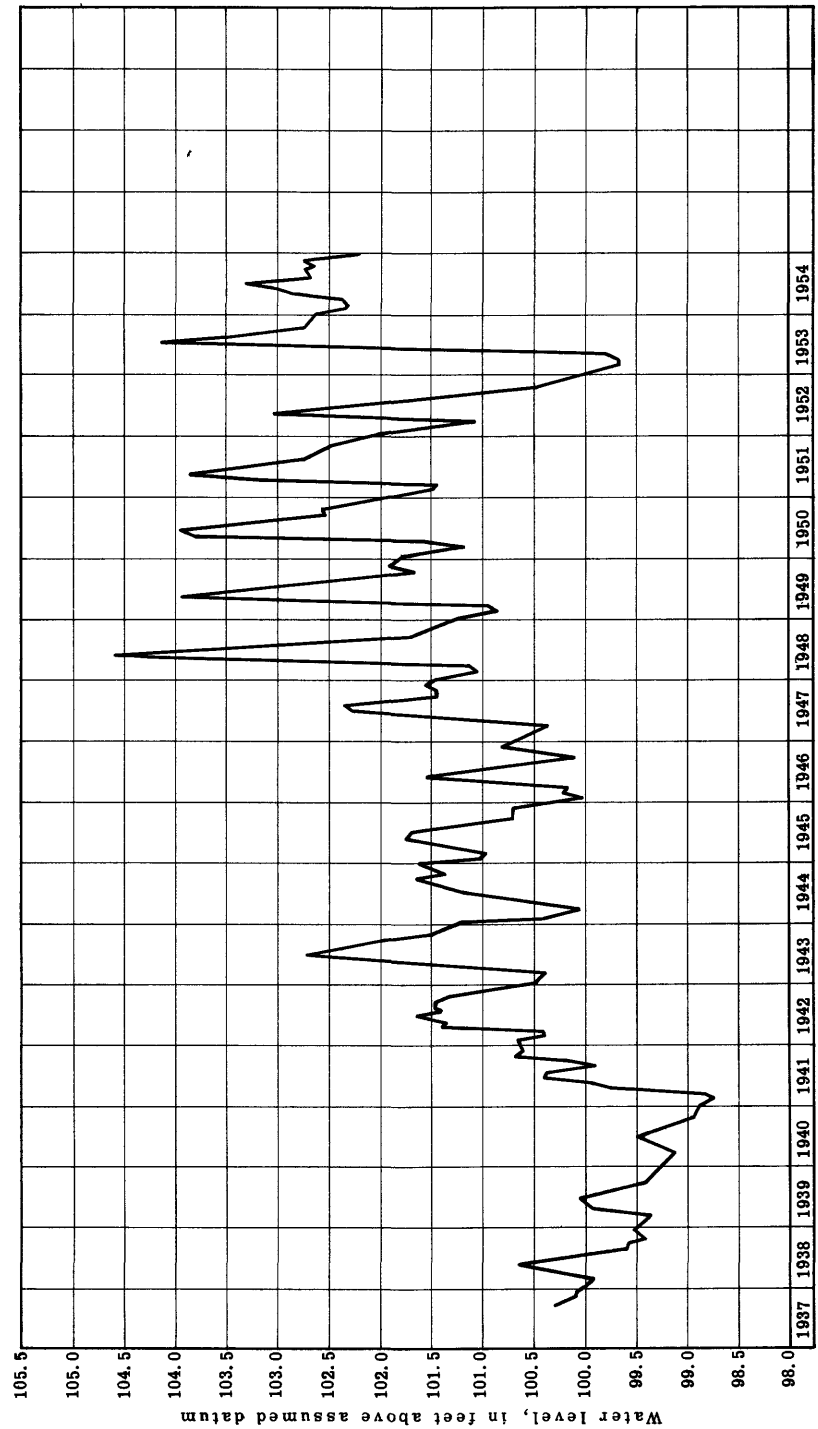


Figure 37.--Monthly average water levels in selected wells in North Dakota, 1937-54.

Well-Numbering System

The well-numbering system 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 North Dakota, the land descriptions are referred to the baseline that extends laterally across the middle of Arkansas and to the fifth principal meridian. All townships are north of the baseline 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 baseline 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 after 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, 1951-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	47.48	May 6	47.46	July 13	47.62	Sept. 16	47.84
Feb. 8	47.64	June 9	47.35	Aug. 20	47.85	Oct. 13	47.92
Mar. 4	47.70						

Barnes County

138-57-5cb1. H. H. Wilkins. Dug water-table well in glacial drift, diameter 24 inches, depth 51 feet. Highest water level 27.34 below lsd, Nov. 10, 1951; lowest 43.41 below lsd, Aug 30, 1941. Records available: 1939-47, 1949-54. Sept. 17, 38.04.

140-61-16dcc. L. A. Flynn. Drilled unused water-table well in glacial drift, diameter 12 inches, depth 51 feet. Highest water level 36.05 below lsd, Apr. 28, 1954; lowest 37.02 below lsd, May 8, 1953. Records available: 1953-54. May 8, 1953, 37.02; Nov. 20, 36.29; Apr. 28, 1954, 36.05; Sept. 17, 36.36.

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, 1952-54. Apr. 28, 30.20; Oct. 5, 32.20.

Benson County

151-63-14aaa. R. L. Schlieve. U. S. Geol. Survey. Drilled unused water-table well in glacial outwash sand and gravel, diameter 1½ inches, depth 40 feet, sandpoint in bottom. Highest water level 17.58 below lsd, Oct. 11, 1950; lowest 21.86 below lsd, July 23, 1954. Records available: 1950-54.

Jan. 9	20.78	Mar. 22	20.70	June 1	21.80	Aug. 18	20.50
17	19.90	Apr. 1	20.80	13	21.80	Sept. 1	20.40
Feb. 4	21.80	10	21.60	22	21.75	23	19.10
23	21.82	22	21.70	July 11	21.82	Nov. 6	20.40
Mar. 1	20.70	May 8	21.70	23	21.86	17	20.70
3	20.60	11	21.80	Aug. 1	21.80		

151-63-29acc. U. S. Geol. Survey. Drilled unused water-table well in glacial outwash sand and gravel, diameter 6 inches, depth 67 feet. Highest water level 15.86 below lsd, Aug. 18, 1951; lowest 17.28 below lsd, Feb. 10-11, 1954. Records available: 1951-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.15	17.20	17.22	17.18	17.21	17.20	17.11	17.00	17.05	17.08	17.10	17.15
2	17.16	17.24	17.23	17.20	17.21	17.20	17.10	17.00	17.05	17.07	17.10	17.12
3	17.14	17.24	17.23	17.20	17.19	17.21	17.10	17.00	17.05	17.08	17.08	17.10
4	17.15	17.25	17.22	17.16	17.18	17.20	17.09	17.02	17.06	17.09	17.08	17.14
5	17.18	17.26	17.19	17.16	17.18	17.19	17.09	17.03	17.07	17.10	17.06	17.15
6	17.18	17.26	17.20	17.15	17.18	17.19	17.07	17.02	17.06	17.12	17.06	17.14
7	17.18	17.25	17.20	17.20	17.18	17.17	17.06	17.02	17.07	17.10	17.09	17.13
8	17.18	17.25	17.20	17.20	17.20	17.19	17.06	17.00	17.07	17.05	17.10	17.12
9	17.20	17.24	17.16	17.16	17.20	17.21	17.06	17.03	17.06	17.05	17.10	17.13
10	17.20	17.28	17.16	17.18	17.20	17.21	17.05	17.04	17.07	17.05	17.09	17.13
11	17.20	17.28	17.16	17.20	17.19	17.19	17.05	17.04	17.07	17.05	17.11	17.15
12	17.20	17.27	17.20	17.19	17.19	17.19	17.06	17.03	17.07	17.04	17.10	17.15
13	17.16	17.20	17.20	17.15	17.17	17.19	17.04	17.02	17.08	17.06	17.09	17.12
14	17.17	17.23	17.20	17.14	17.17	17.17	17.05	17.03	17.08	17.06	17.09	17.13
15	17.20	17.27	17.21	17.17	17.18	17.17	17.05	17.05	17.08	17.08	17.05	17.13
16	17.20	17.27	17.20	17.17	17.19	17.17	17.03	17.05	17.07	17.06	17.06	17.14
17	17.20	17.27	17.16	17.15	17.20	17.19	17.03	17.05	17.08	17.08	17.07	17.15
18	17.17	17.25	17.17	17.17	17.20	17.20	17.02	17.04	17.06	17.09	17.10	17.15
19	17.20	17.27	17.18	17.19	17.20	17.19	17.02	17.04	17.05	17.09	17.09	17.15
20	17.21	17.25	17.18	17.18	17.18	17.17	17.02	17.05	17.08	17.09	17.09	17.14
21	17.21	17.25	17.17	17.18	17.17	17.16	17.02	17.04	17.10	17.07	17.10	17.14
22	17.20	17.24	17.16	17.18	17.18	17.15	17.01	17.05	17.10	17.06	17.10	17.13
23	17.17	17.24	17.16	17.17	17.17	17.15	17.01	17.05	17.08	17.07	17.09	17.15
24	17.20	17.20	17.15	17.18	17.20	17.19	17.01	17.05	17.07	17.08	17.11	17.15
25	17.21	17.20	17.17	17.18	17.20	17.15	17.03	17.05	17.07	17.08	17.11	17.16
26	17.21	17.18	17.17	17.17	17.19	17.15	17.01	17.05	17.07	17.08	17.08	17.18
27	17.22	17.20	17.18	17.18	17.18	17.13	17.00	17.05	17.06	17.08	17.08	17.18
28	17.21	17.20	17.18	17.16	17.17	17.10	17.00	17.06	17.05	17.07	17.10	17.17
29	17.22		17.17	17.20	17.17	17.10	17.03	17.07	17.07	17.08	17.13	17.15
30	17.22		17.17	17.20	17.18	17.11	17.01	17.06	17.08	17.08	17.14	17.16
31	17.21		17.17		17.20		17.01	17.05		17.08		17.13

153-66-21aab. U. S. Geol. Survey. Drilled unused water-table well in glacial sand and gravel, diameter 6 inches, depth 103 feet, casing slotted 83-103. Highest water level 0.84 below lsd, Sept. 28, 1954; lowest 5.61 below lsd, Apr. 28, 1953. Records available: 1950-54. Apr. 20, 3.50; Sept. 28, 0.84; Oct. 21, 0.97.

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. No measurement made in 1954.

Bottineau County

163-80-25ccb. City of Westhope. Drilled observation well, diameter $1\frac{1}{4}$ inches, depth 145 feet. Water level affected by pumping of nearby city supply wells. Highest water level 94.82 below lsd, Oct. 15, 1953; lowest 102.09 below lsd, Dec. 7, 1954. Records available: 1953-54. Oct. 15, 1953, 94.82; Dec. 7, 1954, 102.09.

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, 1944-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	18.02	May 7	17.68	July 13	18.54	Sept. 23	18.59
Feb. 9	17.79	June 8	17.91	Aug. 16	18.45	Oct. 13	18.63
Mar. 5	17.89						

Burke County

159-91-4dd1. U. S. Fish and Wildlife Service. Jetted unused artesian well, diameter 2 inches, depth 200 feet. Highest water level 74.46 below lsd, Nov. 18, 1953; lowest 77.89 below lsd, Nov. 23, 1940. Records available: 1940-46, 1949-50, 1952-53. No measurement made in 1954.

160-91-21cd1. U. S. Fish and Wildlife Service. Jetted unused artesian well, diameter 2 inches, depth 90 feet. Highest water level 55.78 below lsd, Sept. 29, 1954; lowest 59.05 below lsd, Sept. 10, 1949. Records available: 1940-47, 1949-50, 1952-54. Sept. 29, 55.78.

162-89-5dd1. C. B. Cron. Formerly 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: 1937-54. Apr. 21, 70.11; Sept. 29, 69.59.

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, 1948-54. Apr. 30, 13.77; Sept. 16, 13.79.

Cass County

137-50-29dda5. City of Kindred. Drilled water-table well in deposits of glacial Lake Agassiz, diameter 16 inches, depth 35 feet. Highest water level 2.68 below lsd, Apr. 11, 1952; lowest 9.70 below lsd, Oct. 29, 1948. Records available: 1948-52, 1954. Oct. 8, 7.35.

139-40-1caa. Drilled unused artesian well in glacial drift, diameter 2 inches, depth 198 feet. Water level influenced by pumping of nearby city supply well. Highest water level 17.24 below lsd, Sept. 12, 1954; lowest 57.29 below lsd, Nov. 28, 1954. Records available: 1954.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	51.84	May 1	54.06	July 26	54.08	Oct. 17	54.00
7	52.00	9	53.88	Aug. 1	44.44	24	55.04
15	52.23	17	54.13	8	49.55	31	55.76
21	52.42	24	54.18	15	43.24	Nov. 8	56.45
Mar. 1	52.67	31	54.11	22	48.93	14	56.85
14	52.98	June 6	53.96	30	52.60	21	57.28
21	53.27	14	51.85	Sept. 5	50.29	28	57.29
Apr. 1	53.41	21	52.09	12	17.24	Dec. 5	57.17
4	53.66	28	52.89	20	36.49	12	56.89
11	53.77	July 6	45.22	26	44.58	20	56.79
18	53.88	12	49.43	Oct. 3	49.53	26	56.77
25	54.06	19	52.10	10	52.34		

139-48-6ccd1. 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: 1940-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	34.61	34.55	34.57	34.67	34.75	34.76	34.97	35.20	35.44	35.42	35.42	35.52
2	34.60	34.53	34.61	34.70	34.76	34.77	34.97	35.20	35.44	35.42	35.43	35.52
3	34.60	34.52	34.66	34.71	34.76	34.78	34.96	35.21	35.45	35.41	35.42	35.51
4	34.58	34.52	34.68	34.71	34.75	34.78	34.97	35.23	35.45	35.41	35.43	35.49
5	34.60	34.54	34.68	34.70	34.74	34.78	34.97	35.26	35.45	35.45	35.43	35.52
6	34.60	34.56	34.67	34.65	34.73	34.78	34.98	35.28	35.45	35.48	35.42	35.52
7	34.60	34.56	34.65	34.67	34.73	34.76	34.98	35.28	35.45	35.48	35.43	35.52
8	34.57	34.56	34.65	34.70	34.74	34.70	35.00	35.28	35.46	35.47	35.48	35.50
9	34.60	34.53	34.63	34.70	34.75	34.71	35.00	35.29	35.46	35.45	35.50	35.48
10	34.60	34.54	34.63	34.69	34.76	34.72	34.99	35.31	35.43	35.44	35.50	35.48
11	34.59	34.58	34.62	34.68	34.75	34.72	35.00	35.33	35.42	35.42	35.52	35.48
12	34.62	34.58	34.63	34.76	34.75	34.72	35.02	35.33	35.42	35.38	35.53	35.49
13	34.62	34.57	34.65	34.75	34.75	34.73	35.03	35.33	35.41	35.36	35.51	35.49
14	34.58	34.53	34.67	34.72	34.74	34.72	35.06	35.33	35.41	35.40	35.50	35.44
15	34.57	34.53	34.69	34.69	34.73	34.72	35.00	35.33	35.41	35.40	35.48	35.44
16	34.58	34.54	34.70	34.70	34.75	34.71	35.09	35.34	35.41	35.43	35.46	35.43
17	34.58	34.56	34.70	34.70	34.76	34.74	35.09	35.35	35.40	35.44	35.45	35.43
18	34.57	34.56	34.67	34.70	34.77	34.79	35.10	35.34	35.39	35.46	35.46	35.44
19	34.56	34.55	34.65	34.72	34.78	34.81	35.10	35.34	35.37	35.47	35.47	35.44
20	34.56	34.55	34.67	34.76	34.78	34.82	35.12	35.34	35.36	35.47	35.47	35.44
21	34.60	34.56	34.67	34.76	34.76	34.82	35.13	35.35	35.39	35.45	35.48	35.44
22	34.61	34.56	.....	34.76	34.75	34.83	35.14	35.35	35.40	35.44	35.48	35.43
23	34.60	34.56	.....	34.76	34.75	34.84	35.15	35.35	35.40	35.44	35.47	35.41
24	34.56	34.56	34.67	34.76	34.76	34.84	35.17	35.36	35.40	35.44	35.48	35.42
25	34.55	34.55	34.66	34.77	34.78	34.86	35.20	35.37	35.40	35.44	35.49	35.41

139-48-6ccd1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	34.54	34.55	34.65	34.76	34.78	34.90	35.22	35.38	35.41	35.44	35.49	35.43
27	34.54	34.55	34.64	34.75	34.78	34.91	35.21	35.38	35.50	35.44	35.47	35.46
28	34.54	34.55	34.64	34.75	34.75	34.91	35.19	35.39	35.40	35.43	35.44	35.46
29	34.53		34.65	34.73	34.73	34.92	35.19	35.42	35.40	35.41	35.47	35.45
30	34.54		34.66	34.74	34.73	34.94	35.20	35.45	35.41	35.42	35.51	35.43
31	34.55		34.66		34.74		35.20	35.45		35.42		35.42

139-48-7acb1. City of Fargo. Island Park. Drilled unused artesian well in glacial drift, diameter 10 inches, depth 228 feet. Highest water level 36.68 below lsd, July 1, 1940; lowest 43.75 below lsd, June 10, 1948. Records available: 1940-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	42.39	Apr. 4	42.34	July 6	42.31	Oct. 3	42.55
10	42.40	11	42.38	12	42.42	10	42.66
17	42.44	18	42.33	19	42.49	17	42.49
24	42.40	25	42.36	26	42.57	24	42.57
Feb. 1	42.42	May 2	42.30	Aug. 1	42.49	31	42.59
7	42.37	9	42.31	8	42.43	Nov. 8	42.70
14	42.25	17	42.35	15	42.56	14	42.60
21	42.32	24	42.31	22	42.61	21	42.61
Mar. 1	42.41	31	42.27	30	42.66	28	42.52
7	42.38	June 6	42.28	Sept. 5	42.64	Dec. 5	42.65
14	42.39	14	42.25	12	42.55	12	42.59
21	42.36	21	42.30	20	42.57	20	42.53
Apr. 1	42.32	28	42.35	26	42.50	26	42.59

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. Measurement discontinued.

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: 1938-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	70.30	Apr. 4	70.46	July 6	68.70	Oct. 3	73.41
10	70.28	11	71.29	12	68.89	10	73.62
17	70.22	18	69.84	19	69.38	17	73.93
24	70.71	25	69.50	26	69.81	24	74.31
Feb. 1	70.78	May 1	69.14	Aug. 1	70.09	31	74.65
7	70.86	9	68.71	8	70.45	Nov. 8	75.09
15	71.03	17	68.51	15	70.98	14	75.45
21	71.23	24	68.52	22	71.90	21	75.67
Mar. 1	71.29	31	68.47	30	72.35	28	75.70
7	71.27	June 6	68.39	Sept. 5	72.41	Dec. 5	75.78
14	71.32	14	68.42	12	72.57	12	75.86
21	71.64	21	68.46	20	72.76	20	75.86
Apr. 1	71.06	28	68.42	26	73.07	26	75.67

Cavalier County

161-60-14da1. City of Langdon. Dug water-table well in glacial drift, depth 27 feet. Highest water level 1.29 below lsd, May 22, 1948; lowest 14.13 below lsd, July 13, 1940. Records available: 1937-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	8.34	Apr. 3	9.55	July 3	2.22	Oct. 2	1.93
9	8.51	10	9.11	10	2.29	9	1.95
16	8.68	17	8.59	17	2.91	16	2.03
23	8.83	24	8.32	24	3.36	23	2.26
30	9.09	May 1	7.11	31	3.86	30	2.47
Feb. 6	9.36	8	6.73	Aug. 7	4.35	Nov. 6	2.67
13	9.58	15	6.50	14	4.00	13	2.73
20	9.80	22	6.06	21	3.10	20	2.84
27	9.95	29	6.40	28	2.19	27	2.88
Mar. 6	10.12	June 5	4.24	Sept. 4	2.94	Dec. 4	3.38
13	10.28	12	1.88	11	3.28	11	3.78
20	10.43	19	1.70	18	3.00	18	4.06
27	10.93	26	2.70	25	1.98	25	4.36

Dickey County

129-59-7ba1. C. C. Botts. Driven water-table well in deposits of glacial Lake Dakota, diameter 1½ inches, depth 18 feet. Highest water level 4.84 below lsd, May 5, 1945; lowest 13.39 below lsd, Sept. 2, 1940. Records available: 1940-49, 1951-54. Oct. 8, 13.01.

130-59-9bc1. H. G. Martin, administrator. Driven water-table well in deposits of glacial Lake Dakota, diameter 1¼ 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. Measurement discontinued.

131-59-28ba1. City of Oakes. Driven water-table well in deposits of glacial Lake Dakota, diameter 1¼ inches, depth 24 feet. Highest water level 6.60 below lsd, May 17, 1948; lowest 10.71 below lsd, Jan. 2, 1940. Records available: 1940-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	8.82	Apr. 5	8.70	July 6	9.05	Oct. 4	9.40
11	8.95	12	8.70	12	9.11	11	9.50
18	8.93	19	8.73	19	9.10	18	9.54
25	8.92	26	8.66	26	9.15	25	9.48
Feb. 1	8.98	May 3	8.67	Aug. 2	9.30	Nov. 1	9.47
8	8.94	10	8.68	9	9.35	8	9.48
15	8.80	17	8.70	16	9.46	15	9.46
22	8.70	24	8.76	23	9.50	22	9.46
Mar. 1	8.67	31	8.79	30	9.54	29	9.47
8	8.70	June 7	8.80	Sept. 6	9.47	Dec. 6	9.45
15	8.74	14	8.86	13	9.55	13	9.44
21	8.72	21	8.93	20	9.49	20	9.45
28	8.73	28	8.99	27	9.54	27	9.43

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, 1952-54. Apr. 28, 7.77; Oct. 8, 9.24.

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, 1951-54. Sept. 29, 12.32.

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: 1942-54.

Jan. 1	10.17	Mar. 26	8.40	June 25	8.03	Oct. 15	8.74
8	10.06	Apr. 2	8.20	July 2	8.02	22	8.82
15	10.03	9	8.16	9	8.98	29	8.60
22	9.94	16	7.72	16	9.10	Nov. 5	8.66
29	10.10	23	7.87	23	9.27	12	8.61
Feb. 5	9.94	30	7.77	30	9.53	19	8.71
12	9.10	May 7	7.89	Aug. 6	7.21	26	8.68
19	8.32	14	8.16	13	6.56	Dec. 3	8.59
26	8.69	21	8.27	20	7.60	10	8.70
Mar. 5	8.98	28	8.00	27	8.09	17	9.22
12	9.22	June 4	8.83	Oct. 1	9.02	24	9.19
19	8.95	11	8.37	8	8.59	31	9.13

Eddy County

149-66-28bbb. Oscar Holton. Dug unused water-table well in glacial drift, diameter 30 inches, depth 8 feet. Highest water level 3.04 below lsd, Sept. 23, 1954; lowest 5.25 below lsd, Nov. 13, 1953. Records available: 1953-54. Nov. 13, 1953, 5.25; Apr. 23, 1954, 3.35; Sept. 23, 3.04.

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, 1948-54. Apr. 23, 20.90; Sept. 23, 19.79.

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, 1938-54. Apr. 23, 9.10; Sept. 23, 8.79.

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 15.66 below lsd, Oct. 20, 1951; lowest 27.95 below lsd, Apr. 6, 1941. Records available: 1940-54. Apr. 30, 18.59; Sept. 17, 18.09.

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 below lsd, Aug. 13, 1942. Records available: 1938-42, 1946-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23	46.60	Mar. 19	46.40	July 15	46.72	Oct. 18	50.30
Feb. 7	48.62	Apr. 27	49.17	Aug. 13	46.66	Nov. 19	49.16
27	46.63	June 15	46.50	Sept. 13	49.87		

Kidder County

138-73-9cc1. Herman Peterson. Drilled unused well, diameter 2½ inches, depth 120 feet. Highest water level 5.57 below lsd, Oct. 26, 1948; lowest 8.97 below lsd, June 7, 1949. Records available: 1937-54. Apr. 29, 7.44; Sept. 22, 7.07.

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: 1940-54. Apr. 29, 6.87; Oct. 7, 6.92.

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. Measurement discontinued.

142-70-23ab1. Mrs. Fagereng. Drilled water-table well in glacial drift, diameter 16 to 12 inches. Highest water level 13.98 below lsd, June 16, 1948; lowest 23.93 below lsd, July 26, 1940. Records available: 1940-54. Apr. 28, 17.85; Oct. 7, 18.41.

La Moure County

133-64-3bc1. City of Edgeley. Drilled unused water-table well in Pierre shale, diameter 6 inches, depth 92 feet. Highest water level 20.59 below lsd, Oct. 8, 1954; lowest 28.05 below lsd, Aug. 29, 1946. Records available: 1940-54. Apr. 7, 20.80; Oct. 8, 20.59.

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, 1952-54. Mar. 17, 0.99; Sept. 29, 0.30.

152-79-6bc1. Minneapolis, St. Paul & Sault Ste. Marie RR. Co. Dug water-table well in glacial drift, diameter 10 feet, depth 23 feet. Highest water level 9.22 below lsd, Sept. 30, 1954; lowest 22.86 below lsd, Nov. 10, 1940. Records available: 1940-48, 1950-54. Apr. 22, 10.18; Sept. 30, 9.22.

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, 1943-54. Apr. 21, 3.66; Sept. 29, 1.85.

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: 1940-54. Apr. 21, 6.60; Sept. 29, 5.54.

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, 1952-54. Mar. 17, 3.09; Sept. 29, 2.97.

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, 1948-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	23.16	Apr. 12	23.20	July 12	23.97	Oct. 11	23.49
11	23.21	19	23.51	20	24.62	20	23.57
18	23.16	26	23.52	26	23.98	25	23.56
25	23.26	May 4	23.54	Aug. 2	23.70	Nov. 1	23.49
Feb. 1	23.28	10	23.56	9	23.78	8	23.58
9	23.29	17	24.03	16	23.73	15	23.56
15	23.30	24	23.82	23	23.64	22	23.53
22	23.32	31	23.63	Sept. 3	23.70	27	23.51
Mar. 1	23.35	June 8	23.51	6	23.68	29	23.54
8	23.34	14	23.92	13	23.56	Dec. 5	23.54
15	23.38	21	23.45	20	23.68	13	23.64
23	23.30	28	23.67	27	23.51	20	23.65
29	23.40	July 6	23.67	Oct. 4	23.46	31	23.67
Apr. 6	23.53						

132-71-24ad1. Federal Land Bank. Driven water-table well in glacial drift, diameter $1\frac{1}{2}$ inches, depth 14 feet. Highest water level 2.09 below lsd, Oct. 27, 1951; lowest 11.01 below lsd, Nov. 23, 1940. Records available: 1940-52, 1954. Oct. 8, 8.51.

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, Oct. 2, 1954; lowest 114.94 below lsd, Mar. 31, 1945. Records available: 1938-54.

Jan. 2	113.42	Apr. 3	112.98	July 3	113.00	Oct. 2	112.80
9	113.40	10	113.24	10	113.10	9	113.00
16	113.23	17	113.12	17	113.01	16	112.96
23	113.16	24	113.23	24	113.09	23	113.08
30	113.18	May 1	113.21	31	112.99	30	113.06
Feb. 6	113.21	8	113.10	Aug. 7	113.01	Nov. 6	112.89
13	113.00	15	113.17	14	113.08	13	113.21
20	112.92	22	113.10	21	113.01	20	113.01
27	113.40	29	112.98	28	113.82	27	112.86
Mar. 6	113.15	June 5	112.87	Sept. 4	113.08	Dec. 4	113.02
13	112.81	12	113.12	11	113.02	11	113.21
20	113.07	19	112.98	18	112.81	18	112.99
27	113.18	26	113.08	25	113.01	25	113.00

McLean County

149-84-15bc1. T. A. Welsh. Formerly 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, 1951-54. Apr. 30, 40.89; Oct. 6, 41.54.

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: 1941-54. Apr. 29, 21.31; Sept. 22, 21.65.

134-82-36cb. Albrecht & Johnson. Dug unused water table in Fort Union formation, diameter 16 inches, depth 20 feet. Highest water level 14.57 below lsd, May 24, 1943; lowest 18.04 below lsd, Apr. 15, 1941. Records available: 1941-47, 1949, 1953-54. May 7, 1953, 15.54; Nov. 11, 16.01; Apr. 29, 1954, 15.68; Sept. 22, 15.97.

139-85-15cc1. Fred Lehde. Drilled unused water-table well in Hell Creek formation, diameter 24 to 16 inches, depth 72 feet. Highest water level 28.97 below lsd, Apr. 7, 1951; lowest 48.24 below lsd, June 1, 1953. Records available: 1941-54.

139-85-15cc1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	31.70	Apr. 19	35.82	July 11	37.38	Oct. 5	33.94
17	33.01	25	36.07	18	37.48	10	35.15
30	33.28	May 1	36.21	24	37.51	16	35.58
Feb. 6	31.12	8	36.19	31	37.62	23	35.92
16	33.58	15	36.29	Aug. 8	37.69	Nov. 1	36.31
21	33.87	22	36.37	15	33.50	13	36.79
28	34.07	29	36.41	21	32.93	20	37.05
Mar. 6	34.20	June 8	36.59	29	34.23	27	37.30
13	34.30	14	37.25	Sept. 5	33.83	Dec. 6	37.63
20	32.45	21	36.96	13	35.37	12	37.85
27	34.88	30	37.18	19	34.82	21	38.11
Apr. 3	35.31	July 3	37.20	26	34.69	26	38.27
11	35.40						

Mountrail County

152-89-6aa1. Emil Molter. Drilled unused water-table well, diameter 24 inches, depth 64 feet. Highest water level 41.22 below lsd, July 14, 1951; lowest 48.28 below lsd, July 10, 1944. Records available: 1938-47, 1949, 1951-52, 1954. Sept. 14, 44.23.

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 23.90 below lsd, July 29, Aug. 5, 1954. Records available: 1948-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	21.50	Apr. 2	21.60	July 1	21.60	Oct. 14	21.00
14	21.60	8	21.40	8	21.70	21	20.80
21	21.70	15	21.20	16	22.50	28	20.50
28	21.50	22	21.20	22	23.10	Nov. 5	20.40
Feb. 4	21.60	29	21.10	29	23.90	11	20.40
11	21.40	May 6	21.10	Aug. 5	23.90	19	20.30
18	21.80	13	21.00	12	23.20	26	20.10
25	21.80	27	21.80	26	23.00	Dec. 3	20.10
Mar. 4	21.80	June 4	21.70	Sept. 2	22.30	9	20.30
11	21.70	11	21.60	9	22.30	16	20.20
18	21.40	18	21.30	23	22.20	23	20.10
26	21.70	24	21.50	30	21.40	30	20.20

153-60-32aba. A. W. Goldammer. Drilled unused artesian well in Pierre shale, diameter 5 inches, depth 103 feet. Highest water level 36.34 below lsd, Sept. 28, 1954; lowest 36.40 below lsd, Apr. 23, 1954. Records available: 1954. Apr. 23, 36.40; Sept. 28, 36.34.

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 28.69 below lsd, Apr. 20, 1954. Records available: 1949-54. Feb. 5, 25.40; Apr. 20, 28.69; Apr. 23, 26.66; May 17, 22.86; Sept. 3, 27.56; Sept. 23, 24.24.

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. Measurement discontinued.

Pembina County

160-56-16aaa1. S. J. Hanson. Dug water-table well in deposits of glacial Lake Agassiz, depth 12 feet. Highest water level 5.31 below lsd, May 22, 1951; lowest 9.99 below lsd, Dec. 3, 1953. Records available: 1946-54. Apr. 19, 9.42; Sept. 27, 8.32.

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: 1941-54.

161-56-22bb1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	7.00	Apr. 3	6.90	July 3	7.27	Oct. 2	8.45
9	7.03	10	6.82	10	7.39	9	8.34
16	7.06	17	6.73	17	7.68	16	8.27
23	7.08	24	6.64	24	7.76	23	8.25
30	7.11	May 1	6.40	31	8.40	30	8.20
Feb. 6	7.13	8	6.12	Aug. 7	8.24	Nov. 6	8.20
13	7.15	15	5.74	14	8.35	13	8.21
20	7.17	22	5.53	21	8.50	20	8.22
27	7.18	29	5.43	28	7.59	27	8.24
Mar. 6	7.16	June 5	8.46	Sept. 4	8.55	Dec. 4	8.26
13	7.12	12	7.58	11	8.75	11	8.34
20	7.05	19	7.18	18	8.75	18	8.38
27	6.96	26	7.09	25	7.59	25	8.38

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: 1941-54.

Jan. 2	10.60	Apr. 3	10.47	July 3	8.76	Oct. 9	9.95
9	10.63	10	10.41	10	8.90	16	9.90
16	10.65	17	10.34	17	9.21	23	9.83
23	10.68	24	10.24	24	9.46	30	9.79
30	10.72	May 1	10.08	31	9.75	Nov. 6	9.76
Feb. 6	10.72	8	9.79	Aug. 7	9.80	13	9.73
13	10.69	15	9.53	14	9.88	20	9.73
20	10.72	22	9.35	21	10.03	27	9.72
27	10.76	29	9.34	28	10.34	Dec. 4	9.75
Mar. 6	10.76	June 5	9.14	Sept. 4	10.46	11	9.82
13	10.77	12	8.93	11	10.56	18	9.82
20	10.68	19	8.82	25	10.40	25	9.85
27	10.58	26	8.78	Oct. 2	10.07		

162-55-3dd1. Albert C. McCurdy. Dug unused water-table well in deposits of glacial Lake Agassiz, diameter 5 feet, depth 17 feet. Highest water level 2.88 below lsd, May 19, 1950; lowest 11.98, below lsd, Apr. 1, 1944. Records available: 1941-54.

Jan. 3	10.82	Apr. 4	10.15	July 4	8.05	Oct. 3	9.30
10	10.86	11	10.00	11	8.05	10	9.20
17	10.88	19	9.83	18	8.24	17	9.37
24	10.95	25	9.72	25	8.45	24	9.07
30	10.97	May 2	9.49	Aug. 1	8.59	31	9.05
Feb. 7	11.13	9	9.03	8	8.77	Nov. 7	9.07
14	11.12	16	8.77	15	8.97	14	9.05
21	11.12	23	8.61	22	9.13	21	9.03
28	10.99	30	8.51	29	9.29	27	9.02
Mar. 7	10.87	June 6	8.37	Sept. 5	9.39	Dec. 5	9.01
14	10.62	13	8.24	12	9.51	12	9.05
21	10.52	20	8.17	19	9.57	19	9.09
28	10.32	27	8.05	26	9.42	26	9.09

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: 1950-54. Apr. 20, 5.79; Sept. 28, 3.60.

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, 1952-54. Apr. 20, 27.27.

153-64-19da1. Camp Grafton Military Reserve. Drilled water-table well in glacial drift, diameter 4 inches, depth 148 feet. Highest water level 49.92 below lsd, Sept. 28, 1954; lowest 59.44 below lsd, May 29, 1951. Records available: 1943-54. Mar. 17, 49.95; Sept. 28, 49.92.

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: 1937-54. Apr. 20, 53.31; Sept. 28, 53.60.

154-64-34ddd6. Fairmount Foods Co. Drilled unused artesian(?) well in Pierre shale, diameter 6 inches, depth 112 feet. Highest water level 51.09 below lsd, Oct. 10, 1950; lowest 62.34 below lsd, Nov. 15, 1950. Records available: 1950-51, 1954. Sept. 28, 55.89.

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: 1950-54. Apr. 20, 31.67; Sept. 28, 29.17.

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: 1937-54. Apr. 21, 82.07.

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, 1954. Apr. 27, 4.50; Oct. 8, 5.66.

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: 1937-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	6.60	Mar. 27	5.36	July 17	7.24	Oct. 9	6.94
9	6.65	Apr. 3	5.36	24	7.28	16	6.66
16	6.65	10	5.11	31	7.19	23	6.61
23	6.85	17	4.86	Aug. 7	7.61	30	6.61
30	7.02	24	4.78	14	7.82	Nov. 6	6.78
Feb. 6	7.15	May 1	4.78	21	7.86	13	6.74
13	6.69	8	4.61	28	7.86	20	6.78
20	6.02	June 12	4.21	Sept. 4	7.98	27	6.77
27	5.82	19	4.29	11	8.02	Dec. 4	6.81
Mar. 6	5.77	26	5.87	18	6.70	11	6.85
13	5.77	July 3	6.11	22	6.74	18	6.94
20	5.61	10	6.78	Oct. 2	6.94	24	7.02

Rolette County

162-69-2aba. City of Rolla. Driven unused water-table well in glacial drift, diameter 1¼ inches, depth 8 feet. Water level affected by pumping of nearby city supply well. Highest water level 1.98 below lsd, Oct. 20, 1954; lowest 3.84 below lsd, Sept. 17, 1953. Records available: 1953-54. Sept. 17, 1953, 3.84; July 28, 1954, 3.54; Oct. 20, 1.98.

Sheridan County

145-75-28bb1. Bank of North Dakota. Drilled well, diameter 2 inches, reported depth 300 feet. Highest water level 50.51 below lsd, Sept. 16, 1954; lowest 56.51 below lsd, Oct. 26, 1940. Records available: 1938-47, 1949, 1952-54. Apr. 30, 51.20; Sept. 16, 50.51.

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, 1951-54.

Jan. 15	15.89	May 7	16.09	July 13	16.13	Sept. 23	16.02
Feb. 9	15.92	June 8	16.15	Aug. 16	16.13	Oct. 13	16.00
Mar. 5	16.04						

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, 1952-54. Apr. 29, 3.64; Oct. 6, 4.80.

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 of 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. Measurement discontinued.

Steele County

148-57-35bbd. City of Sharon. Drilled unused artesian well in glacial drift, diameter 24 inches, depth 70 feet. Highest water level 31.19 below lsd, May 5, 1954; lowest 32.98 below lsd, Oct. 8, 1953. Records available: 1953-54. Oct. 8, 1953, 32.98; May 5, 1954, 31.19; Oct. 8, 31.95.

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, 1947-54. Apr. 20, 26.63; Oct. 20, 17.28.

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: 1937-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	14.48	Apr. 3	14.39	July 3	14.29	Oct. 2	14.29
9	14.45	10	14.38	10	14.29	9	14.29
16	14.42	17	14.38	17	14.30	16	14.29
23	14.40	24	14.38	24	14.31	23	14.29
30	14.42	May 1	14.38	31	14.31	30	14.27
Feb. 6	14.41	8	14.38	Aug. 7	14.30	Nov. 6	14.23
13	14.39	15	14.38	14	14.30	13	14.19
20	14.38	22	14.38	21	14.30	20	14.15
27	14.38	29	14.38	28	14.30	26	14.09
Mar. 6	14.37	June 5	14.35	Sept. 4	14.29	Dec. 4	14.06
13	14.39	12	14.32	11	14.29	11	14.02
20	14.41	19	14.31	18	14.29	18	13.94
27	14.40	26	14.30	25	14.29		

Traill County

148-53-18aa1. City of Hatton. Dug water-table well in glacial drift, diameter 6 feet, depth 31 feet. Highest water level 4.22 below lsd, June 3, 1950; lowest 27.17 below lsd, Sept. 29, 1940. Records available: 1937-51, 1953-54. May 5, 10.44.

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: 1938-54. May 5, 13.41.

Walsh County

157-51-16dc2. Henry Dipple. Dug water-table well in deposits of glacial Lake Agassiz, diameter 4 feet, depth 16 feet. Highest water level 0.12 below lsd, Apr. 12, 1941; lowest 12.09 below lsd, Mar. 11, 1939. Records available: 1937-54. Apr. 19, 3.62; Sept. 27, 7.73.

157-55-17cc1. C. D. Lewis. Dug unused water-table well in deposits of glacial Lake Agassiz, diameter 36 inches, depth 9 feet. Highest water level 1.37 below lsd, Apr. 24, 1948; lowest dry, Sept. 10, 1938. Records available: 1938-54. Apr. 19, 5.60; Sept. 27, 5.80.

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: 1937-38, 1946-54. Apr. 19, 4.34; Sept. 27, 6.50.

157-56-20cb. Mrs. Alfred Christianson. Drilled unused water-table well in glacial outwash, diameter 5 inches, depth 25 feet. Highest water level 13.27 below lsd, Sept. 27, 1954; lowest 15.39 below lsd, May 15, 1953. Records available: 1953-54. May 15, 1953, 15.39; Dec. 3, 15.08; Apr. 19, 1954, 13.94; Sept. 27, 13.27.

Ward County

155-83-23baa1. City of Minot. Drilled unused artesian well in glacial drift, diameter 12 inches, depth 132 feet. Highest water level 38.62 below lsd, Apr. 22, 1954; lowest 55.54 below lsd, July 25, 1951. Records available: 1944-54. Feb. 3, 46.15; Feb. 5, 44.89; Mar. 18, 38.85; Apr. 22, 38.62; June 24, 39.76.

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, 1953-54. Sept. 29, 10.49.

Wells County

150-70-20dad. Great Northern Railway. Dug water-table well in glacial drift, size 5 by 5 feet, depth 12 feet. Highest water level 0.50 below lsd, July 6, 1953; lowest 5.80 below lsd, Mar. 16, 1953. Records available: 1951-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 16, 1951	0.93	Aug. 18, 1952	3.92	June 1, 1953	2.00	Mar. 15, 1954	3.13
23	1.47	25	4.20	8	2.14	22	2.90
30	2.10	Sept. 1	4.04	15	1.75	29	2.90
Aug. 6	2.06	8	4.32	22	1.28	Apr. 5	2.90
13	2.31	15	4.45	29	1.36	12	2.70
20	2.52	29	4.65	July 6	.50	19	2.60
27	2.77	Oct. 6	4.82	13	.67	26	2.36
Sept. 3	1.56	13	4.80	20	1.05	May 3	2.20
10	1.77	20	4.80	27	1.62	10	2.29
17	2.10	27	4.84	Aug. 3	1.92	17	2.44
24	2.49	Nov. 3	4.82	10	2.26	24	2.32
Oct. 1	2.33	10	4.83	17	2.88	31	1.57
8	2.47	17	4.81	24	3.38	June 7	2.52
21	2.58	24	4.90	31	4.00	14	.60
29	2.61	Dec. 1	5.07	Sept. 6	3.70	21	.66
Nov. 5	3.04	9	5.07	14	4.05	28	.90
12	2.74	15	5.10	Oct. 5	4.32	July 5	1.29
19	2.85	22	5.20	12	4.34	12	1.52
26	2.89	29	5.25	19	4.26	19	2.08
Dec. 3	2.97	Jan. 12, 1953	5.34	26	4.07	26	2.56
10	2.99	19	5.47	Nov. 2	4.00	Aug. 2	2.53
17	3.52	26	5.50	9	4.15	9	2.98
Apr. 14, 1952	2.87	Feb. 2	5.58	16	4.10	16	2.70
22	2.81	9	5.65	23	3.60	23	2.60
28	1.60	16	5.67	30	3.90	30	3.26
May 5	1.68	23	5.73	Dec. 7	4.15	Sept. 6	3.41
12	1.77	Mar. 2	5.75	14	4.34	13	3.10
19	1.95	9	5.79	21	4.45	Oct. 11	2.75
26	2.15	16	5.80	28	4.43	18	2.95
June 2	2.20	23	5.73	Jan. 4, 1954	4.53	25	2.99
9	2.80	30	5.65	11	4.66	Nov. 1	2.95
16	2.70	Apr. 6	5.20	18	4.77	8	3.07
23	2.70	13	5.30	25	4.86	15	3.00
30	2.00	20	5.20	Feb. 1	4.98	22	3.02
July 7	1.45	27	4.95	8	4.90	29	3.00
14	2.30	May 4	4.14	15	4.70	Dec. 6	3.25
21	2.30	11	3.67	22	3.80	13	3.37
28	3.15	18	3.10	Mar. 1	3.00	20	3.50
Aug. 4	3.38	25	2.50	8	2.90	27	3.68
11	3.60						

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, 1953-54. Apr. 22, 3.54; Oct. 1, 3.08.

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, 1950-54. Oct. 1, 6.28.

Williams County

159-103-24da1. Albert Fischer. Dug water-table well in glacial drift, diameter 18 inches, depth 43 feet. Highest water level 1.29 below lsd, July 5, 1953; lowest 39.66 below lsd, Mar. 15, 1941. Records available: 1939-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	10.55	Apr. 4	7.53	July 4	6.79	Oct. 3	11.59
10	10.92	11	7.22	11	7.67	10	11.64
17	11.22	18	3.46	18	7.31	17	11.85
24	11.30	25	3.51	25	8.71	24	12.08
31	10.39	May 2	3.74	Aug. 1	8.16	31	12.68
Feb. 7	10.24	9	3.80	8	9.46	Nov. 7	12.36
14	11.94	16	4.77	15	10.07	14	12.40
21	11.83	23	5.14	22	10.51	21	12.52
28	11.66	30	5.39	29	10.74	28	12.83
Mar. 7	11.47	June 6	6.98	Sept. 5	10.97	Dec. 5	13.01
14	11.29	13	6.17	12	11.21	12	13.10
21	11.09	20	6.56	19	11.27	19	13.21
28	10.22	27	6.06	26	11.56	26	13.34

159-103-24da2. Albert Fischer. Dug water-table well in glacial drift, size 24 by 24 inches, depth 40 feet. Highest water level 1.30 below lsd, July 5, 1953; lowest 39.01 below lsd, Dec. 28, 1940. Records available: 1938-54.

Jan. 3	7.92	Apr. 4	5.87	July 4	6.32	Oct. 3	8.98
10	8.16	11	5.65	11	6.73	10	9.32
17	8.32	18	2.37	18	6.90	17	9.36
24	8.45	25	2.87	25	7.92	24	10.48
31	7.03	May 2	3.73	Aug. 1	8.21	31	9.82
Feb. 7	6.87	9	3.85	8	8.45	Nov. 7	9.61
14	8.80	16	4.83	15	9.47	14	9.60
21	8.51	23	4.94	22	9.11	21	9.70
28	7.87	30	5.32	29	9.26	28	9.91
Mar. 7	7.56	June 6	5.50	Sept. 5	9.37	Dec. 5	9.98
14	7.36	13	5.56	12	9.65	12	10.01
21	7.32	20	5.85	19	9.77	19	10.17
28	7.08	27	5.98	26	10.67	26	10.27

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 and artesian pressures have been continued as part of the Missouri River basin program. During 1954, 22 wells were dropped from the program and 4 wells were added, making a total of 52 wells in 16 counties in the observation-well program at the end of the year. Figure 38 shows the location of the wells. Measurements of water levels in wells in and near the Oahe Unit, James River Division, of the U. S. Bureau of Reclamation are to be published in a separate report.

Precipitation

South Dakota had an average amount of precipitation during the spring but less than usual during the remainder of the year over most of the State. The east-central part of the State from Huron north to the border received little precipitation other than spring rains. Precipitation for 1954 averaged 17.38 inches over the State, which was about 2 inches below normal and about 4.5 inches less than in 1953.

Interpretation of Water-Level Fluctuations

Ground-water levels followed normal patterns of fluctuation in 1954, but fell below 1953 levels. In some wells of short record, new low levels were recorded late in the year. Fluctuations of water levels in Beadle County well 109-62-9ad1 and Union County well 95-50-8ab1, two wells of long record, are shown in figure 39. Hydrographs of Pennington County well A-1-8-17ddd1 and Haakon County well A-1-25-6dd1 illustrate conditions in the western part of the State, as does that of Fall River County well D-8-6-13bad1 in the Angostura irrigation project. (See fig. 39.) Walworth County well 121-76-2dc2 shows changes in water levels in north-central South Dakota (fig. 39). Figure 40 shows fluctuations of water levels in the James River basin. Brown County well 122-64-36ccdd1 lies in the plain of glacial Lake Dakota. Hand County wells 113-66-34cccc2 and 113-67-34cccc2 tap glacial drift which is chiefly till. Spink County well 115-65-28aaaa1 shows the normal range of fluctuations of water levels in extensive interconnected bodies of glacial sand and gravel known in eastern South Dakota as "the aquifer". Water levels in a few wells tapping "the aquifer" were affected by pumping for irrigation, begun in 1954. Water levels in Charles Mix County well 95-65-9aacd1 began to rise when water was impounded behind Fort Randall in the summer of 1952 and steadied when the reservoir stage was temporarily stabilized in the fall of 1954. Many of the wells are affected by barometric pressure; the effect of barometric changes is illustrated in figure 41. Figure 41 includes a hydrograph of Hand County well 115-66-2aaaa1.

Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management system of land subdivision. The first segment of a well designation indicates the township, the second the range, and the third the section in which the well is situated. The lowercase letters, a, b, c, and d, after the section number indicate the well location within the section: the first letter denotes the 160-acre tract, the second the 40-acre tract, the third the 10-acre tract, and the fourth the $2\frac{1}{2}$-acre tract. The letters are assigned in counterclockwise direction, beginning in the northeast quarter. Within the smallest significant tract, consecutive numbers beginning with 1 are added as suffixes. Well designations in the 1953 annual water-level report which had no suffix have had the number 1 added. 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 baseline system. Well numbers not preceded by a capital letter designate wells in the fifth or sixth principal meridian and baseline systems. Well 113-65-12cdbb1 is the first well described in the $NW\frac{1}{4}NW\frac{1}{4}SE\frac{1}{4}SW\frac{1}{4}$ sec. 12, T. 113 N., R. 65 W. The method of designation is shown by the illustration on page 215.

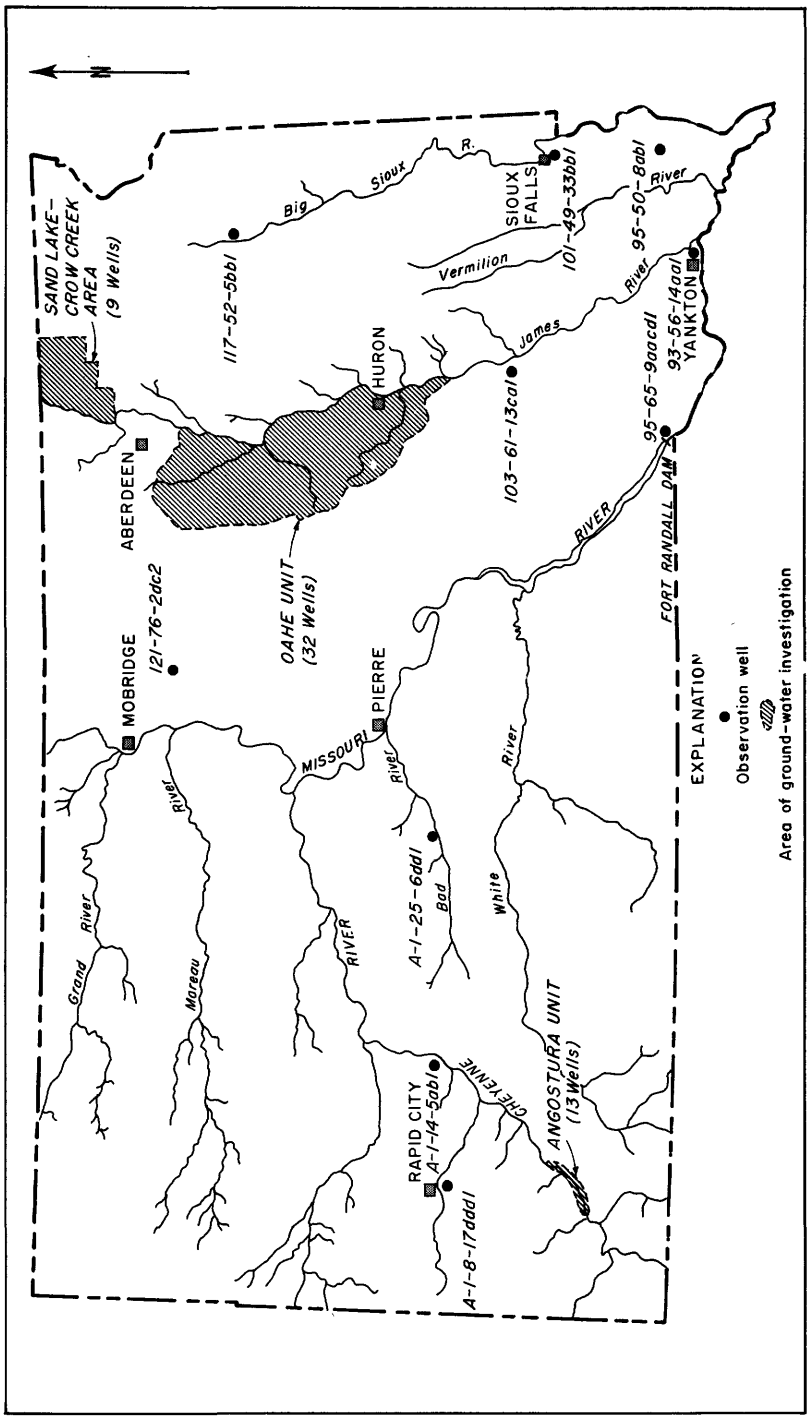


Figure 38.--Location of observation wells in South Dakota, 1954.

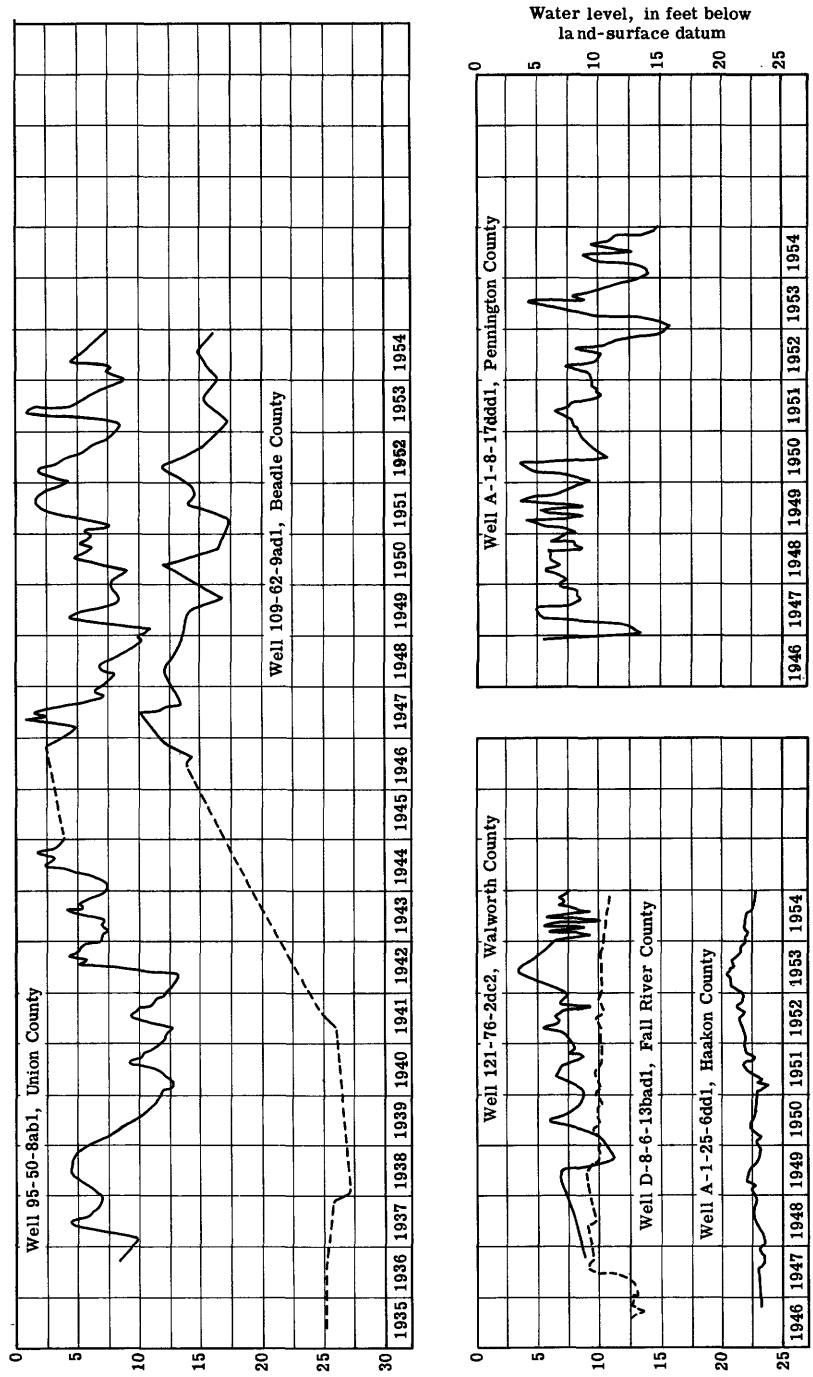


Figure 39. --Hydrographs of selected observation wells in South Dakota.

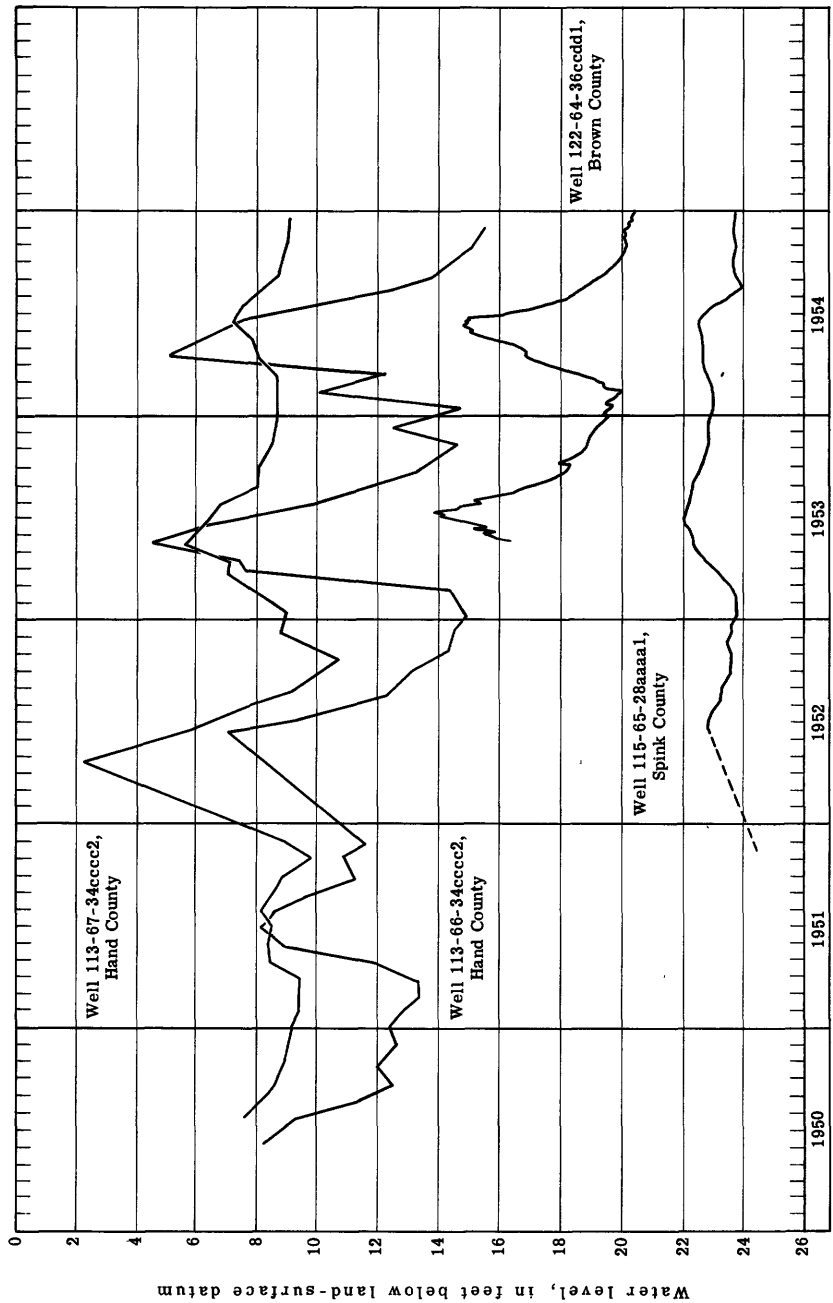


Figure 40.--Hydrographs of selected observation wells in the James River basin, South Dakota.

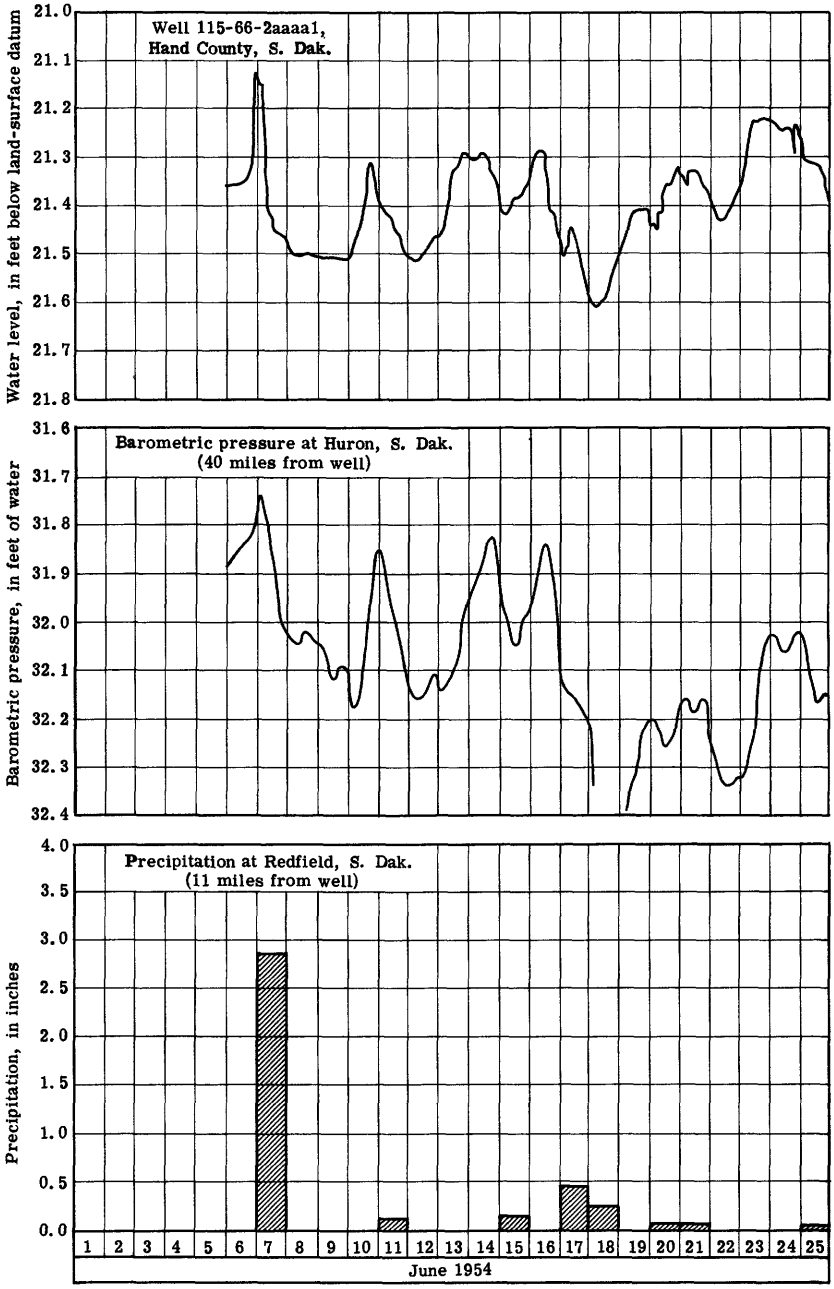
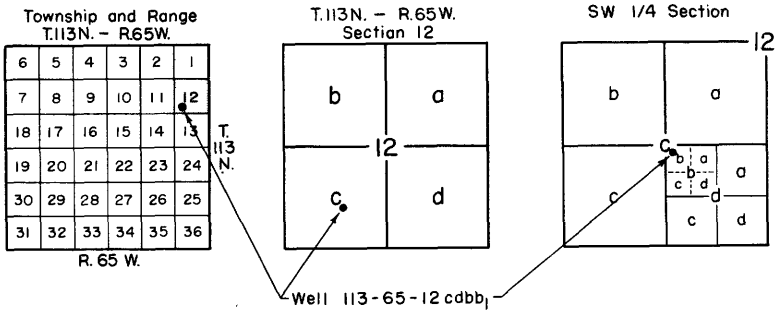


Figure 41.--Hydrographic data for Hand County well 115-66-2aaaa1, Oahe Unit, South Dakota.



Well Descriptions and Water-Level Measurements

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

Beadle County

109-62-9ad1. Hildur Erickson. Drilled unused well in glacial drift, diameter 18 inches, depth 26 feet. Land-surface datum is 1,321.6 feet above msl. Highest water level 9.95 below lsd, June 16, 1947; lowest 27.09 below lsd, Feb. 9, 1938. Records available: 1935-38, 1941, 1944, 1946-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 10, 1946	13.75	Apr. 22, 1948	11.87	May 15, 1950	11.80	Oct. 16, 1952	15.80
Aug. 9	14.17	Aug. 23	13.19	Sept. 26	16.44	Mar. 20, 1953	17.08
Nov. 12	11.88	Nov. 8	13.40	Apr. 10, 1951	17.52	July 21	15.20
Apr. 24, 1947	10.59	May 6, 1949	13.56	June 20	13.96	Feb. 10, 1954	16.26
June 16	9.95	July 11	14.00	Oct. 22	14.60	June 25	14.57
Aug. 21	13.38	Sept. 26	16.58	Apr. 23, 1952	11.55	Nov. 4	15.91

112-62-31cccc1. 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, 1943. Records available: 1948-53. Measurement discontinued.

112-62-34cccc1. 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 11.23 below lsd, June 28, 1951. Records available: 1948-52, 1954.

Feb. 1	9.24	June 7	8.52	Sept. 2	8.30	Nov. 4	8.61
Apr. 12	9.05	July 14	8.25	Oct. 8	8.50	Dec. 7	8.90
May 12	8.86	Aug. 10	8.40				

112-63-31cccc1. 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. Measurement discontinued.

112-63-34cccc1. 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: 1948-53. Measurement discontinued.

112-64-34cccc1. 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 7.23 below lsd, Aug. 18, 1949. Records available: 1948-54.

Apr. 12	4.52	July 14	4.62	Sept. 2	6.64	Nov. 4	6.83
May 12	4.22	Aug. 10	5.91	Oct. 8	6.85	Dec. 7	6.80
June 7	4.27						

113-60-31cccc1. 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: 1949-54. Feb. 4, 6.47; Mar. 10, 3.83; Apr. 5, 3.16; May 5, 2.93; June 8, 3.47; July 12, 4.89; Aug. 9, 6.25. Measurement discontinued.

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: 1950-54. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	3.68	Mar. 11	2.61	May 5	1.24	July 12	3.19
Feb. 5	3.24	Apr. 5	1.77	June 8	1.11	Aug. 9	4.60

113-63-34cddc1. U. S. Bureau of Reclamation. Drilled observation artesian well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 138 feet, seal set at 70. Land-surface datum is 1,304.0 feet above msl. Highest water level 3.46 below lsd, June 4, 1952; lowest 6.41 below lsd, Dec. 28, 1950. Records available: 1950-54.

June 23, 1950	5.29	June 22, 1951	4.47	Jan. 12, 1953	5.71	Feb. 5, 1954	5.55
July 17	5.47	July 24	4.18	Feb. 25	5.57	Mar. 11	5.28
Aug. 24	5.95	Aug. 21	4.21	Mar. 24	5.44	Apr. 5	4.97
Sept. 21	5.90	Sept. 26	4.48	Apr. 7	5.01	May 5	4.68
Oct. 23	5.61	Oct. 26	4.45	May 4	4.45	June 8	k4.49
Nov. 28	5.47	Nov. 26	4.39	June 17	3.73	July 12	4.58
Dec. 28	6.41	Apr. 14, 1952	4.02	July 24	3.94	Aug. 9	5.05
Jan. 31, 1951	5.52	June 4	3.46	Aug. 24	4.22	Sept. 1	5.45
Feb. 21	5.64	July 14	4.19	Sept. 23	4.75	Oct. 6	5.94
Mar. 22	5.62	Aug. 15	4.62	Nov. 4	5.34	Nov. 1	6.08
Apr. 24	5.53	Nov. 1	5.06	Dec. 2	5.32	Dec. 6	6.10
May 21	5.22	Dec. 2	5.65	Jan. 12, 1954	5.51		

k Ponded water nearby.

113-63-34cddc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 40 feet, seal set at 1. Land-surface datum is 1,304.0 feet above msl. Highest water level 1.53 below lsd, Apr. 14, 1952; lowest 10.71 below lsd, Nov. 1, 1954. Records available: 1950-54.

June 23, 1950	6.56	June 22, 1951	5.58	Dec. 2, 1952	8.09	Jan. 12, 1954	8.38
July 17	7.17	July 24	3.90	Jan. 12, 1953	8.10	Mar. 11	5.57
Aug. 24	8.00	Aug. 21	4.59	Mar. 24	3.56	Apr. 5	6.23
Sept. 21	6.90	Sept. 26	5.92	Apr. 7	4.25	May 5	5.78
Oct. 23	6.96	Oct. 23	5.60	May 4	2.17	June 8	k4.47
Nov. 28	6.24	Nov. 26	5.84	June 17	3.90	July 12	6.35
Dec. 29	6.34	Apr. 14, 1952	1.53	July 24	5.54	Aug. 9	7.90
Jan. 31, 1951	7.65	June 4	4.53	Aug. 24	6.20	Sept. 1	8.75
Feb. 21	8.06	July 14	6.06	Sept. 23	7.55	Oct. 6	10.22
Mar. 22	7.65	Aug. 15	7.39	Nov. 4	8.41	Nov. 1	10.71
Apr. 24	6.19	Nov. 1	7.42	Dec. 2	8.47	Dec. 6	10.40
May 21	5.92						

k Ponded water nearby.

113-64-31cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 44 feet. Land-surface datum is 1,332.0 feet above msl. Highest water level 0.35 below lsd, May 23, 1951; lowest 4.02 below lsd, Aug. 23, 1952. Records available: 1950-54. Jan. 12, 3.02; Feb. 5, 2.56; Mar. 11, 2.52; Apr. 5, 1.56; May 5, 1.09; July 13, 2.74; Aug. 9, 3.52. Measurement discontinued.

113-64-31cccc3. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 18 feet. Land-surface datum is 1,332.0 feet above msl. Highest water level 0.22 below lsd, May 23, 1951; lowest 3.70 below lsd, Sept. 17, 1950. Records available: 1950-54. Jan. 12, 2.84; Feb. 5, 1.97; Mar. 11, 1.47; Apr. 5, 1.35; May 5, 0.91; July 13, 2.49; Aug. 9, 3.42. Measurement discontinued.

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: 1950-54. Measurement discontinued.

Jan. 12	8.37	Mar. 11	7.46	May 5	3.17	July 13	4.57
Feb. 5	7.87	Apr. 5	4.78	June 8	k1.11	Aug. 9	6.60

k Ponded water nearby.

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 15.57 below lsd, Dec. 7, 1954. Records available: 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	14.83	Apr. 5	5.19	July 13	9.98	Oct. 7	14.70
Feb. 5	10.02	May 5	6.21	Aug. 9	12.56	Nov. 2	15.23
Mar. 11	12.31	June 8	7.45	Sept. 1	13.74	Dec. 7	15.57

Brown County

121-64-33dddd1. 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. Measurement discontinued.

122-64-36ccdd1. U. S. Bureau of Reclamation. Drilled observation water-table well in lake sediments of Pleistocene age, diameter 4 inches, depth 48 feet, perforations 6-48. Land-surface datum is 1,298.7 feet above msl. Highest water level 13.8 below lsd, July 3, 1953; lowest 21.78 below lsd, Feb. 27, 1953. Records available: 1953-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.6	19.9	h19.24	17.4	16.8	15.3	....	18.5	19.3	....	20.1	20.1
2	19.7	19.8	19.6	17.3	16.7	15.2	....	18.5	19.4	....	20.1	20.1
3	19.7	20.1	19.4	17.4	16.6	15.0	....	18.6	19.4	....	20.1	20.1
4	19.6	20.2	19.2	17.6	16.8	14.9	....	18.6	19.4	....	20.1	20.4
5	19.9	20.2	18.8	17.7	16.7	14.9	....	18.6	19.4	....	20.1	20.4
6	19.7	19.9	19.0	17.1	16.7	14.8	....	18.8	19.4	....	20.2	20.1
7	19.6	19.8	18.7	17.5	16.6	15.2	....	18.8	19.5	....	20.2	20.3
8	19.8	19.7	18.8	17.7	16.4	15.1	....	18.8	19.4	....	20.2	20.3
9	19.9	20.0	18.5	17.1	16.2	15.0	....	18.8	19.5	....	20.1	20.3
10	19.6	20.3	18.6	16.9	16.1	15.4	....	18.8	19.5	....	20.3	20.4
11	19.9	19.5	18.6	17.0	16.0	....	....	18.9	19.6	....	20.0	20.3
12	19.6	19.4	18.8	17.3	16.0	....	17.4	18.9	19.6	....	20.2	20.3
13	19.4	19.5	18.7	17.3	16.0	....	17.4	18.9	19.6	....	20.2	20.3
14	19.6	20.0	18.7	17.0	15.9	....	17.5	18.9	19.5	....	20.2	20.3
15	20.0	19.9	18.4	17.1	15.8	....	17.5	19.0	19.6	....	20.1	20.3
16	19.4	19.8	18.0	17.2	15.7	....	17.6	19.0	19.5	....	20.2	20.4
17	19.6	19.5	18.4	17.1	15.6	....	17.7	19.1	19.5	....	20.2	20.4
18	19.5	19.8	18.4	17.1	15.4	....	17.7	19.0	19.6	....	20.3	20.4
19	20.0	19.3	18.0	17.2	15.5	....	17.7	19.0	19.5	20.0	20.3	20.4
20	20.1	19.8	18.2	16.7	15.3	....	17.8	19.1	19.6	20.0	20.3	20.4
21	19.6	19.6	18.0	17.1	15.6	....	17.9	19.1	19.6	20.0	20.3	20.4
22	19.4	19.5	17.7	17.0	15.6	....	17.9	19.1	19.7	20.0	20.2	20.3
23	19.9	19.3	18.2	16.8	15.2	....	18.1	19.1	19.7	20.0	20.2	20.3
24	20.0	19.3	17.9	16.9	15.2	....	18.1	19.2	19.7	20.1	20.3	20.4
25	19.9	19.2	18.0	16.7	15.1	....	18.2	19.2	19.7	20.1	20.3	20.5
26	20.0	19.4	17.7	16.9	15.2	....	18.2	19.2	19.8	20.1	20.1	20.5
27	19.8	19.2	17.7	17.0	15.3	....	18.3	19.2	19.8	20.1	20.1	20.4
28	20.0	19.2	17.7	16.8	15.2	....	18.3	19.2	19.7	20.1	20.3	20.3
29	20.0		17.6	17.0	15.0	....	18.4	19.2	19.8	20.1	20.4	20.3
30	19.8		17.9	16.9	15.3	....	18.4	19.2	h19.90	20.1	20.4	20.2
31	19.9		17.7		15.1		18.4	19.3		20.1		20.4

h Tape measurement.

126-61-6aa1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter $\frac{3}{4}$ inch, depth 17 feet. Land-surface datum is 1,296.2 feet above msl. Highest water level 4.61 below lsd, May 27, 1952; lowest 9.16 below lsd, Nov. 19, 1954. Records available: 1950-54. Apr. 19, 6.46; May 24, 6.20; June 28, 7.04; Nov. 19, 9.16.

126-62-3bb1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter $\frac{3}{4}$ 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: 1950-54. Apr. 9, 7.75; May 24, 9.40; June 28, 10.03; Nov. 19, 12.90.

126-62-34ab1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter $\frac{3}{4}$ 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: 1950-54. Apr. 19, 5.28; May 24, 5.00; June 28, 5.40; Nov. 19, 6.95.

127-61-19dd1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 15 feet. Land-surface datum is 1,290.2 feet above msl. Highest water level 0.80 below lsd, June 1, 1951; lowest 6.26 below lsd, Apr. 2, 1953. Records available: 1950-54. May 24, 3.00; June 28, 3.94; Nov. 19, 6.11. Measurement discontinued.

128-61-26bbb1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 25 feet. Land-surface datum is 1,296.9 feet above msl. Highest water level 7.09 below lsd, May 27, 1952; lowest 13.46 below lsd, Nov. 19, 1954. Records available: 1950-54. Apr. 20, 10.78; May 25, 10.36; June 28, 10.49; Nov. 19, 13.46.

Charles Mix County

95-65-9aacd1. Formerly 95-65-9aa. U. S. Army, Corps of Engineers. Drilled unused artesian well in Codell sandstone member of Carlile shale, diameter 12 to 8 inches, depth 380 feet, cased to 350. Land-surface datum is 1,474.9 feet above msl. Highest water level 216.84 below lsd, Oct. 31, 1954; lowest 236.66 below lsd, Apr. 19, 1953. Records available: 1952-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	228.35	225.22	223.70	222.84	221.79	221.32	.....	219.88	219.13	217.78	217.16	217.46
2	228.40	.....	223.90	223.01	221.74	221.24	.....	219.85	219.10	217.72	217.17	217.22
3	228.32	225.03	224.10	222.96	221.81	221.38	.....	219.76	219.91	217.66	217.08	.....
4	228.39	225.04	224.08	222.77	221.72	221.20	.....	219.78	218.93	217.85	217.21	.....
5	228.25	225.01	223.97	222.62	221.65	221.05	.....	219.89	218.99	217.84	217.09	.....
6	228.07	225.07	223.84	222.66	221.53	221.00	.....	219.87	218.99	217.88	217.14	.....
7	227.75	224.99	224.02	222.87	221.58	221.08	.....	219.84	219.05	217.79	217.17	.....
8	227.43	224.76	223.88	222.82	221.57	221.07	.....	219.80	218.96	217.57	217.29	.....
9	227.53	224.63	223.90	222.56	221.61	221.05	.....	219.80	218.89	217.54	217.24	.....
10	227.10	224.66	223.72	222.73	221.57	220.94	.....	219.81	218.90	217.41	217.16	.....
11	227.11	224.90	223.69	222.82	221.49	221.91	.....	219.80	218.77	217.34	217.31	.....
12	226.90	224.52	223.70	222.66	221.46	220.98	.....	219.80	218.60	217.34	217.01	.....
13	226.55	224.35	223.96	222.37	221.42	220.90	.....	219.72	218.55	217.29	217.11	.....
14	226.49	224.28	223.99	222.25	221.40	220.84	.....	219.75	218.65	217.46	217.12	.....
15	226.50	224.49	224.05	222.44	221.42	220.83	.....	219.68	218.54	217.44	216.88	.....
16	226.56	224.55	223.85	222.51	221.40	220.73	.....	219.74	218.35	217.36	216.85	.....
17	226.35	224.45	223.57	222.31	221.44	220.79	.....	219.65	218.34	217.37	216.99	.....
18	226.30	224.26	223.38	222.32	221.38	220.87	.....	219.65	218.18	217.43	217.09	.....
19	226.21	224.35	223.54	222.40	221.40	.....	.....	219.61	218.21	217.37	217.07	.....
20	226.50	224.18	223.55	222.35	221.37	.....	.....	219.55	218.15	217.26	217.00	.....
21	226.46	224.38	223.37	222.35	221.26	.....	.....	219.48	218.28	217.27	217.08	.....
22	226.00	224.17	223.37	222.36	221.20	.....	.....	219.46	218.13	217.29	217.03	.....
23	225.70	224.24	223.27	222.10	221.18	.....	.....	219.48	218.00	217.20	216.98	.....
24	225.84	224.03	222.99	222.13	221.35	.....	.....	219.37	218.06	217.22	217.09	.....
25	225.71	224.01	223.07	221.94	221.38	.....	.....	219.25	218.06	217.15	217.12	.....
26	225.76	223.73	223.10	221.90	221.26	.....	.....	219.22	217.94	217.07	216.96	.....
27	225.64	223.90	223.02	224.01	.....	.....	.....	219.24	217.81	217.08	216.89	.....
28	225.39	223.83	223.02	221.84	.....	.....	.....	219.30	217.63	216.87	217.09	.....
29	225.39		222.93	221.86	221.28	.....	.....	219.30	217.75	216.94	217.29	.....
30	225.51		222.92	221.77	221.17	.....	.....	219.28	217.85	216.93	217.22	.....
31	225.31		222.94		221.39		h220.00	219.14		216.84		.....

h Tape measurement.

Codington County

117-52-5bb1. Desmond. Dug unused well in glacial drift, diameter 36 inches, depth 12 feet. Highest water level 1.94 below lsd, June 8, 1954; lowest 7.05 below lsd, Mar. 3, 1953. Records available: 1946-54. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	6.04	Mar. 23	4.88	May 18	4.94	July 22	5.93
Feb. 15	5.54	Apr. 7	5.10	June 8	1.94	Aug. 12	6.24
Mar. 2	5.21	27	4.84	30	4.77	31	5.84

Custer County

D-6-8-13aad1. 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 16.41 below lsd, Oct. 14, 1954. Records available: 1946-52, 1954. May 10, 16.01; Oct. 14, 16.41.

D-6-8-24ddc1. 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. Measurement discontinued.

D-6-8-26aac1. Owner unknown. Dug unused well, diameter 4 feet, depth 38 feet. Land-surface datum is 3,041.0 feet above msl. Highest water level 31.41 below lsd, July 2, 1947; lowest 37.48 below lsd, Sept. 5, 1946. Records available: 1946-52, 1954. May 10, 33.91; Oct. 14, 35.82.

D-6-9-8ccb1. U. S. Government. Dug unused well in terrace sand and gravel of Quaternary age, diameter 5 feet, depth 39 feet. Land-surface datum is 2,973.8 feet above msl. Highest water level 35.06 below lsd, June 28, 1949; lowest 35.90 below lsd, July 2, 1948. Records available: 1946-52, 1954. May 10, 35.65; Oct. 14, 35.87.

D-6-9-8dcc2. U. S. Government. Dug unused well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 21 feet. Land-surface datum is 2,965.3 feet above msl. Highest water level 16.33 below lsd, Dec. 10, 1947; lowest 18.07 below lsd, Oct. 14, 1954. Records available: 1946-52, 1954. May 10, 17.91; Oct. 14, 18.07.

D-6-9-18acc2. U. S. Government. Dug unused well in alluvial sand and gravel of Quaternary age, diameter 5 feet, depth 11 feet. Land-surface datum is 2,952.0 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, 1954. May 10, 8.27; Oct. 14, 8.52.

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 2,984.0 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. Measurement discontinued.

Davison County

103-61-13ca1. Formerly 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: 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	9.41	Apr. 22	8.67	Aug. 3	10.38	Nov. 5	8.80
Feb. 10	9.21	May 13	8.18	Sept. 1	9.45	23	8.65
Mar. 8	8.54	June 18	8.00	21	9.34	Dec. 22	8.88
23	7.68	July 14	9.66	Oct. 13	9.19		

Fall River County

D-7-7-25ccc1. U. S. Government. Dug unused well in alluvial sand and gravel of Quaternary age, diameter 4 feet, depth 13 feet. Land-surface datum is 3,067 feet above msl. Highest water level 10.28 below lsd, May 25, 1950; lowest 12.21 below lsd, Oct. 14, 1954. Records available: 1946-54. May 10, 10.55; Oct. 14, 12.21.

D-7-7-27bab1. C. Fleming. Dug unused well in alluvial sand and gravel of Quaternary age, diameter 4 feet, depth 22 feet. Land-surface datum is 2,954.8 feet above msl. Highest water level 17.28 below lsd, May 10, 1954; lowest 19.40 below lsd, July 2, 1948. Records available: 1946-54. May 10, 17.28; Oct. 14, 19.22.

D-7-8-11ccd1. 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. Measurement discontinued.

D-7-8-14cdd1. Ward Gamet. Drilled unused well in eolian sand of Quaternary age, diameter 24 inches, depth 58 feet. Land-surface datum is 3,064 feet above msl. Highest water level 48.01 below lsd, July 2, 1949; lowest 50.13 below lsd, Oct. 14, 1954. Records available: 1946-54. May 10, 48.31; Oct. 14, 50.13.

D-7-8-19cab1. W. G. Tice. Dug unused well in terrace sand and gravel of Quaternary age, diameter 25 inches, depth 16 feet. Land-surface datum is 3,041.3 feet above msl. Highest water level 12.83 below lsd, July 1, 1947; lowest 14.98 below lsd, Oct. 8, 1952. Records available: 1946-54. May 10, 13.72; Oct. 14, 14.03.

D-7-8-33bbb1. A. J. Segar. Dug unused well, diameter 4 feet, depth 26 feet. Land-surface datum is 3,156.7 feet above msl. Highest water level 16.52 below lsd, Sept. 26, 1949; lowest 23.45 below lsd, June 5, 1946. Records available: 1946-52, 1954. May 10, 17.37; Oct. 14, 22.01.

D-8-6-10daa1. 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. Measurement discontinued.

D-8-6-13bad1. H. J. Larson. Dug domestic well in eolian sand of Quaternary age, diameter 24 inches, depth 13 feet. Land-surface datum is 3,213.1 feet above msl. Highest water level 8.70 below lsd, Aug. 4, 1947; lowest 10.77 below lsd, Oct. 14, 1954. Records available: 1946-54. May 10, 10.52; Oct. 14, 10.77.

D-8-7-5acc1. E. Hagerman. Dug unused well in terrace sand and gravel of Quaternary age, diameter 36 inches, depth 49 feet. Land-surface datum is 3,116 feet above msl. Highest water level 34.46 below lsd, Oct. 14, 1954; lowest 45.62 below lsd, June 4, 1947. Records available: 1946-54. May 10, 34.55; Oct. 14, 34.46.

D-8-7-6dcd1. A. Mills. Dug domestic and stock well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 37 feet. Land-surface datum is 3,128 feet above msl. Highest water level 30.60 below lsd, May 10, 1954; lowest 36.80 below lsd, Oct. 14, 1954. Records available: 1946-54. May 10, 30.60; Oct. 14, 36.80.

D-8-7-7bbb2. Dewey Alders. Formerly H. Kneuple. Dug domestic and stock well in terrace sand and gravel of Quaternary age, diameter 4 feet, depth 16 feet. Land-surface datum is 3,110 feet above msl. Highest water level 2.22 below lsd, Oct. 14, 1954; lowest 7.98 below lsd, Aug. 7, 1946. Records available: 1946-54. Oct. 14, 2.22.

D-8-7-8dcc1. Hazel Reigler. Dug unused well in eolian sand of Quaternary age, diameter 36 inches, depth 21 feet. Land-surface datum is 3,232.0 feet above msl. Highest water level 14.89 below lsd, Dec. 29, 1949; lowest dry at 16.9, May 10, Oct. 14, 1954. Records available: 1946-54. May 10, dry at 16.9; Oct. 14, dry at 16.9.

Haakon County

A-1-25-6dd1. A. Elrod. Dug stock well, diameter 24 inches, depth 30 feet. Highest water level 20.40 below lsd, May 13, 1953; lowest 23.95 below lsd, Feb. 5, 1951. Records available: 1946-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	21.97	Mar. 24	21.93	May 25	22.00	Aug. 23	22.32
26	21.93	Apr. 13	21.92	July 17	22.00	Nov. 9	22.63
Feb. 18	22.05	May 4	21.90	28	22.20	Dec. 8	22.69
Mar. 9	21.98						

Hand County

112-66-36dddd1. Formerly 112-66-36dddd2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 24 feet. Land-surface datum is 1,406.9 feet above msl. Highest water level 14.00 below lsd, Apr. 18, 1952, May 4, 1953; lowest 18.10 below lsd, Dec. 14, 1949. Records available: 1948-54.

Feb. 3	15.13	June 7	14.07	Sept. 2	14.55	Nov. 4	14.53
Apr. 12	14.45	July 14	14.12	Oct. 8	14.53	Dec. 7	14.67
May 12	14.37	Aug. 10	14.45				

112-69-3dc1. C. Losey. Dug stock well in glacial drift, diameter 4 feet, depth 30 feet. Highest water level 2.41 below lsd, May 5, 1953; lowest 19.42 below lsd, Nov. 28, 1948. Records available: 1946-54.

Feb. 12	9.20	Apr. 29	7.32	Sept. 1	8.97	Nov. 2	9.77
Mar. 5	9.43	May 20	7.13	23	9.06	24	9.88
22	8.90	June 29	6.97	Oct. 21	9.17	Dec. 22	10.25
Apr. 8	7.33	July 22	7.82				

113-66-34cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter $1\frac{1}{4}$ inches, depth 40 feet. Land-surface datum is 1,410.5 feet above msl. Highest water level 1.50 below lsd, Apr. 14, 1952; lowest 7.37 below lsd, Oct. 31, 1952. Records available: 1950-54. Measurement discontinued.

Jan. 13	6.24	Mar. 11	6.14	May 5	4.39	July 13	5.58
Feb. 5	6.41	Apr. 5	4.50	June 8	k2.81	Aug. 9	6.91

k Ponded water nearby.

113-67-34cccc2. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 1¼ inches, depth 40 feet. Land-surface datum is 1,468.0 feet above msl. Highest water level 2.51 below lsd, Apr. 14, 1952; lowest 10.78 below lsd, Oct. 15, 1952. Records available: 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	8.70	Apr. 5	8.18	July 13	7.54	Oct. 7	8.85
Feb. 8	8.68	May 5	7.86	Aug. 9	8.29	Nov. 2	9.03
Mar. 11	8.72	June 8	7.26	Sept. 2	8.65	Dec. 7	9.15

115-66-2aaaa1. U. S. Bureau of Reclamation. Drilled observation artesian well in glacial drift, diameter 4 inches, depth 149 feet, cased to 62, perforations 40-61, seal set at 40. Land-surface datum is 1,359.65 feet above msl. Highest water level 19.98 below lsd, July 29, 1953; lowest 23.19 below lsd, Mar. 6, 1953. Records available: 1953-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	21.15	21.75	21.85	22.03	21.97	21.57	21.32	20.95	.....	21.60	22.23	22.55
2	21.60	21.65	22.17	22.18	21.95	21.60	21.24	21.02	21.34	21.47	22.00	22.22
3	21.30	21.57	22.20	22.28	21.92	21.67	21.31	21.07	21.34	21.52	21.96	22.15
4	21.55	21.73	22.20	21.97	21.83	21.57	21.26	21.01	21.24	21.82	22.12	22.14
5	21.70	21.85	22.03	21.80	21.75	21.40	21.25	21.17	21.39	21.53	21.91	22.54
6	21.53	21.95	21.78	21.89	21.82	21.35	21.06	21.15	21.35	21.90	21.97	22.38
7	21.50	21.82	22.05	22.07	21.82	21.45	21.22	21.13	21.48	21.59	22.10	22.10
8	21.55	21.57	21.65	22.20	21.85	21.50	21.17	21.07	21.35	21.47	22.26	22.15
9	21.84	21.53	21.73	21.80	21.91	21.50	21.04	21.08	21.40	21.53	22.17	22.35
10	21.47	21.77	21.63	22.15	21.82	21.42	21.03	21.15	21.45	21.46	22.05	22.23
11	21.83	22.15	21.70	22.30	21.77	21.45	21.03	21.14	21.37	21.46	22.37	22.53
12	21.68	21.50	21.93	22.13	21.70	21.49	21.20	21.13	21.25	21.62	21.88	22.45
13	21.35	21.42	22.13	21.80	21.60	21.37	21.07	21.05	21.35	21.80	22.17	22.04
14	21.47	21.40	22.16	21.68	21.65	21.30	21.25	21.10	21.50	21.92	22.05	22.28
15	21.73	21.95	22.25	21.97	21.75	21.38	21.23	21.01	21.46	21.98	21.85	22.13
16	21.84	21.87	21.89	22.02	21.76	21.28	21.10	21.23	21.30	21.90	21.85	22.25
17	21.32	21.85	21.72	21.85	21.80	21.47	21.10	21.04	21.42	21.97	22.07	22.27
18	21.47	21.58	21.85	22.12	21.73	21.59	21.08	21.10	21.23	22.07	22.24	22.45
19	21.70	21.87	22.05	22.07	21.73	21.42	21.03	21.13	21.32	22.02	22.17	22.46
20	22.00	21.62	22.10	21.97	21.57	21.37	21.08	21.07	21.45	21.88	22.05	22.33
21	21.93	21.86	21.87	22.04	21.54	21.33	21.07	21.05	21.65	21.97	22.25	22.37
22	21.43	21.90	22.02	22.04	21.50	21.43	21.15	21.13	21.52	21.93	22.13	22.19
23	21.63	21.77	21.92	21.73	21.54	21.23	21.15	21.22	21.35	21.92	22.12	22.43
24	21.77	21.74	21.63	22.00	21.79	21.25	21.12	21.13	21.57	22.00	22.26	21.19
25	21.82	21.50	22.12	21.75	21.67	21.31	21.15	21.13	21.57	22.02	22.23	22.30
26	21.83	21.77	21.97	21.78	21.57	21.45	21.07	21.13	21.50	22.02	22.00	22.53
27	21.83	21.99	22.07	21.83	21.44	21.23	20.97	21.25	21.46	22.02	22.95	22.65
28	21.67	21.74	22.12	21.66	21.42	21.17	21.06	21.35	21.28	21.87	22.16	22.52
29	21.97		22.10	21.92	21.55	21.33	21.09	.....	21.50	21.97	22.40	22.30
30	21.93		22.12	21.85	21.37	21.42	21.03	.....	21.69	22.02	22.37	22.44
31	21.72		22.14		21.63		21.13	.....		21.85		22.07

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 21.06 below lsd, Sept. 29, 1949. Records available: 1946-54. Feb. 11, 19.02. Measurement discontinued.

Marshall County

126-58-8cc1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 21 feet. Land-surface datum is 1,311.1 feet above msl. Highest water level 9.64 below lsd, Apr. 21, 1954; lowest 15.88 below lsd, Apr. 10, 1951. Records available: 1950-54. Apr. 21, 9.64; May 25, 12.38; June 29, 12.50; Nov. 20, 14.31.

126-59-12cd1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 24 feet. Land-surface datum is 1,299.9 feet above msl. Highest water level 4.97 below lsd, Apr. 20, 1954; lowest 8.85 below lsd, Nov. 20, 1950. Records available: 1950-54. Apr. 20, 4.97; May 25, 5.87; June 29, 6.51; Nov. 19, 8.15. Measurement discontinued.

127-58-19cc1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 15 feet. Land-surface datum is 1,291.6 feet above msl. Highest water level 1.89 below lsd, May 27, 1952; lowest 8.10 below lsd, Feb. 9, 1951. Records available: 1950-54. Apr. 20, 5.59; May 25, 4.95; June 29, 5.89; Nov. 20, 7.57.

127-59-33ad1. U. S. Geol. Survey. Drilled observation well in glacial drift, diameter ¾ inch, depth 21 feet. Land-surface datum is 1,289.4 feet above msl. Highest water level 3.88 below lsd, May 28, 1952; lowest 9.14 below lsd, Nov. 27, 1950. Records available: 1950-54. Apr. 20, 5.52; May 25, 5.47; June 29, 6.33; Nov. 20, 8.84.

Minnehaha County

101-49-33bb1. C. Donaldson. Dug unused well, 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: 1946-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	9.25	May 5	8.44	July 8	8.50	Oct. 14	9.01
Feb. 25	8.96	19	8.40	21	8.51	Nov. 10	9.06
Mar. 19	8.62	June 17	8.18	Sept. 15	8.75	Dec. 6	8.89

Pennington County

A-1-8-17ddd1. E. H. Hoff. Dug unused stock well in alluvial sand and gravel, diameter 5 feet, depth 16 feet. Highest water level 3.58 below lsd, May 19, 1950; lowest 15.60 below lsd, Jan. 21, 1953. Records available: 1946-54.

Jan. 29	14.00	Apr. 26	12.09	July 24	13.00	Oct. 21	13.18
Feb. 25	14.1	May 25	9.61	Aug. 20	9.27	Nov. 18	14.68
Mar. 31	13.9	June 21	8.83	Sept. 17	11.76	Dec. 17	14.65

A-1-14-5ab1. M. Trask. Formerly A. Trople. Dug stock well, diameter 36 inches, depth 14 feet. Highest water level 1.54 below lsd, Mar. 9, 1949; lowest 7.80 below lsd, Dec. 8, 1949. Records available: 1946-54.

Jan. 14	4.5	Mar. 31	3.2	July 13	5.4	Nov. 15	5.29
Feb. 10	3.25	May 11	3.3	Sept. 16	7.30	Dec. 7	6.46
Mar. 9	4.1	June 21	4.3	Oct. 19	6.98		

Sanborn County

108-61-31bc1. George Doering. Drilled domestic artesian well in Niobrara formation, diameter 3 inches, depth 150 feet. Highest water level 6.16 below lsd, June 13, 1946; lowest 11.56 below lsd, Oct. 15, 1952. Records available: 1946-47, 1949-54. Feb. 9, 10.48; June 24, 10.17; Nov. 4, 10.82.

108-62-1cc1. Mrs. A. Nielson. Formerly 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: 1947-54. Feb. 9, 46.30; June 24, 45.91; Nov. 4, 47.06.

Spink County

114-64-11bbbb1. U. S. Bureau of Reclamation. Drilled observation well in glacial drift, diameter 4 inches, depth 60 feet, perforations 20-60. Land-surface datum is 1,310.8 feet above msl. Highest water level 3.98 below lsd, June 20-July 2, 1953; lowest 7.21 below lsd, Sept. 3, 1954. Records available: 1953-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.65	5.86	5.60	5.36	5.18	5.17	4.75	6.59	....	6.59	6.62	6.72
2	5.65	5.84	5.66	5.38	5.16	5.17	4.75	c6.66	c7.21	6.59	6.64	6.71
3	5.67	5.83	5.68	5.38	5.16	5.19	4.76	c6.71	7.21	6.56	6.60	6.68
4	5.68	5.83	5.69	5.35	5.15	5.19	4.77	....	7.14	....	6.62	6.67
5	5.69	5.83	5.69	5.31	5.13	5.18	4.75	....	7.05	....	6.61	6.71
6	5.71	5.83	5.65	5.29	....	5.17	4.74	....	6.93	6.64	6.60	6.72
7	5.70	5.83	5.65	5.31	5.12	4.90	c4.76	c6.71	6.89	6.62	6.61	6.71
8	5.69	5.78	5.65	5.32	5.13	4.85	c4.91	c6.70	6.81	6.58	6.64	6.68
9	5.73	5.73	5.62	5.26	5.13	4.81	c5.02	c6.71	6.75	6.58	6.65	6.69
10	5.75	5.71	5.59	5.29	5.14	4.79	5.13	....	6.73	6.57	6.64	6.70

114-64-11bbbb1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	5.75	5.75	5.59	5.33	5.13	4.77	5.14	....	6.70	6.55	6.67	6.73
12	5.77	5.75	5.54	5.30	5.11	4.78	5.13	....	6.64	6.53	6.64	6.75
13	5.74	5.68	5.57	5.26	5.12	4.78	5.10	....	6.61	6.55	6.63	6.71
14	5.72	5.65	5.59	5.23	5.12	4.76	c5.13	....	6.62	6.57	6.65	6.70
15	5.73	5.66	5.64	5.24	5.12	4.75	c5.17	....	6.65	6.59	6.61	6.70
16	5.77	5.68	5.66	5.26	5.12	4.73	c5.23	....	6.71	6.59	6.59	6.69
17	5.78	5.69	5.60	5.23	5.14	4.76	c5.32	....	6.69	6.60	6.61	6.70
18	5.74	5.66	5.56	5.24	5.14	4.71	....	....	6.62	6.62	6.63	6.72
19	5.74	5.65	5.55	5.25	5.14	4.68	....	....	6.61	6.63	6.64	6.74
20	5.79	5.63	5.55	5.26	5.12	4.67	....	....	6.60	6.62	6.63	6.73
21	5.83	5.66	5.53	5.24	5.11	4.63	c5.96	....	6.62	6.62	6.64	6.74
22	5.82	5.63	5.49	5.25	5.11	4.65	c6.14	....	6.62	6.62	6.65	6.72
23	5.75	5.65	5.48	5.25	5.11	4.65	c6.34	....	6.59	6.62	6.63	6.73
24	5.79	5.63	5.42	5.22	5.15	4.65	....	....	6.60	6.62	6.65	6.73
25	5.80	5.63	5.38	5.24	5.16	4.66	....	....	6.60	6.62	6.66	6.73
26	5.83	5.59	5.41	5.20	5.16	4.69	....	....	6.60	6.60	6.62	6.75
27	5.84	5.61	5.39	5.20	5.12	4.68	c6.25	....	6.59	6.61	6.60	6.78
28	5.85	5.62	5.39	5.20	5.10	4.68	....	....	6.58	6.58	6.62	6.78
29	5.85		5.39	5.17	5.13	4.71	....	....	6.58	6.60	6.65	6.76
30	5.87		5.39	5.18	5.11	4.75	c6.50	....	6.60	6.60	6.70	6.72
31	5.88		5.39		5.15		....	....		6.59		6.68

c Nearby well being pumped.

114-64-11bbbb2. U. S. Bureau of Reclamation. Drilled observation water-table well in glacial drift, diameter 1 inch, depth 20 feet, perforations 12-20, seal set at 12. Land-surface datum is 1,311.0 feet above msl. Highest water level 5.13 below lsd, May 21, 1953; lowest 8.23 below lsd, Mar. 9, 1953. Records available: 1953-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 9, 1953	8.23	Apr. 6, 1954	6.39	July 12, 1954	6.65	Sept. 30, 1954	7.81
Apr. 23	6.57	30	6.43	14	6.64	Oct. 8	7.89
May 21	5.13	May 7	6.28	27	6.92	Nov. 4	8.01
July 31	5.75	28	6.46	Aug. 6	7.18	29	7.90
Nov. 30	7.23	June 10	6.19	Sept. 2	7.73	Dec. 10	8.05
Mar. 1, 1954	6.82	30	6.29	3	7.75	29	7.95
29	6.42						

115-62-7ddddl. U. S. Bureau of Reclamation. Drilled observation well in lake sediments of Pleistocene age, diameter 1¼ inches, depth 25 feet. Land-surface datum is 1,294.1 feet above msl. Highest water level 23.60 below lsd, July 1, 1949; lowest 25.5 below lsd, Mar. 1, 1949. Records available: 1948-54. Apr. 8, 24.23; May 12, 24.20; June 10, 24.17; July 9, 24.23; Sept. 20, 24.20; Oct. 18, 24.20; Nov. 5, 24.35.

115-63-4aaaa1. U. S. Bureau of Reclamation. Drilled observation water-table well in lake sediments of Pleistocene age, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,293.8 feet above msl. A correction of 0.20 foot should be subtracted from all measurements for the year 1950. Highest water level 10.80 below lsd, July 26, Aug. 26, 1948; lowest 17.60 below lsd, Sept. 22, 1950. Records available: 1948-54. Apr. 13, 13.25; May 12, 13.18; June 14, 13.17; July 15, 13.03; Sept. 20, 13.80; Oct. 18, 14.02; Nov. 5, 14.24.

115-65-28aaaa1. U. S. Bureau of Reclamation. Drilled artesian observation well in glacial drift, diameter 8 inches, depth 107 feet, cased to 105, perforations 58-105, seal set at 58. Land-surface datum is 1,340.4 feet above msl. Highest water level 22.02 below lsd, June 27, 1953; lowest 24.46 below lsd, Nov. 9, 1951. Records available: 1951-54.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	h23.07	22.92	22.77	22.64	22.72	c22.80	23.67	23.76	23.75	23.75	23.81
2	.....	23.06	22.97	22.78	22.64	22.72	c22.89	23.62	23.72	23.74	23.76	23.79
3	.....	23.06	22.97	22.79	22.64	22.74	c23.07	23.56	23.73	23.74	23.73	23.77
4	.....	23.05	22.98	22.76	22.64	22.74	c23.10	23.52	23.71	23.75	23.75	23.77
5	.....	23.06	22.97	22.72	22.64	22.72	c23.02	23.52	23.72	23.75	23.73	23.79
6	.....	23.06	22.93	22.72	22.62	22.72	c23.07	23.52	23.72	23.80	23.74	23.80
7	.....	23.06	22.96	22.74	22.62	22.57	c23.19	23.49	23.72	23.76	23.75	23.78
8	.....	23.04	22.92	22.76	22.63	22.63	23.15	c23.62	23.72	23.74	23.78	23.76
9	.....	23.01	22.93	22.71	22.64	22.64	23.08	c23.78	23.70	23.74	23.78	23.77
10	.....	23.00	22.69	22.74	22.65	22.65	23.06	c23.90	23.70	23.74	23.77	23.78

115-65-28aaaa1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	23.03	22.88	22.78	22.64	22.63	23.05	c23.80	23.69	23.73	23.80	23.80
12	.....	23.02	22.83	22.77	22.64	22.65	23.05	c23.84	23.68	23.69	23.75	23.83
13	.....	22.96	22.85	22.73	22.63	22.66	23.03	24.11	23.69	23.71	23.75	23.78
14	.....	22.95	22.89	22.70	22.63	22.65	23.05	23.97	23.70	23.72	23.77	23.78
15	.....	22.96	22.91	22.70	22.65	22.66	c23.06	23.88	23.70	23.72	23.73	23.79
16	.....	22.99	22.91	22.74	22.66	22.65	c23.05	c23.79	23.67	23.72	23.72	23.78
17	.....	22.99	22.86	22.71	22.68	22.69	c23.26	c23.81	23.68	23.72	23.74	23.78
18	.....	22.97	22.85	22.71	22.68	22.66	c23.33	c23.90	23.66	23.72	23.76	23.79
19	.....	22.96	22.87	22.75	22.69	22.66	c23.25	c23.94	23.67	23.72	23.76	23.80
20	.....	22.96	22.90	22.74	22.67	22.66	c23.35	c24.02	23.67	23.72	23.76	23.80
21	.....	22.97	22.86	22.73	22.67	22.64	c23.44	c24.04	23.71	23.72	23.77	23.80
22	.....	22.95	22.86	22.75	22.67	22.66	c23.50	24.05	23.70	23.72	23.77	23.80
23	.....	22.96	22.85	22.72	22.67	22.65	c23.73	24.04	23.69	23.72	23.74	23.80
24	.....	22.95	22.79	22.73	22.74	22.66	23.63	23.97	23.70	23.72	23.77	23.81
25	.....	22.95	22.75	22.74	22.75	22.67	23.53	23.90	23.71	23.72	23.79	23.80
26	.....	22.90	22.79	22.65	22.73	22.72	c23.46	23.83	23.71	23.71	23.75	23.82
27	.....	22.92	22.79	22.68	22.70	22.71	c23.41	23.82	23.70	23.71	23.75	23.85
28	.....	22.94	22.79	22.67	22.70	22.72	c23.54	23.78	23.69	23.70	23.75	23.85
29	.....		h22.78	22.63	22.69	22.75	c23.67	23.78	23.71	23.73	h23.80	h23.83
30	.....		22.77	h22.65	22.68	22.78	23.77	23.78	23.73	23.73	23.80	23.83
31	.....		22.77		22.71		23.82	23.78		23.72		23.80

c Nearby well being pumped.
h Tape measurement.

116-63-36dddd1. 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, 1954. Apr. 13, 24.54; May 12, 24.51; June 14, 24.47; July 9, 24.46. Measurement discontinued.

116-64-3db1. 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: 1946-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	11.28	Apr. 8	10.71	June 30	10.23	Oct. 20	11.57
Feb. 11	11.26	28	10.60	July 21	10.52	Nov. 3	11.63
Mar. 3	10.91	May 19	10.70	Aug. 11	11.00	23	11.71
25	10.74	June 8	10.60	Sept. 22	11.59	Dec. 21	11.87

119-64-3bbbb1. U. S. Bureau of Reclamation. Drilled observation well in lake sediments of Pleistocene age, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,292.2 feet above msl. Highest water level 9.69 below lsd, June 14, 1954; lowest dry, Feb. 21, Mar. 21, 1950. Records available: 1948-52, 1954. Apr. 13, 11.62; May 11, 10.23; June 14, 9.69; July 15, 11.54. Measurement discontinued.

120-63-6bbbb1. U. S. Bureau of Reclamation. Drilled observation well in lake sediments of Pleistocene age, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,297.4 feet above msl. Highest water level 16.52 below lsd, July 15, 1954; lowest 21.00 below lsd, Apr. 20, 1950. Records available: 1948-52, 1954. Apr. 4, 16.87; May 11, 16.76; June 14, 16.59; July 15, 16.52; Oct. 12, 17.10; Nov. 9, 17.30.

120-63-31ccdd1. U. S. Bureau of Reclamation. Drilled observation water-table well in lake sediments of Pleistocene age, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,296.9 feet above msl. Highest water level 18.38 below lsd, July 15, 1954; lowest 22.30 below lsd, Apr. 20, 1950. Records available: 1948-52, 1954. Apr. 13, 18.84; May 11, 18.80; June 14, 18.59; July 15, 18.38. Measurement discontinued.

120-64-16dddd1. U. S. Bureau of Reclamation. Drilled observation water-table well in lake sediments of Pleistocene age, diameter 1¼ inches, depth 26 feet. Land-surface datum is 1,293.2 feet above msl. Highest water level 13.12 below lsd, June 14, 1954; lowest dry, Mar. 21, Apr. 20, May 22, 1950. Records available: 1948-52, 1954.

Apr. 13	13.60	June 14	13.12	Sept. 8	18.18	Nov. 9	18.91
May 11	13.39	July 15	14.19	Oct. 12	18.70	Dec. 20	19.06

120-65-36dddd1. U. S. Bureau of Reclamation. Drilled observation well in lake sediments of Pleistocene age, diameter 1¼ inches, depth 24 feet. Land-surface datum is 1,295.0 feet above msl. Highest water level 1.65 below lsd, Apr. 18, 1952; lowest 10.50 below lsd, Feb. 21, 1950. Records available: 1948-54. Dec. 2, 1953, 5.80; Jan. 5, 1954, 5.92; Apr. 1, 3.89; Apr. 13, 3.95; May 6, 3.71; June 7, 3.82; July 15, 4.22. Measurement discontinued.

Union County

95-50-8ab1. J. J. Dolan. Dug unused well in sand and gravel of Pleistocene age, diameter 24 inches, depth 42 feet. Highest water level 0.51 below lsd, Apr. 11, 1947; lowest 11.20 below lsd, Mar. 2, 1949. Records available: 1936-44, 1946-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	9.00	May 5	4.05	Aug. 4	5.35	Oct. 20	6.97
Mar. 3	7.46	June 17	4.57	25	6.09	Nov. 1	6.97
Apr. 23	7.60	July 8	4.73	Sept. 9	6.37	Dec. 6	7.36

Walworth County

121-76-2dc2. Norman Anderson. Dug stock well in alluvial sand and gravel, diameter 18 inches, depth 15 feet. Highest water level 3.25 below lsd, June 20, 1953; lowest 11.10 below lsd, Sept. 27, 1949. Records available: 1947, 1949-54.

Jan. 11	6.50	Apr. 26	5.40	Aug. 10	a9.40	Nov. 4	7.03
Mar. 1	9.31	May 17	5.52	30	8.33	22	6.70
28	5.74	July 2	5.65	Sept. 21	6.62	Dec. 18	6.93
Apr. 6	8.68	20	6.53	Oct. 19	6.76		

a Pumping.

Yankton County

93-56-14aa1. Mrs. J. N. Kayser. Drilled well, depth 80 feet. Highest water level 37.52 below lsd, June 26, 1951; lowest 47.52 below lsd, June 11, 1947. Records available: 1946-54.

Jan. 19	45.30	Apr. 20	45.90	July 23	42.05	Oct. 19	43.75
Feb. 18	45.35	May 12	45.55	Aug. 19	43.82	Nov. 24	44.75
Mar. 29	45.96	June 20	45.40	Sept. 20	43.60	Dec. 17	44.50

WISCONSIN

By K. F. Anderson and R. E. Audini

Scope of Water-Level Program

The observation-well program was continued in 1954 in cooperation with the University of Wisconsin. The program included 252 wells, 5 with nonrecording gages, and 32 with recording gages. The State Conservation Department measured 9 wells in the northern part and 5 wells in the southwestern part of the State. Four wells in northern Forest County and one in Marinette County, all near the Michigan boundary, were measured as a part of ground-water studies in the Northern Peninsula of Michigan. Figures 42 to 46 show the location of observation wells throughout Wisconsin. Areal studies of ground-water resources were continued in Outagamie, Portage, and Fond du Lac Counties, and in the lead-zinc area of southwestern Wisconsin. A new study was begun in Waushara County.

Precipitation and Temperature

The normal annual precipitation in Wisconsin is 30.33 inches. The total for 1954 was 35.97 inches, 5.64 inches above normal and 6.02 inches above that for 1953. Precipitation was greater than normal during April, May, June, and early July, and again in September and October. The only prolonged dry spell occurred during late July and early August.

The average temperature in 1954 was 44.7° F. which was 1.3° above the annual average of 43.4° and 1.0° below 1953. The average temperature for February 1954 rose to a new alltime record, almost 13° above normal. This was the first year in 61 years of Wisconsin weather observation that February was warmer than March. Temperatures for the rest of the year were very close to normal, except during May which averaged 5.0° below normal.

Pumpage

Statewide industrial pumpage for 1954 was not as great as the previous year. An increase in municipal pumpage at Green Bay more than offset the industrial decrease in that area, and total pumpage was heavier than in 1953. In the Milwaukee-Waukesha area, municipal water use was only slightly greater than in 1953. This increase was not enough to counterbalance the industrial decrease, consequently total pumpage for 1954 was less than for 1953. Irrigation pumps were turned on for only short periods during late July, early August, and early September. Pumpage was considerably less than in 1953, owing to more regular and heavier rains during the growing season.

Interpretation of Water-Level Fluctuations

Static water levels in three artesian wells penetrating the sandstone aquifer are shown in figure 47. The fluctuations of the water level in Brown County well Bn 9 in Green Bay are a direct result of pumping in the area. Increased pumpage in 1954 caused a decline in water level to a new low on August 6, about 6 feet below the previous record low. Changes in pumping in the Milwaukee area are reflected in the fluctuations of well Ml 36. The water level in this well did not decline to the alltime low of 1953, indicating that ground-water pumpage in 1954 was not as heavy as in 1953. Kenosha County well Ke 6 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 expanding.

Hydrographs of static water levels in four water-table wells are shown in figure 48. 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 the accumulated snow cover, its rate of melting, spring rains, and whether the ground is frozen. Lack of precipitation during the winter and excessive rainfall during late spring, early summer, and early fall reversed the usual water-level trend in water-table wells. Under normal conditions, water levels are highest in the spring and decline through the rest of the year, except for periods when local precipitation may cause a temporary rise. Water levels in 1954 generally declined until summer and reached highest levels for the year in fall and early winter.

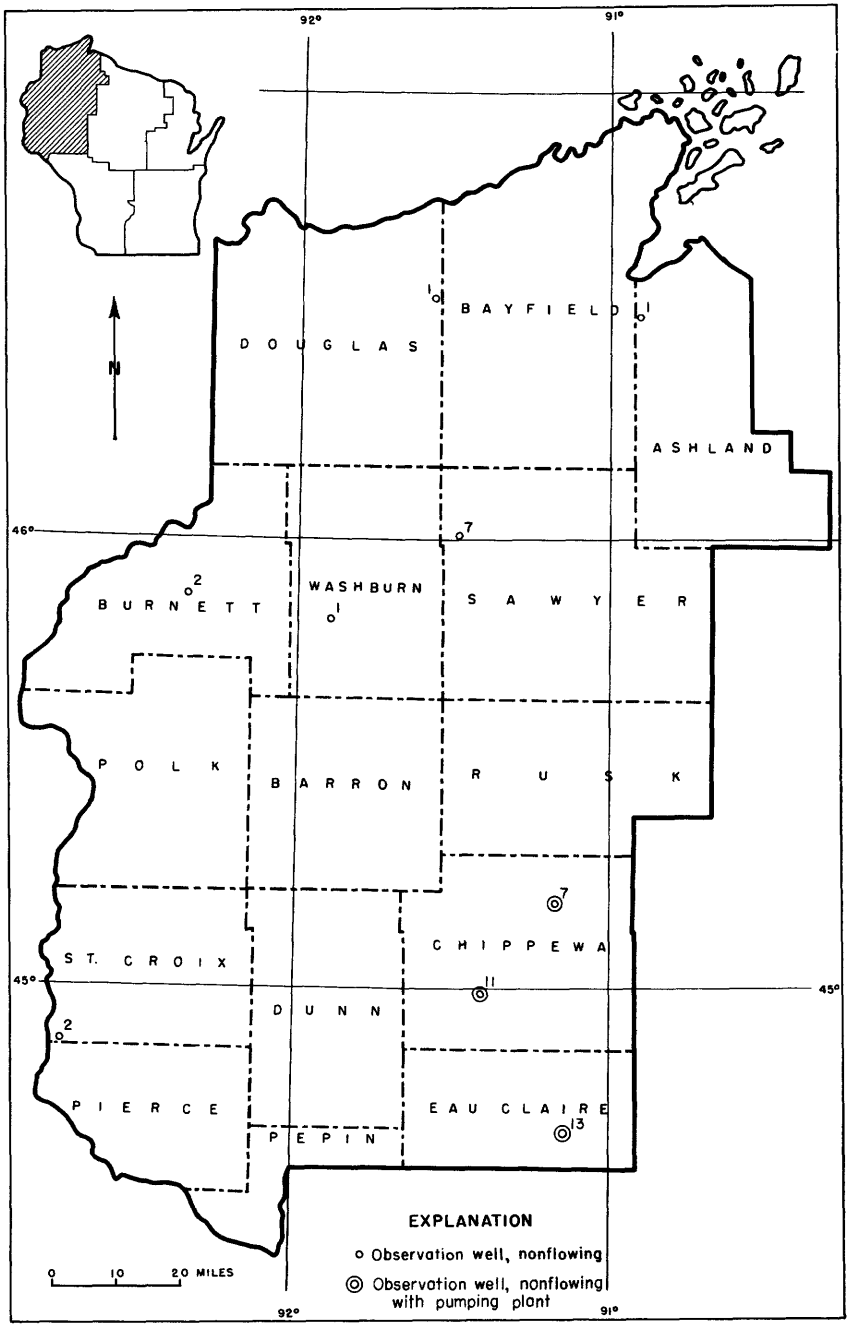


Figure 42. --Location of observation wells in northwestern Wisconsin, 1954.

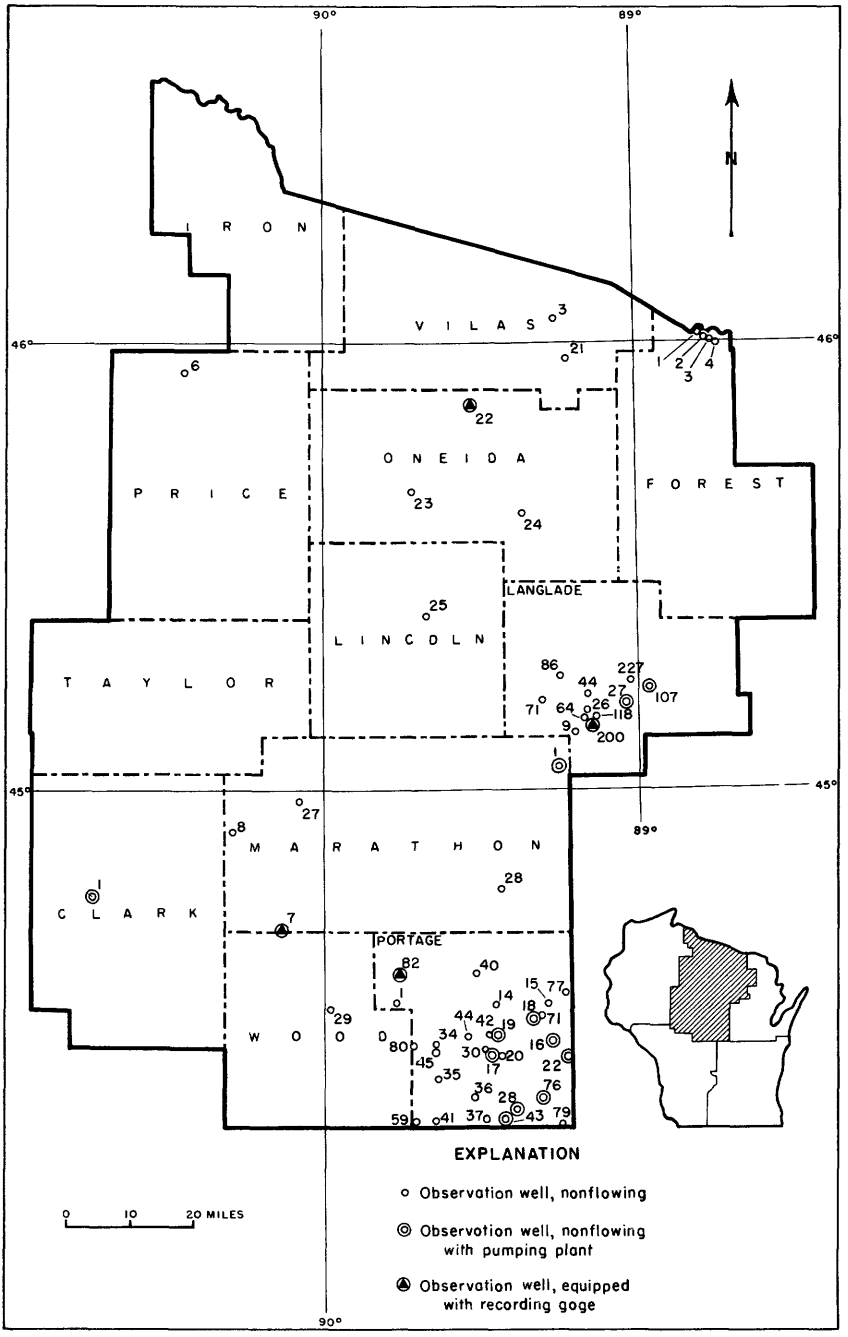


Figure 43. --Location of observation wells in north-central Wisconsin, 1954.

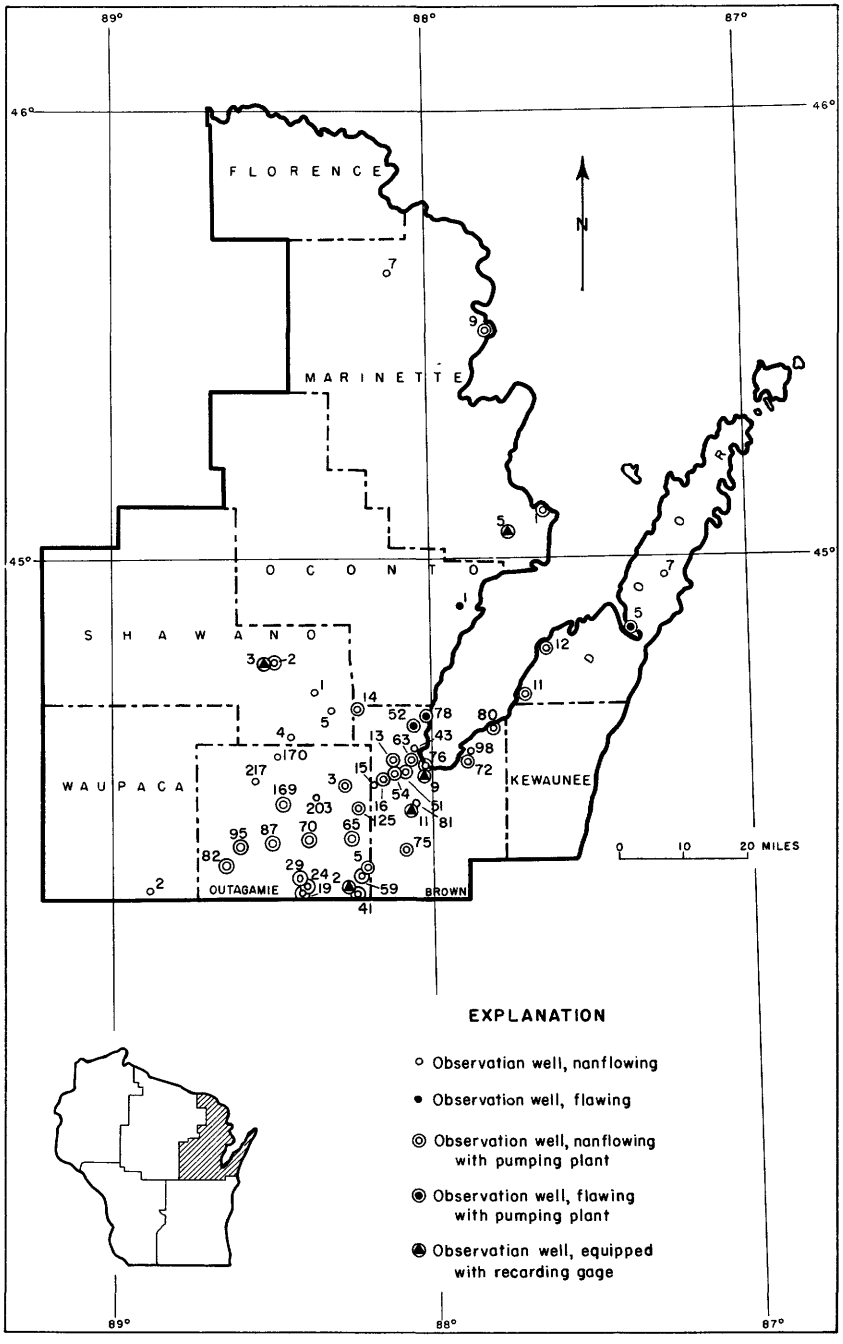


Figure 44. --Location of observation wells in northeastern Wisconsin, 1954.

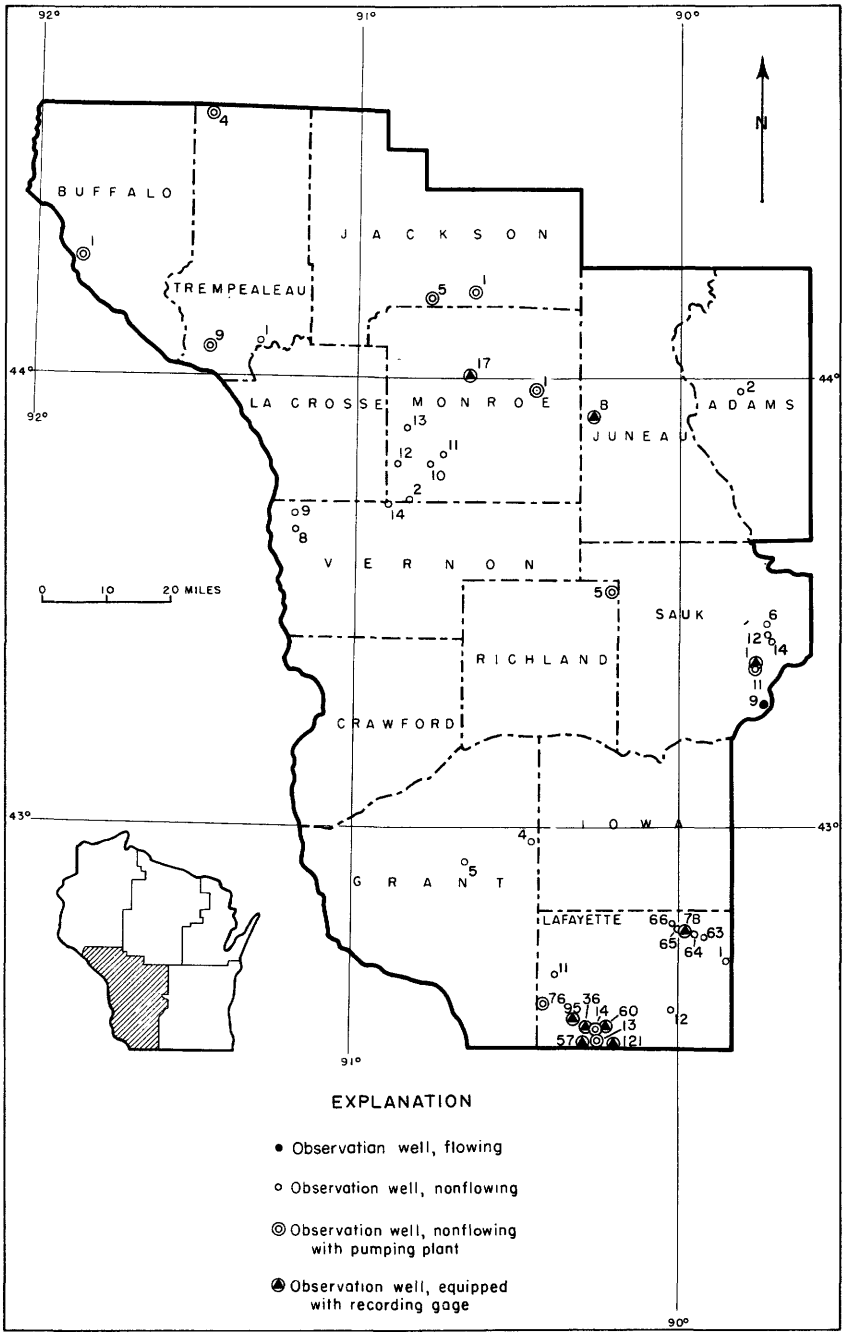


Figure 45.--Location of observation wells in southwestern Wisconsin, 1954.

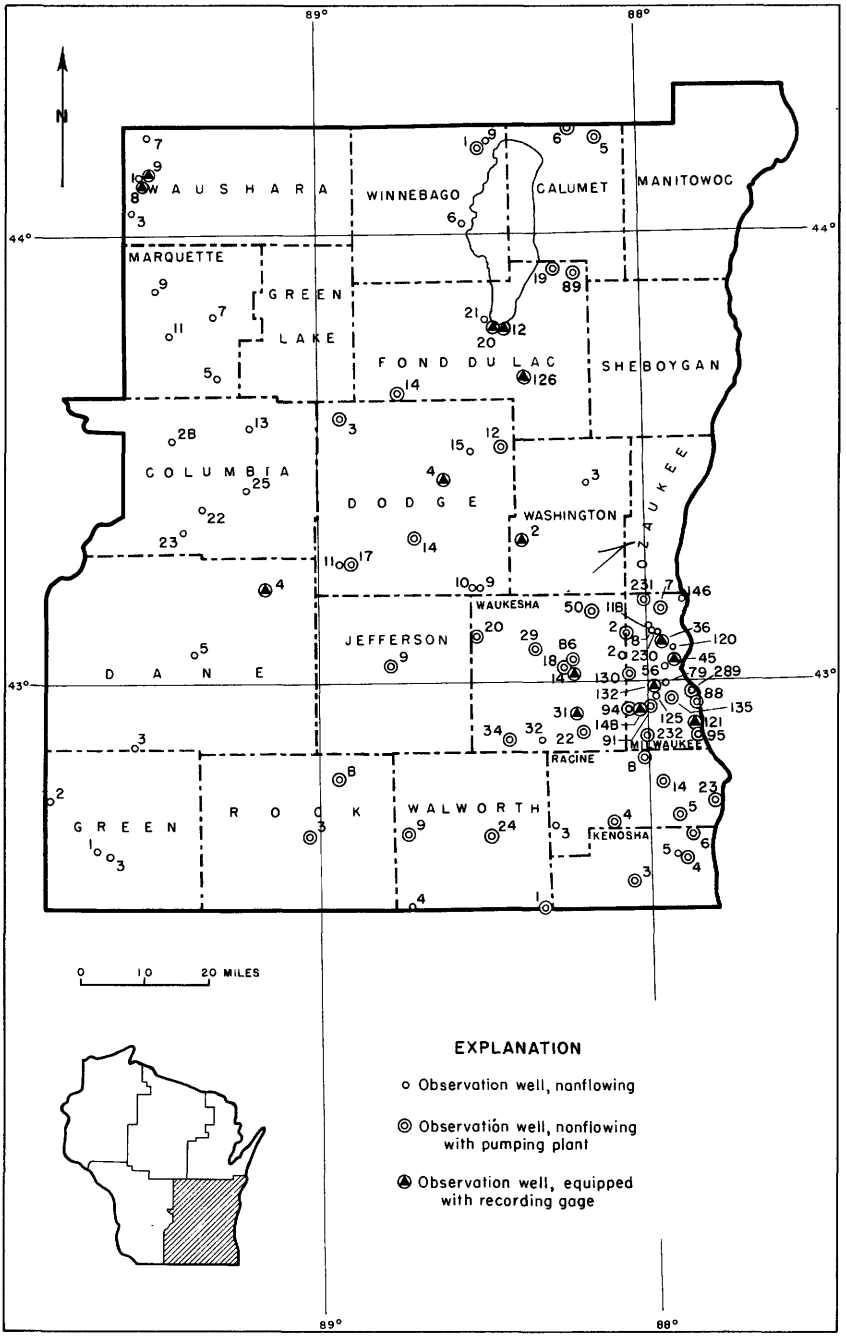


Figure 46. --Location of observation wells in southeastern Wisconsin, 1954.

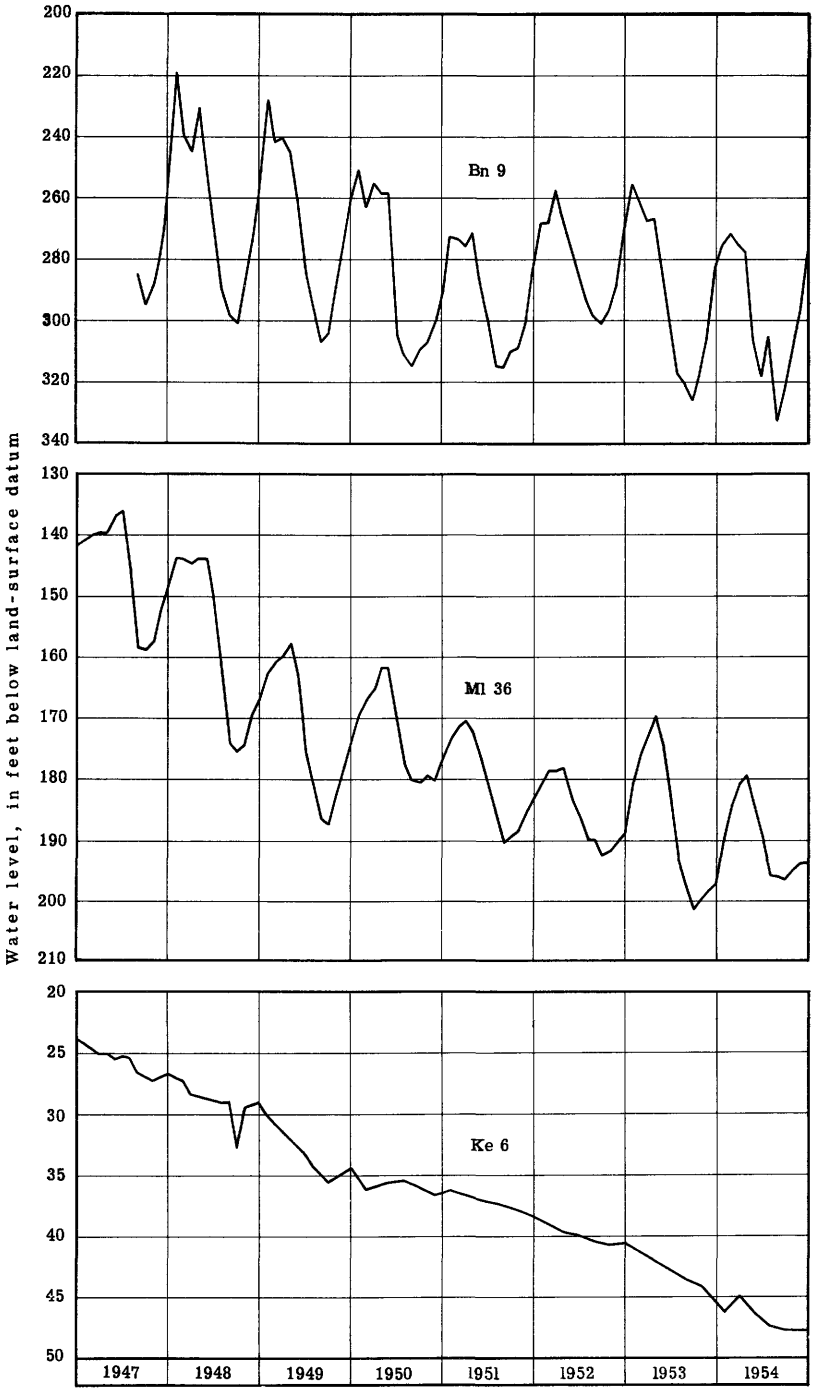


Figure 47. --Water levels in wells Bn 9, Ml 36, and Ke 6 in eastern Wisconsin.

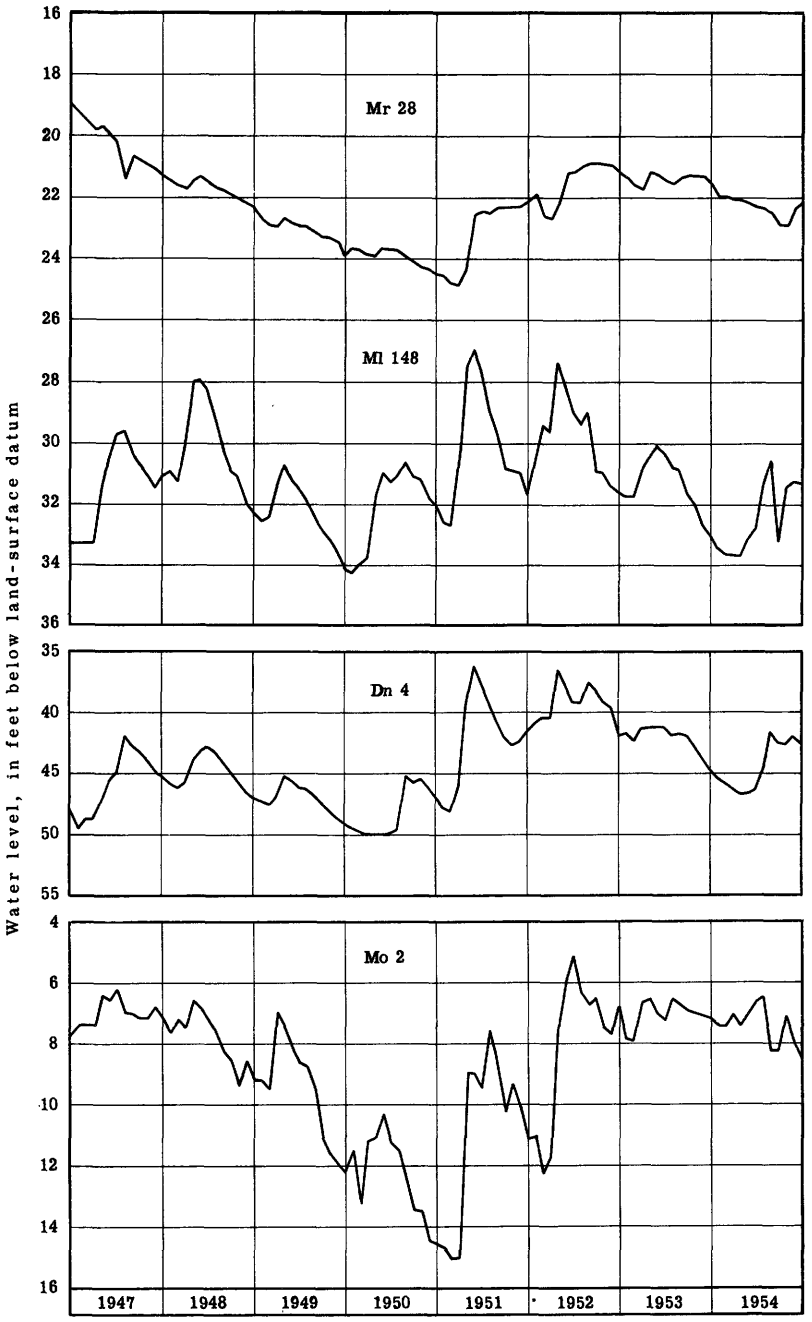


Figure 48. --Water levels in wells Mr 28, Ml 148, Dn 4, and Mo 2, Wisconsin.

Well-Numbering System

Wells are numbered consecutively within each county The counties are designated by a two-letter abbreviation derived from the county name. For example, Bn 9 designates well 9 in Brown County.

Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum unless otherwise indicated. When some measurements in a table are above and others below the plane of reference, a plus (+) or minus (-) sign is placed immediately before the first entry in each column of each mixed table. Readings between 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 16.69 below lsd, May 3, 1954. Records available: 1952-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	15.74	Mar. 29	16.61	July 19	15.33	Oct. 11	14.43
11	15.71	May 3	16.69	26	15.16	18	14.27
20	15.90	10	16.59	Aug. 2	15.05	25	14.22
25	15.98	17	16.44	9	14.96	Nov. 3	13.93
Feb. 1	16.05	24	16.57	16	14.90	8	13.87
8	16.19	June 1	16.26	23	14.85	15	13.77
15	16.21	7	16.26	31	14.83	24	13.68
22	16.27	15	16.07	Sept. 7	14.83	29	13.65
Mar. 1	16.35	21	15.91	13	14.83	Dec. 6	13.60
9	16.43	28	15.89	20	14.77	13	13.60
15	16.50	July 5	15.76	27	14.68	20	13.59
21	16.57	12	15.54	Oct. 4	14.59	29	13.61

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, 1947-54.

Jan. 4	2.31	Apr. 5	2.30	June 28	2.20	Sept. 13	2.93
13	2.33	12	2.02	July 5	2.61	27	2.75
19	2.27	19	2.05	12	2.69	Oct. 4	2.54
25	2.29	26	1.91	20	3.13	18	2.05
Feb. 1	2.30	May 4	1.55	27	3.23	Nov. 1	2.15
7	2.24	17	2.15	Aug. 2	3.21	15	2.39
15	2.25	24	1.41	9	3.29	29	2.25
22	2.11	31	1.78	16	3.35	Dec. 6	2.39
Mar. 8	2.29	June 7	2.27	23	3.23	13	2.35
22	2.10	14	2.15	30	3.27	27	2.30
29	2.13	21	2.00				

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 332.59 below lsd, Aug. 6, 1954. Records available: 1947-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	268.00	265.97	268.92	272.77	277.29	.....	.....	.....	.....	310.10	295.00	277.12
2	267.56	266.26	270.15	272.13	273.18	.....	.....	.....	.....	305.65	295.00	278.65
3	264.49	265.10	269.56	275.78	275.17	.....	.....	.....	.....	301.55	293.84	275.18
4	266.70	266.39	272.07	267.71	278.05	305.27	.....	.....	.....	306.38	294.81	271.17
5	271.90	266.67	272.61	272.44	277.82	.....	.....	332.52	.....	305.65	296.45	267.93

Bn 9--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	275.00	265.69	272.59	271.99	278.43	.....	.....	332.59	.....	304.58	293.40	.....
7	275.37	.....	267.80	270.58	279.50	303.29	302.97	.....	.....	306.00	289.48	.....
8	274.39	265.20	270.29	271.99	279.70	308.88	303.77	.....	322.82	303.54	292.90	.....
9	272.45	267.00	270.35	274.90	274.05	311.74	.....	.....	.....	303.08	290.42	.....
10	270.83	269.00	268.55	273.14	275.04	312.70	305.30	.....	322.35	300.41	290.73	.....
11	272.69	268.77	272.55	268.70	277.81	314.72	299.10	.....	319.16	299.92	292.15	.....
12	268.72	268.59	272.21	270.40	279.60	313.92	300.07	.....	316.05	300.31	290.52	.....
13	267.93	269.26	271.35	269.80	271.07	.....	.....	.....	.....	302.81	286.55	.....
14	274.33	265.60	267.05	273.06	280.50	314.12	.....	.....	.....	302.30	282.60	270.11
15	270.36	265.91	271.10	273.89	282.65	317.22	.....	.....	.....	297.48	283.44	270.87
16	269.82	264.40	271.50	270.10	278.80	317.66	.....	.....	.....	300.90	283.30	271.00
17	266.12	263.58	270.05	271.14	285.30	317.96	.....	.....	.....	301.43	285.50	272.38
18	269.18	266.87	268.00	268.09	299.60	.....	.....	.....	.....	301.50	287.50	270.54
19	269.60	266.68	267.01	273.03	301.80	.....	.....	.....	.....	302.90	288.65	267.36
20	272.99	266.43	267.03	274.40	306.20	.....	.....	.....	313.42	303.82	288.42	270.18
21	269.95	263.70	272.44	274.42	.....	.....	.....	.....	313.77	298.40	286.26	272.51
22	270.41	269.97	264.49	275.14	.....	.....	.....	.....	314.41	303.10	288.11	271.47
23	270.10	269.00	266.60	277.12	.....	.....	.....	.....	310.89	300.48	289.02	271.16
24	264.90	268.03	270.95	271.30	.....	.....	.....	.....	312.69	297.36	284.22	267.92
25	266.32	267.80	267.63	266.00	.....	.....	.....	.....	308.42	301.26	279.69	264.53
26	268.05	271.48	267.80	268.05	.....	.....	.....	.....	304.62	296.52	282.72	260.84
27	268.01	271.82	270.81	269.44	.....	.....	.....	.....	308.03	294.96	279.47	253.17
28	269.32	268.71	264.97	270.50	.....	.....	.....	.....	311.12	297.65	275.22	265.91
29	269.53		267.20	273.82	.....	.....	.....	.....	310.63	298.43	276.30	265.80
30	267.48		271.33	275.86	.....	.....	.....	.....	311.50	294.51	277.52	265.42
31	261.85		274.18		.....		.....	.....		294.13		263.72

Bn 11. City of De Pere. Broadway and George Sts. Drilled unused artesian well in sandstone, diameter 12 inches, reported depth 835 feet. Land-surface datum is 612 feet above msl. Highest water level 85.32 below lsd, May 12, 1947; lowest 157.60 below lsd, July 30, 1954. Records available: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	143.89	.....	.....	141.59	141.51	143.65	151.92	153.05	153.98	153.42	150.61	152.78
2	143.87	.....	142.27	141.40	139.83	144.34	150.44	153.83	155.60	152.36	151.11	152.93
3	143.38	.....	142.51	141.63	140.77	143.60	149.50	153.27	154.66	151.29	152.05	152.39
4	143.71	.....	142.55	140.77	141.22	143.68	148.42	153.37	153.45	152.30	152.69	152.79
5	.....	.....	142.76	139.81	141.13	143.75	148.62	155.62	153.09	152.68	153.03	152.00
6	.....	.....	142.44	140.74	142.59	143.35	148.48	155.54	.....	152.68	153.16	152.79
7	.....	.....	141.61	140.84	144.46	143.72	148.78	156.80	155.64	153.00	152.36	152.57
8	.....	.....	142.30	141.37	142.35	145.72	149.20	155.50	154.53	152.19	153.60	152.42
9	.....	.....	142.42	141.31	141.11	146.40	149.30	154.18	154.18	151.82	153.57	152.20
10	.....	.....	142.23	141.56	141.80	147.18	149.02	154.12	153.90	150.73	154.05	152.25
11	.....	.....	142.11	141.13	141.89	146.43	148.29	153.52	154.10	151.79	154.10	152.00
12	.....	.....	141.65	142.08	142.48	147.59	150.38	154.04	153.10	151.78	155.07	151.17
13	.....	.....	141.48	142.19	143.31	147.00	151.03	154.11	153.28	151.97	153.30	151.68
14	.....	.....	140.63	142.59	143.28	147.03	151.50	154.31	153.81	151.30	151.87	151.66
15	.....	142.22	141.65	141.30	143.65	148.88	151.92	152.65	154.94	151.79	151.80	151.55
16	.....	141.93	141.63	141.39	142.17	147.10	152.31	153.70	154.47	151.25	151.87	151.72
17	.....	.....	141.31	141.28	143.50	149.32	153.12	154.38	154.38	150.40	152.35	150.84
18	.....	.....	140.99	140.53	143.00	148.22	151.51	154.02	153.21	151.35	152.86	150.93
19	.....	.....	140.58	141.64	144.25	147.65	152.99	154.20	152.42	151.45	152.95	150.50
20	.....	.....	141.31	141.63	144.64	146.42	153.25	154.93	153.88	151.39	152.28	151.36
21	.....	.....	140.27	141.63	145.20	147.10	153.15	155.01	153.51	151.30	151.43	151.21
22	.....	.....	140.60	141.77	147.00	147.10	154.30	153.79	153.60	151.64	152.53	151.27
23	.....	.....	141.39	141.95	145.35	147.27	153.62	154.20	153.68	151.48	152.48	151.24
24	.....	.....	140.75	141.51	146.80	147.72	154.98	155.12	153.98	150.39	152.49	152.19
25	.....	.....	141.00	140.49	147.53	147.25	153.19	153.88	153.40	151.16	151.61	150.15
26	.....	.....	141.30	140.91	147.50	147.81	154.94	154.12	151.13	150.42	152.06	150.14
27	.....	.....	141.04	140.92	145.70	146.78	155.95	153.80	153.40	149.81	151.42	150.60
28	.....	.....	140.11	141.28	145.02	148.32	156.80	153.89	153.24	151.62	150.81	150.65
29	.....		141.21	141.71	145.88	149.70	157.54	152.92	152.90	152.50	152.28	150.43
30	.....		141.26	141.53	145.10	150.60	157.60	153.96	153.26	152.85	153.38	150.46
31	.....		141.21		143.23		154.67	154.22		150.97		150.19

Bn 13. William Herber. SW¼NE¼ sec. 18, T. 24 N., R. 20 E. Drilled stock artesian well in St. Peter sandstone and Platteville formation, diameter 6 inches, reported depth 250 feet, cased to 90. Land-surface datum is 681 feet above msl. Highest water level 12.13 below lsd, June 25, 1947; lowest 20.84 below lsd, Dec. 9, 1949. Records available: 1947-54. Jan. 7, 20.31; Mar. 4, 19.06; May 5, 16.36; July 8, 16.24; Sept. 9, 19.30; Nov. 17, 16.45.

Bn 14. Village of Pulaski. NW¼NE¼ sec. 6, T. 25 N., R. 19 E. Drilled municipal artesian well in sandstone, diameter 12 inches, reported depth 330 feet, cased to 118. Land-surface datum is 803 feet above msl. Highest water level 31.89 below lsd, May 29, 1947; lowest 41.92 below lsd, Sept. 9, 1954. Records available: 1947-51, 1953-54. Jan. 7, 39.60; Mar. 4, 39.83; May 5, 39.71; Sept. 9, 41.92; Nov. 18, 38.40.

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: 1947-54. Jan. 7, 19.91; Mar. 4, 18.50. Measurement discontinued.

Bn 16. Frank Vandehei. 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 37.30 below lsd, Sept. 9, 1954. Records available: 1947-54. Mar. 4, 31.30; May 5, 30.95; July 8, 32.24; Sept. 9, 37.30; Nov. 17, 36.11.

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 53.16 below lsd, Sept. 8, 1954. Records available: 1948-54. Jan. 6, 44.37; Mar. 3, 41.40; May 4, 39.89; July 7, 42.90; Sept. 8, 53.16; Nov. 17, 49.43.

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 126.06 below lsd, Sept. 9, 1954. Records available: 1948-54. Jan. 7, 124.31; Mar. 4, 122.62; May 5, 121.76; July 8, 123.22; Sept. 9, 126.06; Nov. 17, 124.78.

Bn 52. Suamico Dairy and Locker Co. NE¼NE¼ sec. 22, T. 25 N., R. 20 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 540 feet. Land-surface datum is 606 feet above msl. Highest water level 7.00 above lsd, Sept. 22, 1949; lowest 2.00 below lsd, Sept. 8, 1954. Records available: 1948-54. Jan. 6, 1.32; Mar. 3, 1.75; May 4, +0.4; July 7, +0.65; Sept. 8, 2.00; Nov. 17, 1.80.

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 99.93 below lsd, Sept, 9, 1954. Records available: 1946-54. Jan. 7, 96.07; Mar. 4, 97.68; May 5, 97.58; July 8, 98.37; Sept. 9, 99.93; Nov. 17, 99.38.

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 184.50 below lsd, Sept. 6, 1954. Records available: 1946-54. Jan. 6, 151.15; Mar. 3, 148.57; May 4, 153.88, July 7, 165.32; Sept. 8, 184.50; Nov. 17, 172.83.

Bn 72. Gregoire Denis. NE¼SE¼ sec. 13, T. 24 N., R. 21 E. Drilled domestic artesian well in sandstone, diameter 8 to 6 inches, reported depth 1,006 feet, cased to 400. Land-surface datum is 735 feet above msl. Highest water level 233 below lsd, Feb. 8, 1950; lowest 270.5 below lsd, Sept. 8, 1954. Records available: 1949-54. Jan. 6, 267.0; Mar. 3, 264.0; July 7, 265.0; Sept. 8, 270.5; Nov. 16, 270.0.

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 112.87 below lsd, Nov. 16, 1954. Records available: 1949-54. Jan. 5, 110.66; May 3, 111.12; July 6, 110.46; Sept. 7, 112.63; Nov. 16, 112.87.

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 232.32 below lsd, Sept. 6, 1954. Records available: 1950-54. Jan. 6, 202.64; Mar. 3, 197.35; May 4, 199.27; July 7, 217.24; Sept. 8, 232.32; Nov. 17, 213.44.

Bn 78. Carl Jenkins. SW¼SW¼ sec. 7, T. 25 N., R. 21 E. Drilled domestic artesian well in sandstone, diameter 6 inches, reported depth 198 feet. Highest water level 20.5 above lsd, Sept. 22, 1949; lowest 3.9 above lsd, Jan. 6, 1954. Records available: 1949-54. Jan. 6, 3.9; Mar. 3, 4.2; May 4, 6.0; July 7, 8.5; Sept. 8, 9.5; Nov. 17, 8.8.

Bn 80. J. C. Pennings. NW¼SW¼ sec. 14, T. 25 N., R. 22 E. Drilled domestic artesian well in sandstone, diameter 8 inches, reported depth 1,043 feet. Highest water level 130.36 below lsd, Oct. 6, 1949; lowest 148.89 below lsd, Nov. 16, 1954. Records available: 1949-54. Jan. 6, 147.72; Mar. 3, 147.65; May 4, 147.17; July 7, 147.18; Sept. 8, 148.37; Nov. 16, 148.89.

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: 1949-54. Jan. 5, 103.05; Mar. 2, 103.03; May 3, 102.47; July 6, 102.22; Sept. 7, 103.07; Nov. 16, 102.66.

Bn 98. State Highway Commission. Green Bay. SW¼SE¼NW¼ sec. 7, T. 24 N., R. 22 E. Drilled unused artesian well in sandstone of Cambrian age, diameter 5 inches, reported depth 1,000 feet, cased to 225. Highest water level 221.37 below lsd, Mar. 17, 1953; lowest 234.95 below lsd, Nov. 16, 1954. Records available: 1953-54. Jan. 6, 233.59; Mar. 3, 229.36; May 4, 227.83; July 7, 228.90; Sept. 8, 233.72; Nov. 16, 234.95.

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: 1947-54. Feb. 9, 29.59; Mar. 23, 29.51; June 9, 29.03; Aug. 11, 28.85; Oct. 19, 29.13.

Burnett County

Bt 2. Wisconsin Conservation Department. NE¼NE¼ sec. 17, T. 39 N., R. 16 W. Drilled unused water-table well in sand of Pleistocene age, diameter 8 inches, depth 46 feet. Land-surface datum is 980 feet above msl. Highest water level 31.16 below lsd, July 20, 1952; lowest 34.99 below lsd, Mar. 25, 1951. Records available: 1937-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	32.97	Mar. 31	32.96	June 25	32.99	Oct. 2	32.74
9	32.97	Apr. 3	33.05	30	32.99	9	32.70
16	33.00	10	33.03	July 3	32.93	16	32.64
23	32.99	17	33.08	10	32.84	23	32.64
30	33.00	24	33.06	17	32.91	30	32.65
Feb. 1	33.03	30	30.60	24	32.93	Nov. 6	32.66
6	32.98	May 1	31.15	31	32.94	13	32.65
13	32.97	8	32.50	Aug. 7	32.90	20	32.66
20	32.97	15	33.02	14	32.87	27	32.63
27	32.99	22	33.03	21	32.86	Dec. 4	32.63
Mar. 1	32.99	29	32.86	28	32.88	11	32.60
6	32.99	June 5	32.94	Sept. 4	32.84	18	32.64
13	32.97	12	32.93	11	32.84	25	32.63
20	33.07	19	32.98	25	32.74	31	32.65
27	32.98						

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 166.04 below lsd, Mar. 2, 1954. Records available: 1947-54. Jan. 5, 113.59; Mar. 2, 166.04; May 3, 109.28; July 6, 109.50; Sept. 7, 110.16; Nov. 15, 109.80.

Ca 6. Fall River Canning Co. NW¼SW¼ sec. 2, T. 20 N., R. 19 E. Drilled industrial well in Platteville formation, diameter 12 to 8 inches, reported depth 1,050 feet, cased to 270. Highest water level 172.36 below lsd, Apr. 7, 1953; lowest 179.70 below lsd, Nov. 15, 1954. Records available: 1952-54. Jan. 5, 175.79; Mar. 2, 175.52; May 3, 177.28; Nov. 15, 179.70.

Chippewa County

Ch 7. Brunet Island State Park. SE¼NW¼ sec. 7, T. 31 N., R. 6 W. Drilled public-supply water-table well in drift of Pleistocene age, diameter 6 inches, reported depth 39 feet, cased to 29, screen 29-39. Highest water level 19.68 below lsd, June 9, 1954; lowest 21.04 below lsd, Nov. 19, 1953. Records available: 1953-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 8, 1953	19.73	Sept. 16, 1953	20.86	Mar. 23, 1954	20.33	Aug. 11, 1954	20.14
June 3	19.72	Nov. 19	21.04	June 9	19.68	Oct. 19	19.95
30	19.80	Feb. 9, 1954	20.17				

Ch 11. University Colony. NE¼SE¼ sec. 18, T. 29 N., R. 8 W. Drilled domestic and public-supply water-table well in drift of Pleistocene age, diameter 6 inches, depth 90 feet, cased to 78, screen 78-90. Highest water level 38.43 below lsd, Aug. 11, 1954; lowest 41.34 below lsd, Mar. 23, 1954. Records available: 1953-54.

Apr. 9, 1953	40.54	Sept. 16, 1953	40.46	Feb. 9, 1954	40.97	June 9, 1954	39.53
June 3	40.75	Nov. 19	40.60	Mar. 23	41.34	Aug. 11	38.43
July 1	40.80						

Clark County

Ck 1. Wisconsin Conservation Department. North Mound Tower. SE¼SE¼ sec. 4, T. 26 N., R. 3 W. Drilled domestic artesian well in sandstone of Cambrian age, diameter 6 inches, reported depth 150 feet, cased to 53. Highest water level 65.1 below lsd, Oct. 13, 1953; lowest 67.8 below lsd, July 7, 1954. Records available: 1953-54.

May 4, 1953	66.23	Sept. 8, 1953	65.6	Nov. 10, 1953	66.7	June 10, 1954	66.91
June 3	65.95	15	65.6	17	66.8	July 7	67.8
July 1	65.65	16	65.75	19	66.23	14	66.9
21	65.11	22	65.7	26	66.2	30	66.
29	66.00	29	65.9	Feb. 10, 1954	66.89	Aug. 12	66.79
Aug. 4	65.8	Oct. 6	65.6	Mar. 24	67.27	Sept. 1	66.11
11	65.7	13	65.1	Apr. 12	67.2	9	66.70
18	65.4	21	65.2	19	67.5	20	66.90
25	65.5	20	66.	May 10	67.	28	66.90
Sept. 1	65.5	Nov. 4	66.3	28	66.9	Oct. 21	66.82

Columbia County

Co 13. F. Stollfus. SE¼SW¼ sec. 29, T. 13 N., R. 11 E. Drilled unused water-table well in sandstone, diameter 6 inches, depth 72 feet. Highest water level 53.69 below lsd, Mar. 11, 1952; lowest 60.47 below lsd, Nov. 3, 1953. Records available: 1949-54. Jan. 5, 55.60; Mar. 2, 56.07; May 3, 55.98; July 6, 55.97; Aug. 30, 55.88; Nov. 9, 56.40.

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: 1949-54. Jan. 5, 51.45; Mar. 2, 52.08; May 3, 52.43; July 6, 52.62; Aug. 30, 51.90; Nov. 9, 51.82.

Co 23. H. Storanot. SE¼NE¼ sec. 16, T. 10 N., R. 9 E. Drilled unused artesian well in sandstone, diameter 6 inches. Highest water level 136.47 below lsd, May 3, 1954; lowest 144.25 below lsd, Jan. 10, 1950. Records available: 1949-54. Jan. 5, 136.59; Mar. 2, 136.70; May 3, 136.47; July 6, 136.52; Aug. 30, 137.15; Nov. 9, 137.70.

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: 1949-54. Mar. 2, 75.34; Aug. 30, 74.87; Nov. 9, 74.71.

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: 1949-54. Jan. 5, 1.85; Mar. 2, 2.09; May 3, 0.65; July 8, 0.36; Aug. 30, 1.62; Nov. 9, 0.96.

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: 1946-54. Jan. 25, 63.36; Mar. 17, 64.14; June 2, 63.77; July 26, 60.43; Oct. 7, 61.52.

Dn 4. Joseph N. Hanley. NW¼NE¼ sec. 34, T. 9 N., R. 11 E. Sun Prairie. Drilled unused water-table well in St. Peter sandstone, diameter 6 inches, depth 70 feet. Land-surface datum is 966 feet above msl. Highest water level 26.64 below lsd, Mar. 19, 1952; lowest 50.04 below lsd, Mar. 29, 1950. Records available: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	44.51	45.15	45.85	46.42	46.62	46.46	44.71	41.32	41.59	42.50	41.17	41.84
2	44.60	45.20	45.88	46.58	46.61	46.46	44.65	41.20	41.61	42.45	41.36	41.83
3	44.79	45.38	45.98	46.65	46.47	46.46	44.62	41.29	41.71	42.37	41.28	41.60
4	44.60	45.37	46.00	46.53	46.46	44.44	44.20	41.29	41.68	42.51	41.29	41.77
5	44.57	45.47	45.98	46.41	46.30	45.46	44.10	41.32	41.77	42.52	41.29	42.06
6	44.71	45.60	45.91	46.40	46.35	45.81	44.13	41.32	41.76	42.70	41.22	42.10
7	44.70	45.59	46.01	46.62	46.38	46.00	35.50	41.27	41.82	42.70	41.29	42.00
8	44.68	45.34	46.04	46.76	46.37	46.01	40.40	41.19	41.89	42.42	41.40	41.70
9	44.84	45.34	45.91	46.63	46.43	45.88	41.80	41.17	41.83	42.28	41.42	41.90
10	44.87	45.59	45.94	46.57	46.42	45.82	42.30	41.31	41.89	42.24	41.39	42.01
11	44.59	45.82	46.02	46.70	46.35	45.74	42.35	41.33	41.93	41.32	41.41	42.06
12	.....	45.82	46.05	46.72	46.43	45.69	42.09	41.31	41.96	42.25	41.41	42.13
13	.....	45.49	46.06	46.50	46.41	45.70	42.07	41.31	41.95	42.30	41.22	42.05
14	.....	45.43	46.22	46.38	46.39	45.60	41.87	41.22	41.96	42.09	41.35	41.88
15	.....	45.41	46.30	46.47	46.32	45.52	41.90	41.29	42.03	42.05	41.33	42.05
16	.....	45.46	46.33	46.54	46.31	45.56	41.83	41.37	42.03	41.93	41.22	42.07
17	.....	45.74	46.22	46.55	46.38	45.60	41.65	41.37	42.02	42.08	41.26	41.93
18	.....	45.79	46.08	46.63	46.37	45.60	41.49	41.26	42.03	42.10	41.30	42.13
19	.....	45.82	46.13	46.75	46.41	45.52	41.49	41.36	41.99	42.00	41.30	42.26
20	.....	45.74	46.28	46.79	46.44	45.48	41.42	41.44	42.03	41.79	41.36	42.27
21	.....	45.69	46.31	46.68	46.39	45.38	41.44	41.46	42.23	41.60	41.41	42.31
22	.....	.....	46.20	46.74	46.39	45.39	41.43	41.44	42.31	41.59	41.44	42.10
23	.....	.....	46.30	46.77	46.42	45.39	41.41	41.43	42.34	41.55	41.29	42.34
24	.....	.....	46.28	46.72	46.40	45.17	41.41	41.45	42.25	41.54	41.44	42.43
25	.....	.....	46.34	46.76	46.44	44.98	41.44	41.48	42.27	41.34	41.59	42.33
26	.....	45.66	46.44	45.66	46.48	44.93	41.42	41.49	42.23	41.34	41.53	42.47
27	.....	45.77	46.40	45.00	46.34	44.93	41.35	41.48	42.25	41.34	41.35	42.50
28	45.31	45.81	46.40	45.06	46.27	44.83	41.28	41.55	42.31	41.08	41.52	42.50
29	45.14		.....	45.79	46.48	44.71	41.32	41.54	42.37	41.13	41.95	42.40
30	45.42		46.40	46.23	46.54	44.66	41.33	41.60	42.50	41.23	41.99	42.45
31	45.39		46.41		46.37		41.35	41.58		41.23		42.40

Dn 5. State of Wisconsin. South wing of State Capitol Bldg. NE¼NE¼ sec. 23, T. 7 N., R. 9 E. Drilled unused artesian well in sandstone of Cambrian age, diameter 8 inches, reported depth 1,015 feet. Highest water level 83.60 below lsd, July 13, 1954; lowest 105.28 below lsd, July 21, 1946. Records available: 1946-54. Jan. 13, 86.00; Mar. 9, 85.62; May 10, 83.76; July 13, 83.60; Sept. 17, 84.84.

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: 1946-54. Jan. 8, 10.91; Mar. 5, 11.32; May 5, 10.78; July 8, 10.69; Sept. 10, 12.08; Nov. 18, 8.08.

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 114.40 below lsd, Dec. 26, 1954; lowest 122.57 below lsd, Sept. 18, 1953. Records available: 1947-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	119.10	.....	119.13	119.80	116.95	116.65	118.43	116.83	117.78	116.42	116.53	115.11
2	119.56	.....	119.19	119.93	116.26	116.90	117.88	117.16	118.48	116.33	116.29	115.38
3	119.03	.....	120.11	119.85	116.00	116.70	116.99	117.51	118.48	115.90	116.49	115.26
4	119.10	.....	119.30	119.20	116.10	116.65	116.26	117.70	117.51	115.87	116.39	114.97
5	119.86	.....	119.25	119.01	116.51	116.54	116.18	117.86	117.67	116.10	116.41	115.01

Dg 4--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	119.17	.....	119.85	119.67	116.59	116.45	116.18	118.39	117.58	116.41	116.41	115.51
7	120.10	.....	119.91	118.79	116.30	116.60	116.32	117.99	117.86	116.40	115.38	115.10
8	119.31	.....	119.23	119.48	116.43	116.91	116.59	118.20	117.53	116.37	116.19	115.51
9	119.10	.....	119.29	118.65	116.17	116.82	117.07	117.56	117.90	116.05	115.31	115.24
10	119.84	.....	119.28	118.59	116.70	117.28	117.41	117.55	117.79	115.58	116.17	115.28
11	119.35	.....	120.12	119.38	116.41	116.98	117.51	117.54	117.51	115.83	115.74	115.34
12	119.48	.....	119.27	118.71	117.00	117.02	117.72	117.33	.....	116.30	115.64	115.31
13	.....	.....	119.83	119.30	116.56	117.01	118.04	.....	.....	116.37	115.40	115.45
14	.....	.....	119.65	118.70	117.50	117.33	118.37	.....	.....	116.22	115.89	114.97
15	.....	.....	120.20	118.55	116.92	117.76	118.63	.....	.....	.....	115.41	115.11
16	.....	.....	119.40	119.45	116.50	116.96	118.62	.....	.....	.....	115.44	115.66
17	.....	.....	119.31	118.49	117.09	117.03	118.73	.....	.....	.....	115.83	114.99
18	.....	.....	120.00	118.43	117.19	117.15	118.53	.....	.....	.....	115.50	115.25
19	.....	.....	119.10	119.31	116.80	117.00	118.50	.....	.....	.....	115.46	114.99
20	.....	.....	119.80	118.22	116.90	116.73	118.30	.....	.....	.....	115.80	115.41
21	.....	.....	119.06	118.70	117.40	116.15	117.76	.....	.....	.....	115.16	115.61
22	.....	.....	119.91	119.51	117.05	116.46	118.00	.....	.....	.....	115.85	115.01
23	.....	.....	119.21	118.42	117.15	116.93	117.65	.....	.....	.....	115.10	115.10
24	.....	.....	119.20	118.21	117.22	117.50	118.00	.....	.....	.....	115.60	115.35
25	.....	119.80	119.63	118.86	117.32	118.10	117.48	.....	.....	.....	115.00	115.00
26	.....	119.15	119.20	117.80	117.22	118.34	117.82	117.20	.....	.....	115.46	115.13
27	.....	119.06	119.85	117.30	117.49	118.50	118.41	117.40	116.90	.....	114.24	115.10
28	.....	119.77	118.88	117.38	117.10	118.40	117.59	117.84	117.38	116.08	115.05	115.27
29	.....		.....	116.98	116.92	118.50	117.80	117.53	116.80	116.30	115.07	115.17
30	.....		119.84	117.00	116.90	118.20	117.52	117.63	116.70	116.39	115.60	114.86
31	.....		119.30		117.19		117.30	117.73		116.05		114.90

Dg 9. *Ashippun Fire Department.* $SE\frac{1}{4}SE\frac{1}{4}$ 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: 1946-54. Jan. 13, 13.85; Mar. 9, 13.28; May 10, 9.09; July 13, 6.23; Sept. 14, 8.13; Nov. 29, 8.28.

Dg 10. Ashippun Fire Department. $SE\frac{1}{4}SE\frac{1}{4}$ 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: 1946-54. Jan. 13, 10.77; Mar. 9, 10.69; May 10, 10.46; July 13, 9.56; Sept. 14, 9.73; Nov. 29, 9.38.

Dg 11. F. C. Etscheid. $SE\frac{1}{4}SW\frac{1}{4}$ 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: 1946-54. Jan. 13, 36.80; Mar. 9, 39.63; May 10, 34.64; July 13, 17.30; Dec. 6, 25.46.

Dg 12. Baker Canning Co. $NW\frac{1}{4}SE\frac{1}{4}$ 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: 1946-54. Jan. 13, 63.11; Mar. 9, 57.92; May 10, 54.83; July 13, 70.44; Sept. 14, 74.55; Nov. 29, 68.70.

Dg 14. Chicago and North Western Railway. $NE\frac{1}{4}NE\frac{1}{4}$ 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: 1946-54. Jan. 13, 46.73; Mar. 9, 47.06; May 10, 45.20; July 13, 43.33; Sept. 14, 45.30; Nov. 29, 39.91.

Dg 15. Mayville Construction Co. $SW\frac{1}{4}NW\frac{1}{4}$ 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: 1946-54. Jan. 13, 20.40; Mar. 9, 20.71; May 10, 20.75; July 13, 19.91; Sept. 14, 21.10; Nov. 29, 19.30.

Dg 17. F. C. Etscheid. $SE\frac{1}{4}SW\frac{1}{4}$ 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: 1948-54. Jan. 13, 72.35; Mar. 9, 83.11; May 10, 82.48; July 13, 4.22; Nov. 29, 50.47.

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: 1946-54. Jan. 6, 9.52; Mar. 3, 8.17; May 4, 2.00; July 7, 0.78; Sept. 8, 5.70; Nov. 16, 4.39.

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: 1946-54. Jan. 6, 50.41; Mar. 3, 41.52; May 4, 18.83; July 7, 40.23; Sept. 8, 46.42; Nov. 16, 44.47.

Dr 11. Wilfred LeMense. Formerly 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 53.54 below lsd, July 7, 1954. Records available: 1950-54. Jan. 6, 53.47; Mar. 3, 51.84; May 4, 52.05; July 7, 53.54; Sept. 8, 53.10; Nov. 16, 53.09.

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 58.22 below lsd, Mar. 3, 1954. Records available: 1950-54. Mar. 3, 58.22; July 7, 29.12; Sept. 8, 44.65; Nov. 16, 36.06.

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, 1944-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	25.89	Apr. 9	25.81	July 9	25.90	Oct. 8	26.15
8	25.92	16	25.82	15	25.95	15	26.13
15	25.95	23	26.11	23	25.99	22	26.13
22	25.98	30	25.91	30	26.02	29	26.12
29	25.98	May 7	26.00	Aug. 6	26.06	Nov. 5	26.13
Feb. 5	25.97	14	26.09	13	26.09	12	26.13
12	26.00	21	26.13	20	26.11	19	26.14
19	26.00	28	26.11	27	26.12	26	26.11
26	26.06	June 4	26.01	Sept. 3	26.13	Dec. 3	26.16
Mar. 5	26.10	11	26.06	10	26.15	10	26.17
12	26.12	18	26.00	17	26.16	17	26.18
19	26.15	25	25.89	24	26.15	24	26.17
26	26.08	July 2	25.89	Oct. 1	26.15	31	26.20
Apr. 2	26.07						

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 11.83 below lsd, Aug. 12, 1954; lowest 14.98 below lsd, Nov. 29, 1951. Records available: 1951-54. Feb. 10, 14.68; Mar. 24, 14.64; June 10, 12.79; Aug. 12, 11.83; Oct. 21, 11.95.

Fond du Lac County

FL 12. City of Fond du Lac. NE¼NW¼ sec. 11, T. 15 N., R. 17 E. Drilled water-table well in sandstones of Cambrian and Ordovician age, diameter 4 inches, reported depth 817 feet, cased to 127. Highest water level 54.44 below lsd, Jan. 11, 1954; lowest 70.83 below lsd, July 29, 1954. Records available: 1953-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	55.73	56.75	58.61	64.07	62.19	62.35	67.42	69.30	67.28	66.30	61.61	65.70
2	55.20	57.03	60.86	62.02	60.30	63.77	66.00	68.45	67.36	66.51	63.25	66.01
3	54.90	57.00	61.59	61.70	61.20	62.80	65.44	68.55	68.16	62.77	62.28	63.32
4	54.75	57.36	59.13	59.40	62.54	64.00	63.75	69.30	68.37	63.64	63.25	63.16
5	.....	57.33	61.29	60.80	60.20	64.46	62.42	88.63	64.95	65.00	.....	61.12

FL 12--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	56.84	57.72	59.25	62.10	62.67	62.05	.....	69.53	63.80	64.23	.....	62.13
7	57.12	56.27	57.60	62.88	63.78	62.72	.....	68.90	65.40	65.08	.....	63.52
8	56.74	56.83	59.68	63.17	62.60	64.28	.....	67.69	66.84	65.50	.....	63.51
9	57.13	57.24	58.84	61.91	60.55	65.79	.....	67.62	67.48	65.90	.....	62.46
10	55.57	57.20	61.25	61.54	61.62	65.20	.....	67.81	68.30	62.46	.....	63.91
11	56.58	57.67	62.85	59.50	63.04	66.70	.....	68.52	66.05	62.81	.....	62.35
12	57.05	57.50	60.70	63.32	62.22	67.58	.....	69.08	64.52	63.96	.....	60.90
13	57.00	59.62	60.22	64.18	63.44	66.90	65.57	67.34	64.91	63.38	.....	61.40
14	57.20	57.05	58.00	62.00	64.30	67.92	66.37	67.82	66.12	63.92	.....	61.35
15	55.36	57.60	62.20	62.91	65.00	68.49	66.62	65.30	65.20	65.11	h65.11	62.59
16	56.98	57.90	63.11	64.00	61.70	67.93	67.29	66.03	66.17	65.47	.....	63.56
17	57.00	58.97	61.18	64.32	60.00	68.72	67.30	67.58	67.32	61.83	.....	63.67
18	57.49	60.77	61.71	60.10	61.92	69.06	67.20	67.70	67.56	62.90	.....	60.92
19	57.28	61.70	62.64	61.40	64.51	69.22	68.18	67.73	63.48	64.18	.....	59.35
20	.....	61.74	63.01	62.85	64.85	.....	68.82	68.59	64.14	62.69	.....	61.19
21	.....	58.90	59.20	63.50	65.33	67.62	69.62	67.33	65.36	62.48	.....	62.78
22	.....	60.01	59.62	63.52	65.95	66.20	69.96	65.82	64.53	63.22	64.43	61.89
23	.....	59.00	61.44	64.22	65.87	67.90	70.10	68.52	65.64	63.54	65.01	63.10
24	.....	58.13	60.58	64.45	64.39	68.10	70.42	67.82	66.21	61.17	65.18	64.85
25	.....	58.43	59.40	59.80	65.18	67.73	70.40	68.40	66.54	62.10	63.90	61.40
26	.....	61.42	.....	61.20	66.00	68.65	70.00	68.60	63.09	63.34	65.57	59.40
27	.....	61.00	.....	62.54	65.13	68.70	70.59	66.40	63.89	62.45	65.88	60.81
28	57.30	60.41	.....	63.95	65.45	66.18	70.62	64.71	65.18	63.50	63.50	62.45
29	57.48		.....	64.63	66.05	66.08	70.83	66.64	64.28	64.45	63.77	61.26
30	56.12		60.98	62.45	62.60	66.77	70.28	66.47	65.41	64.71	64.94	62.79
31	55.72		63.32		61.00		70.18	66.63		60.98		61.37

h Tape measurement.

FL 14. City of Waupun. SW¼SE¼ sec. 32, T. 14 N., R. 15 E. Drilled public-supply artesian well in sandstone of Cambrian age, diameter 12 inches, reported depth 611 feet, cased to 140. Land-surface datum is 883 feet above msl. Highest water level 26.84 below lsd, Nov. 22, 1954; lowest 34.91 below lsd, Sept. 15, 1954. Records available: 1953-54. Oct. 12, 1953, 30.13; Dec. 28, 31.72; Jan. 13, 1954, 34.30; Feb. 25, 33.06; Apr. 22, 33.43; Sept. 15, 34.91, Nov. 22, 26.84.

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 144.32 below lsd, Feb. 23, 1954. Records available: 1948-54. Jan. 5, 140.42; Feb. 23, 144.32; May 3, 140.94; July 6, 141.42; Sept. 7, 142.72; Nov. 15, 142.34.

FL 20. City of Fond du Lac. SW¼SW¼ sec. 3, T. 15 N., R. 17 E. Drilled unused artesian well in sandstone, diameter 6 inches, reported depth 700 feet. Highest water level 61.77 below lsd, Apr. 22, 1952; lowest 85.09 below lsd, July 29, 1954. Records available: 1950-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	64.16	64.97	65.40	65.90	.....	70.28	78.38	84.37	82.16	78.91	71.46	68.70
2	64.08	65.25	65.60	65.90	.....	69.95	78.42	83.03	82.19	78.20	71.93	68.51
3	64.15	65.60	65.55	65.75	65.52	69.98	78.00	83.40	83.05	77.92	71.86	68.37
4	63.94	65.20	65.50	65.25	64.96	69.90	77.67	83.34	83.16	77.87	71.48	68.67
5	65.25	65.30	65.20	64.95	65.18	69.82	76.65	83.58	83.37	77.76	71.45	69.79
6	65.62	65.11	65.50	65.49	65.41	69.58	75.62	83.67	83.19	78.10	71.23	69.07
7	65.27	65.01	65.90	65.85	65.60	69.16	75.52	83.88	83.41	78.02	71.09	69.00
8	64.96	65.20	65.57	65.62	65.56	69.17	75.27	83.90	83.42	76.97	70.77	68.57
9	65.10	65.30	65.55	64.95	65.55	70.63	74.53	83.09	83.33	76.74	70.56	68.53
10	65.06	65.95	65.21	65.45	65.13	71.13	74.34	82.97	83.43	76.59	70.27	68.59
11	64.88	66.40	65.32	65.40	65.88	71.33	74.32	82.93	83.43	75.83	70.37	68.83
12	64.95	66.19	65.20	65.36	65.95	72.85	74.10	82.77	83.35	75.97	70.34	68.81
13	64.85	64.95	66.46	65.65	65.76	72.83	74.55	82.91	82.58	76.10	69.64	67.84
14	64.96	65.95	66.13	66.07	65.90	72.56	75.75	83.22	82.28	75.67	69.19	67.23
15	64.96	67.16	66.05	66.07	.....	73.51	76.48	83.31	81.70	75.62	68.50	67.78
16	65.36	67.72	65.63	.....	.....	74.60	77.36	83.08	81.50	75.52	68.17	67.87
17	65.25	66.70	65.00	.....	.....	74.85	77.93	83.11	80.78	75.52	68.21	67.60
18	64.57	66.12	65.15	.....	70.59	75.31	79.26	83.15	80.52	75.35	67.92	67.82
19	64.66	65.98	65.80	.....	71.02	75.34	79.36	83.33	79.82	75.08	67.77	67.92
20	65.18	65.60	65.90	.....	70.79	75.25	80.68	83.54	79.56	74.68	67.67	67.43
21	65.14	66.27	65.65	.....	70.28	74.82	81.81	83.60	79.61	74.45	67.47	66.41
22	64.79	66.03	64.92	.....	70.47	75.83	82.60	83.57	79.68	74.58	67.00	68.02
23	64.64	65.83	65.30	.....	69.62	75.86	83.34	82.90	79.47	74.63	70.75	68.74
24	65.46	66.05	65.05	.....	71.87	75.60	83.71	83.09	78.95	74.60	71.56	69.12
25	65.35	65.80	66.13	.....	72.27	75.80	84.12	83.10	78.61	73.50	71.55	68.93

FL 20--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	65.40	65.84	66.35	.....	71.20	77.03	84.43	83.25	78.51	73.06	71.47	68.17
27	65.65	66.01	65.70	.....	71.17	77.41	84.63	83.14	78.32	73.31	69.50	67.90
28	65.40	65.68	65.44	.....	71.27	77.37	84.48	82.84	78.25	72.93	69.50	67.83
29	65.92		66.25	.....	72.00	77.68	85.06	82.90	78.92	72.56	69.86	67.76
30	65.88		66.40		71.76	78.12	85.09	82.31	78.96	72.61	69.92	67.15
31	65.65		66.37		70.62		84.50	82.36		72.77		67.09

FL 21. Wisconsin Central RR. NW¼SW¼ sec. 33, T. 16 N., R. 17 E. Drilled industrial artesian well in limestone of Ordovician age, diameter 8 inches, reported depth 450 feet. Highest water level 27.28 below lsd, June 2, 1953; lowest 35.86 below lsd, Aug. 31, 1954. Records available: 1950-54. Jan. 5, 32.56; Mar. 2, 33.70; May 3, 33.03; July 6, 34.42; Aug. 31, 35.86; Nov. 15, 35.85.

FL 89. B. E. Elberts. NW¼NW¼ sec. 35, T. 17 N., R. 19 E. Drilled domestic and public-supply artesian well in Niagara dolomite, diameter 6 inches, reported depth 97 feet, cased to 66. Land-surface datum is 980 feet above msl. Highest water level 20.33 below lsd, Nov. 23, 1954; lowest 29.17 below lsd, Apr. 27, 1954. Records available: 1953-54. Nov. 10, 1953; 25.54; Feb. 23, 1954, 28.39; Apr. 27, 29.17; July 14, 25.60; Sept. 22, 27.01; Nov. 23, 20.33.

FL 126. George Flood. NW¼SE¼ sec. 8, T. 14 N., R. 18 E. Drilled unused artesian well in Niagara dolomite, diameter 8 inches, depth 163 feet, cased to 163. Highest water level 1.49 below lsd, Oct. 3, 1954; lowest 7.64 below lsd, Aug. 23-24, 1954. Records available: 1954. Recording gage installed Mar. 15, 1954.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	....	3.46	3.40	5.57	4.12	6.31	7.62	2.68	1.93	1.86
2	....	....	....	3.50	3.36	5.55	2.76	5.85	7.62	2.25	2.00	1.83
3	....	....	....	3.54	3.30	5.28	3.14	4.14	7.38	2.33	1.88	1.84
4	....	....	....	3.56	3.26	5.77	5.38	3.67	7.21	2.10	1.95	1.89
5	....	....	....	3.48	3.27	5.00	6.00	3.47	7.21	2.10	1.92	2.07
6	....	....	....	3.37	3.24	2.35	6.10	3.74	4.17	1.99	1.82	2.18
7	....	....	....	3.31	3.27	2.33	5.50	....	6.57	2.07	1.80	1.92
8	....	....	....	3.37	3.52	2.30	5.50	....	6.89	2.00	1.87	1.88
9	....	....	....	3.33	3.61	2.26	6.03	....	7.06	2.00	1.89	1.93
10	....	....	....	3.31	3.35	2.51	6.03	....	7.10	1.96	1.86	1.99
11	....	....	....	3.39	3.33	2.54	2.87	....	7.61	1.83	1.88	2.00
12	....	....	....	3.48	3.38	2.40	5.91	....	7.61	2.60	1.91	2.04
13	....	....	....	3.34	3.45	2.51	5.83	....	4.02	2.06	1.82	1.99
14	....	....	....	3.33	5.47	2.42	5.74	....	5.10	2.01	1.86	1.90
15	....	....	3.71	3.30	4.41	2.62	5.94	....	7.43	1.90	1.87	1.99
16	....	....	3.70	3.36	4.69	2.41	5.96	....	7.43	1.96	1.81	2.00
17	....	....	3.60	3.32	5.43	3.11	6.02	....	6.86	1.98	1.86	1.92
18	....	....	3.45	3.41	6.72	3.97	6.50	....	6.61	2.05	1.90	1.98
19	....	....	3.35	3.45	6.10	2.57	5.60	....	3.38	2.02	1.85	2.00
20	....	....	3.47	3.48	5.87	2.44	5.87	....	7.41	1.99	1.86	2.01
21	....	....	3.48	3.39	5.88	2.50	6.11	....	7.46	1.97	1.85	2.00
22	....	....	3.41	3.54	5.58	2.59	6.11	....	6.76	2.07	1.95	1.93
23	....	....	3.47	3.62	5.57	2.78	4.02	7.64	6.60	2.03	1.86	2.00
24	....	....	3.47	3.36	5.53	5.07	3.23	7.64	5.73	2.02	1.81	2.05
25	....	....	3.37	3.31	6.19	5.50	3.10	7.60	3.27	2.22	1.79	2.04
26	....	....	3.44	3.76	5.88	5.92	5.76	6.36	2.96	1.97	1.77	1.92
27	....	....	3.39	3.35	5.69	7.13	6.48	7.00	3.24	1.92	1.67	1.90
28	....	....	3.35	3.29	5.60	5.73	6.67	6.98	2.98	1.90	1.72	1.86
29	....		3.44	3.32	5.45	5.71	6.74	6.39	3.10	1.90	1.90	1.84
30	....		3.61	3.32	5.60	5.12	6.61	5.88	2.91	1.97	1.93	1.92
31	....		3.47		5.46		6.18	6.20		1.98		1.96

Forest County

Fr 1. Wisconsin State Highway Department. W. M. P. Brule River Profile well 4. NW¼SE¼ sec. 18, T. 41 N., R. 14 E. Driven observation water-table well in sand, diameter 1¼ inches, depth 9 feet, screen 6-9. Land-surface datum is 1,547.86 feet above msl. Highest water level 4.72 below lsd, Apr. 29, 1954; lowest 8.10 below lsd, June 13, 1949. Records available: 1948-54.

Fr 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29	7.07	Apr. 29	4.72	July 30	7.71	Nov. 1	7.30
Mar. 1	7.26	June 2	7.02	Aug. 30	7.76	30	7.59
30	7.58	July 2	7.15	Sept. 29	7.51		

Fr 2. Wisconsin State Highway Department. W. M. P. Brule River Profile well 5. NW¼SE¼ sec. 18, T. 41 N., R. 14 E. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 18 feet, screen 15-18. Land-surface datum is 1,551.69 feet above msl. Highest water level 7.96 below lsd, Apr. 29, 1954; lowest 11.88 below lsd, May 16, 1949. Records available: 1948-54.

Jan. 29	10.68	Apr. 29	7.96	July 30	11.21	Sept. 29	11.03
Mar. 1	10.81	June 2	10.40	Aug. 30	11.33	Nov. 1	10.77
30	11.08	July 1	10.59				

Fr 3. Wisconsin State Highway Department. W. M. P. Brule River Profile well 6. SE¼SE¼ sec. 18, T. 41 N., R. 14 E. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 15 feet, screen 12-15. Land-surface datum is 1,548.38 feet above msl. Highest water level 4.20 below lsd, Apr. 29, 1954; lowest 9.13 below lsd, Oct. 29, 1948. Records available: 1948-54.

Jan. 29	7.31	Apr. 29	4.20	July 30	7.78	Nov. 1	7.34
Mar. 1	7.40	June 2	6.90	Aug. 30	7.89	30	7.71
30	7.66	July 1	7.26	Sept. 29	7.62		

Fr 4. Wisconsin State Highway Department. W. M. P. Brule River Profile well 7. SE¼SE¼ sec. 18, T. 41 N., R. 14 E. Driven observation water-table well in sand and gravel, diameter 1¼ inches, depth 17 feet, screen 14-17. Land-surface datum is 1,549.38 feet above msl. Highest water level 5.50 below lsd, Apr. 29, 1954; lowest 9.71 below lsd, Mar. 1, 1954. Records available: 1951-54.

Jan. 29	8.04	Apr. 29	5.50	July 30	8.56	Nov. 1	8.20
Mar. 1	9.71	June 2	7.77	Aug. 30	8.64	30	8.51
30	8.39	July 1	8.06	Sept. 29	8.42		

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: 1946-54. Jan. 26, 63.30; Mar. 18, 63.66; June 3, 64.18; Oct. 8, 61.06.

Gr 5. Oscar Gilbertson. Formerly 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: 1946-54. Jan. 26, 15.36; Mar. 18, 15.51; June 2, 13.52; July 26, 10.34; Oct. 7, 12.83.

Green County

Gn 1. Charles Segner. NE¼NE¼ sec. 21, T. 2 N., R. 7 E. Drilled unused well in Platteville formation, diameter 6 inches, depth 71 feet. Highest water level 50.33 below lsd, May 20, 1948; lowest 64.70 below lsd, Jan. 22, 1948. Records available: 1946-54. Jan. 25, 63.66; Mar. 17, 63.21; June 2, 61.46; July 26, 58.96; Oct. 7, 61.04.

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: 1946-54. Jan. 25, 127.67; Mar. 17, 128.13; June 2, 128.91; July 26, 129.33; Oct. 7, 129.93.

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: 1947-54. Measurement discontinued. Jan. 25, 33.81; Mar. 17, 34.04.

Jackson County

Ja 1. L. Epstein. SW¼SE¼ sec. 20, T. 20 N., R. 2 W. Drilled domestic water-table well in sandstone, diameter 6 inches, reported depth 140 feet. Highest water level 12.67 below lsd, Aug. 12, 1954; lowest 18.51 below lsd, Oct. 5, 1950. Records available: 1947-54. Feb. 10, 15.93; Mar. 24, 14.96; June 10, 13.60; Aug. 12, 12.67; Oct. 21, 13.34.

Ja 5. Henry Lange. NE¼SW¼ sec. 30, T. 20 N., R. 3 W. Drilled domestic artesian well in sandstone of Cambrian age, diameter 10 inches, reported depth 190 feet, cased to 54. Highest water level 16.99 below lsd, Oct. 21, 1954; lowest 20.98 below lsd, Mar. 24, 1954. Records available: 1953-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 3, 1953	18.76	Nov. 19, 1953	19.69	Mar. 24, 1954	20.98	Aug. 12, 1954	17.64
July 2	18.86	Feb. 10, 1954	20.69	June 10	18.59	Oct. 21	16.99
Sept. 17	18.65						

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 46.66 below lsd, Sept. 28, 1954. Records available: 1946-54. Jan. 15, 26.71; Mar. 31, 29.60; May 28, 31.22; July 29, 32.67; Sept. 28, 46.66; Dec. 6, 41.85.

Juneau County

Ju 8. Camp Douglas. SW¼SW¼ sec. 21, T. 17 N., R. 2 E. Drilled unused well in sandstone, diameter 4 inches, depth 64 feet. Highest water level 3.12 below lsd, Oct. 21, 1954; lowest 9.80 below lsd, Mar. 3, 1950. Records available: 1949-54. Feb. 10, 6.99; Mar. 24, 7.25; June 10, 5.71; Aug. 12, 4.30; Oct. 21, 3.12.

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 114.82 below lsd, Dec. 7, 1954. Records available: 1946-54. Jan. 25, 112.72; Mar. 11, 112.21; May 12, 112.71; July 15, 112.93; Sept. 16, 114.65; Dec. 7, 114.82.

Ke 4. Sunset Ridge Memorial Park. NW¼SE¼ sec. 27, T. 2 N., R. 22 E. Drilled domestic and irrigation water-table well in Niagara dolomite, diameter 6 inches, reported depth 190 feet. Land-surface datum is 725 feet above msl. Highest water level 73.70 below lsd, Apr. 16, 1952; lowest 80.71 below lsd, Jan. 25, 1954. Records available: 1946-54. Jan. 25, 80.71; May 12, 80.20; July 15, 80.00; Sept. 16, 78.95; Dec. 7, 78.11.

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: 1946-54. Jan. 25, 5.87; Mar. 11, 4.52; May 12, 2.98; July 15, 2.97; Sept. 16, 4.21; Dec. 7, 3.90.

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 47.78 below lsd, Dec. 7, 1954. Records available: 1946-54. Jan. 25, 46.24; Mar. 11, 44.99; May 12, 46.49; July 15, 47.46; Sept. 16, 47.77; Dec. 7, 47.78.

Lafayette County

Lf 1. Erickson. NW¼SW¼ sec. 25, R. 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: 1946-54. Jan. 25, 22.90; Mar. 17, 22.90; June 2, 21.15; July 26, 20.76; Oct. 7, 22.26.

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: 1947-54. Jan. 25, 33.22; Mar. 17, 33.72; June 2, 33.88; July 26, 32.85; Oct. 7, 33.40.

Lf 12. Pearl Ogelthre and others. SE¼SW¼ sec. 33, T. 2 N., R. 4 E. Drilled unused water-table well in Platteville formation and St. Peter sandstone, diameter 6 inches. Highest water level 20.17 below lsd, June 16, 1947; lowest 38.56 below lsd, Mar. 17, 1954. Records available: 1947-54. Jan. 25, 38.21; Mar. 17, 38.56; June 2, 32.50; July 26, 33.89; Oct. 7, 36.94.

Lf 13. Viola Jeffery Lamont. NE¼NE¼ sec. 34, T. 1 N., R. 2 E. Drilled stock water-table well in Galena dolomite, diameter 6 inches, reported depth 175 feet. Highest water level 7.46 below lsd, Nov. 27, 1951; lowest 20.36 below lsd, Jan. 25, 1954. Records available: 1951-54. Jan. 25, 20.36; Mar. 17, 16.00; June 2, 10.70; July 26, 12.50; Oct. 7, 15.23.

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 176.79 below lsd, Nov. 29, 1954. Records available: 1951-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	168.66	Mar. 6	170.31	Apr. 17	171.5	July 26	173.63
25	169.13	17	171.61	24	170.89	Sept. 23	175.51
Feb. 14	171.43	20	170.35	May 1	170.33	Oct. 7	174.98
21	171.5	27	170.54	15	169.7	25	171.82
27	173.35	Apr. 3	173.68	June 2	170.89	Nov. 29	176.79

Lf 36. Calumet & Hecla Copper Co. SW¼NE¼ sec. 22, T. 1 N., R. 2 E. Drilled unused artesian well in Galena dolomite, diameter 12 inches, reported depth 340 feet. Land-surface datum is 1,122 feet above msl. Highest water level 249 below lsd, Oct. 26, 1951; lowest 315.43 below lsd, Dec. 31, 1954. Records available: 1951-54.

Oct. 26, 1951	249.0	July 6, 1953	258.56	Nov. 25, 1953	298.57	Dec. 4,1953	299.15
Apr. 10, 1952	253.5	Sept. 9	284.33	26	298.65	5	299.29
18	253.23	Oct. 15	293.56	27	298.75	19	300.47
May 7	253.97	Nov. 9	298.12	28	298.82	20	300.52
12	254.54	Nov. 19	298.15	29	298.88	21	300.59
June 2	255.34	20	298.21	30	298.96	22	300.70
17	256.90	21	298.31	Dec. 1	299.02	29	301.07
Aug. 13	255.98	22	298.37	2	299.02	30	301.14
Oct. 16	256.09	23	298.43	3	299.06	31	301.19
May 8, 1953	257.04	24	298.49				

Daily lowest water level from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	301.50	303.18	304.34	305.14	.....	.....	293.93	309.33	.....	312.20	313.48	314.69
2	301.56	303.22	304.38	305.14	.....	.....	295.43	309.37	310.98	312.24	313.54	314.72
3	301.65	303.27	304.42	305.14	.....	.....	.....	309.44	311.03	312.27	313.58	314.74
4	301.70	303.33	304.48	305.14	.....	.....	.....	309.47	311.07	312.33	313.61	314.78
5	301.73	303.37	304.52	305.17	.....	.....	.....	309.53	311.13	312.41	313.65	314.85
6	301.79	.....	304.55	305.18	.....	.....	.....	309.57	311.17	312.45	313.69	314.94
7	301.85	303.45	304.57	305.18	.....	.....	.....	309.61	.....	312.49	313.73	314.96
8	301.89	303.45	304.59	305.32	.....	.....	305.34	309.67	.....	312.51	313.79	314.96
9	302.00	303.47	304.61	305.32	.....	.....	305.92	309.72	.....	312.54	313.84	314.98
10	302.05	303.53	304.64	305.34	.....	.....	306.44	309.77	.....	312.55	313.87	315.03
11	302.07	303.61	304.68	305.37	.....	.....	306.84	309.82	.....	311.86	313.91	315.06
12	302.11	303.65	304.70	305.39	.....	.....	307.19	309.87	.....	312.05	313.95	315.12
13	302.11	303.66	304.74	305.39	.....	.....	307.48	309.91	.....	312.21	313.98	315.13
14	302.25	303.71	304.81	305.39	.....	.....	307.74	309.97	.....	312.35	314.04	315.13
15	302.30	303.79	304.87	305.39	.....	.....	307.96	310.02	.....	312.45	314.09	315.16
16	302.37	303.84	304.87	305.21	.....	.....	308.14	310.07	311.62	312.56	314.12	315.19
17	302.42	303.90	304.87	305.23	.....	297.57	308.28	310.13	311.64	312.67	314.16	315.19
18	302.44	303.93	304.93	305.31	.....	299.06	308.42	310.43	311.67	312.76	314.21	315.22
19	302.53	303.94	304.95	305.38	.....	300.30	308.54	310.48	311.70	312.80	314.24	315.26
20	302.62	303.96	304.99	305.43	.....	301.36	308.63	310.55	311.74	312.87	314.27	315.29
21	302.70	304.04	305.04	305.43	.....	301.37	308.72	.....	311.78	312.92	314.31	315.30
22	302.74	304.07	305.08	.....	.....	291.00	308.79	.....	311.82	312.96	314.35	315.30
23	302.76	304.10	305.12	.....	.....	278.35	308.86	.....	311.89	313.02	314.35	315.32
24	302.78	304.13	305.16	305.12	.....	278.77	308.93	.....	311.90	313.12	314.38	315.36
25	302.83	304.18	305.16	.....	.....	279.45	309.00	.....	311.94	313.16	314.42	315.37
26	302.88	304.22	304.89	.....	.....	283.16	309.06	310.59	311.97	313.21	314.46	315.39
27	302.95	304.25	304.93	.....	.....	287.08	309.10	310.64	312.00	313.25	314.48	315.41
28	302.98	304.30	305.04	.....	.....	288.58	309.14	.....	312.04	313.28	314.53	315.41
29	303.03		305.12	.....	.....	290.11	309.11	.....	312.10	313.33	314.60	315.41
30	303.11		305.13	.....	.....	292.06	309.24	.....	312.15	313.38	314.65	315.41
31	303.14		305.14		.....		309.30	.....		313.42		315.43

Lf 57. Coulthard Estate. Shullsburg. NW¼NW¼ sec. 33, T. 1 N., R. 2 E. Drilled unused well in Galena dolomite, diameter 10 inches, reported depth 265 feet. Land-surface datum is 1,000 feet above msl. Highest water level 63.67 below lsd, Apr. 29, 1952; lowest 85.23 below lsd, Dec. 16, 1954. Records available: 1952-54.

Lf 57--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	83.07	83.58	84.01	84.50	84.72	83.79	83.87	84.26	84.68	84.65	84.87
2	.....	83.08	83.60	84.16	84.42	84.73	83.69	83.82	84.29	84.60	84.73	84.82
3	.....	83.25	83.67	84.16	84.43	84.50	83.73	83.90	84.37	84.61	84.64	84.72
4	82.61	83.21	83.67	84.05	84.40	84.53	83.65	83.89	84.29	84.69	84.71	84.86
5	82.72	83.23	83.62	84.03	84.53	84.40	83.66	83.97	84.36	84.69	84.71	84.97
6	82.77	83.31	83.60	84.09	84.42	84.33	83.70	83.97	84.34	84.76	84.68	84.96
7	82.71	83.29	83.71	84.28	84.45	84.28	83.71	83.94	84.41	84.75	84.69	84.83
8	82.71	83.14	83.71	84.30	84.44	84.34	83.74	83.88	84.43	84.53	84.74	84.65
9	82.85	83.20	83.68	84.13	84.51	84.26	83.68	83.91	84.37	84.50	84.73	84.89
10	82.85	83.36	83.68	84.22	84.49	84.35	83.68	84.00	84.40	84.50	84.71	84.91
11	82.86	83.43	83.72	84.26	84.47	84.25	83.66	84.03	84.42	84.55	84.72	84.89
12	82.92	83.43	83.74	84.26	84.52	84.34	83.66	84.01	84.42	84.75	84.76	84.93
13	82.82	83.16	83.82	84.10	84.51	84.37	83.73	83.98	84.38	84.76	84.64	84.86
14	82.84	83.27	83.85	84.12	84.51	84.29	83.74	83.94	84.42	84.73	84.72	84.74
15	82.84	83.49	83.88	84.29	84.48	84.26	83.79	84.01	84.46	84.50	84.69	84.88
16	82.98	83.46	83.86	84.29	84.52	84.38	83.80	84.06	84.48	84.51	84.65	85.23
17	82.98	83.45	83.76	84.27	84.58	84.44	83.71	84.06	84.39	84.63	84.68	84.79
18	82.88	83.37	83.71	84.34	84.54	84.48	83.68	83.98	84.39	84.67	84.69	84.96
19	82.88	83.35	83.90	84.36	84.62	84.43	83.72	84.08	84.44	84.65	84.68	84.99
20	83.13	83.31	83.94	84.37	84.63	84.37	83.72	84.12	.....	84.53	84.72	84.94
21	83.12	83.58	83.91	84.28	84.57	84.31	83.75	84.15	.....	84.53	84.73	84.98
22	82.96	83.57	83.81	84.28	84.61	84.24	83.76	84.13	.....	84.58	84.75	84.82
23	82.88	83.46	83.93	84.28	84.61	84.25	83.77	84.37	.....	84.59	84.67	85.00
24	83.08	83.48	83.90	84.28	84.65	84.04	83.82	84.17	84.49	84.60	84.78	85.04
25	83.05	83.48	84.07	84.28	84.57	83.86	83.86	84.13	84.53	84.51	84.90	84.93
26	83.09	83.45	84.09	84.26	84.66	83.90	83.86	84.21	84.50	84.52	84.82	85.01
27	83.13	83.59	84.00	84.38	84.56	83.91	83.79	84.20	84.50	84.62	84.69	84.99
28	83.10	83.57	84.04	84.39	84.58	83.82	83.77	84.26	84.54	84.54	84.80	84.99
29	83.14		84.03	84.63	84.75	83.73	83.85	84.25	84.58	84.58	85.00	84.95
30	83.20		84.02	84.35	84.77	83.74	83.85	84.26	84.68	84.63	85.00	85.00
31	83.13		84.02		84.60		83.90	84.25		84.63		84.92

Lf 60. C. Rennick. SW¼NE¼ sec. 23, T. 1 N., R. 2 E. Drilled unused well in Galena dolomite, diameter 6 inches, reported depth 280 feet. Land-surface datum is 1,081.5 feet above msl. Highest water level 76.96 below lsd, May 14, 1952; lowest 105.38 below lsd, Dec. 28, 1954. Records available: 1952-54. Recording gage installed Nov. 18, 1953.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 14, 1952	76.96	Nov. 23, 1953	98.07	Dec. 5, 1953	98.84	Dec. 20, 1953	98.95
19	78.53	24	98.00	6	98.68	21	99.04
June 2	78.63	25	98.22	7	98.78	22	99.65
16	77.52	26	98.37	8	98.88	23	99.73
Aug. 12	84.39	27	98.90	9	98.88	24	99.38
May 20, 1953	91.26	28	98.01	10	98.83	25	99.56
Oct. 15	98.23	29	98.85	11	98.91	26	99.47
Nov. 18	98.21	30	98.97	12	99.11	27	99.46
19	98.22	Dec. 1	98.99	13	99.71	28	99.41
20	98.08	2	98.75	14	98.76	29	99.68
21	98.30	3	98.68	15	99.10	30	99.76
22	98.30	4	98.68	19	99.01	31	99.73

Daily lowest water level from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	99.73	100.96	101.21	102.32	.....	.....	.....	100.46	101.99	102.94	102.60	104.82
2	99.82	100.82	101.30	102.33	.....	.....	99.33	100.36	101.98	102.84	102.91	104.78
3	100.17	100.87	101.57	102.46	.....	.....	99.34	100.47	102.15	102.62	102.89	104.20
4	100.14	100.84	.....	.....	.....	.....	99.31	100.56	102.07	103.01	102.83	104.20
5	99.95	100.93	.....	.....	.....	.....	99.40	100.72	102.16	103.14	102.93	104.84
6	100.26	.....	.....	.....	.....	.....	99.34	100.79	102.18	103.54	102.93	104.82
7	100.19	.....	101.64	.....	.....	.....	99.13	100.83	102.30	103.61	104.18	104.74
8	100.21	100.88	101.67	.....	.....	.....	99.26	100.76	102.39	103.40	104.81	104.11
9	100.45	100.65	101.47	.....	.....	.....	99.35	100.79	102.33	103.10	104.96	104.43
10	100.56	100.87	.....	100.43	.....	.....	99.44	101.03	102.34	103.03	104.95	104.54
11	100.51	101.54	.....	100.81	.....	.....	99.50	101.16	102.44	101.34	104.80	104.54
12	100.55	.....	.....	100.95	.....	.....	99.47	101.19	102.47	101.74	104.82	104.61
13	100.80	.....	101.54	100.93	.....	.....	99.63	101.18	102.33	101.91	104.53	104.42
14	100.78	.....	101.85	100.87	.....	.....	99.65	100.06	102.39	101.81	104.44	104.43
15	.....	101.04	.....	100.80	78.88	.....	99.85	101.17	102.55	101.93	104.44	104.59

Lf 60--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	100.81	101.30	.....	100.71	81.36	.....	99.97	101.30	102.57	101.95	103.87	.....
17	.....	101.42	.....	100.71	84.51	.....	99.85	101.32	102.40	102.24	104.01	.....
18	.....	101.35	.....	100.70	84.51	.....	99.67	101.15	102.38	102.59	103.91	.....
19	.....	101.18	.....	100.70	84.50	.....	99.76	101.30	102.24	102.67	104.02	.....
20	.....	100.86	102.00	100.71	85.15	.....	99.71	101.46	102.27	102.50	104.95	104.64
21	.....	101.12	102.11	100.72	85.15	.....	99.88	101.58	102.61	102.36	.....	104.81
22	.....	101.18	101.98	100.71	85.36	.....	100.00	101.58	102.76	102.46	104.39	104.60
23	.....	100.89	102.02	100.71	85.37	.....	100.09	101.59	102.89	102.52	104.39	104.70
24	100.71	100.86	102.13	.....	85.13	.....	100.26	101.64	102.85	102.58	104.95	104.85
25	100.78	100.81	102.08	.....	.....	.....	100.38	101.54	102.81	102.40	104.40	104.47
26	100.80	100.79	102.07	.....	.....	.....	100.45	101.72	102.67	102.16	104.40	104.41
27	101.08	100.94	102.07	.....	.....	.....	100.33	101.73	102.63	102.39	104.08	105.29
28	101.12	101.11	102.05	.....	.....	.....	100.25	101.90	102.60	102.28	104.02	105.38
29	100.82		102.09	.....	.....	.....	100.43	101.93	102.54	102.19	104.96	105.37
30	101.25		102.24	.....	.....	.....	100.44	102.01	102.94	102.42	105.00	105.24
31	101.25		102.32		.....		100.51	102.01		102.47		105.16

Lf 63. Wisconsin Conservation Department. SE¼NE¼ sec. 8, T. 3 N., R. 5 E. Driven observation water-table well in alluvium, diameter 2 inches, depth 17 feet, cased to 15, well point. Highest water level 1.06 below lsd, Feb. 11, 1954; lowest 3.95 below lsd, July 20, 1954. Records available: 1952-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	1.47	Apr. 8	1.74	July 13	2.56	Oct. 12	1.69
14	1.79	15	1.69	20	3.95	19	1.83
21	1.99	22	1.73	27	3.01	26	1.65
28	1.98	29	1.68	Aug. 3	3.03	Nov. 2	1.89
Feb. 4	1.74	May 6	1.83	10	2.88	9	1.92
11	1.06	17	2.68	17	3.09	16	2.43
18	1.81	24	2.78	24	2.87	23	2.28
25	1.61	31	2.04	31	2.74	30	2.35
Mar. 4	1.76	June 7	2.02	Sept. 7	3.08	Dec. 7	2.28
11	1.84	15	2.64	14	2.82	14	2.51
18	1.74	22	1.64	21	3.07	21	2.49
26	1.63	29	2.67	28	3.09	28	2.51
Apr. 2	1.69	July 6	1.90	Oct. 5	1.77		

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 3.82 below lsd, Aug. 31, 1954. Records available: 1952-54.

Jan. 7	1.48	Apr. 8	1.43	July 13	2.75	Oct. 12	1.26
14	1.69	15	1.44	20	3.19	19	1.44
21	1.96	22	1.31	27	3.31	26	3.00
28	1.02	29	1.17	Aug. 3	3.20	Nov. 2	1.88
Feb. 4	2.75	May 6	1.47	10	3.17	9	1.99
11	2.45	17	3.00	17	3.26	16	1.04
18	2.98	24	3.19	24	3.07	23	1.16
25	2.36	31	2.39	31	3.82	30	1.83
Mar. 4	2.50	June 7	2.22	Sept. 7	3.18	Dec. 7	2.18
11	2.79	15	2.01	14	3.00	14	2.32
18	2.62	22	1.35	21	2.02	21	1.04
26	1.38	29	2.78	28	2.06	28	1.27
Apr. 2	1.82	July 6	2.18	Oct. 5	1.39		

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 5.03 below lsd, Sept. 1 1953. Records available: 1952-54.

Jan. 7	3.04	Apr. 8	2.77	July 13	0.82	Oct. 12	0.82
14	3.13	15	2.77	20	2.78	19	1.06
21	3.12	22	1.09	27	3.60	26	1.32
28	3.23	29	.11	Aug. 3	3.87	Nov. 2	1.50
Feb. 4	3.11	May 6	.25	10	4.28	9	1.59
11	3.33	17	1.15	17	4.36	16	1.76
18	3.80	24	1.76	24	4.49	23	1.85
25	2.58	31	1.39	31	4.23	30	1.83
Mar. 4	3.82	June 7	1.28	Sept. 7	4.68	Dec. 7	2.34
11	3.85	15	1.48	14	4.38	14	2.44
18	3.81	22	.15	21	4.60	21	2.54
26	3.18	29	1.16	28	4.65	28	1.04
Apr. 2	3.33	July 6	.33	Oct. 5	3.34		

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 6.46 below lsd, Sept. 28, 1954. Records available: 1952-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	5.11	Apr. 8	5.48	July 13	5.16	Oct. 12	3.72
14	5.08	15	5.72	20	5.89	19	4.71
21	5.11	22	4.14	27	6.00	26	5.28
28	5.08	29	3.29	Aug. 3	5.87	Nov. 2	5.63
Feb. 4	5.08	May 6	3.02	10	6.15	9	5.74
11	5.10	17	5.50	17	6.19	16	5.81
18	5.02	24	5.80	24	6.23	23	5.82
25	5.03	31	5.62	31	6.18	30	5.87
Mar. 4	6.11	June 7	5.79	Sept. 7	6.36	Dec. 7	5.88
11	6.17	15	5.45	14	6.28	14	5.96
18	6.11	22	2.05	21	6.45	21	5.99
26	5.68	29	5.00	28	6.46	28	5.83
Apr. 2	5.02	July 6	4.09	Oct. 5	5.68		

Lf 76. Fall River Canning Co. SE¼SW¼ sec. 30, T. 2 N., R. 1 E. Drilled industrial artesian well in St. Peter sandstone, diameter 10 inches, reported depth 525 feet, cased to 96. Highest water level 165.19 below lsd, Apr. 20, 1953; lowest 172.81 below lsd, July 26, 1954. Records available: 1953-54. Apr. 20, 1953, 165.19; Jan. 25, 1954, 167.58; Mar. 17, 167.60; June 2, 168.18; July 26, 172.81; Oct. 7, 171.90.

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 17.58 below lsd, Apr. 3, 1954. Records available: 1953-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.92	16.98	17.33	17.49	.....	15.45	13.90	15.02	16.27	16.79	16.77	16.95
2	16.99	16.97	17.33	17.57	.....	15.47	13.88	15.02	16.30	16.75	16.85	16.93
3	17.05	17.12	17.37	17.58	.....	15.27	13.82	15.16	16.36	16.74	16.81	16.81
4	16.94	17.16	17.38	17.49	.....	.....	12.59	15.20	16.33	16.81	16.84	16.91
5	16.93	17.20	17.35	17.43	.....	.....	11.55	15.36	16.40	16.82	16.84	17.05
6	17.01	17.26	17.35	17.41	.....	.....	11.43	15.40	16.40	16.89	16.79	17.05
7	16.97	17.25	17.39	17.51	.....	11.73	11.11	15.42	16.47	16.89	16.84	16.98
8	16.97	17.06	17.40	17.52	.....	11.78	10.74	15.42	16.49	16.75	16.89	16.82
9	17.05	17.09	17.31	17.51	14.23	11.74	10.74	15.47	16.47	16.69	16.88	16.95
10	17.05	17.23	17.32	17.50	14.22	11.90	11.01	15.63	16.51	16.67	16.87	16.98
11	17.04	17.34	17.37	17.52	14.19	11.97	11.16	15.67	16.52	16.66	16.87	16.99
12	17.09	17.34	17.37	17.52	14.33	12.45	11.76	15.69	16.54	16.74	16.88	17.04
13	17.04	17.13	17.42	17.45	14.40	12.61	11.97	15.71	16.52	16.77	16.76	17.00
14	16.98	17.11	17.47	17.37	14.48	12.70	12.47	15.71	16.52	16.70	16.83	16.89
15	16.98	17.29	17.50	17.41	14.49	12.79	12.97	15.78	16.56	16.70	16.82	16.98
16	17.07	17.33	17.49	17.44	14.73	13.23	13.11	15.87	16.57	16.68	16.72	17.00
17	17.08	17.33	17.41	17.43	14.87	13.55	13.11	15.89	16.54	16.80	16.75	16.93
18	16.93	17.27	17.32	17.47	14.95	13.72	13.36	15.82	16.53	16.85	16.78	17.03
19	16.94	17.23	17.39	17.52	15.18	13.78	13.45	15.94	16.56	16.83	16.77	17.08
20	17.15	17.11	17.49	17.52	15.26	13.78	13.66	16.01	16.57	16.74	16.81	17.06
21	17.16	17.35	17.50	17.47	15.23	13.79	13.84	16.04	16.68	16.71	16.83	17.09
22	17.06	17.35	17.41	17.51	15.28	13.79	13.95	16.03	16.70	16.73	16.86	16.99
23	16.97	17.23	17.49	17.51	15.30	13.38	14.10	16.06	16.70	16.74	16.83	17.09
24	17.06	17.25	17.45	17.45	15.34	12.84	14.45	16.07	16.65	16.76	16.84	17.15
25	17.06	17.25	17.48	17.41	15.39	12.68	14.62	16.07	16.67	16.71	16.91	17.08
26	17.08	17.23	17.54	17.30	15.41	13.03	14.71	16.14	16.65	16.67	16.90	17.12
27	17.14	17.31	17.51	17.22	15.35	13.29	14.70	16.15	16.66	16.76	.....	17.13
28	17.13	17.32	17.49	.....	15.21	13.32	14.70	16.20	16.68	16.70	.....	17.13
29	17.09		17.49	.....	15.50	13.56	14.88	16.21	16.71	16.76	.....	17.12
30	17.17		17.50	.....	15.54	13.78	14.89	16.25	16.79	16.76	17.01	17.12
31	17.12		17.49		15.35		15.02	16.25		16.77		17.08

Lf 95. B. H. Mullen. SE¼NW¼ sec. 17, T. 1 N., R. 2 E. Dug unused mine shaft in Galena dolomite, size 8 by 15 feet, depth 81 feet. Land-surface datum is 988 feet above msl. Highest water level 78.98 below lsd, Nov. 23, 1954; lowest 83.35 below lsd, May 1, 1954. Records available: 1953-54. Recording gage installed Nov. 10, 1953.

Lf 95--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 10, 1953	81.43	Nov. 21, 1953	81.55	Dec. 2, 1953	81.62	Dec. 12, 1953	81.92
11	81.77	22	81.52	3	81.50	13	81.71
12	81.77	23	81.37	4	81.75	14	81.84
13	81.68	24	81.22	5	81.77	20	81.69
14	81.57	25	81.35	6	81.68	21	81.80
15	81.45	26	81.48	7	81.71	22	82.25
16	81.43	27	81.76	8	81.78	23	82.26
17	81.45	28	81.78	9	81.75	29	82.04
18	81.49	29	81.74	10	81.71	30	82.14
19	81.49	30	81.80	11	81.92	31	82.08
20	81.33	Dec. 1	81.80				

Daily lowest water level from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	82.00	82.58	82.32	82.86	83.35	.....	80.76	79.99	79.86	79.85	79.58	80.52
2	82.06	82.11	82.35	83.03	83.33	.....	80.63	79.76	79.94	79.77	79.81	80.50
3	82.35	82.32	82.57	83.16	.....	82.13	80.60	79.88	79.88	79.60	79.76	80.10
4	82.20	82.23	82.64	82.94	.....	82.10	80.48	79.88	79.78	79.83	79.75	80.15
5	82.04	82.32	82.61	82.69	.....	82.05	80.45	79.99	79.80	79.95	79.78	80.61
6	82.26	.....	82.50	82.43	.....	81.84	80.37	80.02	79.81	80.28	79.69	80.68
7	82.15	.....	82.55	.....	.....	81.88	80.29	79.99	79.84	80.31	79.73	80.59
8	82.14	82.24	82.59	82.99	83.11	81.77	80.33	79.86	79.90	79.99	79.95	80.51
9	82.27	82.01	82.23	82.90	83.28	81.75	80.25	79.84	79.70	79.63	80.02	80.56
10	82.90	82.21	82.23	82.73	83.29	81.75	80.22	79.98	79.90	79.49	80.01	80.28
11	82.88	82.75	82.30	83.01	83.18	81.72	80.16	80.05	79.95	79.38	79.94	80.77
12	.....	82.76	82.29	83.07	83.26	81.72	80.05	80.03	79.95	79.49	79.99	80.93
13	.....	82.72	82.37	82.81	83.29	81.73	80.14	80.03	79.82	79.62	79.72	80.86
14	.....	81.98	82.65	82.39	83.27	81.62	80.10	79.89	79.80	79.47	79.72	80.52
15	.....	82.38	82.90	82.35	83.18	81.50	80.22	79.95	.....	79.47	79.70	80.50
16	.....	82.60	82.98	82.48	83.09	81.52	80.27	79.97	79.80	79.49	79.39	80.52
17	.....	82.69	82.82	82.85	83.19	81.62	80.15	80.01	79.68	79.84	79.43	80.37
18	.....	82.59	82.49	83.00	83.17	81.63	79.94	79.86	79.61	80.09	79.45	80.56
19	.....	82.43	82.27	83.25	83.27	81.58	79.99	79.90	79.50	80.14	79.44	80.77
20	.....	82.12	82.57	83.33	83.34	81.49	79.90	80.02	79.50	79.97	79.48	80.71
21	.....	82.67	82.66	83.20	83.25	81.39	79.97	80.07	79.78	79.76	79.52	80.82
22	.....	82.71	82.54	83.34	83.21	81.36	80.02	80.04	79.83	79.83	79.58	80.68
23	.....	82.42	82.56	83.33	83.22	81.41	80.05	79.98	79.81	79.87	79.50	80.62
24	82.31	82.40	82.53	83.12	83.21	81.23	80.17	79.99	79.80	79.90	79.35	80.82
25	82.32	82.36	82.03	83.17	83.28	80.96	80.18	79.85	79.75	79.73	79.61	80.76
26	82.33	82.35	.....	83.03	83.25	80.93	80.19	79.88	79.62	79.54	79.60	80.81
27	82.53	82.18	.....	82.98	83.18	80.97	80.08	79.88	79.54	79.66	79.50	80.85
28	82.56	82.25	82.76	83.03	82.85	80.88	79.94	79.94	79.53	79.53	79.32	80.91
29	82.48		82.79	83.13	83.14	80.70	80.00	79.96	79.51	79.39	80.53	80.87
30	82.63		82.83	83.18	.....	80.69	80.00	79.95	79.87	79.55	80.64	.....
31	82.62		82.86		.....		80.00	79.92		79.59		.....

Lf 121. Arthur Hancock. SE¼SE¼ sec. 35, T. 1 N., R. 2 E. Drilled unused well in Galena dolomite, diameter 6 inches, reported depth 300 feet. Land-surface datum is 1,130 feet above msl. Highest water level 70.15 below lsd, July 20, 1954; lowest 73.98 below lsd, Apr. 12, 1954. Records available: 1953-54. Recording gage installed Nov. 18, 1953.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 6, 1953	h71.13	Dec. 2, 1953	71.11	Dec. 12, 1953	71.27	Dec. 22, 1953	71.82
18	h70.94	3	71.00	13	70.92	23	71.85
24	70.52	4	71.10	14	71.04	24	71.62
25	70.76	5	71.25	15	71.43	25	71.48
26	70.93	6	70.99	16	71.80	26	71.52
27	71.41	7	71.04	17	71.92	27	71.50
28	71.49	8	71.08	18	71.82	28	71.41
29	71.30	9	71.03	19	71.41	29	71.64
30	71.44	10	70.95	20	71.17	30	71.76
Dec. 1	71.46	11	71.27	21	71.25	31	71.70

h Tape measurement.

Lf 121--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	71.64	72.48	72.84	73.55	73.56	.....	.....	.....	70.70	71.31	71.57	72.33
2	71.90	72.36	72.90	73.70	73.53	.....	71.15	.....	70.59	71.24	71.88	72.33
3	71.99	72.60	73.13	73.92	73.27	72.42	71.11	.....	70.76	71.11	71.87	71.90
4	71.87	72.51	73.22	73.74	73.26	72.77	70.97	.....	70.72	71.33	71.84	71.83
5	71.69	72.68	73.19	73.51	73.18	72.57	70.92	.....	70.72	71.45	71.87	72.44
6	71.97	.....	73.09	73.27	73.11	72.49	70.87	.....	70.77	71.86	71.71	72.55
7	71.87	.....	73.07	73.54	73.05	.....	70.81	.....	70.85	71.91	71.86	72.48
8	71.86	72.52	73.25	73.92	73.10	.....	70.85	.....	70.94	71.68	72.07	71.91
9	72.13	72.35	72.73	73.85	73.22	.....	70.74	.....	70.92	71.26	72.18	71.94
10	72.26	72.57	72.76	73.62	73.23	.....	70.68	.....	70.87	71.12	72.18	72.06
11	72.16	73.27	72.82	73.89	73.07	72.07	70.59	.....	70.95	70.94	72.12	72.21
12	72.51	73.28	72.80	73.98	73.12	.....	70.43	.....	70.99	71.18	72.19	72.42
13	72.48	72.82	72.92	73.79	73.18	.....	70.52	70.42	70.89	71.33	71.90	72.40
14	72.05	72.39	73.20	73.33	73.20	.....	70.46	70.30	70.90	71.23	71.89	72.00
15	.....	72.81	73.50	73.11	73.06	.....	70.57	70.57	.....	71.24	71.89	71.94
16	72.46	73.04	73.72	73.28	72.75	.....	70.64	70.42	.....	71.29	71.57	72.08
17	72.56	73.16	73.58	73.27	72.85	.....	70.52	70.46	70.74	71.60	71.58	71.84
18	72.20	73.07	73.16	73.54	72.87	71.87	70.26	70.31	70.68	71.99	71.58	71.97
19	72.08	72.91	73.02	73.79	72.83	71.85	70.30	70.38	70.57	72.33	71.57	72.11
20	72.56	72.61	73.18	73.84	72.90	71.60	70.21	70.49	70.58	71.86	71.62	72.33
21	72.78	73.01	73.29	73.77	72.76	71.42	70.27	70.60	70.94	71.74	71.68	72.32
22	72.69	73.02	73.27	73.86	72.66	71.44	70.30	70.60	71.14	71.76	71.75	72.31
23	72.47	72.77	73.19	73.88	72.62	71.54	70.33	70.60	71.20	71.81	71.67	72.11
24	72.46	72.74	73.18	73.78	72.59	71.38	70.41	70.62	71.10	71.86	71.45	72.33
25	72.48	72.64	72.95	73.80	72.70	.....	70.49	70.52	71.04	71.76	71.73	72.32
26	72.52	72.55	73.30	73.65	72.67	.....	70.52	70.57	70.91	71.53	71.77	72.37
27	72.72	72.68	73.30	73.48	72.49	.....	70.45	70.70	70.87	71.65	71.50	72.39
28	72.76	72.77	73.25	73.49	71.03	.....	70.22	70.70	70.86	71.53	71.35	72.48
29	72.71		73.32	73.49	72.16	.....	.....	70.72	70.92	71.33	72.28	72.47
30	72.94		73.36	73.43	.....	.....	.....	70.76	71.28	71.50	72.40	72.34
31	72.94		73.36		.....		.....	70.76		71.55		72.12

Langlade County

La 9. U. S. Geol. Survey. SW¼NE¼ sec. 35, T. 31 N., R. 10 E. Driven observation water-table well in sand, diameter 1¼ inches, depth 19 feet, cased to 17, well point. Land-surface datum is 1,470.06 feet above msl. Highest water level 10.29 below lsd, July 1, 1952; lowest 15.15 below lsd, Mar. 5, 1951. Records available: 1948-54. Jan. 6, 13.65; Mar. 3, 14.10; May 5, 13.21; July 7, 12.79; Aug. 31, 13.06; Nov. 10, 12.72.

La 26. U. S. Geol. Survey. SE¼NE¼ sec. 7, T. 31 N., R. 11 E. Driven unused well in sand, diameter 1¼ inches, depth 23 feet, cased to 23. Land-surface datum is 1,522.66 feet above msl. Highest water level 3.42 below lsd, June 2, 1945; lowest 10.98 below lsd, Jan. 5, 1954. Records available: 1944-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	10.98	Apr. 13	8.39	July 13	6.71	Oct. 12	7.61
12	10.02	20	8.72	20	6.89	20	6.95
19	10.35	27	8.09	28	7.08	27	6.90
26	10.17	May 4	7.40	Aug. 3	7.21	Nov. 2	6.99
Feb. 1	10.18	11	7.29	9	7.35	9	7.16
9	10.26	18	7.38	17	7.57	17	7.29
16	10.30	25	7.98	25	7.72	23	7.21
23	9.88	June 1	7.57	31	7.78	30	7.62
Mar. 2	9.89	9	7.69	Sept. 9	8.01	Dec. 8	7.49
9	9.90	16	7.58	14	8.89	15	7.75
16	10.11	22	7.25	22	8.49	21	7.85
23	9.60	29	6.38	29	7.62	29	8.06
Apr. 6	8.77	July 6	6.48	Oct. 5	7.67		

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, 1952-54. Jan. 6, 81.07; Mar. 3, 81.30; May 5, 81.31; July 7, 81.22; Aug. 31, 81.11; Nov. 10, 81.18.

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: 1948-54. Jan. 6, 22.91; Mar. 3, 23.20; May 5, 23.48; July 7, 23.58; Aug. 31, 23.57; Nov. 10, 23.59.

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: 1948-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	16.00	Apr. 5	15.35	June 28	14.05	Sept. 27	14.43
11	16.05	12	15.28	July 12	13.77	Oct. 4	14.64
18	16.11	19	15.03	19	13.90	11	14.56
25	16.15	26	14.95	26	14.05	18	14.48
Feb. 1	16.20	May 3	14.65	Aug. 2	14.12	25	14.34
8	16.24	10	14.44	9	14.23	Nov. 1	14.33
15	16.28	17	14.30	16	14.36	8	14.40
23	16.07	24	14.45	22	14.47	15	14.47
Mar. 1	15.94	31	14.55	30	14.59	29	14.60
8	16.00	June 7	14.50	Sept. 7	14.71	Dec. 6	14.71
15	16.10	14	14.64	13	14.71	13	14.75
22	15.91	21	14.45	20	14.50	20	14.70
29	15.52						

La 71. Fred Anstutz. SW¼NW¼ sec. 6, T. 31 N., R. 10 E. Dug and driven unused water-table well in sand, diameter 2 inches, reported depth 20 feet. Land-surface datum is 1,535.0 feet above msl. Highest water level 9.50 below lsd, Nov. 10, 1954; lowest 13.88 below lsd, Mar. 15, 1949. Records available: 1948-54. Jan. 6, 12.41; Mar. 3, 13.10; May 5, 11.44; July 7, 9.77; Aug. 31, 10.76; Nov. 10, 9.50.

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: 1948-54. Jan. 6, 10.02; Mar. 3, 10.09; May 5, 7.88; July 7, 8.22; Aug. 31, 9.34; Nov. 10, 8.42.

La 107. Carlsen. SW¼NW¼ sec. 26, T. 32 N., R. 12 E. Drilled domestic water-table well in sand, diameter 5 inches, reported depth 128 feet. Land-surface datum is 1,650.84 feet above msl. Highest water level 114.09 below lsd, Aug. 6, 1948; lowest 121.20 below lsd, May 5, 1954. Records available: 1948-54. Jan. 6, 120.38; Mar. 3, 120.94; May 5, 121.20; July 7, 119.23; Aug. 31, 117.34; Nov. 10, 117.47.

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: 1942-54.

Jan. 4	13.33	Apr. 5	12.97	July 6	10.85	Oct. 4	11.70
11	13.38	12	12.62	12	10.80	11	11.66
18	13.43	19	12.49	19	10.83	18	11.54
25	13.51	26	12.38	26	10.94	25	11.40
Feb. 1	13.54	May 3	12.06	Aug. 2	10.94	Nov. 1	11.36
8	13.59	10	11.72	9	11.09	8	11.37
15	13.63	17	11.58	16	11.21	16	11.31
22	13.56	24	11.54	23	11.33	22	11.44
Mar. 1	13.46	June 1	11.56	30	11.44	29	11.56
8	13.49	7	11.56	Sept. 7	11.57	Dec. 6	11.60
15	13.54	14	11.58	13	11.66	13	11.64
22	13.20	21	11.51	20	11.58	20	11.72
29	13.13	28	11.16	27	11.61	27	11.82

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: 1948-54.

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	6.27	5.78	4.82	4.07	4.71	3.66	5.62	5.95	4.85	4.47	5.14
2	5.94	6.24	5.80	4.93	4.07	4.75	3.68	5.58	5.98	4.94	4.49	5.13
3	5.91	6.29	5.83	5.00	3.98	4.75	3.64	5.58	6.00	4.94	4.45	5.18
4	5.91	6.33	5.83	5.05	3.87	4.71	3.70	5.63	5.97	4.00	4.49	5.20
5	5.96	6.33	5.88	5.15	3.97	4.73	3.71	5.63	5.88	....	4.52	5.19
6	5.96	6.33	5.90	5.16	4.01	4.73	3.70	5.64	5.88	....	4.47	5.24
7	5.99	6.36	5.89	5.00	4.00	4.78	3.81	5.67	5.69	4.80	4.51	5.27
8	6.02	6.30	5.89	4.83	4.08	4.82	3.87	5.65	5.74	4.81	4.52	5.26
9	5.99	6.33	5.92	4.87	4.11	4.82	3.90	5.49	5.78	4.80	4.53	5.34
10	5.99	6.35	5.91	4.85	4.10	4.94	3.97	5.47	5.53	4.77	4.63	5.38
11	6.00	6.32	5.92	4.88	4.21	4.99	3.98	5.46	5.53	4.65	4.66	5.36
12	5.95	6.34	5.93	4.94	4.27	4.99	4.01	5.43	5.54	4.65	4.65	5.40
13	6.05	6.36	5.89	4.95	4.32	4.98	4.21	5.51	5.29	4.70	4.72	5.41
14	6.08	6.31	5.91	5.01	4.43	5.00	4.33	5.51	5.11	4.70	4.73	5.36
15	6.07	6.26	5.92	5.04	4.49	5.00	4.44	5.58	5.11	4.48	4.69	5.44
16	6.06	6.27	5.91	4.80	4.49	4.79	4.62	5.58	5.02	4.26	4.74	5.47
17	6.09	6.22	5.90	4.76	4.60	4.76	4.73	5.50	....	4.31	4.80	5.46
18	6.07	6.17	5.92	4.81	4.65	4.75	4.78	5.63	....	4.32	4.87	5.45
19	6.11	6.14	5.75	4.81	4.65	4.79	4.95	5.69	....	4.30	4.95	5.46
20	6.13	6.00	5.60	4.92	4.76	4.81	5.05	5.69	....	4.40	4.96	5.41
21	6.12	5.93	5.62	4.94	4.81	4.44	5.05	5.81	....	4.43	4.91	5.49
22	6.17	5.87	5.57	4.59	4.81	4.35	5.14	5.85	....	4.43	4.93	5.51
23	6.19	5.76	5.49	4.62	4.88	4.38	5.23	5.77	4.78	4.55	4.99	5.46
24	6.15	5.78	5.54	4.64	4.89	4.38	5.23	5.80	4.85	4.56	5.08	5.50
25	6.16	5.80	5.55	4.43	4.89	4.39	5.32	5.85	4.85	4.46	5.09	5.53
26	6.18	5.78	5.32	4.39	5.00	4.09	5.36	5.85	4.89	4.53	4.99	5.47
27	6.17	5.80	4.94	4.39	5.04	3.66	5.38	5.91	4.90	4.53	5.06	5.46
28	6.20	5.82	4.65	4.02	4.88	3.63	5.56	5.97	4.86	4.40	5.07	5.49
29	6.24		4.68	4.04	4.83	3.64	5.65	5.97	4.88	4.45	5.03	5.48
30	6.24		4.78	4.07	4.88	3.56	5.65	5.89	4.89	4.50	5.12	5.52
31	6.26		4.82		4.86		5.62	5.95		4.49		5.54

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 97.85 below lsd, May 5, 1954. Records available: 1949, 1951-54. Jan. 6, 95.90; Mar. 3, 97.10; May 5, 97.85; July 7, 97.21; Aug. 31, 96.64; Nov. 10, 96.25.

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: 1944-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	6.08	Apr. 5	5.11	July 6	5.13	Oct. 5	5.85
10	6.06	11	5.18	12	5.33	12	5.64
17	6.39	18	5.19	19	5.87	20	5.11
24	6.23	27	4.79	26	6.16	26	5.01
31	6.23	May 3	4.56	Aug. 3	5.97	Nov. 1	5.22
Feb. 7	6.16	10	4.57	10	5.89	15	5.42
16	6.01	17	4.79	17	6.13	22	5.44
21	5.42	24	4.74	23	6.30	28	5.42
28	5.68	30	4.90	30	6.51	Dec. 5	5.62
Mar. 7	5.77	June 6	5.25	Sept. 7	6.36	12	5.70
16	5.83	14	5.27	15	5.59	19	5.70
21	5.36	21	5.19	21	5.58	26	5.75
28	5.23	28	4.96	28	5.64		

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: 1948-54.

Mr 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	33.45	Apr. 3	34.67	July 3	33.97	Oct. 2	34.21
9	33.55	10	34.62	10	33.87	9	34.23
16	33.65	17	34.59	17	33.97	23	34.17
23	33.75	24	34.77	24	34.02	30	34.12
30	33.92	May 1	34.95	31	34.12	Nov. 6	34.09
Feb. 6	34.07	8	34.47	Aug. 7	34.22	13	34.04
13	34.12	15	34.52	14	34.07	20	34.14
20	34.22	22	34.27	21	34.09	27	34.19
27	34.22	29	34.22	28	34.07	Dec. 4	34.24
Mar. 6	34.32	June 5	34.17	Sept. 4	34.09	11	34.27
13	34.42	12	34.27	11	34.12	18	34.30
20	34.57	19	34.35	18	34.17	25	34.42
27	33.57	26	34.12	25	34.19		

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 30.50 below lsd, Oct. 6, 1954. Records available: 1950-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	28.28	28.60	28.99	29.60	29.62	29.75	29.96	30.18	30.33	30.03	29.64
2	.....	28.31	28.60	29.03	29.57	29.57	29.74	30.03	30.15	30.20	30.18	29.61
3	.....	28.32	28.63	29.01	29.24	29.62	29.81	30.01	30.17	30.15	29.90	29.63
4	28.13	28.32	28.65	29.02	29.24	29.59	29.74	30.01	30.13	30.43	30.03	29.87
5	28.15	28.33	28.63	29.07	29.37	29.60	29.78	30.01	30.17	30.45	30.01	29.91
6	28.15	28.32	28.72	29.10	29.37	29.58	29.83	30.01	30.14	30.50	29.91	29.83
7	28.18	28.32	28.73	29.10	29.45	29.67	29.89	29.99	30.15	30.49	29.95	29.67
8	28.17	28.33	28.72	29.11	29.45	29.66	29.86	30.00	30.14	29.98	29.99	29.55
9	28.21	28.33	28.74	29.15	29.58	29.64	29.88	30.00	30.18	30.08	29.98	29.79
10	28.19	28.36	28.74	29.17	29.53	29.65	29.84	.....	30.13	30.05	29.80	29.78
11	28.22	28.37	28.75	29.17	29.51	29.66	29.84	.....	30.15	29.95	29.89	29.70
12	28.20	28.36	28.80	.....	29.61	29.67	29.88	.....	30.12	30.17	29.89	29.70
13	28.20	28.37	28.77	.....	29.53	29.68	29.91	.....	30.21	.....	29.87	29.57
14	28.23	28.37	28.77	.....	29.55	29.65	29.89	.....	30.21	29.90	30.04	29.57
15	28.24	28.46	28.80	.....	29.50	29.68	29.91	.....	.....	30.00	29.82	29.65
16	28.24	28.46	28.81	.....	29.56	29.69	29.85	30.06	30.18	30.03	29.81	29.67
17	28.24	28.46	28.81	.....	29.57	29.70	29.83	30.06	30.21	30.29	29.87	29.64
18	28.23	28.46	28.84	.....	.....	29.70	29.89	30.09	30.12	30.29	29.88	29.81
19	28.25	28.47	28.87	.....	.....	29.70	29.90	30.08	30.21	30.31	29.86	29.80
20	28.25	28.47	28.86	29.37	.....	29.70	29.95	30.09	30.19	29.97	29.84	29.77
21	28.25	28.54	28.86	29.37	.....	29.70	29.95	30.08	30.26	29.94	29.84	29.77
22	28.23	28.53	28.80	29.39	.....	29.85	.....	30.08	30.20	29.99	29.77	29.64
23	28.20	.....	28.89	29.41	.....	29.85	.....	30.05	30.18	30.02	29.73	29.81
24	28.26	.....	28.87	29.44	.....	29.73	.....	30.08	30.19	30.03	29.93	29.80
25	28.26	.....	28.97	29.40	29.61	29.75	.....	30.07	30.21	29.83	29.92	29.65
26	28.28	.....	28.96	29.41	29.62	29.79	.....	30.08	30.15	29.86	29.69	.....
27	28.28	.....	28.90	29.55	29.62	29.79	29.94	30.07	30.28	29.91	29.69	.....
28	28.28	.....	28.93	29.53	29.62	29.72	29.96	30.09	30.25	29.82	29.70	.....
29	28.29		28.96	29.47	29.52	29.73	29.99	30.08	30.27	29.95	29.97	.....
30	28.30		28.96	29.44	29.64	29.74	29.97	30.11	30.35	30.05	29.97	.....
31	28.29		28.99		29.64		30.01	30.13		30.03		.....

Mr 8. William Pacholke, Sr. SW¼SW¼ sec. 18, T. 28 N., R. 2 E. Drilled unused water-table well in sand of Pleistocene age, diameter 7 inches, depth 48 feet. Highest water level 1.42 below lsd, Apr. 8, 1953; lowest 6.20 below lsd, Nov. 19, 1953. Records available: 1953-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 8, 1953	1.42	July 1, 1953	3.30	Feb. 10, 1954	5.92	Aug. 12, 1954	4.63
May 4	1.69	Sept. 16	5.62	Mar. 24	5.41	Oct. 21	1.65
June 3	3.96	Nov. 19	6.20	June 10	4.19		

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: 1944-54.

Mr 27--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9	8.39	Mar. 27	8.78	July 10	6.94	Nov. 8	3.73
16	8.42	Apr. 3	8.75	24	7.49	16	4.79
23	8.51	10	8.93	Aug. 21	8.07	23	5.57
30	8.38	24	8.78	Sept. 18	6.29	29	5.68
Feb. 6	8.47	May 1	8.03	Oct. 9	4.59	Dec. 6	5.88
13	8.52	8	7.44	16	3.95	12	5.79
Mar. 6	8.97	17	7.79	23	4.25	18	5.64
20	8.79	June 24	7.67	Nov. 1	3.33	29	6.69

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: 1944-54.

Jan. 4	21.56	Apr. 5	21.82	July 5	22.30	Oct. 4	22.52
11	21.61	12	21.93	12	22.32	11	22.48
18	21.65	19	22.02	19	22.35	18	22.90
25	21.72	26	22.05	27	22.38	25	22.40
30	21.95	May 3	22.05	Aug. 2	22.38	Nov. 2	22.32
Feb. 1	21.76	10	22.08	9	22.40	8	22.27
8	21.85	17	22.14	16	22.43	15	22.23
15	21.92	24	22.17	23	22.46	29	22.17
22	21.95	31	22.19	30	22.47	Dec. 6	22.16
Mar. 8	21.97	June 6	22.25	Sept. 7	22.50	13	22.11
15	22.06	14	22.28	13	22.52	20	22.10
22	21.95	21	22.30	20	22.52	27	22.10
29	21.69	28	22.25	27	22.90		

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: 1946-54. Jan. 7, 16.81; Mar. 3, 15.55; May 4, 20.86; July 7, 23.39; Sept. 9, 28.19; Nov. 17, 26.24.

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: 1947-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.26	25.31	24.64	25.30	24.74	23.26	23.92	25.65	25.86	25.26	25.15	25.36
2	.....	25.85	25.39	25.40	24.88	23.60	24.15	24.19	25.96	25.33	25.05	25.40
3	24.75	26.20	25.89	25.48	23.51	23.60	24.31	24.95	26.10	25.08	24.84	25.33
4	25.40	26.25	25.90	25.53	24.05	23.87	23.00	25.37	26.10	23.97	24.93	25.40
5	25.36	26.32	26.00	25.64	24.30	24.30	19.35	25.46	26.10	24.45	25.06	25.50
6	25.71	26.27	25.95	25.50	24.42	24.52	20.57	24.78	22.88	24.68	25.20	24.71
7	25.89	26.44	26.11	25.42	24.42	23.91	22.05	26.13	23.60	24.74	25.10	25.14
8	25.91	26.54	26.22	25.45	24.48	24.52	22.92	26.13	24.72	24.73	23.84	25.35
9	26.16	26.59	26.13	25.33	24.86	24.80	23.46	24.41	25.10	24.89	24.65	25.45
10	26.20	26.61	26.17	25.30	24.90	25.01	23.56	25.15	25.17	24.90	25.08	.....
11	24.71	26.60	26.13	25.40	24.80	25.15	23.76	25.65	25.60	23.40	25.40	25.61
12	25.52	.....	26.15	.....	24.54	25.15	22.85	25.88	25.68	24.02	25.45	25.64
13	25.80	.....	26.25	.....	24.54	25.40	23.61	26.00	23.98	24.40	25.44	25.63
14	25.92	.....	26.41	.....	24.50	24.70	24.06	26.13	24.61	24.36	25.50	25.63
15	26.03	25.80	25.39	24.81	24.50	24.53	24.42	26.16	25.02	24.63	25.37	25.50
16	26.19	26.32	.....	25.07	24.71	24.57	24.90	24.33	25.23	24.89	25.28	25.45
17	.....	26.59	.....	25.06	23.45	25.06	25.10	25.27	25.22	24.70	25.30	25.32
18	24.78	26.50	.....	25.10	23.96	24.91	25.20	25.41	25.61	23.11	25.27	25.38
19	25.51	26.41	.....	24.25	24.37	25.06	24.85	25.76	25.52	23.83	25.25	25.31
20	25.97	26.34	.....	24.93	24.57	.....	25.43	26.30	23.80	24.20	25.24	24.59
21	26.20	26.25	.....	24.94	24.78	23.34	25.95	26.50	24.72	24.35	25.28	24.98
22	26.35	26.50	26.10	24.91	25.34	23.71	25.72	26.20	24.72	24.51	24.30	24.03
23	26.23	26.28	25.83	25.10	25.26	23.67	25.72	24.25	25.15	24.71	24.65	.....
24	26.50	26.50	25.81	25.10	24.82	23.55	26.20	25.61	25.15	.....	25.08	25.11
25	26.55	26.31	25.55	25.28	25.13	23.50	26.00	25.62	25.53	23.44	25.00	23.30

Mt 5--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	26.49	26.20	25.71	23.49	25.22	23.50	25.70	25.60	25.61	24.03	25.14	20.70
27	26.41	26.20	25.53	24.09	25.00	23.67	25.89	25.76	24.45	24.32	.....	22.57
28	26.40	26.18	25.75	24.23	24.79	22.12	25.74	25.98	24.98	24.30	25.10	23.35
29	26.30		24.12	24.30	24.81	22.95	25.71	.....	25.20	24.45	25.47	23.95
30	.....		24.88	24.49	25.50	23.60	25.95	25.31	25.15	24.81	25.41	24.38
31	.....		25.20		22.91		25.82	25.81		25.00		24.29

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: 1948-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	22.21	Apr. 6	21.92	July 6	21.17	Oct. 5	21.45
12	22.24	13	21.64	13	21.27	12	21.45
19	22.26	20	21.50	20	21.40	19	21.40
26	22.28	27	21.41	27	21.45	26	21.25
Feb. 2	22.30	May 4	21.11	Aug. 3	21.50	Nov. 2	21.27
9	22.32	11	20.94	10	21.55	9	21.29
16	22.34	18	20.94	17	21.85	16	21.34
23	22.20	25	21.02	24	21.75	23	21.43
Mar. 2	22.26	June 1	21.03	31	21.80	30	21.52
9	22.36	8	21.03	Sept. 7	21.50	Dec. 7	21.58
16	22.30	15	21.15	14	21.50	14	21.64
23	22.23	22	21.11	21	21.47	21	21.70
30	21.91	29	21.04	28	21.45	28	21.74

Mt 9. Fox River Valley Girl Scouts. W. M. P. No. 32. SW¼NE¼ sec. 18, T. 35 N., R. 22 E. Drilled domestic water-table well in glacial till, diameter 6 inches, depth 75 feet. Highest water level 7.67 below lsd, Apr. 18, May 3, June 1, 1951; lowest 10.67 below lsd, Oct. 31, 1952. Records available: 1950-54.

Jan. 29	8.42	Apr. 29	8.17	July 30	8.25	Nov. 1	8.16
Mar. 1	8.42	June 2	8.33	Aug. 30	8.42	30	8.33
30	8.50	July 1	8.17	Sept. 29	8.23		

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: 1949-54. July 6, 42.82; Aug. 30, 43.10; Nov. 9, 42.07.

Mq 7. J. Croarken. NW¼SE¼ sec. 33, T. 16 N., R. 10 E. Drilled unused well, diameter 6 inches. Highest water level 30.78 below lsd, May 20, 1952; lowest 34.66 below lsd, May 3, 1954. Records available: 1949-54. Jan. 5, 33.63; Mar. 2, 33.48; May 3, 34.66; July 6, 32.80; Aug. 30, 32.74; Nov. 9, 32.10.

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: 1949-54. Jan. 5, 16.20; Mar. 2, 16.46; May 3, 16.25; July 8, 15.92; Aug. 30, 16.07; Nov. 9, 15.45.

Mq 11. U. S. Geol. Survey. NW¼SW¼ sec. 17, T. 15 N., R. 9 E. Driven unused water-table well in fine sand, diameter 1¼ inches, depth 12 feet, cased to 12, well point. Highest water level 0.57 below lsd, May 3, 1954; lowest 3.40 below lsd, Nov. 3, 1953. Records available: 1950-54. Jan. 5, 2.64; Mar. 2, 1.84; May 3, 0.57; July 8, 0.93; Aug. 30, 2.72; Nov. 9, 1.56.

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: 1952-54. Jan. 15, 132.83; Mar. 10, 137.05; May 11, 131.39; Sept. 15, 123.14; Dec. 7, 134.87.

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: 1946-54. Jan. 15, 56.03; Mar. 10, 55.49; May 11, 54.36; July 14, 55.38; Dec. 7, 53.70.

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: 1946-54. Jan. 15, 70.11; Mar. 10, 71.00; May 11, 69.82; July 14, 69.63; Sept. 15, 69.91; Dec. 7, 71.15.

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: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	189.80	182.35	180.65	176.72	179.40	186.27	189.60	196.00	194.03	195.00	193.41	193.56
2	189.50	182.00	.....	176.70	179.40	186.48	189.68	195.55	194.10	194.88	193.61	192.91
3	189.45	181.81	179.63	176.47	179.13	186.32	189.65	196.10	194.38	194.66	193.60	192.51
4	189.35	181.56	179.59	176.32	179.10	186.60	189.70	195.90	194.40	194.74	193.11	192.26
5	188.83	181.52	179.52	176.07	179.05	186.64	189.80	195.76	194.50	194.82	193.20	192.42
6	188.50	181.50	179.32	175.82	179.00	186.65	189.79	195.80	.....	195.00	192.77	192.60
7	188.29	181.50	179.19	175.89	178.95	186.62	189.70	195.60	194.75	195.06	192.74	192.55
8	188.10	180.97	179.22	176.30	179.02	186.58	189.72	195.50	195.28	194.80	193.75	192.15
9	187.50	180.68	179.04	176.27	179.22	186.54	189.68	195.37	195.40	194.45	193.77	.....
10	187.54	180.54	179.01	176.16	179.30	186.58	189.58	195.55	195.80	194.30	193.20	191.80
11	187.00	180.91	179.05	176.65	179.38	186.60	189.50	195.70	196.10	193.95	193.20	.....
12	186.92	180.90	179.00	176.80	180.09	186.72	189.22	195.70	196.25	193.98	193.22	.....
13	186.78	.....	178.70	176.72	180.23	186.88	189.25	195.60	196.42	193.98	193.13	191.36
14	186.26	.....	178.73	176.70	180.35	186.93	189.08	195.78	196.50	193.80	193.18	191.27
15	186.00	.....	178.90	176.65	180.36	188.10	189.20	195.95	196.52	193.70	193.20	190.97
16	185.65	.....	178.90	177.10	180.42	187.60	189.20	195.82	196.50	.....	192.94	191.00
17	185.64	181.76	178.80	177.22	180.72	187.90	.....	195.05	196.60	193.82	193.00	190.82
18	185.25	181.56	178.50	177.53	180.59	188.10	.....	194.70	196.65	194.08	193.00	.....
19	184.92	a184.13	178.10	177.92	181.00	.....	.....	194.29	196.40	194.18	193.01	190.48
20	184.70	a184.15	177.91	178.13	181.30	188.40	.....	194.12	.....	193.93	193.22	190.47
21	184.73	a184.42	177.92	178.20	181.50	188.40	190.32	193.98	.....	193.72	193.30	190.26
22	184.63	a184.46	177.72	178.45	181.80	188.50	190.70	193.80	195.60	193.70	193.50	190.07
23	184.26	181.35	177.40	178.60	.....	188.68	191.10	193.59	195.90	193.58	193.47	189.64
24	183.76	180.90	177.19	178.60	.....	.....	191.55	193.60	195.59	193.60	193.18	189.66
25	183.72	180.91	176.67	178.84	183.40	188.36	192.00	.....	195.40	193.52	193.32	189.62
26	183.43	180.95	176.87	178.79	184.05	188.80	192.50	193.90	195.25	193.36	193.33	.....
27	183.32	180.67	176.80	179.00	184.30	189.05	192.98	194.00	195.20	193.37	.....	.....
28	183.25	180.69	176.43	179.21	184.60	189.16	193.42	194.03	195.03	193.36	.....	189.12
29	182.97		176.42	179.32	.....	189.30	194.07	194.00	194.92	193.02	193.20	.....
30	182.80		176.39	179.35	.....	189.43	194.55	194.08	195.00	193.15	193.27	189.12
31	182.80		176.38		.....		195.95	194.10		193.17		188.73

a Pumping at rate of 10 gpm.

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: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	52.25	51.51	52.95	46.71	51.50	51.50	55.07	53.50	54.56	55.23	49.80	.....
2	53.30	51.10	53.18	48.20	49.50	51.83	54.80	55.05	54.96	55.00	50.30	.....
3	51.85	51.29	52.89	48.53	.....	51.88	54.39	55.17	55.05	53.05	50.16	.....
4	53.95	52.12	53.70	48.69	.....	51.76	52.50	55.14	54.66	54.85	53.60	.....
5	53.85	51.89	53.19	48.70	.....	52.03	49.90	55.59	52.45	54.87	53.50	.....
6	54.30	53.02	53.05	48.50	.....	49.70	53.32	55.48	50.10	55.01	53.92	52.84
7	54.90	51.55	51.45	48.54	.....	52.00	53.83	55.32	54.20	55.53	52.00	52.61
8	54.31	53.34	53.20	48.40	.....	52.62	53.94	53.20	54.63	54.35	54.20	53.13
9	54.64	53.27	52.99	47.40	.....	52.24	53.81	55.10	55.00	54.34	54.58	53.85
10	52.85	53.15	52.59	46.70	.....	53.33	53.68	55.39	55.03	52.40	53.90	53.71
11	54.51	53.97	53.50	46.60	.....	53.21	51.65	55.10	54.87	54.41	54.85	53.65
12	53.94	53.40	53.82	46.60	.....	53.40	53.42	55.30	52.60	54.51	54.35	51.80
13	53.98	52.50	53.11	46.30	.....	50.70	53.67	54.96	54.52	54.36	53.80	53.70
14	55.05	51.00	51.30	46.07	.....	53.32	54.68	54.68	54.62	54.97	52.05	53.07
15	54.70	53.42	51.33	46.06	.....	53.54	55.34	52.25	54.46	53.77	53.71	54.00
16	54.81	53.57	51.46	46.27	.....	53.45	55.26	54.51	55.11	53.60	54.02	54.31
17	52.75	53.57	49.50	46.30	.....	54.05	55.02	54.68	54.94	51.80	54.30	54.21
18	54.50	54.05	47.80	46.38	.....	54.10	52.60	54.42	54.76	53.16	54.88	53.56
19	54.40	53.35	47.08	46.52	.....	53.94	54.72	55.05	52.15	53.29	54.06	51.70
20	54.41	52.95	46.69	46.59	.....	50.80	55.21	55.07	54.55	53.37	53.83	53.17

Ml 45--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	53.41	51.30	46.49	46.41	.....	53.50	55.28	55.07	54.56	53.95	51.85	52.17
22	52.62	53.12	46.00	50.00	.....	.....	55.70	52.50	54.82	53.64	53.21	53.38
23	51.60	53.02	45.79	50.15	.....	.....	55.44	54.50	55.43	54.40	52.22	53.59
24	49.45	52.80	45.74	50.77	.....	.....	55.13	54.80	54.77	52.25	50.70	53.60
25	51.81	53.70	45.80	51.11	.....	.....	53.15	54.63	54.65	54.12	50.05	51.53
26	53.32	53.26	46.05	.....	.....	.....	55.07	55.26	52.25	54.30	53.43	49.70
27	53.28	53.58	46.03	.....	51.76	.....	55.05	55.07	54.50	53.47	53.02	53.05
28	53.55	51.50	45.91	50.13	51.88	53.11	54.82	54.98	54.73	53.60	51.30	51.80
29	52.40		45.91	51.63	52.07	54.08	55.36	52.80	54.72	52.50	.....	52.42
30	51.89		45.98	51.10	50.00	54.62	55.39	54.67	55.40	50.23	.....	52.96
31	50.20		46.00		47.90		55.21	54.75		49.88		51.57

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: 1946-54. Jan. 28, 102.48; Mar. 30, 95.80; May 27, 103.00; July 28, 107.29; Sept. 27, 107.11; Dec. 6, 102.72.

Ml 79. Forest Home Cemetery. SW¼NW¼ sec. 7, T. 6 N., R. 22 E. Drilled unused artesian well in sandstone of Cambrian age, diameter 6 inches, reported depth 1,605 feet, cased to 200. Land-surface datum is 663 feet above msl. Highest water level 153.24 below lsd, May 19, 1947; lowest 230.38 below lsd, Aug. 2, 1951. Records available: 1946-54. Jan. 14, 216.80; Mar. 10, 216.90; May 11, 213.15; July 14, 213.83; Sept. 15, 216.32; Dec. 6, 208.64.

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: 1946-54. July 29, 151.38; Oct. 29, 150.09.

Ml 91. Village of Greendale. NE¼NE¼ sec. 34, T. 6 N., R. 21 E. Drilled public-supply artesian well in sandstone, diameter 16 to 12 inches, reported depth 1,855 feet, cased to 487. Land-surface datum is 760 feet above msl. Highest water level 200.17 below lsd, June 6, 1946; lowest 251.87 below lsd, Oct. 20, 1953. Records available: 1946-54. Mar. 10, 250.14; May 11, 247.24; July 14, 247.44; Sept. 15, 247.88; Nov. 30, 247.01.

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 245.16 below lsd, Jan. 14, 1954. Records available: 1946-54. Jan. 14, 245.16; Mar. 10, 243.35; May 11, 241.71; July 14, 242.24; Sept. 15, 242.99; Nov. 30, 244.49.

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 124.42 below lsd, Mar. 11, 1954. Records available: 1952-54. Jan. 14, 123.01; Mar. 11, 124.42; May 11, 122.36; July 14, 122.18; Sept. 16, 122.79; Nov. 30, 122.97.

Ml 118. A. Schaefer. NE¼NW¼ sec. 35, T. 8 N., R. 21 E. 5465 North 51st St., Milwaukee. 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: 1946-54. Feb. 25, 41.12; Mar. 10, 41.29; May 11, 41.02; July 14, 39.17; Sept. 15, 41.28; Dec. 7, 41.51.

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 100.05 below lsd, July 28, 1954. Records available: 1946-49, 1951-54. Jan. 28, 98.23; Mar. 30, 98.24; May 27, 98.27; July 28, 100.05; Sept. 27, 99.47; Dec. 29, 98.98.

Ml 121. Milwaukee Equipment Co. NW¼NW¼ sec. 13, T. 5 N., R. 22 E. 311 Marion St., Milwaukee. 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 66.85 below lsd, Mar. 16, 1954. Records available: 1946-54.

MI 121--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	65.99	66.37	66.03	66.44	66.20	65.83	66.21	65.95	66.04	66.13	65.87	66.36
2	65.96	65.80	66.13	66.60	66.20	65.90	66.20	65.78	65.87	66.08	66.16	66.30
3	66.37	66.02	66.32	66.77	65.95	65.75	66.17	65.86	66.09	65.79	66.15	65.96
4	66.29	65.95	66.45	66.67	65.94	66.00	66.08	65.91	66.08	66.10	66.08	66.03
5	65.96	66.08	66.46	66.39	65.95	66.12	66.08	66.02	66.09	66.23	66.18	66.50
6	66.19	66.46	66.33	66.12	65.92	66.15	66.03	66.07	66.07	66.67	65.81	66.66
7	66.23	66.49	66.34	66.35	65.97	66.01	65.98	66.06	66.04	66.75	66.01	66.53
8	66.24	65.88	66.44	66.74	65.98	66.10	66.06	65.95	66.17	66.45	66.41	66.02
9	66.32	65.79	66.03	66.72	66.17	66.00	66.07	65.89	66.13	65.98	66.49	65.90
10	66.37	65.98	66.04	66.37	66.17	66.02	66.07	66.06	66.01	65.83	66.52	66.19
11	66.19	66.67	66.17	66.73	66.13	66.00	66.02	66.13	66.10	65.59	66.41	66.20
12	66.57	66.72	66.21	66.81	66.25	66.01	65.84	66.16	66.17	65.81	66.48	66.31
13	66.53	66.30	66.06	66.41	66.30	66.09	65.93	66.17	66.06	65.97	66.22	66.25
14	66.10	65.78	66.43	65.96	66.30	65.99	65.93	65.98	66.04	65.73	66.14	65.90
15	66.11	66.18	66.76	65.90	66.17	65.90	66.12	66.02	66.07	65.75	66.13	65.84
16	66.48	66.43	66.85	65.97	66.04	65.97	66.19	66.13	66.13	66.26	65.73	65.95
17	66.58	66.55	66.72	66.02	66.15	66.13	66.08	66.16	66.03	66.57	65.79	65.77
18	66.15	66.49	66.42	66.24	66.17	66.19	65.84	65.95	65.94	66.61	65.72	65.77
19	66.06	66.36	65.96	66.56	66.25	66.15	65.90	66.01	65.64	66.43	65.65	66.00
20	66.55	65.88	66.41	66.53	66.31	66.00	65.81	66.18	65.71	66.21	65.76	66.02
21	66.68	66.27	66.50	66.39	66.25	65.94	65.92	66.27	65.93	66.25	65.79	66.09
22	66.62	66.37	66.34	66.52	66.25	66.11	65.96	66.25	66.18	66.34	65.85	65.80
23	66.37	66.01	66.40	66.52	66.27	66.22	65.98	66.12	66.25	66.36	65.72	65.80
24	66.23	65.88	66.41	66.31	66.12	66.13	66.08	66.12	66.13	66.38	65.48	66.10
25	66.27	65.92	66.13	66.31	66.25	65.96	66.15	65.98	65.99	66.16	65.83	66.09
26	66.22	65.81	66.50	65.99	66.33	66.10	66.17	66.06	65.84	65.92	65.84	66.13
27	66.50	65.85	66.47	66.12	66.14	66.23	66.06	66.06	65.38	65.95	65.34	66.16
28	66.52	66.01	66.32	66.09	65.73	66.24	65.91	66.11	65.83	65.77	65.60	66.17
29	66.14		66.35	66.10	66.01	66.11	65.84	66.07	66.83	65.61	.....	66.10
30	66.55		66.37	66.10	66.14	66.07	65.98	66.09	66.03	65.87	66.47	65.92
31	66.52		66.41		65.94		65.97	66.07		65.94		65.89

MI 125. Good Hope Cemetery. SE¼NE¼ sec. 23, T. 6 N., R. 21 E. South 43d St. and West Cold Spring Rd. Drilled unused artesian well in sandstone and limestone, diameter 12 inches, reported depth 700 feet. Land-surface datum is 770 feet above msl. Highest water level 105.34 below lsd, Nov. 30, 1946; lowest 153.67 below lsd, Apr. 27, 1953. Records available: 1946-54. Jan. 14, 133.51; Mar. 10, 134.26; May 11, 141.89; July 14, 139.04; Nov. 30, 130.70.

MI 130. Milwaukee County. Greenfield Park. NW¼NW¼ sec. 6, T. 6 N., R. 21 E. Drilled public supply well in limestone, diameter 10 inches, reported depth 500 feet. Land-surface datum is 788 feet above msl. Highest water level 55.52 below lsd, June 3, 1947; lowest 64.39 below lsd, Sept. 2, 1953. Records available: 1946-54. Jan. 14, 63.32; Mar. 10, 62.40; May 11, 61.93; July 14, 62.30; Sept. 15, 61.83; Nov. 30, 60.82.

MI 132. White Manor Water Cooperative. 52d and West Dakota Sts., SE¼SW¼ sec. 11, T. 6 N., R. 21 E. Drilled unused artesian well in sandstone and limestone, diameter 12 to 8 to 6 inches, reported depth 1,115 feet. Land-surface datum is 730 feet above msl. Highest water level 190.96 below lsd, June 5, 1947; lowest 257.98 below lsd, Oct. 15, 1953. Records available: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	246.08	244.63	243.14	240.11	240.02	237.00	241.67	239.86	239.38	239.53	238.85	235.33
2	245.96	244.11	242.63	240.54	240.02	236.86	241.59	239.71	240.32	239.63	238.28	235.35
3	245.35	244.30	242.39	240.74	239.46	236.74	241.44	239.27	240.81	239.48	238.27	235.44
4	244.72	244.59	242.61	240.67	239.18	236.98	241.07	239.06	241.05	239.36	238.49	235.80
5	243.58	244.77	242.66	240.47	238.83	237.20	240.40	238.95	241.21	239.54	238.73	236.04
6	242.88	245.18	242.67	239.92	238.72	237.14	239.60	239.15	241.31	239.80	239.07	235.91
7	242.62	245.21	242.55	240.10	238.75	236.79	238.44	239.28	241.35	239.86	239.06	235.80
8	242.65	244.78	242.50	240.85	238.66	236.54	237.97	239.22	241.57	239.63	239.05	235.47
9	242.85	244.39	241.53	240.87	238.63	237.06	237.53	239.10	241.53	239.35	239.08	235.45
10	242.90	244.80	241.35	240.83	238.50	237.80	237.17	238.87	241.77	239.17	239.30	235.67
11	242.52	245.35	241.39	241.04	238.07	238.45	236.71	238.85	242.41	238.75	239.85	235.85
12	242.53	245.35	241.45	241.02	238.26	239.33	235.85	238.70	242.41	238.83	240.05	235.95
13	242.60	245.13	241.54	240.75	238.37	239.83	235.37	238.46	242.03	239.07	240.05	235.95
14	243.10	244.55	241.60	240.64	238.40	240.10	235.20	238.27	241.57	239.22	240.02	235.48
15	243.45	244.30	241.55	240.67	238.45	240.75	235.19	238.37	241.72	239.37	239.93	235.07

Ml 132--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	244.09	244.49	241.33	241.10	238.22	241.50	235.06	238.32	241.79	239.64	239.21	235.11
17	244.13	244.62	241.10	241.15	238.81	242.35	234.87	238.35	241.78	239.81	238.86	235.05
18	243.96	244.78	240.70	241.17	237.43	242.98	234.68	238.23	241.80	239.82	238.55	235.07
19	243.61	244.80	240.52	241.22	237.58	243.40	234.15	238.60	241.87	239.62	238.30	235.04
20	244.01	244.60	240.82	241.05	237.88	243.53	234.23	239.08	241.88	239.48	238.05	234.65
21	244.29	244.70	240.79	240.84	238.27	243.43	234.72	239.28	241.75	239.41	237.85	233.88
22	244.36	244.71	240.35	241.11	238.94	243.12	235.53	239.32	241.85	239.47	237.43	233.45
23	244.43	244.28	239.73	241.19	238.75	243.27	236.17	239.32	241.75	239.73	237.10	233.28
24	244.52	243.80	239.65	241.01	238.55	243.40	237.16	239.35	241.12	239.70	236.67	233.57
25	244.53	243.65	239.70	240.78	239.03	243.72	237.18	239.77	240.58	239.32	236.64	233.57
26	244.18	243.65	240.30	240.36	239.14	243.86	238.08	240.30	240.15	238.68	236.50	233.05
27	244.32	243.35	240.35	239.77	238.92	243.92	238.65	240.70	239.55	238.82	235.86	232.50
28	244.74	243.31	240.22	239.88	238.36	243.40	238.70	240.92	238.95	238.80	235.61	231.83
29	244.76		240.10	239.88	238.17	242.57	238.95	240.90	238.53	238.80	235.60	231.83
30	244.96		239.79	239.89	238.14	242.00	239.40	240.81	239.07	239.15	235.60	232.26
31	244.95		239.99		237.70		239.85	240.65		239.16		232.33

Ml 135. Leonard Budzein. 920 W. 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: 1946-54. Jan. 14, 11.50; Mar. 11, 11.49; May 11, 9.60; June 29. 7.70; July 14, 7.43; Nov. 30, 11.23.

Ml 146. Stanley Larsen. 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: 1946-54. Jan. 15, 68.01; Mar. 10, 67.42; May 11, 67.70; July 14, 69.24; Sept. 15, 69.28; Dec. 7, 68.51.

Ml 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: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	32.83	32.95	33.17	33.40	33.12	32.71	31.35	30.48	30.48	31.43	30.30	30.96
2	32.90	32.96	33.17	33.54	33.10	32.78	31.23	30.30	30.38	31.17	30.58	30.89
3	33.15	33.27	33.28	33.64	32.90	32.60	31.27	30.38	30.64	30.90	30.55	30.63
4	33.03	33.18	33.33	33.50	32.89	32.65	31.13	30.40	30.55	31.00	30.47	30.81
5	32.80	33.27	33.30	33.30	32.86	32.54	31.15	30.43	30.56	30.90	30.55	31.12
6	32.95	33.45	33.19	33.25	32.83	32.34	31.07	30.44	30.72	30.90	30.56	31.14
7	32.95	33.45	33.25	33.41	32.84	32.05	30.90	30.43	30.62	30.88	30.51	31.01
8	32.95	33.02	33.31	33.71	32.84	32.02	30.84	30.35	30.71	30.51	30.67	30.67
9	33.05	33.11	33.12	33.60	32.92	31.87	30.65	30.40	30.62	30.26	30.88	30.88
10	33.10	33.26	33.18	33.32	32.92	31.81	30.50	30.48	31.54	30.23	30.72	31.03
11	32.92	33.62	33.30	33.53	32.83	31.78	30.35	30.57	32.20	30.00	30.64	31.03
12	33.16	33.62	33.30	33.63	32.88	31.72	30.18	30.49	32.43	30.00	30.67	31.03
13	33.11	33.30	33.27	33.34	32.89	31.78	30.25	30.46	32.53	29.80	30.48	31.00
14	32.87	33.05	33.47	33.17	32.85	31.70	30.20	30.28	32.68	30.11	30.60	30.77
15	32.87	33.34	33.59	33.15	32.77	31.63	30.30	30.29	32.82	29.95	30.60	30.91
16	33.13	33.35	33.64	33.35	32.69	31.63	30.33	30.45	32.84	29.93	30.45	31.12
17	33.20	33.36	33.49	33.35	32.86	31.75	30.18	30.45	32.82	29.81	30.52	31.00
18	32.99	33.26	33.25	33.43	32.81	31.70	30.12	30.33	32.82	29.60	30.55	31.05
19	32.92	33.10	33.15	33.60	32.83	31.69	30.22	30.41	32.78	29.76	30.54	31.23
20	33.24	32.93	33.51	33.59	32.85	31.57	30.17	30.48	32.85	29.90	30.64	31.16
21	33.45	33.23	33.55	33.41	32.80	31.50	30.31	30.52	33.02	29.92	30.66	31.22
22	33.46	33.33	33.40	33.47	32.80	31.49	30.30	30.50	33.14	29.85	30.71	31.03
23	33.14	33.11	33.46	33.50	32.78	31.55	30.30	30.40	33.18	29.82	30.63	31.13
24	33.01	32.97	33.44	33.32	32.72	31.40	30.38	30.43	33.20	29.81	30.67	31.32
25	33.12	33.04	33.29	33.38	32.79	31.26	30.44	30.37	33.12	29.93	30.88	31.30
26	33.10	33.00	33.61	33.25	32.85	31.30	30.48	30.50	33.00	30.00	30.88	31.23
27	33.24	33.10	33.57	33.21	32.70	31.40	30.44	30.54	33.02	30.27	30.59	31.22
28	33.24	33.17	33.36	33.26	32.51	31.35	30.65	30.56	33.06	30.17	30.70	31.05
29	33.02		33.42	33.13	32.82	31.24	30.54	30.42	32.02	30.19	31.20	30.95
30	33.30		33.44	33.08	32.90	31.20	30.53	30.43	31.58	30.35	31.22	30.76
31	33.26		33.39		32.71		30.50	30.43		30.36		30.65

Mi 230. E. Runge. 4723 West Villard Ave., Milwaukee. SE¼NE¼ sec. 35, T. 8 N., R. 21 E. Drilled unused well, diameter 6 inches, depth 83 feet. Highest water level 5.45 below lsd, Apr. 21, 1952; lowest 20.54 below lsd, Mar. 10, 1954. Records available: 1949-54. Jan. 15, 19.91; Mar. 10, 20.54; May 11, 20.29; July 14, 18.21; Sept. 15, 20.11; Dec. 7, 20.10.

Mi 231. R. J. Cerletty. 8900 North 76th St., Milwaukee. SW¼SW¼ sec. 3, T. 8 N., R. 21 E. Drilled domestic artesian well in limestone, diameter 6 inches, depth 80 feet, cased to 58. Land-surface datum is 695 feet above msl. Highest water level 8.86 below lsd, Apr. 21, 1952; lowest 12.97 below lsd, Nov. 2, 1953. Records available: 1949-54. Jan. 15, 12.76; Mar. 10, 12.86; May 11, 11.33; July 14, 9.15; Sept. 15, 10.68; Dec. 7, 10.31.

Mi 232. Milwaukee House of Correction. NW¼SW¼ sec. 22, T. 5 N., R. 21 E. Drilled industrial artesian well in sandstone, diameter 22 to 16 inches, reported depth 1,842 feet, cased to 640. Land-surface datum is 761 feet above msl. Highest water level 177.5 below lsd, May 4, 1950; lowest 210.00 below lsd, Sept. 22, 1953. Records available: 1950-54. Feb. 26, 204.0; July 29, 201.25; Sept. 28, 202.00; Dec. 7, 202.00.

Mi 289. Milwaukee County. Formerly 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 78.44 below lsd, Mar. 11, 1954. Records available: 1952-54. Jan. 14, 75.86; Mar. 11, 78.44; May 11, 75.46; July 14, 75.87; Sept. 16, 75.11; Nov. 30, 75.51.

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: 1947-54. Feb. 10, 4.62; Mar. 24, 3.51; June 10, 3.70; Aug. 12, 4.48; Oct. 21, 2.66.

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: 1934-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27	7.43	Apr. 25	7.46	July 26	6.45	Oct. 20	7.09
Feb. 26	7.44	May 25	7.06	Aug. 29	8.27	Nov. 26	7.95
Mar. 25	7.02	June 26	6.62	Sept. 26	8.27	Dec. 27	8.49

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: 1934-54.

Jan. 25	9.72	Apr. 29	9.73	July 29	6.52	Oct. 28	7.07
Feb. 26	9.80	May 28	4.84	Aug. 27	7.3	Nov. 27	7.80
Mar. 27	9.85	June 28	5.77	Sept. 28	7.75	Dec. 28	8.35

Mo 11. John Sullivan. SW¼NW¼ sec. 27, T. 16 N., R. 3 W. Drilled unused water-table well in sandstone, diameter 7 inches, depth 11 feet. Land-surface datum is 925 feet above msl. Highest water level 3.90 below lsd, June 29, 1947; lowest 7.53 below lsd, June 7, 1950. Records available: 1934-54.

Jan. 29	6.65	Apr. 29	6.40	July 29	6.60	Oct. 29	6.10
Feb. 28	6.70	May 29	6.80	Aug. 29	6.65	Nov. 29	6.35
Mar. 29	6.55	June 29	6.45	Sept. 29	6.40		

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: 1934-54. Feb. 8, 26.88; Mar. 22, 26.89; June 8, 26.96; Aug. 10, 26.93; Oct. 18, 26.83.

Mo 13. Walter Parks. SE¼NW¼ sec. 3, T. 16 N., R. 4 W. Drilled unused water-table well in sand, diameter 8 inches, depth 13 feet, cased to 13. Land-surface datum is 780 feet above msl. Highest water level 6.77 below lsd, May 22, 1945; lowest 11.20 below lsd, Mar. 6, 1954. Records available: 1934-54. Mar. 6, 11.20; July 10, 10.30.

Mo 17. U. S. Army, Camp McCoy. NW¼SW¼ sec. 29, T. 18 N., R. 2 W. Drilled unused artesian well in sandstone, diameter 9 inches, depth 192 feet, cased to 109. Highest water level 1.78 below lsd, July 1, 1952; lowest 5.60 below lsd, Mar. 13, 1954. Records available: 1949-54.

Mo 17--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.84	....	5.35	5.40	4.77	4.18	3.71	3.18	4.17	3.93	2.83	2.86
2	4.75	....	5.37	5.45	4.56	4.19	3.72	3.21	4.18	3.23	2.87	2.83
3	4.79	....	5.45	5.45	4.29	....	3.76	3.32	4.26	3.18	2.84	2.70
4	4.73	....	5.44	5.38	4.17	....	3.04	3.37	4.30	3.08	2.92	2.80
5	4.75	....	5.44	5.30	4.03	....	2.77	3.39	4.32	2.96	2.88	2.87
6	4.75	....	5.41	5.37	4.00	....	2.72	3.43	4.41	2.90	2.90	2.86
7	4.75	....	5.45	5.35	3.98	....	2.68	3.47	4.46	2.90	2.97	2.90
8	4.74	....	5.44	5.42	3.93	....	2.75	3.48	4.47	2.88	3.07	2.85
9	4.82	....	5.42	5.42	3.95	....	2.73	3.60	4.45	2.95	3.04	2.92
10	4.83	5.31	5.43	5.38	3.88	4.37	2.72	3.64	4.42	2.95	3.03	2.91
11	4.81	5.33	5.48	5.43	3.96	4.37	2.66	3.65	4.43	2.97	3.10	3.01
12	4.85	5.30	5.47	5.39	3.95	4.47	2.78	3.69	4.43	2.99	3.10	3.00
13	4.85	5.22	5.60	5.34	4.00	4.47	2.82	3.69	4.43	2.99	3.06	2.94
14	4.85	5.25	5.58	5.36	3.95	3.90	2.88	3.76	4.39	2.87	3.07	2.96
15	4.95	5.35	5.59	5.34	4.00	3.75	2.95	3.82	4.26	2.89	3.06	3.00
16	4.93	5.34	5.58	4.59	3.98	3.88	2.95	3.84	4.18	2.87	3.13	3.01
17	5.00	5.25	5.54	4.61	4.08	3.88	2.92	3.84	3.91	2.90	3.13	2.99
18	4.93	5.25	5.54	4.63	4.06	3.86	3.00	3.89	3.83	2.91	3.10	3.06
19	4.97	5.24	5.55	4.70	4.16	3.80	3.12	3.99	3.75	2.73	3.07	3.10
20	4.97	5.21	5.57	4.70	4.13	3.72	3.16	4.12	3.71	2.77	3.07	3.14
21	5.16	5.31	5.54	4.80	3.91	3.54	3.19	4.13	3.68	2.67	2.54	3.13
22	5.07	5.31	5.52	4.83	3.84	3.59	3.20	3.90	3.66	2.67	2.55	3.10
23	4.98	5.23	5.58	4.85	3.87	3.59	3.32	3.92	3.64	2.70	2.57	3.27
24	4.97	5.32	5.57	4.83	3.98	3.51	3.30	3.93	3.71	2.70	2.67	3.26
25	5.06	5.29	5.52	4.93	3.99	3.56	3.28	3.98	3.71	2.67	2.69	3.25
26	....	5.28	5.58	4.83	3.94	3.57	3.30	4.03	3.79	2.67	2.64	3.33
27	....	5.34	5.49	4.89	3.92	3.56	3.36	4.10	3.75	2.53	2.73	3.33
28	....	5.33	5.52	4.74	4.01	3.62	3.41	4.11	3.77	2.53	2.75	3.33
29	....		5.52	4.77	4.10	3.63	3.47	4.02	3.85	2.63	2.86	3.33
30	....		5.38	4.75	4.10	3.68	3.52	4.11	3.93	2.75	2.86	....
31	....		5.38		4.07		3.16	4.16		2.75		....

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: 1946-54. Mar. 3, 4.57; May 4, 0.40; July 7, 3.09; Sept. 9, 13.22; Nov. 17, 7.78.

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: 1944-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	16.60	17.10	16.53	14.61	14.46	14.91	15.32	15.51	15.21	15.17
2	.....	16.22	16.62	17.14	16.52	14.61	14.47	14.92	15.35	15.50	15.23	15.15
3	.....	16.22	16.64	.....	16.33	14.57	14.46	14.95	15.38	15.48	15.20	15.10
4	.....	16.25	16.66	.....	16.29	14.57	14.45	14.97	15.38	15.52	15.17	.....
5	.....	16.27	16.67	.....	16.19	14.55	14.47	15.00	15.40	15.52	15.17	.....
6	.....	16.29	16.67	17.17	16.07	14.53	14.47	15.01	15.40	15.55	15.15	.....
7	.....	16.29	16.71	17.19	15.95	14.50	14.49	15.01	15.41	15.55	15.15	.....
8	.....	16.27	16.72	17.21	15.85	14.51	14.50	15.01	15.43	15.51	15.18	.....
9	.....	16.27	16.74	17.21	15.77	14.48	14.52	15.03	15.43	15.51	15.18	.....
10	.....	16.30	16.75	17.18	15.68	14.49	14.52	15.05	15.43	15.51	15.18	.....
11	.....	16.30	16.76	17.19	15.58	14.48	14.52	15.05	15.43	15.49	15.17	.....
12	.....	.....	16.80	17.19	15.53	14.47	14.54	15.06	15.43	15.53	15.17	.....
13	.....	.....	16.80	17.15	15.45	14.47	14.55	15.08	15.44	15.57	15.13	.....
14	.....	.....	16.84	17.11	15.38	14.46	14.59	15.06	15.45	15.55	15.15	15.17
15	.....	.....	16.87	17.11	15.32	14.45	14.62	15.09	15.45	15.49	15.15	15.20
16	.....	16.39	16.88	17.08	15.26	14.46	14.63	.....	15.45	15.46	15.11	15.22
17	.....	16.40	16.66	17.08	15.24	14.49	14.63	.....	15.43	15.44	15.11	15.22
18	.....	16.40	16.69	17.05	15.17	14.49	14.64	.....	15.43	15.44	15.13	15.25
19	16.09	16.41	16.91	17.05	15.12	14.49	14.67	.....	15.43	15.42	15.13	15.28
20	16.12	16.41	16.94	17.05	15.09	14.45	14.67	.....	15.44	15.36	15.10	15.30

On 22--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	.....	16.45	16.95	17.01	15.02	14.45	14.71	.....	15.47	15.32	15.10	15.31
22	.....	16.47	16.96	16.96	14.97	14.47	14.74	.....	15.48	15.31	15.10	15.30
23	.....	16.47	16.99	16.95	14.93	14.48	14.76	15.21	15.48	15.29	15.10	15.33
24	.....	16.49	17.00	16.91	14.86	14.45	14.79	15.21	15.47	15.29	15.09	15.37
25	.....	16.50	16.99	16.87	14.84	14.44	14.81	15.23	15.46	15.26	15.11	15.37
26	16.18	16.51	17.05	16.84	14.82	14.44	14.82	15.25	15.46	15.24	15.11	15.46
27	16.19	16.55	17.05	16.78	14.78	14.45	14.83	15.26	15.47	15.24	15.06	.....
28	16.19	16.57	17.06	16.76	14.70	14.44	14.84	15.28	15.49	15.23	15.07	.....
29	16.19		17.08	16.69	14.71	14.42	14.88	15.30	15.49	15.21	15.16	.....
30	16.21		17.08	16.64	14.71	14.44	14.99	15.31	15.51	15.23	15.18	.....
31	.....		17.09		14.67		14.90	15.32		15.23		.....

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: 1944-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	29.10	Mar. 27	29.58	June 21	29.38	Sept. 17	29.20
11	29.30	Apr. 7	29.74	28	29.36	30	29.29
23	27.50	10	29.74	July 11	29.22	Oct. 13	29.30
30	29.20	17	29.85	20	29.15	21	29.35
Feb. 6	29.30	24	29.50	29	29.06	28	29.35
13	29.3	May 1	29.70	Aug. 3	29.02	Nov. 5	29.26
20	29.4	10	29.70	17	28.90	12	29.33
27	29.5	17	29.6	24	29.01	27	29.35
Mar. 6	29.6	31	29.34	Sept. 3	29.13	Dec. 8	29.42
13	29.6	June 5	29.46	10	29.18	27	29.53
20	29.66	12	29.44				

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: 1944-54.

Jan. 1	20.85	Apr. 5	21.20	July 5	20.32	Oct. 12	20.68
10	20.90	12	21.07	13	20.30	19	20.64
17	20.90	19	20.95	20	20.36	26	20.50
24	21.01	26	20.95	26	20.42	Nov. 3	20.40
Feb. 1	21.07	May 5	20.78	Aug. 3	20.50	10	20.42
7	21.10	11	20.64	10	20.57	16	20.41
14	21.14	17	20.50	16	20.63	22	20.45
22	21.18	25	20.41	25	20.70	Dec. 1	20.42
Mar. 1	21.17	June 1	20.37	27	20.73	10	20.50
7	21.22	8	20.34	Sept. 14	20.85	15	20.53
15	21.28	15	20.37	21	20.80	21	20.75
22	21.31	21	20.35	28	20.72	28	20.77
30	21.21	30	20.34	Oct. 4	20.72		

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: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	22.51	22.93	23.10	.....	.....	.....	36.20	.....	.....	25.57
2	.....	22.54	23.53	22.89	17.28	.....	.....	.....	36.61	31.90	25.54	24.00
3	.....	22.64	23.80	22.82	19.60	.....	.....	.....	37.07	28.71	25.69	.....
4	.....	22.51	23.93	21.23	19.92	.....	.....	38.13	36.60	29.90	25.93	.....
5	20.45	21.95	24.14	22.39	20.88	.....	.....	38.84	34.69	30.60	25.72	.....
6	20.45	22.10	23.90	22.39	21.05	.....	26.59	39.80	39.50	31.06	24.70	.....
7	20.30	21.82	22.37	21.89	20.62	.....	25.83	39.30	33.10	30.91	22.95	22.03
8	.....	22.38	22.35	.....	20.38	.....	25.60	37.85	34.60	30.53	24.28	22.46
9	20.67	22.49	23.41	.....	19.80	.....	24.69	35.90	34.58	30.25	25.48	22.65
10	19.70	23.50	23.41	.....	21.62	.....	24.03	36.69	34.67	29.37	25.70	22.10

Ou 2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	19.60	24.13	24.00	.....	22.50	.....	23.53	36.78	34.71	29.42	25.66	21.56
12	19.95	24.04	24.09	.....	22.52	.....	28.95	37.03	33.14	.....	25.40	17.45
13	.....	23.58	24.30	21.41	22.70	.....	31.22	38.38	32.79	30.60	25.25	.....
14	.....	22.82	23.00	22.21	23.00	.....	32.84	37.52	.....	30.30	21.62	20.46
15	.....	23.90	23.65	22.38	22.83	.....	33.80	35.85	33.88	30.25	.....	21.12
16	.....	23.81	23.85	22.41	24.55	.....	34.49	36.52	33.91	29.95	24.82	21.52
17	.....	24.04	23.90	21.95	24.23	.....	34.10	36.90	.....	28.70	25.10	21.58
18	.....	24.01	23.68	20.90	23.73	.....	33.70	36.29	.....	28.97	.....	21.30
19	.....	23.80	23.10	22.30	23.93	.....	.....	37.13	.....	29.09	.....	17.36
20	.....	23.48	23.28	23.03	24.82	.....	.....	37.78	.....	29.22	.....	19.00
21	.....	21.89	21.60	23.15	25.31	.....	37.80	37.33	.....	29.01	.....	20.02
22	.....	23.51	22.11	23.11	26.30	.....	38.10	36.30	.....	28.76	22.25	20.30
23	.....	23.00	22.95	23.72	25.70	.....	38.40	35.48	.....	27.90	.....	21.10
24	.....	22.32	22.22	23.76	25.38	.....	38.10	36.84	.....	27.03	25.30	21.00
25	21.52	23.11	22.12	22.05	25.03	.....	38.10	36.64	.....	.....	25.30	18.93
26	22.36	23.38	23.32	22.10	.....	.....	34.62	36.50	.....	.....	24.82	17.15
27	22.63	23.04	23.03	22.03	.....	.....	.....	36.65	31.05	.....	24.30	20.60
28	23.14	21.69	21.40	22.70	.....	.....	.....	36.70	31.40	.....	24.20	.....
29	23.34		21.78	23.84	.....	.....	.....	35.18	31.77	.....	25.05	.....
30	23.43		22.45	23.85	.....	.....	.....	36.40	31.70	.....	25.43	.....
31	22.82		22.80		.....		.....	36.47		.....		.....

Ou 3. Vanden Huefel. SE¼NE¼ sec. 2, T. 23 N., R. 18 E. Drilled stock artesian well in sandstone, diameter 5 inches, depth 110 feet. Highest water level 22.80 below lsd, May 23, 1948; lowest 42.32 below lsd, Jan. 7, 1954. Records available: 1947-54. Jan. 7, 42.32; Mar. 4, 40.23; Apr. 28, 38.93; May 5, 41.23; July 8, 40.39; Sept. 9, 42.11; Nov. 17, 40.92.

Ou 5. Kaukauna Water & Electric Co. SW¼SE¼ sec. 4, T. 21 N., R. 19 E. Drilled domestic artesian well in sandstone and limestone, diameter 6 inches, reported depth 408 feet, cased to 68. Land-surface datum is 660 feet above msl. Highest water level 18.27 below lsd, Mar. 29, 1948; lowest 36.05 below lsd, Sept. 7, 1954. Records available: 1947-54. Jan. 5, 32.65; Mar. 2, 32.22; Apr. 28, 32.71; July 6, 33.34; Sept. 7, 36.05; Nov. 16, 34.92.

Ou 19. Wisconsin-Michigan Power Co. NE¼NW¼ sec. 35, T. 21 N., R. 17 E. Drilled unused artesian well in sandstone, diameter 24 to 8 inches, reported depth 450 feet, cased to 54. Land-surface datum is 728 feet above msl. Highest water level 27.98 below lsd, Apr. 9, 1953; lowest 42 below lsd, Aug. 14, 1952. Records available: 1951-54. Jan. 8, 30.41; Mar. 4, 30.35; May 5, 33.98; July 8, 38.32; Sept. 10, 40.02; Nov. 18, 34.32.

Ou 24. Appleton Coated Paper Co. NW¼NW¼ sec. 25, T. 21 N., R. 17 E. Drilled unused artesian well in sandstone, diameter 16 to 12 inches, reported depth 501 feet, cased to 245. Land-surface datum is 763 feet above msl. Highest water level 66.58 below lsd, Apr. 9, 1953; lowest 79.44 below lsd, Sept. 10, 1954. Records available: 1951-54. Jan. 8, 68.75; Mar. 4. 70.25; May 5, 72.06; Sept. 10, 79.44.

Ou 29. Highland Memorial Park. NW¼SE¼ sec. 15, T. 21 N., R. 17 E. Drilled irrigation artesian well in sandstone, reported depth 300 feet. Land-surface datum is 839 feet above msl. Highest water level 54.88 below lsd, June 5, 1953; lowest 59.64 below lsd, Apr. 17, 1952. Records available: 1951-54. Jan. 8, 58.14; Mar. 4, 58.61; May 5, 57.78; July 8, 57.50; Sept. 10, 58.04; Nov. 18, 55.69.

Ou 41. Peter Loderbauer. NW¼SW¼ 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: 1952-54. Jan. 7, 72.83; Mar. 3, 72.88; Apr. 26, 74.05; July 30, 75.40; Sept. 22, 76.03.

Ou 59. Richard Lamers. NW¼NE¼ 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 73.18 below lsd, Apr. 28, 1954. Records available: 1952-54. Jan. 7, 72.81; Mar. 3, 73.07; Apr. 28, 73.18; July 30, 69.31; Sept. 22, 70.76; Nov. 18, 72.82.

Ou 65. Mark Kerkhoff. SW¼NW¼ 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 35.08 below lsd, Nov. 17, 1954. Records available: 1952-54. Jan. 7, 34.51; Mar. 4, 34.77; Apr. 28, 35.01; July 29, 34.04; Sept. 22, 35.03; Nov. 17, 35.08.

Ou 70. Orville Krabbe. SW¼NW¼ 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 84.01 below lsd, Sept. 22, 1954. Records available: 1952-54. Jan. 7, 83.59; July 30, 83.53; Sept. 22, 84.01; Nov. 17, 81.84.

Ou 82. American Telephone & Telegraph Co. SE¼NE¼ 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 46.34 below lsd, Mar. 4, 1954. Records available: 1952-54. Mar. 4, 46.34; Apr. 27, 44.31.

Ou 87. Peter Williamson. NW¼NE¼ 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 level 3.86 below lsd, Mar. 23, 1953; lowest 14.95 below lsd, Jan. 7, 1954. Records available: 1952-54. Jan. 7, 14.95; Mar. 4, 12.54; Apr. 27, 9.86; July 30, 11.93; Sept. 21, 12.20; Nov. 17, 6.88.

Ou 95. John Ross. NE¼NW¼ sec. 20, T. 22 N., R. 16 E. Drilled unused water-table well in sand and gravel, diameter 6 inches, reported depth 112 feet, cased to 111. Land-surface datum is 777 feet above msl. Highest water level 6.46 below lsd, Mar. 24, 1953; lowest 10.24 below lsd, Jan. 8, 1954. Records available: 1952-54. Jan. 8, 10.24; Mar. 4, 8.11; Apr. 27, 9.38; July 30, 8.76; Sept. 21, 9.05; Nov. 17, 7.50.

Ou 125. Immaculate Conception Mission. SE¼NE¼ sec. 30, T. 23 N., R. 19 E. Drilled domestic artesian well in St. Peter sandstone, diameter 6 inches, reported depth 122 feet, cased to 66. Land-surface datum is 729 feet above msl. Highest water level 32.41 below lsd, June 25, 1953; lowest 35.50 below lsd, Sept. 22, 1954. Records available: 1953-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
June 25, 1953	32.41	Jan. 7, 1954	34.54	Apr. 28, 1954	33.38	Sept. 22, 1954	35.50
Aug. 2	32.42	Mar. 4	34.12	July 29	33.82	Nov. 17	33.08

Ou 169. Outagamie Producers Cooperative. SE¼SE¼ sec. 8, T. 23 N., R. 17 E. Drilled unused water-table well in sand and gravel, diameter 8 inches, depth 163 feet, cased to 143. Land-surface datum is 781 feet above msl. Highest water level 10.59 below lsd, Nov. 17, 1954; lowest 13.78 below lsd, Mar. 4, 1954. Records available: 1953-54.

July 13, 1953	12.29	Jan. 7, 1954	13.04	Apr. 29, 1954	13.74	Sept. 21, 1954	13.50
Aug. 13	11.88	Mar. 4	13.78	July 29	12.91	Nov. 17	10.59

Ou 170. Nichols Paper Products. NE¼SW¼ sec. 8, T. 24 N., R. 17 E. Drilled unused artesian well in sandstone of Cambrian age, diameter 6 inches, reported depth 131 feet, cased to 78. Land-surface datum is 798 feet above msl. Highest water level 5.94 below lsd, Nov. 17, 1954; lowest 9.82 below lsd, Mar. 4, 1954. Records available: 1953-54. July 13, 1953, 6.72; Aug. 13, 7.43; Jan. 8, 1954, 8.76; Mar. 4, 9.82; July 29, 7.38; Sept. 21, 7.90; Nov. 17, 5.94.

Ou 203. Mrs. Warren Barclay. NW¼NW¼ sec. 8, T. 23 N., R. 18 E. Drilled unused artesian well in St. Peter sandstone, diameter 4 inches, depth 95 feet, cased to 15. Land-surface datum is 864 feet above msl. Highest water level 34.77 below lsd, Nov. 17, 1954; lowest 58.37 below lsd, Mar. 4, 1954. Records available: 1953-54. July 22, 1953, 58.09; Jan. 7, 1954, 58.26; Mar. 4, 58.37; July 29, 45.34; Sept. 22, 57.49; Nov. 17, 34.77.

Ou 217. George Gomm. SW¼SW¼ sec. 27, T. 24 N., R. 16 E. Drilled unused water-table well in sand, diameter 3 inches, depth 45 feet. Land-surface datum is 775 feet above msl. Highest water level 5.98 below lsd, Nov. 17, 1954; lowest 7.94 below lsd, Sept. 4, 1953. Records available: 1953-54. July 23, 1953, 7.89; Sept. 4, 7.94; Jan. 8, 1954, 6.30; Mar. 4, 6.00; July 29, 7.22; Sept. 21, 7.29; Nov. 17, 5.98.

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 20.17 below lsd, Mar. 3, 1954. Records available: 1950-54. Jan. 6, 19.42; Mar. 3, 20.17; May 5, 17.50; July 7, 15.58; Aug. 31, 15.84; Nov. 10, 12.00.

Pt 14. N. Weisbrot. NE¼NW¼E½ sec. 31, T. 24 N., R. 9 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 13 feet. Highest water level 5.72 below lsd, July 20, 1950; lowest 9.95 below lsd, Mar. 2, 1954. Records available: 1950, 1953-54.

July 20, 1950	5.72	Jan. 5, 1954	7.27	May 3, 1954	9.47	Sept. 1, 1954	9.72
Oct. 8, 1953	7.89	Mar. 2	9.95	July 6	9.17	Nov. 11	9.84

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: 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	35.47	Apr. 8	35.89	June 30	35.78	Sept. 25	35.65
16	35.55	17	35.94	July 6	35.77	30	35.65
23	35.61	24	36.01	10	35.68	Oct. 9	35.48
Feb. 3	35.68	May 1	36.01	15	35.61	22	35.25
10	35.74	3	36.08	22	35.58	Nov. 2	35.11
17	35.81	7	36.02	29	35.55	11	35.12
26	35.84	13	36.02	Aug. 5	35.55	16	34.98
Mar. 2	35.92	25	36.04	14	35.55	27	34.94
6	35.89	June 5	36.04	21	35.56	Dec. 6	34.91
11	35.91	12	36.01	26	35.57	13	34.8[illegible]
20	35.94	19	35.95	31	35.70	20	34.89
27	35.91	23	35.91	Sept. 3	35.60	26	34.87
Apr. 3	35.88						

Pt 16. Lawrence Krogwold. Amherst Junction. NW¼SW¼ sec. 27, T. 23 N., R. 10 E. Driven domestic water-table well in gravel of Pleistocene age. Highest water level 21.79 below lsd, Aug. 28, 1952; lowest 33.42 below lsd, Mar. 2, 1954. Records available: 1950-54. Jan. 5, 33.00; Mar. 2, 33.42; May 3, 32.85; July 6, 29.77; Aug. 31, 30.77; Nov. 11, 29.13.

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: 1950-54. Jan. 6, 11.44; Mar. 2, 11.76; May 3, 11.43; July 7, 10.70; Aug. 31, 11.10; Nov. 11, 9.20.

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: 1950-54. Jan. 5, 22.37; Mar. 2, 22.80; May 3, 22.57; July 6, 22.03; Aug. 31, 22.27; Nov. 11. 20.98.

Pt 19. E. Perzinski. NW¼SW¼ sec. 20, T. 23 N., R. 9 E. Drilled irrigation water-table well in gravel of Pleistocene age, diameter 14 inches, reported depth 101 feet, cased to 76. Highest water level 52 below lsd, May 20, 1952; lowest 57.55 below lsd, May 6, 1954. Records available: 1950-54. May 6, 57.55; July 7, 57.54; Sept. 1, 57.33; Nov. 11, 55.64.

Pt 20. G. Laskowski. Plover. SE¼NE¼ sec. 7, T. 22 N., R. 9 E. Drilled unused water-table well in alluvium of Pleistocene age, diameter 6 inches, depth 67 feet. Highest water level 12.70 below lsd, Nov. 11, 1954; lowest 37.56 below lsd, Sept. 1, 1954. Records available: 1950-54. Jan. 6, 34.87; Mar. 2, 36.54; Mar. 3, 36.40; May 4, 36.48; July 7, 36.52; Sept. 1, 37.56; Nov. 11, 12.70.

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: 1950-54. Jan. 5, 10.44; Mar. 2, 10.33; May 3, 9.56; July 6, 8.67; Aug. 31, 9.84; Nov. 11, 7.70.

Pt 28. J. Burns. SW¼SW¼ sec. 15, T. 21 N., R. 9 E. Drilled irrigation water-table well in gravel, diameter 12 inches, reported depth 112 feet, cased to 92, screen 92-112. Highest water level 74.04 below lsd, May 22, 1952; lowest 76.70 below lsd, Aug. 30, 1954. Records available: 1950-54. Jan. 5, 76.44; Mar. 2, 75.74; May 3, 76.05; July 8, 76.58; Aug. 30, 76.70; Nov. 11, 76.15.

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: 1944-54. Jan. 6, 13.65; Mar. 2, 14.14; May 3, 14.03; July 6, 12.25; Aug. 30, 12.59; Nov. 11, 10.07.

Pt 34. U. S. Geol. Survey. SE¼NE¼ sec. 34, T. 23 N., R. 7 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 22 feet, cased to 20, well point. Highest water level 14.46 below lsd, July 22, 29, 1951, May 11, 1952; lowest 18.80 below lsd, Apr. 11, 18, 1954. Records available: 1950-54.

Pt 34--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	18.45	Mar. 28	18.70	June 27	17.30	Sept. 19	16.90
6	18.01	Apr. 4	18.70	July 4	16.90	26	16.60
10	18.46	11	18.80	8	16.84	Oct. 3	16.25
17	18.46	18	18.80	11	16.75	10	16.00
24	18.47	25	18.75	18	16.65	17	15.95
31	18.48	May 2	18.65	25	16.60	24	15.90
Feb. 7	18.48	4	18.64	Aug. 1	16.55	31	15.29
14	18.49	9	18.39	8	16.60	Nov. 7	15.10
21	18.46	16	18.20	16	16.71	11	15.19
28	18.49	23	18.00	22	16.80	14	15.05
Mar. 2	18.54	30	17.95	29	16.80	Dec. 7	15.00
7	18.49	June 6	17.75	Sept. 1	16.94	12	14.65
14	18.49	13	17.70	5	16.60	19	15.40
21	18.68	20	17.65	12	16.58	26	15.51

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: 1950-54.

Jan. 4	5.10	Apr. 13	4.68	July 6	3.20	Oct. 4	1.70
10	5.05	19	4.60	12	3.90	12	2.00
18	5.09	26	4.35	19	4.40	18	2.30
25	5.07	May 3	4.00	27	4.80	25	2.70
Feb. 2	4.85	4	3.45	Aug. 2	4.75	Nov. 1	3.20
8	4.70	10	4.05	8	4.90	8	3.60
15	4.47	17	4.37	16	4.85	15	3.90
22	4.30	24	4.60	23	4.80	22	4.20
Mar. 2	4.35	31	3.35	30	4.85	30	4.10
8	4.35	June 7	3.80	Sept. 6	4.99	Dec. 6	4.33
15	4.39	14	4.05	13	4.30	13	4.55
22	4.30	21	3.10	20	3.55	20	4.55
29	4.78	28	3.85	28	3.90	27	4.55
Apr. 5	4.75						

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 led, Aug. 16, 1952. Records available: 1950-54.

Jan. 2	5.91	Apr. 10	5.26	July 3	3.33	Oct. 2	3.54
9	5.91	17	5.01	10	2.81	9	2.02
16	5.94	24	4.85	17	3.48	16	2.09
23	5.98	May 1	4.00	24	3.97	23	2.63
30	6.00	4	3.77	31	4.31	30	2.87
Feb. 6	6.00	8	3.66	Aug. 7	4.63	Nov. 6	3.28
13	6.02	15	3.94	14	4.89	13	3.46
20	6.04	22	4.20	21	5.04	20	3.74
27	5.86	29	4.42	28	5.13	27	3.94
Mar. 6	5.89	June 5	2.81	Sept. 4	5.28	Dec. 4	4.10
13	5.94	12	3.23	11	5.33	11	4.31
20	5.95	19	3.17	18	4.15	18	4.44
27	5.68	26	2.93	25	3.68	25	4.68
Apr. 3	5.61						

Pt 37. U. S. Geol. Survey. SE¼SE¼ sec. 25, T. 21 N., R. 8 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 17 feet, cased to 15, well point. Highest water level 6.20 below lsd, Apr. 1, 1952; lowest 11.65 below lsd, Mar. 3, 1954. Records available: 1950-54. Jan. 6, 11.14; Mar. 3, 11.65; May 4, 11.32; July 8, 9.94; Sept. 1, 10.14; Nov. 11, 8.71.

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 11.09 below lsd, Mar. 2, 1954. Records available: 1950-54. Jan. 5, 10.70; Mar. 2, 11.09; Apr. 23, 10.74; May 4, 9.77; July 7, 8.42; Aug. 31, 8.77; Nov. 11, 6.00.

Pt 41. U. S. Geol. Survey. SW¼SW¼ sec. 35, T. 21 N., R. 7 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 12 feet, cased to 12. Highest water level 0.40 below lsd, Apr. 14, 1951; lowest 6.42 below lsd, Feb. 13, 1954. Records available: 1950-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	6.21	Apr. 12	5.30	July 8	0.88	Oct. 4	0.65
6	6.26	19	5.00	12	1.36	11	.81
9	6.25	26	3.76	19	2.15	18	.82
16	6.29	May 3	3.37	25	2.70	25	.85
23	6.33	4	3.03	Aug. 2	3.15	Nov. 1	1.03
30	6.34	8	3.10	9	3.35	8	1.31
Feb. 6	6.39	17	3.22	16	3.59	11	1.66
13	6.42	24	3.49	23	3.95	15	1.77
20	6.38	31	2.40	30	4.05	22	1.81
Mar. 1	6.22	June 7	2.90	Sept. 1	4.05	29	2.05
3	6.36	14	2.30	6	4.24	Dec. 6	2.24
8	6.22	21	2.00	13	3.25	13	2.54
22	6.21	28	1.90	20	2.30	20	2.62
29	6.17	July 5	1.60	27	2.57	27	2.72
Apr. 5	5.91						

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: 1950-54. Jan. 6, 9.68; Mar. 2, 10.13; May 3, 9.82; July 7, 8.92; Sept. 1, 9.22; Nov. 11, 7.17.

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 29.93 below lsd, May 3, 1954. Records available: 1950-54. Jan. 5, 29.16; Mar. 2, 29.88; May 3, 29.93; July 8, 29.74; Aug. 30, 29.77; Nov. 9, 28.98.

Pt 44. U. S. Geol. Survey. NW¼NW¼ sec. 27, T. 23 N., R. 8 E. Driven unused water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 17 feet, cased to 15, screen 15-17. Highest water level 9.15 below lsd, May 20; 1952; lowest 12.77 below lsd, Mar. 2, 1954. Records available: 1951-54. Jan. 6, 12.54; Mar. 2, 12.77; May 3, 12.71; July 8, 10.82; Sept. 1, 11.25; Nov. 11, 9.18.

Pt 45. U. S. Geol. Survey. NW¼SW¼ sec. 2, T. 22 N., R. 7 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 12 feet, cased to 10, screen 10-12. Highest water level 1.54 below lsd, July 10, 1951; lowest 8.00 below lsd, Mar. 2, 1954. Records available: 1950-54. Jan. 6, 7.33; Mar. 2, 8.00; May 4, 6.15; July 8, 3.76; Sept. 1, 4.82; Nov. 11, 2.74.

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 7.32 below lsd, Nov. 11, 1954; lowest 12.34 below lsd, Mar. 3, 1954. Records available: 1951-54. Jan. 6, 12.06; Mar. 3, 12.34; May 4, 10.90; July 8, 7.58; Sept. 1, 9.44; Nov. 11, 7.32.

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: 1951-54. Jan. 5, 13.73; Mar. 2, 13.73; May 3, 12.96; July 6, 12.32; Aug. 31, 13.23.

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 66.24 below lsd, Aug. 30, 1954. Records available: 1951-54. Jan. 5, 65.30; Mar. 2, 65.54; May 3, 65.90; July 6, 66.10; Aug. 30, 66.24; Nov. 11, 65.83.

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: 1951-54. Jan. 5, 93.72; Mar. 2, 93.98; May 4, 93.07; July 6, 92.98; Aug. 31, 94.01; Nov. 11, 93.80.

Pt 79. U. S. Geol. Survey. SE¼NW¼ sec. 35, T. 21 N., R. 10 E. Driven unused water-table well in sand and gravel, diameter 1¼ inches, depth 20 feet, cased to 20, well point. Highest water level 14.02 below lsd, May 22, 1952; lowest 16.23 below lsd, Aug. 30, 1954. Records available: 1951-54. Jan. 5, 15.47; Mar. 2, 15.95; Apr. 23, 15.88; May 3, 15.70; July 6, 15.85; Aug. 30, 16.23; Nov. 9, 15.62.

Pt 80. U. S. Geol. Survey. NW¼NW¼ sec. 6, T. 22 N., R. 7 E. Driven unused water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 11 feet. Highest water level 5.16 below lsd, Nov. 11, 1954; lowest 9.38 below lsd, Mar. 2, 1954. Records available: 1951-54. Jan. 6, 9.15; Mar. 2, 9.38; May 4, 6.57; July 8, 5.39; Sept. 1, 6.90; Nov. 11, 5.16.

Pt 82. Bordens Condensery. Junction City. NW¼SW¼ sec. 2, T. 24 N., R. 6 E. Drilled unused water-table well in Precambrian granite, diameter 12 inches, reported depth 40 feet. Land-surface datum is 1,143 feet above msl. Highest water level 0.85 below lsd, Apr. 2, 1952; lowest 6.44 below lsd, Feb. 1, 1954. Records available: 1951-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.40	6.44	5.15	....	....	2.12	2.78	3.69	3.55	1.95	1.98	2.63
2	4.43	6.35	5.15	....	....	2.18	2.79	3.68	3.60	1.99	2.00	2.99
3	4.49	6.18	....	....	....	2.19	2.07	3.70	3.68	1.43	2.01	3.14
4	4.95	6.07	....	....	....	2.98	2.32	3.74	3.73	1.62	2.10	3.15
5	4.90	5.99	....	....	1.65	2.10	2.41	3.80	3.81	1.71	2.15	3.15
6	4.86	5.92	....	....	1.72	2.19	2.43	3.85	3.84	1.82	2.21	3.10
7	4.84	5.89	....	....	1.79	2.28	2.03	3.88	3.90	1.84	2.26	3.07
8	4.83	5.83	....	....	1.83	2.40	2.13	3.92	3.95	1.84	2.33	3.07
9	4.81	5.73	....	....	1.87	2.48	2.23	3.94	3.95	1.83	2.37	3.07
10	4.83	5.66	....	....	1.90	2.58	2.24	3.94	3.38	1.83	2.37	3.04
11	4.85	5.65	....	....	1.93	2.65	2.16	3.97	3.21	1.76	2.40	3.10
12	4.85	5.65	....	....	1.96	2.63	2.43	4.02	3.19	1.76	2.43	3.14
13	4.85	5.65	....	....	2.01	2.62	2.45	4.05	2.84	1.70	2.43	3.14
14	4.87	5.60	....	....	2.04	2.98	2.58	4.10	1.90	1.42	2.47	3.14
15	4.87	5.60	....	....	2.07	2.95	2.67	4.13	1.96	1.41	2.50	3.17
16	4.87	5.61	....	....	2.12	2.91	2.76	4.08	2.01	1.57	2.50	3.20
17	4.87	5.62	....	....	2.17	2.74	2.82	3.92	1.96	1.72	2.55	3.20
18	4.87	5.62	....	....	2.21	2.73	2.90	3.88	1.88	1.84	2.60	3.20
19	4.87	5.61	....	....	2.28	2.64	3.00	3.59	1.61	1.90	2.63	3.23
20	4.89	5.58	....	....	2.33	2.36	3.12	3.57	1.74	1.90	2.66	3.25
21	4.89	5.45	....	....	2.28	2.15	3.24	3.63	1.86	1.93	2.70	3.26
22	4.89	5.35	....	....	2.43	2.00	3.32	3.65	1.95	1.95	2.75	3.26
23	4.89	5.32	....	....	2.48	2.10	3.38	3.53	2.01	1.98	2.75	3.27
24	5.75	5.26	....	....	2.55	2.18	3.46	3.37	2.02	2.01	2.65	3.30
25	6.25	5.22	....	....	2.63	2.25	3.54	3.35	2.06	2.02	2.45	3.35
26	6.15	5.20	....	....	2.70	2.35	3.60	3.21	2.10	2.03	2.37	3.39
27	6.02	5.16	....	....	2.71	2.45	3.64	3.21	2.14	1.64	2.37	3.43
28	5.94	5.15	....	....	2.66	2.54	3.69	3.21	2.16	1.78	2.37	3.46
29	5.87		....	....	2.59	2.60	3.75	3.28	2.03	1.80	2.50	3.49
30	5.80		....	....	2.66	2.68	3.79	3.35	1.96	1.90	2.58	3.50
31	5.80		....		2.66		3.73	3.49		1.95		3.50

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 8 inches, reported depth 15 feet, cased to 15. Land-surface datum is 1,490 feet above msl. Highest water level 0.41 above lsd, June 29, 1946; lowest 5.67 below lsd, Oct. 31, 1948. Records available: 1937-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	-2.86	Apr. 10	-1.23	July 10	-0.50	Oct. 9	-1.85
9	2.98	17	-.01	17	1.18	16	.36
16	3.01	24	-.85	24	1.60	23	1.13
23	3.19	30	+.16	31	1.48	31	1.16
31	3.28	May 1	+.16	Aug. 1	1.48	Nov. 1	1.16
Feb. 1	3.28	8	-.16	7	1.67	6	1.35
6	3.34	15	.54	14	1.73	13	1.70
13	3.30	22	.85	21	2.17	20	1.85
20	1.98	31	.15	28	1.85	27	1.65
28	2.14	June 1	.15	31	2.13	30	1.84
Mar. 1	2.14	6	.61	Sept. 1	2.13	Dec. 1	1.84
6	2.56	12	.42	4	2.20	4	1.92
13	2.69	19	-.51	11	1.65	11	2.24
20	2.48	26	+.03	18	.91	18	2.40
27	1.45	30	-.42	25	1.41	25	2.40
31	1.85	July 1	-.42	30	1.65	31	2.50
Apr. 1	1.85	3	-.33	Oct. 1	1.65		

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: 1946-54. Jan. 25, 14.45; Mar. 11, 14.43; May 12, 17.86; July 15, 15.36; Sept. 16, 12.80; Dec. 8, 12.92.

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: 1946-54. Sept. 16, 45.43; Dec. 7, 45.01.

Ra 5. Chicago, Milwaukee, St. Paul & Pacific RR. 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 141.45 below lsd, May 12, 1954. Records available: 1946-54. Jan. 25, 139.62; Mar. 11, 138.36; May 12, 141.45; July 15, 139.96; Sept. 16, 139.86; Dec. 7, 140.07.

Ra 8. Harold Wollmer. NW¼NW¼ sec. 10, T. 4 N., R. 21 E. Drilled domestic well, diameter 5 inches, reported depth 368 feet, cased to 136. Highest water level 63.18 below lsd, June 10, 1947; lowest 76.72 below lsd, Jan. 14, 1954. Records available: 1946-54. Jan. 14, 76.72; Mar. 11, 68.84; May 11, 69.13; July 29, 70.28; Sept. 28, 69.86; Dec. 7, 67.57.

Ra 14. Kilbourn Club. SW¼SW¼ sec. 31, T. 4 N., R. 22 E. Drilled industrial artesian well in sandstone, diameter 10 to 8 inches, reported depth 1,025 feet, cased to 540. Highest water level 167.05 below lsd, Sept. 13, 1950; lowest 185.42 below lsd, Sept. 16, 1954. Records available: 1950-54. Jan. 14, 184.43; Mar. 11, 182.64; May 11, 184.40; Sept. 16, 185.42; Dec. 7, 184.40.

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 12.51 below lsd, Dec. 7, 1954. Records available: 1952-54. Mar. 11, 10.61; May 12, 11.72; July 15, 11.67; Sept. 16, 11.72; Dec. 7, 12.51.

Richland County

Ri 5. Village of Cazenovia. SE¼SE¼ sec. 12, T. 12 N., R. 2 E. Drilled public-supply artesian well in sandstone of Cambrian age, diameter 10 inches, reported depth 305 feet, cased to 39. Highest water level 30.20 below lsd, Aug. 24, 1954; lowest 31.79 below lsd, Jan. 6, 1954. Records available: 1953-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 16, 1953	31.14	Feb. 15, 1954	31.48	June 7, 1954	31.48	Oct. 11, 1954	31.10
Nov. 17	31.73	Mar. 1	31.30	July 12	31.00	Nov. 9	31.34
Dec. 3	31.36	Apr. 5	31.77	Aug. 24	30.20	Dec. 6	31.34
Jan. 6, 1954	31.79	May 10	31.66	Sept. 7	31.20		

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: 1947-54. Jan. 25, 56.36; Mar. 12, 56.34; May 12, 56.29; July 15, 56.10; Sept. 16, 56.54; Dec. 8, 56.01.

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 feet. Highest water level 58.26 below lsd, Dec. 11, 1952; lowest 63.85 below lsd, Oct. 22, 1953. Records available: 1952-54. Jan. 25, 61.30; May 12, 61.70; July 15, 62.25; Dec. 8, 62.66.

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: 1947-54. Feb. 9, 49.20; Mar. 23, 49.12; June 9, 49.34; Aug. 11, 49.48; Oct. 19, 49.72.

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: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	60.02	60.34	60.41	60.32	60.25	60.04	60.19	60.31	60.23	60.54
2	.....	.....	60.07	60.47	60.39	60.27	60.29	59.94	60.13	60.25	60.34	60.53
3	.....	.....	60.17	60.56	60.30	60.32	60.21	59.99	60.10	60.13	60.33	60.30
4	.....	.....	60.20	60.48	60.29	60.25	60.13	60.01	60.22	60.25	60.33	60.39
5	.....	.....	60.23	60.44	60.31	60.32	60.13	60.04	60.22	60.34	60.38	60.69
6	.....	.....	60.12	60.22	60.29	60.35	60.12	60.13	60.24	60.45	60.33	60.71
7	.....	.....	60.14	60.27	60.33	60.32	60.03	60.12	60.24	60.57	60.40	60.27
8	.....	.....	60.17	60.50	60.33	60.34	60.10	60.07	60.35	60.42	60.45	60.37
9	.....	.....	60.01	60.42	60.41	60.34	60.10	60.06	60.28	60.21	60.60	60.57
10	.....	59.83	59.99	60.34	60.43	60.30	60.10	60.15	60.23	60.17	60.56	60.62
11	.....	60.16	60.08	60.51	60.28	60.28	60.08	60.23	60.31	60.01	60.58	60.60
12	.....	60.16	60.05	60.55	60.46	60.29	60.01	60.24	60.30	60.01	60.57	60.39
13	.....	59.95	60.08	60.42	60.48	60.35	60.09	60.24	60.25	60.18	60.42	60.30
14	.....	59.72	60.24	60.29	60.49	60.29	60.02	60.14	60.23	60.19	60.42	60.41
15	.....	59.98	60.40	60.15	60.42	60.23	60.16	60.20	60.25	60.25	60.41	60.40
16	.....	60.11	60.42	60.10	60.37	60.22	60.19	60.22	60.30	60.25	60.21	60.25
17	.....	60.11	60.37	60.19	60.45	60.33	60.08	60.23	60.22	60.35	60.23	60.41
18	.....	60.10	60.21	60.27	60.44	60.39	59.99	60.14	60.22	60.39	60.25	60.42
19	.....	60.03	60.07	60.44	60.49	60.33	60.00	60.14	60.08	60.55	60.23	60.42
20	.....	59.87	60.24	60.49	60.51	60.22	59.97	60.21	60.12	60.45	60.29	60.42
21	.....	59.99	60.30	60.40	60.51	60.17	60.00	60.29	60.16	60.35	60.32	60.33
22	.....	60.02	60.20	60.47	60.45	60.18	60.06	60.28	60.34	60.38	60.34	60.38
23	.....	59.87	60.24	60.48	60.45	60.26	60.08	60.25	60.39	60.42	60.22	60.57
24	.....	59.82	60.21	60.41	60.44	60.23	60.12	60.25	60.32	60.42	60.22	60.40
25	.....	59.83	60.09	60.40	60.46	60.18	60.18	60.17	60.20	60.35	60.36	60.64
26	.....	59.80	60.32	60.37	60.51	60.22	60.20	60.19	60.24	60.27	60.32	60.62
27	.....	59.91	60.30	60.26	60.40	60.33	60.13	60.18	60.24	60.24	60.12	60.62
28	.....	59.97	60.28	60.32	60.39	60.33	60.09	60.22	60.22	60.24	60.21	60.51
29	.....		60.27	60.31	60.28	60.27	60.08	60.20	60.14	60.17	60.61	60.50
30	.....		60.31	60.32	60.44	60.26	60.08	60.22	60.20	60.23	60.64	60.47
31	.....		60.34		60.47		60.08	60.22		60.27		60.56

Sk 6. A. W. Rohn. Baraboo Iron Works. SE¼SW¼ sec. 1, T. 11 N., R. 6 E. Drilled unused artesian well in sandstone, diameter 5 to 4 inches, depth 318 feet, cased to 266. Land-surface datum is 819 feet above msl. Highest water level 5.79 above lsd, Jan. 3, 1953; lowest 0.94 below lsd, Mar. 7, 1953. Records available: 1946-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	+4.19	Apr. 10	+4.01	July 10	+4.00	Oct. 9	+3.93
9	3.98	17	4.11	17	3.95	16	3.99
16	4.03	24	4.10	24	3.70	23	3.49
23	4.00	May 1	3.84	31	3.56	29	3.96
30	3.78	8	2.59	Aug. 7	3.24	Nov. 6	3.90
Feb. 6	3.88	15	4.01	14	3.62	13	3.79
12	3.81	22	3.80	21	3.69	21	3.95
20	3.94	29	3.72	28	3.51	26	3.61
27	2.09	June 4	3.46	Sept. 4	3.49	Dec. 4	3.85
Mar. 6	4.28	12	3.74	11	3.54	11	3.77
13	3.76	19	3.63	18	3.53	18	3.70
19	4.01	26	3.86	26	3.46	24	3.71
27	4.02	July 3	3.80	Oct. 2	5.23	31	3.78
Apr. 3	3.73						

Sk 9. Wisconsin Creamery Co. NW¼SE¼ sec. 12, T. 9 N., R. 6 E. Drilled unused artesian well in sandstone, diameter 10 inches, reported depth 380 feet, cased to 160. Land-surface datum is 757 feet above msl. Highest water level 43.5 below lsd, June 7, 1950, July 20, 1951; lowest 52.3 below lsd, Oct. 24, 1952. Records available: 1950-52. No measurement made in 1954.

Sk 11. Wilbur S. Grant. SW¼NE¼ sec. 15, T. 10 N., R. 6 E. Drilled domestic stock artesian well in sandstone, diameter 8 to 6 inches, reported depth 625 feet, cased to 390. Land-surface datum is 859 feet above msl. Highest water level 82.06 below lsd, July 2, 1953; lowest 89.58 below lsd, Apr. 20, 1951. Records available: 1948-54. Feb. 10, 83.00; June 10, 83.96; Oct. 21, 84.28.

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 1954.

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 1954.

Sawyer County

Sw 7. Wisconsin Conservation Department. NE¼SE¼ sec. 28, T. 41 N., R. 9 W. Dug water-table well in gravel, diameter 8 inches, depth 25 feet. Land-surface datum is 1,190 feet above msl. Highest water level 14.81 below lsd, May 8, 1954; lowest 17.31 below lsd, Oct. 23, 1948. Records available: 1937-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	16.81	Apr. 3	16.75	July 10	15.52	Oct. 9	16.16
8	16.82	10	16.43	17	15.63	16	15.72
15	16.85	17	16.29	24	15.81	23	15.49
22	16.85	24	16.20	31	16.01	30	15.72
29	16.85	May 1	15.60	Aug. 7	16.03	Nov. 6	15.90
Feb. 5	16.87	8	14.81	14	16.14	13	16.05
11	16.88	15	15.07	21	16.25	20	16.20
14	16.90	22	15.38	28	16.33	27	16.30
20	16.90	29	15.64	Sept. 4	16.36	Dec. 3	16.37
27	16.88	June 5	15.79	11	16.39	11	16.46
Mar. 6	16.90	12	15.95	18	16.35	17	16.51
13	16.90	22	15.93	25	16.00	24	16.55
20	16.85	26	15.32	Oct. 2	16.01	31	16.60
27	16.67	July 3	15.20				

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: 1947-54. Jan. 7, 62.15; Mar. 4, 62.40; May 5, 60.27; July 8, 59.20; Sept. 9, 60.69; Nov. 18, 58.37.

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: 1947-54. Jan. 7, 51.16; Mar. 4, 51.84; May 5, 50.92; July 8, 49.27; Sept. 9, 50.57; Nov. 18, 51.00.

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: 1947-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.33	13.50	13.38	11.82	.....	9.72	9.72	11.23	12.45	12.97	11.70	12.41
2	13.34	13.50	13.40	11.93	.....	9.75	9.75	11.24	12.50	12.97	11.80	12.41
3	13.36	13.52	13.43	11.96	.....	9.77	9.75	11.31	12.56	12.94	11.80	12.37
4	13.36	13.54	13.46	11.98	.....	9.76	9.77	11.37	12.57	12.79	11.81	12.42
5	13.35	13.56	13.46	11.98	7.91	9.59	9.83	11.45	12.63	12.65	11.83	12.52
6	13.37	13.58	13.46	11.98	7.94	9.52	9.84	11.51	12.65	12.54	11.72	12.55
7	13.40	13.58	13.49	12.00	8.02	9.48	9.91	11.55	12.68	12.52	11.73	12.55
8	13.40	13.54	13.50	12.01	8.09	9.47	9.98	11.56	12.73	12.44	11.91	12.50
9	13.40	13.53	13.47	11.96	8.18	9.49	10.05	11.58	12.73	12.31	11.93	12.46
10	13.41	13.59	13.48	11.78	8.19	9.58	10.07	11.66	12.78	12.26	11.95	12.55
11	13.40	13.64	13.48	11.70	8.31	9.59	10.08	11.71	12.82	12.18	11.93	12.57
12	13.43	13.65	13.52	11.70	8.41	9.66	10.11	11.75	12.84	12.15	11.96	12.60
13	13.43	13.65	13.50	11.63	8.47	9.70	10.15	11.78	12.84	12.20	11.96	12.60
14	13.40	13.60	13.54	11.50	8.53	9.73	10.26	11.78	12.85	12.20	11.91	12.57
15	13.40	13.67	13.59	11.50	8.58	9.78	10.34	11.86	12.85	12.15	11.92	12.55

Sh 3--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	13.45	13.70	13.60	11.46	8.70	9.84	10.37	11.92	12.86	12.13	11.89	12.59
17	13.46	13.70	13.59	11.45	8.80	9.93	10.38	11.95	12.86	12.08	11.88	12.59
18	13.45	13.70	13.55	11.34	8.88	10.00	10.45	11.95	12.86	12.05	11.94	12.60
19	13.41	13.70	13.50	11.31	9.00	10.00	10.47	12.02	12.81	12.03	11.95	12.64
20	13.47	13.65	13.20	11.31	9.05	10.00	10.56	12.09	12.83	11.95	11.98	12.65
21	13.50	13.48	12.66	11.25	9.11	10.00	10.65	12.14	12.86	11.85	12.02	12.66
22	13.50	13.47	12.35	11.15	9.21	9.94	10.68	12.15	12.91	11.78	12.06	12.66
23	13.48	13.43	12.18	11.12	9.24	9.87	10.73	12.18	12.92	11.75	12.05	12.64
24	13.45	13.35	12.16	10.98	9.31	9.72	10.82	12.21	12.92	11.73	12.04	12.70
25	13.48	13.33	12.08	10.86	9.43	9.63	10.88	12.23	12.90	11.73	12.15	12.70
26	13.50	13.32	12.08	.....	9.49	9.63	10.92	12.28	12.92	11.73	12.15	12.76
27	13.51	13.32	12.00	.....	9.49	9.65	10.97	12.30	12.92	11.69	12.15	12.79
28	13.51	13.36	11.86	.....	9.96	9.65	11.02	12.34	12.93	11.66	12.18	12.80
29	13.50		11.84	.....	9.63	9.60	11.10	12.38	12.94	11.63	12.35	12.80
30	13.54		11.82	.....	9.69	9.63	11.14	12.42	12.96	11.68	12.40	12.79
31	13.54		11.82		9.69		11.20	12.43		11.70		12.79

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: 1947-54. Jan. 7, 8.64; Mar. 4, 8.38; May 5, 5.77; July 6, 6.28; Sept. 9, 7.84; Nov. 18, 5.74.

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: 1948-54. Jan. 7, 19.81; Mar. 4, 20.33; May 5, 14.65; July 8, 14.02; Sept. 9, 17.12; Nov. 18, 12.25.

Trempealeau County

Tr 1. Mrs. William Davidson. SW¼SW¼ sec. 35, T. 19 N., R. 8 W. Drilled unused well in sandstone, diameter 6 inches. Highest water level 133.67 below lsd, Oct. 19, 1954; lowest 142.39 below lsd, Sept. 28, 1949. Records available: 1947-54. Feb. 9, 136.78; Mar. 23, 136.98; June 8, 134.70; Aug. 10, 135.03; Oct. 19, 133.67.

Tr 4. Village of Eleva. NE¼NE¼ sec. 9, T. 24 N., R. 9 W. Drilled public-supply artesian well in Eau Claire sandstone, diameter 10 inches, reported depth 203 feet, cased to 108. Land-surface datum is 872 feet above msl. Highest water level 14.12 below lsd, Aug. 11, 1954; lowest 14.80 below lsd, Sept. 15, 1953. Records available: 1953-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 11, 1953	14.21	Sept. 15, 1953	14.80	Mar. 23, 1954	14.56	Aug. 11, 1954	14.12
June 3	14.64	Nov. 18	14.57	June 9	14.39	Oct. 19	14.78
30	14.37	Feb. 9, 1954	14.71				

Tr 9. Village of Centerville. SE¼SE¼ sec. 33, T. 19 N., R. 9 W. Drilled industrial water-table well in drift of Pleistocene age, diameter 6 inches, reported depth 71 feet, cased to 66, screen 66-71. Highest water level 50.81 below lsd, Nov. 18, 1953, Oct. 19, 1954; lowest 51.52 below lsd, May 13, 1953. Records available: 1953-54.

May 13, 1953	51.52	Nov. 18, 1953	50.81	Mar. 23, 1954	51.15	Aug. 10, 1954	50.94
Sept. 15	51.25	Feb. 9, 1954	50.89	June 8	51.37	Oct. 19	50.81

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: 1934-54.

Jan. 23	47.50	Apr. 24	47.50	July 27	48.22	Oct. 27	48.21
Feb. 23	47.27	May 25	47.19	Aug. 26	48.22	Nov. 19	48.22
Mar. 23	47.19	June 25	47.19	Sept. 22	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 45.47 below lsd, Aug. 10, 1954; lowest 49.39 below lsd, Apr. 8, 1942. Records available: 1934-54. Feb. 8, 45.96; Mar. 22, 45.77; June 8, 45.65; Aug. 10, 45.47; Oct. 18, 45.70.

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: 1935-54. Feb. 8, 7.52; Mar. 22, 7.34; June 8, 7.47; Aug. 10, 7.54; Oct. 18, 6.75.

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: 1948-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	11.11	Apr. 3	11.48	July 10	10.48	Oct. 9	10.70
9	11.10	10	11.28	17	10.70	16	10.32
16	11.09	24	11.04	24	11.02	23	10.19
23	11.16	May 1	10.20	31	11.22	30	10.28
30	11.21	8	9.70	Aug. 7	11.29	Nov. 6	10.54
Feb. 6	11.23	15	9.76	14	11.33	13	10.72
13	11.18	22	10.10	21	11.50	20	10.64
20	11.06	29	10.29	28	11.46	27	10.52
27	11.16	June 5	10.45	Sept. 4	11.49	Dec. 4	10.34
Mar. 6	11.19	12	10.62	11	11.43	11	10.17
13	11.25	19	10.61	18	11.33	18	10.00
20	11.38	26	10.26	25	10.95	25	9.92
27	11.34	July 3	10.20	Oct. 2	10.73		

Vi 21. U. S. Geol. Survey. NE¼NE¼ sec. 10, T. 40 N., R. 10 E. Driven unused water-table well in sand, diameter 1¼ inches, depth 28 feet, cased to 28, well point. Highest water level 12.25 below lsd, May 31, 1954; lowest 16.86 below lsd, Mar. 21, 1949. Records available: 1944-54.

Jan. 5	13.67	Apr. 7	14.11	July 7	12.52	Oct. 4	13.11
11	13.70	12	13.75	12	12.54	13	13.08
19	13.78	20	13.65	19	12.59	18	12.82
26	13.86	28	13.53	29	12.70	25	12.54
Feb. 2	13.87	May 5	13.07	Aug. 3	12.73	Nov. 1	12.44
8	13.91	11	12.69	11	12.80	8	12.47
14	13.97	15	12.41	17	12.85	15	12.46
23	14.03	24	12.27	23	12.91	22	12.56
Mar. 1	14.11	31	12.25	31	12.97	29	12.65
9	14.15	June 7	12.29	Sept. 8	13.05	Dec. 6	12.76
16	14.22	14	12.38	13	13.07	13	12.75
23	14.25	21	12.38	20	13.06	19	12.85
30	14.28	29	12.42	27	13.03	27	12.95

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 31.70 below lsd, Dec. 8, 1954. Records available: 1946-54. Jan. 25, 30.36; Mar. 11, 29.02; May 12, 28.22; July 15, 27.93; Dec. 8, 31.70.

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: 1946-54. Jan. 25, 55.67; Mar. 12, 56.43; May 12, 54.48; July 15, 53.06; Sept. 16, 54.31; Dec. 8, 54.00.

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: 1947-54. Jan. 25, 75.84; Mar. 12, 76.08; May 12, 76.50; July 15, 76.66; Sept. 16, 76.63; Dec. 8, 76.43.

Ww 24. Walworth County Farm and Home. NW¼SE¼ sec. 4, T. 2 N., R. 17 E. Drilled public-supply well in sandstone of Cambrian age, diameter 18 to 12 inches, reported depth 1,702 feet, cased to 435. Highest water level 251.16 below lsd, Jan. 25, 1954; lowest 262.69 below lsd, Dec. 11, 1952. Records available: 1952-54. Jan. 25, 251.16; Mar. 11, 254.98; May 12, 261.06; July 15, 256.09; Sept. 16, 254.71; Dec. 8, 259.47.

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: 1948-54.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	5.06	Apr. 5	5.10	July 5	2.97	Oct. 4	4.13
11	4.98	12	4.50	12	3.40	11	3.61
18	5.07	19	4.35	19	3.76	18	3.74
25	5.10	26	3.85	26	4.00	25	4.02
Feb. 1	5.05	May 3	3.24	Aug. 2	3.67	Nov. 1	4.01
8	5.05	10	3.18	9	4.10	8	4.25
15	5.15	17	3.60	16	3.86	15	4.30
22	4.92	24	3.65	23	3.91	22	4.40
Mar. 1	5.07	31	3.60	30	4.13	29	4.47
8	5.24	June 7	3.85	Sept. 6	4.13	Dec. 6	4.46
15	5.05	14	3.66	13	3.75	13	4.51
22	4.98	21	3.52	20	3.55	20	4.60
29	5.06	28	3.01	27	3.87	27	4.65

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: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	43.34	43.31	40.40	40.70	39.25	40.44	43.27	43.11	43.56	42.70	.....	45.30
2	43.14	42.67	41.11	40.72	38.69	40.16	43.23	43.10	43.60	42.72	.....	44.70
3	42.68	42.56	41.51	40.59	39.04	39.88	42.10	43.75	43.04	42.20	.....	43.65
4	43.42	42.11	40.01	40.64	39.00	38.85	41.50	43.66	43.36	41.54	.....	43.58
5	43.50	42.05	40.65	40.20	39.20	38.95	41.88	42.50	42.50	41.25	.....	43.04
6	42.71	42.48	40.30	40.30	39.32	39.01	41.16	42.81	43.13	42.02	.....	43.43
7	42.94	41.95	40.10	39.77	39.32	39.07	40.30	42.16	42.05	41.50	.....	43.33
8	42.18	41.31	40.78	40.20	39.37	39.86	40.83	41.90	43.13	42.34	.....	43.00
9	42.60	.....	40.46	40.71	39.61	40.04	40.28	41.30	42.46	42.00	.....	42.10
10	42.35	.....	39.58	41.04	39.64	40.40	41.18	41.00	43.63	42.50	.....	41.80
11	43.65	.....	40.28	40.29	39.70	40.62	.....	40.71	42.52	41.50	.....	42.70
12	43.73	.....	40.91	39.40	39.45	40.43	.....	40.00	43.63	43.30	.....	42.25
13	43.27	.....	40.92	40.10	39.20	40.38	.....	39.67	42.32	43.95	.....	42.75
14	43.09	.....	40.11	39.91	39.26	40.84	.....	39.67	42.03	45.21	.....	44.16
15	42.30	42.29	40.27	39.70	39.25	41.06	.....	39.10	43.14	46.27	.....	44.04
16	43.23	41.89	40.35	39.49	39.20	40.70	.....	39.41	43.40	45.74	.....	44.32
17	42.48	42.14	40.40	39.44	39.51	40.61	.....	39.20	42.63	44.45	.....	45.20
18	43.09	42.00	39.35	39.76	39.40	40.31	.....	40.95	41.60	44.90	.....	44.27
19	43.46	41.70	40.20	38.92	39.69	39.76	.....	41.86	41.73	45.55	.....	43.51
20	.....	40.71	39.30	39.62	39.60	40.88	.....	42.79	40.77	45.68	.....	44.71
21	.....	41.60	40.43	39.41	39.50	40.45	.....	41.60	42.70	46.05	.....	43.60
22	.....	40.75	40.43	39.54	39.70	40.80	.....	41.86	42.20	45.55	.....	42.81
23	.....	41.45	40.44	39.39	39.66	40.45	.....	40.86	42.82	47.60	.....	42.10
24	.....	41.09	39.50	39.79	39.85	40.84	.....	43.18	41.80	45.95	.....	43.43
25	.....	40.70	40.52	39.78	40.12	41.24	.....	42.67	42.31	47.00	.....	42.20
26	.....	39.90	40.45	39.59	40.31	41.45	.....	43.00	41.15	46.74	.....	41.80
27	.....	40.80	40.51	39.32	40.21	41.08	.....	42.65	42.84	47.03	.....	42.86
28	43.27	41.51	39.70	39.32	40.04	41.62	43.13	42.87	42.50	.....	.....	43.30
29	43.45		.....	38.50	40.19	42.15	43.10	41.88	43.38	.....	44.10	42.21
30	43.50		40.74	38.81	40.47	41.90	42.12	42.60	43.38	.....	45.45	41.72
31	43.40		40.30		40.47		42.12	42.00		.....		42.28

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: 1946-54. Jan. 13, 15.39; Mar. 9, 15.02; May 10, 14.49; July 13, 16.85; Sept. 14, 14.38; Nov. 29, 16.23.

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 64.28 below lsd, Mar. 30, 1953; lowest 85.34 below lsd, Sept. 3, 1948. Records available: 1946-54. Jan. 14, 67.79; Mar. 10, 66.27; May 11, 64.82; July 14, 65.07; Sept. 15, 65.23; Nov. 30, 64.39.

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: 1946-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr..	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	312.20	311.25	308.97	310.60	312.79	310.33	315.85	315.16	316.01	317.12	314.44	313.56
2	310.87	311.34	309.35	310.80	311.92	310.40	315.50	313.78	316.96	317.05	315.78	314.20
3	308.50	312.10	310.71	311.77	310.25	311.47	315.52	314.53	317.18	316.63	315.16	313.30
4	306.50	312.15	310.72	308.50	311.50	311.55	314.20	315.66	317.35	315.28	315.30	313.31
5	307.00	313.05	310.60	308:30	311.65	311.35	310.75	315.66	316.00	315.55	316.17	313.11
6	307.33	313.12	308.50	310.12	312.24	311.03	312.56	315.87	313.90	315.68	314.80	312.57
7	310.14	313.30	309.98	310.40	312.27	310.20	312.88	316.29	314.85	316.40	314.83	312.70
8	310.37	311.25	308.98	311.10	312.51	310.65	313.43	314.20	316.32	316.00	314.78	313.55
9	311.52	312.41	309.53	312.06	308.80	312.26	314.75	314.50	316.15	316.22	314.30	313.62
10	309.00	312.45	310.76	310.00	310.62	312.40	314.63	315.62	316.61	315.11	314.55	313.75
11	311.20	313.70	310.31	308.80	310.90	312.40	312.60	315.76	317.06	313.80	315.41	314.21
12	311.90	313.71	310.20	310.50	312.22	313.13	313.36	316.80	314.60	314.75	314.40	311.10
13	312.98	313.06	310.85	310.10	312.52	310.85	313.36	317.12	314.94	315.25	314.75	311.53
14	313.52	313.06	307.41	310.35	313.22	311.72	313.67	317.11	314.62	315.87	314.36	312.78
15	313.55	311.90	309.00	311.26	312.00	313.19	314.38	314.40	315.20	314.62	313.06	312.05
16	313.93	311.50	310.36	311.12	312.36	313.78	315.74	315.03	316.30	315.39	313.82	313.76
17	310.75	311.40	310.19	311.00	311.50	314.24	315.76	315.12	315.72	315.10	315.20	313.05
18	312.30	312.69	310.00	310.65	311.42	315.42	314.45	315.80	315.87	315.32	314.44	313.10
19	312.65	311.72	310.84	309.90	312.60	314.58	313.60	315.80	315.03	314.06	314.80	312.80
20	314.07	310.80	309.51	310.30	312.10	314.58	314.20	316.30	314.60	315.03	315.16	312.00
21	314.27	310.59	308.90	311.58	312.20	313.85	315.54	316.70	315.46	316.01	312.75	312.74
22	314.72	309.46	309.80	311.55	313.15	314.17	315.54	313.40	315.38	316.70	312.00	313.45
23	314.76	309.60	309.81	312.65	310.70	314.48	315.50	314.45	316.65	317.27	313.25	313.00
24	314.38	310.85	309.90	312.50	311.20	315.52	315.96	315.45	316.20	315.30	313.40	313.15
25	314.15	309.51	310.76	309.20	313.10	315.34	315.20	315.81	316.22	314.01	313.84	312.98
26	314.34	309.85	310.84	310.65	313.31	315.34	315.08	315.62	315.50	314.80	313.82	309.80
27	314.35	309.83	310.30	311.40	313.31	315.34	315.84	316.62	314.22	315.20	312.00	310.60
28	314.45	309.70	310.12	312.30	313.43	314.68	315.95	315.70	314.85	315.55	312.23	312.08
29	314.44		309.30	312.11	312.46	314.68	316.67	315.85	316.08	316.23	312.85	311.90
30	313.62		309.85	312.78	312.45	314.72	316.32	315.67	315.72	315.43	312.97	312.99
31	310.30		310.34		311.42		316.35	315.80		315.50		313.51

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 351.74 below lsd, Oct. 28, 1954. Records available: 1946-47, 1950, 1952-54. Feb. 25, 338.35; Apr. 28, 342.05; June 28, 350.36; Aug. 26, 351.05; Oct. 28, 351.74.

Wk 20. G. W. Aeppler. SE¼NE¼ sec. 6, T. 7 N., R. 17 E. Drilled irrigation artesian well in sandstone and limestone, diameter 10 inches, reported depth 773 feet, cased to 187. Land-surface datum is 866 feet above msl. Highest water level 25.70 below lsd, July 3, 1947; lowest 33.72 below lsd, Sept. 14, 1954. Records available: 1946-54. Jan. 13, 31.00; Mar. 9, 33.33; May 10, 32.37; July 13, 33.53; Sept. 14, 33.72.

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: 1946-54. Jan. 14, 27.27; Mar. 10, 27.44; May 10, 27.36; July 13, 27.64; Sept. 14, 26.78; Nov. 30, 26.81.

Wk 29. 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 79.66 below lsd, July 14, 1954. Records available: 1946-54. Feb. 26, 72.57; Mar. 9, 78.76; May 11, 74.25; July 14, 79.66; Sept. 15, 69.50.

Wk 31. William M. Foss. NE¼NW¼ sec. 2, T. 5 N., R. 19 E. Drilled unused artesian well in limestone, diameter 6 inches, reported depth 600 feet. Land-surface datum is 963 feet above msl. Highest water level 129.02 below lsd, Aug. 4, 1952; lowest 134.79 below lsd, Mar. 2, 1950. Records available: 1947-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	132.74	132.98	133.10	133.26	133.29	133.21	133.39	133.02	132.92	133.08	132.71	132.90
2	132.75	132.91	133.11	133.29	133.28	133.27	133.37	132.98	132.92	133.03	132.77	132.85
3	132.85	132.98	133.17	133.37	133.21	133.20	133.30	133.02	132.96	132.93	132.77	132.74
4	132.85	132.99	133.20	133.33	133.20	133.25	133.24	133.03	132.96	133.00	132.76	132.87
5	132.77	133.03	133.21	133.26	133.24	133.27	133.26	133.05	132.97	133.02	132.79	132.98
6	132.80	133.13	133.17	133.18	133.20	133.26	133.24	133.08	132.97	133.09	132.76	133.00
7	132.84	133.14	133.19	133.21	133.22	133.23	133.12	133.09	132.98	133.11	132.79	132.99
8	132.84	132.99	133.22	133.34	133.21	133.26	133.15	133.07	133.30	132.97	132.88	132.83
9	132.86	133.06	133.13	133.33	133.21	133.24	133.14	133.07	133.00	132.86	132.92	132.82
10	132.87	133.06	133.14	133.24	133.23	133.25	133.12	133.01	132.99	132.76	132.90	132.90
11	132.85	133.23	133.21	133.33	133.20	133.24	133.11	133.07	133.04	132.71	132.89	132.94
12	132.93	133.23	133.20	133.38	133.31	133.25	133.06	133.08	133.05	132.80	132.86	132.98
13	132.92	133.12	133.19	133.30	133.29	133.32	133.09	133.08	133.01	132.81	132.76	132.96
14	132.85	133.01	133.30	133.19	133.27	133.29	133.04	132.98	132.99	132.76	132.80	132.80
15	132.83	133.14	133.40	133.18	133.24	133.27	133.12	133.00	133.03	132.75	132.74	132.89
16	132.96	133.19	133.42	133.22	133.19	133.26	133.14	133.00	133.03	132.77	132.73	132.90
17	132.95	133.21	133.39	133.23	133.25	133.33	133.08	133.00	133.01	132.88	132.73	132.83
18	132.88	133.17	133.29	133.29	133.26	133.36	133.01	132.91	132.98	132.89	132.72	132.95
19	132.87	133.12	133.18	133.52	133.28	133.35	133.04	132.96	132.94	132.89	132.77	132.95
20	133.02	132.97	133.30	133.52	133.30	133.28	133.03	133.01	132.96	132.84	132.78	132.96
21	133.02	133.09	133.34	133.48	133.28	133.20	133.05	133.02	133.01	132.77	132.80	132.96
22	132.99	133.13	133.29	133.48	133.28	133.26	133.07	133.02	133.07	132.77	132.70	132.89
23	132.91	132.99	133.31	133.54	133.27	133.29	133.09	132.99	133.10	132.79	132.75	133.02
24	132.95	132.99	133.32	133.44	133.25	133.27	133.11	132.96	133.05	132.79	132.83	133.02
25	132.94	132.99	133.25	133.35	133.29	133.25	133.15	132.92	133.05	132.71	132.81	133.00
26	133.00	132.98	133.29	133.23	133.33	133.30	133.17	132.92	133.03	132.67	132.70	132.95
27	133.02	133.02	133.29	133.24	133.28	133.33	133.14	132.93	.....	132.69	132.93	132.94
28	132.95	133.07	133.24	133.32	133.19	133.34	133.12	132.95	133.04	132.61	.....	132.95
29	132.94		133.26	133.28	133.29	133.33	133.07	132.93	133.03	132.64	.....	132.80
30	133.06		.....	133.29	133.37	133.32	133.12	132.94	133.07	132.70	.....	132.84
31	133.06		133.25		133.30		133.02	132.93		132.72		132.84

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 47.99 below lsd, Mar. 10, 1954. Records available: 1947-54. Jan. 14, 47.63; Mar. 10, 47.99; May 10, 47.94; July 13, 47.85; Sept. 14, 47.55; Dec. 6, 47.27.

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: 1947-54. Jan. 14, 37.40; Mar. 10, 37.51; May 10, 36.64; July 13, 35.98; Sept. 14, 36.96; Dec. 6, 37.29.

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: 1952-54. Feb. 25, 12.95; Apr. 28, 10.44; June 28, 10.20; Sept. 16, 11.25; Dec. 29, 10.27.

Wk 86. Gray. NE¼NE¼ sec. 27, T. 7 N., R. 19 E. Drilled domestic artesian well in limestone, diameter 6 inches, reported depth 120 feet. Land-surface datum is 893 feet above msl. Highest water level 27.86 below lsd, Mar. 30, 1953; lowest 35.49 below lsd, Jan. 14, 1954. Records available: 1950-54. Jan. 14, 35.49; Mar. 9, 35.28; May 11, 33.95; July 14, 32.90; Sept. 15, 33.05; Nov. 30, 32.65.

Waupaca County

Wp 2. Village of Fremont. NW¼SE¼ sec. 26, T. 21 N., R. 13 E. Drilled unused artesian well in sandstone, diameter 8 inches, reported depth 205 feet, cased to 109. Highest water level 10.81 below lsd, Apr. 23, 1951; lowest 15.91 below lsd, Feb. 23, 1954. Records available: 1950-54. Feb. 23, 15.91; Mar. 22, 15.02; June 27, 13.18.

Waushara County

Ws 1. University of Wisconsin Experiment Farm. Hancock. NE¼NW¼ sec. 15, T. 19 N., R. 8 E. Driven unused water-table well, diameter 1¼ inches, depth 16 feet, well point. Highest water level 5.23 below lsd, June 14, 1947; lowest 11.51 below lsd, Feb. 27, 1951. Records available: 1947-51, 1953-54. This well was redriven in August 1945.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 8	10.70	Oct. 4	10.28	Oct. 19	9.72	Nov. 17	9.35
30	10.82	12	9.87	Nov. 3	9.45	Dec. 24	9.65
Sept. 4	10.83						

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: 1949-54. Jan. 5, 54.73; Mar. 2, 55.08; May 3, 55.60; July 8, 56.08; Aug. 30, 55.98; Nov. 9, 55.62.

Ws 7. U. S. Geol. Survey. SE¼SE¼ sec. 10, T. 20 N., R. 8 E. Driven unused water-table well, diameter 1¼ inches, depth 17 feet. Highest water level 9.71 below lsd, Apr. 28, 1952; lowest 14.99 below lsd, Apr. 12, 1954. Records available: 1950-54.

Jan. 4	13.84	Apr. 5	14.98	July 6	12.79	Oct. 11	11.00
11	13.94	12	14.99	13	11.64	18	10.77
18	14.04	19	14.95	18	12.02	25	10.63
26	14.17	26	14.83	26	11.98	Nov. 1	10.61
Feb. 1	14.24	May 3	14.50	Aug. 9	12.16	8	10.69
8	14.32	10	14.16	16	11.99	15	10.79
16	14.42	17	13.97	23	12.00	22	10.82
22	14.50	23	13.80	30	12.48	29	10.98
Mar. 1	14.59	June 1	13.66	Sept. 7	12.59	Dec. 6	11.06
8	14.65	7	13.59	13	12.54	13	11.10
15	14.76	11	13.44	20	12.45	19	11.20
22	14.83	21	13.21	27	12.21	27	11.31
29	14.91	28	13.05	Oct. 4	11.62		

Ws 8. University of Wisconsin Experiment Farm. Hancock. NE¼NW¼ sec. 15, T. 19 N., R. 8 E. Jetted unused water-table well in sand and gravel, diameter 4 inches, depth 18 feet. Highest water level 7.14 below lsd, May 11, 1952; lowest 11.58 below lsd, May 14, 1954. Records available: 1951-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.43	10.72	11.11	11.40	11.27	10.69	11.21	10.09	10.19	9.84	8.82	.....
2	10.45	10.79	11.13	11.41	11.21	10.69	10.49	10.04	10.71	9.83	8.82	.....
3	10.48	10.80	11.09	11.40	11.16	10.64	10.49	10.03	10.26	9.81	8.81	.....
4	10.49	10.81	11.10	11.40	11.12	10.64	10.48	10.03	10.25	9.76	8.77	.....
5	10.53	10.82	11.10	11.40	11.10	10.64	10.47	10.03	10.24	9.70	8.77	.....
6	10.54	10.84	11.11	11.39	11.08	10.63	10.46	10.03	10.24	9.62	8.76	.....
7	10.56	10.85	11.13	11.39	11.06	10.63	10.43	10.03	10.27	9.56	8.76	.....
8	10.57	10.86	11.13	11.39	11.04	10.63	10.41	10.02	10.27	9.48	8.76	.....
9	10.58	10.92	11.15	11.39	11.02	10.63	10.36	10.02	10.28	9.40	8.76	.....
10	10.59	10.94	11.15	11.38	11.00	10.60	10.29	10.02	10.28	9.36	8.70	.....
11	10.59	10.95	11.23	11.45	10.99	10.60	10.26	10.04	10.29	9.28	8.70	.....
12	.....	.....	11.25	11.47	10.97	11.30	10.22	10.14	10.29	9.24	8.70	.....
13	.....	.....	11.26	11.47	10.93	10.63	10.23	10.73	10.29	9.21	8.70	.....
14	.....	.....	11.29	11.48	11.58	11.20	10.77	10.71	10.29	9.20	8.70	.....
15	.....	.....	11.30	11.49	10.92	11.35	10.70	10.11	10.29	9.20	8.70	.....
16	.....	11.00	11.30	11.49	10.90	11.27	10.23	10.09	10.29	9.11	8.69	.....
17	.....	11.01	11.31	11.49	10.88	10.60	10.16	10.09	10.28	9.10	8.68	.....
18	.....	11.02	11.33	11.49	10.87	10.60	10.15	10.09	10.26	9.09	8.68	.....
19	10.70	11.03	11.32	11.49	11.50	10.60	.....	10.10	.....	9.07	8.68	.....
20	10.70	11.03	11.34	.....	.....	10.59	.....	10.11	.....	9.05	8.69	.....
21	10.70	11.05	11.35	.....	.....	10.59	.....	10.12	.....	9.02	8.69	.....
22	10.70	11.07	11.36	.....	.....	10.58	.....	10.12	.....	9.00	8.70	.....
23	10.70	11.07	11.37	11.49	.....	10.58	.....	10.12	.....	8.98	.....	.....
24	10.70	11.05	11.38	11.48	.....	10.58	.....	10.13	.....	8.96	.....	.....
25	10.70	11.07	11.39	11.46	.....	10.54	10.15	10.14	.....	8.94	.....	.....
26	10.70	11.08	11.38	11.44	10.71	10.54	10.74	10.50	.....	8.94	.....	.....
27	10.70	11.10	11.39	11.42	10.70	10.54	10.88	10.50	.....	.....	.....	.....
28	10.70	11.10	11.40	11.39	10.70	10.53	10.15	10.17	.....	8.83	.....	.....
29	10.70		11.40	11.37	10.70	10.52	10.72	10.18	9.86	8.83	.....	.....
30	10.70		11.40	11.33	10.70	11.38	10.72	10.19	9.85	8.83	.....	.....
31	10.71		11.40		10.69		10.22	10.19		8.83		.....

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 19.20 below lsd, Apr. 20-21, 1954. Records available: 1951-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.17	18.49	18.79	19.05	19.08	18.40	18.27	17.76	17.98	17.67	16.86	16.72
2	18.17	18.52	18.80	19.06	19.06	18.40	18.27	17.76	17.99	17.66	16.86	16.72
3	18.19	18.52	18.81	19.07	19.01	18.39	18.26	17.75	18.01	17.62	16.85	16.71
4	18.20	18.53	18.81	19.08	18.99	18.39	18.25	17.75	18.00	17.60	16.63	16.71
5	18.20	18.54	18.82	19.08	18.95	18.39	18.25	17.75	18.02	17.58	16.62	16.75
6	.....	18.56	18.83	19.09	18.91	18.39	18.24	17.75	18.03	17.54	16.62	16.76
7	.....	18.57	18.84	19.11	18.89	18.38	18.22	17.74	18.04	17.51	16.62	16.76
8	.....	18.58	18.85	19.11	18.86	18.38	18.22	17.74	18.05	17.44	16.62	16.75
9	.....	18.59	18.86	19.12	18.83	18.37	18.22	17.75	18.05	17.37	16.62	16.76
10	.....	18.59	18.87	19.14	18.80	18.37	18.20	17.76	18.07	17.29	16.61	16.76
11	.....	18.61	18.84	19.15	18.76	18.37	18.19	17.76	18.06	17.21	16.60	16.77
12	.....	18.62	18.85	19.15	18.74	18.37	18.16	17.77	18.07	17.15	16.60	16.78
13	.....	18.62	18.85	19.15	18.69	18.36	18.14	17.78	18.07	17.10	16.59	16.78
14	18.31	18.63	18.86	19.16	18.68	18.36	18.10	17.78	18.08	17.06	16.60	16.78
15	18.31	18.64	18.87	19.16	18.65	18.36	18.08	17.81	18.09	17.02	16.60	16.78
16	18.32	18.68	18.89	19.17	18.63	18.36	18.06	17.82	18.09	16.96	16.58	16.79
17	18.33	18.68	18.89	19.17	18.61	18.36	18.02	17.83	18.09	16.94	16.59	.....
18	18.34	18.68	18.91	.....	18.59	18.35	17.99	17.83	18.09	16.92	16.59	.....
19	18.37	18.69	18.92	.....	18.57	18.35	17.96	17.85	.....	16.88	16.59	.....
20	18.37	18.69	18.92	19.20	18.54	18.35	17.94	17.87	.....	16.86	16.59	.....
21	18.38	18.71	18.93	19.20	18.53	18.34	17.92	17.87	18.01	16.83	16.60	16.87
22	18.39	18.72	18.94	19.19	18.52	18.33	17.90	17.88	17.97	16.81	16.61	16.87
23	18.39	18.72	18.96	19.18	18.51	18.33	17.88	17.88	17.93	16.80	16.61	16.84
24	18.40	18.74	18.97	19.18	18.50	18.33	17.86	17.89	17.87	16.77	16.61	16.86
25	18.41	18.75	18.99	19.17	18.48	18.31	17.83	17.89	17.82	16.87	16.64	16.86
26	18.46	18.76	19.00	19.16	18.46	18.31	17.83	17.91	17.78	.....	16.64	16.87
27	18.45	18.77	19.00	19.14	18.45	18.30	17.81	17.91	17.75	.....	16.63	16.88
28	18.46	18.78	19.01	19.14	18.42	18.30	17.80	17.93	17.72	16.87	16.63	16.92
29	18.46		19.01	19.13	18.42	18.29	17.79	17.94	17.70	16.87	16.71	16.92
30	18.47		19.03	19.12	18.42	18.28	17.78	17.97	17.68	16.87	16.72	16.90
31	18.49		19.03		18.41		17.78	17.98		16.87		16.90

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: 1946-54. Jan. 8, 51.05; Mar. 5, 52.86; May 5, 48.13; July 8, 49.86; Sept. 10, 56.25; Nov. 18, 45.29.

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: 1950-54. Jan. 8, 33.96; Mar. 5, 34.57; Sept. 10, 32.53; Nov. 18, 28.73.

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 57.28 below lsd, Sept. 10, 1954. Records available: 1952-54. Jan. 8, 46.64; Mar. 5, 49.73; May 5, 41.05; July 8, 40.41; Sept. 10, 57.28; Nov. 18, 36.84.

Wood County

Wd 29. Elmer Aschenbrenner. NE¼NE¼ sec. 2, T. 23 N., R. 4 E. Drilled unused water-table well in sand, diameter 8 to 6 inches, depth 18 feet. Highest water level 2.86 below lsd, Apr. 23, 1951; lowest 13.99 below lsd, Feb. 15, 1954. Records available: 1944-54.

Wd 29--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	12.99	Apr. 5	12.80	July 5	5.88	Oct. 4	5.10
11	13.14	12	11.89	12	5.93	11	5.16
18	13.38	19	11.16	19	5.95	18	5.39
25	13.60	26	10.06	26	5.97	25	5.45
Feb. 1	13.69	May 3	8.33	Aug. 2	6.00	Nov. 1	5.64
8	13.75	10	6.93	9	6.08	8	5.70
15	13.99	17	6.05	16	6.21	16	5.78
22	13.85	24	6.10	23	6.18	22	5.86
Mar. 1	13.78	31	6.08	30	6.22	29	5.96
8	13.69	June 7	6.02	Sept. 7	6.01	Dec. 6	6.05
15	13.44	14	5.99	13	5.79	13	6.09
22	13.38	21	5.97	20	5.28	20	6.12
29	13.33	28	5.90	27	5.30	27	6.15

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