

# Ground-Water Levels in the United States 1962-66

North-Central States

---

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1976

*Prepared in cooperation with the States  
of Iowa, Kansas, Minnesota, Nebraska,  
North Dakota, South Dakota, and  
Wisconsin, and with other agencies*



# Ground-Water Levels in the United States 1962-66

## North-Central States

*Prepared under the direction of C. L. McGuinness, Chief, Ground Water Branch*

---

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1976

*Prepared in cooperation with the States  
of Iowa, Kansas, Minnesota, Nebraska,  
North Dakota, South Dakota, and  
Wisconsin, and with other agencies*



UNITED STATES DEPARTMENT OF THE INTERIOR

WALTER J. HICKEL, *Secretary*

GEOLOGICAL SURVEY

William T. Pecora, *Director*

Library of Congress catalog-card No. GS 60-161

---

For sale by the Superintendent of Documents, U.S. Government Printing Office  
Washington, D.C. 20402 - Price 55 cents (paper cover)

---

#### PREFACE

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

E. L. Hendricks . . . . . Chief Hydrologist  
C. L. McGuinness . . . . . Chief, Ground Water Branch  
S. W. Wittala . . . . . District Chief (Water Resources Division), Iowa City, Iowa  
R. J. Dingman . . . . . District Chief (Water Resources Division), Lawrence, Kans.  
C. R. Collier . . . . . District Chief (Water Resources Division), St. Paul, Minn.  
K. A. Mackichan . . . . . District Chief (Water Resources Division), Lincoln, Nebr.  
H. M. Erskine . . . . . District Chief (Water Resources Division), Bismarck, N. Dak.  
J. E. Powell . . . . . District Chief (Water Resources Division), Huron, S. Dak.  
C. L. R. Holt, Jr. . . . . District Chief (Water Resources Division), Madison, Wis.

## CONTENTS

	Page
Introduction, by C. L. McGuinness . . . . .	1
Illinois . . . . .	3
Iowa . . . . .	6
Kansas . . . . .	20
Minnesota . . . . .	28
Missouri . . . . .	43
Nebraska . . . . .	46
North Dakota . . . . .	69
South Dakota . . . . .	86
Wisconsin . . . . .	94

## ILLUSTRATIONS

Figure 1. Outline map of the United States showing States included in this volume. . . . .	2
2-10. Location of observation wells, 1962-66 in. . . . .	
2. Illinois . . . . .	4
3. Iowa . . . . .	7
4. Kansas . . . . .	21
5. Minnesota . . . . .	30
6. Missouri . . . . .	44
7. Nebraska . . . . .	47
8. North Dakota . . . . .	70
9. South Dakota . . . . .	87
10. Wisconsin . . . . .	95

## GROUND-WATER LEVELS IN THE UNITED STATES 1962-66

## NORTH-CENTRAL STATES

## INTRODUCTION

By C. L. McGuinness

Publication of records of water levels in the United States in the annual series of water-supply papers was begun by the Geological Survey in 1935. From 1935 through 1939, five volumes were issued as Water-Supply Papers 777, 817, 840, 845, and 886. From 1940 through 1955, six volumes, each for a separate section of the United States as shown in figure 1, were published annually.

Beginning in 1956, only water-level data from a basic network of observation wells has been published. This basic network provides observation wells so located that the most significant data are obtained from the fewest wells in the most important aquifers. In some States the basic network forms the skeletal index of a more comprehensive observation-well program. Publications that contain substantial additional water-level data are listed at the end of each State report in this volume. The following table gives the number of water-supply papers by year and section.

Year	North-eastern (1)	South-eastern (2)	North-central (3)	South-central (4)	North-western (5)	South-western (6)
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	986	987	988	989	990	991
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028
1946	1071	1072	1073	1074	1075	1076
1947	1096	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161
1950	1165	1166	1167	1168	1169	1170
1951	1191	1192	1193	1194	1195	1196
1952	1221	1222	1223	1224	1225	1226
1953	1265	1266	1267	1268	1269	1270
1954	1321	1322	1323	1324	1325	1326
1955	1404	1405	1406	1407	1408	1409
1956	....	....	1456	....	....	....
1956-57	1537	....	....	....	....	....
1956-58	....	1538	....	....	....	....
1956-59	....	....	....	1549	....	....
1956-60	....	....	....	....	1760	1770
1957-61	....	....	1781	....	....	....
1958-62	1782	....	....	....	....	....
1959-63	....	1803	....	....	....	....
1960-64	....	....	....	1824	....	....
1961-65	....	....	....	....	1845	1855
1962-66	....	....	1976	....	....	....

Each well is identified by means of (1) a local number that is provided for continuity with older reports and for other use as dictated by local needs, and (2) a code number that is based on the universal system of latitude and longitude. The latter number serves not only to identify the well but also to locate it as a point on a map. For maximum utility, latitude and longitude code numbers are determined to seconds in order that each well may have a unique number.

The first six digits represent degrees, minutes, and seconds of latitude; "N" refers to north latitude and is used to break up the string of numbers; the next seven digits are degrees, minutes, and seconds of west longitude; and the number after the decimal point is a sequential number assigned in the order in which the wells are located in a 1-second square quadrangle.

A well spotted on a map may be assigned a precise code number even though the map location may not represent the accurate location of the well on the ground. Judgment as to the accuracy of the well location is indicated as follows:

1. Both field location and map spotting are accurate to nearest second of latitude and longitude: Coordinates to seconds are used but with no underscoring.
2. Not accurate to nearest seconds but accurate to better than 10 seconds of latitude and longitude: Coordinates to the nearest second are used, but 1-second digits are underscored.
3. Accurate to nearest 10 seconds of latitude and longitude: Coordinates to nearest 10 seconds are used, but 10-second digits are underscored.
4. Accurate to nearest minute: Seconds of latitude and longitude are used but digits for minutes are underscored.
5. Where map scales permit determination only to minutes, zeros for seconds of latitude and longitude are used and digits for minutes are underscored.

In the collection of water-level data to serve the objectives of the observation-well program, the problem generally is to measure changes in water level accurately, rather than to determine the absolute position of the water surface. Because the measurements are made in many types of wells, under varying conditions of access and at different temperatures, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the best possible combination of measuring technique and equipment is used, and so long as it is not changed, the measurements at each well will be consistent.

Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsl). Mean sea level is the datum plane on which the national network of precise levels is based; land-surface datum is a precise datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. A plus sign (+) is placed before a measurement if the level is above the plane of reference. Measurements of water levels in wells equipped with recording gages are given for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions, and the end use of the information. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, in view of the principal use to which the data are put, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Measurements were made under the direction of the appropriate district supervisors in the several States.

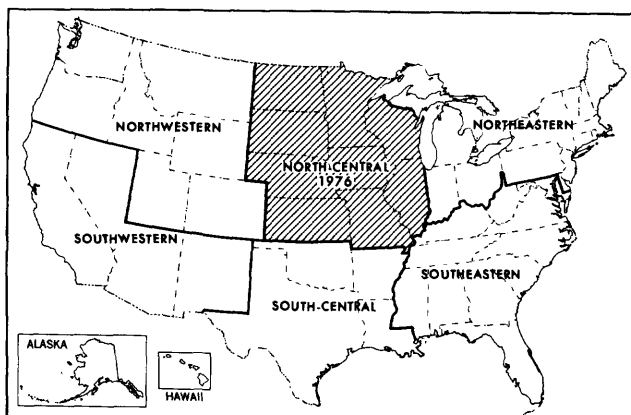


Figure 1.—Outline map of the United States showing States included in this volume.

# ILLINOIS

Figure 2 shows the location of observation wells in Illinois.

## Well-Numbering System

The number assigned to the Bureau County well shows its location according to the Bureau of Land Management's system for subdivision of public land. The Illinois well-numbering system consists of four parts: township, range, section, and coordinate within the section. Sections are divided into rows of 1/8-mile squares which correspond to a quarter of a quarter of a quarter section. Rows are numbered from east to west and lettered from south to north.

## Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum.

### Bureau County

412220N0892803.1. Local number 16N-9E-16.8e. Formerly 16-9E-9N1. Perry Croissant. 326 1st St., Princeton. Dug unused water-table well in glacial drift, diam 32 in, depth 29 ft, cribbed with brick. Lsd 698 above msl. Non-recording gage installed Nov. 11, 1942. Gage reads 3.00 ft below lsd, since Aug. 5, 1959. Highest water level 2.94 below lsd, May 15, 1943; lowest 26.64 below lsd, Mar. 30, 1957. Records available: 1943-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1962	8.42	Nov. 28, 1962	14.95	Apr. 15, 1964	8.60	Sept. 15, 1965	11.38
13	8.77	Dec. 15	15.86	28	5.90	28	9.64
20	9.06	28	16.66	May 15	8.38	Oct. 15	11.66
27	8.52	Jan. 15, 1963	16.78	28	10.17	28	12.03
Feb. 3	8.40	28	16.98	June 20	5.46	Nov. 15	12.62
10	7.44	Feb. 15	16.92	July 15	11.28	28	12.14
17	7.22	28	16.85	28	11.99	Dec. 15	12.34
24	7.35	Mar. 15	11.18	Aug. 15	13.34	28	8.20
Mar. 3	7.24	28	11.67	28	14.51	Jan. 15, 1966	7.67
10	7.34	Apr. 15	11.38	Sept. 15	16.84	28	9.18
17	5.62	28	10.75	28	14.58	Feb. 15	7.60
24	4.34	May 15	8.81	Oct. 15	17.36	28	9.42
31	5.20	28	8.95	28	18.51	Mar. 15	9.68
Apr. 7	5.12	June 15	11.51	Nov. 15	19.00	28	9.71
14	5.78	28	12.54	28	17.36	Apr. 15	10.10
21	6.23	July 15	10.61	Dec. 15	16.14	28	5.10
28	6.71	28	11.06	28	17.04	May 10	6.00
May 5	5.62	Aug. 15	13.36	Jan. 15, 1965	14.51	20	4.90
12	4.41	28	12.73	28	10.51	June 10	6.43
19	5.88	Sept. 15	14.32	Feb. 15	10.22	20	8.41
26	6.61	Oct. 2	16.12	28	11.61	July 2	9.87
June 2	6.85	15	17.37	Mar. 15	10.01	20	12.00
9	7.54	28	15.40	28	9.71	Aug. 9	12.80
28	10.00	Nov. 15	16.78	Apr. 15	5.57	20	13.48
July 15	8.01	28	15.31	28	4.67	Sept. 10	15.77
28	10.37	Dec. 15	16.01	May 15	6.60	21	15.53
Aug. 15	11.71	28	16.23	28	8.26	Oct. 10	18.21
28	12.45	Jan. 15, 1964	16.61	June 15	10.67	20	17.11
Sept. 15	12.64	28	15.67	28	11.96	Nov. 10	18.42
28	14.32	Feb. 15	15.69	July 15	12.49	22	17.90
Oct. 15	14.28	28	15.62	28	13.68	Dec. 10	11.32
28	14.63	Mar. 15	10.24	Aug. 15	13.78	20	13.86
Nov. 15	16.30	28	8.25	28	13.04		

### Du Page County

414236N0875833.1. Local number 37N-11E-9H1 (previously reported ANL 10). Argonne National Laboratory. Drilled unused artesian well in Niagara Dolomite of Middle Silurian age, diam 10 in, depth 199 ft, cased to 86. Lsd 705 ft above msl. MP top of casing, 2.40 ft above lsd. Highest water level 57.79 below lsd, May 8, 1950; lowest 83.78 below lsd, Dec. 21, 1966. Records available: 1948-66. Affected by pumping of nearby wells.



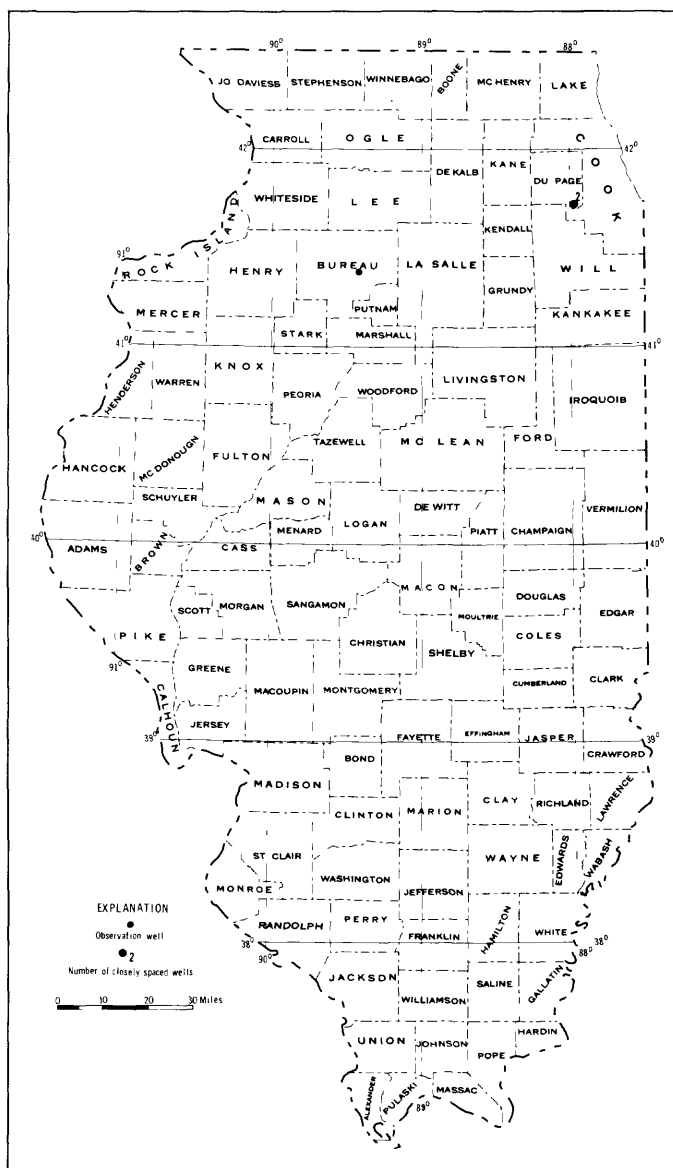


Figure 2.--Location of observation wells in Illinois, 1962-66.

414236N0875832\_1--Continued.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	74.98	73.93	e73.00	74.16	74.40	74.91	78.64	76.05	76.96	77.11	77.44	78.12
10	75.03	75.00	74.70	73.97	74.30	74.18	78.01	76.22	77.48	77.41	77.45	77.33
15	74.79	74.96	e74.50	71.75	73.96	74.46	75.51	77.14	77.41	77.21	77.62	77.34
20	74.90	74.39	73.59	73.47	74.56	75.21	76.20	76.46	76.23	77.60	78.15	77.63
25	74.51	72.24	73.73	e73.10	74.91	74.95	75.53	76.98	77.49	77.81	77.77	76.69
Eom	74.13	e73.60	74.38	73.52	74.03	75.70	76.16	77.55	76.83	77.41	77.44	76.95
1963												
5	76.94	76.89	76.82	77.22	77.00	78.30	79.02	78.93	.....	78.90	78.69	79.00
10	77.02	74.41	75.52	77.21	77.93	77.60	78.54	78.92	78.99	79.60	78.47	78.21
15	79.67	77.24	77.15	76.86	76.77	77.79	79.13	79.42	78.61	78.92	78.89	78.76
20	76.84	76.85	76.72	77.42	77.22	78.38	79.69	78.66	78.41	78.93	78.80	78.75
25	77.11	77.42	76.91	77.74	77.70	77.71	79.16	79.00	79.17	79.63	77.91	78.00
Eom	77.31	77.40	75.16	77.21	76.67	78.36	79.93	79.12	78.79	78.54	78.31	.....
1964												
5	76.43	78.09	78.44	75.49	77.24	78.00	78.98	80.19	80.00	79.72	.....	79.57
10	78.40	78.47	78.61	77.70	76.81	78.67	79.34	80.11	81.01	80.03	81.34	79.18
15	78.36	78.66	76.78	76.67	79.31	79.34	79.51	80.00	79.29	78.82	79.73	79.76
20	78.01	78.54	78.28	77.26	77.61	79.09	80.35	79.43	79.47	79.23	79.94	79.44
25	78.15	78.45	78.62	77.14	77.01	78.78	79.30	79.90	80.36	79.50	78.71	78.82
Eom	78.50	78.55	77.72	76.93	75.82	79.72	79.82	79.13	79.49	79.50	80.50	78.61
1965												
5	78.79	79.10	79.05	78.42	78.47	79.09	79.25	80.93	79.72	79.42	79.12	78.30
10	79.33	79.84	79.85	78.56	77.41	78.96	79.75	82.96	81.31	79.13	79.23	79.40
15	79.75	79.18	78.93	78.68	77.91	79.13	80.57	80.34	79.48	79.62	78.81	78.57
20	79.36	78.88	79.34	78.06	78.73	78.70	81.67	80.20	79.95	79.22	78.70	78.86
25	78.95	79.03	78.82	77.85	79.89	79.43	79.97	80.52	79.93	79.14	78.80	78.65
Eom	79.41	79.14	78.46	78.69	78.08	80.14	81.34	79.42	80.10	79.05	78.46	78.17
1966												
5	78.43	78.38	78.09	77.05	77.30	77.03	79.36	80.48	80.97	81.39	81.97	81.85
10	77.54	77.48	78.73	78.04	78.17	78.83	79.16	79.52	81.12	82.10	82.84	82.12
15	78.31	78.45	78.01	78.20	76.91	78.80	79.53	80.42	82.27	82.34	81.80	80.95
20	79.51	78.60	78.20	77.28	77.22	79.81	80.47	81.40	81.19	81.84	81.33	82.62
25	77.51	77.80	78.30	77.74	77.84	79.47	79.23	79.73	81.35	82.52	81.16	80.76
Eom	78.40	78.70	78.41	77.79	77.02	79.49	79.11	81.89	82.29	81.92	83.09	80.63

e Estimated.

414217N0875928\_1. Local number 37N-11E-9K1 (previously reported ANL 9). Argonne National Laboratory. Drilled unused artesian well in Niagara Dolomite of Middle Silurian age, diam 4 in, depth 140 ft, cased to 90. Lsd 733 ft above msl, MP top of casing, 0.31 ft above lsd. Highest water level 88.97 below lsd, May 27, 1951; lowest 96.23 below lsd, Dec. 18, 1964. Records available: 1948-66. Affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	93.70	93.74	93.55	92.86	92.76	93.03	93.57	93.87	94.30	94.28	94.53	94.53
10	94.06	93.78	93.41	92.73	92.95	93.14	93.67	93.93	94.22	94.29	94.55	94.64
15	93.89	93.65	93.35	92.73	92.87	93.13	93.72	93.95	94.38	94.41	94.41	94.61
20	94.02	93.69	93.05	92.74	92.77	93.17	93.82	93.94	94.45	94.39	94.59	94.91
25	93.76	93.68	93.15	92.59	92.88	e93.25	93.83	94.08	94.28	94.64	94.83	94.80
Eom	93.95	93.87	92.91	92.59	92.90	93.43	93.84	94.12	94.34	94.41	94.79	94.86
1963												
5	94.75	94.75	94.89	94.89	95.04	94.98	95.59	95.46	95.43	95.63	95.48	95.65
10	94.57	94.75	94.92	94.88	94.81	94.95	95.59	95.38	95.40	95.63	95.56	95.69
15	94.81	95.12	95.01	94.88	.....	95.20	95.50	95.43	95.47	95.73	95.74	95.88
20	94.64	94.89	94.77	94.88	94.86	95.26	.....	95.38	95.43	95.63	95.78	95.82
25	94.81	95.02	94.67	95.10	95.07	95.38	95.53	95.38	95.52	95.61	95.73	95.44
Eom	94.84	95.00	94.88	95.13	95.03	95.41	95.54	95.50	95.46	95.53	95.59	95.90
1964												
5	95.59	95.66	95.85	94.90	94.24	94.55	95.16	95.42	95.58	95.69	95.88	95.96
10	95.71	95.76	95.83	94.74	94.10	94.69	95.14	95.34	.....	95.89	95.72	95.89
15	95.66	95.78	95.71	94.63	94.31	94.93	95.19	95.50	.....	95.70	95.87	95.96
20	95.57	95.79	95.69	94.77	94.43	94.90	95.29	95.35	95.62	95.64	95.74	96.05
25	95.42	95.71	95.77	94.52	94.48	94.99	95.19	95.45	95.68	95.75	95.68	95.46
Eom	95.76	95.80	95.24	94.19	.....	.....	95.42	95.54	95.76	.....	95.92	95.79
1965												
5	95.89	95.64	94.92	94.92	94.29	94.73	95.25	95.50	95.56	95.00	95.06	94.81
10	95.88	95.54	95.17	94.58	94.35	94.88	95.35	95.61	95.49	94.67	94.98	95.14
15	95.91	95.44	95.14	94.27	94.39	94.99	95.38	95.72	95.14	94.76	94.90	94.88
20	95.76	95.20	95.29	.....	94.58	94.93	95.48	95.79	95.08	94.74	94.74	.....
25	95.54	94.99	95.44	94.45	94.58	95.11	.....	95.66	95.01	94.82	94.82	95.00
Eom	95.52	95.10	95.21	94.34	94.65	95.21	95.54	95.54	94.87	95.03	94.80	94.62
1966												
5	94.64	94.59	93.97	93.67	93.57	93.33	93.95	94.54	94.69	94.92	95.10	95.08
10	94.53	94.46	94.29	93.80	93.50	93.69	94.16	94.46	94.90	94.80	95.09	95.14
15	94.44	94.58	94.17	93.97	93.63	93.56	94.42	94.59	94.84	94.98	95.23	95.01
20	94.58	94.59	94.00	93.79	93.35	93.71	94.54	94.70	94.84	94.99	95.14	94.86
25	94.59	94.31	93.94	93.85	93.46	93.90	94.56	94.69	94.77	95.13	95.11	95.10
Eom	94.52	94.23	93.76	93.76	93.49	93.90	94.54	94.75	94.77	94.97	95.10	95.07

e Estimated.

# IOWA

The observation-well program in Iowa was continued from 1962 through 1966 in cooperation with the State Geological Survey. Figure 3 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management's system of land subdivision. Each well number is made up of three segments. The first segment indicates the township, the second the range, and the third the section in which the well is situated. The letter after the section number represents the 40-acre subdivision of the section. Numbers are added as suffixes to distinguish wells in the same tract. Thus, the number 75-3-17E1 designates well 1 in the SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 17, T. 75 N., R. 30 W.

## Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum unless otherwise indicated. Barometric leveling is used in referencing land-surface datum.

### Adair County

411749N0942018.1. Local number 75-30-17E1. F. E. Robert. Drilled unused water-table well in glacial drift, diam 12 in, depth 26 ft, lined with tile. Lsd 1,267 ft above msl. MP top of board platform, 0.51 ft above lsd. Highest water level 0.18 above lsd, Mar. 23, 1943; lowest 8.40 below lsd, July 28, 1953. Records available: 1942-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1962	0.20	May 3, 1963	0.31	Aug. 19, 1964	2.29	Nov. 16, 1965	0.39
June 13	.68	Aug. 27	3.44	Nov. 13	.89	Feb. 22, 1966	1.05
Sept. 25	2.67	Nov. 7	2.59	Mar. 15, 1965	.04	June 2	.32
Nov. 14	1.42	Feb. 19, 1964	1.69	June 7	.32	Aug. 11	2.22
Feb. 20, 1963	.98	June 16	.19	Aug. 16	2.34	Nov. 18	2.33

### Buena Vista County

423426N0951148.1. Local number 90-37-34B1. Ed Zinn. Dug unused water-table well in glacial drift, diam 4 ft, depth 29 ft, lined with rock. Lsd 1,404 ft above msl. MP east side of concrete platform, 2.00 ft above lsd. Highest water level 3.77 below lsd, Oct. 15, 1949; lowest 18.32 below lsd, Aug. 27, 1941. Records available: 1940-66.

Apr. 9, 1962	5.72	May 21, 1963	7.46	Aug. 19, 1964	11.49	Nov. 11, 1965	6.78
July 2	7.02	Aug. 10	9.76	Dec. 2	10.83	Feb. 22, 1966	8.03
Sept. 20	6.53	Dec. 10	10.13	Mar. 16, 1965	9.95	June 8	8.08
Dec. 4	7.90	Mar. 17, 1964	10.10	June 4	7.11	Aug. 11	11.85
Apr. 1, 1963	7.67	May 20	7.60	Aug. 5	12.01	Oct. 17	13.32

### Carroll County

420335N0945215.1. Local number 84-35-25F1. City of Carroll test hole 1. Drilled observation artesian well in Dakota Sandstone of Early Cretaceous age, diam 8 in, depth 120 ft, cased to 106. Lsd 1,242 ft above msl. MP top of casing, 0.49 ft above lsd. Highest water level 34.55 below lsd, Sept. 8, 1945; lowest 72.12 below lsd, Aug. 28, 1956. Records available: 1939-49, 1952-66.

Apr. 9, 1962	46.81	May 20, 1963	50.64	Aug. 19, 1964	64.18	June 8, 1965	66.39
July 2	59.08	Aug. 10	66.59	Dec. 2	53.74	Aug. 2	70.73
Sept. 20	54.81	Dec. 10	52.31	Feb. 23, 1965	53.01	Nov. 12	60.35
Dec. 3	56.41	Mar. 16, 1964	58.84	Mar. 16	56.04	June 3, 1966	66.15
Apr. 1, 1963	48.39	May 19	63.80				

### Cerro Gordo County

430442N0952528.1. Local number 95-22-3B1. Knut Olson. Drilled domestic and stock artesian well in limestone of Devonian age, diam 4 in, depth 134 ft. Lsd 1,260 ft above msl. MP top of casing, 1.40 ft above lsd. Highest water level 14.34 below lsd, July 3, 1945; lowest 24.15 below lsd, Dec. 5, 1966. Records available: 1941-66.

Mar. 21, 1962	23.64	May 27, 1963	21.30	Aug. 25, 1964	22.22	Feb. 9, 1966	22.42
May 21	21.95	Sept. 5	21.47	Nov. 19	21.20	June 9	22.43
Sept. 14	20.10	Nov. 14	22.36	Mar. 23, 1965	24.00	Aug. 16	23.47
Dec. 14	22.47	Feb. 4, 1964	22.55	June 2	22.66	Dec. 5	24.15
Feb. 13, 1963	23.14	May 26	22.72	Oct. 12	22.34		

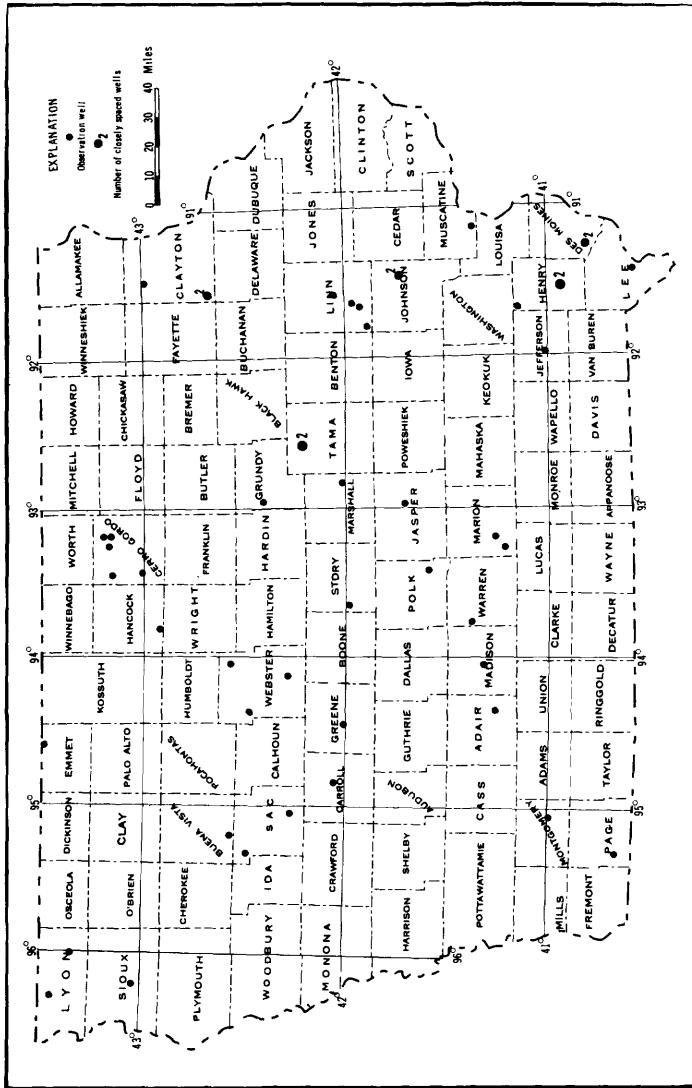


Figure 3.—Location of observation wells in Iowa, 1962-66.

430927N0931142.1. Local number 96-20-3P1. Minneapolis & St. Louis Ry. Co. Drilled unused artesian well in St. Peter Sandstone of Middle Ordovician age, diam 12 to 10 in, depth 805 ft, cased, 12-in 0-30, 10-in 614-730. Lsd 1,120 ft above msl. MP top of wood cover, at lsd. Highest water level 32.71 below lsd, May 7, 1951; lowest 59.45 below lsd, Feb. 28, 1959. Records available: 1941-66.

Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	56.43	57.40	57.61	49.60	49.77	49.57	49.33	47.43	.....	47.74	48.85	49.45
10	56.67	57.32	58.65	48.67	50.09	49.57	48.25	47.96	.....	47.84	49.21	49.86
15	56.36	57.30	58.66	48.34	50.27	50.73	48.31	48.64	46.60	47.98	49.29	50.12
20	56.94	57.48	58.23	48.26	50.54	50.33	48.18	48.85	46.70	48.42	49.21	50.61
25	57.00	58.05	56.35	48.44	49.80	50.18	47.27	49.13	47.53	48.31	49.21	50.56
Eom	57.05	57.65	50.44	48.93	49.36	50.86	47.24	47.82	47.82	48.57	49.33	50.90

1963

5	51.23	.....	52.89	.....	49.99	46.69	.....	.....	49.47	.....	.....	52.16
10	51.59	.....	53.39	.....	48.89	46.51	.....	.....	50.21	.....	.....	51.77
15	51.69	52.84	53.01	.....	43.82	46.20	.....	.....	49.95	.....	53.03	51.48
20	51.59	52.72	.....	.....	43.89	.....	.....	.....	50.27	.....	52.38	.....
25	52.09	53.01	.....	.....	45.28	.....	.....	.....	50.52	.....	52.51	51.60
Eom	.....	53.02	.....	.....	45.82	.....	.....	.....	e50.70	.....	52.35	51.14

1964

5	51.06	56.36	.....	.....	47.25	46.46	.....	49.84	50.14	47.85	e49.40	50.87
10	50.53	57.06	.....	49.07	.....	46.86	.....	49.64	47.56	48.29	.....	50.91
15	55.70	57.13	.....	48.48	.....	46.70	.....	49.86	46.95	48.40	.....	50.86
20	55.95	57.50	.....	48.10	.....	46.93	48.53	50.17	47.20	48.63	50.04	51.33
25	56.04	.....	.....	48.03	e46.25	.....	48.96	50.05	47.22	48.89	49.94	.....
Eom	56.43	.....	.....	47.58	46.14	.....	49.29	49.88	47.59	49.10	50.52	.....

1965

5	.....	52.88	51.40	48.65	.....	43.45	45.93	48.14	49.66	43.88	46.00	47.11
10	.....	52.91	51.66	45.34	.....	43.98	47.03	48.51	49.01	44.15	46.03	47.26
15	52.57	52.88	51.65	.....	.....	44.34	47.03	49.00	48.49	44.62	45.71	46.90
20	52.73	51.95	51.80	.....	.....	44.51	47.11	49.22	46.53	45.06	46.87	46.72
25	52.65	52.98	51.92	.....	.....	45.14	47.49	49.49	45.07	45.18	46.86	47.37
Eom	53.29	51.95	50.20	.....	.....	45.60	47.79	49.44	44.23	45.67	46.93	47.51

1966

5	47.70	.....	48.53	45.24	45.12	45.01	44.21	43.45	45.89	47.87	.....	e49.58
10	47.91	47.85	48.59	45.09	45.15	45.20	43.98	43.86	46.29	47.72	.....	50.22
15	48.05	47.83	48.64	45.15	45.12	44.23	42.47	44.27	46.70	48.23	.....	50.17
20	48.39	48.23	48.78	45.12	45.26	44.25	41.81	44.84	47.20	48.52	.....	50.18
25	48.35	48.38	48.15	45.33	45.14	44.70	42.07	45.00	47.69	48.57	.....	50.50
Eom	.....	48.25	46.50	45.02	45.05	44.24	42.95	45.76	47.78	e48.54	.....	50.60

e Estimated.

430754N0931205.1. Local number 96-20-16J1. Mason City, well 11. Drilled municipal artesian well in Jordan Sandstone of Late Cambrian age, diam 20 to 10 in, depth 1,306 ft, cased, 20-in 0-143, 14-in 713-777, 10-in 777-900. Lsd 1,168 ft above msl. MP hole in well cover, 1.21 ft above lsd. Highest water level 162.23 below lsd, June 25, 1942; lowest 298.79 (non-pumping) below lsd, Feb. 14, 1963. Records available: 1939-43, 1947-66. Water levels affected by pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 21, 1962	266.24	May 28, 1963	278.99	Aug. 25, 1964	282.79	Oct. 12, 1965	279.79
May 21	276.99	Sept. 5	290.04	Nov. 19	270.79	Feb. 9, 1966	270.79
Sept. 14	a329.79	Nov. 14	288.79	Mar. 23, 1965	272.79	June 10	280.79
Dec. 14	288.79	Feb. 4, 1964	289.79	June 2	284.79	Nov. 22	272.59
Feb. 14, 1963	298.79	May 26	282.79				

a Well being pumped.

430802N0931640.1. Local number 96-21-13E1. Mason City and Clear Lake RR. Drilled unused water-table well, diam 5 in, depth 29 ft. Lsd 1,168 ft above msl. MP top of casing, 0.61 ft above lsd (MP 2.00 ft after Jan. 1, 1963). Highest water level 1.73 below lsd, June 28, 1951; lowest 17.26 below lsd, Nov. 18, 1955. Records available: 1940-66.

Mar. 21, 1962	9.85	May 27, 1963	3.90	Aug. 25, 1964	7.40	Feb. 9, 1966	4.45
May 21	6.55	Sept. 4	5.40	Nov. 19	7.02	June 10	3.66
Sept. 13	4.96	Nov. 14	6.38	Mar. 23, 1965	7.55	Aug. 16	4.96
Dec. 13	6.71	Feb. 4, 1964	7.10	June 1	4.28	Dec. 5	6.50
Feb. 13, 1963	6.30	May 26	5.94	Oct. 12	3.86		

430655N0932815.1. Local number 96-22-20L1. Boy Scouts of America. Drilled unused water-table well in glacial drift, diam 5 in, depth 126 ft. Lsd 1,249 ft above msl. MP hole in side of casing, 1.30 ft above lsd. Highest water level 29.65 below lsd, Mar. 25, 1942; lowest 42.59 below lsd, Aug. 16, 1966. Records available: 1940-66.

Mar. 21, 1962	37.29	May 27, 1963	35.97	Aug. 25, 1964	39.55	Feb. 9, 1966	36.10
May 21	37.56	Sept. 5	36.82	Nov. 19	36.88	June 9	39.15
Sept. 13	37.60	Nov. 14	36.38	Mar. 23, 1965	36.77	Aug. 16	42.59
Dec. 14	35.57	Feb. 4, 1964	35.77	June 2	38.45	Dec. 5	39.53
Feb. 13, 1963	36.00	May 26	38.65	Oct. 12	36.67		

## Clayton County

424057N0913200.1. Local number 91-6-22G2. Strawberry Point, well No. 2. Drilled unused artesian well in dolomite of Silurian age. Diam 16 to 10 in, depth 492 ft, cased, 16-in 0-130, 12-in 130-161, lined, 10-in 229-370 ft. Lsd 1,219 ft above msl. MP top of recorder platform, 2.10 ft above lsd. Highest water level 122.49 below lsd, Apr. 9, 1963; lowest 132.76 below lsd, Sept. 3, 1965. Records available: 1963-66.

424057N0913200.1--Continued.

Water level at noon, from recorder graph, 1963

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	124.13	125.20	126.41	127.11	.....	.....	.....
10	.....	.....	.....	122.71	.....	.....	125.51	.....	.....	.....	127.89	.....
15	.....	.....	.....	.....	123.72	.....	125.56	.....	.....	.....	.....	.....
20	.....	.....	132.92	123.15	123.55	124.80	125.92	.....	.....	.....	.....	.....
25	.....	.....	.....	.....	123.95	125.04	126.12	126.88	127.36	127.60	.....	.....
Eom	.....	.....	.....	123.55	124.28	125.23	126.18	127.26	.....	.....	.....	.....
1964												
5	.....	128.53	.....	.....	128.57	128.65	129.49	e130.45	.....	.....	131.38	131.81
10	129.23	.....	.....	129.03	.....	129.15	129.65	129.93	.....	.....	130.99	131.25
15	.....	.....	.....	e128.75	128.75	129.41	129.71	130.38	.....	.....	131.34	131.08
20	.....	.....	.....	128.68	128.92	129.88	129.80	130.95	.....	.....	130.90	131.60
25	.....	.....	.....	128.65	129.02	129.99	130.14	e130.78	.....	131.18	131.07	131.15
Eom	.....	.....	.....	128.67	128.70	.....	130.07	.....	.....	131.29	131.72	131.66
1965												
5	e131.54	131.44	131.61	130.95	.....	.....	132.16	132.27	.....	129.59	.....	.....
10	131.41	131.83	131.82	130.42	.....	.....	132.17	131.90	.....	129.50	.....	.....
15	131.50	e131.70	131.74	130.39	.....	.....	131.60	131.93	131.99	130.47	.....	.....
20	131.67	.....	131.85	e130.61	.....	.....	131.93	132.32	131.22	130.06	.....	.....
25	131.33	e131.70	131.87	.....	.....	.....	131.84	132.05	.....	130.05	.....	.....
Eom	131.19	131.62	131.94	.....	.....	.....	132.00	132.35	.....	129.98	.....	.....
1966												
5	.....	.....	128.29	.....	126.76	127.55	127.62	126.37	127.22	127.82	128.35	.....
10	.....	128.25	.....	.....	127.36	.....	127.81	126.29	127.37	127.45	128.45	.....
15	128.22	128.26	.....	.....	126.72	.....	127.45	.....	127.37	127.66	128.57	.....
20	128.73	128.74	.....	.....	127.20	127.24	126.85	127.24	127.50	127.93	.....	128.60
25	128.73	128.26	.....	.....	127.60	127.42	126.66	127.40	.....	128.33	.....	128.70
Eom	128.50	128.05	.....	.....	127.82	127.56	126.31	127.58	127.40	127.85	.....	128.40

e Estimated.

424101N0913200.1. Local number 91-6-22G3. Howard Bowman. Dug unused water-table well in glacial drift, diam 36 in, depth 18 ft, cribbed with brick. Lsd 1,221 ft above msl. MP top of board platform, at lsd (0.08 after Jan. 1, 1962). Highest water level 3.54 below lsd, May 6, 1960; lowest 10.03 below lsd, Jan. 24, 1965. Records available: 1957-66.

Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.45	.....	.....	6.52	6.55	5.92	6.48	7.20	8.15	6.34	8.31	.....
10	e8.45	e8.75	.....	6.49	5.78	6.58	7.29	7.68	7.46	6.78	8.50	.....
15	.....	8.76	.....	6.50	5.25	7.14	5.56	8.03	7.58	e7.05	8.63	9.13
20	.....	8.74	e7.10	6.72	6.06	7.51	4.81	8.32	8.05	7.33	.....	9.21
25	.....	8.97	7.10	6.64	6.62	7.55	6.15	7.54	8.30	7.73	.....	9.30
Eom	.....	9.05	6.64	6.09	6.18	7.94	6.53	7.92	8.47	8.09	.....	9.40
1963												
5	9.45	.....	.....	8.10	7.00	8.19	8.69	7.90	8.31	8.88	9.32	9.01
10	9.42	.....	.....	8.19	6.49	8.31	8.80	8.12	8.58	9.01	.....	9.17
15	.....	9.68	.....	8.35	6.43	7.28	8.78	e8.45	8.28	9.13	9.49	e9.35
20	.....	9.63	7.62	e8.01	7.04	7.80	6.87	8.71	7.92	9.05	9.48	.....
25	.....	9.77	7.89	7.85	e7.50	8.19	7.78	8.57	8.27	9.12	8.48	.....
Eom	.....	.....	7.99	6.80	7.97	e8.48	8.05	8.30	8.60	9.24	8.80	.....
1964												
5	.....	.....	.....	.....	6.69	7.56	8.20	.....	8.23	8.94	9.23	9.73
10	9.63	.....	.....	7.10	e6.25	7.93	8.49	.....	7.78	9.09	9.35	9.56
15	9.71	.....	.....	7.39	6.48	8.11	8.17	.....	8.34	9.18	9.20	9.43
20	9.78	.....	.....	7.50	6.98	8.07	8.57	.....	8.39	9.28	9.30	9.60
25	9.64	.....	.....	7.35	6.03	6.84	8.84	8.71	8.52	9.34	9.49	9.68
Eom	9.70	.....	.....	6.57	7.10	7.75	e9.12	8.75	8.76	9.44	9.63	9.75
1965												
5	9.57	.....	9.41	8.70	7.20	6.97	8.00	9.20	6.03	.....	7.84	7.92
10	9.65	.....	8.75	7.41	7.58	7.50	7.51	9.02	e7.20	.....	8.11	e7.35
15	9.71	.....	8.97	7.60	7.82	7.98	8.16	9.25	.....	7.76	7.38	.....
20	9.83	.....	9.21	7.22	7.80	8.17	8.58	9.17	.....	7.86	7.84	.....
25	.....	.....	9.52	5.79	6.12	8.22	8.87	8.60	.....	6.63	7.13	.....
Eom	.....	9.77	9.23	6.51	.....	7.47	9.10	7.80	.....	7.41	7.47	.....
1966												
5	.....	.....	8.60	.....	.....	.....	7.71	8.32	8.70	9.40	9.50	9.68
10	.....	.....	8.69	.....	.....	.....	5.45	8.57	8.95	9.48	9.43	9.49
15	.....	.....	.....	.....	.....	.....	5.40	8.77	9.08	9.09	9.52	9.61
20	.....	.....	.....	.....	.....	6.67	6.75	8.94	e9.23	9.10	9.60	9.81
25	.....	8.33	.....	.....	.....	7.35	7.48	7.85	9.26	9.24	9.64	.....
Eom	.....	8.44	.....	.....	.....	7.05	8.00	8.48	9.29	9.39	9.69	.....

e Estimated.

425940N0911947.1. Local number 95-4-32R1. Milton and Willis Meier. Drilled stock artesian well in St. Peter Sandstone of Middle Ordovician age, diam 6 in, reported depth 380 ft, cased with iron. Lsd 1,090 ft above msl. MP plug in pumpbase, 1.00 ft above lsd. Highest water level 96.32 below lsd, Dec. 13, 1962; lowest 125.12 below lsd, July 16, 1959. Records available: 1957-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 20, 1962	105.08	May 28, 1963	97.63	Aug. 24, 1964	107.24	Oct. 11, 1965	116.70
July 20	98.78	Sept. 4	99.50	Nov. 18	109.28	Feb. 8, 1966	117.41
Sept. 13	97.37	Nov. 13	101.77	Mar. 22, 1965	112.28	May 6	118.04
Dec. 13	96.32	Feb. 3, 1964	102.80	June 1	112.80	Oct. 14	116.96
Feb. 13, 1963	(a)	May 25	105.20				

a Well being pumped.

## Des Moines County

404844N0911427.1. Local number 69-3-6A1. Iowa Ordnance Plant well 3. Drilled unused artesian well in St. Peter Sandstone of Middle Ordovician age, diam 16 in, depth 1,209 ft, cased 0-855 ft. Lsd 717 ft above msl. MP top of recorder platform, 1.61 ft above lsd. Highest water level 162.70 below lsd, Mar. 27, 1950; lowest 184.88 below lsd, Mar. 30, 1964. Records available: 1950-66.

Water level at noon, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	180.64	.....	.....	.....	.....	181.03	181.20	.....	182.37	182.35	181.71
10	.....	.....	.....	.....	.....	180.89	181.12	181.39	181.87	e182.43	182.15	181.75
15	.....	.....	.....	.....	180.82	180.97	181.11	.....	182.12	182.40	181.85	181.52
20	.....	.....	.....	.....	.....	180.95	181.20	.....	182.52	182.50	181.52	181.93
25	.....	.....	.....	.....	.....	181.05	181.17	.....	182.35	182.95	182.24	181.76
Eom	180.50	.....	.....	.....	.....	181.18	181.40	.....	e182.33	182.45	182.03	181.86
1963												
5	181.86	.....	181.96	181.83	182.12	182.15	.....	182.64	182.70	182.97	182.97	183.70
10	181.74	182.45	182.17	181.83	181.90	182.01	182.46	182.52	182.66	182.87	183.41	183.78
15	182.50	181.86	182.03	181.83	181.97	182.35	182.25	182.72	182.85	183.02	183.63	184.06
20	182.13	.....	181.69	181.71	182.13	182.43	182.43	182.66	182.72	182.96	183.50	184.07
25	.....	182.45	181.55	182.07	182.21	182.59	182.50	182.56	.....	182.90	183.70	183.62
Eom	.....	182.48	181.68	181.97	182.27	182.51	182.44	182.77	.....	182.74	183.64	184.16
1964												
5	183.70	183.38	183.49	.....	.....	184.21	.....	183.94	183.64	184.08	183.83	183.71
10	183.93	183.67	183.29	.....	.....	184.30	.....	183.65	.....	184.14	183.35	184.20
15	183.77	183.41	183.10	.....	.....	.....	183.89	183.79	.....	183.87	183.56	184.27
20	183.53	183.68	182.67	.....	.....	.....	184.03	183.60	.....	183.82	182.98	184.30
25	183.33	183.50	182.60	.....	.....	.....	183.90	183.77	183.78	183.76	183.19	.....
Eom	183.62	183.60	184.63	.....	184.22	.....	183.89	183.71	184.04	183.76	183.90	.....
1965												
5	.....	182.85	182.19	182.11	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	182.72	182.53	181.85	.....	.....	.....	.....	183.07	.....	.....	181.70
15	.....	182.84	182.39	181.69	181.65	.....	.....	.....	.....	.....	.....	181.48
20	.....	182.42	182.62	181.88	181.77	181.63	.....	.....	.....	.....	.....	181.31
25	182.78	182.55	182.39	.....	e181.60	.....	.....	.....	.....	.....	.....	181.24
Eom	182.90	182.27	182.44	.....	181.60	.....	.....	.....	.....	.....	.....	181.10
1966												
5	181.37	.....	.....	.....	.....	.....	.....	180.71	.....	181.37	181.20	181.04
10	181.35	.....	.....	.....	.....	.....	.....	180.70	.....	181.22	180.94	181.24
15	181.08	.....	.....	.....	.....	.....	.....	180.62	.....	180.89	181.15	181.09
20	.....	.....	.....	.....	.....	.....	.....	180.67	.....	181.20	181.24	180.90
25	.....	.....	.....	.....	.....	.....	.....	180.83	.....	181.35	181.04	181.18
Eom	.....	.....	.....	.....	.....	.....	180.87	180.95	181.02	180.85	181.17	180.84

e Estimated.

404753N0911425.1. Local number 69-3-6R1. Iowa Ordnance Plant well 2. Drilled unused artesian well in limestone of Devonian and Mississippian age, diam 19 in, depth 675 ft, cased 0-75 ft. Lsd 699 ft above msl. MP top of recorder platform, 1.91 ft above lsd. Highest water level 74.65 below lsd, Oct. 31, 1960; lowest 83.19 below lsd, Apr. 26, 1950. Records available: 1950-66.

Water level at noon, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	75.58	.....	.....	.....	75.20	75.33	75.67	76.28	76.30	75.61	.....
10	.....	.....	.....	.....	.....	75.20	75.45	75.83	76.11	76.30	75.66	.....
15	.....	.....	.....	.....	e75.28	75.27	75.40	75.92	76.17	76.36	75.55	.....
20	.....	.....	.....	.....	75.23	75.25	75.57	75.80	76.45	76.38	75.57	.....
25	.....	.....	.....	.....	75.11	75.30	75.55	76.05	76.34	76.68	e76.93	.....
Eom	75.68	.....	.....	74.95	75.15	75.43	75.77	75.95	76.36	76.55	.....	77.05
1963												
5	.....	.....	76.72	77.15	77.46	77.48	78.30	78.12	78.50	78.79	78.73	.....
10	.....	76.72	76.89	77.03	77.24	77.40	77.99	78.19	78.50	78.78	78.77	.....
15	.....	77.07	77.08	77.24	77.49	77.67	77.85	78.34	78.65	78.90	78.98	.....
20	.....	76.67	76.74	77.08	77.47	77.64	77.93	78.33	78.56	78.78	78.92	.....
25	.....	76.85	76.84	77.42	77.63	77.95	78.13	78.38	78.73	78.76	78.90	.....
Eom	.....	76.82	77.00	77.28	77.61	77.80	78.14	78.50	78.65	78.75	.....	.....
1964												
5	78.65	78.96	78.30	76.32	76.18	76.84	77.49	78.19	78.63	79.09	.....	.....
10	78.82	.....	78.59	76.33	76.35	76.85	77.54	78.12	78.70	79.19	.....	79.31
15	78.97	.....	78.66	76.33	76.53	76.89	77.63	78.34	78.91	.....	.....	79.43
20	78.55	.....	78.58	76.18	76.69	76.96	77.84	78.25	78.84	.....	.....	79.43
25	78.59	.....	78.64	76.28	76.70	77.31	77.85	78.44	78.89	.....	.....	78.90
Eom	78.92	78.70	.....	76.08	76.75	77.40	78.06	78.53	79.00	.....	.....	e79.50
1965												
5	.....	79.30	78.89	79.11	78.89	78.83	78.84	79.01	79.17	79.26	79.30	78.83
10	.....	79.00	79.20	78.95	78.87	78.82	78.88	79.13	79.11	78.97	79.15	78.98
15	.....	79.23	79.15	78.87	78.83	78.81	78.96	79.15	78.95	79.00	78.95	78.82
20	.....	79.14	79.37	79.00	78.96	78.92	78.94	79.20	79.08	79.05	78.96	78.82
25	78.94	79.18	79.30	78.85	78.86	78.95	78.98	79.10	79.10	79.12	78.95	78.82
Eom	79.21	78.99	79.42	79.04	78.86	78.94	78.97	79.08	78.89	79.14	79.07	78.82
1966												
5	78.89	79.13	78.80	.....	.....	.....	.....	78.20	78.09	.....	78.65	78.46
10	79.09	78.73	78.94	.....	.....	.....	78.22	78.15	.....	78.50	78.29	78.40
15	78.97	79.01	78.82	.....	.....	.....	78.40	78.09	.....	78.23	78.73	78.55
20	79.27	79.30	78.75	.....	.....	.....	e78.39	78.15	.....	78.56	78.82	78.55
25	79.20	78.85	78.77	.....	.....	.....	78.37	78.30	.....	78.65	.....	78.55
Eom	79.10	78.80	.....	.....	.....	.....	78.27	78.19	.....	78.55	78.36	78.55

e Estimated.

Emmet County

432927N0943455.1. Local number 100-32-11R1. Okamanpedan Lake Reserve State Park. Drilled public-supply artesian well in Dakota Sandstone of Early Cretaceous age, diam 6 in, depth 277 ft. Lsd 1,233 ft above msl. MP plug in pumpbase, 0.61 ft above lsd. Highest water level 59.60 below lsd, Dec. 19, 1946; lowest 69.68 below lsd, Oct. 26, 1966. Records available: 1939-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 11, 1962	66.62	May 22, 1963	66.74	Aug. 3, 1964	69.39	Nov. 9, 1965	69.39
July 11	66.45	Sept. 5	66.81	Dec. 3	69.12	June 9, 1966	69.05
Sept. 19	66.76	Dec. 11	66.91	Mar. 24, 1965	68.91	Aug. 2	69.46
Dec. 5	66.44	Mar. 18, 1964	66.87	June 3	68.68	Oct. 26	69.68
Apr. 3, 1963	66.30	May 21	69.01	Sept. 13	69.34		

Greene County

420051N0942233.1. Local number 83-30-8M1. City of Jefferson. Drilled public-emergency-supply artesian well in Jordan Sandstone of Late Cambrian age, diam 12 to 6 in, depth 2,307 ft, cased 0-1,796. Lsd 1,065 ft above msl. MP edge of vent pipe, 1.00 ft above lsd. Highest water level 75.44 below lsd, May 20, 1963; lowest 80.96 below lsd, Feb. 22, 1966. Records available: 1960-66.

Apr. 9, 1962	77.65	May 20, 1963	75.44	Aug. 19, 1964	77.53	Nov. 12, 1965	78.55
July 2	76.56	Aug. 10	75.68	Dec. 1	77.96	Feb. 22, 1966	80.96
Sept. 21	76.47	Dec. 10	76.61	Mar. 16, 1965	78.25	June 3	78.40
Dec. 3	75.57	Mar. 16, 1964	76.90	June 8	78.54	Aug. 11	79.65
Apr. 1, 1963	75.56	May 19	76.93	Aug. 2	78.76	Oct. 17	80.23

Grundy County

422605N0925600.1. Local number 98-18-15K1. Town of Wellsburg. Drilled public-emergency-supply artesian well in English River Siltstone [of Stainbrook (1950)] of Early Mississippian age, diam 12 in, depth 280 ft, cased to 128. Lsd 1,060 ft above msl. MP edge of vent pipe, 1.25 ft above lsd. Highest water level 41.38 below lsd, Sept. 30, 1966; lowest 96.61 below lsd, Sept. 27, 1960. Records available: 1960-66.

Apr. 20, 1962	56.18	Dec. 12, 1963	46.82	Mar. 25, 1965	48.21	Feb. 10, 1966	41.97
July 10	54.38	Feb. 5, 1964	45.84	June 4	45.97	May 12	41.91
Sept. 14	53.08	May 13	44.37	Sept. 12	44.15	July 23	41.71
May 23, 1963	49.04	Aug. 3	49.10	Nov. 8	43.28	Sept. 30	41.38
Aug. 17	48.11	Nov. 20	45.03				

Hancock County

425447N0934721.1. Local number 94-25-34M1. Clarion-Webster Experimental Farm. Bored unused water-table well in glacial drift, diam 3 in, depth 17.77 ft, cased with downspout all the way. Lsd 1,197 ft above msl. MP top of casing, 0.60 ft above lsd (0.45 ft after Jan. 1, 1965; 0.3 ft after Aug. 16, 1968). Highest water level 3.13 below lsd, June 3, 1965; lowest 10.99 below lsd, Dec. 1, 1960. Records available: 1960-66.

Mar. 22, 1962	6.74	Sept. 5, 1963	6.60	Aug. 25, 1964	6.79	Feb. 9, 1966	5.00
Sept. 19	4.17	Nov. 14	8.88	Dec. 4	6.57	June 9	4.49
Dec. 14	5.25	Feb. 4, 1964	9.09	June 3, 1965	3.13	Aug. 16	7.78
Feb. 14, 1963	6.44	May 26	4.34	Oct. 12	4.09	Oct. 24	10.07
May 27	4.32						

Henty County

405810N0913304.1. Local number 71-6-9B1. City of Mount Pleasant well 2. Drilled municipal artesian well in Jordan Sandstone of Late Cambrian age, diam 10 to 6 in, depth 1,820 ft, cased, 10-in 0-500, 8-in 500-567, 6-in 567-678. Lsd 732 ft above msl. MP hole in well cover, 1.22 ft above lsd. Highest water level 132.40 below lsd, Sept. 5, 1945; lowest 177.58 below lsd, May 10, 1963. Records available: 1945-63. Well plugged; measurement discontinued Aug. 20, 1963. Apr. 27, 1962, 173.88; June 7, 174.34; Aug. 28, 173.59; Nov. 7, 176.83; Feb. 7, 1963, 175.58; May 10, 177.58; July 9, 177.42. Water levels affected by pumping.

405810N0913305.2. Local number 71-6-9B2 (replaces 71-6-B1). City of Mount Pleasant well 4. Drilled municipal artesian well in Jordan Sandstone of Late Cambrian age, diam 20 to 19 in, depth 1,860 ft, cased 20-in 0-623. Lsd 732 ft above msl. MP hole in pumpbase, 2.25 ft above lsd. Highest water level 168.75 below lsd, May 13, 1965; lowest 170.50 below lsd, Feb. 18, 1964. Records available: 1945-66. Water levels affected by pumping.

Dec. 17, 1962	a188.55	Aug. 20, 1963	a227.25	Sept. 17, 1964	a222.95	Sept. 1, 1965	a227.55
Feb. 7, 1963	a236.10	Nov. 18	169.90	Dec. 8	a222.65	May 17, 1966	169.52
May 10	a229.15	Feb. 18, 1964	170.50	Mar. 31, 1965	169.75	July 28	a228.75
July 9	a226.95	May 27	169.50	May 13	168.75	Nov. 30	a226.95

a Well being pumped.

410848N0913948.1. Local number 73-7-9A1. Formerly 73-7-4Q1. Town of Wayland. Dug unused water-table well in glacial drift, diam 4 ft, depth 52 ft. Lsd 745 ft above msl. MP top of cement cover, 0.21 ft above lsd. Highest water level 2.30 below lsd, Sept. 1, 1965; lowest 14.37 below lsd, Nov. 18, 1963. Records available: 1960-66.

Apr. 27, 1962	5.50	July 9, 1963	9.58	July 13, 1964	6.61	Sept. 1, 1965	2.30
June 19	6.02	Aug. 20	9.62	Sept. 17	10.58	Dec. 2	6.70
Aug. 28	9.32	Nov. 18	14.37	Dec. 8	11.97	May 18, 1966	2.79
Nov. 8	9.35	Feb. 18, 1964	14.23	Mar. 31, 1965	5.22	July 28	6.86
Feb. 7, 1963	10.60	May 27	7.77	May 13	4.63	Nov. 30	10.39
May 10	5.72						

Jasper County

414205N0925920.1. Local number 80-18-31C1. P. W. Beukema. Dug stock water-table well in glacial drift, diam 3 ft, depth 37 ft, cribbed with brick. Lsd 937 ft above msl. MP top of cement platform, 1.00 ft above lsd. Highest water level 2.67 below lsd, June 10, 1947; lowest 27.15 below lsd, Dec. 18, 1948. Records available: 1940-66.



414205N0925920.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 9, 1962	4.55	May 3, 1963	15.19	Nov. 13, 1964	19.99	Feb. 21, 1966	13.74
June 14	4.11	Aug. 27	14.22	Mar. 17, 1965	22.97	June 2	6.50
Oct. 11	12.25	Nov. 15	20.43	June 9	11.17	Aug. 12	10.75
Nov. 14	13.94	June 18, 1964	16.56	Sept. 1	14.28	Nov. 18	21.42
Feb. 22, 1963	18.12	Aug. 20	15.85	Nov. 12	13.16		

Jefferson County

410101N0915720.1. Local number 72-10-24Q1. Formerly 72-10-25A1. City of Fairfield well no. 3. Drilled unused artesian well in glacial sand and gravel, diam 6 in, depth 191 ft, cased. Led 738 ft above msl. MP base of recorder shelter, 1.55 ft above lsd. Highest water level 31.97 below lsd, Apr. 26, 1964; lowest 87.13 below lsd, Feb. 15, 1958. Records available: 1958-66. Water levels affected by nearby pumping wells.

## Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	36.40	.....	35.96	35.82	35.48	35.32	35.18	.....	.....	.....	.....
10	.....	36.42	36.03	35.92	35.67	35.52	e35.30	35.30	.....	.....	.....	.....
15	.....	36.35	36.05	35.96	35.69	35.51	35.25	35.25	.....	.....	.....	.....
20	.....	e36.30	36.02	35.93	35.73	35.52	35.21	e35.28	.....	.....	.....	34.36
25	.....	36.30	36.05	35.87	35.70	35.52	35.22	.....	.....	.....	.....	34.29
Eom	36.44	.....	36.00	35.76	35.54	35.55	35.30	.....	.....	.....	.....	34.29

1963

5	34.24	34.00	e33.55	33.62	33.40	33.32	33.27	33.20	.....	.....	.....	32.91
10	34.08	33.88	33.73	33.55	33.35	.....	33.27	33.14	.....	.....	.....	32.85
15	34.21	34.00	33.74	33.57	33.30	.....	33.16	33.18	.....	.....	.....	32.91
20	e34.07	33.82	33.56	33.40	33.33	33.36	33.14	33.12	.....	.....	.....	32.92
25	34.08	33.86	33.58	33.47	33.37	33.46	33.22	33.19	.....	.....	32.96	32.80
Eom	34.03	33.83	33.56	33.38	33.35	33.41	33.18	.....	.....	.....	32.92	32.76

1964

5	32.79	32.72	32.53	32.46	.....	32.60	.....	.....	.....	.....	.....	.....
10	32.81	32.70	32.53	32.55	.....	32.63	.....	.....	.....	.....	.....	e56.75
15	32.80	.....	32.57	32.54	.....	32.41	32.37	.....	.....	.....	.....	.....
20	32.65	32.63	32.54	32.33	.....	.....	32.43	.....	35.37	.....	.....	.....
25	32.67	32.62	32.54	32.37	.....	.....	32.38	.....	35.07	.....	.....	.....
Eom	32.76	32.62	32.63	32.34	32.60	.....	.....	.....	.....	.....	.....	.....

1965

5	.....	.....	.....	44.49	42.24	40.80	40.11	.....	37.88	.....	.....	35.97
10	.....	.....	.....	44.08	42.23	40.76	40.10	.....	37.65	.....	.....	35.92
15	.....	.....	.....	43.63	42.00	40.62	e40.08	.....	37.55	.....	.....	35.72
20	.....	.....	.....	43.46	41.85	.....	.....	.....	.....	.....	.....	35.61
25	.....	.....	.....	42.90	41.55	.....	.....	.....	.....	.....	.....	35.45
Eom	.....	.....	.....	42.78	41.11	.....	.....	.....	.....	.....	.....	35.33

1966

5	35.19	.....	.....	.....	.....	32.80	33.49	33.46	.....	.....	33.14	33.01
10	35.30	.....	.....	.....	.....	33.38	33.48	33.27	.....	.....	33.34	32.97
15	.....	.....	.....	.....	33.64	.....	33.49	33.40	.....	33.02	33.15	32.92
20	.....	.....	.....	.....	33.65	33.49	33.50	33.40	.....	33.12	33.12	32.85
25	.....	.....	.....	.....	33.71	33.53	e33.51	33.43	.....	33.16	33.01	32.90
Eom	.....	.....	.....	.....	33.56	33.51	33.41	33.66	.....	33.13	33.01	32.74

e Estimated.

Johnson County

414315N0912520.1. Local number 80-5-22M1. Chicago, Rock Island & Pacific RR. Co. Dug unused water-table well in glacial drift, diam 4 ft, depth 20 ft, cribbed with brick. Led 753 ft above msl. MP base of recorder shelter, 0.30 ft above lsd. Highest water level 5.88 below lsd, May 22, 1953; lowest dry, Dec. 2-31, 1955, Nov. 8-Dec. 31, 1964. Records available: 1941-56, 1958-66. Recorder destroyed Oct. 1965; quarterly measurements resumed. Jan. 19, 1966, 9.68; Feb. 24, 10.88; Apr. 28, 6.00; May 16, 5.91; July 26, 11.08; Sept. 28, 17.56; Nov. 16, 17.84.

## Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	10.72	9.20	10.39	6.33	10.32	.....	.....	8.82	11.34	.....	.....	13.67
10	e10.77	9.85	10.57	e5.90	10.72	.....	.....	9.96	11.60	.....	12.69	14.07
15	.....	9.26	7.50	7.31	.....	7.33	e5.94	10.62	.....	11.68	13.19	e14.57
20	.....	9.71	6.01	8.66	7.77	e9.70	6.72	11.11	.....	11.84	13.27	.....
25	11.06	10.14	.....	9.44	9.61	.....	.....	10.96	.....	11.33	13.35	.....
Eom	10.85	10.29	.....	9.90	.....	.....	6.55	10.73	.....	11.65	13.47	15.61

1963

5	15.81	16.30	.....	12.12	10.65	13.68	16.58	10.00	14.98	16.72	17.61	17.24
10	15.90	16.44	.....	12.78	11.38	14.12	16.64	10.90	15.32	16.93	17.68	17.30
15	16.06	16.36	14.40	13.02	11.79	14.72	15.72	11.82	15.62	17.20	17.77	17.41
20	16.14	.....	13.36	13.14	12.17	15.19	8.06	12.72	15.85	17.40	17.89	17.41
25	16.14	.....	12.21	11.95	12.72	15.75	8.00	13.62	16.17	17.48	17.52	17.60
Eom	16.51	.....	11.60	11.25	13.34	16.17	9.09	14.47	16.52	17.59	17.30	17.85

414315N0912520.1--Continued.

Water level at noon, from recorder graph, 1964												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	17.88	18.27	18.15	14.44	10.14	14.64	.....	17.20	18.25	18.39	19.10	(f)
10	17.99	18.35	17.45	12.34	10.59	15.27	e13.44	17.47	18.33	18.50	(f)	(f)
15	18.07	18.35	16.67	12.69	e11.32	14.92	14.40	17.75	18.36	18.65	(f)	(f)
20	18.12	18.35	16.11	13.36	12.15	11.43	15.36	17.93	18.54	18.78	(f)	(f)
25	18.09	18.30	15.79	11.90	13.13	6.61	16.09	18.06	18.50	18.93	(f)	(f)
Eom	18.21	18.32	15.58	11.34	13.92	9.32	16.77	18.19	18.41	19.02	(f)	(f)
1965												
5	18.46	.....	17.14	14.35	6.79	.....	13.75	16.79	17.25	8.35	.....	.....
10	18.45	16.63	16.19	11.04	7.78	e6.72	14.25	17.09	14.20	10.05	.....	.....
15	18.40	16.94	15.95	9.68	8.66	9.10	14.34	17.20	13.50	10.85	.....	.....
20	18.38	17.11	15.20	8.82	8.53	10.65	14.98	17.42	11.80	10.95	.....	.....
25	16.05	17.34	15.07	e8.25	.....	12.00	15.61	17.53	.....	11.45	.....	.....
Eom	16.82	17.30	14.67	.....	.....	13.05	16.25	17.59	5.99	.....	.....	.....
e Estimated												
f Dry.												

e Estimated

f Dry.

414315N0912520.2. Local number 80-5-22M2. Chicago, Rock Island & Pacific RR. Co. Drilled unused artesian well, diam 5 in, depth 82 ft. Lsd 753 ft above msl. MP base of recorder shelter, 0.30 ft above lsd. Highest water level 8.15 below lsd, Apr. 21, 1952; lowest 21.05 below lsd, Sept. 26, 1957. Records available: 1941-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1962	14.50	Apr. 16, 1963	15.64	May 18, 1964	11.79	June 10, 1965	15.59
Feb. 12	14.13	May 24	15.60	July 10	17.06	28	17.00
Apr. 17	13.24	June 19	16.38	Aug. 4	18.18	July 29	17.97
May 3	14.96	July 15	16.60	28	18.90	Aug. 30	18.47
29	11.99	18	16.72	Sept. 28	19.11	Sept. 10	17.53
July 23	12.13	Aug. 29	16.53	Oct. 2	19.15	28	15.09
30	12.28	Sept. 25	17.12	9	19.33	Oct. 28	16.19
Aug. 8	12.75	Oct. 8	17.39	28	19.40	Jan. 19, 1966	15.05
Sept. 12	14.29	29	17.70	Dec. 28	19.31	Feb. 24	15.29
Oct. 9	14.49	Nov. 27	17.38	Feb. 9, 1965	18.25	Apr. 28	13.65
31	14.75	Dec. 30	17.95	Mar. 11	18.07	May 16	11.70
Dec. 27	15.83	Jan. 16, 1964	17.89	30	18.01	July 26	15.00
Jan. 7, 1963	15.78	Feb. 27	17.90	May 5	15.59	Sept. 28	17.26
Mar. 12	15.49	Mar. 30	17.21				

Lee County

403609N0912408.1. Local number 67-5-14L1. U.S. Geol. Survey. Driven observation water-table well in alluvial sand, diam 1½ in, depth 13 ft, screened 11-13. Lsd 529 ft above msl. MP top of pipe, 1.50 ft above lsd (0.60 ft below lsd since Mar. 31, 1965; 2.4 ft above lsd since Jan. 6, 1966). Highest water level 5.57 below lsd, June 9, 1960; lowest 10.63 below lsd, Sept. 21, 1964. Records available: 1950-66.

Jan. 30, 1962	8.12	May 10, 1963	9.02	Dec. 8, 1964	9.85	Jan. 6, 1966	8.09
Apr. 26	6.79	Aug. 20	10.05	Mar. 31, 1965	8.38	May 17	7.63
June 7	6.83	Nov. 19	10.47	May 13	6.61	June 22	7.78
Aug. 29	8.92	Feb. 28, 1964	10.39	Sept. 1	8.66	July 28	8.78
Nov. 8	9.05	May 27	9.32	Dec. 2	8.39	Nov. 29	9.17
Feb. 7, 1963	8.95	Sept. 21	10.63				

Linn County

415422N0914226.1. Local number 82-7-18P2. Joseph Cerveny, Sr. Dug unused water-table well in glacial drift, diam 4 ft, depth 14.05 ft, cribbed with brick. Lsd 820 ft above msl. MP base of recorder shelter, 0.06 ft above lsd. Highest water level 1.26 below lsd, Jan. 12, 1960; lowest 11.18 below lsd, Mar. 7, 1964. Records available: 1959-66.

Water level at noon, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.28	4.75	e6.03	....	5.27	4.16	5.96	5.32	....	7.08	8.14	8.84
10	5.37	5.26	6.15	....	5.35	4.75	6.18	5.69	6.80	7.51	8.31	8.95
15	5.47	5.20	4.86	....	4.80	4.98	3.75	6.12	7.16	7.81	8.43	9.05
20	....	5.45	2.90	4.88	e5.17	5.22	4.32	6.45	7.42	7.37	8.51	9.15
25	5.73	5.64	....	4.97	5.43	5.48	4.72	5.80	7.64	7.67	8.61	9.24
Eom	5.74	5.77	....	5.11	4.27	5.80	4.96	6.68	7.83	e7.96	8.76	9.35
1963												
5	e9.44	9.95	8.75	7.92	6.44	7.78	8.75	7.31	8.15	e8.92	10.04	9.47
10	e9.50	9.58	8.86	8.13	6.84	7.95	8.69	7.23	8.51	8.92	10.13	9.73
15	....	9.89	8.40	8.38	6.46	8.19	6.90	7.67	7.14	e8.80	10.20	9.96
20	....	9.80	6.08	7.94	6.95	8.34	....	8.00	7.87	....	....	e10.14
25	....	....	7.54	7.92	7.27	8.57	e6.30	7.94	8.25	....	....	10.33
Eom	....	9.98	7.70	5.38	7.58	8.74	6.93	7.69	8.59	e9.93	9.19	e10.45
1964												
5	....	....	11.16	6.15	4.23	6.02	4.97	5.50	6.51	7.20	8.23	....
10	....	....	e11.18	....	e4.40	6.26	5.12	5.81	6.72	7.51	8.40	....
15	....	10.97	....	....	....	....	4.42	6.22	7.09	7.71	8.60	....
20	....	10.96	....	....	5.41	....	4.24	6.53	....	7.93	8.70	....
25	....	11.03	10.57	7.42	5.51	3.70	5.00	6.29	....	8.13	8.89	....
Eom	....	11.09	10.59	6.24	5.81	4.71	5.27	5.82	6.75	8.35	e9.15	9.57

415422N091422g. 1--Continued.

Water level at noon, from recorder graph, 1965												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.60	8.31	7.29	6.50	4.46	4.34	4.88	....	5.35	4.78	5.48	6.15
10	8.69	e8.04	6.80	3.54	4.43	....	....	....	3.78	4.90	5.68	....
15	8.81	8.00	7.00	4.05	4.65	....	....	6.07	e4.55	e4.98	5.55	....
20	9.01	8.07	6.96	4.55	4.83	....	....	5.69	2.18	....	5.84	....
25	7.53	e8.15	7.27	2.50	3.76	....	....	6.11	....	....	e5.91	3.57
Eom	....	8.16	7.30	4.16	4.09	4.67	....	4.83	4.57	5.31	5.99	4.46
1966												
5	4.30	....	5.62	4.87	5.13	5.03	4.92	6.56	8.12	9.28	9.82	10.28
10	4.74	....	5.97	5.02	5.38	4.70	5.17	6.80	8.38	9.44	9.86	9.92
15	4.92	....	6.14	5.14	4.18	4.31	5.41	7.05	8.56	9.35	9.94	9.87
20	5.01	....	5.07	5.12	4.47	4.90	5.72	7.34	8.76	9.35	10.04	10.04
25	5.16	5.35	4.06	5.14	4.02	5.17	5.88	7.56	8.94	9.54	10.12	10.25
Eom	....	5.40	4.63	5.08	4.85	4.29	6.22	7.87	9.08	9.70	10.19	10.37

e Estimated.

415181N0913934. 1. Local number 83-7-28H1. Collins Radio. Drilled unused artesian well in limestone of Silurian age, diam 10 in, depth 420 ft, cased 75 ft. Led 735 ft above msl. MP top of well cover, 6.15 ft below lsd. Highest water level 51.10 below lsd, Feb. 25, 1963; lowest 91.12 below lsd, July 27, 1966. Records available: 1962-66.

Water level at noon, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	58.31	57.80	59.57	53.13	61.70	67.98	76.45	73.88	75.00	67.40	62.45	64.00
10	59.00	59.30	57.90	57.95	68.21	66.06	78.10	77.70	72.35	63.73	61.20	59.03
15	58.95	57.35	62.68	55.00	70.67	72.08	75.00	74.40	75.12	65.70	61.30	56.80
20	57.86	58.70	59.40	59.23	67.35	74.67	77.80	77.70	70.54	64.40	58.55	60.58
25	59.45	55.90	56.83	63.25	74.00	72.66	77.10	77.30	69.10	64.45	55.58	56.20
Eom	61.50	58.23	57.43	59.64	69.30	77.90	76.05	80.22	64.65	62.02	62.55	60.25
1963												
5	54.99	57.45	54.81	60.90	60.39	73.45	76.65	78.95	76.70	70.70	68.65	64.55
10	58.80	52.53	52.18	59.20	65.85	77.40	78.70	81.00	76.50	71.35	65.84	64.18
15	60.00	54.01	54.45	61.52	67.40	73.50	79.70	79.03	72.48	68.80	67.05	61.75
20	52.50	53.00	53.85	64.65	66.45	78.51	79.55	77.15	77.00	71.55	63.25	64.76
25	55.42	55.20	57.40	65.20	63.50	79.83	79.20	75.25	72.40	68.40	64.30	61.85
Eom	61.40	54.05	57.20	63.55	67.60	75.32	82.00	77.08	72.60	69.17	63.42	63.35
1964												
5	60.25	61.65	59.75	60.22	67.00	69.90	71.33	78.55	74.19	76.00	70.28	66.20
10	64.15	60.41	59.98	63.25	65.87	70.68	75.90	76.61	75.75	73.68	70.12	67.40
15	61.50	59.32	.....	66.50	69.50	70.80	73.77	74.41	73.57	74.76	67.45	67.98
20	63.91	61.40	59.93	65.13	70.75	71.39	77.53	75.60	74.49	73.20	67.50	64.40
25	61.97	60.39	59.38	64.02	73.60	.....	78.30	74.60	77.30	69.24	71.45	62.95
Eom	62.21	58.32	63.60	64.50	69.82	76.39	78.20	75.07	74.88	69.84	66.98	64.94
1965												
5	65.30	64.51	65.87	61.98	e67.62	74.68	.....	81.65	76.87	73.67	e69.40	.....
10	61.67	63.06	64.31	61.10	.....	78.50	.....	82.10	78.85	70.18	.....	.....
15	65.48	64.96	.....	.....	.....	79.55	.....	84.52	77.50	e73.85	.....	66.80
20	64.92	63.82	62.23	.....	.....	75.60	.....	83.95	79.04	71.27	.....	e64.50
25	63.91	64.94	64.11	.....	.....	79.50	.....	82.90	76.12	70.35	.....	63.50
Eom	61.79	63.17	62.20	63.35	73.57	78.95	80.19	79.40	76.78	67.92	67.97	67.77
1966												
5	64.75	65.10	66.54	.....	77.50	76.40	86.00	89.33	85.96	79.67	73.73	71.95
10	65.00	66.80	73.55	.....	75.98	79.45	.....	87.90	86.26	79.15	73.90	71.10
15	64.94	66.71	72.50	.....	72.29	78.55	89.10	88.20	86.67	77.05	74.28	71.10
20	.....	62.48	70.45	.....	77.35	81.90	.....	88.52	.....	77.10	70.69	72.70
25	65.75	67.81	73.88	.....	73.00	84.88	.....	.....	.....	77.95	71.70	70.39
Eom	64.96	64.50	.....	74.75	76.85	85.85	86.87	88.39	80.30	76.15	72.29	70.57
e Estimated.												

e Estimated.

415725N0914104. 1. Local number 83-7-32G1. Floyd Felter. 22d Ave. SW. and 11th St. SW., Cedar Rapids. Drilled unused artesian well in limestone, diam 5 in, depth 282 ft. Led 805 ft above msl. MP plug in well cover, at lsd. Highest water level 75.88 below lsd, Jan. 26, 1942; lowest 99.08 below lsd, July 31, 1957. Records available: 1940-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1962	88.04	Mar. 28, 1963	90.70	July 16, 1964	93.74	Sept. 28, 1965	92.48
May 29	88.43	July 15	92.45	Oct. 28	93.54	Feb. 24, 1966	90.98
Sept. 27	90.20	Oct. 29	95.15	Mar. 11, 1965	(j)	May 26	90.70
Dec. 27	88.40	Feb. 14, 1964	94.18	May 26	93.22	Aug. 29	95.15

j Frozen.

420526N0913707. 1. Local number 84-7-13E2. U.S. Geol. Survey. Drilled observation water-table well in glacial drift, diam 1 1/4 in, depth 17 ft, screened 15-17. Led 892 ft above msl. MP top of casing, 0.75 ft above lsd. Highest water level 1.11 below lsd, Mar. 29, 1960; lowest 12.90 below lsd, Dec. 3, 1956. Records available: 1940-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1962	3.34	Sept. 27, 1962	6.55	July 15, 1963	7.07	Mar. 30, 1964	9.99
Mar. 2	3.46	Oct. 30	6.00	25	6.14	Apr. 30	5.99
15	2.71	Nov. 30	6.97	Aug. 29	9.29	May 25	6.73
30	1.61	Dec. 27	7.45	Sept. 25	9.01	June 29	4.88
Apr. 2	1.78	Feb. 1, 1963	7.78	Oct. 29	11.23	July 16	6.10
30	2.93	27	7.13	Nov. 27	10.26	Aug. 4	7.89
May 29	1.59	Mar. 28	3.80	Dec. 30	11.48	28	9.14
June 29	3.80	Apr. 29	3.12	Jan. 29, 1964	9.56	Sept. 28	9.10
July 30	3.39	May 28	5.03	Feb. 14	10.25	Oct. 28	11.78
Aug. 31	5.26	June 28	7.78	27	10.67	Nov. 27	12.42

420526N0913707.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 28, 1964	12.33	June 28, 1965	6.10	Dec. 29, 1965	2.60	July 26, 1966	5.30
Jan. 28, 1965	11.97	July 29	5.90	Jan. 28, 1966	3.31	Aug. 29	7.47
Feb. 26	11.00	Aug. 30	5.64	Feb. 24	3.44	Sept. 28	9.66
Mar. 11	10.58	Sept. 28	2.77	Mar. 28	2.10	Oct. 28	11.15
30	10.20	Oct. 28	4.52	Apr. 28	2.44	Nov. 29	11.65
Apr. 27	4.32	Nov. 29	4.23	May 26	2.17	Dec. 27	10.53
May 26	3.62	Dec. 21	3.42	June 28	2.35		

Lyon County

432140N0955953.1. Local number 99-44-26R1. State of Iowa. Drilled unused water-table well in glacial drift, diam 20 in, depth 38 ft, lined with tile. Led 1,400 ft above msl. MP top west side of casing, 2.01 ft above lsd. Highest water level 0.50 below lsd, June 26, 1951; lowest 9.74 below lsd, Oct. 24, 1940. Records available: 1940-43; 1947-66.

Apr. 11, 1962	0.75	May 22, 1963	3.22	July 27, 1964	4.12	Nov. 9, 1965	1.41
July 5	1.45	Aug. 14	4.06	Dec. 3	2.98	June 9, 1966	1.34
Sept. 19	1.72	Dec. 11	5.48	Mar. 27, 1965	(j)	Aug. 4	4.74
Nov. 23	2.35	Mar. 18, 1964	5.44	June 3	1.62	Oct. 16	2.89
Apr. 3, 1963	1.51	May 21	2.75	Sept. 14	3.87		

j Frozen.

432549N0961111.1. Local number 99-45-5B1. City of Rock Rapids. Drilled unused artesian well in Dakota Sandstone of Early Cretaceous age, diam 10 in, depth 375 ft, cased to 296. Led 1,368 ft above msl. MP plug in cover over casing, 1.00 ft above lsd. Highest water level 100.08 below lsd, July 27, 1964; lowest 108.91 below lsd, Mar. 18, 1964. Records available: 1960-66.

Apr. 11, 1962	107.66	May 22, 1963	108.55	July 27, 1964	100.08	Nov. 9, 1965	105.46
July 5	107.76	Aug. 14	108.75	Dec. 3	101.91	June 9, 1966	106.20
Sept. 19	108.14	Dec. 11	108.86	Mar. 27, 1965	103.37	Aug. 4	106.58
Nov. 23	108.19	Mar. 18, 1964	108.91	June 3	104.18	Oct. 16	106.71
Apr. 3, 1963	108.07	May 21	101.02	Sept. 13	105.43		

Madison County

411948N0940220.1. Local number 75-28-2B1. Glen Newton. Drilled unused water-table well in glacial drift, diam 24 in, depth 32 ft, cribbed with rock. Led 1,093 ft above msl. MP hole in board platform, 0.50 ft above lsd. Highest water level 9.93 below lsd, Oct. 23, 1946; lowest 20.59 below lsd, Oct. 1, 1943. Records available: 1940-66.

Apr. 4, 1962	11.75	May 2, 1963	15.07	Aug. 18, 1964	15.54	Nov. 15, 1965	14.68
June 13	14.10	Aug. 27	15.25	Nov. 13	14.72	Feb. 22, 1966	14.43
Sept. 25	14.96	Nov. 7	14.73	Mar. 15, 1965	15.94	June 2	14.34
Nov. 14	14.60	Feb. 19, 1964	15.65	June 7	15.12	Aug. 11	15.40
Feb. 20, 1963	15.14	June 15	15.70	Aug. 16	16.25	Nov. 18	15.32

Marion County

411323N0931416.1. Local number 74-21-11K2. Town of Melcher. Drilled unused water-table well in glacial drift, diam 18 in, depth 25 ft, lined with tile. Led 948 ft above msl. MP top of well cover, 1.00 ft above lsd. Highest water level 0.30 below lsd, May 23, 1966; lowest 16.27 below lsd, Oct. 22, 1953. Records available: 1950-66.

Jan. 5, 1962	3.13	Sept. 5, 1962	6.60	Apr. 12, 1963	4.15	Dec. 20, 1963	7.50
13	2.82	14	6.60	18	3.94	26	7.40
20	3.00	17	6.77	24	4.10	Jan. 3, 1964	7.10
28	3.20	24	6.98	May 1	3.90	16	7.00
31	2.89	25	7.13	10	3.47	23	6.58
Feb. 4	2.97	Oct. 10	6.10	15	3.33	28	6.80
11	2.48	22	5.28	23	3.98	Feb. 4	6.75
17	1.46	27	5.40	27	3.86	10	6.90
26	2.40	Nov. 3	5.66	June 6	4.53	19	6.82
Mar. 4	2.17	8	5.77	11	5.03	25	6.85
26	1.03	16	5.55	21	5.73	Mar. 15	6.95
Apr. 4	1.28	25	5.24	26	6.06	27	6.77
14	1.90	28	8.29	July 10	6.79	Apr. 7	6.25
18	2.70	Dec. 1	5.23	18	6.06	20	5.00
29	2.07	8	5.28	22	6.27	26	4.24
May 5	2.90	15	5.47	29	6.85	May 5	4.40
13	3.24	19	5.44	Aug. 5	7.07	18	3.66
19	3.80	26	5.89	13	5.40	25	4.25
26	4.03	Jan. 2, 1963	5.68	20	5.68	June 9	4.90
June 10	3.84	9	5.65	26	6.14	15	4.00
12	2.30	19	5.64	Sept. 5	5.89	26	2.09
23	3.87	26	6.20	11	6.00	July 10	4.30
26	4.47	Feb. 2	6.27	17	6.27	26	4.86
July 5	4.80	10	5.39	24	6.67	Aug. 5	5.56
14	5.00	16	5.60	Oct. 16	7.60	18	6.33
19	5.33	20	5.02	27	7.78	20	6.40
28	6.56	24	5.26	Nov. 6	7.95	27	6.09
Aug. 2	5.94	Mar. 3	5.14	12	7.80	Sept. 9	5.66
7	5.96	7	3.36	20	7.45	26	5.05
15	6.35	14	3.58	29	6.95	Oct. 6	5.60
22	6.90	27	2.77	Dec. 2	7.30	17	5.80
29	6.67	Apr. 4	3.70	9	7.36	21	6.08

411323N0931416, 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 26, 1964	6.20	Apr. 23, 1965	2.80	Nov. 9, 1965	4.85	June 23, 1966	3.79
Nov. 7	6.26	May 5	2.25	24	4.85	July 14	5.10
12	6.93	17	3.85	Dec. 22	4.90	24	5.30
24	6.30	26	3.96	Jan. 15, 1966	3.60	Aug. 9	4.86
Dec. 9	6.77	June 11	3.69	25	4.40	25	6.20
23	6.45	24	4.75	Feb. 8	4.43	Sept. 3	4.54
Jan. 7, 1965	6.37	July 13	5.49	24	4.50	10	6.80
23	5.00	25	5.66	Mar. 14	4.85	24	6.82
Feb. 7	5.46	Aug. 7	6.10	25	2.57	Oct. 10	7.28
14	5.35	25	6.10	Apr. 8	3.90	21	6.45
24	5.40	Sept. 8	3.90	22	2.25	Nov. 5	6.78
Mar. 15	3.96	24	1.65	May 9	3.99	22	6.67
26	3.36	Oct. 18	4.00	23	0.30	Dec. 17	6.70
Apr. 8	1.20	28	4.44	June 5	3.38	24	7.07
17	1.90						

411541N0931234, 1. Local number 75-20-31C2. Miss Amanda Elliot. Drilled unused water-table well in glacial drift, diam 15 in, depth 29 ft, lined with tile. Lsd 915 ft above msl. MP hole in top of plank platform, 1.31 ft above lsd. Highest water level 2.31 below lsd, June 11, 1947; lowest 27.42 below lsd, Oct. 28, 1953. Records available: 1940-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1962	5.94	May 2, 1963	7.89	Aug. 18, 1964	16.76	Nov. 15, 1965	8.64
Apr. 4	3.57	Aug. 21	11.67	Nov. 12	23.18	Feb. 21, 1966	8.08
June 12	3.87	Nov. 4	12.87	Mar. 15, 1965	10.59	June 2	4.77
Sept. 25	11.82	Feb. 19, 1964	15.46	June 7	8.94	Aug. 10	10.54
Nov. 15	10.75	June 15	12.22	Sept. 2	13.97	Nov. 17	14.29
Feb. 20, 1963	11.07						

Marshall County

420355N0925347, 1. Local number 84-18-24P1. Formerly 84-18-24Q1. City of Marshalltown. Drilled unused artesian well in glacial sand and gravel of Pleistocene age, diam 8 in, depth 200 ft, cased to 190, screened 190-200. Lsd 871 ft above msl. MP hole in plate over casing, 1.80 ft above lsd. Highest water level 4.92 below lsd, July 13, 1951; lowest 31.37 below lsd, Feb. 5, 1964. Records available: 1949-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 22, 1962	21.98	May 20, 1963	17.47	Aug. 27, 1964	28.02	Nov. 8, 1965	21.54
July 10	24.32	Sept. 6	25.27	Nov. 20	30.86	Feb. 10, 1966	22.79
Sept. 14	20.73	Dec. 10	29.48	Mar. 25, 1965	20.66	May 12	22.55
Dec. 6	24.12	Feb. 5, 1964	31.37	June 4	24.99	July 25	30.06
Feb. 14, 1963	27.07	May 19	28.00	Sept. 12	22.87	Sept. 30	30.12

Montgomery County

406835N0950129, 1. Local number 71-36-6J1. State of Iowa. Drilled observation water-table well in glacial drift, diam 1½ in, depth 38 ft, screened 36-38. Lsd 1,081 ft above msl. MP top of casing, 3.02 ft above lsd. Highest water level 2.52 below lsd, May 31, 1951; lowest 30.99 below lsd, Apr. 26, 1950. Records available: 1950-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1962	11.27	Apr. 8, 1963	13.48	July 8, 1964	13.28	Oct. 20, 1965	14.32
Feb. 20	12.61	May 7	13.34	Aug. 10	13.68	Nov. 23	14.42
Mar. 22	12.51	June 10	13.38	Sept. 10	13.55	Dec. 21	14.50
Apr. 11	12.43	July 8	13.67	Oct. 12	13.44	Jan. 21, 1966	14.26
May 23	12.65	Aug. 12	12.95	Nov. 19	14.78	Feb. 21	14.38
June 19	13.68	Sept. 12	13.18	Dec. 23	15.03	Mar. 21	14.44
July 17	13.08	Oct. 8	14.18	Jan. 19, 1965	15.13	Apr. 26	14.67
Aug. 13	13.33	Nov. 11	14.32	Feb. 18	14.14	May 21	14.18
Sept. 13	13.48	Dec. 4	14.38	Mar. 19	14.74	June 21	9.71
Oct. 9	13.68	Jan. 6, 1964	13.68	Apr. 20	13.58	July 20	14.96
Nov. 6	13.70	Feb. 3	14.68	May 20	14.42	Aug. 22	14.78
Dec. 7	13.26	Mar. 9	14.78	June 21	13.93	Sept. 19	14.94
Jan. 7, 1963	13.48	Apr. 10	14.72	July 21	14.06	Oct. 21	15.24
Feb. 4	13.40	May 7	14.41	Aug. 21	14.18	Nov. 20	15.33
Mar. 13	13.64	June 8	13.36	Sept. 23	14.46	Dec. 20	15.35

Muscatine County

412120N0910804, 4. Local number 76-2-30M4. U.S. Geol. Survey. Drilled observation water-table well in alluvial sand and gravel, diam 6 in, depth 27 ft, screened 24-27. Lsd 546 ft above msl. MP base of recorder shelter, 3.7 ft above lsd. Highest water level 9.42 below lsd, June 2, 1966; lowest 12.52 below lsd, Dec. 31, 1966. Records available: 1966.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	9.44	9.90	10.59	11.29	11.84	11.93	12.31
10	.....	.....	.....	.....	.....	9.56	9.97	10.69	11.39	11.89	12.00	12.38
15	.....	.....	.....	.....	.....	9.58	10.08	10.81	11.50	11.89	e12.06	12.40
20	.....	.....	.....	.....	.....	9.62	10.27	10.93	e11.60	11.74	.....	12.44
25	.....	.....	.....	.....	.....	9.74	9.69	10.39	11.04	11.66	11.78	12.48
Eom	.....	.....	.....	.....	.....	9.46	9.77	10.48	11.22	11.76	11.88	12.27

e Estimated.

Page County

404257N0951512.1. Local number 68-38-7N1. William Brayman. Formerly John Cutter. Drilled unused water-table well in glacial drift, diam 12 in, depth 44 ft, lined with tile. Lsd 1,087 ft above msl. MP top of  $\frac{3}{4}$ -in pipe, inserted through board cover, 1.50 ft above lsd. Highest water level 1.44 below lsd, June 23, 1947; lowest 20.96 below lsd, Nov. 24, 1958. Records available: 1934-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1962	10.66	Apr. 11, 1963	13.70	July 10, 1964	8.30	Oct. 23, 1965	12.98
Mar. 8	11.27	May 10	11.25	Aug. 13	13.42	Nov. 22	14.48
27	9.35	June 11	12.49	Sept. 14	14.52	Dec. 22	14.98
May 1	13.28	July 9	12.67	Oct. 12	14.12	Jan. 20, 1966	11.41
June 4	12.29	Aug. 8	14.52	Nov. 21	15.45	Feb. 23	14.44
18	11.90	Sept. 13	13.92	Dec. 21	15.05	Mar. 24	14.90
July 18	14.52	Oct. 12	15.30	Jan. 20, 1965	15.34	Apr. 28	15.10
Aug. 14	14.48	Nov. 13	15.60	Feb. 22	13.70	May 24	15.00
Sept. 14	15.02	Dec. 16	15.52	Mar. 22	12.18	June 20	15.18
Oct. 10	15.30	Jan. 7, 1964	15.52	Apr. 23	12.40	July 21	15.24
Nov. 7	15.25	Feb. 6	15.84	May 20	12.75	Aug. 22	15.24
Dec. 14	16.42	Mar. 13	15.90	June 23	11.30	Sept. 20	15.45
Jan. 9, 1963	15.56	Apr. 16	10.92	July 22	11.28	Oct. 20	15.55
Feb. 12	13.79	May 4	6.48	Aug. 24	14.68	Nov. 21	15.63
Mar. 15	10.54	June 15	9.88	Sept. 22	8.36	Dec. 21	15.68

Polk County

413839N0932320.1. Local number 79-22-22A1. J. G. Reed. Dug unused water-table well in glacial drift, diam 36 in, cribbed with drain tile. Lsd 930 ft above msl. MP top west side of concrete curb, 0.20 ft above lsd (MP top of pipe in concrete cover, 0.45 ft above lsd, since June 1, 1965). Highest water level 2.08 below lsd, May 14, 1959; lowest 11.22 below lsd, Dec. 6, 1956. Records available: 1940-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 9, 1962	2.41	May 3, 1963	4.28	Aug. 20, 1964	7.72	Nov. 12, 1965	3.92
May 23	4.04	Aug. 27	5.90	Nov. 13	6.03	Feb. 21, 1966	4.03
June 14	2.98	Nov. 7	6.24	Mar. 17, 1965	5.50	June 3	2.90
Sept. 26	6.51	Feb. 21, 1964	6.77	June 9	3.10	Aug. 12	5.18
Nov. 14	5.62	June 18	5.76	Aug. 20	5.90	Nov. 18	5.62
Feb. 22, 1963	4.69						

Sac County

421700N0950257.1. Local number 86-36-4N1. State Conservation Commission. Dug unused water-table well in glacial drift, diam 36 in, depth 9 ft, cribbed with concrete. Lsd 1,223 ft above msl. MP top of concrete cover, 2.70 ft above lsd (since Dec. 5, 1961). Highest water level 2.48 below lsd, June 28, 1945; lowest dry Aug. 29, 1956, Feb. 19, 1957. Records available: 1940-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 9, 1962	3.73	May 21, 1963	4.68	Aug. 19, 1964	7.01	Nov. 12, 1965	5.40
July 2	5.45	Aug. 10	6.75	Dec. 2	7.25	June 8, 1966	5.75
Sept. 20	4.10	Dec. 10	6.47	Mar. 16, 1965	6.23	Aug. 11	6.43
Dec. 4	5.27	Mar. 17, 1964	6.31	June 8	4.03	Oct. 17	6.55
Apr. 1, 1963	4.28	May 20	5.69	Aug. 2	6.62		

423012N0951742.1. Local number 89-38-26A2. City of Schaller. Drilled emergency public-supply artesian well in Dakota Sandstone of Early Cretaceous age, diam 10 to 8 in, depth 352 ft, cased to 352, perforated 304-352. Lsd 1,376 ft above msl. MP edge of pump breather pipe, 1.80 ft above lsd. Highest water level 210.04 below lsd, Mar. 25, 1948; lowest 229.10 below lsd, May 2, 1956 (well being pumped). Records available: 1940-66. Water levels affected by pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 9, 1962	224.05	May 21, 1963	224.77	Aug. 19, 1964	225.41	Nov. 11, 1965	225.60
July 2	224.05	Aug. 10	225.09	Dec. 2	225.30	Feb. 22, 1966	226.64
Sept. 20	224.70	Dec. 10	225.04	Mar. 16, 1965	225.28	June 8	225.74
Dec. 4	224.09	Mar. 17, 1964	225.10	June 4	225.73	Aug. 11	225.96
Apr. 1, 1963	224.62	May 20	225.36	Aug. 3	225.41	Oct. 17	226.34

Sioux County

430449N0961033.1. Local number 95-45-5A1. City of Sioux Center. Drilled unused artesian well in Dakota Sandstone of Early Cretaceous age, diam 5 in, depth 456 ft. Lsd 1,464 ft above msl. MP top of casing, 3.75 ft below lsd. Highest water level 266.94 below lsd, Sept. 8, 1945; lowest 271.11 below lsd, Nov. 29, 1964. Records available: 1939-45, 1948-49, 1952-66. Recorder measurements discontinued August 1965; quarterly measurements resumed. Nov. 9, 1965, 270.75; June 9, 1966, 267.02.

Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	270.32	270.24	270.32	.....	269.91	269.93	270.00	269.90	270.32	270.03	270.21	270.11
10	270.82	270.04	.....	e270.10	269.89	269.94	269.97	270.01	269.99	269.85	270.07	270.20
15	270.10	269.92	.....	270.43	269.82	269.90	269.94	270.07	270.15	269.90	269.96	269.91
20	270.28	270.22	.....	270.03	269.99	270.06	270.04	270.06	270.40	270.07	269.45	270.42
25	269.78	270.15	.....	269.84	269.94	270.12	270.15	270.16	270.28	270.45	270.38	270.27
Eom	269.87	270.49	.....	269.87	270.05	270.12	270.18	269.93	269.93	270.19	270.34	270.30
1963												
5	270.35	270.15	270.00	270.04	270.31	270.22	270.15	270.29	270.33	270.40	270.22	270.42
10	270.02	270.02	270.05	269.99	270.15	270.22	270.25	270.35	270.33	270.25	270.26	270.48
15	270.44	270.38	269.86	270.15	270.15	270.21	270.25	270.33	270.22	270.33	270.24	270.82
20	269.97	270.12	270.22	270.15	270.15	270.13	270.20	270.33	270.33	270.33	270.25	270.70
25	270.30	270.36	269.99	270.09	270.25	270.32	270.15	270.33	270.40	270.33	270.33	270.41
Eom	270.04	270.25	270.10	270.40	270.22	270.12	270.15	270.38	270.27	270.28	270.43	270.58

430449N0961033.1--Continued.

Water level at noon, from recorder graph, 1964												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	270.25	.....	.....	270.31	269.87	270.28	270.34	270.42	270.44	270.71	270.77	270.78
10	270.37	.....	.....	270.48	270.14	270.28	270.35	270.17	270.39	270.70	270.36	270.62
15	.....	.....	.....	270.25	270.30	270.21	270.39	270.38	270.46	270.50	270.54	270.55
20	.....	.....	270.25	270.21	270.45	270.19	270.39	270.07	270.35	270.58	270.33	271.00
25	.....	.....	270.39	270.20	270.33	270.30	270.39	270.36	270.19	270.51	270.51	.....
Eom	.....	.....	270.50	270.13	270.40	270.36	270.40	270.35	270.45	270.47	271.01	270.65
1965												
5	270.73	.....	.....	.....	.....	270.42	270.58	270.73	.....	.....	.....	.....
10	270.77	.....	.....	.....	.....	270.55	270.64	.....	.....	.....	.....	.....
15	270.75	.....	.....	.....	.....	270.51	270.66	.....	.....	.....	.....	.....
20	.....	.....	.....	.....	.....	270.61	270.62	.....	.....	.....	.....	.....
25	.....	.....	.....	.....	.....	270.65	270.62	.....	.....	.....	.....	.....
Eom	.....	.....	270.91	.....	.....	270.74	270.73	.....	.....	.....	.....	.....

e Estimated.

Story County

415901N0963927.1. Local number 83-24-20J1. Agricultural Engineering Experiment Station. Dug unused water-table well in glacial drift, diam 36 in, depth 38 ft, cribbed with brick. Lsd 1,022 ft above msl. MP top of west side of cement platform, 0.25 ft above lsd. Highest water level 5.90 below lsd, May 31, 1944; lowest 26.09 below lsd, July 14, 1939. Records available: 1939-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 22, 1962	6.71	May 20, 1963	7.33	Aug. 20, 1964	13.15	Nov. 12, 1965	12.59
May 23	8.32	Sept. 6	13.37	Nov. 20	15.91	Feb. 23, 1966	10.99
Sept. 21	16.04	Nov. 15	16.18	Mar. 17, 1965	16.08	June 3	7.38
Dec. 3	16.33	Feb. 5, 1964	15.61	June 8	8.85	Aug. 12	13.84
Feb. 14, 1963	16.67	May 19	10.50	Aug. 6	13.60		

Tama County

421318N0923623.2. Local number 86-15-33C2. Four Mile Creek. Drilled observation water-table well in glacial drift, diam 4 in, depth 28 ft, cased to 26 ft, screened 26-28. Lsd 938 ft above msl. MP top of recorder platform, 4.3 ft above lsd. Highest water level 0.32 below lsd, June 8, 1966; lowest 4.80 below lsd, Sept. 7-8, 1964. Records available: 1966. For additional information, see Kunkle (1968).

Water level at noon, from recorder graph, 1966												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	1.71	2.62	....	....	1.90	2.16	2.54	....	3.10	3.54	3.45	3.52
10	2.07	1.15	2.35	1.88	2.00	0.73	....	....	....	3.55	3.41	3.53
15	2.20	1.91	2.27	1.80	1.53	2.19	....	....	3.31	3.40	3.46	3.56
20	2.29	2.16	2.01	1.13	1.53	1.80	....	2.96	3.40	3.38	3.48	3.57
25	2.37	2.40	1.39	1.66	1.60	2.17	....	2.64	3.44	3.42	3.47	3.62
Eom	2.48	2.44	....	1.62	2.02	2.28	1.84	2.98	3.47	3.40	3.51	3.58

421318N0923623.4. Local number 86-15-33C4. Four Mile Creek. Drilled observation artesian well in limestone of Devonian age, diam 4 in, depth 317 ft, cased to 270 ft. Lsd 938 ft above msl. MP top of recorder platform, 4.70 ft above lsd. Highest water level 57.25 below lsd, July 26-27, 1966; lowest 61.03 below lsd, Dec. 28, 1963. Records available: 1966. For additional information, see Kunkle (1968).

Water level at noon, from recorder graph, 1966												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	....	58.12	58.29	58.14	....	....	57.46	....	58.57	59.53	59.63
10	....	....	58.44	58.31	58.34	....	57.50	57.52	....	58.59	59.42	59.98
15	....	58.26	58.51	....	58.07	....	57.68	....	....	58.92	59.66	60.45
20	....	58.58	58.55	....	58.06	....	57.69	....	....	59.05	59.82	60.16
25	....	58.19	58.49	....	58.16	....	57.50	....	....	59.33	59.80	60.45
Eom	....	58.09	58.10	....	58.14	....	57.48	....	58.46	59.19	59.71	60.23

Warren County

412343N0934512.1. Local number 76-25-17A1. Formerly 76-25-8R1. Mrs. Gertrude Kelley. Dug domestic water-table well in glacial drift, diam 30 in, depth 40 ft, cribbed with cement tile. Lsd 984 ft above msl. MP top of board cover, 0.71 ft above lsd. Highest water level 3.15 below lsd, Mar. 28, 1961; lowest 23.45 below lsd, Aug. 18, 1964. Records available: 1958-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1962	3.60	May 2, 1963	10.69	Aug. 18, 1964	23.45	Nov. 15, 1965	11.77
June 13	11.77	Aug. 28	15.54	Nov. 12	15.13	Feb. 22, 1966	9.87
Sept. 25	14.79	Nov. 7	20.36	Mar. 15, 1965	13.41	June 2	5.49
Nov. 14	15.49	Feb. 19, 1964	17.30	June 7	8.16	Aug. 10	10.87
Feb. 20, 1963	14.75	June 15	22.15	Aug. 16	12.26	Nov. 17	16.58

Webster County

421837N0940836.1. Local number 87-28-29N1. Ransom Helms. Drilled unused water-table well in glacial drift, diam 12 in, depth 42 ft, lined with tile. Lsd 1,165 ft above msl. MP top of recorder platform, 4.10 ft above lsd. Highest water level 0.22 below lsd, Sept. 8, 1965; lowest 13.62 below lsd, Mar. 12, 1956. Records available: 1942-66.

## Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	4.34	e2.45	....	e1.02	2.59	2.41	2.99	3.78	4.58	4.64	5.66	6.00
10	....	3.44	....	1.98	2.62	2.84	3.57	3.99	4.80	4.68	5.71	6.05
15	....	2.79	....	2.00	2.93	3.18	2.68	4.19	5.03	5.00	5.76	6.05
20	....	....	....	1.06	3.17	3.46	2.27	4.42	5.26	5.24	5.74	6.22
25	e4.70	....	....	1.97	3.15	3.73	3.16	4.52	5.44	5.43	5.95	6.23
Eom	4.62	....	1.07	2.23	2.57	3.69	3.57	3.88	5.66	5.56	5.99	6.28

1963

5	6.31	6.57	5.10	3.91	2.40	3.20	4.93	5.65	6.17	7.28	8.13	7.29
10	6.28	6.17	4.94	4.01	2.95	3.50	5.07	5.60	6.63	7.65	8.44	7.29
15	6.39	6.35	4.00	4.06	2.38	3.82	5.36	6.37	6.98	7.94	8.64	7.59
20	6.27	5.94	3.35	4.15	2.82	4.10	4.73	6.66	6.63	8.20	8.82	7.60
25	6.43	6.14	3.68	3.68	3.18	4.33	5.50	7.01	5.74	7.35	7.13	7.69
Eom	6.48	6.20	3.77	2.15	3.23	4.65	5.62	5.58	6.71	7.84	7.25	7.91

1964

5	7.66	6.68	6.97	4.32	....	3.87	4.59	5.17	4.30	5.43	6.04	5.99
10	7.65	6.83	7.06	4.62	....	4.08	4.76	5.23	4.67	5.69	5.77	5.98
15	7.56	6.86	6.97	....	2.77	3.26	3.48	5.47	4.91	5.74	5.37	5.18
20	7.33	6.96	6.87	....	3.34	3.80	3.97	5.63	4.98	5.88	5.32	5.52
25	6.62	6.91	6.45	....	3.01	4.03	4.35	5.71	4.62	5.80	5.60	5.58
Eom	6.83	6.89	6.27	....	3.63	4.36	4.76	3.38	5.09	6.09	5.90	5.82

1965

5	5.92	6.31	6.73	....	2.43	....	2.09	3.94	3.43	2.13	3.12	3.40
10	5.90	6.40	6.83	1.46	2.55	2.20	2.32	3.97	1.97	2.50	3.22	3.33
15	6.01	e6.55	....	2.47	3.08	2.63	2.96	4.17	2.49	2.70	3.05	2.56
20	6.06	6.57	5.77	2.93	2.97	2.95	e3.33	5.75	1.48	2.65	3.24	2.75
25	6.05	6.74	5.71	1.08	....	3.15	3.52	3.72	2.02	2.68	3.32	2.36
Eom	6.24	6.62	4.75	2.37	....	3.30	3.72	2.73	1.30	3.00	3.35	2.75

1966

5	e2.25	3.99	3.80	2.17	3.12	....	3.83	....	5.26	6.99	8.40	7.97
10	3.04	3.42	3.91	2.57	3.30	2.58	3.94	e5.30	5.58	e7.17	8.44	6.87
15	3.33	3.77	3.71	2.47	2.75	2.68	4.18	5.47	5.90	7.34	8.64	5.83
20	3.53	3.86	3.45	2.69	....	3.21	4.45	5.55	6.15	7.69	8.78	5.10
25	3.71	3.93	2.41	2.90	e2.32	3.57	e4.70	e4.40	6.40	7.97	8.81	4.27
Eom	....	e4.00	1.83	3.04	....	e3.52	....	4.97	6.63	8.17	8.94	4.92

e Estimated.

423013N0942147.1. Local number 89-30-22R1. Formerly 89-30-23R1. Johnson Township Consolidated School. Barnum. Drilled unused artesian well in sandstone, diam 4 in, reported depth 208 ft, cased to bottom, perforated 203-208, measured depth 203 ft. Lsd 1,174 ft above msl. MP top of casing, 6.40 ft below lsd. Highest water level 30.86 below lsd, July 2, 1945; lowest 39.13 below lsd, May 22, 1957. Records available: 1942-45, 1947-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 12, 1962	36.29	May 23, 1963	36.90	Aug. 19, 1964	38.54	Nov. 8, 1965	37.43
July 11	36.19	Sept. 6	36.93	Dec. 1	38.47	Feb. 23, 1966	36.77
Sept. 18	36.89	Dec. 12	37.97	Mar. 16, 1965	38.41	June 7	36.66
Dec. 6	36.58	Mar. 19, 1964	38.38	June 4	38.40	Aug. 12	37.20
Apr. 4, 1963	36.89	May 22	38.30	Aug. 6	38.42	Dec. 9	37.80

423341N0940516.1. Local number 90-27-31N1. C. S. Knudson. Drilled unused water-table well in glacial drift, diam 15 in, depth 53 ft, lined with tile. Lsd 1,125 ft above msl. MP top of plank platform, 1.00 ft above lsd. Highest water level 2.96 below lsd, June 4, 1965; lowest 13.90 below lsd, Dec. 17, 1948. Records available: 1942-43, 1948-54, 1956-66.

Apr. 20, 1962	4.39	May 23, 1963	4.35	Aug. 27, 1964	7.28	Nov. 8, 1965	4.07
July 12	5.05	Sept. 6	7.73	Dec. 1	7.05	Feb. 23, 1966	5.98
Sept. 18	5.63	Dec. 12	8.58	Mar. 24, 1965	8.54	June 7	4.61
Dec. 5	6.77	Feb. 4, 1964	9.10	June 4	2.96	Aug. 1	6.39
Apr. 4, 1963	7.18	May 22	4.95	Sept. 12	3.20	Dec. 9	9.01

## Reference

Kunkle, George R., 1968, A hydrogeologic study of the ground-water reservoirs contributing base runoff to Four Mile Creek, east-central Iowa, in Contributions to the hydrology of the United States: U.S. Geol. Survey Water-Supply Paper 1839-O, 41 p., 1 pl., 16 figs., 1 table.



## KANSAS

The observation-well program in Kansas was continued during 1962 through 1966 in cooperation with the State Geological Survey, the Division of Water Resources of the State Board of Agriculture, the Environmental Health Services of the State Department of Health, and, in the Missouri Basin, the U. S. Bureau of Reclamation. In addition, the City of Wichita cooperated in Harvey, McPherson, and Sedgwick Counties. Figure 4 shows the location of observation wells included in this report.

### Well-Numbering System

Wells are numbered either serially within counties or in accordance with the Bureau of Land Management's system of land subdivision. By the latter method each well is made up of three segments. The first segment indicates the township, the second the range, and the third the section in which the well is situated. Townships are numbered south from the north border of the state. Ranges are numbered east and west of a line on the east side of Jewell, Mitchell, Lincoln, Ellsworth, and Rice Counties. The letters after the section number, which are assigned in a counterclockwise direction, represent subdivisions of the section. The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. Thus, the number Cheyenne 1-38-27adb designates the well in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 27, T. 1 S., R. 38 W.

### Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated.

#### Barber County

372000N0985940. Local number 1. D. S. Shaw. Drilled unused water-table well in deposits of Permian age, diam 8 to 6 in, depth 95 ft (remeasured 1961), galvanized iron casing. MP top of well cover, 1.05 ft above lsd. Highest water level 63.25 below lsd, Dec. 19, 1951; lowest 82.99 below lsd, Oct. 17, 1940. Records available: 1940-64, 1966. Measurements of 66.25 below lsd for Mar. 19, 1951 and 65.40 for June 20, 1951, were erroneously published previously as 57.24 and 56.40, respectively. No measurement made in 1965.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1962	74.59	Oct. 23, 1962	75.43	Oct. 23, 1963	75.15	Dec. 16, 1964	75.04
Apr. 18	74.69	Jan. 16, 1963	76.24	Dec. 20	75.24	Jan. 26, 1966	77.81
July 23	74.77	July 29	75.67				

#### Barton County

381727N0983415. Local number 43. M. Hagen. Drilled unused water-table well in deposits of Pleistocene age, diam 6 in, depth 44 ft (remeasured 1961), oil well casing. Lsd 1,798.1 ft above msl. MP top west edge of casing, 0.50 ft above lsd. Highest water level 12.97 below lsd, Aug. 21, 1951; lowest 23.71 below lsd, Nov. 20, 1967 (measurement of 17.90 below lsd for Nov. 13, 1962, erroneously reported as 33.95). Records available: 1942-66.

Jan. 16, 1962	18.75	Sept. 20, 1962	19.71	July 25, 1963	20.23	June 21, 1965	21.69
Feb. 19	18.75	Oct. 25	19.68	Oct. 21	21.09	Sept. 20	21.05
Mar. 20	18.68	Nov. 19	19.64	Dec. 17	21.16	Dec. 20	19.82
Apr. 17	18.77	Dec. 27	19.74	Mar. 17, 1964	21.21	Jan. 16, 1966	19.60
May 24	19.10	Jan. 14, 1963	19.79	June 25	21.65	June 16	20.20
June 20	19.12	Feb. 19	19.89	Sept. 15	22.58	Sept. 26	19.60
July 17	19.24	Mar. 29	19.93	Dec. 14	22.55	Dec. 21	(j)
Aug. 22	19.43	Apr. 22	19.96	Mar. 26, 1965	22.63		

j No measurement; well plugged.

#### Clark County

371210N0994630. Local number 10. J. F. Folks Estate. Drilled stock water-table well in deposits of Pleistocene age, diam 6 in, depth 21 ft, galvanized iron casing. MP top south side of casing, 2.62 ft above lsd (since July 29, 1963). Highest water level 12.82 below lsd, Jan. 21, 1959; lowest 23.17 below lsd, Mar. 21, 1965. Records available: 1940-47, 1954-65. Measurement discontinued.

Jan. 29, 1962	16.01	Apr. 24, 1963	15.80	Dec. 19, 1963	16.39	Sept. 16, 1964	16.64
July 23	15.82	July 29	16.37	Mar. 19, 1964	15.55	Dec. 16	16.70
Oct. 23	15.68	Oct. 23	15.98	June 23	16.45	Mar. 21, 1965	23.17
Jan. 16, 1963	15.62						

#### Douglas County

385437N0951853. Local number 13-19-21bb. C. E. Banning. Drilled domestic and stock artesian well in Tonganoxie Sandstone Member of Stranger Formation of Pennsylvanian age, diam 6 in, depth 96 ft, cased with iron. MP top of casing cover plate, 3.10 ft below lsd. Highest water level 23.48 below lsd, May 20, 1952; lowest 41.99 below lsd, Jan. 5, 1957. Records available: 1952-60, 1962-64, 1966. No measurement made in 1965. Nov. 5, 1962, 32.29; Feb. 5, 1963, 33.74; Feb. 29, 1964, 38.47; June 9, 37.27; Mar. 1, 1966, 33.98; Nov. 17, 37.88.

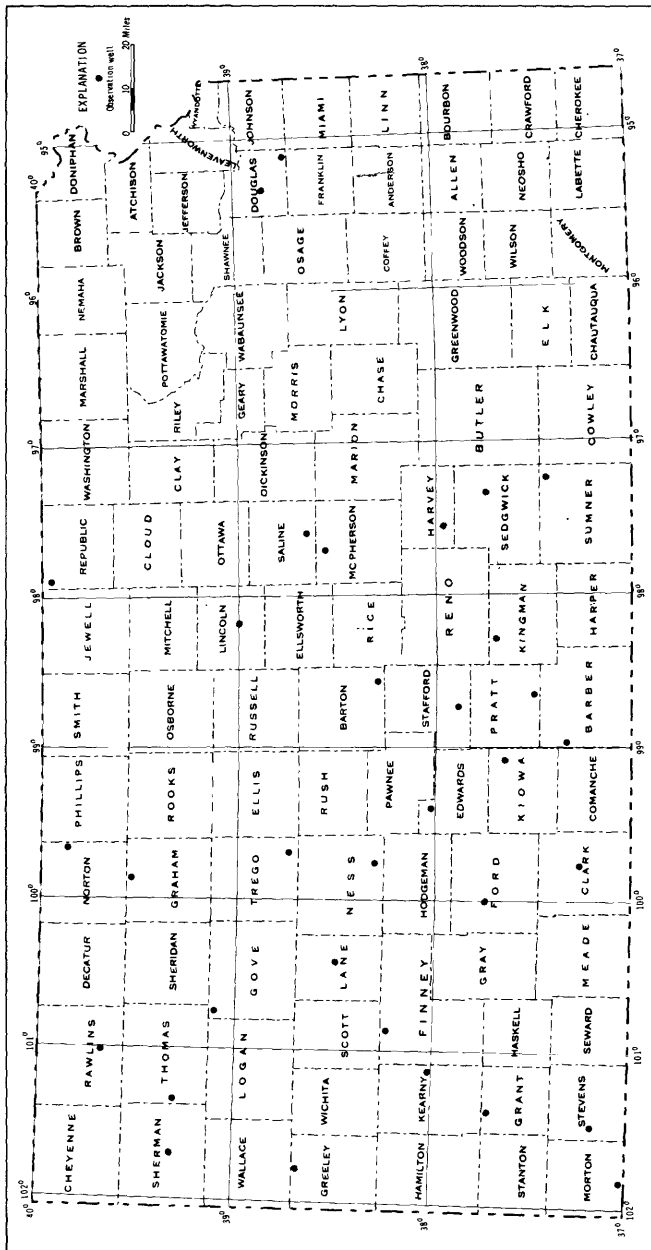


Figure 4.—Location of observation wells in Kansas, 1962-66.

384632N0950525. Local number 15-21-4bcc. U.S. Geol. Survey and Kansas Geol. Survey. Drilled observation water-table well in Ireland Sandstone Member of Lawrence Shale of Pennsylvanian age, diam 5½ in, depth 144 ft, galvanized iron casing. MP top of well seal, 2.00 ft above lsd. Highest water level 13.68 below lsd, Mar. 29, 1962; lowest 30.05 below lsd, Dec. 9, 1966. Records available: 1956-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 29, 1962	13.68	Apr. 1, 1964	26.26	June 17, 1965	26.25	Mar. 1, 1966	27.94
Nov. 5	20.54	June 9	27.39	July 23	24.98	May 16	28.30
Feb. 5, 1963	24.05	Aug. 10	27.88	Sept. 27	24.64	Nov. 7	29.48
July 19	25.90	Oct. 1	29.46	Nov. 9	25.17	Dec. 9	30.05
Feb. 29, 1964	26.41	Mar. 16, 1965	27.61				

#### Edwards County

380145N0992413. Local number 10. E. F. Lippoldt. Dug unused water-table well in Dakota Formation of Early Cretaceous age, diam 4½ ft, depth 68 ft (remeasured 1961), cribbed with rock. Lsd 2,238.4 ft above msl. MP top of hole in concrete cover, 0.60 ft above lsd. Highest water level 61.46 below lsd, Dec. 21, 1965; lowest 68.20 below lsd, Mar. 13, 1946. Records available: 1944-66.

Jan. 17, 1962	65.77	Sept. 20, 1962	62.46	Mar. 19, 1964	64.09	Sept. 23, 1965	61.69
Feb. 19	62.87	Feb. 20, 1963	63.53	June 24	64.88	Dec. 21	61.46
Apr. 19	62.98	Apr. 25	64.05	Sept. 17	66.23	Mar. 18, 1966	62.70
May 25	62.56	July 30	62.43	Dec. 17	66.41	June 27	62.49
June 20	62.63	Oct. 24	63.77	Mar. 25, 1965	64.54	Sept. 22	62.11
July 23	62.56	Dec. 19	63.42	June 21	62.11	Dec. 22	62.40
Aug. 22	62.69						

#### Finney County

381308N1005246. Local number 5. E. Alberta Reeves. Drilled unused water-table well in deposits of Pleistocene age, diam 6 in, depth 32 ft, galvanized iron casing. MP hole in east side of pumpbase, 0.40 ft above lsd. Highest water level 15.30 below lsd, Aug. 14, 1951; lowest 31.83 below lsd, Jan. 10, 1966. Records available: 1939-66.

Feb. 5, 1962	25.40	Oct. 3, 1962	25.73	May 13, 1963	26.92	Nov. 21, 1963	27.87
Mar. 5	25.78	Nov. 5	25.87	June 18	27.06	Dec. 6	27.91
May 2	25.80	Dec. 11	26.16	July 10	26.99	Jan. 13, 1964	27.89
June 5	26.17	Jan. 7, 1963	26.26	Aug. 5	27.32	Feb. 3	27.97
July 3	26.19	Feb. 4	26.32	Sept. 4	27.72	Jan. 20, 1965	30.60
Aug. 21	26.04	Mar. 19	26.28	Oct. 8	27.61	Jan. 10, 1966	31.83
Sept. 4	26.18	Apr. 10	26.53				

#### Ford County

374445N1000255. Local number 8. F. H. Diehl. Drilled irrigation water-table well in alluvium, diam 20 in, depth 20 ft (remeasured 1961), cased with concrete. Lsd 2,490.2 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 0.86 below lsd, May 13, 1942; lowest 8.92 below lsd, Aug. 21, 1963. Records available: 1938-66.

Jan. 30, 1962	6.46	Nov. 20, 1962	7.03	Oct. 24, 1963	8.33	Mar. 25, 1965	7.32
Feb. 19	6.38	Dec. 26	6.87	Dec. 19	8.09	Sept. 23	5.67
Mar. 20	6.19	Jan. 17, 1963	7.01	Jan. 21, 1964	8.64	Dec. 21	6.02
Apr. 19	6.18	Feb. 20	6.92	Feb. 19	7.39	Mar. 18, 1966	5.93
May 25	6.62	Mar. 27	6.92	Mar. 19	7.41	June 28	(a)
June 20	6.31	May 20	7.72	June 23	7.50	Sept. 22	6.35
Sept. 20	6.94	Aug. 21	8.92	Sept. 17	8.38	Dec. 22	8.40
Oct. 24	6.54	Sept. 23	8.50	Dec. 17	7.89		

a Well being pumped.

#### Gove County

390650N1003810. Local number 11-31-10aa. Thos. P. Johnstone. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 5 in, depth 99 ft (remeasured 1961), galvanized iron casing. MP top of casing, 0.80 ft above lsd. Highest water level 88.69 below lsd, Aug. 11, 1952; lowest 92.08 below lsd, June 8, 1965. Records available: 1952-65. Measurement discontinued.

Jan. 17, 1962	90.29	Jan. 14, 1963	90.49	Dec. 19, 1963	91.50	Dec. 14, 1964	91.89
Apr. 12	90.39	Apr. 9	90.55	Mar. 16, 1964	91.48	Mar. 9, 1965	91.93
July 18	90.46	July 8	90.67	June 15	91.69	June 8	92.08
Oct. 8	90.46	Oct. 17	91.21	Sept. 14	91.91		

#### Graham County

393229N0995038. Local number 6-23-12ccb. H. Hauser. Drilled stock water-table well in Ogallala Formation of Pliocene age, diam 5 in, depth 69 ft (remeasured 1961), galvanized iron casing. Lsd 2,349.6 ft above msl. MP top of casing, 1.30 ft above lsd. Highest water level 60.60 below lsd, Oct. 17, 1961; lowest 63.97 below lsd, Feb. 12, 1957. Records available: 1952-66.

Jan. 15, 1962	61.08	Oct. 10, 1962	60.95	July 11, 1963	61.66	ec. 17, 1964	62.91
Apr. 9	61.25	Jan. 16, 1963	61.28	Oct. 14	61.66	Dec. 8, 1965	60.91
July 16	61.47	Apr. 12	61.61	Dec. 17	62.01	Dec. 14, 1966	60.75

#### Grant County

374337N1012155. Local number 5. C. L. Jury. Drilled unused water-table well in deposits of Pleistocene age and Ogallala Formation of Pliocene age, diam 6 in, depth 139 ft (remeasured 1962), cased with iron. Lsd 3,069.9 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 65.53 below lsd, May 9, Nov. 28, 1951; lowest 95.38 below lsd, Dec. 7, 1966. Records available: 1941-66.

374337N1012155--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7, 1962	79.45	May 14, 1963	89.42	Dec. 7, 1964	92.55	Mar. 18, 1966	83.40
May 14	85.51	Aug. 7	90.14	Mar. 8, 1965	86.76	June 21	92.84
Aug. 13	86.80	Nov. 22	88.31	June 9	93.96	Sept. 14	93.13
Nov. 14	83.96	Mar. 17, 1964	85.83	Sept. 7	91.72	Dec. 7	95.38
Feb. 6, 1963	80.80	June 10	90.71	Dec. 27	85.87		

Greeley County

383922N1015237. Local number 16-41-20ba. J. Howell. Drilled stock water-table well in Ogallala Formation of Pliocene age, diam 6 in, depth 150 ft (remeasured 1962), galvanized iron casing. Lsd 3,741.0 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 125.25 below lsd, Dec. 28, 1965; lowest 135.13 below lsd, Dec. 6, 1963. Records available: 1947-65. Measurement discontinued; well destroyed.

Mar. 9, 1962	133.20	Feb. 4, 1963	133.50	Mar. 18, 1964	133.95	Dec. 16, 1964	134.82
June 6	133.53	May 13	133.37	June 9	133.50	Mar. 10, 1965	134.21
Sept. 5	133.74	Dec. 6	135.13	Sept. 8	134.25	Dec. 28	125.25
Nov. 5	134.70						

Harvey County

375530N0973003. Local number 839. City of Wichita. Drilled observation water-table well in Pleistocene sand, diam 1½ in, depth 27 ft, galvanized iron casing. Lsd 1,389.2 ft above msl. MP top of pipe, 1.00 ft above lsd. Highest water level 10.62 below lsd, Aug. 21, 1939; lowest 32.52 below lsd, May 1, 1957. Records available: 1938-66.

Jan. 31, 1962	21.33	Sept. 28, 1962	20.59	Dec. 31, 1963	22.32	July 1, 1965	24.20
Mar. 1	21.38	Oct. 31	20.24	Mar. 31, 1964	22.86	Sept. 30	23.02
Mar. 29	21.08	Nov. 29	20.45	June 30	23.77	Dec. 29	21.84
Apr. 30	21.29	Dec. 31	20.45	Oct. 1	24.47	Apr. 1, 1966	21.92
May 31	21.56	Mar. 29, 1963	21.11	Dec. 1	24.26	July 1	22.20
July 2	20.92	July 1	21.54	31	24.32	Oct. 1	23.08
31	20.80	Oct. 2	21.98	Apr. 2, 1965	24.39	Dec. 30	24.03
Aug. 30	20.20						

Kearny County

380310N1010820. Local number 16. C. B. Campbell. Drilled unused water-table well in deposits of Pleistocene and Ogallala Formation of Pliocene age, diam 6 in, depth 60 ft, galvanized iron casing. Lsd 3,017.05 ft above msl. MP top north side of casing, 0.40 ft above lsd. Highest water level 23.69 below lsd, May 31, 1951; lowest 58.91 below lsd, Dec. 3, 1963. Records available: 1939-63. Measurement discontinued.

Jan. 24, 1962	50.85	July 12, 1962	51.07	Mar. 27, 1963	51.86	Sept. 3, 1963	58.77
Apr. 9	49.92	Dec. 27	53.50	June 3	55.92	Dec. 3	58.91

Kingman County

374257N0981851. Local number 4. N. Lawson. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 2 in, depth 64 ft (remeasured 1961), galvanized pipe casing. Lsd 1,727.6 ft above msl. MP top opening of pump, 3.00 ft above lsd. Highest water level 55.22 below lsd, Dec. 17, 1963; lowest 65.13 below lsd, Feb. 6, 1947. Records available: 1945-66.

Jan. 16, 1962	56.15	July 26, 1963	56.93	Sept. 14, 1964	55.79	Dec. 22, 1965	56.36
Apr. 16	55.53	Oct. 21	55.68	Dec. 14	55.93	Mar. 17, 1966	56.62
July 16	55.64	Dec. 17	55.22	Mar. 22, 1965	56.13	June 29	56.62
Oct. 22	55.74	Mar. 17, 1964	55.30	June 22	56.03	Sept. 24	56.71
Jan. 14, 1963	55.95	June 22	55.65	Sept. 20	56.18	Dec. 20	55.87
Apr. 23	55.86						

Kiowa County

373819N0990403. Local number 4. H. E. Davis. Drilled domestic and irrigation water-table well in sand and gravel of Pleistocene age, diam 6 in, depth 99 ft (remeasured 1961), galvanized casing. Lsd 2,116.39 ft above msl. MP top south side of casing, 0.50 ft above lsd. Highest water level 63.87 below lsd, Sept. 4, 1952; lowest 76.07 below lsd, Aug. 20, 1943. Records available: 1940-65.

Jan. 30, 1962	67.17	July 30, 1963	67.57	Sept. 17, 1964	68.24	Dec. 22, 1965	68.04
Apr. 19	67.25	Oct. 24	68.07	Dec. 17	68.38	Mar. 18, 1966	(j)
July 24	67.33	Dec. 19	67.87	Mar. 25, 1965	68.68	June 28	(j)
Oct. 24	67.13	Mar. 23, 1964	67.88	June 23	68.82	Sept. 23	(j)
Jan. 17, 1963	67.36	June 24	68.34	Sept. 23	69.19	Dec. 23	(j)
Apr. 25	67.57						

j Well plugged.

Lane County

382858N1002433. Local number 18-28-15ccc. C. S. and F. E. Boone. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 6 in, depth 76 ft (remeasured 1962), galvanized iron casing. Lsd 2,739.5 ft above msl. MP top southwest side of casing, 0.50 ft above lsd. Highest water level 53.62 below lsd, Apr. 7, 1964; lowest 56.49 below lsd, Dec. 18, 1957. Records available: 1948, 1950-66.

382858N1002433--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 5, 1962	54.28	Apr. 10, 1963	54.01	July 15, 1964	53.87	Oct. 12, 1965	53.87
June 5	54.23	July 10	54.00	Oct. 13	54.26	Jan. 10, 1966	53.92
Sept. 4	55.04	Oct. 8	53.84	Jan. 20, 1965	53.83	Apr. 25	53.75
Oct. 3	53.93	Jan. 13, 1964	53.78	Apr. 14	53.93	July 19	53.98
Jan. 7, 1963	53.76	Apr. 7	53.62	July 21	54.25	Oct. 11	53.84

Lincoln County

390117N0981106. Local number 12-8-11cb. Jim and Ed Healy. Dug domestic and stock water-table well in terrace deposits of Pleistocene age, diam 4 ft, depth 32 ft, cribbed with rock. MP top of concrete curb, at lsd. Highest water level 4.76 below lsd, July 25, 1951; lowest 21.81 below lsd, Sept. 30, 1965. Records available: 1947-66.

Mar. 13, 1962	18.13	Sept. 17, 1963	21.15	Sept. 16, 1964	20.83	Sept. 30, 1965	21.81
June 29	16.98	Dec. 10	21.08	Dec. 15	21.38	June 7, 1966	21.0
Dec. 3	18.90	Mar. 17, 1964	21.15	Mar. 25, 1965	21.49	Dec. 15	20.72
June 6, 1963	20.25	June 8	21.35	June 22	21.02		

McPherson County

383403N0973007. Local number 17-3-17dd. U.S. Geol. Survey. Drilled observation water-table well in terrace deposits of Pleistocene age, diam 1½ in, depth 37 ft (remeasured 1961), galvanized iron casing. Lsd 1,331.5 ft above msl. MP top of pipe, 0.80 ft above lsd (since Jan. 1, 1962). Highest water level 16.75 below lsd, July 24, 1951; lowest 29.80 below lsd, Sept. 7, 1956. Records available: 1946-66.

Mar. 15, 1962	24.90	Apr. 29, 1963	26.11	Sept. 16, 1964	27.90	Dec. 22, 1965	25.82
Apr. 30	26.56	June 4	26.52	Dec. 16	27.44	Mar. 16, 1966	25.80
July 9	25.46	July 23	27.18	Mar. 25, 1965	27.34	May 16	26.49
Aug. 17	24.46	Sept. 17	27.28	May 24	27.63	June 8	26.92
Sept. 24	24.67	Dec. 10	27.04	June 23	26.49	July 18	27.48
Nov. 27	25.42	Mar. 18, 1964	27.15	July 15	24.20	Sept. 6	26.68
Mar. 18, 1963	25.96	June 9	27.76	Aug. 10	24.52	Dec. 16	27.16

Morton County

370142N1015351. Local number 117. W. C. Washburn. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 6 in, depth 216 ft, cased with iron. MP top west side of casing, 1.20 ft above lsd. Highest water level 151.68 below lsd, Jan. 5, 1966; lowest 166.54 below lsd, May 25, 1948. Records available: 1939-66.

Feb. 6, 1962	153.26	Oct. 7, 1963	153.42	Oct. 12, 1964	(a)	Jan. 5, 1966	151.68
May 1	153.17	Jan. 15, 1964	(a)	Jan. 19, 1965	(a)	Apr. 19	151.79
Aug. 15	154.20	Apr. 13	(a)	Apr. 20	152.40	July 25	(j)
Jan. 8, 1963	156.09	July 28	(a)	Oct. 25	(a)	Oct. 26	151.92

a Well being pumped.

j No measurement.

Ness County

381728N0994707. Local number 2. C. L. Whitley. Dug and drilled irrigation water-table well in terrace deposits of Pleistocene age, diam 20 in, depth 51 ft (remeasured 1961), galvanized iron casing. MP top of concrete curb, 0.50 ft above lsd. Highest water level 17.81 below lsd, July 12, 1951; lowest 41.79 below lsd, Aug. 17, 1965. Records available: 1940-66.

Jan. 17, 1962	22.82	June 25, 1964	25.39	Sept. 21, 1965	28.79	June 27, 1966	30.87
Apr. 17	22.77	Sept. 15	31.59	Oct. 25	27.72	July 15	j36.42
July 17	22.48	Dec. 15	28.13	Nov. 19	28.37	Aug. 26	j37.15
Oct. 25	23.00	Mar. 26, 1965	27.92	Dec. 20	28.60	Sept. 22	31.91
Jan. 15, 1963	22.96	Apr. 15	28.31	Jan. 24, 1966	28.29	Oct. 21	31.15
July 25	24.97	May 18	(a)	Feb. 22	28.39	Nov. 22	31.27
Oct. 22	25.18	June 21	28.14	Mar. 16	28.36	Dec. 22	31.28
Dec. 16	25.09	July 20	(a)	Apr. 19	j31.57		
Mar. 18, 1964	30.50	Aug. 17	41.79	May 23	29.52		

a Well being pumped.

j Irrigation well pumping 20 ft north of this well.

Norton County

395448N0993836. Local number 2-21-1bb. Verner Ross. Drilled irrigation water-table well in terrace deposits of Pleistocene age, diam 24 in, depth 70 ft, galvanized iron casing. Lsd 2,122.4 ft above msl. MP top east side of pumpbase, 1.30 ft above lsd. Highest water level 18.76 below lsd, July 23, 1951; lowest 44.70 below lsd, Aug. 23, 1960. Records available: 1946-66.

Jan. 15, 1962	26.1	May 1, 1963	23.3	Sept. 2, 1964	35.6	Oct. 13, 1965	27.42
Mar. 15	25.8	July 2	37.7	Nov. 4	30.5	Nov. 22	24.9
May 21	25.8	Sept. 9	30.9	Jan. 8, 1965	29.9	Jan. 19, 1966	24.8
July 11	24.3	Nov. 6	27.7	Mar. 2	31.1	Mar. 21	24.2
Sept. 19	28.5	Jan. 2, 1964	26.6	May 18	27.9	June 6	27.2
Nov. 27	26.2	Mar. 5	26.2	July 22	(a)	Sept. 28	22.9
Feb. 18, 1963	25.2	July 1	26.0	Sept. 30	27.9	Nov. 21	22.9

a Well being pumped.

Pratt County

373137N0984111. Local number 29-13-13aa. E. R. Kessler. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 10 in, depth 119 ft (remeasured 1961), galvanized iron casing. Lad 1,916.7 ft above msl. MP top south side of concrete platform, 0.40 ft above lsd. Highest water level 87.65 below lsd, June 29, 1953; lowest 92.25 below lsd, Dec. 15, 1954. Records available: 1951-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1962	89.28	July 26, 1963	89.37	Sept. 16, 1964	91.69	Dec. 22, 1965	89.68
Apr. 18	89.29	Oct. 23	89.27	Dec. 16	90.46	Mar. 17, 1966	89.50
July 23	89.18	Dec. 20	89.40	Mar. 24, 1965	88.92	June 28	89.44
Oct. 23	89.70	Mar. 20, 1964	89.43	June 23	90.02	Sept. 23	89.48
Jan. 16, 1963	89.30	June 23	89.79	Sept. 22	89.87	Dec. 20	89.27
Apr. 24	89.49						

Rawlins County

394201N1010335. Local number 4-33-18dd. W. B. Minney. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 5 in, depth 104 ft (remeasured 1961), galvanized iron casing. MP top north side of hole drilled in pumpbase, 1.30 ft above lsd. Highest water level 86.61 below lsd, Aug. 4, 1952; lowest 88.52 below lsd, Oct. 13, 1959, Jan. 13, 1960.

Records available: 1952-66.

Jan. 15, 1962	87.83	Dec. 18, 1963	87.81	Dec. 16, 1964	87.86	Jan. 19, 1966	87.69
Apr. 11	87.89	Mar. 17, 1964	87.82	Mar. 10, 1965	87.96	Mar. 8	87.69
Apr. 10, 1963	87.86	June 15	87.80	June 9	(a)	June 14	(a)
July 10	87.80	Aug. 24	87.85	Sept. 9	(a)	Sept. 7	(a)
Oct. 15	87.80	Sept. 17	87.84	Dec. 7	87.80	Dec. 13	87.47

a Well being pumped.

Republic County

395909N0975546. Local number 1-5-7bb. U.S. Geol. Survey. Driven and bored observation water-table well in alluvium, diam 1½ in, depth 13 ft, galvanized iron casing. Lad 1,515.31 ft above msl. MP top of pipe, 1.00 ft above lsd. Highest water level 2.75 below lsd, Sept. 9, 1958; lowest 9.62 below lsd, Mar. 28, 1956. Records available: 1947-66.

Jan. 11, 1962	7.35	Mar. 18, 1963	7.00	Aug. 3, 1964	8.82	June 3, 1965	7.98
Feb. 8	7.12	Apr. 12	6.39	19	9.08	July 2	7.74
Mar. 6	6.80	May 7	5.79	Sept. 8	8.61	Aug. 4	7.96
Apr. 4	6.26	June 5	6.70	Oct. 6	8.73	Sept. 3	8.40
May 2	6.60	July 10	7.40	Nov. 2	8.73	24	7.63
June 12	6.50	Aug. 8	7.90	30	8.75	Jan. 5, 1966	7.10
July 24	6.89	Sept. 6	8.20	Jan. 5, 1965	8.67	Mar. 8	6.60
Aug. 14	7.27	Nov. 18	7.40	Feb. 8	8.50	May 10	6.80
Sept. 17	7.72	Mar. 4, 1964	7.50	Mar. 2	7.94	June 16	7.23
Oct. 10	7.60	Apr. 6	7.50	31	7.72	July 8	7.49
Nov. 7	6.77	June 29	8.28	Apr. 22	7.60	Aug. 22	8.14

Saline County

384430N0973512. Local number 15-2-18cd. U.S. Geol. Survey. Drilled and driven observation water-table well in terrace deposits of Pleistocene age, diam 1½ in, depth 44 ft (remeasured 1961), galvanized iron casing. Lad 1,261.3 ft above msl. MP top of pipe, 1.40 ft above lsd. Highest water level 11.50 below lsd, Sept. 18, 1951; lowest 28.65 below lsd, Sept. 7, 1966.

Records available: 1946-66.

Mar. 15, 1962	21.85	Apr. 29, 1963	24.37	Sept. 16, 1964	25.45	Dec. 22, 1965	24.03
Apr. 30	23.06	June 4	24.77	Dec. 16	25.40	Mar. 10, 1966	24.04
July 9	22.26	July 23	24.33	Mar. 25, 1965	24.17	May 17	24.82
Aug. 17	23.95	Sept. 16	23.96	May 24	25.79	June 9	24.95
Sept. 24	22.24	Dec. 11	24.75	June 23	23.08	July 18	25.00
Nov. 27	23.93	Mar. 19, 1964	25.33	July 15	19.87	Sept. 6	24.04
Mar. 18, 1963	25.12	June 8	25.55	Aug. 10	20.24	Dec. 16	25.49

Sedgwick County

374651N0971959. Local number 809. City of Wichita. Driven observation water-table well in sand and gravel of Pleistocene age, diam 1½ in, depth 32 ft, galvanized iron casing. Lad 1,330.32 ft above msl. MP top of pipe, 3.60 ft above lsd. Highest water level 5.91 below lsd, July 11, 1951; lowest 17.68 below lsd, Jan. 31, 1957. Records available: 1938-66.

Jan. 31, 1962	10.52	Aug. 30, 1962	11.65	Jan. 2, 1964	14.30	Sept. 30, 1965	10.03
Mar. 1	10.68	Sept. 28	11.04	Mar. 31	14.65	Dec. 29	11.72
29	11.15	Oct. 31	11.59	June 30	14.50	Apr. 1, 1966	12.52
Apr. 30	11.40	Nov. 29	11.94	Oct. 1	14.47	July 1	13.02
May 31	12.07	Dec. 31	12.07	Dec. 31	13.73	Oct. 1	14.94
June 27	10.58	Mar. 29, 1963	12.52	Apr. 2, 1965	14.10	Dec. 30	16.05
July 31	10.98	Oct. 2	13.59	July 1	12.32		

Sherman County

392100N1014410. Local number 8-40-24baa. Victoria Van Drasek Estate. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 6 in, depth 159 ft (remeasured 1961), galvanized iron casing. Lad 3,697.7 ft above msl. MP top west side of casing, 0.70 ft above lsd. Highest water level 135.54 below lsd, Apr. 21, 1953; lowest 152.45 below lsd, Sept. 8, 1966. Records available: 1948-66.

392100N1014410--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16, 1962	140.77	July 9, 1963	144.48	Dec. 15, 1964	148.75	Jan. 26, 1966	148.93
Apr. 12	140.87	Oct. 16	145.69	Mar. 9, 1965	149.10	Mar. 7	148.44
July 16	140.94	Dec. 19	147.78	June 8	150.59	June 15,	151.16
Oct. 9	141.26	Mar. 16, 1964	148.90	Sept. 8	152.15	Sept. 8	152.45
Jan. 14, 1963	141.79	June 15	147.45	Dec. 6	150.29	Dec. 12	151.15
Apr. 9	142.00	Sept. 16	151.10				

j Irrigation well pumping  $\frac{1}{4}$  mi east.Stafford County

375429N0984442. Local number 25-13-3bb. M. L. Halley. Driven unused water-table well in sand and gravel of Pleistocene age, diam 4 in, depth 32 ft (remeasured 1961), cased with iron, sand point driven in well pit. Lsd 1,933.3 ft above msl. MP top of pipe, 0.80 ft above lsd. Highest water level 2.75 below lsd, May 21, 1952; lowest dry, Aug. 15, Oct. 22, Nov. 20, 1956. Records available: 1951-66.

Jan. 29, 1962	13.73	Sept. 20, 1962	15.59	July 25, 1963	15.56	June 23, 1965	14.37
Feb. 19	13.69	Oct. 24	15.44	Oct. 23	16.92	Sept. 22	15.58
Mar. 20	13.67	Nov. 20	15.89	Dec. 19	16.78	Dec. 22	15.62
Apr. 18	13.70	Dec. 26	15.51	Mar. 23, 1964	17.04	Mar. 16, 1966	15.16
May 25	14.53	Jan. 16, 1963	15.57	June 23	18.30	June 27	16.94
June 20	14.79	Feb. 20	15.04	Sept. 15	19.13	Sept. 23	18.12
July 24	15.10	Mar. 29	15.11	Dec. 16	18.82	Dec. 21	17.60
Aug. 20	15.71	Apr. 24	15.49	Mar. 24, 1965	19.41		

Stevens County

371010N1012810. Local number 33-38-20aa. Forrest Farrar. Drilled domestic water-table well in deposits of Pleistocene age and Ogallala Formation of Pliocene age, diam 5 in, depth 112 ft (remeasured 1962), galvanized iron casing. MP slit in steel plate over casing, 0.60 ft above lsd. Highest water level 73.03 below lsd, Oct. 7, 1963; lowest 97.29 below lsd, Apr. 7, 1956. Records available: 1956-63. No measurement made in 1964. Measurement discontinued in 1965. Feb. 6, 1962, 77.50; May 1, 76.96; Apr. 17, 1963, 73.75; Oct. 7, 73.03.

Sumner County

372623N0971344. Local number 19. Thomas Graber. Bored observation water-table well in terrace deposits of Pleistocene age, diam  $1\frac{1}{4}$  in, depth 29 ft (remeasured 1961), cased with steel. Lsd 1,209.0 ft above msl. MP top of pipe, 1.60 ft above lsd. Highest water level 6.65 below lsd, June 6, 1957; lowest 12.18 below lsd, Sept. 13, 1956. Records available: 1954-66. Mar. 22, 1962, 10.24; Dec. 18, 9.57; Mar. 22, 1963, 9.71; June 3, 9.56; Jan. 8, 1964, 10.17; Mar. 10, 1965, 9.74; May 16, 1966, 9.82.

Thomas County

392140N1012240. Local number 7. City of Brewster. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 6 in, depth 138 ft (remeasured 1962), galvanized iron casing. MP top west side of casing, 0.30 ft above lsd. Highest water level 110.85 below lsd, July 8, 1953; lowest 128.02 below lsd, Oct. 14, 1948. Records available: 1942-64. Measurement discontinued.

Jan. 16, 1962	124.10	Oct. 9, 1962	124.05	July 10, 1963	125.89	Mar. 16, 1964	124.15
Apr. 12	124.10	Jan. 15, 1963	123.36	Oct. 15	125.44	June 15	124.24
July 17	124.30	Apr. 9	124.00	Dec. 19	123.90		

Trego County

384750N0994239. Local number 14-22-36aa. U.S. Geol. Survey. Drilled observation water-table well in terrace deposits of Pleistocene age, diam  $1\frac{1}{4}$  in, depth 64 ft (remeasured 1962). Lsd 2,114.72 ft above msl. MP top of pipe, 1.40 ft above lsd (since Mar. 1962). Highest water level 26.82 below lsd, Dec. 5, 1960; lowest 43.11 below lsd, Mar. 16, 1950. Records available: 1949-54, 1956-66.

Mar. 14, 1962	26.92	June 5, 1963	27.20	Sept. 15, 1964	27.30	Mar. 16, 1966	27.03
June 29	27.08	Sept. 17	27.45	Dec. 15	26.99	June 8	27.12
Oct. 2	27.03	Dec. 10	27.10	Mar. 26, 1965	27.40	Sept. 7	27.30
Dec. 3	26.90	Mar. 18, 1964	27.10	June 22	27.39	Dec. 15	27.28
Mar. 19, 1963	27.05	June 9	27.28	Sept. 30	27.35		

References

- Bayne, C. K., 1962, Geology and ground-water resources of Cowley County, Kansas: Kans. Geol. Survey Bull. 158, 219 p.
- Broeker, M. E., and Winslow, J. D., 1963, Ground-water levels in observation wells in Kansas, 1962: Kans. Geol. Survey Bull. 167, 89 p.
- \_\_\_\_\_, 1964, Ground-water levels in observation wells in Kansas, 1963: Kans. Geol. Survey Bull. 173, 94 p.
- \_\_\_\_\_, 1965, Ground-water levels in observation wells in Kansas, 1964: Kans. Geol. Survey Bull. 177, 93 p.
- \_\_\_\_\_, 1966, Ground-water levels in observation wells in Kansas, 1965: Kans. Geol. Survey Bull. 184, 92 p.
- Fader, S. W., Gutentag, E. D., Lobmeyer, D. H., and Meyer, W. R., 1964, Geohydrology of Grant and Stanton Counties, Kansas: Kans. Geol. Survey Bull. 168, 147 p., 9 pls.
- Hodson, W. G., 1963, Geology and ground-water resources of Wallace County, Kansas: Kans. Geol. Survey Bull. 161, 108 p., 3 pls.
- \_\_\_\_\_, 1965, Geology and ground-water resources of Trego County, Kansas: Kans. Geol. Survey Bull. 174, 80 p., 2 pls.

## References--Continued.

- Jungman, W. L., 1966, Geology and ground-water resources of Neosho County, Kansas: Kans. Geol. Survey Bull. 183, 46 p., 1 pl.
- Lane, C. W., and Miller, D. E., 1965, Geohydrology of Sedgwick County, Kansas: Kans. Geol. Survey Bull. 176, 100 p., 4 pls.
- Miller, D. E., 1966, Geology and ground-water resources of Miami County, Kansas: Kans. Geol. Survey Bull. 181, 66 p., 3 pls.
- Nuzman, C. E., and Meyer, W. R., 1965, Water-level changes in Grant and Stanton Counties, Kansas, 1939-1965: Kans. Geol. Survey Spec. Distrib. Pub. 18, 11 p.
- Roberts, R. S., and Hodson, W. G., 1966, Bibliography and index of ground water in Kansas: Kans. Geol. Survey Bull. 182, 41 p.
- Winslow, J. D., Nuzman, C. E., and Fader, S. W., 1964, Water-level changes in Grant and Stanton Counties, 1939-1964: Kans. Geol. Survey Spec. Distrib. Pub. 10, 11 p.
- Winslow, J. D., and Nuzman, C. E., 1966, Electronic simulation of ground-water hydrology in the Kansas River valley near Topeka, Kansas: Kans. Geol. Survey Spec. Distrib. Pub. 29, 24 p.



# MINNESOTA

The observation-well program in Minnesota was continued during 1962 through 1966 in cooperation with the Division of Waters of the State Department of Conservation, the Department of Iron Range Resources and Rehabilitation, and the Board of County Commissioners of Hennepin County. Figure 5 shows the location of wells included in this report.

## Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management's system of land subdivision. Each well number is made up of three segments. The first segment indicates the township, the second the range, and the third the section in which the well is situated. The letters after the section number, which are assigned in a counterclockwise direction (beginning with the letter "a" in the northeast quarter), represent subdivisions of the section. The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. The letter "B" before the township number designates a well in the northwest quadrant of the fourth principal meridian and base-line system. (If the well is in the northwest quadrant of the fifth principal meridian and base-line system, no letter is included.) Numbers are added as suffixes to distinguish wells in the same tract. Thus, the number 108.30.9add designates the well in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 9, T. 108 N., R. 30 W.

## Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated.

### Brown County

441030N0942550.1. Local number 108.30.9add. Erwin Kjelshus. Drilled unused water-table well in glacial drift, diam 16 in, depth 32 ft. MP top of concrete cover, 0.40 ft above lsd. Highest water level 2.70 below lsd, May 2, 1951; lowest 17.68 below lsd, Feb. 28, 1956. Records available: 1942-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1962	8.01	Oct. 24, 1962	7.24	July 30, 1963	5.03	May 5, 1964	5.03
10	8.20	Nov. 1	7.35	Aug. 5	4.64	11	3.60
17	8.30	8	7.54	13	5.03	18	3.62
23	8.30	14	7.63	21	5.55	26	4.20
29	8.39	21	7.68	27	5.47	June 1	4.47
Feb. 5	8.55	28	7.87	Sept. 4	5.87	9	4.75
12	8.40	Dec. 4	7.94	8	6.05	16	5.16
20	8.56	12	8.18	18	6.66	22	5.44
Mar. 1	8.68	18	8.18	25	5.73	30	6.11
8	8.64	27	8.48	Oct. 1	5.95	July 6	6.46
15	8.66	Jan. 2, 1963	8.45	9	6.34	11	6.62
22	8.58	8	8.51	16	6.59	20	6.59
30	3.63	15	8.75	22	6.15	28	6.73
Apr. 4	3.72	24	8.90	30	6.17	Aug. 3	7.18
10	3.90	29	9.06	Nov. 5	6.30	11	7.67
18	3.57	Feb. 5	9.32	14	6.60	18	8.10
24	3.94	11	9.51	19	6.68	27	8.35
May 2	4.26	20	9.84	24	6.79	Sept. 14	5.52
10	4.47	26	10.15	Dec. 3	6.86	22	4.87
15	4.57	Mar. 5	10.50	10	7.10	28	4.92
24	3.28	13	10.81	16	7.20	Oct. 13	5.43
31	3.94	19	10.38	24	7.22	20	5.57
June 6	4.12	26	9.54	31	7.42	27	5.76
13	4.03	Apr. 3	8.72	Jan. 6, 1964	7.52	Nov. 2	5.87
20	4.09	9	8.63	14	7.65	10	5.90
27	4.52	16	8.33	22	7.79	17	6.05
July 5	4.05	23	8.30	28	7.96	24	6.19
11	4.00	May 1	7.72	Feb. 5	7.88	30	6.35
18	4.48	7	7.35	11	8.12	Dec. 8	6.42
24	4.44	14	6.90	17	8.12	14	6.54
31	4.75	21	6.91	24	8.20	22	6.54
Aug. 14	5.40	29	6.74	Mar. 2	8.38	29	6.71
21	5.90	June 4	6.45	9	8.52	Jan. 5, 1965	6.90
29	6.40	11	5.81	16	8.24	11	6.96
Sept. 3	6.24	19	5.69	23	8.12	18	7.18
19	6.98	26	6.17	30	8.19	25	7.30
25	7.19	July 2	6.62	Apr. 6	7.92	Feb. 2	7.56
Oct. 2	7.05	9	6.63	14	6.86	9	7.74
9	6.98	16	7.17	20	5.42	16	7.96
17	7.09	23	5.42	28	5.10	23	8.16

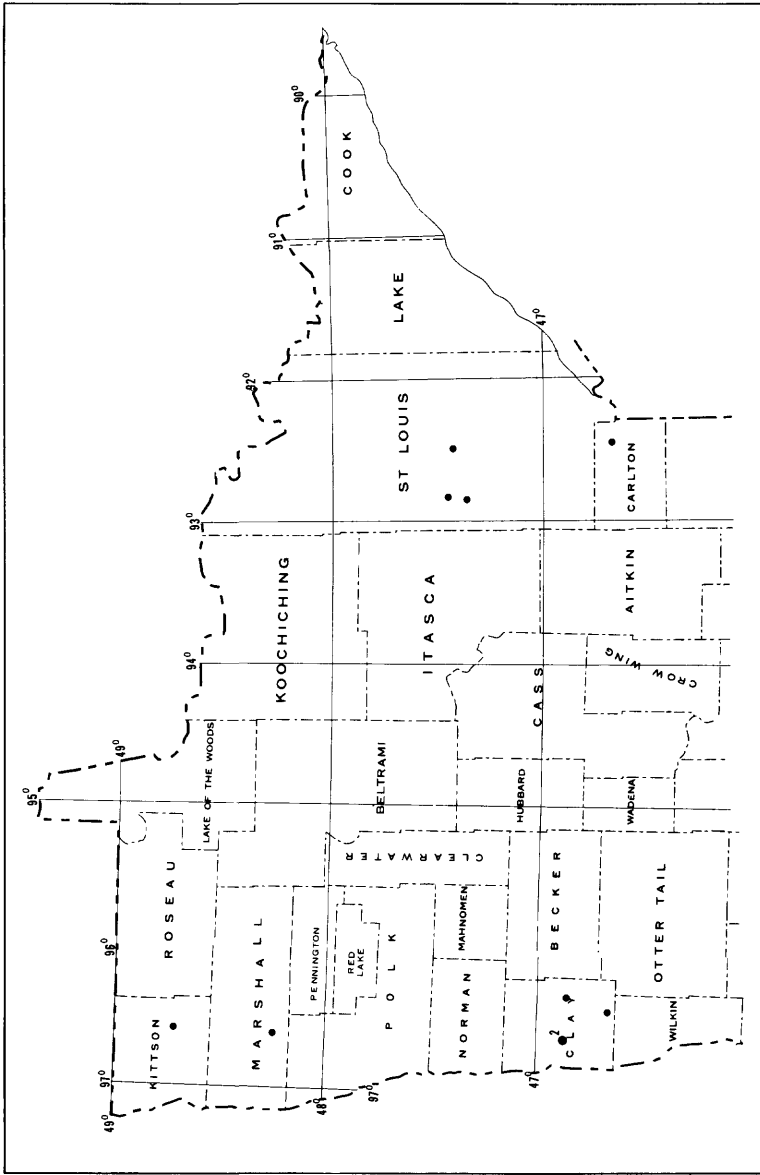
441030N0942550.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 4, 1965	8.31	Aug. 23, 1965	7.18	Feb. 16, 1966	5.19	July 26, 1966	5.69
9	8.36		6.90	22	5.52	Aug. 1	6.23
16	8.28	Sept. 13	7.19	Mar. 1	5.45		6.67
24	8.34	21	6.05	9	5.41	19	6.98
Apr. 8	6.52	28	5.47	14	5.31	23	6.86
13	4.06	Oct. 5	4.25	21	5.32	30	7.34
20	4.38	12	4.55	29	4.56	Sept. 9	7.67
27	3.77	21	4.62	Apr. 5	4.23	15	7.57
May 4	3.98	27	4.76	11	4.40	22	7.90
11	3.52	Nov. 2	4.84	19	4.29	27	8.25
18	3.82	11	5.07	26	4.25	Oct. 5	8.70
25	3.27	16	5.04	May 4	4.39	12	9.10
June 1	3.84	23	5.22	10	4.52	18	7.13
7	3.76	30	5.22	16	4.40	25	6.74
14	4.10	Dec. 7	5.29	24	4.60	Nov. 2	6.71
21	4.48	13	4.39	31	4.82	9	6.69
28	4.43	20	4.49	June 6	4.98	16	6.74
July 5	4.83	27	4.70	14	5.29	22	6.78
13	5.12	Jan. 3, 1966	4.84	21	5.51	29	6.93
20	5.63	10	5.06	28	5.32	Dec. 6	6.89
27	6.18	18	5.17	July 5	5.79	13	7.09
Aug. 5	6.85	26	5.33	12	5.55	20	7.17
11	7.22	Feb. 2	5.57	21	5.38	28	7.21
17	7.60	10	4.58				

Carlton County

464250N0922742.1. Local number B49.17.23caa. City of Cloquet. Drilled unused water-table well in glacial sand and gravel, diam 12 in, depth 51 ft, screened 26-46. MP top of wood platform, 1.40 ft above lsd. Highest water level 4.66 below lsd, Aug. 17, 1953; lowest 16.59 below lsd, Mar. 9, 1964. Records available: 1948-66. Measured by Warren Hebert and Russell Mitchell.

Jan. 2, 1962	14.67	Jan. 23, 1963	15.13	Jan. 6, 1964	16.17	Dec. 7, 1964	15.31
8	14.76	28	15.19	13	16.24	14	15.25
15	14.82	Feb. 5	15.29	20	16.29	21	15.33
24	14.90	11	15.28	27	16.36	28	15.45
29	14.96	18	15.39	Feb. 3	16.38	Jan. 4, 1965	15.55
Feb. 5	15.02	26	15.46	12	16.45	11	15.64
12	15.10	Mar. 4	15.51	17	16.49	18	15.75
19	15.17	11	15.55	24	16.54	25	15.85
Mar. 19	14.70	18	15.61	Mar. 2	16.57	Feb. 1	15.93
26	14.35	25	15.51	9	16.59	8	16.03
Apr. 2	14.10	Apr. 1	15.33	16	16.49	15	16.11
9	14.03	8	15.15	23	16.43	22	16.19
24	13.91	15	15.13	30	16.39	Mar. 1	16.27
30	13.82	22	15.12	Apr. 6	16.34	8	16.25
May 8	13.88	29	15.08	13	16.14	15	16.27
22	13.18	May 6	14.99	20	15.88	22	16.36
28	12.66	13	14.88	27	15.60	29	16.45
June 5	12.74	20	14.80	May 4	15.33	Apr. 5	16.27
11	12.91	27	14.92	11	14.91	12	14.54
July 2	12.87	June 3	15.01	18	14.71	19	13.68
9	12.79	10	15.07	25	14.51	26	13.62
17	12.99	17	15.14	June 1	14.47	May 3	13.79
24	13.15	24	15.11	8	14.56	10	13.82
30	13.23	July 1	14.81	15	14.59	17	13.73
Aug. 9	13.18	8	14.93	21	14.79	24	13.57
13	12.73	15	15.12	29	14.51	June 1	13.66
20	12.77	29	15.45	July 6	14.64	7	13.41
27	12.91	Aug. 5	15.16	13	14.90	14	13.33
Sept. 4	13.00	12	15.16	20	15.20	21	13.24
10	12.83	19	14.69	27	15.42	28	13.47
17	12.70	26	14.84	Aug. 3	15.57	July 6	13.55
24	12.94	Sept. 3	14.93	10	15.68	12	13.50
Oct. 1	13.18	9	15.08	17	15.71	19	13.46
8	13.34	16	15.14	24	15.56	26	13.55
15	13.51	30	15.20	31	15.01	Aug. 2	13.48
22	13.70	Oct. 7	15.36	Sept. 8	14.38	9	13.40
29	13.87	14	15.52	14	13.76	16	13.52
Nov. 5	14.03	21	15.65	21	13.90	23	13.66
12	14.14	28	15.58	28	13.97	30	13.54
19	14.26	Nov. 4	15.70	Oct. 5	14.10	Sept. 7	13.57
26	14.38	11	15.79	12	14.26	13	13.56
Dec. 3	14.46	18	15.87	19	14.44	20	13.17
10	14.54	25	15.67	26	14.60	27	13.20
17	14.64	Dec. 2	15.86	Nov. 2	14.73	Oct. 4	13.06
24	14.76	10	15.93	9	14.88	11	13.12
31	14.84	16	15.98	16	14.81	20	12.92
Jan. 7, 1963	14.92	23	16.03	23	14.95	25	12.98
13	15.00	30	16.14	30	15.21	Nov. 8	12.81





464250N09227 42.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 15, 1965	12.67	Feb. 21, 1966	13.04	May 31, 1966	11.27	Sept. 12, 1966	9.95
22	12.76	28	13.03	6	11.10	19	10.09
29	12.92	Mar. 7	13.09	13	11.07	26	10.01
Dec. 5	13.02	14	12.90	20	11.11	Oct. 3	10.07
13	12.86	21	12.31	27	10.79	10	10.12
20	12.77	28	12.21	July 11	10.34	17	10.05
27	12.92	Apr. 4	12.04	18	10.22	24	10.06
Jan. 3, 1966	12.89	11	12.03	25	10.20	31	10.09
10	12.97	18	12.00	Aug. 1	10.25	Nov. 7	10.27
17	13.05	25	11.82	8	9.77	14	10.47
24	13.11	May 2	11.60	15	9.63	21	10.50
31	13.16	8	11.61	22	9.52	28	10.62
Feb. 7	13.22	16	11.49	29	9.52	Dec. 12	10.77
14	12.85	23	11.22	Sept. 6	9.91	19	10.77

## Clay County

463854N0962507.1. Local number 137.45.30cdbl. City of Barnesville. Drilled unused water-table well in glacial drift, diam 10 in, depth 73 ft. MP top of casing, 1.50 ft above led. Highest water level 1.86 below led, June 9, 1962; lowest 9.24 below led, Apr. 9, 23, 1966. Records available: 1949-66.

Jan. 6, 1962	6.64	Feb. 24, 1963	5.46	Apr. 25, 1964	4.24	July 10, 1965	5.18
13	6.68	Mar. 2	5.68	May 2	4.27	17	5.26
27	6.70	9	5.82	9	4.24	24	5.27
Feb. 3	6.74	16	5.88	16	4.66	31	5.42
10	6.82	23	6.02	23	5.12	Aug. 7	5.53
17	6.86	30	6.16	June 6	5.64	14	5.86
24	6.92	Apr. 6	6.18	13	5.74	21	6.06
Mar. 3	7.06	13	6.04	20	6.08	28	6.12
10	7.18	20	5.87	July 3	5.97	Sept. 3	6.22
17	7.21	27	5.82	11	5.92	11	6.35
24	6.98	May 4	5.67	18	6.04	18	6.07
31	6.12	11	5.61	25	6.29	25	6.02
Apr. 7	5.83	18	5.67	Aug. 1	6.30	Oct. 2	6.76
14	5.76	25	5.54	8	6.42	11	7.11
21	5.62	June 8	3.67	22	6.12	18	7.46
28	5.24	15	4.09	29	6.16	23	7.82
May 5	5.04	22	4.74	Sept. 5	6.24	30	8.08
12	5.12	July 6	5.18	12	6.21	Nov. 6	7.86
19	2.96	13	5.52	19	6.24	13	7.72
26	2.82	21	5.56	26	6.02	20	8.61
June 2	3.16	27	5.77	Oct. 2	5.98	27	8.61
9	1.86	Aug. 3	5.82	17	6.12	Dec. 4	9.15
16	2.08	10	6.07	24	6.14	11	8.78
23	2.98	17	6.09	Nov. 1	6.08	18	8.87
30	3.72	24	5.97	7	6.18	24	8.85
July 7	2.92	31	5.68	21	6.10	31	8.84
14	3.83	Sept. 7	5.76	28	6.14	Jan. 8, 1966	8.91
21	3.64	14	5.94	Dec. 6	6.20	15	8.96
28	3.58	21	5.98	12	6.24	22	8.96
Aug. 4	3.77	28	6.07	19	6.32	29	8.98
11	3.94	Oct. 5	6.15	26	6.38	Feb. 5	9.02
18	4.52	12	6.23	Jan. 2, 1965	6.42	12	9.14
25	4.92	19	6.14	9	6.47	26	9.18
Sept. 1	4.53	26	6.26	16	6.53	Mar. 5	9.20
9	5.52	Nov. 2	6.29	23	6.55	12	9.18
15	5.72	9	6.31	31	6.58	19	9.03
22	4.91	16	6.27	Feb. 6	6.63	27	9.12
29	5.16	24	6.25	13	6.64	Apr. 2	9.22
Oct. 6	5.08	29	6.26	20	6.68	9	9.24
13	5.23	Dec. 9	6.22	27	6.67	16	9.23
20	5.36	14	6.24	Mar. 6	6.70	23	9.24
27	5.30	21	6.30	14	6.69	30	8.97
Nov. 3	5.42	28	5.77	20	6.68	May 9	8.70
10	5.43	Jan. 4, 1964	6.36	27	6.66	14	8.66
17	5.40	11	6.42	Apr. 4	6.62	21	8.63
24	5.52	18	6.45	10	6.14	28	8.65
Dec. 1	5.46	25	6.42	17	4.96	June 4	8.71
8	5.53	Feb. 1	6.53	24	4.82	11	8.72
15	5.42	8	6.58	May 1	4.77	18	8.77
22	5.44	15	6.62	8	4.72	25	8.86
29	5.42	22	6.64	15	4.67	July 2	8.77
Jan. 5, 1963	5.40	Mar. 7	6.56	22	4.94	9	8.87
12	5.44	15	6.46	29	4.61	23	8.89
19	5.42	21	6.37	June 5	4.61	30	8.96
26	5.44	28	6.46	12	4.58	Aug. 6	8.97
Feb. 2	5.40	Apr. 4	6.02	19	4.76	13	8.95
9	5.44	11	5.82	26	4.78	20	8.78
16	5.40	18	4.74	July 3	4.82	27	8.68

463854N0962507, 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 3, 1966	8.72	Oct. 1, 1966	9.08	Nov. 5, 1966	9.14	Dec. 10, 1966	9.20
10	8.89	8	9.17	12	9.16	17	9.22
17	8.96	15	9.12	19	9.20	24	9.20
24	9.02	29	9.14	26	9.18	31	9.22

465245N0961910, 1. Local number 139.45.10cd2. Village of Hawley. Drilled unused water-table well in glacial drift, diam 10 in, depth 122 ft. MP top west side of casing, 2.05 ft above lsd. Highest water level 12.09 below lsd, Aug. 6, 1955; lowest 20.46 below lsd, Aug. 9, 1961. Records available: 1949-66. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.79	18.90	18.61	17.42	17.70	16.28	16.75	17.76	18.38	18.32	18.51	18.57
10	18.73	18.60	18.68	17.47	17.87	14.52	16.48	18.12	18.20	18.27	18.49	18.62
15	18.80	18.59	18.60	17.25	17.87	16.25	16.97	17.85	18.21	18.32	18.47	18.70
20	18.72	18.61	18.67	17.31	16.60	15.53	17.33	18.16	18.29	18.43	18.49	18.71
25	18.72	18.60	18.61	17.33	15.80	16.41	17.55	18.30	18.26	18.46	18.56	18.66
Eom	18.57	18.56	18.21	17.43	15.77	17.09	17.76	18.55	18.19	18.47	18.52	18.72

1963

5	18.75	18.78	18.87	17.89	18.04	17.43	18.52	18.64	17.37	18.37	18.58	18.81
10	18.60	18.78	18.84	17.94	18.13	17.45	18.58	18.60	18.78	18.40	18.57	18.79
15	18.77	18.89	18.80	18.11	18.15	17.57	18.61	17.45	17.89	18.43	18.63	18.73
20	18.77	18.84	18.66	18.12	18.21	17.86	18.69	17.77	18.07	18.46	18.66	18.71
25	18.73	18.90	18.42	18.25	18.32	18.15	18.70	17.88	18.17	18.43	18.70	18.37
Eom	18.76	18.90	18.08	18.03	17.73	18.30	18.63	17.23	18.23	19.01	18.73	18.53

1964

5	18.89	18.91	18.70	.....	16.57	.....	18.35	18.67	18.50	18.32	18.66	18.77
10	18.79	18.93	18.81	.....	16.47	.....	18.47	18.70	18.42	18.36	18.66	18.84
15	18.89	18.92	18.35	.....	16.82	18.20	18.58	18.64	18.45	18.55	18.52	18.72
20	18.89	18.87	18.56	15.28	17.10	17.91	18.45	18.75	18.36	18.47	18.68	18.68
25	18.90	18.82	18.66	15.65	17.48	17.88	18.58	18.52	18.22	18.59	18.72	18.65
Eom	18.88	18.90	.....	16.20	17.72	18.21	18.70	18.55	18.22	18.72	18.77	18.67

1965

5	18.75	18.64	18.66	18.22	17.05	17.62	18.55	18.57	18.50	18.12	18.35	18.70
10	18.63	18.70	18.70	.....	17.23	17.66	18.55	18.45	18.58	18.00	18.29	18.74
15	18.71	18.71	18.75	14.98	17.25	17.69	18.59	18.46	18.02	18.36	18.46	18.62
20	18.72	18.62	18.50	15.50	17.41	17.79	18.75	18.72	18.27	18.22	18.57	18.60
25	18.70	18.71	18.65	15.86	17.56	18.00	18.50	18.63	18.16	18.30	18.62	18.39
Eom	18.51	18.57	18.72	16.69	17.49	18.19	18.50	18.50	18.12	18.25	18.66	18.62

1966

5	18.68	.....	18.00	15.70	16.34	17.27	17.95	17.25	17.72	18.17	18.16	18.43
10	18.62	.....	17.78	16.22	16.63	17.47	17.79	17.53	17.82	18.17	18.18	18.40
15	18.63	.....	16.86	16.66	16.78	17.63	17.92	17.10	17.94	18.57	18.28	18.40
20	18.70	.....	15.47	17.03	16.88	17.83	19.03	17.30	18.03	17.94	19.39	18.41
25	.....	18.82	15.17	17.12	17.04	17.80	17.88	17.13	18.11	18.02	18.25	18.37
Eom	.....	18.92	15.46	16.13	17.23	17.90	17.90	17.56	18.10	18.18	18.19	18.42

465226N0963936, 1. Local number 139.47.50dc. City of Moorhead. Drilled observation water-table well in glacial sand and gravel, diam 8 in, depth 131 ft, slotted 91-107. MP wood floor of instrument shelter, 3.60 ft above lsd. Highest water level 12.19 below lsd, July 15, 1947; lowest 30.11 below lsd, June 6, 7, 1961. Records available: 1947-66. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.95	27.97	27.68	27.28	27.19	26.71	26.83	27.14	27.28	26.73	26.32	25.78
10	28.02	28.00	27.65	27.17	27.29	26.92	26.76	.....	27.12	26.68	26.10	25.86
15	28.01	27.93	27.60	27.41	27.30	26.55	26.78	27.15	26.99	26.69	25.95	26.22
20	.....	27.89	27.48	27.71	27.23	26.34	26.89	27.16	26.87	27.06	26.10	26.20
25	.....	.....	27.44	27.76	26.94	26.30	26.83	27.28	26.87	27.03	25.74	26.28
Eom	27.94	.....	27.34	27.36	26.73	26.64	26.86	27.37	26.75	26.48	25.72	26.32

1963

5	26.34	26.22	26.52	25.87	25.23	26.32	26.62	26.92	26.37	26.57	26.11	.....
10	26.40	26.18	26.32	25.77	25.15	26.19	26.68	26.96	26.62	26.74	25.97	.....
15	26.35	26.15	26.04	25.70	25.65	26.07	26.77	26.89	26.71	26.78	25.84	.....
20	26.33	.....	25.91	25.91	25.96	26.22	26.78	26.78	26.74	.....	26.08	.....
25	26.31	26.22	25.84	26.04	26.20	26.40	26.83	26.82	26.80	.....	.....	25.48
Eom	26.22	26.38	25.88	25.84	26.34	26.52	26.89	26.47	.....	26.22	.....	25.47

1964

5	25.40	25.22	25.26	25.39	24.80	25.93	25.94	26.45	26.53	26.66	25.24	24.92
10	25.42	25.40	25.14	25.11	24.96	25.89	25.71	26.51	26.48	26.66	25.06	25.04
15	.....	25.14	.....	.....	.....	25.96	25.86	26.49	26.54	26.69	24.96	25.08
20	.....	25.68	25.20	24.47	25.16	25.94	26.14	26.47	26.48	26.56	24.80	25.10
25	25.37	25.47	25.42	24.67	25.32	25.52	26.21	26.39	26.50	25.64	24.73	25.20
Eom	25.32	25.30	25.51	24.75	25.76	25.76	26.30	26.47	26.59	25.44	24.73	25.29

1965

5	25.16	24.98	.....	.....	.....	24.88	.....	25.22	25.26	25.35	25.23	25.18
10	25.18	24.98	.....	.....	.....	24.94	.....	25.14	25.22	25.35	25.25	25.18
15	25.18	25.02	.....	h25.29	.....	24.96	25.41	25.31	25.32	25.41	.....	25.16
20	25.13	.....	.....	.....	25.03	.....	25.60	25.42	25.24	25.34	.....	25.14
25	25.02	.....	.....	.....	24.96	.....	25.44	25.45	25.19	25.30	.....	25.10
Eom	25.03	.....	.....	.....	24.91	.....	25.28	25.22	25.29	25.26	.....	25.04

465226N0963836, 1--Continued.

Lowest water level for the day, from recorder graph, 1966

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.11	25.15	25.13	24.92	24.62	24.92	24.79	24.77	24.52	24.56	24.82	24.73
10	25.10	25.16	25.16	24.82	24.65	24.85	24.88	24.62	24.56	24.81	24.78	24.77
15	25.20	25.13	25.15	24.75	24.64	24.75	25.05	24.50	24.55	24.90	24.82	24.73
20	25.16	25.20	25.04	24.63	24.62	24.81	25.23	24.46	24.61	24.89	24.78	24.65
25	.....	25.16	24.95	24.68	24.76	24.85	25.19	24.41	24.64	24.94	24.72	24.83
Eom	25.22	25.13	24.91	24.66	24.84	24.74	24.92	24.46	24.56	24.86	24.72	24.61

h Tape measurement.

465316N0963904.1. Local number 139.47.6aaa. U.S. Geol. Survey. Drilled observation water-table well in glacial gravel, diam 3 in, depth 103 ft, casing slotted near bottom. MP top of casing 2.50 ft above lsd. Highest water level 1.88 below gravel, May 21, 1966; lowest 27.58 below lsd, July 18, Sept. 12, Oct. 10, 1961. Records available: 1949-66. Water levels affected by pumping. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1962	27.19	Feb. 21, 1963	25.27	Mar. 19, 1964	25.08	May 14, 1965	24.78
Feb. 28	27.35	Mar. 20	25.30	Apr. 20	24.90	June 14	24.71
Mar. 28	27.27	Apr. 21	25.21	May 18	24.74	July 15	24.76
Apr. 24	26.81	May 18	25.15	June 12	24.86	Aug. 13	24.78
May 23	26.66	June 13	25.09	July 9	24.72	Sept. 16	24.82
June 18	26.07	July 11	25.16	Aug. 9	25.11	Oct. 7	24.78
July 16	25.60	Aug. 12	25.38	Sept. 4	24.75	Nov. 3	24.81
Aug. 13	25.65	Sept. 10	25.32	Oct. 27	25.38	Dec. 1	24.87
Sept. 11	25.33	27	25.38	Nov. 24	25.18	Jan. 2, 1966	24.57
Oct. 3	25.42	Oct. 29	25.50	Dec. 19	25.07	27	24.79
30	25.40	Nov. 26	25.44	Jan. 18, 1965	25.05	Feb. 24	24.83
Nov. 28	25.26	Dec. 23	25.16	Feb. 15	25.02	Mar. 22	24.78
Dec. 29	24.65	Jan. 24, 1964	25.18	Mar. 19	24.85	Apr. 18	24.55
Jan. 26, 1963	25.11	Feb. 20	25.12	Apr. 15	24.94		

## Dakota County

445353N0930213.1. Local number B28.22.22bdd1. Chicago Great Western Ry. Drilled unused artesian well in Jordan Sandstone of Late Cambrian age, diam 10 in, reported depth 300 ft. MP top of wood platform, 3.90 ft below lsd. Highest water level 8.00 below lsd, Apr. 14, 1952; lowest 23.10 below lsd, Aug. 6, 1964. Records available: 1951-64. Water levels affected by regional pumping. Measurement discontinued.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	17.62	19.10	20.03	18.32	.....	15.08	17.49	16.84	17.52	17.35	18.26	18.83
10	18.16	19.65	19.63	15.83	.....	15.03	17.70	17.88	17.33	17.85	18.20	18.80
15	18.66	19.84	20.05	15.07	.....	16.22	17.05	17.57	17.48	17.70	17.57	18.63
20	18.58	20.42	20.28	16.05	18.06	16.67	17.20	19.02	17.50	17.10	18.78	18.62
25	19.33	19.73	19.52	17.03	16.93	.....	17.12	18.23	17.38	17.23	17.92	17.06
Eom	19.05	20.27	19.50	17.00	14.95	.....	17.06	17.82	16.93	18.27	18.76	16.76
1963												
5	16.47	15.70	15.40	16.62	16.60	17.60	.....	20.00	19.23	18.38	.....	17.91
10	16.67	15.37	15.16	16.97	17.12	16.72	21.48	20.40	19.10	18.62	.....	17.71
15	16.11	15.62	15.37	16.93	16.93	16.05	20.86	19.53	18.33	18.52	.....	17.45
20	15.73	15.73	15.53	17.03	16.83	17.55	19.71	20.54	18.79	17.98	.....	17.68
25	15.85	15.48	15.17	17.11	17.25	.....	21.35	19.22	18.60	18.17	.....	16.95
Eom	15.74	15.56	15.03	17.27	17.27	.....	19.90	19.67	18.28	.....	17.27	17.62
1964												
5	17.40	17.91	.....	17.27	17.22	19.73	.....	23.06	.....	.....	.....	.....
10	17.96	17.87	.....	17.92	16.15	19.87	21.32	21.43	.....	.....	.....	.....
15	.....	17.80	17.65	17.68	15.95	19.35	21.75	20.50	.....	.....	.....	.....
20	17.93	18.10	17.90	17.17	17.10	19.12	22.54	21.47	.....	.....	.....	.....
25	17.78	.....	17.72	16.95	18.15	.....	21.25	19.63	.....	.....	.....	.....
Eom	18.17	.....	17.74	17.67	18.35	.....	21.15	18.95	.....	.....	.....	.....

## Hennepin County

445842N0931308.1. Local number B29.23.19cdd1. Great Northern Ry. Drilled unused artesian well in sandstones of late Precambrian and Late Cambrian age, diam 8 to 6 in, reported depth 1,016 ft, slotted 925-1,016. MP wood floor of instrument shelter, 3.40 ft above lsd. Highest water level 142.19 below lsd, July 7, 1957; lowest 212.47 below lsd, Sept. 16, 1966. Records available: 1954-66. Water levels affected by regional pumping.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	163.25	162.77	161.32	160.02	159.92	160.37	163.60	164.80	166.20	164.20	162.93	162.13
10	163.47	162.89	161.01	159.79	159.82	160.97	163.64	165.85	165.49	163.77	162.71	162.47
15	163.12	162.54	161.02	159.84	160.38	161.38	164.17	165.81	165.96	164.01	162.19	162.48
20	163.20	162.43	160.53	159.42	161.15	163.82	164.79	166.22	165.90	164.16	161.92	162.82
25	162.62	162.27	160.66	158.72	161.28	162.83	164.76	166.50	164.97	163.82	162.22	162.46
Eom	162.79	162.32	160.25	159.11	160.93	163.30	164.91	167.09	164.46	163.26	162.23	162.18

445842N0931308.1--Continued.

Lowest water level for the day, from recorder graph, 1963												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	161.92	163.42	164.21	168.49	171.51	173.05	176.90	183.39	183.80	181.85	186.01	184.78
10	162.32	163.61	164.38	169.78	.....	174.12	177.56	183.73	183.85	183.56	189.16	184.11
15	162.38	164.04	164.59	170.16	.....	174.22	179.00	184.50	183.27	184.33	185.80	.....
20	162.45	164.04	166.51	170.66	172.27	175.60	180.01	184.33	183.02	.....	185.70	.....
25	162.91	164.39	167.90	170.58	172.70	175.87	181.72	184.26	182.43	185.13	185.93	.....
Eom	162.82	164.30	166.18	170.86	172.86	175.82	182.50	184.17	182.08	186.45	185.58	.....
1964												
5	.....	181.38	181.79	181.16	181.36	184.24	192.34	201.65	204.73	200.83	196.91	195.03
10	.....	182.28	181.70	180.76	182.06	185.38	194.28	202.71	204.57	200.22	195.93	194.26
15	.....	182.23	181.74	180.51	182.00	186.63	195.14	202.97	203.92	198.98	196.19	194.47
20	181.35	182.18	181.80	181.33	182.33	188.21	196.35	203.85	203.18	198.90	195.97	194.35
25	181.66	181.64	181.61	181.72	183.00	190.08	197.82	204.20	202.31	198.07	195.28	193.45
Eom	181.78	181.74	181.23	181.56	183.58	191.50	200.09	204.74	201.48	197.52	195.30	192.87
1965												
5	192.21	193.02	192.03	190.50	190.36	191.55	193.94	199.21	202.57	201.34	200.75	198.40
10	192.88	193.37	191.74	190.36	191.40	193.37	194.00	200.25	201.87	201.13	200.08	198.31
15	193.10	193.35	191.47	190.09	191.90	192.53	195.18	200.97	201.33	201.41	199.63	197.60
20	192.33	193.18	191.47	189.75	192.14	192.00	196.10	202.34	201.21	202.60	199.31	197.13
25	192.23	192.70	190.98	190.15	191.78	193.29	196.94	202.43	201.78	202.88	198.95	197.27
Eom	192.95	192.45	190.74	190.10	192.00	193.93	198.04	202.71	201.40	201.69	198.37	196.13
1966												
5	195.82	.....	193.05	192.55	194.80	197.13	202.86	209.85	211.81	211.21	208.87	203.67
10	195.61	193.48	191.61	192.88	195.51	198.00	203.76	210.30	211.80	211.00	207.70	204.36
15	195.20	193.38	192.37	192.97	196.16	200.25	206.21	210.21	212.39	210.85	207.30	203.50
20	194.80	193.81	192.60	192.90	196.78	199.76	207.55	211.10	211.75	210.15	206.74	202.70
25	194.51	193.16	192.62	193.10	196.45	201.21	208.34	211.02	211.81	210.05	205.65	202.52
Eom	.....	192.81	192.30	194.25	196.94	202.20	208.97	211.53	211.64	209.12	204.39	201.10

445824N0931303.1. Local number B29.23.30bdl. Tescom Corporation. 2633 4th St. SE., Minneapolis. Drilled unused artesian well in Jordan Sandstone of Late Cambrian age, diam 8 in, depth 445 ft, reported cased to 262. MP top of wood platform, 12.20 ft below lsd. Highest water level 77.9 below lsd, Apr. 21, Dec. 26, 1952; lowest 143.9 below lsd, Aug. 6, 1964. Records available: 1952-66. Water levels affected by regional pumping.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	103.5	102.5	101.6	107.8	119.6	115.7	118.4	120.7	112.2	118.3	106.6	109.2
10	105.2	104.7	104.3	106.1	111.0	115.5	120.7	129.2	113.5	121.2	107.8	108.0
15	100.7	104.1	104.6	105.0	124.2	125.4	114.0	128.0	122.6	122.6	109.0	108.5
20	103.6	104.5	105.1	108.4	120.0	123.0	122.2	127.5	115.4	116.9	108.3	107.8
25	104.4	102.2	104.4	114.1	118.8	121.3	119.6	129.6	114.8	111.8	103.3	94.9
Eom	103.6	104.4	105.5	108.8	111.7	123.4	121.2	123.9	110.6	109.6	110.2	97.9
1963												
5	104.2	105.0	104.7	111.0	109.5	128.7	127.1	127.7	118.0	124.2	111.5	107.1
10	106.8	101.5	101.5	109.9	125.6	121.7	135.9	.....	123.9	126.2	108.4	106.7
15	105.4	106.5	106.0	110.0	112.9	124.3	.....	.....	105.8	123.3	110.8	102.7
20	103.4	107.6	106.2	110.6	109.5	130.7	136.5	.....	119.3	120.9	110.9	106.7
25	106.8	102.5	104.3	111.9	112.7	132.3	140.1	.....	114.8	129.6	106.0	98.6
Eom	106.0	105.5	104.2	111.2	118.1	128.3	.....	.....	119.9	114.0	104.0	102.2
1964												
5	98.9	108.1	110.5	103.9	118.5	125.7	123.3	143.1	.....	111.1	114.2	110.4
10	.....	107.2	108.5	108.6	113.9	130.8	137.1	132.0	129.2	112.1	112.2	110.5
15	.....	107.6	106.6	109.4	122.9	129.3	134.4	126.9	117.9	119.1	109.5	106.5
20	.....	109.5	110.4	109.4	123.6	125.7	138.1	.....	122.0	113.0	111.2	104.0
25	103.6	108.8	110.2	112.2	128.1	132.9	137.4	123.1	116.9	109.5	110.2	96.3
Eom	107.6	108.6	106.6	113.2	111.3	136.7	138.1	126.6	115.1	113.2	108.5	105.2
1965												
5	106.3	107.3	108.0	105.4	116.3	123.1	114.8	.....	113.4	110.4	111.8	.....
10	104.0	107.3	108.1	110.0	112.5	126.3	123.3	.....	120.0	105.9	109.4	108.5
15	107.3	103.6	106.0	108.2	121.3	125.3	128.9	132.4	113.7	111.4	105.3	109.3
20	105.7	106.5	107.2	103.5	120.2	123.0	130.0	.....	109.3	120.2	106.9	103.6
25	105.3	107.0	108.1	102.1	123.9	128.6	128.6	122.7	108.9	110.5	106.4	98.2
Eom	102.1	102.9	107.0	115.5	109.5	128.7	133.2	119.0	112.7	107.6	.....	103.4
1966												
5	106.1	106.5	107.8	105.7	116.2	122.9	.....	142.0	.....	116.0	110.1	104.7
10	103.8	108.4	108.7	101.5	112.7	126.2	132.5	.....	.....	.....	110.5	103.6
15	105.0	107.3	109.2	.....	106.3	127.5	137.5	.....	.....	118.0	109.5	104.4
20	104.2	103.7	105.0	109.9	116.5	.....	138.5	129.0	125.5	116.3	106.7	104.2
25	106.0	108.8	109.4	111.4	125.2	.....	.....	122.8	115.0	114.2	106.8	96.7
Eom	104.4	106.1	109.0	112.2	121.8	.....	133.2	.....	114.6	111.5	109.7	99.4

445808N0931623.1. Local number B29.24.27dba. City of Minneapolis. Auditorium. East Grant St. and 3d Ave. South. Drilled industrial artesian well in sandstones of Late Cambrian and Early Ordovician age, diam 20 in, depth 823 ft, reported cased to 275. MP top of breather pipe at pumpbase, 21.65 ft below lsd. Highest water level 59.0 below lsd, Jan. 11-12, Feb. 2, 1932; lowest 168.27 below lsd, Aug. 31, 1966. Records available: 1931-32, 1940-41, 1943-46, 1948-66. Water levels affected by regional pumping.



445808N0931623.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1962	93.93	July 2, 1962	101.15	May 14, 1963	98.69	Apr. 23, 1965	106.21
12	93.37	9	102.07	June 11	103.52	May 21	136.59
20	92.60	16	103.61	July 10	116.00	June 30	135.15
28	92.07	23	102.18	Aug. 5	115.97	July 16	158.04
Feb. 5	91.34	30	103.01	13	120.43	Aug. 13	162.21
12	91.33	Aug. 6	105.34	Sept. 3	112.55	Sept. 10	124.51
19	91.64	12	105.69	30	115.43	Oct. 11	108.87
25	91.41	19	105.48	Oct. 27	113.57	Nov. 9	105.68
Mar. 5	90.57	28	111.47	29	114.15	Dec. 9	103.79
12	89.63	Sept. 4	104.15	Nov. 22	111.00	20	99.19
19	89.97	11	103.83	Dec. 19	110.00	28	98.12
25	90.48	17	104.28	Jan. 17, 1964	109.00	Jan. 26, 1966	97.25
Apr. 2	90.38	24	103.65	Mar. 20	104.00	Feb. 24	102.01
9	89.68	Oct. 1	103.13	Apr. 30	110.74	Mar. 22	100.24
16	89.75	8	102.99	May 11	136.39	Apr. 14	106.47
23	90.05	15	105.35	June 5	131.18	May 12	108.05
30	91.41	26	102.78	July 2	159.50	June 14	127.06
May 7	93.86	Nov. 9	100.98	16	168.20	July 8	164.85
14	94.61	30	100.40	21	152.90	Aug. 3	156.23
20	96.45	Dec. 26	96.78	Aug. 25	131.59	31	168.27
28	95.27	Jan. 24, 1963	95.79	Sept. 24	119.23	Sept. 28	118.09
June 4	94.19	Feb. 19	95.00	Oct. 26	120.14	Oct. 28	110.83
13	97.84	Mar. 22	94.17	Jan. 27, 1965	101.80	Nov. 28	97.08
17	98.06	Apr. 2	98.25	Mar. 25	102.18	Dec. 22	98.85
25	106.68	13	95.85				

b Well pumped recently.

445615N0932123.1. Local number 117.21.16cca. City of St. Louis Park. Drilled unused artesian well in Jordan Sandstone of Late Cambrian age, diam 16 in, depth 421 ft, reported cased to 280. Lsd 916.82 ft above msl. MP floor of wellhouse, 0.70 ft above lsd. Highest water level 66.0 below lsd, Mar. 23, 1953; lowest 110.5 below lsd, July 31, 1959. Records available: 1953-66. Water levels affected by regional pumping.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	77.2	76.7	77.1	79.7	88.7	81.3	84.7	90.9	80.5	....	73.4	74.2
10	76.8	77.1	77.2	78.4	81.4	83.5	88.2	96.9	81.0	....	73.1	73.7
15	77.1	76.4	79.0	76.4	86.0	91.5	85.6	95.1	84.0	....	73.9	....
20	76.5	76.7	78.9	80.5	83.3	88.3	87.9	104.3	81.7	78.1	73.5	....
25	77.8	75.1	76.3	85.6	81.7	101.8	83.1	90.0	80.2	76.6	69.4	....
Eom	76.8	78.0	78.9	78.7	79.9	99.5	90.5	86.2	80.1	75.6	74.5	70.4
1963												
5	73.8	74.4	73.7	79.3	76.2	....	98.8	95.7	....	86.1	81.1	78.8
10	74.6	71.8	71.2	79.1	83.5	....	102.8	99.5	....	88.1	78.1	77.6
15	74.1	76.3	74.3	79.2	78.7	84.8	96.0	92.5	82.4	88.4	78.7	76.1
20	71.3	74.8	74.1	77.6	78.2	92.3	89.9	97.1	83.3	83.9	78.4	77.7
25	74.6	74.1	74.0	78.1	82.2	101.8	101.0	....	82.3	84.9	76.5	74.0
Eom	74.4	74.0	74.3	78.0	....	99.4	90.6	....	80.8	80.8	74.8	75.9
1964												
5	74.3	76.9	77.3	76.5	84.8	99.7	100.9	109.3	89.3	84.3	84.3	79.2
10	76.4	76.1	78.3	78.0	80.2	96.3	101.0	93.4	88.7	83.7	82.4	78.4
15	75.9	76.5	75.0	79.3	84.8	97.7	97.5	90.8	83.5	86.2	81.6	78.2
20	75.8	77.7	77.0	80.0	89.3	93.7	104.5	....	86.2	84.1	82.1	77.5
25	76.6	76.7	76.1	80.2	89.1	93.1	104.0	84.6	85.2	82.4	79.4	77.7
Eom	77.5	76.8	77.1	81.5	89.1	104.6	99.3	85.6	84.1	83.9	77.4	78.7
1965												
5	78.2	80.5	79.4	79.9	84.5	86.7	....	91.8	83.4	80.1	78.8	74.1
10	78.1	81.1	79.2	81.0	83.2	89.4	....	90.4	83.8	77.3	77.2	76.6
15	79.9	79.3	78.7	80.2	86.2	94.2	89.8	99.1	80.6	80.0	74.1	76.7
20	79.3	....	79.0	79.4	85.5	95.3	91.6	96.5	78.8	81.4	74.3	76.4
25	80.5	80.4	80.1	76.7	85.9	91.1	96.9	89.2	77.9	76.2	75.3	74.6
Eom	78.8	78.7	80.0	82.4	79.2	93.3	96.0	82.3	77.9	75.7	75.5	74.0
1966												
5	77.6	77.1	76.6	74.7	84.1	83.6	92.2	103.3	79.6	81.7	78.4	75.7
10	76.7	77.5	78.1	72.6	82.8	87.1	95.7	86.0	88.8	80.1	77.6	76.6
15	76.2	77.0	77.2	81.4	74.8	83.4	90.4	81.5	86.2	80.3	76.6	77.4
20	77.8	73.7	74.3	80.8	79.7	93.0	99.3	82.9	85.4	80.6	75.7	77.0
25	77.6	77.7	75.3	81.2	82.7	90.9	105.2	81.7	80.0	80.1	74.3	73.3
Eom	77.3	75.9	75.7	78.6	90.9	97.6	104.6	97.1	82.1	78.4	76.6	74.9

445832N0932918.1. Local number 117.22.5abd2. Hennepin County Highway Dept. Drilled observation artesian well in sandstones of Late Cambrian and Early Ordovician age, diam 6 in, depth 483 ft, cased to 201. Lsd 942.79 ft above msl. MP water floor of instrument shelter, 3.00 ft above lsd. Highest water level 38.51 below lsd, Nov. 23, 1954; lowest 76.48 below lsd, Sept. 23, 1960. Records available: 1953-64. Water levels affected by regional pumping. Measurement discontinued.

445832N0932918.1--Continued.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	43.27	.....	44.18	43.65	45.43	44.24	48.52	48.10	47.90	46.49	44.61	43.49
10	43.74	.....	44.23	43.81	45.38	45.93	47.70	48.99	47.12	45.20	43.85	43.64
15	43.60	43.89	43.58	43.84	45.09	45.73	48.12	48.68	47.15	45.19	.....	43.07
20	.....	43.81	43.82	43.90	45.66	46.46	47.59	51.22	47.07	45.20	.....	43.44
25	.....	43.86	43.65	44.60	44.99	47.86	47.49	51.00	45.56	45.50	.....	43.04
Eom	42.99	44.13	43.57	44.66	44.58	51.29	47.58	49.98	45.13	44.88	.....	43.07

1963

5	43.39	43.34	43.18	44.80	45.20	46.26	55.12	52.09	49.60	47.55	46.39	.....
10	43.65	43.14	43.18	45.03	45.79	47.69	55.99	53.97	49.28	48.36	46.09	.....
15	.....	43.30	43.13	44.43	45.52	46.85	55.07	52.07	49.11	48.60	45.75	.....
20	.....	43.36	43.29	45.08	45.57	49.02	52.33	52.68	47.73	48.77	45.65	.....
25	43.92	43.65	43.35	44.83	45.66	52.25	54.86	.....	46.65	47.64	45.89	.....
Eom	43.40	43.84	43.75	44.96	45.85	53.36	52.22	.....	46.25	46.67	45.52	.....

1964

5	43.94	43.51	43.79	47.23	48.56	55.22	.....	.....	.....	.....	.....	.....
10	43.52	43.65	44.04	47.52	49.00	.....	.....	.....	.....	.....	.....	.....
15	43.09	43.33	44.04	47.57	49.38	.....	.....	.....	.....	.....	.....	.....
20	42.82	43.85	44.17	48.65	50.20	.....	.....	.....	.....	.....	.....	.....
25	43.26	43.60	44.04	48.62	51.39	.....	.....	.....	.....	.....	.....	.....
Eom	43.53	43.30	46.74	48.94	52.52	.....	.....	.....	.....	.....	.....	.....

445711N0932913.2. Local number 117.22.8dbd2. Hennepin County Highway Dept. Drilled observation artesian well in Jordan Sandstone of Late Cambrian age, diam 6 in, depth 503 ft, cased to 228. Lsd 931.62 ft above msl. MP wood floor of instrument shelter, 4.30 ft above lsd. Highest water level 19.35 below lsd, Apr. 6, 1958; lowest 32.93 below lsd, May 3, 1959. Records available: 1953-64. Water levels affected by regional pumping. Measurement discontinued.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	21.65	21.31	.....	21.22	22.00	20.86	24.23	23.39	23.30	21.71	21.48	20.99
10	21.79	21.22	21.97	21.17	21.69	23.50	23.63	24.37	22.33	21.91	21.25	21.00
15	22.21	21.14	21.62	21.02	21.78	25.13	23.49	23.99	22.86	22.21	21.22	20.83
20	21.67	22.40	21.54	21.07	21.92	24.84	23.47	25.74	22.41	21.92	21.15	21.00
25	21.22	22.19	21.57	21.36	21.70	24.22	23.05	25.55	21.97	21.94	21.08	20.86
Eom	21.16	21.66	21.41	21.36	20.94	25.99	23.08	24.5	21.59	21.52	21.02	20.81

1963

5	20.79	.....	20.85	21.08	21.67	23.70	28.78	27.21	25.83	24.78	23.53	23.42
10	21.02	.....	20.85	21.09	22.12	23.91	29.73	28.40	25.55	25.93	23.64	25.94
15	.....	.....	20.85	21.04	21.71	24.12	29.06	27.48	25.29	25.56	23.34	26.36
20	.....	21.08	20.80	22.30	21.45	24.47	27.40	27.88	25.39	25.31	23.51	26.50
25	21.23	21.27	20.54	21.35	21.76	26.53	27.89	26.86	24.55	25.01	23.92	26.02
Eom	.....	21.18	20.92	21.33	22.31	28.38	27.40	26.23	24.07	23.95	23.16	26.10

1964

5	23.16	22.50	.....	24.75	25.46	29.32	.....	.....	.....	.....	.....	.....
10	22.92	22.52	.....	24.67	25.40	.....	.....	.....	.....	.....	.....	.....
15	22.58	.....	22.50	24.75	25.87	.....	.....	.....	.....	.....	.....	.....
20	22.34	.....	22.44	25.10	25.86	.....	.....	.....	.....	.....	.....	.....
25	22.63	.....	22.43	25.46	26.93	.....	.....	.....	.....	.....	.....	.....
Eom	22.76	.....	24.34	25.28	27.20	.....	.....	.....	.....	.....	.....	.....

445740N0933330.1. Local number 117.23.11bbd1. Minnetonka Boat Works, Inc. Orono. Drilled observation artesian well in Jordan Sandstone of Late Cambrian age, diam 6 in, depth 437 ft, cased to 270. Lsd 930.81 ft above msl. MP wood floor of instrument shelter, 3.30 ft above lsd. Highest water level 14.05 below lsd, Apr. 30, 1954; lowest 28.56 below lsd, June 11, 1959. Records available: 1942-46, 1948-66. Water levels affected by regional pumping.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.13	18.00	18.17	18.04	18.67	17.26	18.94	18.98	18.55	17.42	17.48	17.25
10	18.28	17.99	18.22	18.06	18.06	17.38	18.56	19.64	18.04	17.29	17.34	17.40
15	18.18	17.86	18.16	18.30	17.66	18.31	19.65	19.58	18.15	.....	17.88	17.28
20	18.20	17.98	18.08	18.21	17.86	18.80	18.20	21.12	17.98	17.46	17.30	17.46
25	17.91	18.32	18.18	18.14	17.85	19.82	18.03	19.78	17.70	17.85	17.47	17.41
Eom	18.08	18.34	17.95	17.88	17.44	20.78	19.12	19.46	17.63	17.90	17.41	17.42

1963

5	17.34	17.40	17.40	17.74	17.58	17.53	22.42	21.88	19.45	19.46	19.37	18.89
10	17.37	17.30	17.31	18.16	17.66	17.41	24.93	22.98	20.34	20.42	18.87	20.01
15	17.39	17.40	17.46	17.51	17.40	17.50	23.44	21.80	21.09	19.80	18.96	20.66
20	17.32	17.37	17.40	17.50	17.42	19.25	21.13	22.64	19.71	20.15	19.09	20.84
25	17.40	17.44	17.29	17.42	17.99	21.27	23.45	20.96	18.98	19.08	19.50	20.50
Eom	17.36	17.39	17.26	17.56	17.73	21.96	21.80	20.48	18.84	19.21	19.36	20.68

1964

5	19.45	18.97	18.37	18.98	19.19	23.76	25.12	27.34	24.62	21.07	20.51	19.75
10	19.01	19.01	18.52	19.04	19.17	23.62	24.94	24.58	22.08	20.68	20.13	19.50
15	18.75	18.70	18.66	19.06	19.30	23.50	23.10	23.62	21.83	20.53	19.95	19.64
20	18.40	18.67	18.59	19.44	19.70	22.22	26.14	24.96	21.54	20.36	19.80	19.66
25	18.80	18.50	18.55	19.40	20.13	21.07	26.50	25.57	20.78	20.36	19.56	19.32
Eom	19.03	18.39	18.67	19.60	21.23	24.69	25.58	25.94	20.74	20.45	19.82	19.54

445740N0933330.1--Continued.

Lowest water level for the day, from recorder graph, 1965												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.74	.....	19.38	19.27	19.01	18.23	21.77	21.64	20.68	18.43	18.62	17.89
10	19.99	.....	19.51	19.11	18.36	18.68	19.80	20.52	19.77	18.31	18.39	18.05
15	20.08	.....	19.46	18.84	18.31	20.69	19.93	23.53	19.27	20.06	18.05	17.89
20	.....	.....	19.43	18.80	18.44	21.24	20.47	23.51	18.84	20.32	17.99	17.80
25	19.55	19.54	19.46	18.69	18.30	19.79	22.24	21.06	18.73	18.84	17.95	17.99
Eom	19.79	19.41	19.43	18.65	18.60	21.53	22.73	19.81	18.31	18.55	17.99	17.99
1966												
5	17.90	.....	17.51	17.40	18.79	20.66	22.27	26.06	21.26	20.12	19.59	19.11
10	17.97	.....	17.58	17.48	19.23	19.79	22.58	22.75	22.71	20.14	19.57	19.24
15	17.97	.....	17.51	17.58	18.08	19.19	22.02	21.47	21.10	19.76	19.45	19.11
20	17.98	.....	17.55	17.59	17.85	20.93	24.12	21.96	21.50	19.51	19.26	18.97
25	17.96	17.64	17.51	17.83	18.25	21.19	25.64	20.53	21.96	20.38	19.17	19.21
Eom	.....	17.51	17.29	17.92	20.68	21.60	26.38	23.30	20.67	19.76	19.27	18.90

445351N0933354.2. Local number 117.23.34daa2. Hennepin County Highway Dept. Drilled observation artesian well in sandstones of Late Cambrian and Early Ordovician age, diam 6 in, depth 468 ft, cased to 199. Lad 945.84 ft above msl. MP wood floor of instrument shelter, 4.20 ft above lsd. Highest water level 51.55 below lsd, Nov. 27, 1954; lowest 102.49 below lsd, Sept. 21, 1961. Records available: 1953-64. Water levels affected by regional pumping. Measurement discontinued.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	58.18	58.02	57.53	57.73	58.57	57.87	59.44	58.88	59.30	58.17	58.17	57.73
10	58.00	57.67	58.55	57.79	58.17	57.96	59.04	59.16	59.03	58.04	57.88	58.13
15	57.92	57.67	.....	57.84	58.08	58.10	59.01	59.40	59.12	58.09	58.29	57.63
20	57.83	57.90	.....	57.96	58.14	58.62	59.00	59.98	59.26	58.55	58.00	58.28
25	57.44	.....	58.13	57.65	58.13	59.06	58.89	60.10	58.61	58.29	57.95	57.64
Eom	57.85	57.98	57.90	58.17	58.03	59.56	58.76	59.41	58.28	58.13	58.24	57.94
1963												
5	57.95	57.70	57.46	57.55	58.21	58.45	61.99	61.32	60.58	58.97	58.47	.....
10	57.72	57.48	57.55	58.00	58.47	58.41	62.71	61.90	60.44	59.46	58.39	.....
15	58.04	57.78	57.59	57.98	58.38	58.82	62.52	61.41	.....	59.41	58.32	.....
20	57.42	57.92	57.54	57.99	58.27	59.14	61.43	61.30	59.51	59.43	.....	.....
25	57.77	57.80	57.50	58.05	58.60	60.32	62.20	61.10	58.95	58.92	.....	.....
Eom	57.70	57.70	57.65	58.37	58.70	61.54	61.19	60.82	58.74	58.89	.....	.....
1964												
5	.....	.....	58.92	60.32	60.67	63.05	.....	.....	.....	.....	.....	.....
10	.....	60.41	58.94	60.31	60.54	.....	.....	.....	.....	.....	.....	.....
15	.....	59.45	59.26	60.33	60.88	.....	.....	.....	.....	.....	.....	.....
20	.....	59.42	59.11	60.68	61.21	.....	.....	.....	.....	.....	.....	.....
25	.....	59.06	58.97	60.44	61.52	.....	.....	.....	.....	.....	.....	.....
Eom	.....	58.90	60.19	60.70	61.79	.....	.....	.....	.....	.....	.....	.....

445927N0933234.2. Local number 118.23.35aaa2. Hennepin County Highway Dept. Drilled observation water-table well in glacial drift, diam 2 in, depth 151 ft. MP top of casing, 3.40 ft above lad. Highest water level 15.77 below lad, June 6, 1964; lowest 37.4 below lad, June 9, 1942. Records available: 1942, 1944-46, 1948-64. Water levels affected by pumping. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1962	25.45	Apr. 30, 1962	24.53	Aug. 19, 1962	24.33	June 11, 1963	23.22
12	25.12	May 7	24.48	Sept. 4	24.68	July 10	23.53
20	25.22	14	24.26	11	24.39	Aug. 5	24.31
28	25.22	20	23.93	17	24.38	14	24.62
Feb. 5	25.10	28	23.77	24	24.36	Sept. 3	24.79
12	25.04	June 4	23.87	Oct. 1	24.28	30	23.57
19	25.12	13	24.03	8	24.10	Oct. 27	24.82
25	24.87	17	24.11	16	24.35	Nov. 22	25.56
Mar. 5	24.73	25	24.44	Nov. 9	23.98	Dec. 20	24.15
12	24.61	July 2	24.36	Dec. 1	22.94	Jan. 17, 1964	19.80
19	24.84	9	24.40	26	23.62	Feb. 10	21.57
25	24.74	16	24.53	Jan. 23, 1963	23.65	Mar. 12	16.32
Apr. 2	24.80	23	24.33	Feb. 19	23.39	Apr. 9	18.39
9	23.50	30	24.42	Mar. 22	23.51	May 7	20.67
16	23.38	Aug. 6	24.32	Apr. 13	23.42	11	16.24
23	24.73	12	24.42	May 14	23.29	June 6	15.77

## Kittson County

484321N0963652.1. Local number 160.46.5dec1. Dale R. Bronson. Dug domestic water-table well in glacial outwash, diam 38 in, depth 8 ft, lined with concrete. MP top of well cover, 1.90 ft above lad. Highest water level 0.64 below lad, Sept. 4, 1957; lowest 7.00 below lad, Mar. 13, 1962. Records available: 1956-64. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1962	6.68	June 24, 1962	1.58	Dec. 9, 1962	4.11	Feb. 24, 1963	4.36
9	6.67	July 1	1.60	16	4.18	Mar. 3	4.27
23	6.69	8	1.56	23	4.16	10	4.26
30	6.68	29	3.34	30	4.13	18	4.16
Feb. 6	6.67	Aug. 5	3.12	Jan. 6, 1963	4.15	24	5.18
13	6.79	12	3.14	13	4.26	31	4.98
20	6.16	Nov. 4	4.18	20	4.28	Apr. 7	4.94
27	6.76	11	4.23	27	4.24	14	4.96
Mar. 6	6.24	18	3.96	Feb. 3	4.26	21	4.94
13	7.00	25	4.12	10	4.27	28	4.93
June 17	1.64	Dec. 2	3.92	17	4.31	May 5	5.01

484213N0963652.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 13, 1963	4.98	Aug. 4, 1963	4.86	Dec. 29, 1963	4.96	Mar. 22, 1964	4.89
19	4.89	11	4.90	Jan. 5, 1964	4.92	29	4.86
27	4.86	18	4.90	12	4.86	5	4.96
June 2	4.81	30	4.90	19	4.89	Apr. 12	5.34
9	4.84	Sept. 8	4.96	26	4.89	19	5.26
16	4.86	Oct. 29	5.36	Feb. 2	4.96	26	5.23
23	4.89	Nov. 3	5.35	16	4.86	May 3	3.82
30	4.90	10	5.45	23	4.86	10	5.12
July 7	4.90	17	5.48	Mar. 1	4.96	17	5.23
14	4.86	Dec. 1	5.46	8	4.81	24	5.18
21	4.98	8	5.48	15	4.96		

Marshall County

481604N0963915.3. Local number 155.47.11aaa3. U.S. Geol. Survey. Drilled observation artesian well in glacial sand and gravel, diam 6 to 4 in, depth 86 ft, cased 6-in 0-41, 4-in 41-83, screened 83-86. MP wood floor of instrument shelter, 3.15 ft above lsd. Highest water level 5.83 below lsd, Feb. 26, 1958; lowest 28.89 below lsd, Oct. 4, 1956. Records available: 1956-66. Water levels affected by pumping.

Jan. 30, 1962	20.05	May 1, 1963	20.49	June 29, 1964	22.95	Oct. 1, 1965	23.08
Mar. 1	20.09	31	25.46	Aug. 1	24.04	Nov. 1	22.97
Apr. 1	21.05	July 1	21.27	31	19.78	30	17.35
May 1	24.70	Aug. 1	19.55	Oct. 1	20.57	Dec. 31	16.21
June 1	19.52	Sept. 1	20.22	Nov. 2	19.70	Feb. 28, 1966	17.85
30	26.03	30	19.57	Dec. 7	20.89	Apr. 1	20.93
July 30	26.52	Nov. 1	25.03	Jan. 2, 1965	17.02	May 1	21.42
Sept. 1	22.94	30	20.10	Feb. 1	15.55	30	18.28
30	23.37	Jan. 1, 1964	19.44	28	16.19	July 1	22.06
Oct. 31	18.61	Feb. 1	19.25	Apr. 1	18.77	Aug. 1	16.37
Dec. 1	19.15	29	19.03	May 1	22.13	31	22.35
31	20.82	Mar. 31	19.04	June 1	22.04	Oct. 2	22.10
Feb. 1, 1963	18.37	May 5	20.43	Aug. 1	21.00	31	20.24
Mar. 1	20.13	31	24.35	30	21.88	Dec. 1	18.69

Morrison County

460444N0942125.1. Local number 130.29.8dccc. U.S. Geol. Survey. Drilled observation water-table well in glacial gravel, diam 2 in, depth 59 ft, screened 56-59. MP top of casing, 2.10 ft above lsd. Highest water level 8.93 below lsd, Aug. 14, 1953; lowest 19.75 below lsd, Aug. 4, 1961. Records available: 1949-66. Measured by J. F. Wetzel, Mar. 11-June 17; July 29-Dec. 31, 1966.

Jan. 5, 1962	16.74	Nov. 2, 1962	15.70	Aug. 2, 1963	15.45	May 1, 1964	13.25
12	16.66	9	15.67	9	15.47	8	13.30
19	16.60	16	15.65	16	15.50	15	13.31
26	16.54	23	15.69	23	15.52	22	13.27
Feb. 2	16.52	30	15.64	30	15.55	29	13.24
9	16.46	Dec. 7	15.62	Sept. 6	15.60	June 5	13.20
16	16.43	14	15.60	13	15.57	12	13.15
23	16.28	21	15.62	20	15.62	19	13.10
Mar. 2	16.19	27	15.59	27	15.60	27	13.05
12	16.16	Jan. 4, 1963	15.55	Oct. 4	15.64	July 3	12.98
16	16.12	11	15.53	11	15.58	17	12.96
23	16.02	18	15.52	18	15.55	24	12.94
30	16.04	25	15.54	25	15.54	31	12.96
Apr. 6	16.01	Feb. 1	15.51	Nov. 1	15.50	Aug. 7	12.93
13	15.97	8	15.48	8	15.54	14	12.97
20	15.94	15	15.45	15	15.48	21	12.93
27	15.97	21	15.44	22	15.28	28	13.00
May 4	15.93	Mar. 1	15.41	29	15.07	Sept. 4	13.07
11	15.91	8	15.43	Dec. 6	14.94	11	13.10
18	14.94	15	15.40	13	14.85	18	13.04
25	15.00	22	15.37	20	13.79	25	13.06
June 15	14.98	29	15.41	27	13.76	Oct. 2	13.02
22	16.80	Apr. 5	15.38	Jan. 3, 1964	13.70	16	13.04
29	16.70	11	15.43	10	13.64	23	12.96
July 6	16.48	19	15.45	17	13.60	30	12.98
13	16.43	26	15.41	24	13.52	Nov. 6	12.94
27	16.52	May 3	15.27	31	13.50	13	13.02
Aug. 3	16.42	10	15.35	Feb. 7	13.42	20	12.96
10	16.30	17	15.30	14	13.45	27	12.98
17	16.22	24	15.27	21	13.40	Dec. 4	12.94
24	16.15	31	15.24	28	13.35	11	12.97
31	16.05	June 7	15.30	Mar. 6	13.32	18	13.00
Sept. 7	15.98	14	15.22	13	13.30	24	12.96
14	15.94	21	15.20	20	13.31	31	12.92
28	15.87	28	15.25	27	13.28	Jan. 8, 1965	13.02
Oct. 5	15.84	July 5	15.38	Apr. 3	13.26	15	12.96
12	15.78	12	15.43	10	13.20	22	12.93
19	15.80	19	15.54	17	13.17	29	12.96
26	15.76	26	15.42	24	13.19	Feb. 5	12.98

460444N0942125.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 11, 1965	12.94	Aug. 13, 1965	12.99	Feb. 25, 1966	10.09	Aug. 12, 1966	11.71
19	12.97	20	12.93	Mar. 11	10.55	26	11.36
Mar. 5	12.95	27	12.96	18	10.53	Sept. 2	10.50
12	12.92	Sept. 3	13.00	25	9.56	9	10.30
Apr. 2	12.96	10	13.06	Apr. 1	9.59	16	10.27
9	12.93	17	13.10	7	9.67	23	10.34
22	12.96	24	13.48	15	9.75	30	10.23
30	12.92	Oct. 1	13.30	22	9.82	Oct. 7	10.30
May 10	12.95	8	13.18	29	9.69	14	10.34
14	12.98	15	13.10	May 6	9.65	21	10.38
21	13.00	Dec. 17	12.50	13	9.67	28	10.44
28	13.05	24	12.30	20	9.68	Nov. 4	10.45
June 3	13.10	31	12.32	27	9.67	10	10.52
23	13.30	Jan. 7, 1966	12.20	June 10	9.95	18	10.55
25	13.28	14	11.98	17	10.57	25	10.62
July 2	13.15	21	11.82	29	10.83	Dec. 2	10.65
9	13.10	28	11.22	July 8	11.17	9	10.84
16	13.00	Feb. 4	10.58	15	11.10	16	10.80
23	12.96	11	10.50	29	11.00	23	10.70
30	12.98	18	10.43	Aug. 5	11.45	30	10.80
Aug. 6	12.94						

## Olmsted County

440122N0922753.1. Local number 107.14.35dcd1. Kahler Corp. Kahler Hotel, 1st St. and 2d Ave. SW., Rochester. Drilled unused artesian well in Jordan Sandstone of Late Cambrian age, diam 15 in, depth 517 ft, reported cased to about 100. MP top of wood platform, 14.50 ft below lsd. Highest water level 23.9 below lsd, Apr. 18, 1960; lowest 84.2 below lsd, July 12, 1966. Records available: 1957-66. Water levels affected by regional pumping.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	45.6	56.1	45.7	40.7	51.1	53.3	55.2	57.2	57.1	53.5	48.7	56.9
10	41.9	53.7	54.8	48.2	48.2	44.3	67.8	66.0	50.4	62.4	42.1	56.5
15	45.1	44.9	49.1	32.0	65.7	65.1	....	68.3	56.8	61.3	59.6	54.7
20	41.5	45.1	62.7	57.4	45.5	....	71.1	72.2	60.4	42.8	58.5	56.6
25	53.8	44.9	46.5	44.1	44.5	65.5	58.7	61.3	50.6	53.7	37.6	42.6
Eom	55.3	51.9	48.2	43.9	51.5	63.9	63.4	61.8	41.5	54.7	56.9	55.4
1963												
5	54.2	59.5	47.1	45.7	46.3	75.7	70.4	75.6	58.3	....	50.4	56.1
10	61.0	42.9	43.9	53.2	47.1	64.4	73.5	61.9	60.3	57.0	46.5	52.9
15	60.0	46.4	49.9	56.4	....	50.3	69.4	73.4	47.5	61.9	54.4	43.3
20	46.3	61.3	53.9	42.7	50.9	65.8	61.1	72.1	59.1	48.7	58.0	51.3
25	60.6	62.2	43.3	54.1	52.9	73.7	76.6	51.5	56.9	55.6	47.6	38.8
Eom	49.5	59.5	42.5	49.7	64.2	58.2	76.6	58.5	45.3	54.5	55.2	43.9
1964												
5	41.5	55.3	56.0	39.2	57.9	64.2	....	80.2	45.5	44.4	52.6	42.7
10	58.7	44.4	50.4	54.6	45.9	57.8	74.9	73.3	56.9	39.6	56.1	56.6
15	59.5	52.0	43.9	49.6	56.0	52.9	76.5	53.7	57.9	58.8	46.3	48.8
20	56.9	53.4	57.6	53.8	57.5	64.4	78.8	76.0	47.6	51.3	49.3	43.0
25	54.3	54.0	56.0	54.6	61.9	69.3	69.7	54.8	55.2	34.2	47.1	33.8
Eom	57.0	54.6	57.7	59.5	50.6	....	65.3	48.5	57.0	38.6	45.6	50.2
1965												
5	54.1	50.7	47.0	61.8	61.9	48.0	55.4	77.9	45.5	55.0	45.9	34.0
10	45.6	53.2	48.1	40.3	59.2	63.8	47.4	....	50.6	34.5	53.0	53.3
15	48.8	51.1	53.4	56.8	46.3	67.0	72.3	....	55.0	60.0	54.8	43.3
20	51.2	50.0	51.0	58.1	51.0	58.4	61.3	70.6	52.2	53.9	46.1	53.0
25	48.4	43.4	48.1	43.5	62.7	51.8	....	....	43.7	54.4	39.2	40.3
Eom	43.4	44.3	57.1	63.0	38.8	60.9	55.0	51.9	46.3	43.0	60.0	40.8
1966												
5	38.6	47.8	47.8	39.6	48.2	46.3	77.9	79.5	44.3	55.0	42.3	43.8
10	38.5	45.3	56.6	40.0	45.9	50.0	74.5	62.8	48.0	64.2	45.4	56.4
15	43.0	51.2	47.6	48.1	35.3	62.4	65.8	63.2	54.6	52.1	61.2	31.5
20	39.5	32.3	40.0	57.2	49.5	75.2	64.7	54.0	68.7	51.0	37.0	54.5
25	50.7	57.1	49.1	46.5	50.0	67.4	78.4	51.4	45.9	52.8	46.8	35.6
Eom	50.4	57.7	60.8	35.8	48.7	81.0	71.1	78.3	51.8	52.7	49.7	51.9

## St. Louis County

472638N0925336.1. Local number B57.20.5dad1. Great Northern Ry. Drilled unused artesian well in Biwabik Formation of middle Precambrian age, diam 12 to 6 in, depth 430 ft, cased to 315. MP top of wood platform, 1.20 ft above lsd. Highest water level 58.76 below lsd, Aug. 9, 1955; lowest 69.07 below lsd, Jan. 16, 1965. Records available: 1955-66.

472638N0925336, 1.—Continued.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	67.56	67.78	68.10	68.43	68.43	68.08	67.81	67.46	67.34	67.11	67.26	67.17
10	67.66	67.83	68.07	68.41	68.42	67.98	67.62	67.50	67.10	67.06	67.27	67.26
15	67.61	67.89	68.16	68.47	68.26	67.98	67.73	67.39	67.16	67.08	67.27	67.14
20	67.70	67.92	68.18	68.45	68.23	67.99	67.61	67.38	67.17	67.15	67.15	67.23
25	67.63	67.92	68.28	68.40	68.11	67.92	67.57	67.41	67.09	67.20	67.31	67.20
Eom	67.77	68.03	68.36	68.35	68.07	67.90	67.58	67.37	67.10	67.25	67.28	67.23
1963												
5	67.18	.....	67.41	67.71	.....	66.18	.....	65.32	65.08	64.99	65.21	65.53
10	67.19	.....	67.42	67.79	.....	66.20	.....	65.34	65.03	65.01	65.27	65.62
15	67.20	.....	67.37	.....	.....	.....	.....	65.27	65.00	.....	65.36	65.73
20	67.10	67.36	67.47	.....	.....	.....	65.21	65.20	64.92	65.17	65.44	65.76
25	67.24	67.37	67.47	.....	66.13	.....	65.26	65.20	64.88	65.07	65.42	65.66
Eom	67.18	67.37	67.57	.....	66.16	.....	65.22	65.19	64.93	65.22	65.55	65.88
1964												
5	65.80	65.92	66.13	65.74	65.26	65.50	65.81	66.81	67.53	68.07	68.58	68.85
10	65.91	66.07	66.24	65.58	65.33	65.57	65.98	66.85	67.56	68.20	68.57	68.78
15	65.88	66.07	66.26	65.50	65.40	65.61	66.04	67.01	67.81	68.16	68.63	68.85
20	65.80	66.17	66.30	65.48	65.41	65.60	66.20	67.16	67.88	68.29	68.69	68.90
25	65.85	66.10	66.32	65.46	65.41	65.59	66.40	67.22	67.91	68.34	68.64	68.76
Eom	65.94	66.05	66.00	65.39	65.50	65.69	66.55	.....	68.04	68.45	68.81	68.90
1965												
5	68.89	68.78	68.83	68.93	68.89	68.25	67.92	67.59	67.42	66.81	66.36	65.72
10	68.92	68.85	68.87	68.89	68.83	68.23	67.92	67.62	.....	66.73	66.33	65.73
15	69.07	68.89	68.87	68.91	68.76	68.23	67.82	67.57	.....	66.68	66.08	65.42
20	68.94	68.71	68.89	69.01	68.68	68.00	67.74	67.58	.....	66.58	65.98	65.38
25	68.89	68.86	68.93	68.99	68.41	68.08	67.77	67.50	67.05	66.55	65.93	65.43
Eom	68.96	68.86	68.96	69.02	68.47	68.09	67.59	67.38	66.88	66.40	65.74	65.20
1966												
5	65.26	64.98	64.61	.....	63.86	63.07	62.53	62.41	62.00	61.94	61.79	61.70
10	65.13	64.75	64.56	.....	63.76	63.03	62.46	62.18	62.04	61.83	61.74	61.82
15	65.12	64.81	64.52	64.40	63.58	62.90	62.61	62.12	62.05	61.85	61.83	61.74
20	65.11	64.91	.....	64.22	63.45	62.87	62.59	62.13	62.08	61.80	61.78	61.66
25	65.05	64.74	.....	64.20	63.31	62.65	62.51	62.00	62.06	61.82	61.74	61.80
Eom	.....	64.66	.....	63.98	63.29	62.65	62.49	62.03	61.99	61.74	61.80	61.67

473102N0923450, 1. Local number B58.18.12ccc1. Oliver Iron Mining Division, U. S. Steel Corp. Drilled observation artesian well in glacial sand and gravel, diam 6 in, depth 97 ft, slotted 76-97. MP wood floor of instrument shelter, 2.04 ft above lad. Highest water level 10.64 below lad, July 20, 1957; lowest 17.47 below lad, Apr. 2, 1964. Records available: 1954-64. Measurement discontinued.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	16.08	16.48	16.83	16.36	.....	14.03	14.52	14.48	.....	15.35	15.65	15.94
10	16.15	.....	16.87	16.40	.....	14.12	14.24	14.47	.....	15.38	15.70	16.00
15	16.20	.....	16.93	.....	.....	14.19	.....	14.43	.....	15.43	.....	16.06
20	16.27	.....	16.94	.....	.....	14.31	14.49	14.55	.....	15.49	.....	16.12
25	16.32	.....	16.78	15.81	13.49	14.43	14.31	14.64	.....	15.55	.....	16.19
Eom	16.41	.....	16.31	.....	13.89	14.43	14.39	.....	.....	15.60	15.91	16.26
1963												
5	16.32	16.68	16.99	15.32	15.68	15.19	14.43	14.69	14.98	15.27	15.61	15.90
10	16.40	16.74	17.06	15.57	15.65	14.52	14.53	14.79	15.05	15.35	15.68	15.99
15	16.44	16.81	17.10	15.69	15.42	14.14	14.36	14.85	15.13	15.40	15.71	16.04
20	16.51	16.87	17.17	15.65	15.35	14.03	14.43	14.86	15.07	15.47	15.80	16.12
25	16.54	16.92	17.08	15.69	15.35	14.28	14.57	14.89	15.15	15.47	15.77	16.19
Eom	16.61	16.94	16.04	15.65	15.30	14.36	14.58	14.94	15.20	15.57	15.85	16.24
1964												
5	.....	16.60	16.98	17.15	15.75	15.64	14.90	.....	.....	.....	.....	.....
10	16.24	16.70	17.19	17.13	14.45	15.54	15.17	.....	.....	.....	.....	.....
15	.....	16.76	17.11	16.46	15.02	15.74	15.37	.....	.....	.....	.....	.....
20	.....	16.82	17.19	16.43	15.00	15.76	.....	.....	.....	.....	.....	.....
25	.....	16.85	17.26	16.15	15.13	13.93	.....	.....	.....	.....	.....	.....
Eom	.....	16.89	17.45	15.95	15.46	14.52	.....	.....	.....	.....	.....	.....

473011N0925243, 1. Local number B58.20.16dbc1. City of Chisholm. Drilled unused artesian well in glacial outwash sand and gravel, diam 12 in, depth 40 ft, screened 30-40. MP top of wood platform, 1.70 ft above lad. Highest water level 0.23 below lad, May 10, 1954; lowest 15.60 below lad, Mar. 23-24, 1957. Records available: 1953-66. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	12.78	13.58	14.20	14.05	7.97	5.67	8.05	7.84	9.94	8.68	9.50	10.20
10	12.95	13.65	14.22	12.87	8.16	6.10	6.90	7.65	9.44	8.73	9.57	10.36
15	13.07	13.80	14.31	12.01	6.51	7.14	7.30	7.57	7.99	8.90	9.63	10.55
20	13.41	13.95	14.43	11.18	4.77	7.12	7.68	8.16	8.00	9.27	9.64	10.91
25	13.40	14.00	14.40	10.12	4.57	7.59	7.28	8.75	8.30	9.23	9.89	.....
Eom	13.45	14.09	14.28	8.46	5.26	7.88	7.60	9.61	8.20	9.38	10.11	.....

473011N0925243.1--Continued.

Lowest water level for the day, from recorder graph, 1963												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	12.52	.....	10.66	9.66	7.34	8.74	10.25	10.84	11.17	11.56	11.47
10	.....	12.72	.....	10.46	9.62	7.08	9.18	10.62	11.02	11.32	11.47	11.52
15	.....	12.97	.....	10.55	9.11	7.11	9.16	10.59	11.07	11.37	11.79	11.55
20	.....	13.12	14.46	10.34	8.57	7.24	9.46	10.51	11.17	11.41	11.84	12.02
25	12.04	.....	14.55	10.30	8.22	7.82	9.80	10.42	11.06	11.53	11.43	11.93
Eom	12.30	.....	13.45	10.00	7.71	8.12	9.89	10.70	11.13	11.50	11.40	12.03
1964												
5	12.06	12.86	13.23	13.60	7.49	7.05	6.07	9.80	10.25	8.06	8.48	....
10	12.32	12.93	13.36	13.54	5.59	6.90	6.67	9.78	9.84	7.86	8.42	8.71
15	12.35	13.00	13.33	11.30	6.20	6.90	7.56	9.92	9.63	8.37	....	8.57
20	12.50	13.12	13.63	10.27	5.74	6.65	8.52	10.11	9.51	8.46	....	7.07
25	12.64	13.16	13.73	9.20	6.22	4.72	8.87	10.16	9.11	8.33	....	7.21
Eom	12.77	13.25	13.65	8.45	6.43	5.47	9.17	10.33	8.32	8.74	....	9.08
1965												
5	9.36	10.52	11.17	12.20	5.88	4.84	6.21	8.31	8.10	6.18	6.43	4.49
10	7.70	10.50	9.64	11.80	5.75	4.78	7.03	8.72	10.20	3.53	6.43	6.60
15	9.63	10.37	10.94	7.72	5.75	5.32	7.20	7.22	9.94	6.26	6.20	6.13
20	9.79	10.50	11.35	5.40	5.10	3.72	7.43	9.61	9.57	5.91	6.50	5.56
25	9.77	10.59	11.47	3.23	4.71	6.12	5.93	9.70	9.45	5.58	4.69	3.65
Eom	8.43	9.14	12.05	5.84	4.75	6.54	8.37	9.84	8.40	3.54	6.22	5.78
1966												
5	6.25	.....	7.66	3.57	2.79	....	7.67	9.96	8.51	9.80	9.71	9.97
10	.....	7.28	7.53	1.48	3.68	6.17	7.89	9.37	9.07	9.60	9.88	10.27
15	.....	7.11	7.36	3.27	1.58	6.35	8.73	9.02	9.35	9.74	9.81	10.32
20	.....	.....	3.73	3.38	....	6.31	9.00	8.69	9.37	9.70	8.30	10.39
25	.....	.....	5.22	3.13	....	7.37	9.12	8.38	7.82	9.60	9.88	....
Eom	.....	.....	4.47	3.56	....	7.45	7.78	8.61	9.76	9.40	10.06	....

## References

- MacIay, R. W., Winter, T. C., and Pike, G. M., 1965, Water resources of the Middle River watershed, northwestern Minnesota: U.S. Geol. Survey Hydrol. Inv. Atlas HA-201.
- Miller, W. A., and Straka, G. C., 1967, Graphs of ground-water levels in Minnesota, 1962-1966: U.S. Geol. Survey open-file rept.
- Minnesota Division of Waters, 1964, St. Louis River watershed unit: Minnesota Div. Waters Bull. 22.

# MISSOURI

Figure 6 shows the location of observation wells in Missouri.

## Well-Numbering System

The numbers assigned to the observation wells show their location according to the Bureau of Land Management's system for subdivision of public land, which is explained on page 6.

## Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum.

### Grundy County

400418N0933714.1. Local number 61-24-20G1. Formerly 61-24-17R1. Marvin Little, 105 East 4th St., Trenton. Formerly D. H. Dockery. Dug unused water-table well in glacial drift, diam 36 in, depth 21 ft, cribbed with rock. Lsd 830 ft above msl. MP hole in cement cover at lsd. Highest water level 0.03 below lsd, June 21, 1947; lowest 17.00 below lsd, Nov. 2, 1957. Records available: 1942-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1962	2.00	May 15, 1963	6.65	July 14, 1964	9.60	Sept. 26, 1965	9.70
29	1.40	28	6.50	25	10.10	Oct. 15	9.70
Feb. 14	1.90	June 15	7.10	Aug. 17	10.60	25	9.75
27	1.89	29	7.60	28	10.80	Nov. 15	9.70
Mar. 27	1.90	July 15	7.97	Sept. 15	10.80	25	9.90
Apr. 29	3.65	28	8.40	26	10.60	Dec. 17	10.00
May 28	3.34	Aug. 15	8.55	Oct. 15	10.50	26	9.99
June 28	3.17	28	8.70	30	10.55	Jan. 15, 1966	10.05
July 14	3.89	Sept. 13	9.00	Nov. 16	10.45	25	10.10
28	3.83	23	9.10	25	10.40	Feb. 15	10.10
Aug. 15	4.58	Oct. 15	9.70	Dec. 15	10.40	25	10.20
28	5.92	25	9.78	25	10.45	Mar. 15	10.20
Sept. 15	5.97	Nov. 15	10.05	Jan. 15, 1965	9.50	26	10.15
28	6.10	21	10.05	25	8.60	Apr. 15	10.15
Oct. 15	6.31	Dec. 17	10.10	Feb. 15	7.85	25	10.10
28	6.52	26	10.15	25	7.50	May 14	10.10
Nov. 15	6.75	Jan. 15, 1964	10.20	Mar. 14	6.30	June 16	10.35
28	6.90	22	10.25	26	5.40	July 15	10.90
Dec. 15	6.80	Feb. 15	10.30	Apr. 14	3.60	25	10.50
28	7.05	24	10.40	25	3.40	Aug. 15	11.10
Jan. 14, 1963	7.14	Mar. 14	10.40	May 15	4.40	26	11.15
28	7.26	23	10.40	25	5.20	Sept. 15	11.50
Feb. 15	7.58	Apr. 13	10.30	June 14	6.15	26	11.60
28	7.44	27	10.10	25	7.30	Oct. 16	11.70
Mar. 15	7.40	May 15	9.75	July 14	8.30	26	11.80
25	7.20	25	9.70	26	8.90	Nov. 15	11.85
Apr. 15	6.85	June 15	9.75	Aug. 23	10.50	30	11.80
28	6.75	26	9.80	Sept. 15	10.70	Dec. 14	11.85

### Phelps County

375538N0915543. Local number 37-10-13K1. S. V. Allen. Jerome. Drilled unused water-table well in Gasconade Dolo-mite of Early Ordovician age, diam 6 in, depth 34 ft. MP top south side of casing, 0.50 ft above lsd. Highest water level 4.38 below lsd, Apr. 2, 1945; lowest 15.26 below lsd, Sept. 28, 1964. Records available: 1942-66.

Jan. 2, 1962	9.00	Feb. 27, 1963	12.00	July 29, 1964	12.54	Nov. 1, 1965	13.04
30	7.42	Mar. 28	13.70	Aug. 28	14.74	30	13.35
Mar. 2	7.93	Apr. 30	9.26	Sept. 28	15.26	Dec. 29	11.65
30	7.26	July 30	11.24	Oct. 30	14.70	Jan. 28, 1966	11.83
Apr. 30	7.31	Aug. 23	12.33	Dec. 29	9.99	Feb. 28	9.42
May 29	9.14	Sept. 28	13.37	Jan. 29, 1965	13.30	Mar. 30	9.31
June 28	10.21	Oct. 26	13.42	Mar. 1	12.28	Apr. 29	7.05
July 30	12.00	Nov. 29	13.20	30	11.53	May 28	8.60
Aug. 31	13.54	Dec. 30	13.38	Apr. 29	9.54	June 29	11.28
Sept. 28	13.38	Jan. 29, 1964	12.71	May 28	10.35	Aug. 1	13.60
Oct. 29	13.27	Mar. 30	10.80	June 29	11.79	Sept. 1	12.19
Nov. 29	12.91	Apr. 29	8.75	Aug. 2	11.88	29	12.17
Dec. 28	12.72	May 28	10.93	31	12.97	Oct. 23	11.89
Jan. 29, 1963	12.28	June 30	10.78	Sept. 29	11.03	Nov. 28	11.00



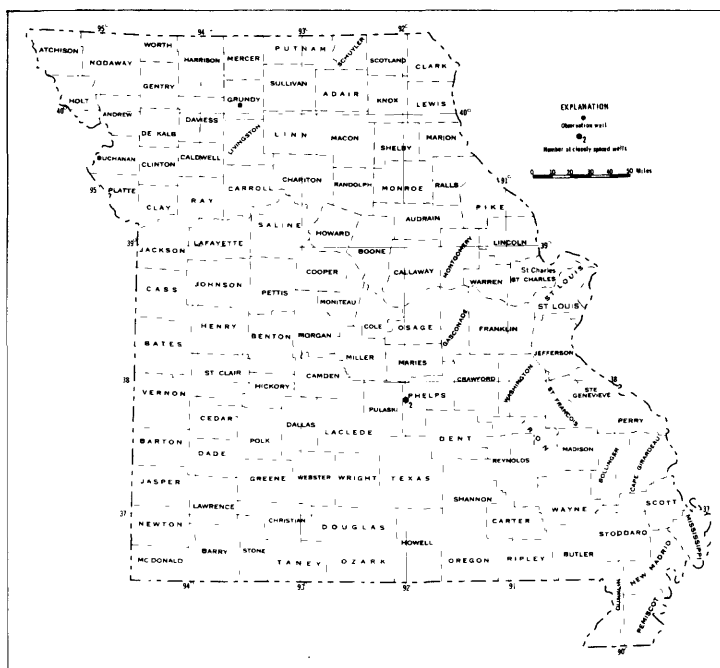


Figure 6.--Location of observation wells in Missouri, 1962-66.

375514N0915815. Local number 37-10-24A1. Fred Pillman. Arlington. Dug and drilled unused water-table well in Gasconade Dolomite of Early Ordovician age, diam 6 in, depth 15 ft. MP top south side of casing, 1.00 ft above lsd. Highest water level 4.15 below lsd, Apr. 2, 1945; lowest dry, several times 1956, 1958-65. Records available: 1942-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1962	8.59	Mar. 28, 1963	(f)	Aug. 28, 1964	(f)	Nov. 1, 1965	12.31
30	6.88	Apr. 30	12.89	Sept. 28	(f)	30	(f)
Mar. 2	7.57	July 30	11.20	Oct. 30	(f)	Dec. 29	12.32
30	5.89	Aug. 23	12.75	Nov. 30	(f)	Jan. 28, 1966	11.34
Apr. 30	6.58	Sept. 28	(f)	Dec. 29	(f)	Feb. 28	8.78
May 29	8.96	Oct. 26	(f)	Jan. 29, 1965	(f)	Mar. 30	9.10
June 28	10.42	Nov. 26	(f)	Mar. 1	(f)	Apr. 29	6.11
July 30	11.90	Dec. 30	(f)	30	(f)	May 28	7.34
Aug. 31	(f)	Jan. 29, 1964	13.05	Apr. 29	10.91	June 29	10.50
Sept. 28	(f)	Feb. 28	(f)	May 28	12.77	Aug. 1	11.46
Oct. 29	(f)	Mar. 30	10.87	June 29	(f)	Sept. 1	12.58
Nov. 29	(f)	Apr. 29	7.53	Aug. 2	12.94	29	12.78
Dec. 28	(f)	May 28	8.76	31	10.09	Oct. 28	11.18
Jan. 29, 1963	(f)	June 30	11.13	Sept. 29	8.88	Nov. 28	10.55
Feb. 27	(f)	July 29	(f)				

f Dry.

# NEBRASKA

The observation-well program in Nebraska was continued in 1962 through 1966 in cooperation with the Conservation and Survey Division, University of Nebraska. Figure 7 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management's system of land subdivision in which each well number is made up of three segments. The first indicates the township, the second the range, and the third the section in which the well is situated. The letters after the section number, which are assigned in a counterclockwise direction, represent subdivisions of the section. The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. Thus, the number A1-10-27adc indicates the well in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 27, T. 1 N., R. 10 E. The letter "A" before the township number designates a well east of the sixth principal meridian. (If the well is west of the meridian, no letter is included.) Serial numbers are added to distinguish wells in the same tract.

## Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated.

### Adams County

403403N0982440.1. Local number 7-10-23ab. Henry Fricke. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 8 in, depth 155 ft, casing perforated below water table. Lsd 1,927 ft above mal. MP top of casing, 1.00 ft above lsd. Highest water level 99.95 below lsd, Jan. 22, Mar. 14, 1935; lowest 114.11 below lsd, July 27, 1966. Records available: 1934-38, 1948-66.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	107.65	107.68	107.57	107.40	107.70	107.70	108.00	.....	.....	.....	108.42	108.20
10	107.60	107.58	107.48	107.43	107.71	107.80	108.53	.....	.....	108.60	108.43	108.25
15	107.62	107.59	107.53	107.46	107.74	107.80	108.18	.....	.....	108.68	108.43	108.10
20	107.61	107.54	107.57	107.50	107.67	107.99	.....	.....	.....	108.57	108.29	108.17
25	107.60	107.56	107.51	107.55	107.75	107.91	.....	.....	.....	108.46	108.25	108.10
Eom	107.60	107.56	107.51	107.65	107.79	107.95	.....	.....	.....	108.42	108.19	108.10
1963												
5	108.13	.....	108.05	108.08	108.12	108.28	110.15	110.15	110.04	109.85	109.83	109.50
10	108.10	.....	108.05	108.13	108.24	108.40	110.44	110.21	109.98	109.89	109.82	109.54
15	108.05	.....	107.95	108.05	108.24	108.54	109.30	110.35	109.89	109.83	109.65	109.44
20	.....	.....	108.10	108.15	108.23	108.40	110.75	110.19	109.95	109.83	109.69	.....
25	.....	108.13	108.12	108.14	108.21	108.46	111.97	110.14	109.89	109.80	109.67	.....
Eom	.....	108.07	108.11	108.09	108.20	108.61	110.10	110.09	109.85	109.85	109.52	.....
1964												
5	109.28	109.14	109.05	109.05	109.30	109.38	111.27	113.70	110.95	110.80	110.80	110.58
10	109.35	109.17	109.05	109.24	109.34	109.62	112.44	113.15	111.05	110.76	110.84	110.52
15	109.22	109.13	109.06	109.37	109.34	109.67	112.42	111.70	110.92	110.74	110.85	110.49
20	109.25	109.20	109.12	109.34	109.37	109.69	113.05	111.30	110.85	110.73	110.97	110.50
25	109.16	109.22	109.05	109.24	109.40	109.70	113.41	111.14	110.80	110.69	110.81	110.55
Eom	109.15	109.08	109.00	109.27	109.46	109.83	113.66	111.00	110.80	110.77	110.63	110.40
1965												
5	110.45	110.23	110.34	110.10	110.25	110.22	110.37	113.18	111.83	111.14	110.69	110.49
10	110.35	110.28	110.20	110.05	110.39	110.23	110.38	113.89	111.62	111.17	110.65	110.46
15	110.44	110.28	110.13	110.15	110.32	110.22	110.61	113.57	111.45	111.05	110.57	110.39
20	110.35	110.35	110.18	110.22	110.25	110.32	112.09	112.13	111.31	111.06	110.55	110.42
25	110.40	110.30	110.12	110.10	110.20	110.33	112.65	111.78	111.30	111.02	110.53	110.35
Eom	110.46	110.42	110.14	110.24	110.20	110.40	112.79	113.48	111.29	110.93	110.52	110.40
1966												
5	110.35	110.05	110.03	109.86	110.21	112.07	110.74	112.60	112.40	111.94	111.70	111.55
10	110.30	110.17	109.99	109.84	110.10	110.43	113.50	112.10	112.34	111.96	111.68	111.51
15	110.26	110.09	110.03	109.94	110.39	110.45	113.30	111.99	112.21	112.00	111.62	111.55
20	110.27	110.02	109.94	110.02	110.34	110.59	111.86	112.00	112.05	111.76	111.58	111.46
25	110.21	110.05	109.91	109.92	110.67	110.55	112.00	113.80	112.00	111.79	111.53	111.36
Eom	110.15	110.04	110.05	109.99	110.61	110.49	111.99	112.75	111.97	111.76	111.62	111.25

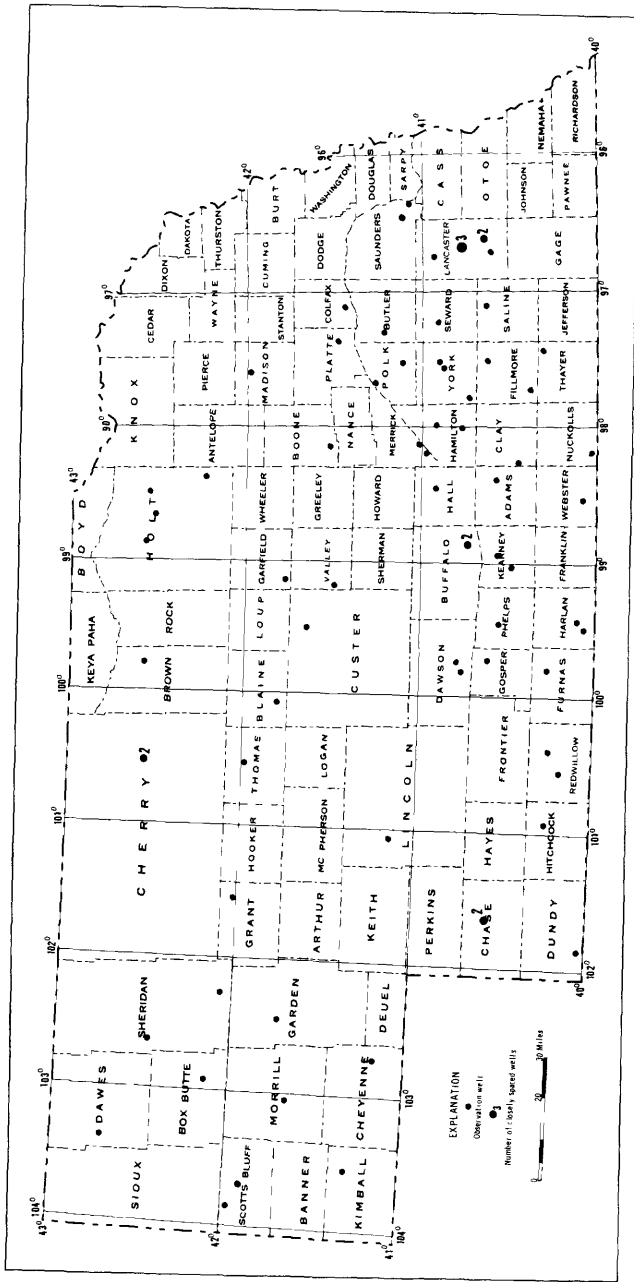


Figure 7. --Location of observation wells in Nebraska, 1962-66.

Blaine County

414952N1000615.1. Local number 22-24-33ca. U.S. Geol. Survey. Drilled observation water-table well in fine sand of Pleistocene age, diam 1 in, depth 13 ft, screened 11-13. Lsd 2,618 ft above msl. MP top of casing, 1.40 ft above lsd. Highest water level 1.04 below lsd, Mar. 8, 1950; lowest 6.97 below lsd, Aug. 8, 1951. Records available: 1934-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1962	3.94	Aug. 14, 1963	4.75	Oct. 6, 1964	5.04	Nov. 30, 1965	3.79
Feb. 12	3.79	26	5.13	26	4.66	Dec. 14	3.43
28	3.81	Sept. 24	4.04	27	4.35	27	3.67
Mar. 16	3.65	Oct. 8	4.51	Nov. 16	4.70	Jan. 11, 1966	3.64
30	2.84	29	4.34	Dec. 4	4.60	24	3.74
May 4	3.67	Nov. 13	4.29	16	4.18	Feb. 10	3.46
25	2.97	18	4.25	Jan. 5, 1965	3.75	21	3.60
June 15	1.87	Dec. 10	4.11	20	3.93	Mar. 8	3.42
Aug. 23	3.85	Jan. 15, 1964	3.86	Feb. 10	3.78	22	3.44
Sept. 11	4.39	31	3.73	Mar. 2	3.78	Apr. 5	2.96
Oct. 11	4.16	Feb. 10	3.72	23	3.81	22	2.72
30	4.01	25	3.80	Apr. 13	3.40	May 2	3.11
Nov. 7	3.92	Mar. 10	3.64	May 5	3.95	11	3.40
20	3.79	26	3.49	24	3.02	17	3.56
Dec. 26	3.72	Apr. 7	3.10	June 15	3.40	June 13	3.84
Jan. 15, 1963	3.68	21	3.39	28	3.85	27	4.43
28	3.57	23	3.50	July 13	4.42	July 11	5.04
Feb. 12	2.98	May 6	2.35	26	4.62	25	5.26
26	3.03	20	3.18	Aug. 9	5.02	Aug. 8	4.51
Mar. 12	2.61	June 4	3.75	23	4.48	22	4.73
26	2.90	15	4.20	Sept. 7	4.58	Sept. 19	4.96
Apr. 16	3.12	29	4.14	21	4.13	Oct. 3	4.84
May 7	3.60	July 15	4.61	Oct. 5	3.64	18	4.69
20	3.94	29	5.12	18	3.83	31	4.46
June 17	4.06	Aug. 26	5.07	Nov. 2	3.67	Nov. 17	4.29
July 16	4.71	Sept. 9	5.36	15	4.24	Dec. 12	4.13
29	5.24	23	4.96				

Boone County

413323N0980745.1. Local number 18-7-4ca. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 1 in, depth 22 ft, screened 20-22. Lsd 1,762 ft above msl. MP top of casing, 2.90 ft above lsd. Highest water level 8.72 below lsd, Aug. 5, 1963; lowest 15.17 below lsd, Oct. 26, 1940. Records available: 1936-42, 1948-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1962	12.13	Aug. 23, 1962	12.26	Aug. 5, 1963	8.72	July 16, 1965	11.47
Feb. 12	11.96	Oct. 8	11.70	Sept. 3	9.36	Nov. 18	10.98
Apr. 25	11.82	Nov. 15	11.92	Oct. 15	10.82	May 3, 1966	11.44
June 4	11.82	Mar. 27, 1963	11.72	Nov. 18, 1964	11.59	Oct. 18	11.28
July 16	11.98						

Box Butte County

420945N1025515.1. Local number 25-48-4ddd1. U.S. Geol. Survey. Drilled observation water-table well in sand of Marsland Formation of Tertiary age, diam 1½ in, depth 204 ft, screened 92-98. Lsd 4,032.95 ft above msl. MP top of casing, 1.85 ft above lsd. Highest water level 63.14 below lsd, Jan. 25, 1950; lowest 87.52 below lsd, Sept. 30, 1965. Records available: 1946-66. Oct. 17, 1962, 80.84; Oct. 30, 1963, 83.18; Oct. 27, 1964, 83.85 (well caved in); Sept. 30, 1965, 87.52; May 18, 1966, 84.01; Nov. 17, 86.25. Well replaced Sept. 27, 1965; new MP top of 1½-in pipe, 2.00 ft above lsd.

Brown County

423307N0994945.1. Local number 30-21-19cc. U.S. Geol. Survey. Formerly Consumers Public Power District. Ainsworth. Drilled observation water-table well in sand of Pleistocene age, diam 6 in, depth 52 ft, casing perforated below water table. Lsd 2,511.44 ft above msl. MP top of casing, 0.20 ft above lsd. Highest water level 34.40 below lsd, Oct. 23-25, 29, 1952; lowest 40.96 below lsd, Sept. 7, 1965. Records available: 1947-66.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	38.77	38.69	38.63	.....	38.72	39.91	38.57	37.96	37.79	.....	36.55	.....
10	38.76	38.66	38.61	.....	39.71	39.92	38.53	37.89	37.71	37.32	.....	36.29
15	38.74	38.65	38.62	.....	39.87	.....	38.46	37.82	37.58	37.11	.....	36.25
20	38.74	38.65	38.61	.....	39.89	.....	38.23	.....	.....	37.05	.....	36.23
25	38.71	38.64	38.61	.....	39.89	.....	38.13	37.79	.....	36.82	.....	36.22
Eom	38.70	38.64	.....	38.65	39.91	38.61	38.03	37.84	.....	36.65	.....	36.17
1963												
5	.....	.....	.....	.....	36.69	.....	36.95	37.34	37.72	37.30	.....	.....
10	36.13	.....	.....	.....	36.60	36.93	36.87	37.43	37.65	37.26	.....	.....
15	.....	.....	.....	.....	36.71	36.95	36.90	37.52	37.55	.....	h37.04	.....
20	.....	.....	.....	.....	36.80	36.92	36.95	37.59	37.50	.....	.....	.....
25	.....	.....	36.60	36.84	36.90	37.05	37.65	37.45	.....	.....	.....	h37.12
Eom	.....	.....	.....	36.67	.....	36.94	37.21	37.70	37.36	.....	.....	.....
1964												
5	.....	37.05	.....	37.19	37.27	37.51	37.77	38.42	39.01	38.88	38.66	38.57
10	.....	37.09	.....	.....	37.29	37.57	37.74	38.58	39.13	38.83	38.63	38.59
15	h37.02	37.08	.....	37.25	37.32	37.63	37.78	38.70	39.10	38.75	38.65	38.62
20	37.05	37.12	.....	37.25	37.35	37.68	37.90	38.84	38.99	38.73	38.67	38.60
25	37.07	37.14	.....	37.25	37.40	37.67	38.06	38.90	38.93	38.70	38.63	38.63
Eom	37.06	37.07	.....	37.25	37.46	37.70	38.24	39.06	38.90	38.70	38.58	38.59

423307N0994945, 1--Continued.

1965												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	38.60	38.56	38.61	38.66	38.76	38.80	38.95	40.07	40.95	40.52	40.06	39.85
10	38.60	38.59	38.62	38.65	38.75	38.84	38.95	40.23	40.90	40.40	40.04	39.81
15	38.62	38.59	38.63	38.69	38.76	38.85	39.10	40.45	40.80	40.30	40.01	39.77
20	38.57	38.62	38.65	38.72	38.86	38.85	39.27	40.60	40.70	40.27	39.93	39.75
25	38.59	38.59	38.65	38.69	38.80	38.84	39.51	40.71	40.64	40.20	39.89	39.72
Eom	38.63	38.61	38.65	38.70	38.80	38.88	39.80	40.64	40.53	40.15	39.85	39.73
1966												
5	39.68	39.59	39.57	39.45	39.40	39.44	39.50	40.32	40.33	40.14	39.90	39.77
10	39.66	39.60	39.53	39.44	39.39	39.42	39.65	40.40	40.33	40.09	39.87	39.75
15	39.68	39.57	39.50	39.45	39.42	39.42	39.89	40.39	40.37	40.06	39.84	39.76
20	39.65	39.58	39.50	39.44	39.39	39.40	39.98	.....	40.33	40.00	39.82	39.72
25	39.62	39.54	39.48	39.42	39.40	39.43	40.11	40.26	40.25	39.98	39.80	39.72
Eom	39.61	39.54	39.46	39.44	39.40	39.40	40.25	40.32	40.19	39.98	39.79	39.70

h Tape measurement.

## Buffalo County

404618N0985044.1. Local number 9-14-ldc. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 8 in, depth 37.5 ft, casing perforated below water table. Lsd 2,060.43 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 15.36 below lsd, June 11, 1952; lowest 27.22 below lsd, Aug. 25, 1957. Records available: 1946-66.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	22.79	22.68	22.55	22.30	22.03	21.85	21.69	21.54	22.68	21.90	21.64	21.50
10	22.82	22.62	22.50	22.24	21.99	21.82	21.62	21.35	22.42	21.85	21.58	21.46
15	22.74	22.60	22.51	22.20	21.98	21.78	21.60	21.56	22.26	21.80	21.55	21.40
20	22.72	22.60	22.45	22.13	21.95	21.76	21.55	22.12	22.15	21.76	21.53	21.41
25	22.68	22.59	22.41	22.10	21.91	21.72	21.47	22.42	22.05	21.75	21.57	21.40
Eom	22.69	22.58	22.34	22.07	21.91	21.70	21.48	22.56	21.96	21.67	21.50	21.34
1963												
5	21.33	21.19	21.00	20.95	20.79	20.61	21.54	24.07	23.53	24.17	23.99	23.88
10	21.29	21.13	20.97	20.85	20.75	20.60	22.11	24.07	23.75	24.16	24.00	23.86
15	21.28	21.10	20.96	20.85	20.73	20.56	22.55	23.81	23.89	24.16	23.88	23.86
20	21.21	21.10	21.02	20.84	20.72	20.53	22.84	23.54	24.00	24.08	23.92	23.85
25	21.20	21.05	20.90	20.83	20.69	20.52	23.14	23.64	24.07	24.04	23.91	23.82
Eom	21.18	21.05	20.98	20.85	20.66	20.67	23.70	23.49	24.15	24.00	23.90	23.83
1964												
5	23.81	23.71	23.63	23.58	23.45	23.40	23.81	26.10	26.74	26.18	25.90	25.71
10	23.80	23.70	23.62	23.56	23.45	23.40	24.25	26.46	26.66	26.12	25.85	25.69
15	23.77	23.68	23.63	23.55	23.43	23.39	24.32	26.73	26.53	26.06	25.83	25.66
20	23.75	23.68	23.60	23.50	23.43	23.37	24.76	26.82	26.44	26.01	25.79	25.65
25	23.74	23.65	23.60	23.49	23.42	23.39	25.29	26.64	26.35	25.97	25.76	25.61
Eom	23.73	23.65	23.59	23.50	23.41	23.43	25.81	26.52	26.25	25.92	25.75	25.60
1965												
5	25.59	25.48	25.37	25.25	25.09	24.85	24.37	25.06	25.84	24.87	24.11	23.73
10	25.59	25.45	25.36	25.21	25.08	24.78	24.21	25.34	25.64	24.70	24.04	23.67
15	25.56	25.44	25.33	25.18	25.05	24.70	24.08	25.57	25.45	24.55	23.95	23.63
20	25.54	25.42	25.32	25.15	25.05	24.62	23.97	25.75	25.29	24.44	23.89	23.56
25	25.51	25.40	25.29	25.13	25.00	24.55	24.52	25.74	25.18	24.31	23.84	23.52
Eom	25.50	25.38	25.28	25.11	24.93	24.48	24.80	25.64	25.02	24.20	23.80	23.47
1966												
5	23.40	23.20	23.05	22.85	22.65	22.51	22.40	25.22	26.03	25.49	25.22	25.07
10	23.39	23.18	22.98	22.79	22.65	22.50	23.24	25.43	26.15	25.42	25.18	25.06
15	23.35	23.14	22.94	22.77	22.59	22.46	23.88	25.37	26.93	25.36	25.16	25.03
20	23.32	23.15	22.91	22.74	22.59	22.45	24.35	25.29	25.78	25.33	25.15	25.01
25	23.28	23.07	22.90	22.70	22.59	22.44	24.85	25.41	25.66	25.29	25.13	24.99
Eom	23.23	23.04	22.84	22.70	22.57	22.41	25.15	25.80	25.57	25.25	25.11	24.97

404345N0985600.1. Local number 9-14-19dd. Robert D. Lewis. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diam 24 in, depth 54 ft, casing perforated below water table. Lsd 2,102.16 ft above msl. MP hole in pumpbase, 0.70 ft above lsd. Highest water level 22.55 below lsd, June 9, 1931; lowest 34.70 below lsd, Sept. 15, 1956, Aug. 19, 1957. Records available: 1930-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1962	29.20	May 20, 1963	27.35	Sept. 17, 1964	33.40	Oct. 18, 1965	32.00
Feb. 19	29.00	June 15	27.30	Oct. 21	33.10	Nov. 24	30.95
Mar. 17	28.90	July 17	30.70	Nov. 20	32.60	Jan. 15, 1966	30.10
Apr. 20	28.50	Aug. 19	34.05	Dec. 18	32.30	Feb. 16	29.70
May 17	28.30	Sept. 17	33.00	Jan. 19, 1965	32.00	Mar. 18	29.50
June 18	28.10	Oct. 23	32.00	Feb. 19	31.80	Apr. 25	29.20
July 17	27.50	Nov. 18	31.60	Mar. 18	31.50	May 4	29.20
Aug. 28	28.80	Dec. 4	31.60	Apr. 21	31.40	June 17	29.60
Sept. 19	28.60	Jan. 16, 1964	30.90	28	31.36	June 17	29.10
Oct. 23	29.40	Feb. 17	30.60	May 18	31.20	July 29	33.10
Nov. 21	28.10	Mar. 16	30.40	June 18	30.60	Aug. 16	33.10
Dec. 16	28.00	Apr. 22	30.15	July 8	30.40	Sept. 22	33.30
Jan. 17, 1963	27.90	May 19	29.90	20	31.40	Oct. 11	32.70
Feb. 18	27.60	June 20	29.60	Aug. 19	33.70	18	32.60
Mar. 20	27.70	July 27	32.80	Oct. 7	32.32	Nov. 18	32.10
Apr. 18	27.60						

Butler County

411420N0971730.1. Local number A15-1-27dd. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 5 in, depth 210 ft, perforated 199-210. Lsd 1,618 ft above msl. MP top of platform, at lsd. Highest water level 86.86 below lsd, July 17, 1959; lowest 108.63 below lsd, July 23, 1961. Records available: 1958-66.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	93.57	93.44	93.33	93.02	92.94	92.84	93.00	93.01	94.82	93.05	92.70	92.40
10	93.57	93.32	93.13	93.01	92.84	92.75	94.18	94.56	94.12	92.96	92.54	92.40
15	93.43	93.22	93.17	93.08	93.19	92.70	94.03	97.47	93.70	92.93	92.45	92.11
20	93.30	93.34	93.04	92.86	93.19	92.75	93.93	98.15	93.56	92.84	92.40	92.20
25	.....	93.25	93.08	92.84	93.15	92.71	93.47	97.50	93.40	92.85	92.50	92.22
Eom	.....	93.30	93.02	92.98	93.03	92.75	93.20	96.24	93.16	92.70	92.48	92.18

## 1963

5	92.03	91.75	91.54	91.36	91.24	90.73	90.65	.....	91.69	91.13	90.86	90.83
10	92.11	91.79	91.46	91.33	91.18	90.87	91.02	.....	91.48	91.06	91.02	90.95
15	.....	91.75	91.44	91.22	91.00	90.80	93.97	93.89	91.33	90.98	90.82	91.01
20	.....	91.79	91.61	91.32	91.00	91.08	96.09	92.69	91.44	91.06	90.84	90.89
25	.....	91.71	91.50	91.22	90.87	90.89	96.46	92.41	91.27	91.08	90.98	90.77
Eom	91.73	91.66	91.41	91.41	90.85	90.80	95.98	91.92	91.22	91.01	91.22	90.88

## 1964

5	90.83	90.69	90.80	90.68	90.72	90.75	.....	100.28	92.17	91.11	91.01	90.87
10	91.19	90.91	90.81	90.80	90.82	90.94	.....	98.57	92.02	90.98	90.78	90.69
15	.....	90.81	90.87	90.99	90.65	90.60	91.19	97.24	91.56	91.09	90.99	90.86
20	90.80	90.94	90.89	91.05	90.70	.....	92.05	95.07	91.39	90.97	91.02	90.81
25	90.75	90.85	90.86	90.84	90.76	.....	98.20	93.45	91.02	90.78	90.69	90.92
Eom	90.75	90.75	90.65	90.85	90.72	.....	101.15	92.42	90.99	90.79	91.02	90.92

## 1965

5	90.77	.....	90.78	90.75	90.68	90.64	90.66	91.39	91.29	90.69	90.48	90.39
10	90.90	.....	90.85	90.67	90.87	90.77	90.77	96.14	91.14	90.77	90.37	90.26
15	90.95	90.99	90.83	90.85	90.79	90.75	90.93	94.20	90.93	90.60	90.30	90.32
20	90.75	90.73	90.85	90.76	90.75	90.70	91.63	93.46	90.88	90.70	90.32	90.18
25	90.76	90.78	90.81	90.75	90.69	90.70	91.42	92.03	90.79	90.59	90.40	90.39
Eom	90.78	90.76	90.72	90.70	90.66	90.75	91.26	91.37	90.84	90.62	90.43	90.28

## 1966

5	90.25	90.00	90.23	90.00	89.77	89.80	89.79	91.20	91.00	90.82	.....	.....
10	90.30	90.14	89.90	89.90	89.98	89.84	90.40	94.51	90.90	90.62	.....	.....
15	90.17	90.09	89.87	89.91	89.80	89.75	90.95	92.92	90.92	90.96	.....	.....
20	90.13	90.23	89.95	89.99	89.79	89.73	91.10	91.85	90.80	91.32	.....	.....
25	90.10	89.90	90.00	89.85	89.91	89.80	91.11	91.35	90.70	90.77	.....	.....
Eom	89.94	89.91	89.87	89.95	89.89	89.73	91.21	91.14	90.76	.....	.....	.....

Chase County

403220N1013840.1. Local number 7-38-28cc. Roy Hust. Drilled unused water-table well in sand of Pleistocene age, diam 18 in, depth 143 ft, casing perforated below water table. Lsd 3,284.6 ft above msl. MP top of casing, 0.30 ft above lsd. Highest water level 72.82 below lsd, June 29, 1964; lowest 76.93 below lsd, Aug. 25, Sept. 10, 1957. Records available: 1944, 1948-66. Recording gage removed Dec. 24, 1963.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	74.90	74.78	74.77	74.63	.....	74.76	74.78	.....	.....	.....	74.62	74.53
10	74.94	74.69	74.58	74.63	.....	74.69	c75.63	.....	.....	.....	74.61	74.53
15	74.83	74.72	74.66	74.64	.....	74.63	74.77	.....	.....	74.91	74.60	74.37
20	74.75	74.64	74.62	74.48	.....	74.67	.....	.....	.....	74.80	74.47	74.42
25	74.65	74.71	74.65	74.54	74.67	74.70	.....	.....	.....	74.79	74.58	74.42
Eom	74.67	74.73	74.65	74.67	74.76	74.69	.....	.....	.....	74.65	74.45	74.32

## 1963

5	74.37	74.27	74.15	74.00	74.05	74.10	(c)	(c)	.....	75.12	74.67	74.35
10	74.41	74.30	74.04	74.01	74.53	74.09	.....	.....	d76.40	75.06	74.67	74.26
15	74.38	74.18	73.95	73.97	73.95	74.05	.....	.....	75.85	74.95	74.48	74.40
20	74.26	74.25	74.20	73.99	74.04	73.96	.....	h76.12	75.60	74.84	74.45	74.30
25	74.24	74.19	74.18	73.99	73.90	(c)	.....	.....	75.41	74.79	74.56	.....
Eom	74.20	74.20	74.03	74.05	d74.41	.....	.....	.....	75.23	74.80	74.46	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 24, 1963	74.19	May 4, 1964	72.88	June 29, 1964	72.82	Oct. 26, 1965	74.41
Jan. 29, 1964	73.22	June 1	72.88	July 9	73.40	Nov. 3, 1966	75.24
Mar. 4	73.08	18	72.86	Oct. 1	76.17		

c Nearly well being pumped.

d Nearly well pumped recently.

h Tape measurement.

403235N1013955.1. Local number 7-38-29ebb. U.S. Geol. Survey. Imperial. Drilled observation water-table well in sand of Pleistocene age, diam 5½ in, depth 230 ft, casing perforated below water table. Lsd 3,290.30 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 55.87 below lsd, July 4, 1964; lowest 59.78 below lsd, Aug. 31, 1966. Records available: 1964-66.

403235N1013955.1--Continued.

## Lowest water level for the day, from recorder graph, 1964

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	55.93	57.84	58.60	58.57	.....	57.59
10	.....	.....	.....	.....	.....	.....	56.25	58.10	58.74	58.59	57.75	57.42
15	.....	.....	.....	.....	.....	.....	56.65	58.17	58.45	.....	57.84	57.26
20	.....	.....	.....	.....	.....	.....	56.89	57.94	58.26	.....	57.80	57.42
25	.....	.....	.....	.....	.....	.....	57.30	58.51	58.20	.....	57.63	57.43
Eom	.....	.....	.....	.....	.....	56.00	57.54	58.59	58.16	.....	57.75	57.36

1965

5	57.22	56.92	56.86	56.65	.....	56.71	56.60	58.05	58.12	57.75	57.55	57.35
10	57.27	57.00	56.80	56.54	.....	56.74	56.60	58.51	58.05	57.83	57.48	57.26
15	57.25	57.05	56.81	56.75	56.97	56.69	56.64	58.58	57.89	57.62	57.39	57.27
20	57.11	57.01	56.85	56.63	56.79	56.68	57.40	58.61	57.89	57.75	57.39	57.28
25	57.11	56.90	56.75	56.64	56.75	56.60	58.00	58.14	57.81	57.65	57.38	57.29
Eom	57.11	56.92	56.69	56.61	56.65	56.70	57.76	58.12	57.84	57.73	57.41	57.12

1966

5	57.22	56.97	.....	56.80	56.64	56.80	57.75	59.45	59.12	58.73	58.32	57.94
10	57.22	57.00	.....	56.62	56.62	56.75	58.03	59.41	59.01	58.63	58.20	58.11
15	57.16	56.95	.....	56.75	56.69	56.65	58.55	58.93	58.95	58.64	58.15	57.95
20	57.10	56.99	.....	56.75	56.60	56.65	58.88	59.05	58.90	58.40	58.11	57.80
25	57.05	56.88	56.80	56.71	56.61	56.73	59.00	59.37	58.85	58.43	58.10	57.80
Eom	56.97	.....	56.79	56.79	56.72	57.45	59.11	59.78	58.79	58.40	58.10	57.71

## Cherry County

423205N1003215.1. Local number 30-28-36aaa. U.S. Geol. Survey. Bored observation water-table well in sand and peat, diam 1½ in, depth 12 ft, cased with galvanized iron. Lsd 2,897.26 ft above msl. MP 3.00 ft above lsd. Highest water level +0.08 below lsd, Oct. 31, 1963; lowest 0.71 below lsd, Oct. 11, 1961. Records available: 1961-66. Oct. 18, 1962, 0.44; Oct. 31, 1963, +0.08; July 23, 1964, 0.50 (measurement made by Valentine Refuge); Nov. 17, 0.10; Sept. 24, 1965, 0.22; Oct. 4, 1966, +0.02.

425532N1014555.1. Local number 34-38-14bc. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 1 in, depth 17 ft, screened 15-17. Lsd 3,308 ft above msl. MP top of casing, 2.30 ft above lsd. Highest water level 5.20 below lsd, Apr. 2, 1952; lowest 8.14 below lsd, Aug. 9, 1937. Records available: 1936-41, 1944-47, 1951-66. Oct. 18, 1962, 6.57; May 20, 1963, 6.11; Oct. 31, 7.17; Nov. 17, 1964, 7.02; Sept. 24, 1965, 7.13; Oct. 4, 1966, 7.30.

## Cheyenne County

410917N1024100.1. Local number 14-47-26cb. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 1 in, depth 29 ft, screened 27-29. Lsd 3,872.8 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 18.32 below lsd, Mar. 28, 1951; lowest 22.24 below lsd, Sept. 24, 1964. Records available: 1940-42, 1944, 1947, 1950-52, 1954-66. Oct. 16, 1962, 18.38; Oct. 29, 1963, 21.13; Sept. 24, 1964, 22.24; Sept. 21, 1965, 19.28; Nov. 8, 1966, 19.93.

## Clay County

402940N0981540.1. Local number 6-8-17bb. Willard W. Kissinger. Drilled irrigation water-table well in sand of Pleistocene age, diam 18 in, depth 151 ft, casing perforated below water table. Lsd 1,846 ft above msl. MP hole in turbine base, at lsd. Highest water level 95.53 below lsd, June 24, 1954; lowest 100.11 below lsd, Oct. 2, 1964. Records available: 1952, 1954-66. Oct. 16, 1962, 98.13; Oct. 9, 1963, 99.33; Oct. 2, 1964, 100.11; Oct. 19, 1965, 99.67; Oct. 11, 1966, 99.99.

## Colfax County

412810N0970545.1. Local number A17-3-4cc. U.S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diam 1½ in, depth 16 ft, screened 14-16. Lsd 1,370.58 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 4.15 below lsd, Apr. 1, 1952; lowest 7.62 below lsd, Nov. 28, 1956. Records available: 1946-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 23, 1962	5.59	Feb. 24, 1964	6.03	Oct. 8, 1964	6.22	Apr. 19, 1965	5.31
Sept. 5, 1963	6.27	Apr. 1	5.77	Nov. 5	6.27	July 30	5.57
Oct. 16	6.18	May 1	5.38	Dec. 18	6.15	Aug. 20	6.03
Oct. 23	6.67	May 27	5.50	Jan. 14, 1965	6.18	Nov. 19	5.34
Nov. 27	6.25	June 24	4.90	Feb. 27	5.94	May 26, 1966	5.67
Dec. 22	6.23	Aug. 2	6.20	Mar. 27	5.35	Oct. 19	6.21
Jan. 30, 1964	6.14	28	6.13				

## Custer County

413910N0992850.1. Local number 19-19-2bb. Ralph Slagel. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diam 18 in, depth 69 ft, casing perforated below water table. Lsd 2,361.95 ft above msl. MP hole in turbine base, at lsd. Highest water level 10.57 below lsd, Oct. 27, 1964; lowest 19.41 below lsd, Sept. 1, 1954. Records available: 1949-55, 1957-66.

Apr. 23, 1962	g12.90	Oct. 9, 1963	g11.6	Oct. 27, 1964	10.57	Nov. 4, 1965	11.60
Oct. 1	g10.80	Nov. 13	11.58	Dec. 10	g11.9	Apr. 5, 1966	g12.6
Nov. 8	11.44	Mar. 17, 1964	g13.1	Feb. 2, 1965	g12.4	Sept. 29	11.79
Apr. 29, 1963	g12.9	Oct. 8	g11.2	Oct. 11	g11.6	Oct. 12	g12.0

g Measurement made by U. S. Bureau of Reclamation, Sargent, Nebraska.



Dawes County

424100N1032435.1. Local number 31-52-3dc. T. P. Moody. Drilled observation water-table well in sand and alluvium, diam 8 in, depth 39 ft, casing perforated below water table. Lsd 3,685 ft above msl. MP edge of iron plate, 1.07 ft above lsd. Highest water level 15.87 below lsd, May 30, 1948; lowest 22.28 below lsd, Oct. 31, 1956. Records available: 1934-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1962	21.16	Apr. 23, 1963	20.18	July 18, 1964	20.52	Oct. 19, 1965	20.16
Feb. 21	21.16	May 21	20.06	Aug. 25	21.15	Nov. 15	20.18
Mar. 23	21.07	June 20	20.14	Sept. 25	21.45	Dec. 16	20.31
Apr. 19	20.86	July 22	20.78	27	21.70	Jan. 13, 1966	20.33
May 24	20.47	Aug. 26	21.36	Oct. 21	21.52	Feb. 18	20.44
June 20	19.92	Sept. 20	21.11	Nov. 18	20.91	Mar. 14	20.21
July 23	19.53	Oct. 22	21.14	Dec. 21	20.72	Apr. 12	20.05
Aug. 23	19.81	30	21.10	Jan. 19, 1965	20.63	May 23	19.83
Sept. 20	20.29	Nov. 27	20.73	Feb. 18	20.55	June 23	20.00
Oct. 17	20.27	Dec. 27	20.55	Mar. 24	20.45	July 20	20.52
18	20.41	Jan. 20, 1964	20.33	Apr. 26	20.37	Aug. 23	20.58
Nov. 23	20.30	Feb. 21	20.24	May 21	20.13	Sept. 20	20.83
Dec. 13	20.31	Mar. 18	20.17	June 21	19.69	Oct. 21	20.57
Jan. 22, 1963	20.29	Apr. 20	20.18	July 19	19.64	Nov. 21	20.21
Feb. 19	20.32	May 20	19.98	Aug. 16	20.20	Dec. 20	20.15
Mar. 25	20.29	June 19	19.81	Sept. 22	20.37		

Dawson County

405250N0994455.1. Local number 10-21-18ddd. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 6 in, depth 120 ft, casing perforated below water table. Lsd 2,420.58 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 9.74 below lsd, Oct. 24, 25, 29, 1965; lowest 15.88 below lsd, Aug. 8, 1964. Records available: 1964-66.

## Lowest water level for the day, from recorder graph, 1964

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	13.51	15.58	.....	14.98	15.36	15.47
10	.....	.....	.....	.....	.....	.....	13.60	15.80	.....	14.97	15.35	15.40
15	.....	.....	.....	.....	.....	.....	13.58	15.31	.....	15.06	15.47	15.42
20	.....	.....	.....	.....	.....	.....	.....	14.48	15.07	15.18	15.50	15.45
25	.....	.....	.....	.....	.....	.....	.....	14.34	14.92	15.20	15.44	15.48
Eom	.....	.....	.....	.....	.....	.....	15.67	.....	14.92	15.29	15.51	15.50

## 1965

5	15.48	15.49	15.50	15.50	15.63	13.46	.....	13.22	12.08	10.70	9.86	10.34
10	15.52	15.55	15.51	15.46	15.63	13.45	12.54	13.10	12.03	10.68	9.90	10.34
15	15.55	15.58	15.50	15.57	15.65	13.38	12.55	14.29	11.95	10.60	9.94	10.40
20	15.50	15.55	15.53	15.55	15.49	13.31	12.59	14.55	11.91	9.95	10.04	10.42
25	15.50	15.53	15.51	15.55	14.50	.....	13.05	11.98	11.19	9.80	10.15	10.55
Eom	15.54	15.51	15.51	15.59	13.43	.....	13.46	12.06	10.97	9.87	10.23	10.60

## 1966

5	10.69	10.97	11.10	11.16	11.33	11.25	11.65	12.88	12.67	13.45	13.74	13.90
10	10.73	10.94	11.07	11.13	11.38	10.90	12.65	12.78	12.74	13.55	13.79	13.94
15	10.85	10.85	11.12	11.19	11.35	11.06	12.90	12.64	12.87	13.65	13.83	14.03
20	10.88	10.97	11.16	11.21	11.28	11.13	13.37	12.65	13.13	13.62	13.86	14.07
25	10.90	10.92	11.20	11.24	11.28	11.22	13.48	12.70	13.28	13.72	13.86	.....
Eom	10.93	10.95	11.17	11.33	11.34	11.24	12.97	12.99	13.36	13.73	13.97	.....

404850N0995035.1. Local number 10-22-29aa. U.S. Geol. Survey. Drilled observation water-table well in gravel of Pleistocene age, diam 1 in, depth 12 ft, screened 10-12. Lsd 2,435.14 ft above msl. MP top of casing, 1.80 ft above lsd. Highest water level 1.52 below lsd, July 12, 1947; lowest 8.34 below lsd, Dec. 28, 1955. Records available: 1931-43, 1945-55, 1957-66. Nov. 1, 1962, 4.29; Nov. 2, 1963, 6.66; Oct. 28, 1964, 7.38; Oct. 5, 1965, 4.25; Nov. 15, 1966, 6.92.

Dundy County

400155N1015213.1. Local number 1-40-29bb. U.S. Geol. Survey. Drilled observation water-table well in silt and clay, diam 8 in, depth 21 ft, casing perforated below water table. Lsd 3,207.0 ft above msl. MP top of casing, 1.60 ft above lsd. Highest water level 10.12 below lsd, Aug. 22-23, 1950; lowest 15.32 below lsd, Sept. 28, 1964. Records available: 1946-66.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.44	13.34	13.28	13.22	13.23	13.48	13.18	12.84	.....	.....	13.34	13.27
10	13.43	13.33	13.27	13.21	13.27	13.45	13.11	12.81	.....	13.30	13.33	13.27
15	13.41	13.32	13.26	13.20	13.36	13.41	13.11	.....	.....	13.33	13.32	13.25
20	13.39	13.31	13.25	13.19	13.40	13.40	13.09	.....	.....	13.33	13.30	13.22
25	13.37	13.30	13.24	13.19	13.45	13.40	13.09	.....	.....	13.33	13.30	13.21
Eom	13.36	13.29	13.23	13.20	13.48	13.42	13.08	.....	.....	13.35	13.28	13.19

## 1963

5	13.18	13.10	13.02	13.00	13.15	13.57	14.08	14.55	14.36	14.04	.....	.....
10	13.16	13.07	13.02	12.99	13.20	13.65	14.15	14.59	14.30	14.01	.....	.....
15	13.16	13.04	13.02	13.00	.....	13.73	14.25	14.61	14.28	13.99	.....	.....
20	13.15	13.03	13.01	13.01	13.35	13.79	14.31	14.63	14.28	.....	.....	.....
25	13.15	13.02	13.01	13.05	13.41	13.86	14.39	14.63	14.15	.....	.....	.....
Eom	13.12	13.02	13.01	13.08	13.50	13.96	14.48	14.50	14.08	.....	.....	.....

400155N1015213.1--Continued.

1964												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	13.64	13.57	13.49	13.41	13.55	13.90	14.72	15.19	15.30	15.08	14.80
10	.....	13.63	13.55	13.47	13.40	13.60	14.03	14.80	15.25	15.25	15.02	14.77
15	.....	13.61	13.54	13.46	13.40	13.64	14.15	14.89	15.28	15.20	14.99	14.75
20	13.68	13.60	13.52	13.45	.....	13.67	14.30	14.98	15.28	15.19	14.95	14.72
25	13.67	13.59	13.51	13.43	.....	13.69	14.46	15.06	15.30	15.15	14.90	14.69
Eom	13.65	13.58	13.50	13.42	.....	13.79	14.61	15.12	15.30	15.10	14.85	14.67
1965												
5	14.64	14.51	14.38	14.31	14.25	14.82	14.56	14.72	14.42	14.19	13.97	13.84
10	14.62	14.50	14.36	14.27	14.30	14.87	14.50	14.81	14.36	14.15	13.95	13.84
15	14.60	14.47	14.35	14.27	14.47	14.82	14.44	14.91	14.30	14.10	13.94	13.84
20	14.58	14.45	14.35	14.25	14.58	14.67	14.45	15.00	14.30	14.09	13.91	13.85
25	14.56	14.43	14.34	14.24	14.69	14.62	14.60	14.86	14.26	14.02	13.89	13.86
Eom	14.54	14.40	14.32	14.22	14.72	14.57	14.62	14.54	14.23	13.98	13.86	13.84
1966												
5	13.82	13.68	13.61	13.52	13.45	13.79	13.97	14.24	14.32	14.45	14.30	14.13
10	13.74	13.66	13.55	13.49	13.46	13.85	14.06	14.28	14.40	14.47	14.27	14.12
15	13.75	13.64	13.54	13.49	13.45	13.84	14.22	14.16	14.45	14.48	14.24	14.10
20	13.74	13.63	13.54	13.50	13.49	13.80	14.32	14.25	14.45	14.44	14.21	14.07
25	13.72	13.60	13.54	13.47	13.54	13.85	14.35	14.13	14.45	14.40	14.19	14.05
Eom	13.70	13.60	13.50	13.48	13.67	13.90	14.15	14.25	14.45	14.35	14.15	14.05

## Fillmore County

402450N0974340.1. Local number 5-4-12bc. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 8 in, depth 100 ft, perforated 80-100. Lsd 1,636 ft above mal. MP top of casing, at lsd. Highest water level 73.13 below lsd, June 15, 1957; lowest 80.80 below lsd, Sept. 14-15, 1966. Records available: 1956-66.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	76.74	76.64	76.49	76.31	76.23	76.15	76.05	76.53	77.02	76.96	76.85	76.73
10	76.74	76.53	76.39	76.31	76.19	76.10	76.12	76.58	77.04	76.95	76.80	76.74
15	76.69	76.50	76.42	76.33	76.21	76.07	76.19	76.70	77.05	76.99	76.80	76.66
20	76.62	76.49	76.41	76.21	76.17	76.12	76.23	76.82	77.08	76.95	76.73	76.68
25	76.57	76.45	76.39	76.23	76.15	76.03	76.38	76.90	77.04	76.95	76.77	76.67
Eom	76.55	76.50	76.32	76.27	76.16	76.05	76.48	76.99	77.01	76.87	76.72	76.61
1963												
5	76.63	76.55	76.44	76.30	76.29	76.16	76.28	77.14	77.51	77.55	77.43	77.42
10	76.65	76.56	76.43	76.30	76.29	76.19	76.47	77.26	77.51	77.51	77.48	77.43
15	76.62	76.50	76.39	76.24	76.23	76.18	76.58	77.35	77.54	77.50	77.46	77.44
20	76.58	76.56	76.48	76.31	76.23	76.17	76.67	77.44	77.57	77.50	77.47	77.40
25	.....	76.52	76.42	76.30	76.19	76.17	76.83	77.49	77.58	77.49	77.50	77.34
Eom	76.45	76.51	76.35	76.34	76.17	76.20	77.02	77.50	77.54	77.50	77.47	77.33
1964												
5	77.30	77.15	77.15	76.98	76.94	76.92	76.97	78.14	78.76	78.83	78.72	78.62
10	77.29	77.24	77.13	77.00	76.96	76.98	77.21	78.32	78.85	78.78	78.65	78.54
15	77.27	77.19	77.10	77.01	76.94	76.93	77.38	78.46	78.83	78.73	78.70	78.51
20	77.27	77.17	77.10	76.97	76.95	76.90	77.52	78.62	78.84	78.75	78.74	78.56
25	77.23	77.19	77.04	76.95	76.95	76.88	77.69	78.70	78.78	78.70	78.67	78.55
Eom	77.23	77.13	77.01	76.97	76.95	76.89	77.89	78.75	78.80	78.70	78.67	78.50
1965												
5	78.45	78.30	78.30	78.16	78.07	78.07	78.03	78.86	79.74	79.74	79.55	79.46
10	78.46	78.42	78.30	78.12	78.14	78.08	78.05	79.01	79.80	79.78	79.54	79.39
15	78.52	78.42	78.29	78.20	78.13	78.05	78.15	79.17	79.79	79.70	79.47	79.38
20	78.44	78.37	78.29	78.11	78.05	78.04	78.38	79.32	79.78	79.73	79.48	79.34
25	78.42	78.32	78.24	78.12	78.05	77.99	78.57	79.44	79.80	79.68	79.49	79.37
Eom	78.47	78.32	78.19	78.09	78.00	78.07	78.73	79.60	79.80	79.69	79.46	79.34
1966												
5	79.30	79.08	79.07	78.88	78.77	78.90	78.90	79.97	80.71	80.74	80.55	80.35
10	79.31	79.13	78.95	78.83	78.77	78.90	79.14	80.13	80.75	80.72	80.50	80.42
15	79.25	79.09	78.93	78.84	78.77	78.86	79.36	80.30	80.80	80.76	80.46	80.36
20	79.21	79.11	78.91	78.88	78.73	78.83	79.57	80.40	80.77	80.63	80.44	80.29
25	79.18	79.03	78.91	78.81	78.77	78.85	79.71	80.47	80.75	80.65	80.43	80.31
Eom	79.12	79.00	78.90	78.85	78.88	78.80	79.86	80.62	80.74	80.59	80.47	80.24

403800N0973007.1. Local number 8-2-26ad1. U.S. Geol. Survey. Drilled observation water-table well in Peorian Loess of Pleistocene age, diam 8 in, depth 40 ft, perforated 25-40. Lsd 1,610 ft above msl. MP top of casing, at lsd. Highest water level 12.67 below lsd, June 12, 1965; lowest 24.16 below lsd, July 10, 1958. Records available: 1956-66.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.93	18.59	19.38	17.90	18.69	19.15	19.78	19.69	20.29	20.07	19.90	20.06
10	20.23	18.97	19.03	18.15	18.69	19.22	19.98	19.90	20.05	20.05	19.75	20.23
15	19.98	19.07	19.26	18.54	19.07	19.21	19.98	20.18	20.07	20.17	19.83	19.94
20	19.89	18.70	16.41	18.15	19.20	19.67	20.03	20.30	20.30	20.04	19.68	20.21
25	19.70	18.97	16.74	18.37	19.20	19.76	20.20	20.27	20.17	20.09	20.09	20.25
Eom	19.85	19.33	17.50	18.67	19.42	19.75	20.16	20.25	20.16	19.87	20.00	20.11

403800N0973007.1--Continued.

1963												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	20.30	20.36	20.34	19.89	20.38	20.51	21.30	21.22	19.77	19.60	19.62	19.85
10	20.28	20.10	19.99	19.98	20.43	20.83	21.33	21.17	19.86	19.64	19.85	20.04
15	20.43	20.23	18.85	19.90	20.40	20.95	21.17	20.90	19.88	19.62	19.65	20.23
20	20.26	20.40	19.50	20.07	20.52	21.00	21.35	20.62	19.97	19.62	19.70	20.10
25	20.30	20.40	19.69	20.17	20.37	21.10	21.38	20.60	19.31	19.65	19.92	19.88
Eom	20.26	20.42	19.76	20.42	20.48	21.20	21.28	20.50	19.43	19.83	19.93	20.14
1964												
5	20.05	20.23	20.59	20.72	20.00	20.58	20.66	21.07	20.91	21.14	21.04	21.09
10	20.17	20.59	20.65	20.84	20.27	20.77	20.88	20.96	21.01	21.07	20.81	20.90
15	20.19	20.46	20.73	20.95	20.25	20.64	20.79	20.88	20.96	20.94	21.06	21.01
20	20.16	20.68	20.85	20.84	20.42	20.53	20.85	20.68	20.85	21.03	21.14	21.11
25	20.29	20.59	20.80	20.90	20.55	20.57	20.96	20.82	20.79	20.87	20.95	21.15
Eom	20.39	20.45	20.76	20.00	20.65	20.61	20.93	20.80	20.90	20.86	21.18	21.20
1965												
5	21.18	21.14	21.24	21.07	20.60	.....	16.76	18.29	19.01	17.70	17.77	18.12
10	21.25	21.36	21.21	20.30	20.55	.....	17.25	18.63	18.84	17.96	17.70	17.94
15	21.36	21.44	21.20	20.74	20.62	.....	17.46	18.78	18.65	17.67	17.54	18.10
20	21.22	21.23	21.22	20.67	20.63	16.62	17.54	18.70	18.55	17.94	17.70	17.94
25	21.19	21.31	21.21	20.73	.....	16.98	17.94	18.40	18.55	17.90	17.85	18.42
Eom	21.31	21.04	21.18	20.67	.....	16.87	18.10	18.71	17.54	17.98	18.08	18.19
1966												
5	18.41	18.42	18.86	18.95	19.15	19.90	20.45	18.99	19.02	19.75	19.65	19.70
10	18.50	18.42	18.63	18.90	19.29	19.99	20.57	18.83	19.10	19.75	19.58	20.09
15	18.46	18.53	18.69	19.10	19.24	20.05	20.60	18.78	19.25	19.87	19.65	20.00
20	18.54	18.85	18.76	19.19	19.34	20.20	20.44	18.83	19.25	19.59	19.70	19.80
25	18.50	18.44	18.92	19.14	19.63	20.43	20.23	18.75	19.43	19.74	19.73	20.03
Eom	18.32	18.40	18.80	19.35	19.86	20.48	19.11	18.95	19.52	19.65	19.97	19.85

## Furnas County

401718N0994910.1. Local number 4-22-29ad. U. S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 1½ in, depth 23 ft, screened 21-23. Lsd 2,134 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 5.1 below lsd, Oct. 13, 1965; lowest 17.60 below lsd, Aug. 13, 1946. Records available: 1946-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1962	g11.4	June 6, 1963	g12.5	Oct. 2, 1964	g10.0	Dec. 3, 1965	g8.4
Mar. 14	g12.3	Aug. 6	g7.4	Nov. 3	10.96	Feb. 11, 1966	g9.5
May 10	g12.3	Oct. 9	g10.3	Dec. 8	g12.2	Apr. 8	g10.5
June 19	g11.0	21	10.64	Feb. 10, 1965	g12.1	June 22	g9.0
Aug. 31	g8.8	Dec. 13	g11.3	Apr. 12	g12.6	Aug. 4	g9.6
Oct. 10	g10.5	Feb. 13, 1964	g12.4	June 16	g9.3	Oct. 10	11.60
29	10.99	Apr. 16	g11.7	Aug. 11	g7.7	13	g11.5
Feb. 13, 1963	g12.3	June 19	g12.4	Oct. 13	g5.1	Dec. 8	g12.1
Apr. 17	g11.8	Aug. 11	g8.6	25	5.88		

g Measurement made by U. S. Bureau of Reclamation, McCook, Nebraska.

## Garden County

414413N1022445.1. Local number 20-44-5db. Crescent Lake Migratory Bird Refuge. Drilled observation water-table well in fine sand, diam 1½ in, depth 20 ft, screened 18-20. Lsd 3,798.19 ft above msl. MP top of casing, 2.50 ft above lsd. Highest water level 4.30 below lsd, Oct. 21, 1934; lowest 8.70 below lsd, Apr. 11, 1941. Records available: 1934-66. Measurements made by Crescent Lake National Wildlife Refuge.

Jan. 5, 1962	7.39	Mar. 29, 1963	6.89	June 9, 1964	6.79	Sept. 30, 1965	6.8
Mar. 20	5.49	June 20	6.79	Sept. 21	7.39	Dec. 21	6.9
June 30	7.19	Sept. 25	6.99	Dec. 3	7.69	Mar. 25, 1966	6.7
Oct. 28	7.39	Dec. 16	7.09	Mar. 23, 1965	8.19	June 24	6.6
Jan. 4, 1963	7.29	Apr. 1, 1964	7.00	June 24	7.11	Oct. 5	7.1

## Garfield County

414718N0990832.1. Local number 21-16-14cb. Frank Smolik. Drilled irrigation water-table well in gravel of Pleistocene age, diam 18 in, depth 154 ft, casing perforated below water table. Lsd 2,174 ft above msl. MP hole in turbine base, 2.00 ft above lsd. Highest water level 22.83 below lsd, Sept. 22, 1966; lowest 24.92 below lsd, Oct. 28, 1959. Records available: 1950-66. Nov. 8, 1962, 23.87; Nov. 13, 1963, 24.06; Oct. 27, 1964, 24.35; Nov. 17, 1965, 23.11; Sept. 22, 1966, 22.83.

## Gosper County

403626N0994514.1. Local number 7-21-6bc. Andy Larson Estate. Drilled unused water-table well in Ogallala Formation of Pliocene age, diam 4 in, depth 132 ft, casing perforated below water table. Lsd 2,466.95 ft above msl. MP top of casing, 0.40 ft above lsd. Highest water level 63.35 below lsd, Nov. 4, 1966; lowest 117.80 below lsd, Sept. 26, 1935. Records available: 1934-40, 1948-66. Nov. 1, 1962, 72.76; Oct. 23, 1963, 71.53; Dec. 7, 1964, 69.81; Oct. 27, 1965, 68.07; Nov. 4, 1966, 66.35.

Grant County

420147N1013220.1. Local number 24-36-30bb. U.S. Geol. Survey. Drilled observation water-table well in fine sand, diam 1 in, depth 15 ft, screened 13-15. Led 3,588 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 3.59 below led, June 8, 1935; lowest 6.62 below led, July 22, 1940. Records available: 1934-42, 1946-55, 1957-68. Oct. 18, 1962, 4.60; Oct. 30, 1963, 4.53; Oct. 26, 1964, 4.85; Sept. 23, 1965, 4.54; Oct. 3, 1966, 4.65; Nov. 22, 4.55.

Hall County

405315N0983043.1. Local number 11-11-25cc. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 8 in, depth 37 ft, casing perforated below water table. Led 1,922.4 ft above msl. MP top of casing, 1.60 ft above led. Highest water level 12.18 below led, June 25, 1949; lowest 23.99 below led, Aug. 15, 1967. Records available: 1946-66.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	19.12	19.10	19.10	18.56	18.64	18.62	18.45	17.90	18.10	18.32	18.40	18.46
10	19.12	19.10	19.09	18.63	18.64	18.60	18.39	17.87	18.17	18.32	18.40	18.47
15	19.10	19.09	19.12	18.65	18.63	18.58	18.30	17.87	18.23	18.33	18.41	18.48
20	19.11	19.09	19.10	18.65	18.65	18.57	18.20	17.85	18.27	18.35	18.43	18.48
25	19.11	19.12	18.02	18.65	18.64	18.55	18.05	17.93	18.29	18.37	18.45	18.50
Eom	19.11	19.11	18.53	18.64	18.63	18.50	17.96	18.00	18.30	18.39	18.46	18.50

## 1963

5	18.50	.....	18.49	18.50	18.53	18.53	17.46	18.30	19.44	19.82	19.90	20.00
10	18.48	18.51	18.49	18.50	18.52	18.49	17.54	18.49	19.59	19.83	19.91	20.00
15	.....	18.50	18.50	18.52	18.53	18.45	17.66	18.65	19.68	19.85	19.93	20.02
20	.....	18.49	18.50	18.50	18.54	18.07	17.80	18.85	19.73	19.85	19.95	.....
25	.....	18.49	18.50	18.51	18.55	17.63	17.98	19.05	19.77	19.81	19.95	.....
Eom	.....	18.49	18.50	18.52	18.54	17.47	18.15	19.28	19.80	19.89	19.98	.....

## 1964

5	.....	20.10	20.13	20.15	19.75	19.67	19.63	20.03	20.71	20.71	20.77	20.83
10	20.05	20.10	20.14	20.15	19.78	19.65	19.64	20.14	20.73	20.72	20.77	20.84
15	20.06	20.10	20.15	20.15	19.76	19.65	19.88	20.27	20.73	20.73	20.79	20.86
20	20.06	20.12	20.15	20.15	19.74	19.64	19.72	20.42	20.73	20.74	20.81	20.87
25	20.07	20.13	20.15	20.15	19.71	19.65	19.80	20.58	20.74	20.76	20.82	20.88
Eom	20.10	20.13	20.16	19.48	19.69	19.64	19.92	20.66	20.71	20.77	20.83	20.89

## 1965

5	20.90	20.94	20.97	20.98	20.93	20.74	20.60	21.02	21.93	21.67	20.99	20.85
10	20.91	20.94	20.97	20.97	20.92	20.68	20.57	21.19	21.96	21.50	20.94	20.84
15	20.92	20.95	20.97	20.96	20.91	20.65	20.55	21.38	21.95	21.34	20.91	20.83
20	20.92	20.96	20.98	20.95	20.90	20.63	20.57	21.55	21.91	21.21	20.89	20.82
25	20.92	20.97	20.98	.....	20.90	20.61	20.66	21.73	21.87	21.12	20.87	20.81
Eom	20.93	20.97	20.98	20.94	20.83	20.60	20.85	21.68	21.80	21.05	20.86	20.80

## 1966

5	20.80	20.74	20.70	20.65	20.63	20.58	20.54	21.11	21.51	21.79	21.82	21.87
10	20.79	20.73	20.70	20.65	20.62	20.57	20.54	21.12	21.61	21.79	21.84	21.87
15	20.75	20.72	20.69	20.65	20.61	20.56	20.64	21.20	21.70	21.79	21.85	21.88
20	20.74	20.72	20.67	20.64	20.60	20.56	20.79	21.30	21.74	21.80	21.85	21.87
25	20.74	20.71	20.67	20.64	20.59	20.55	20.95	21.36	21.76	21.80	21.85	21.87
Eom	20.74	20.71	20.66	20.63	20.59	20.55	21.11	21.42	21.77	21.81	21.86	21.87

Hamilton County

404925N0975833.1. Local number 10-6-26bc. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 8 in, depth 131 ft, casing perforated below water table. Led 1,790.5 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 84.90 below lsd, June 20, 1956; lowest 97.26 below lsd, Aug. 31, 1966. Records available: 1956-66.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	88.29	88.15	87.97	87.74	87.65	.....	.....	87.25	89.94	88.97	88.60	88.33
10	88.25	88.05	87.89	87.75	87.59	87.47	87.33	87.39	89.68	88.88	88.50	88.34
15	88.21	88.06	87.87	87.75	87.58	87.42	87.35	88.67	89.46	88.88	88.48	88.21
20	88.10	88.01	87.87	87.66	.....	87.40	87.37	89.22	89.35	88.77	88.44	88.22
25	88.08	88.02	87.89	87.65	.....	87.38	87.29	90.09	89.20	88.73	88.40	88.19
Eom	88.12	87.96	87.75	87.69	.....	.....	87.27	90.16	.....	88.62	88.34	88.11

## 1963

5	88.11	.....	87.75	87.62	.....	.....	87.50	90.27	.....	.....	89.18	89.20
10	88.10	87.92	87.70	87.65	87.57	.....	87.62	.....	.....	.....	89.36	89.16
15	.....	87.85	87.64	87.66	.....	.....	87.77	.....	.....	89.33	89.32	.....
20	.....	87.92	87.75	87.65	.....	.....	88.44	.....	.....	89.31	89.43	.....
25	.....	87.85	87.70	87.52	.....	.....	89.27	.....	.....	89.28	89.25	.....
Eom	.....	87.84	87.72	.....	.....	87.57	.....	.....	.....	89.24	89.35	.....

## 1964

5	.....	88.54	.....	88.27	88.32	88.17	88.07	92.74	92.06	91.29	90.85	.....
10	h88.74	88.57	.....	88.50	88.23	88.17	88.31	93.25	91.95	91.18	90.79	.....
15	.....	88.50	.....	88.69	88.25	88.15	88.12	93.31	91.73	91.09	90.80	.....
20	.....	.....	88.39	88.59	88.15	88.13	90.30	92.86	91.60	91.03	90.83	.....
25	88.65	.....	88.34	88.37	88.15	88.06	91.45	92.59	91.45	.....	.....	90.49
Eom	88.61	.....	88.31	88.30	88.20	88.03	92.37	92.27	91.38	.....	.....	90.36

h Tape measurement.

404825N0975833.1--Continued.

1965												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	90.35	.....	.....	89.75	89.60	89.45	89.34	93.94	94.45	92.90	92.18	91.80
10	90.26	.....	.....	89.70	89.60	89.44	89.62	94.30	94.00	92.81	92.12	91.69
15	90.33	.....	.....	89.76	89.60	89.40	90.50	94.29	93.68	92.64	92.01	91.65
20	90.23	.....	.....	89.67	89.52	89.42	91.45	94.80	93.41	92.57	.....	91.57
25	90.20	.....	.....	89.65	89.50	89.33	92.16	94.55	93.29	92.46	.....	91.56
Eom	.....	.....	89.80	89.61	89.45	89.36	93.20	94.42	93.10	92.38	91.77	91.52
1966												
5	91.37	.....	.....	.....	.....	90.20	90.37	96.07	96.81	95.11	.....	93.50
10	91.38	91.07	90.73	.....	.....	90.17	91.27	95.95	96.47	94.91	.....	93.49
15	91.32	.....	90.70	.....	.....	90.16	93.13	95.97	96.07	94.80	.....	93.40
20	.....	.....	90.68	.....	.....	90.12	94.13	.....	95.78	94.53	.....	93.27
25	.....	.....	.....	.....	.....	90.15	94.81	.....	95.51	94.41	.....	93.24
Eom	.....	.....	.....	.....	90.68	90.07	95.65	97.26	95.34	94.23	.....	93.06

405514N0975739.1. Local number 11-6-13cbl. O. S. Swedberg. Drilled irrigation water-table well in sand and gravel of Pleistocene age, diam 24 in, depth 194 ft, casing perforated below water table. Lsd 1,812.2 ft above msl. MP hole in south side turbine base, at lsd. Highest water level 90.30 below lsd, Jan. 24, 1935; lowest 105.98 below lsd, Dec. 3, 1956. Records available: 1934-42, 1944, 1946-66. Oct. 22, 1962, 100.56; Oct. 15, 1963, 101.16; Oct. 8, 1964, 104.57; Oct. 11, 1965, 103.37; Oct. 18, 1966, 104.97.

Harlan County

400920N0992155.1. Local number 2-18-9bcc. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 5½ in, depth 170 ft, casing perforated below water table. Lsd 2,120 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 84.39 below lsd, May 10-11, 1966; lowest 85.84 below lsd, July 19, 1966. Records available: 1964-66.

## Lowest water level for the day, from recorder graph, 1964

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	89.15	91.38	86.15	86.04	.....	.....
10	.....	.....	.....	.....	.....	.....	90.80	91.50	87.85	.....	.....	.....
15	.....	.....	.....	.....	.....	.....	90.40	89.50	96.18	.....	.....	.....
20	.....	.....	.....	.....	.....	.....	88.92	90.70	86.06	.....	.....	.....
25	.....	.....	.....	.....	.....	85.51	91.32	86.32	85.95	.....	.....	.....
Eom	.....	.....	.....	.....	.....	85.51	91.20	86.19	.....	.....	.....	.....
1965												
5	86.00	.....	85.55	85.40	86.52	85.44	85.33	.....	85.72	85.32	85.09	84.98
10	.....	.....	.....	85.34	86.39	85.45	85.35	88.29	85.63	85.34	85.09	84.88
15	85.74	.....	.....	85.48	85.65	85.44	85.54	86.55	85.57	85.25	84.96	84.88
20	.....	.....	.....	85.40	85.80	85.40	85.38	.....	85.50	85.29	84.98	84.81
25	.....	.....	.....	85.45	85.47	85.36	85.44	85.70	85.43	85.23	85.00	84.90
Eom	.....	85.65	85.43	86.50	85.44	85.40	88.90	85.83	85.42	85.22	84.98	84.86
1966												
5	84.84	84.65	84.75	84.62	84.53	88.01	90.16	87.57	86.45	85.37	85.16	.....
10	84.85	84.75	84.59	84.54	84.55	84.88	95.30	86.47	85.67	85.33	.....	.....
15	84.82	84.69	84.59	84.58	84.57	84.68	95.72	85.38	85.58	85.38	.....	85.08
20	84.76	84.74	84.59	84.64	85.25	84.65	94.30	86.38	85.43	85.19	.....	84.99
25	84.74	84.59	84.61	84.58	85.06	84.67	87.63	89.87	85.40	85.22	.....	85.00
Eom	84.68	84.63	84.63	84.75	85.72	84.62	89.68	89.93	85.41	85.19	.....	84.95

400620N0992740.1. Local number 2-19-28dd. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 1 in, depth 22 ft, screened 20-22. Lsd 1,960 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 5.9 below lsd, Feb. 15, 1966; lowest 12.2 below lsd, Aug. 12, 1964. Records available: 1940-41, 1946-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1962	g10.7	Aug. 7, 1963	g11.4	Oct. 6, 1964	g11.4	Oct. 14, 1965	g9.1
Mar. 8	g10.2	Oct. 7	g10.8	Nov. 3	10.79	25	7.43
May 11	g10.3	21	10.82	Dec. 9	g10.3	Dec. 7	g8.4
June 20	g8.4	Dec. 19	g11.3	Feb. 18, 1965	g9.9	Feb. 15, 1966	g5.9
Oct. 17	g9.9	Feb. 26, 1964	g10.3	Apr. 14	g10.2	Apr. 11	g8.2
Feb. 19, 1963	g9.0	Apr. 24	g10.0	June 17	g8.8	June 28	g7.6
Apr. 18	g9.4	June 10	g10.9	Aug. 12	g9.8	Oct. 10	g6.90
June 7	g9.3	Aug. 12	g12.2				

g Measurement made by U. S. Bureau of Reclamation, McCook, Nebraska.

Hitchcock County

401458N1005422.1. Local number 3-32-11bb. U.S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diam 1½ in, depth 18 ft, screened 16-18. Lsd 2,615 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 12.30 below lsd, Apr. 9, 1963; lowest 15.50 below lsd, Sept. 16, 1963. Records available: 1946-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16, 1962	g14.02	Feb. 18, 1963	g13.70	Jan. 20, 1964	g15.07	Jan. 14, 1965	g14.22
Mar. 15	g14.04	Apr. 9	g12.30	Mar. 12	g14.14	Mar. 9	g14.11
May 25	g14.85	May 17	g14.58	May 13	g14.30	May 12	g14.59
June 26	g13.15	June 17	g14.07	June 12	g14.60	June 18	g13.79
July 17	g13.41	July 17	g14.43	July 10	g13.93	July 28	g13.89
Sept. 13	g13.69	Sept. 16	g15.50	Sept. 22	g13.20	Sept. 23	g13.80
Oct. 30	13.85	Oct. 22	14.19	Oct. 1	14.25	Oct. 26	13.68
Nov. 29	g13.99	Nov. 13	g15.02	Nov. 17	g14.30	Nov. 8	g13.82

401458N1005422.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1966	g13.70	June 17, 1966	g14.02	Aug. 31, 1966	14.29	Oct. 20, 1966	14.20
Mar. 16	g13.92	July 20	g13.12	Sept. 27	g14.10	31	g14.2
May 9	g14.10						

g Measurement made by U. S. Bureau of Reclamation, McCook, Nebraska.

Holt County

421605N0982030.1. Local number 27-9-34da. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 1 in, depth 17 ft, screened 15-17. Lsd 1,841 ft above msl. MP top of casing, 1.10 ft above lsd. Highest water level 2.67 below lsd, Apr. 5, 1960; lowest 9.90 below lsd, Sept. 1, 1948. Records available: 1934-66.

Jan. 3, 1962	7.25	July 24, 1963	8.94	Aug. 20, 1964	7.94	Aug. 17, 1965	8.83
22	7.40	Sept. 3	8.90	25	8.68	Sept. 22	8.06
Feb. 14	7.05	Oct. 17	8.62	Sept. 1	8.74	Oct. 13	8.09
Mar. 8	7.20	22	8.82	30	8.35	Nov. 3	8.05
26	6.00	Nov. 25	8.71	Oct. 14	7.80	23	8.09
Apr. 18	6.56	26	8.76	28	7.99	Dec. 16	6.91
25	7.14	Dec. 18	8.57	Nov. 16	8.49	Jan. 5, 1966	7.82
May 31	3.44	19	8.43	19	8.22	28	7.72
June 28	5.10	Jan. 9, 1964	8.05	Dec. 9	7.98	Feb. 17	7.55
July 11	6.53	28	8.21	10	8.21	Mar. 9	7.35
Sept. 20	8.79	30	7.95	29	7.98	30	6.94
Oct. 10	8.78	Feb. 19	8.08	Jan. 13, 1965	7.91	Apr. 20	7.50
11	8.70	25	8.38	21	7.59	May 12	7.71
31	8.62	Mar. 10	8.32	Feb. 10	7.03	23	7.88
Nov. 14	8.78	30	8.19	26	7.58	June 1	7.84
Dec. 6	8.80	Apr. 1	8.10	Mar. 4	7.34	29	7.85
Jan. 9, 1963	8.98	21	8.03	24	7.71	July 20	8.53
24	8.22	27	7.85	Apr. 15	7.90	27	8.38
Feb. 20	7.80	May 13	7.05	20	8.00	Aug. 26	8.14
Mar. 20	7.74	25	8.06	May 13	8.24	Sept. 20	8.55
Apr. 25	8.26	June 22	7.96	29	7.45	Nov. 2	7.10
May 22	7.42	July 28	8.70	June 18	5.79	22	8.29
June 13	8.57	Aug. 4	8.43	July 20	6.76	Dec. 14	8.12
July 12	8.66				5.05		

422845N0983707.1. Local number 29-11-21bbb. Murphy. Drilled stock water-table well in sand of Pleistocene age, diam 5 in, depth 55 ft, casing perforated below water table. Lsd 2,001.06 ft above msl. MP top of casing, 1.20 ft above lsd. Highest water level 16.87 below lsd, Jan. 14, 1948; lowest 26.43 below lsd, July 9, 1959. Records available: 1947-53, 1955-66.

June 28, 1962	23.78	Oct. 22, 1963	22.98	Apr. 27, 1964	23.70	May 13, 1965	25.32
Oct. 9	22.15	Nov. 25	23.30	May 25	23.91	Nov. 3	(a)
Apr. 25, 1963	22.45	Dec. 19	23.22	June 22	22.87	May 24, 1966	25.40
July 11	22.48	Jan. 28, 1964	23.28	July 28	24.26	Sept. 19	25.79
Sept. 4	22.80	Feb. 25	23.40	Aug. 25	24.29		

a Well being pumped.

423148N0983006.1. Local number 30-10-32daa. William J. Murphy. Drilled observation water-table well in sand and gravel, diam 8 in, depth 85 ft, casing perforated below water table. Lsd 1,952 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 35.41 below lsd, Oct. 21, 1966; lowest 35.80 below lsd, Dec. 23, 1966. Records available: 1966.

Lowest water level for the day, from recorder graph, 1966

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.63	35.66
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.64	35.75
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.45	35.64	35.76
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.47	35.66	35.73
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.55	35.68	35.77
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.58	35.71	35.75

423730N0985600.1. Local number 31-14-27ddd. Elmer Goldfuss. Drilled observation water-table well in sand and gravel, diam 8 in, depth 72.25 ft, casing perforated below water table. Lsd 2,080 ft above msl. MP top of casing, at lsd. Highest water level 30.91 below lsd, July 7, 1966; lowest 33.26 below lsd, Sept. 20-21, 1966. Records available: 1966.

Lowest water level for the day, from recorder graph, 1966

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	h30.91	32.65	32.98	32.98	32.61	32.42
10	.....	.....	.....	.....	.....	.....	31.10	32.90	33.08	32.85	32.57	32.39
15	.....	.....	.....	.....	.....	.....	31.38	32.98	33.17	32.78	32.54	32.37
20	.....	.....	.....	.....	.....	.....	31.68	32.94	33.26	32.73	32.51	32.34
25	.....	.....	.....	.....	.....	.....	31.99	32.87	33.14	32.69	32.47	32.33
Eom	.....	.....	.....	.....	.....	.....	32.37	32.94	33.02	32.64	32.45	32.31

h Tape measurement.

Kearney County

402615N0990000.1. Local number 5-15-3ba. Ed Downs. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 6 in, depth 122 ft, cased with galvanized iron. Lsd 2,192.73 ft above msl. MP top of casing, at lsd. Highest water level 91.75 below lsd, May 10, 1966; lowest 108.15 below lsd, Aug. 8, 1947. Records available: 1947-66.

402615N0990003.1--Continued.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	97.33	97.08	96.38	96.35	96.11	95.94	95.70	96.57	97.05	95.72	95.48	95.39
10	97.55	96.80	96.44	96.33	96.12	95.87	95.64	96.20	96.61	95.71	95.23	95.44
15	97.09	96.73	96.64	96.42	96.38	95.65	95.78	97.58	96.33	95.85	95.35	95.05
20	96.89	96.83	96.42	95.91	96.15	95.88	95.66	96.52	96.35	95.69	95.15	95.34
25	96.65	96.77	96.42	96.05	95.93	95.85	95.80	96.49	96.09	95.85	95.52	95.23
Eom	96.84	96.79	96.43	96.30	96.15	95.75	96.40	97.22	95.90	95.54	95.31	95.00
1963												
5	95.20	94.83	94.65	94.44	94.41	94.08	96.64	95.82	95.94	97.00	96.48	96.00
10	95.13	94.90	94.47	94.32	94.35	94.48	97.39	95.30	96.40	96.79	96.57	96.10
15	95.11	94.77	94.50	94.14	94.12	94.39	97.35	95.27	96.63	96.78	96.15	96.21
20	94.72	94.86	94.82	94.28	94.60	94.22	96.72	95.95	96.65	96.65	96.59	95.91
25	94.80	94.77	94.62	94.42	94.17	94.27	96.26	95.94	96.73	96.65	96.39	95.66
Eom	94.79	94.75	94.48	94.62	94.14	95.75	95.95	95.19	96.99	96.69	96.25	95.82
1964												
5	95.60	95.16	94.99	94.64	94.42	94.89	95.55	.....	.....	96.92	96.38	95.84
10	95.66	95.44	94.89	94.63	94.82	95.15	.....	.....	.....	96.48	95.77	95.42
15	95.50	95.19	95.09	94.78	95.16	94.85	.....	.....	.....	96.21	96.34	95.54
20	95.45	95.42	94.81	94.42	95.79	94.65	.....	.....	97.02	96.38	96.27	95.45
25	95.45	95.15	94.94	94.41	95.45	94.63	.....	.....	96.73	95.98	95.73	95.52
Eom	95.40	94.95	94.70	94.73	95.14	94.46	.....	.....	96.63	96.03	96.24	95.54
1965												
5	95.22	94.70	94.66	94.11	93.81	93.74	93.54	96.48	95.51	94.46	94.12	93.83
10	95.41	94.85	94.71	93.92	94.21	93.84	93.58	96.92	95.30	94.54	93.96	93.58
15	95.44	94.97	94.83	94.12	94.14	93.73	93.54	97.00	94.89	94.26	93.73	93.65
20	95.07	94.90	94.30	94.06	93.91	93.60	93.58	97.53	94.84	94.56	93.78	93.39
25	94.90	94.60	94.27	94.08	93.74	93.57	95.63	95.60	94.68	94.34	93.34	93.70
Eom	94.85	94.96	94.24	94.00	93.64	93.72	95.87	95.55	94.70	94.34	93.90	93.45
1966												
5	93.48	92.87	93.11	92.57	92.11	93.82	92.50	96.03	95.75	94.25	93.17	92.49
10	93.46	93.06	92.57	92.33	92.25	93.40	93.58	95.40	95.30	93.97	92.92	92.97
15	93.35	92.98	92.50	92.49	92.05	92.88	95.14	94.60	94.95	94.00	92.95	92.53
20	93.28	93.15	92.52	92.45	92.02	92.59	95.49	94.30	94.60	93.57	92.95	92.19
25	93.17	92.52	92.59	92.31	92.95	92.67	95.16	94.42	94.29	93.58	92.76	92.27
Eom	92.85	92.58	92.38	92.49	93.52	92.39	95.42	95.60	94.35	93.33	92.90	92.18

403053N0985815.1. Local number 6-15-1cb. Roy Youngson. Drilled irrigation water-table well in gravel, diam 18 in, depth 176 ft, casing perforated below water table. Lsd 2,171.80 ft above msl. MP hole in turbine base, 1.00 ft above lsd. Highest water level 52.30 below lsd, Oct. 29, 1965; lowest 71.36 below lsd, June 29, 1948. Records available: 1948-66. Dec. 3, 1962, 53.46; Oct. 24, 1963, 54.31; Oct. 30, 1964, 54.15; Oct. 29, 1965, 52.30; Nov. 17, 1966, 52.57.

## Kimball County

411600N1033935.1. Local number 15-55-17cc. Kimball Irrigation District. Drilled unused water-table well in gravel, diam 4 in, depth 114 ft, casing perforated below water table. Lsd 4,739.6 ft above msl. MP top of casing, 0.84 ft above lsd. Highest water level 92.18 below lsd, Jan. 2, 1936; lowest 100.95 below lsd, Oct. 29, 1963. Records available: 1935-42, 1950-66. Oct. 16, 1962, 95.36; Oct. 29, 1963, 100.95; Sept. 24, 1964, 100.70; Dec. 8, 97.28; Sept. 21, 1965, 98.07; Nov. 9, 1966, 98.37.

## Lancaster County

403643N0964330.1. Local number A8-6-34dd. U. S. Geo. Survey. Drilled observation water-table well in sand, diam 8 in, depth 53 ft, casing perforated below water table. Lsd 1,285 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 3.41 below lsd, Apr. 5, 1960; lowest 8.90 below lsd, July 31, 1954. Records available: 1954-66. Oct. 15, 1964, 5.19; Oct. 21, 1965, 5.06; Oct. 10, 1966, 5.27. Recording gage removed Aug. 21, 1964.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	5.42	6.28	.....	.....	5.41	.....	.....	.....	.....	5.16	.....	.....
10	6.95	6.06	.....	.....	5.38	.....	.....	.....	.....	5.15	.....	.....
15	6.80	5.44	.....	.....	5.46	.....	.....	.....	.....	5.10	.....	.....
20	6.65	5.40	.....	.....	5.40	.....	.....	.....	.....	5.04	.....	.....
25	6.39	5.70	.....	5.33	.....	.....	.....	.....	.....	5.07	.....	.....
Eom	6.09	5.86	.....	5.39	.....	.....	.....	.....	5.20	.....	.....	.....
1963												
5	.....	.....	5.03	4.80	4.84	4.61	.....	5.15	5.19	5.17	5.05	5.04
10	.....	.....	4.85	4.77	4.85	4.87	.....	5.17	5.20	5.17	5.10	.....
15	.....	5.15	4.66	.....	4.80	4.94	.....	5.20	5.18	5.18	5.06	.....
20	.....	5.13	4.64	4.79	4.75	4.95	5.03	5.17	5.20	5.16	5.05	.....
25	h5.48	5.12	4.65	4.82	4.76	.....	5.09	5.22	5.16	5.09	5.08	.....
Eom	.....	5.09	4.75	4.85	4.82	.....	5.11	5.25	5.17	5.11	5.09	.....
1964												
5	.....	4.91	4.90	4.95	4.88	.....	.....	5.25	.....	.....	.....	.....
10	5.00	4.98	4.91	4.95	4.95	.....	.....	5.22	.....	.....	.....	.....
15	4.95	4.92	4.95	4.98	4.93	.....	5.06	5.25	.....	h5.19	.....	.....
20	4.93	5.00	4.92	4.93	4.97	.....	5.11	5.23	.....	.....	.....	.....
25	4.94	4.95	4.93	4.93	5.00	.....	5.15	.....	.....	.....	.....	.....
Eom	4.95	4.93	4.92	4.94	5.01	.....	5.17	.....	.....	.....	.....	.....

h Tape measurement.

403829N0964010.1. Local number A8-7-18ddh. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel, diam 8 in, depth 41 ft, perforated 36-41. Lsd 1,215 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 1.63 below lsd, Aug. 25, 1954; lowest 12.55 below lsd, June 20, 1956. Records available: 1954-66. Oct. 15, 1962, 6.97; Oct. 8, 1963, 8.43; Oct. 15, 1964, 9.82; Oct. 21, 1965, 5.70; Oct. 10, 1966, 10.77.

403833N0963855.1. Local number A8-7-20dda. U.S. Geol. Survey. Drilled observation water-table well in sand, diam 8 in, depth 33 ft, casing perforated below water table. Lsd 1,243 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level +0.16 above lsd, Mar. 27, 1960; lowest 11.55 below lsd, Mar. 20, 1957. Records available: 1954-66. Oct. 8, 1963, 5.93; Oct. 15, 1964, 7.43; Oct. 21, 1965, 3.80; Oct. 10, 1966, 8.49. Recording gage removed January 1963.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	2.17	....	....	3.01	2.15	4.06	....	....	6.43	6.53	6.45
10	....	2.62	....	....	3.10	3.04	4.49	....	....	6.61	6.52	6.45
15	....	2.47	....	....	3.47	3.43	3.84	....	....	6.78	6.65	6.65
20	....	2.10	....	2.69	3.62	3.69	4.35	....	....	6.84	6.33	6.48
25	....	2.49	....	2.80	3.94	3.82	....	....	....	6.26	6.50	6.35
Eom	2.47	....	....	2.82	3.01	3.85	....	....	6.84	6.40	6.43	6.69

1963

5	6.81	....	....	....	....	....	....	....	....	....	....	....
10	....	....	....	....	....	....	....	....	....	....	....	....
15	....	....	....	....	....	....	....	....	....	....	....	....
20	....	....	....	....	....	....	....	....	....	....	....	....
25	....	....	....	....	....	....	....	....	....	....	....	....
Eom	....	....	....	....	....	....	....	....	....	....	....	....

405125N0964155.1. Local number A10-6-1cdd. U.S. Geol. Survey. Bored observation water-table well in glacial drift of Pleistocene age, diam 6 in, depth 50 ft, perforated 10-50. Lsd 1,215 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 7.12 below lsd, Jan. 5, 1966; lowest 9.29 below lsd, Sept. 3, 1965. Records available: 1965-66. Recording gage removed January 1966; measurement discontinued.

Lowest water level for the day, from recorder graph, 1965

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	....	....	....	....	....	....	....	....	9.27	7.62	7.52	7.43
10	....	....	....	....	....	....	....	....	8.92	7.70	7.46	7.35
15	....	....	....	....	....	....	....	8.82	8.67	7.60	7.37	7.30
20	....	....	....	....	....	....	....	8.94	8.40	7.59	7.36	7.22
25	....	....	....	....	....	....	....	9.06	8.08	7.58	7.39	7.29
Eom	....	....	....	....	....	....	....	8.99	7.90	7.59	7.44	7.18

1966

5	7.12	....	....	....	....	....	....	....	....	....	....	....
10	....	....	....	....	....	....	....	....	....	....	....	....
15	....	....	....	....	....	....	....	....	....	....	....	....
20	....	....	....	....	....	....	....	....	....	....	....	....
25	....	....	....	....	....	....	....	....	....	....	....	....
Eom	....	....	....	....	....	....	....	....	....	....	....	....

404730N0964404.1. Local number A10-6-34ca. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 8 in, depth 36 ft, casing perforated below water table. Lsd 1,149 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 10.00 below lsd, July 15, 1952; lowest 18.53 below lsd, Feb. 20, 1957. Records available: 1951-66. Oct. 15, 1962, 15.95; Oct. 7, 1963, 16.74; Oct. 5, 1964, 16.90; Oct. 18, 1965, 15.50; Oct. 10, 1966, 17.22.

404705N0964130.1. Local number A10-6-36cdd. City of Lincoln. Drilled unused water-table well in Dakota Sandstone of Early Cretaceous age, diam 16 in, depth 170 ft, casing perforated below water table. Lsd 1,200 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 59.41 below lsd, Apr. 2, 1966; lowest 71.19 below lsd, Sept. 5, 1956. Records available: 1951-66.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	63.06	62.96	62.82	62.52	62.62	62.78	62.74	62.66	62.84	62.58	62.58	62.46
10	63.28	62.73	62.51	62.53	62.49	62.80	62.86	62.75	62.72	62.55	62.52	62.63
15	62.96	62.70	62.71	62.76	62.69	62.64	62.90	62.78	62.74	62.90	62.45	62.28
20	62.82	62.76	62.48	62.31	62.68	62.79	62.86	62.78	62.85	62.64	62.32	62.49
25	62.60	62.65	62.58	62.42	62.67	62.83	62.96	62.82	62.74	62.81	62.65	62.51
Eom	62.69	62.89	62.56	62.65	62.92	62.78	62.87	62.73	62.67	62.53	62.46	62.29

1963

5	62.38	62.18	61.94	61.95	62.11	61.70	62.05	62.10	61.94	61.93	61.85	61.81
10	62.37	62.29	61.95	62.00	62.02	61.99	62.10	62.06	61.89	61.90	62.02	61.95
15	62.50	62.23	61.88	61.88	61.88	62.07	61.92	62.03	61.93	61.88	61.80	62.11
20	62.26	62.32	62.33	62.01	62.03	62.03	62.10	61.96	61.89	61.92	61.83	61.91
25	62.24	62.26	62.10	62.04	61.84	62.08	62.07	61.97	61.95	61.95	61.99	61.60
Eom	62.00	62.22	62.01	62.28	61.83	62.07	62.13	61.96	61.90	62.09	61.93	61.83

1964

5	61.69	61.49	61.54	61.38	61.41	61.53	61.57	61.70	61.53	61.70	61.71	61.70
10	61.76	61.85	61.53	61.51	61.61	61.74	61.73	61.50	61.64	61.57	61.40	61.37
15	61.67	61.60	61.59	61.63	61.51	61.68	61.55	61.54	61.52	61.37	61.79	61.55
20	61.65	61.82	61.69	61.50	61.64	61.61	61.62	61.42	61.52	61.57	61.89	61.62
25	61.65	61.68	61.55	61.47	61.60	61.72	61.77	61.64	61.38	61.38	61.59	61.67
Eom	61.70	61.45	61.46	61.55	61.65	61.63	61.60	61.54	61.50	61.44	61.89	61.66

1965

5	61.54	61.13	61.28	61.09	60.98	60.96	60.75	60.57	60.85	60.38	60.25	60.43
10	61.60	61.46	61.35	60.88	61.22	61.10	60.81	60.73	60.73	60.50	60.20	60.17
15	61.78	61.55	61.27	61.30	61.15	60.97	60.74	60.69	60.53	60.26	60.03	60.25
20	61.45	61.39	61.41	61.12	61.09	60.89	60.60	60.70	60.43	60.44	60.16	60.09
25	61.30	61.31	61.32	61.14	60.94	60.80	60.70	60.52	60.48	60.43	60.25	60.44
Eom	61.46	61.15	61.23	61.12	60.94	60.91	60.58	60.69	60.53	60.50	60.42	60.27



404706N0964130.1--Continued.

1966												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	60.37	59.97	60.29	60.00	59.90	59.89	59.90	60.13	60.24	60.50	60.44	60.32
10	60.39	60.17	59.96	59.93	60.01	59.96	60.01	60.11	60.25	60.40	60.38	60.64
15	60.30	60.17	59.95	60.00	59.90	59.93	60.14	60.14	60.35	60.56	60.40	60.49
20	60.25	60.35	59.95	60.07	59.90	59.94	60.15	60.15	60.32	60.35	60.39	60.24
25	60.18	60.03	60.02	59.96	60.02	60.05	60.10	60.15	60.30	60.52	60.38	60.43
Eom	59.99	59.92	59.92	60.15	60.14	59.95	60.14	60.19	60.35	60.44	60.64	60.17

405405N0964555.1. Local number A11-6-20dc. U.S. Geol. Survey. Drilled observation water-table well in sand and alluvium, diam 8 in, depth 30 ft, casing perforated below water table. Lsd 1,189 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 11.69 below lsd, Oct. 8, 1963; lowest 17.53 below lsd, Jan. 5, 10, 1957. Records available: 1951-66. Oct. 15, 1962, 16.34; Oct. 8, 1963, 11.69; Feb. 26, 1964, 14.32; Oct. 15, 15.16; Oct. 21, 1965, 15.02; Oct. 12, 1966, 15.10.

Lincoln County

410920N1010445.1. Local number 14-23-27da. U.S. Geol. Survey. Dug and drilled observation water-table well in alluvium of Holocene age, diam 15 in, depth 10 ft, casing perforated below water table. Lsd 2,934.06 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 1.58 below lsd, June 27, 1949; lowest 6.70 below lsd, Feb. 20-22, 1952. Records available: 1943-65. Oct. 31, 1962, 5.27; Nov. 1, 1963, 5.39; Sept. 22, 1964, 5.52; Dec. 9, 6.06. Well destroyed; Sept. 25, 1965. Measurement discontinued.

Madison County

420013N0973345.1. Local number 23-2-5aa. John Bredehoff. Dug and driven unused water-table well in alluvial sand, diam 1½ in, depth 31 ft, screened 29-31. Lsd 1,570 ft above msl. MP top of casing, 2.30 ft above lsd. Highest water level 2.93 below lsd, June 4, 1935; lowest 5.24 below lsd, Sept. 12, 1955. Records available: 1934-37, 1940-42, 1944-62, 1965-66. No measurement made in 1963 or 1964. Oct. 25, 1962, 4.31; Aug. 19, 1965, 3.98; Oct. 13, 3.40; Oct. 20, 1966, 3.62.

Merrick County

410143N0980903.1. Local number 12-7-7aa. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 1½ in, depth 13 ft, screened 11-13. Lsd 1,762.16 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 4.20 below lsd, Apr. 11, 1960; lowest 10.26 below lsd, Nov. 5, 1956. Records available: 1945-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12, 1962	7.73	June 28, 1963	7.28	July 9, 1965	6.52	Apr. 12, 1966	6.47
Feb. 8	7.68	July 24	7.15	Aug. 9	7.29	May 10	6.62
Apr. 25	6.60	Sept. 9	8.09	Sept. 8	7.49	June 14	6.78
27	6.66	27	8.08	Oct. 14	5.59	July 20	7.54
July 26	6.40	Nov. 28	8.37	Nov. 9	5.88	Aug. 10	7.99
Oct. 3	7.49	Apr. 21, 1964	8.20	10	5.93	Sept. 4	8.47
3	7.51	July 7	7.67	Dec. 2	6.08	Oct. 13	8.83
Dec. 5	7.63	Sept. 21	8.42	Jan. 11, 1966	6.20	Nov. 3	8.92
Feb. 7, 1963	7.51	Nov. 4	8.65	Feb. 9	6.38	17	8.96
Apr. 23	7.16	Apr. 29, 1965	6.65	Mar. 9	6.38	Dec. 19	9.03

g Measurement made by Mid-State Irrigation District.

405755N0981113.1. Local number 12-8-36bcl. U.S. Geol. Survey. Jetted observation water-table well in sand and gravel of Pleistocene age, diam 6 in, depth 8 ft, perforated 5-8. Lsd 1,785.38 ft above msl. MP top of casing, 1.00 ft below lsd. Highest water level 1.27 below lsd, Apr. 1, 1960; lowest 5.87 below lsd, Aug. 9-11, 1964. Records available: 1958-66.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	3.55	3.44	3.21	....	....	....	....	3.38	4.82	4.37	4.07	3.87
10	3.94	3.50	3.29	....	....	....	....	3.77	4.54	4.25	4.06	3.99
15	4.00	3.28	3.45	....	....	....	....	4.13	4.65	4.33	4.04	4.10
20	4.11	3.23	....	....	....	....	....	4.51	4.62	4.19	3.90	3.81
25	4.04	3.29	....	....	....	....	....	4.59	4.61	3.96	3.99	3.80
Eom	3.59	3.42	....	....	....	....	3.35	4.72	4.59	4.05	3.89	3.86
1963												
5	3.73	3.50	3.20	3.81	4.04	4.45	4.95	5.63	5.30	5.06	4.82	4.53
10	3.63	3.19	2.99	3.76	4.14	4.03	4.98	5.65	5.24	5.05	4.78	4.51
15	3.80	3.35	2.87	3.84	4.10	4.40	5.20	5.55	5.12	5.01	....	4.50
20	3.83	3.27	3.05	4.10	3.70	4.40	5.30	5.53	5.15	4.96	4.69	4.47
25	3.81	3.40	3.39	4.25	3.97	....	5.40	5.71	4.99	4.91	4.63	4.35
Eom	3.83	3.37	3.64	3.70	4.23	4.89	5.42	5.50	5.00	4.87	4.68	4.24
1964												
5	4.13	3.95	3.68	3.45	3.60	4.65	....	5.71	5.04	5.07	4.70	4.40
10	4.12	3.83	3.65	3.66	3.88	4.90	4.74	5.87	5.05	5.03	4.64	4.30
15	4.21	3.76	3.69	3.86	4.16	4.18	4.87	5.78	5.06	4.93	4.58	4.25
20	4.06	3.80	3.35	3.87	4.42	4.44	5.18	5.55	4.95	4.88	4.52	4.44
25	4.01	3.83	3.58	3.75	4.68	4.58	5.47	5.20	4.97	4.83	4.45	4.26
Eom	4.05	3.82	3.60	3.25	4.82	4.81	5.66	5.05	5.02	4.75	4.46	....

405755N0981113, 1--Continued.

1965												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	4.12	3.96	3.38	2.83	3.88	3.37	3.55	5.01	4.80	2.84	3.60	3.71
10	4.12	3.85	3.32	2.95	2.96	3.59	3.60	5.16	3.29	3.25	3.65	3.71
15	4.15	3.83	3.25	3.28	3.40	3.01	3.95	5.39	3.70	3.41	3.55	3.51
20	4.09	3.64	3.05	3.55	3.85	3.75	4.22	5.34	3.31	3.32	3.65	3.53
25	4.00	3.52	3.27	3.56	2.69	3.99	4.59	5.13	3.15	3.35	3.68	3.63
Eom	3.97	3.17	2.98	3.91	3.13	3.86	4.84	4.99	2.04	3.50	3.77	3.55
1966												
5	3.70	4.00	3.25	3.76	4.22	4.86	5.00	5.47	5.44	5.25	4.82	4.50
10	3.85	3.32	3.18	3.79	4.34	3.96	5.34	5.43	5.40	5.21	4.75	4.47
15	3.76	3.25	3.08	3.84	4.38	4.29	5.52	5.21	5.40	5.09	4.68	4.43
20	3.84	3.33	3.40	3.72	4.52	4.59	5.61	5.20	5.35	5.00	4.62	4.30
25	3.95	3.38	3.25	3.90	4.61	4.47	5.63	5.45	5.38	4.94	4.56	4.31
Eom	4.04	3.29	3.61	4.00	4.72	4.75	5.30	5.60	5.30	4.86	4.53	4.25

Morrill County

414107N1030545, 1. Local number 20-50-28bb. Fred Smith. Drilled unused water-table well in sand and gravel of Pleistocene age, diam  $1\frac{1}{2}$  in, depth 35 ft, screened 33-35. Lsd 3,675 ft above msl. MP top of casing, 2.80 ft above lsd. Highest water level 11.87 below lsd, Sept. 7, 1951; lowest 17.33 below lsd, Oct. 26, 1954. Records available: 1934-42, 1944-66. Oct. 17, 1962, 13.68; Aug. 21, 1963, 13.29; Oct. 29, 13.68; Dec. 8, 1964, 13.73; Sept. 22, 1965, 12.83; Nov. 21, 1966, 13.36.

Nuckolls County

400240N0981113, 1. Local number 1-8-23ab. U.S. Geol. Survey. Drilled observation water-table well in silt, loess, and clay of Pleistocene age, diam 8 in, depth 18 ft, casing perforated below water table. Lsd 1,598.15 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 0.02 below lsd, July 29, 1951; lowest 7.91 below lsd, July 8-9, 1950. Records available: 1950-66.

Date	Water Level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1962	g2.1	Nov. 20, 1962	g0.8	Jan. 15, 1964	g2.4	May 26, 1965	g5.0
Mar. 6	g1.9	Mar. 28, 1963	g1.3	Mar. 30	g2.5	July 15	g3.5
May 15	g2.8	May 15	g1.8	May 14	g2.2	Sept. 28	g3.6
July 10	g1.3	July 23	g2.2	Sept. 9	g2.3	Nov. 2	g4.8
Sept. 13	g.3	Oct. 9	.49	Oct. 2	.54	Mar. 15, 1966	g6.5
Oct. 16	.37	Nov. 13	.9				

g Measurement made by U. S. Bureau of Reclamation, McCook, Nebraska.

Phelps County

403123N0992615, 1. Local number 6-19-2aa. Central Nebraska Public Power and Irrigation District. Drilled observation water-table well in sand of Pleistocene age, diam 1 in, depth 151 ft, screened 149-151. Lsd 2,360.81 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 57.17 below lsd, Nov. 17, 1966; lowest 123.70 below lsd, Mar. 9, 1945. Records available: 1945-56, 1958-66. Dec. 3, 1962, 63.76; Oct. 23, 1963, 62.40; Nov. 3, 1964, 61.58; Oct. 29, 1965, 59.18; Nov. 17, 1966, 67.17.

Platte County

412955N0971920, 1. Local number A18-1-28cd. Loup River Public Power District. Drilled observation water-table well in sand of Pleistocene age, diam 2 in, depth 99 ft, screened 97-99. Lsd 1,511.8 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 60.30 below lsd, Mar. 27, Apr. 24, 1940; lowest 72.81 below lsd, Oct. 9, 1958. Records available: 1935-40, 1942-53, 1956-66. Oct. 23, 1962, 71.88; Oct. 16, 1963, 71.58; Oct. 8, 1964, 68.10; Oct. 12, 1965, 64.31; Oct. 19, 1966, 63.97.

Polk County

411012N0973252, 1. Local number 14-2-21db. U.S. Geol. Survey. Drilled observation water-table well in fine sand of Pleistocene age, diam 5 in, depth 180 ft, perforated 165-174. Lsd 1,662 ft above msl. MP top of casing, at lsd. Highest water level 77.91 below lsd, Apr. 15, 1963; lowest 103.97 below lsd, Aug. 15, 1960. Records available: 1959-66.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	82.82	.....	81.60	81.86	81.38	80.74	80.53	81.20	.....	.....	80.45	79.90
10	82.66	.....	.....	81.16	81.65	80.65	82.29	80.95	.....	81.59	79.97	80.17
15	.....	81.74	.....	81.25	81.54	80.47	84.67	80.84	.....	81.15	80.18	79.39
20	.....	81.56	.....	81.18	81.42	80.90	84.99	.....	.....	80.83	79.72	79.97
25	.....	81.60	.....	81.27	81.09	80.71	83.12	.....	.....	81.02	80.27	79.64
Eom	.....	81.61	.....	81.12	81.12	80.64	82.23	.....	.....	80.50	79.82	.....
1963												
5	.....	79.15	78.96	78.76	78.58	.....	78.08	91.60	87.02	83.82	82.83	82.87
10	79.55	79.24	78.78	78.74	78.69	.....	79.74	92.19	85.97	83.69	83.25	82.95
15	.....	78.93	78.60	78.45	78.50	.....	.....	91.67	85.07	83.53	83.07	82.88
20	.....	79.20	79.19	78.65	78.46	.....	.....	90.63	84.75	83.39	83.06	82.48
25	.....	79.41	78.90	78.75	78.35	.....	.....	90.45	84.35	83.35	83.08	82.18
Eom	78.90	79.24	78.80	78.75	.....	78.19	91.07	88.70	84.04	83.20	83.14	.....

411012N0973252.1--Continued.

1964												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	81.40	81.40	81.16	81.00	81.57	82.87	97.70	88.01	85.19	84.12	.....
10	82.17	81.77	81.42	81.35	81.05	82.39	84.37	97.08	86.97	84.70	83.64	.....
15	81.94	81.58	81.49	81.61	80.76	82.34	82.50	93.02	86.39	84.23	84.73	.....
20	81.82	81.80	81.59	81.56	81.09	81.65	89.05	90.61	85.86	84.94	84.45	.....
25	81.70	81.50	81.50	81.35	81.20	81.53	95.84	90.31	85.39	83.80	83.70	83.50
Eom	81.82	81.30	81.40	81.40	81.05	81.59	95.95	89.39	85.20	83.55	84.39	83.55
1965												
5	83.06	82.72	.....	81.85	82.11	81.71	81.45	.....	90.42	.....	.....	83.76
10	83.39	83.03	.....	81.54	82.35	81.81	81.95	92.29	89.15	.....	84.04	83.40
15	83.42	.....	82.23	82.17	82.10	81.60	83.64	93.63	.....	84.82	83.70	83.40
20	82.89	.....	82.41	82.09	82.25	81.75	87.05	94.09	.....	.....	83.70	83.08
25	82.75	.....	82.16	82.16	81.69	81.84	88.33	.....	86.07	.....	83.71	83.55
Eom	82.96	.....	82.06	82.05	81.64	81.65	.....	.....	.....	.....	83.90	83.10
1966												
5	83.27	82.57	.....	81.90	81.34	81.58	81.37	.....	86.66	85.14	83.97	82.80
10	83.28	82.49	81.96	81.59	82.01	81.59	86.00	.....	86.03	84.90	83.59	83.49
15	83.03	82.45	81.83	81.80	81.64	81.66	.....	90.58	86.88	84.84	83.62	83.06
20	82.95	.....	.....	81.81	82.00	81.85	.....	89.97	85.45	84.19	83.56	83.09
25	82.87	.....	.....	.....	81.19	81.17	h100.04	88.68	84.99	84.22	83.24	82.93
Eom	82.50	.....	81.70	.....	81.97	80.74	.....	87.19	85.03	83.81	83.54	82.45

h Tape measurement.

411507N0974128.1. Local number 15-3-20cc. Ray Norris. Dug irrigation water-table well in sand of Pleistocene age, diam 12 in, depth 21 ft, casing perforated below water table. Lsd 1,572.83 ft above mal. MP hole in turbine base, 0.20 ft above lsd. Highest water level 2.86 below lsd, Sept. 25, 1965; lowest 9.33 below lsd, Sept. 22, 1953. Records available: 1945-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 22, 1962	5.52	Feb. 27, 1965	6.50	June 1, 1965	4.17	Sept. 2, 1965	7.30
Oct. 15, 1963	5.76	Mar. 13	5.21	15	2.95	25	2.86
June 29, 1964	5.57	27	5.47	July 9	5.03	Oct. 11	4.68
Sept. 14	7.57	Apr. 19	5.42	29	5.80	Nov. 5	5.38
Oct. 8	7.64	May 1	5.78	Aug. 17	7.05	Oct. 18, 1966	7.20
Jan. 14, 1965	7.58						

## Red Willow County

401015N1003537.1. Local number 2-29-4ad. Rex S. Haberman. Drilled unused water-table well in sand of Pleistocene age, diam 26 in, depth 40 ft, casing perforated below water table. Lsd 2,481 ft above mal. MP top of casing, 3.00 ft below lsd. Highest water level 24.6 below lsd, Oct. 9, 1965; lowest 37.10 below lsd, July 11, 1953. Records available: 1950-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 16, 1962	g31.1	June 4, 1963	g26.4	Aug. 6, 1964	g28.7	Oct. 26, 1965	25.38
Apr. 13	g31.0	July 30	g28.5	Sept. 30	g29.6	Dec. 1	g25.0
June 15	g27.2	Oct. 4	g28.0	Dec. 4	g30.8	Feb. 7, 1966	g25.7
Sept. 10	g29.90	Dec. 6	g27.6	Feb. 3, 1965	g28.6	Apr. 5	g26.0
Oct. 29	25.75	Feb. 28, 1964	g27.5	Apr. 5	g28.2	June 21	g27.8
Dec. 10	g27.1	Apr. 9	g28.0	June 4	g31.3	Aug. 2	g25.0
Feb. 8, 1963	g25.00	June 18	g28.3	Oct. 9	g24.6	Oct. 20	29.00
Apr. 15	g27.6						

g Measurement made by U. S. Bureau of Reclamation, McCook, Nebraska.

401305N1003047.2. Local number 3-28-20bb2. Leo D. England. Drilled unused water-table well in sand of Pleistocene age, diam 14 in, depth 36 ft, casing perforated below water table. Lsd 2,418 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 5.53 below lsd, Sept. 9-10, 1961; lowest 9.70 below lsd, Oct. 15, 20, 1966. Records available: 1950-65. No measurement made in 1966. Oct. 29, 1962, 7.77; Oct. 22, 1963, 8.48; Oct. 2, 1964, 9.48; Oct. 26, 1965, 7.54.

## Saline County

403855N0970725.1. Local number A8-3-19ada. Formerly A8-3-19ad. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 5 in, depth 151 ft, perforated 142-151. Lsd 1,496 ft above mal. MP top of casing, at lsd. Highest water level 96.56 below lsd, Mar. 16, Apr. 15-16, 1963; lowest 100.51 below lsd, July 26, 1966. Records available: 1959-66.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	97.71	97.38	97.29	97.22	97.13	.....	.....	.....	97.50	97.42
10	.....	.....	97.86	97.48	97.19	97.16	97.10	.....	.....	97.54	97.33	97.48
15	.....	98.04	97.81	97.56	97.33	97.04	97.20	.....	.....	97.74	97.40	.....
20	97.72	97.73	.....	97.13	97.25	97.18	97.10	.....	.....	97.60	97.15	.....
25	.....	97.78	.....	97.21	97.20	97.17	97.15	.....	.....	97.65	97.43	.....
Eom	.....	97.75	.....	97.48	97.35	97.12	97.25	.....	.....	97.44	97.30	.....
1963												
5	.....	97.19	97.05	96.93	97.07	96.75	96.82	98.52	98.22	97.96	97.79	97.61
10	97.40	97.31	97.00	96.99	97.09	96.92	96.85	98.79	98.13	97.93	97.92	97.73
15	97.33	97.20	96.90	96.79	96.85	96.93	96.99	98.64	98.10	97.85	97.56	97.79
20	97.18	97.35	97.30	97.05	96.94	96.97	97.58	98.46	98.12	97.86	97.65	97.62
25	97.13	97.26	97.15	96.95	96.78	97.00	98.05	98.44	98.08	97.88	97.78	.....
Eom	97.05	97.27	97.00	97.24	96.80	96.99	98.35	98.29	97.98	97.98	97.69	97.52
1964												
5	97.47	97.19	97.40	97.14	97.16	97.17	97.17	99.84	99.45	99.25	99.09	98.93
10	97.55	97.63	97.35	97.20	97.33	97.49	97.42	99.85	99.54	99.10	98.80	98.68
15	97.48	97.42	97.42	97.33	97.23	97.28	98.30	99.98	99.35	98.93	99.10	98.68
20	97.59	97.60	97.52	97.15	97.23	97.25	98.64	99.74	99.31	99.02	99.24	98.81
25	97.48	97.47	97.32	97.15	97.26	97.20	99.17	99.76	99.10	98.90	98.95	98.98
Eom	97.45	97.25	97.18	97.25	97.25	97.10	99.55	99.57	99.17	98.94	99.07	98.83

403855N0970725.1--Continued.

1965												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	98.70	98.30	98.48	98.34	98.24	98.24	98.19	99.39	99.99	99.20	98.98	99.03
10	98.75	98.72	98.52	98.13	98.50	98.34	98.26	99.80	99.79	99.47	98.96	98.80
15	98.95	98.80	98.48	98.49	98.46	98.26	98.20	100.04	99.53	99.20	98.80	98.88
20	98.68	98.62	98.48	98.26	98.23	98.24	98.31	100.13	99.39	99.32	98.90	98.73
25	98.67	98.49	98.42	98.33	98.22	98.12	98.70	99.77	99.45	99.23	98.90	99.00
Eom	98.73	98.48	98.30	98.25	98.16	98.29	98.98	99.89	99.48	99.32	98.96	98.92
1966												
5	98.87	98.48	98.78	98.41	98.21	98.29	99.19	100.26	99.99	99.99	99.63	99.40
10	98.92	98.73	98.35	98.24	98.33	98.26	99.66	100.30	99.90	99.84	99.64	99.81
15	98.86	98.61	98.41	98.31	98.31	98.16	100.15	100.36	99.97	100.07	99.46	99.58
20	98.70	98.72	98.39	98.52	98.20	98.16	100.21	100.18	99.87	99.60	99.45	99.37
25	98.67	98.43	98.42	98.33	98.31	98.33	100.31	100.03	99.92	99.72	99.56	99.44
Eom	98.51	98.46	98.44	98.49	98.31	98.62	100.33	100.04	99.92	99.68	99.69	99.31

## Saunders County

410426N0962204.1. Local number A13-9-24cc. City of Lincoln. Drilled observation water-table well in sand of Pleistocene age, diam 1½ in, depth 12 ft, screened 10-12. Lsd 1,065.22 ft above msl. MP top of casing, 4.50 ft above lsd. Highest water level 0.48 below lsd, July 31, 1948; lowest 8.49 below lsd, Sept. 25, 1955. Records available: 1933-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1962	5.00	Apr. 25, 1963	4.69	July 25, 1964	3.97	Nov. 25, 1965	4.59
Feb. 25	4.24	May 25	4.92	Aug. 25	5.47	Dec. 25	4.84
Mar. 25	2.30	June 26	±0.56	Sept. 25	4.75	Jan. 25, 1966	5.18
Apr. 25	4.00	July 25	4.48	Oct. 25	5.47	Feb. 25	4.26
May 25	5.08	Aug. 25	5.90	Nov. 25	5.52	Mar. 25	4.09
June 25	4.72	Sept. 25	5.73	Dec. 25	5.90	Apr. 25	4.77
July 25	5.24	Oct. 25	6.60	Feb. 25, 1965	5.75	May 25	5.20
Aug. 25	5.85	Nov. 25	6.82	Mar. 25	3.84	June 25	6.08
Sept. 25	6.10	Dec. 25	6.70	Apr. 25	2.95	July 25	6.85
Oct. 25	5.89	Jan. 25, 1964	6.52	May 25	.50	Aug. 23	7.15
Nov. 25	5.75	Feb. 25	6.01	June 25	3.51	Sept. 25	7.20
Dec. 25	5.77	Mar. 25	6.11	July 25	2.56	Oct. 25	7.20
Jan. 25, 1963	5.97	Apr. 25	5.72	Aug. 25	5.25	Nov. 25	7.12
Feb. 25	5.59	May 25	4.72	Sept. 25	1.90	Dec. 25	6.89
Mar. 25	4.41	June 25	1.56	Oct. 25	3.98		

j Flooded recently.

411005N0962815.1. Local number A14-8-24acd. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 5½ in, depth 77 ft, casing perforated below water table. Lsd 1,171 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 40.23 below lsd, Mar. 2, 1966; lowest 41.45 below lsd, Mar. 19, 1965. Records available: 1964-66.

## Lowest water level for the day, from recorder graph, 1964

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	41.20	.....	41.24	41.25	41.31
10	.....	.....	.....	.....	.....	.....	.....	41.16	.....	41.22	41.14	41.21
15	.....	.....	.....	.....	.....	.....	.....	41.16	41.18	41.17	.....	41.29
20	.....	.....	.....	.....	.....	.....	.....	41.13	41.17	41.22	41.30	.....
25	.....	.....	.....	.....	.....	.....	.....	41.20	41.15	41.17	41.12	41.25
Eom	.....	.....	.....	.....	.....	.....	41.18	41.19	41.18	41.17	41.35	41.31

## 1965

5	41.28	41.25	41.38	41.19	41.05	41.03	41.03	40.98	41.09	40.73	40.51	40.46
10	41.34	41.36	41.43	41.12	41.11	41.07	41.04	41.00	41.06	40.71	40.45	40.39
15	41.39	41.40	41.40	41.18	41.08	41.05	41.04	40.98	40.97	40.61	40.42	40.41
20	41.30	41.41	41.41	41.13	41.09	41.03	41.01	40.98	40.91	40.59	40.41	40.35
25	41.24	41.35	41.32	41.09	41.04	41.03	41.03	40.98	40.88	40.57	40.41	40.44
Eom	41.33	41.38	41.24	41.08	41.03	41.06	41.00	41.05	40.81	40.56	40.49	40.40

## 1966

5	40.44	40.30	40.41	40.41	40.44	40.47	40.49	40.57	40.65	40.76	40.74	40.73
10	40.45	40.35	40.36	40.43	40.49	40.53	40.53	40.57	40.65	40.71	40.71	40.86
15	40.37	40.37	40.34	40.45	40.42	40.51	40.58	40.58	40.69	40.76	40.73	40.82
20	40.38	40.44	40.37	40.45	40.44	40.52	40.58	40.59	40.69	40.71	40.76	40.75
25	.....	40.33	40.41	40.44	40.49	40.55	40.57	40.61	40.68	40.75	40.75	40.83
Eom	.....	40.31	40.36	40.50	40.52	40.51	40.58	40.60	40.71	40.72	40.83	40.78

## Scotts Bluff County

415325N1033928.1. Local number 22-55-11dde. U.S. Geol. Survey. Bored observation water-table well in sand and gravel of Pleistocene age, diam 6 in, depth 32 ft, galvanized iron casing. Lsd 3,953 ft above msl. MP top of casing, at led. Highest water level 24.47 below lsd, Oct. 21, 1966; lowest 26.55 below lsd, May 30-31, June 1, 1963. Records available: 1962-66.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	.....	.....	25.79	25.65	25.62	25.69
10	.....	.....	.....	.....	.....	.....	.....	.....	25.74	25.64	25.61	25.71
15	.....	.....	.....	.....	.....	.....	.....	25.77	25.71	25.62	25.62	25.73
20	.....	.....	.....	.....	.....	.....	.....	25.84	25.68	25.62	25.63	25.75
25	.....	.....	.....	.....	.....	.....	.....	25.77	25.68	25.62	25.65	25.78
Eom	.....	.....	.....	.....	.....	.....	.....	25.67	25.65	25.63	25.67	25.80

415325N103392S.1--Continued.

1963												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.82	25.90	26.07	26.21	26.40	26.49	26.35	25.81	25.36	24.90	25.11	25.27
10	25.84	25.95	26.10	26.23	26.45	26.47	26.28	25.79	25.10	24.93	25.14	25.30
15	25.86	25.98	26.12	26.25	26.48	26.38	26.15	25.56	25.23	24.97	25.16	25.31
20	25.88	26.00	26.15	26.30	26.45	26.35	26.17	25.59	25.26	25.04	25.19	25.34
25	.....	26.03	26.17	26.33	26.48	26.35	26.02	25.35	24.97	25.05	25.23	25.36
Eom	.....	26.05	26.18	26.36	26.55	26.35	25.90	25.35	24.89	25.10	25.25	25.39
1964												
5	25.40	25.57	25.70	25.88	26.01	26.25	26.22	25.70	25.08	24.64	24.77	24.91
10	25.42	25.59	25.73	25.88	26.04	26.25	26.05	25.59	24.98	24.66	24.78	24.91
15	25.46	25.61	25.75	25.90	26.08	26.28	26.05	25.55	24.77	24.66	24.80	24.94
20	25.47	25.65	25.78	25.93	26.13	26.30	25.94	25.43	24.63	24.72	24.83	24.98
25	25.49	25.67	25.81	25.95	26.17	26.30	25.75	25.41	24.64	24.70	24.84	25.00
Eom	25.53	25.68	25.85	25.98	26.19	26.30	25.71	25.10	24.64	24.72	24.87	25.04
1965												
5	25.09	25.29	25.51	25.70	25.95	26.06	26.00	25.70	25.15	25.23	25.39	25.50
10	25.10	25.33	25.55	25.74	26.00	26.05	26.04	25.59	25.25	25.25	25.40	25.52
15	25.15	25.36	25.57	25.76	26.05	26.04	26.06	25.45	25.25	25.30	25.41	25.55
20	25.18	25.40	25.61	25.82	26.05	26.04	25.97	25.31	25.25	25.33	25.44	25.56
25	25.20	25.42	25.64	25.87	26.06	26.04	25.93	25.20	25.24	25.34	25.45	25.60
Eom	25.25	25.44	25.67	25.91	26.05	26.04	25.79	25.37	25.23	25.35	25.48	25.61
1966												
5	25.64	25.80	25.93	26.10	26.26	26.42	26.36	25.72	24.87	24.50	24.51	24.72
10	25.65	25.82	25.96	26.12	26.30	26.38	26.13	25.42	25.03	24.52	24.51	24.77
15	25.68	25.84	25.98	26.15	26.32	26.40	26.10	25.44	25.05	24.51	24.59	24.82
20	25.70	25.87	26.01	26.18	26.35	26.45	26.06	25.28	25.02	24.51	24.61	24.86
25	25.73	25.90	26.04	26.20	26.39	26.47	25.73	25.14	24.70	24.50	24.65	24.90
Eom	25.77	25.90	26.07	26.22	26.39	26.44	25.78	25.34	24.52	24.51	24.71	24.93

420000N103511S.1. Local number 23-56-8aa. Carl Gompert. Drilled irrigation water-table well in alluvium of Quaternary age, diam 18 in, depth 118 ft, casing perforated below water table. Lad 4,087.7 ft above msl. MP hole in turbine base, 0.70 ft above lsd. Highest water level 29.24 below lsd, Oct. 26, 1949; lowest 41.04 below lsd, Oct. 6, 1961. Records available: 1948-66. Oct. 17, 1962, 39.48; Oct. 30, 1963, 37.60; Sept. 29, 1964, 37.23; Sept. 22, 1965, 37.62; Nov. 3, 1966, 35.99.

## Seward County

405406N0971150.1. Local number A11-2-21dd. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 5 in, depth 123 ft, perforated 112-123. Lad 1,550 ft above msl. MP top of casing, at lsd. Highest water level 75.99 below lsd, Dec. 11, 1965; lowest 84.27 below lsd, Aug. 13, 1964. Records available: 1958-66.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	78.90	78.79	78.38	78.05	78.07	78.52	78.67	.....	78.54	78.38	78.20
10	.....	78.63	78.25	78.25	77.98	78.00	79.32	78.73	.....	78.55	78.11	78.21
15	.....	78.51	78.60	78.59	78.08	77.86	78.96	80.38	.....	78.52	78.08	77.84
20	78.83	78.77	78.14	78.00	78.13	78.05	79.06	.....	.....	78.53	78.08	78.25
25	78.37	78.68	78.44	78.03	78.02	78.02	78.91	.....	.....	78.83	78.50	78.20
Eom	78.81	78.95	78.31	78.24	78.28	77.95	78.70	.....	.....	78.48	78.30	77.99
1963												
5	78.11	77.96	77.88	78.00	77.90	77.40	77.88	81.90	79.75	78.85	78.07	78.27
10	78.00	78.01	77.78	77.71	77.78	77.54	77.96	82.32	79.38	78.58	79.02	78.82
15	.....	78.08	77.96	77.73	77.68	77.73	78.60	82.69	79.10	78.60	78.39	79.14
20	.....	78.06	78.18	77.65	77.79	77.63	80.25	.....	79.27	78.57	78.34	78.64
25	.....	78.08	77.89	77.81	77.59	78.18	81.59	.....	79.24	78.66	78.85	77.70
Eom	77.95	77.97	77.89	78.08	77.57	77.91	82.02	80.17	79.00	78.80	78.79	78.80
1964												
5	78.11	78.20	78.27	78.35	78.11	78.12	78.07	83.92	81.45	80.69	80.20	79.95
10	78.59	78.59	78.30	78.35	78.38	78.34	79.20	83.63	81.00	80.34	79.50	79.32
15	78.15	78.30	78.43	78.42	78.26	78.33	80.47	84.05	80.80	79.89	80.17	79.86
20	78.07	78.70	78.43	78.18	78.35	78.19	81.64	82.72	80.65	80.15	80.05	79.61
25	78.26	78.40	78.41	78.19	78.26	78.35	82.55	82.74	80.52	79.65	79.49	79.35
Eom	78.38	78.35	78.43	78.35	78.27	78.18	83.20	81.95	80.42	79.62	80.39	79.77
1965												
5	79.45	.....	.....	78.59	78.22	78.23	78.17	81.53	.....	78.54	78.19	77.18
10	79.78	.....	.....	78.35	79.26	78.79	78.44	82.12	.....	78.69	77.82	76.67
15	.....	.....	.....	78.88	79.36	78.59	79.77	82.30	.....	78.41	.....	76.90
20	.....	.....	.....	78.63	79.05	78.00	79.21	82.64	.....	78.87	.....	76.37
25	78.73	.....	.....	78.66	78.10	78.60	79.28	81.43	.....	78.69	.....	77.35
Eom	.....	.....	78.98	78.50	78.35	78.70	80.48	81.02	.....	78.72	77.35	76.74
1966												
5	79.71	.....	79.23	78.91	78.69	78.61	80.84	82.20	79.90	80.70	80.23	79.81
10	79.69	79.04	78.86	78.93	78.79	78.83	82.06	81.78	80.08	80.48	80.00	80.37
15	79.39	79.18	78.75	79.06	78.32	78.82	82.53	80.53	80.52	80.63	80.34	80.02
20	79.72	79.52	78.88	78.96	78.38	78.58	83.23	80.77	80.51	80.41	80.28	79.75
25	79.63	78.81	79.05	78.87	78.84	78.55	83.56	80.60	80.16	80.43	80.04	79.97
Eom	.....	78.73	78.55	79.02	78.93	78.73	82.64	80.16	80.32	80.13	80.25	79.66

Sheridan County

420341N1021717.1. Local number 24-43-15ac. U.S. Geol. Survey. Jetted observation water-table well in fine sand of Pleistocene age, diam  $\frac{3}{4}$  in, depth 17 ft, perforated 16-17. Lsd 3,912 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 8.15 below lsd, Sept. 4, 1956; lowest 10.02 below lsd, Nov. 22, 1966. Records available: 1956-66. Oct. 18, 1962, 8.55; Oct. 30, 1963, 8.77; Oct. 26, 1964, 9.43; Sept. 23, 1965, 9.86; Nov. 22, 1966, 10.02.

423034N1024150.1. Local number 29-46-10aa. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 6 in depth 100 ft, casing perforated below water table. Lsd 3,796 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 34.58 below lsd, Dec. 5, 1966; lowest 38.95 below lsd, May 29, 1954. Records available: 1953-66.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	36.18	36.25	36.35	36.41	36.52	36.40	36.22	36.15	35.60	35.26	35.17	35.28
10	36.26	36.16	36.20	36.39	36.47	36.35	36.35	36.13	35.51	35.23	35.22	35.32
15	36.15	36.22	36.32	36.39	36.53	36.30	36.30	36.03	35.45	35.31	35.20	35.22
20	36.11	36.21	36.25	36.33	36.53	36.33	36.30	35.90	35.39	35.25	35.17	35.29
25	36.10	36.26	36.36	36.38	36.56	36.30	36.28	35.76	35.37	35.28	35.26	35.30
Eom	36.17	36.29	36.39	36.49	36.46	36.25	36.27	35.66	35.35	35.20	35.25	35.27
1963												
5	35.34	35.45	35.50	35.54	35.70	35.65	35.62	35.36	34.96	34.68	34.67	34.73
10	35.33	35.47	35.44	35.52	35.67	35.72	35.57	35.35	34.88	34.71	34.74	34.77
15	35.32	35.42	35.42	35.52	35.65	35.74	35.52	35.12	34.84	34.66	34.64	34.82
20	35.35	35.48	35.57	35.55	35.76	35.65	35.52	35.10	34.81	34.63	34.67	34.79
25	35.39	35.48	35.61	35.62	35.69	35.70	35.33	35.12	34.81	34.69	34.75	34.78
Eom	35.38	35.50	35.52	35.69	35.70	35.66	35.32	35.10	34.73	34.73	34.76	34.81
1964												
5	34.82	34.92	35.00	35.10	35.23	35.43	35.57	35.22	35.21	35.29	35.22	35.29
10	34.80	34.97	35.07	35.20	35.34	35.48	35.62	35.23	35.32	35.20	35.20	35.20
15	34.82	34.97	35.10	35.22	35.35	35.49	35.48	35.06	35.22	35.15	35.29	35.15
20	34.77	35.06	35.15	35.24	35.39	35.50	35.49	34.99	35.23	35.20	35.28	35.26
25	34.83	35.02	35.14	35.17	35.36	35.52	35.43	35.06	35.16	35.14	35.22	35.28
Eom	34.96	34.99	35.15	35.25	35.44	35.59	35.33	35.19	35.17	35.15	35.25	35.32
1965												
5	35.33	35.35	35.56	35.62	35.74	35.96	35.75	35.51	35.04	34.94	34.92	35.02
10	35.37	35.42	35.52	35.55	35.85	35.95	35.72	35.45	35.03	34.98	34.92	34.92
15	35.41	35.50	35.55	35.72	35.86	35.89	35.75	35.35	34.95	34.87	34.92	34.94
20	35.35	35.53	35.61	35.74	35.87	35.92	35.72	35.25	34.95	35.00	34.90	34.95
25	35.35	35.50	35.60	35.73	35.89	35.88	35.75	34.99	35.01	34.98	34.91	35.03
Eom	35.42	35.55	35.61	35.75	35.90	35.90	35.68	35.01	34.96	35.00	34.95	35.00
1966												
5	35.05	35.13	35.26	35.15	35.28	35.41	35.37	34.97	34.68	34.76	34.71	34.68
10	35.10	35.04	35.24	35.09	35.20	35.36	35.35	35.02	34.62	34.73	34.71	34.81
15	35.15	35.17	35.05	35.21	35.26	35.41	35.39	35.12	34.68	34.75	34.70	34.84
20	35.13	35.27	35.11	35.19	35.27	35.38	35.27	34.98	34.67	34.65	34.73	34.74
25	35.12	35.18	35.13	35.24	35.35	35.46	35.24	34.88	34.70	34.76	34.70	34.78
Eom	35.10	35.18	35.15	35.30	35.38	35.42	35.01	34.79	34.73	34.75	34.81	34.74

Thayer County

401958N0972622.1. Local number 4-1-9bac. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam 8 in, depth 95 ft, casing perforated below water table. Lsd 1,540 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 87.83 below lsd, Sept. 28, 1953; lowest 90.01 below lsd, June 25, 1953. Records available: 1953-65. Well destroyed by tornado in May 1965.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	89.19	89.26	89.06	88.96	88.96	88.95	88.87	89.16	89.28	.....	89.10	89.57
10	89.16	89.10	89.00	88.98	88.90	88.91	88.88	89.23	89.25	89.12	89.05	89.49
15	89.13	89.10	89.01	89.00	88.94	88.86	88.90	89.27	89.22	89.20	89.08	89.07
20	89.09	89.06	89.04	88.90	88.87	88.89	89.01	89.33	89.22	89.15	89.04	89.09
25	89.09	89.04	89.05	88.91	88.88	88.88	89.01	89.31	89.19	89.15	89.06	89.09
Eom	89.08	89.06	88.96	88.98	88.93	88.87	89.09	89.32	89.19	89.08	89.04	89.04
1963												
5	89.06	89.02	88.97	88.91	h89.00	h88.92	h88.99	h89.13	h89.11	h89.19	h89.21	h89.19
10	89.05	89.05	88.98	88.95	h88.95	h88.97	h88.95	h89.17	h89.20	h89.18	h89.52	h89.34
15	89.06	89.00	88.90	88.88	h88.98	h88.95	h88.96	h89.14	.....	h89.40	.....	h89.20
20	.....	89.13	89.03	89.01	h88.97	h88.97	h89.19	h89.15	.....	.....	.....	.....
25	89.01	89.06	89.00	h89.03	.....	.....	.....	.....	.....	.....	.....	.....
Eom	88.97	89.06	88.91	h89.05	.....	.....	.....	.....	.....	.....	.....	.....
1964												
5	h89.25	89.28	89.25	89.20	89.22	89.17	89.16	89.68	.....	.....	.....	89.73
10	.....	89.32	89.29	89.20	89.18	89.27	89.17	88.80	.....	.....	.....	89.68
15	.....	89.30	89.25	89.21	89.23	89.25	89.26	89.85	.....	.....	.....	89.67
20	.....	89.32	89.35	89.20	89.17	89.22	89.35	89.90	.....	.....	.....	89.75
25	.....	89.30	89.24	89.19	89.15	89.17	89.48	.....	.....	h89.77	89.81	89.78
Eom	89.34	89.23	89.25	89.19	89.19	89.17	89.59	.....	.....	.....	89.76	89.70
1965												
5	89.66	89.58	89.62	89.58	89.56	.....	.....	.....	.....	.....	.....	.....
10	89.64	89.71	89.59	89.54	.....	.....	.....	.....	.....	.....	.....	.....
15	89.72	89.71	89.61	89.64	.....	.....	.....	.....	.....	.....	.....	.....
20	89.66	89.73	89.61	89.56	.....	.....	.....	.....	.....	.....	.....	.....
25	89.65	89.63	89.59	89.57	.....	.....	.....	.....	.....	.....	.....	.....
Eom	89.79	89.64	89.58	89.56	.....	.....	.....	.....	.....	.....	.....	.....

h Tape measurement.

Thomas County

415845N1003340.1. Local number 23-28-9da. U.S. Geol. Survey. Driven observation water-table well in fine sand and alluvium, diam  $1\frac{1}{2}$  in, depth 15 ft, screened 13-15. Lsd 2,842 ft above msl. MP top of casing, 2.30 ft above lsd. Highest water level 8.91 below lsd, Oct. 13, 1960; lowest 10.98 below lsd, July 23, 1940. Records available: 1934-40, 1942, 1944-50, 1953-66. Oct. 18, 1962, 9.08; Oct. 31, 1963, 9.05; Oct. 26, 1964, 9.18; Sept. 25, 1965, 9.17; Oct. 3, 1966, 9.15.

Valley County

412955N0991232.1. Local number 18-16-30cc. U.S. Geol. Survey. Drilled observation water-table well in sand of Pleistocene age, diam  $\frac{3}{4}$  in, depth 14 ft, screened 12-14. Lsd 2,217.61 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 1.12 below lsd, July 23, 1962; lowest 5.64 below lsd, June 20, 1956. Records available: 1949-56, 1958-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16, 1962	g4.80	May 6, 1963	g3.69	June 2, 1964	g3.44	Aug. 10, 1965	g3.90
Apr. 2	g4.10	June 28	g3.74	Aug. 3	g3.75	Oct. 11	g2.64
May 14	g4.45	Sept. 3	g3.42	Oct. 5	g3.90	Nov. 4	1.99
July 23	g1.12	Oct. 31	g3.60	27	4.11	Dec. 6	g2.67
Sept. 10	g1.63	Nov. 14	3.70	Dec. 1	g4.48	Apr. 5, 1966	g3.06
Nov. 8	2.93	Dec. 9	4.02	Feb. 1, 1965	g4.93	Oct. 4	g3.47
Dec. 13	g3.35	Jan. 27, 1964	g4.38	Apr. 14	g5.05	17	3.44
Mar. 18, 1963	g3.42	Apr. 13	g3.78	June 2	g4.18		

g Measurement made by U. S. Bureau of Reclamation, St. Paul, Nebraska.

Webster County

400423N0983140.1. Local number 1-11-11ab. U.S. Geol. Survey. Drilled observation water-table well in silt and fine sand of Pleistocene age, diam 8 in, depth 17 ft, casing perforated below water table. Lsd 1,686 ft above msl. MP south side of casing, 1.10 ft above lsd. Highest water level 1.34 below lsd, July 11-12, 1951; lowest 10.56 below lsd, Apr. 5, 1957. Records available: 1946-66. Recording gage removed Mar. 1, 1966.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	6.19	7.00	7.39	7.46	6.64	7.56	7.59	7.50	7.49
10	7.67	.....	.....	6.30	7.15	7.24	7.57	6.78	7.66	7.61	7.52	7.48
15	7.70	.....	.....	6.45	7.33	7.20	7.52	6.99	7.62	7.61	7.53	7.50
20	.....	.....	.....	6.58	7.48	7.28	7.27	7.05	7.63	7.63	7.54	7.54
25	.....	.....	.....	6.72	7.57	7.40	7.20	7.07	7.58	7.53	7.54	7.56
Eom	.....	.....	.....	6.85	7.66	7.56	6.68	7.34	7.58	7.50	7.53	7.60

## 1963

5	7.61	7.74	7.59	7.09	7.63	8.16	8.46	8.41	8.73	8.16	8.26	8.30
10	7.61	7.69	7.51	7.18	7.72	8.23	8.50	8.48	8.72	8.16	8.28	8.28
15	7.60	7.67	7.42	7.24	7.84	8.22	8.52	8.54	8.57	8.17	8.31	8.28
20	7.62	7.66	7.15	7.33	7.96	8.23	8.38	8.60	8.48	8.17	8.31	8.29
25	7.66	7.65	7.02	7.52	8.06	8.28	8.40	8.66	8.35	8.20	8.31	8.30
Eom	7.71	7.63	7.03	7.61	8.12	8.37	8.40	8.74	8.21	8.24	8.31	8.32

## 1964

5	8.33	8.29	8.11	8.05	8.21	8.89	8.90	9.20	8.85	9.47	9.69	9.80
10	8.32	8.25	8.12	8.05	8.31	8.94	9.00	9.23	9.04	9.52	9.72	9.80
15	8.32	8.20	8.13	8.05	8.42	8.95	9.03	9.28	9.19	9.57	9.74	9.80
20	8.32	8.15	8.13	8.09	8.53	8.77	9.06	8.45	9.30	9.61	9.76	9.80
25	8.31	8.12	8.08	8.13	8.65	8.75	9.09	8.35	9.36	9.64	9.78	9.80
Eom	8.31	8.11	8.06	8.16	8.81	8.82	9.15	8.64	9.42	9.67	9.79	9.79

## 1965

5	9.79	9.76	9.50	9.34	9.06	8.62	.....	.....	.....	6.59	7.20	7.29
10	9.79	9.75	9.50	9.02	9.12	8.65	.....	.....	.....	6.80	7.24	7.27
15	9.78	9.75	9.53	8.95	9.19	.....	.....	.....	.....	6.97	7.25	7.25
20	9.78	9.75	9.42	8.99	9.21	.....	.....	.....	.....	7.02	7.25	7.25
25	9.76	9.71	9.35	9.03	9.10	.....	.....	.....	.....	7.07	7.27	7.25
Eom	9.76	9.69	9.40	9.02	8.66	.....	.....	.....	6.60	7.16	7.30	7.21

## 1966

5	7.23	7.39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	7.26	7.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	7.24	7.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	7.26	7.06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	7.29	7.09	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	7.32	7.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

York County

404620N0974825.1. Local number 9-4-6dd. Gustav Thieszen. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 18 in, depth 171 ft, perforated 83-171. Lsd 1,718 ft above msl. MP top of casing, at lsd. Highest water level 79.44 below lsd, June 20, 1959; lowest 86.28 below lsd, Aug. 2, 1966. Records available: 1959-66.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	81.00	80.81	80.57	80.50	80.44	80.78	81.59	82.23	81.76	81.59	81.42
10	81.10	80.86	80.71	80.59	80.43	80.32	81.08	81.90	82.03	81.71	81.50	81.47
15	81.08	80.84	80.69	80.60	80.44	80.29	81.14	82.10	81.97	81.83	81.54	81.33
20	80.86	80.82	80.70	80.44	80.40	80.32	81.19	82.31	81.95	81.73	81.46	81.35
25	80.87	80.78	80.69	80.43	80.38	80.32	81.54	82.21	81.89	81.69	81.45	81.32
Eom	80.86	80.80	80.60	80.54	80.42	80.37	81.61	82.25	81.89	81.55	81.39	81.23

404620N0974825\_1--Continued.

1963												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	81.25	81.07	80.92	80.80	80.97	80.72	81.17	82.23	82.30	82.10	81.99	81.80
10	81.27	81.13	80.90	80.83	80.87	80.72	81.16	82.57	82.22	82.10	81.95	81.80
15	81.23	81.00	80.80	80.81	80.86	80.82	81.20	82.44	82.23	82.02	81.82	81.80
20	81.21	81.14	80.97	80.82	80.81	80.74	81.49	82.45	82.22	82.00	81.87	81.75
25	81.10	81.08	80.93	80.76	80.70	80.83	82.00	82.41	82.15	82.00	81.89	81.68
Eom	81.00	81.07	80.81	80.85	80.67	80.77	82.15	82.35	82.09	82.04	81.82	81.62
1964												
5	81.64	81.53	81.43	81.27	81.18	81.38	81.28	83.70	83.66	83.40	83.24	83.07
10	81.60	81.62	81.43	81.27	81.25	81.43	81.88	83.84	83.71	83.35	83.15	83.00
15	81.61	81.53	81.40	81.25	81.30	81.37	82.20	84.12	83.60	83.27	83.27	82.94
20	81.67	81.55	81.45	81.33	81.20	81.33	82.63	84.22	83.54	83.29	83.34	83.07
25	81.60	81.56	81.37	81.22	81.27	81.23	83.03	83.90	83.40	83.25	83.24	83.09
Eom	81.58	81.40	81.30	81.24	81.43	81.22	83.40	83.74	83.41	83.26	83.14	82.95
1965												
5	82.93	82.65	82.62	82.46	82.37	82.26	82.23	84.26	85.52	84.71	84.30	84.17
10	82.85	82.86	82.61	82.40	82.40	82.26	82.36	84.56	85.24	84.73	84.30	84.00
15	82.97	82.84	82.62	82.53	82.42	82.22	82.87	84.91	85.04	84.55	84.21	84.10
20	82.85	82.80	82.57	82.40	82.26	82.24	83.04	85.20	84.89	84.59	84.20	84.14
25	82.85	82.65	82.54	82.40	82.30	82.15	83.50	85.20	84.93	84.51	84.01	84.02
Eom	82.98	82.68	82.50	82.36	82.26	82.22	84.03	85.45	84.81	84.52	84.12	84.00
1966												
5	83.90	83.60	83.59	83.28	83.11	83.14	83.44	85.96	85.24	85.90	85.74	85.49
10	83.91	83.67	83.39	83.19	83.10	83.07	84.09	85.60	85.40	85.96	85.73	85.50
15	83.85	83.60	83.41	83.21	83.15	83.06	84.60	85.64	85.55	85.90	85.61	85.47
20	83.75	83.58	83.37	83.31	83.17	83.04	85.23	85.80	85.65	85.88	85.58	85.33
25	83.70	83.53	83.37	83.18	83.14	83.15	85.67	85.45	85.70	85.89	85.57	85.35
Eom	83.65	83.47	83.37	83.25	83.19	83.02	86.26	85.09	85.75	85.86	85.62	85.25

405305N0973515.1. Local number 11-2-31ba1. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 8 in, depth 102 ft, perforated casing 84-102 ft. Lsd 1,659.1 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 84.22 below lsd, May 25, 1958; lowest 91.94 below lsd, Sept. 3, 1966. Records available: 1957-66.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	86.04	85.90	85.81	85.68	85.62	85.68	85.90	86.23	87.47	86.85	86.55	86.35
10	86.01	85.86	85.76	85.66	85.60	85.65	86.08	86.63	87.33	86.78	86.50	86.35
15	85.99	85.85	85.76	85.65	85.63	85.66	86.13	87.05	87.20	86.74	86.49	86.30
20	85.94	85.84	85.75	85.62	85.73	85.76	86.11	87.39	87.10	86.70	86.45	86.29
25	85.92	85.83	85.72	85.61	85.70	85.85	86.06	87.45	87.00	86.64	86.41	86.27
Eom	85.92	85.82	85.70	85.63	85.70	85.93	86.13	87.43	86.91	86.58	86.38	86.24
1963												
5	86.24	86.07	85.96	85.89	.....	85.93	87.18	89.20	89.55	88.64	88.23	87.96
10	86.19	86.06	85.95	85.89	85.89	86.11	87.49	89.45	89.35	88.54	88.19	87.92
15	86.17	86.04	85.92	85.89	85.93	86.27	87.79	89.55	89.20	88.47	88.13	87.89
20	86.15	86.06	85.95	85.88	85.93	86.40	88.08	89.61	89.07	88.40	88.09	87.85
25	86.12	86.01	85.92	85.87	85.92	86.67	88.42	89.77	88.85	88.34	88.05	87.80
Eom	86.08	86.01	85.90	.....	85.91	86.86	88.84	89.72	88.74	88.29	88.01	87.76
1964												
5	87.74	87.56	87.45	87.34	87.30	87.55	87.76	90.23	90.56	90.01	89.59	89.37
10	87.70	87.57	87.43	87.33	87.32	87.60	87.95	90.56	90.47	89.91	89.55	89.32
15	87.67	87.54	87.43	87.34	87.32	87.68	88.35	90.78	90.38	89.86	89.55	89.29
20	87.65	87.52	87.41	87.35	87.32	87.69	88.78	90.85	90.30	89.80	89.52	.....
25	87.62	87.50	87.39	87.34	87.39	87.68	89.24	90.80	90.22	89.72	89.46	.....
Eom	87.60	87.46	87.36	87.33	87.50	87.68	89.81	90.66	90.14	89.63	89.42	.....
1965												
5	89.14	88.95	88.85	88.72	88.67	88.61	88.59	89.65	91.15	90.42	89.88	89.50
10	89.12	88.96	88.83	88.71	88.67	88.61	.....	90.00	91.05	90.32	89.80	89.45
15	89.10	88.94	88.81	88.71	88.65	88.61	.....	90.39	90.92	90.22	89.73	89.41
20	89.06	88.91	88.80	88.68	88.66	88.57	.....	90.77	90.77	90.13	89.67	89.37
25	89.05	88.87	88.77	88.67	88.65	88.57	.....	90.96	90.65	90.05	89.61	89.35
Eom	89.04	88.86	88.76	88.67	88.62	88.60	.....	91.20	90.53	89.96	89.56	89.29
1966												
5	89.24	89.01	88.90	88.77	88.69	89.30	89.40	91.27	91.90	91.38	90.97	90.68
10	89.21	89.00	88.84	88.74	88.95	89.29	89.75	91.60	91.84	91.30	90.96	90.65
15	89.17	88.99	88.82	88.73	89.04	89.25	90.18	91.80	91.75	91.25	90.86	90.60
20	89.14	88.96	88.80	88.73	89.22	89.30	90.50	91.90	91.65	91.20	90.81	90.57
25	89.10	88.92	88.79	88.70	89.24	89.34	90.78	91.91	91.55	91.15	90.77	90.64
Eom	89.05	88.90	88.76	88.71	89.24	89.34	91.09	91.90	91.45	91.09	90.73	90.55

405305N0973610.1. Local number 11-3-36ab. Mother Jewels Home. Drilled irrigation water-table well in sand of Pleistocene age, diam 12 in, depth 175 ft, casing perforated below water table. Lsd 1,646 ft above msl. MP hole in turbine base, at lsd. Highest water level 65.82 below lsd, Sept. 11, 1952; lowest 74.57 below lsd, Oct. 13, 1966. Records available: 1948-61, 1963-66. No measurement made in 1962. Oct. 7, 1963, 72.56; Oct. 7, 1964, 73.95; Oct. 20, 1965, 73.56; Oct. 13, 1966, 74.57.



## References

- Emery, P. A., and Malhoit, M. M., 1963, Water levels in observation wells in Nebraska, 1962: Nebraska Water Survey Paper No. 13.
- 1964, Water levels in observation wells in Nebraska, 1963: Nebraska Water Survey Paper No. 14.
- 1965, Water levels in observation wells in Nebraska, 1964: Nebraska Water Survey Paper No. 17.
- 1966, Water levels in observation wells in Nebraska, 1965: Nebraska Water Survey Paper No. 18.
- Keech, C. F., 1967, Water levels in observation wells in Nebraska, 1966: Nebraska Water Survey Paper No. 20.

# NORTH DAKOTA

The observation-well program in North Dakota was continued in 1962 through 1966 in cooperation with the State Water Commission and the North Dakota Geological Survey. Figure 8 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management's system of land subdivision. Each well number is made up of three segments. The first segment indicates the township, the second the range, and the third the section in which the well is located. The letters after the section number, which are assigned in a counterclockwise direction, represent subdivisions of the section. The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. Numbers are added as suffixes to distinguish wells in the same tract. Thus, the number 140-61-16dcc designates the well in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 16, T. 140 N., R. 61 W.

## Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated.

### Barnes County

465610N0982249.1. Local number 140-61-16dcc. L. A. Flynn. Drilled unused water-table well in glacial drift, diam 12 in, depth 51 ft, slotted 45-51. MP top of casing, 0.5 ft above lsd. Highest water level 33.59 below lsd, Oct. 24, 1966; lowest 37.78 below lsd, May 2, 1961. Records available: 1953-66. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 23, 1962	37.57	Apr. 22, 1963	36.31	Sept. 29, 1964	35.80	Nov. 15, 1965	34.18
Nov. 28	36.55	Dec. 2	35.90	Nov. 5	35.38	Apr. 15, 1966	34.35
Mar. 27, 1963	35.93	May 1, 1964	36.00	May 28, 1965	35.64	Oct. 24	33.59

471009N0982758.1. Local number 143-61-30cccl. U.S. Geol. Survey. Drilled unused water-table well in glacial sand and gravel, diam 1 $\frac{1}{4}$  in, depth 66 ft, well point. MP top of pipe, 2.70 ft above lsd. Highest water level 15.29 below lsd, May 24, 1950; lowest 45.77 below lsd, June 2, 1965. Records available: 1950, 1952-66. Water levels affected by pumping of nearby municipal well.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 23, 1962	39.53	Dec. 2, 1963	40.24	June 2, 1965	45.77	Apr. 15, 1966	39.60
Nov. 28	41.66	May 4, 1964	43.40	Nov. 11	42.37	Oct. 24	37.08
Apr. 22, 1963	42.69	Sept. 29	40.79				

### Benson County

475224N0984433.1. Local number 151-63-29aac2 (erroneously reported as 29acc). U.S. Geol. Survey. Drilled unused water-table well in glacial outwash sand and gravel, diam 6 in, depth 67 ft, slotted pipe 57-67. MP top of casing, 0.50 ft above lsd. Highest water level 15.20 below lsd, Dec. 15, 1957; lowest 20.80 below lsd, May 20, 1964. Records available: 1951-66. Water level readings from recorder graph.

Jan. 1, 1962	17.35	Sept. 30, 1963	20.07	Jan. 15, 1964	20.42	May 10, 1964	20.65
5	17.41	Oct. 1	20.10	20	20.35	15	20.65
10	17.34	5	20.09	25	20.43	20	20.80
30	17.41	10	20.13	31	20.44	25	20.79
Mar. 30	18.09	15	20.14	Feb. 1	20.44	30	20.59
Nov. 28	18.22	20	20.19	5	20.44	July 1	20.56
Dec. 18	18.20	25	20.22	10	20.47	Aug. 26	20.59
Jan. 17, 1963	18.52	31	20.14	15	20.38	31	20.56
Mar. 6	18.66	Nov. 1	20.17	20	20.41	Sept. 1	20.57
Apr. 4	18.91	5	20.06	25	20.37	5	20.50
July 25	19.82	10	20.23	29	20.35	10	20.50
31	19.38	15	20.20	Mar. 1	20.40	15	20.50
Aug. 1	19.69	20	20.27	5	20.46	20	20.55
5	19.71	25	20.17	10	20.41	25	20.52
10	19.91	30	20.26	15	20.38	30	20.58
15	19.72	Dec. 1	20.13	20	20.28	Oct. 1	20.48
20	20.00	5	20.21	25	20.29	5	20.47
25	19.92	10	20.26	30	20.20	9	20.40
31	19.92	15	20.26	Apr. 1	20.22	Nov. 13	20.23
Sept. 1	19.80	20	20.26	5	20.31	Dec. 20	20.37
5	19.98	25	20.36	10	20.28	24	20.37
10	19.98	31	20.27	15	20.45	Jan. 6, 1965	20.34
15	19.88	Jan. 1, 1964	20.34	20	20.43	Feb. 12	20.58
20	19.94	5	20.35	23	20.55	Mar. 10	20.62
25	19.79	10	20.34	May 5	20.55	Apr. 15	20.44

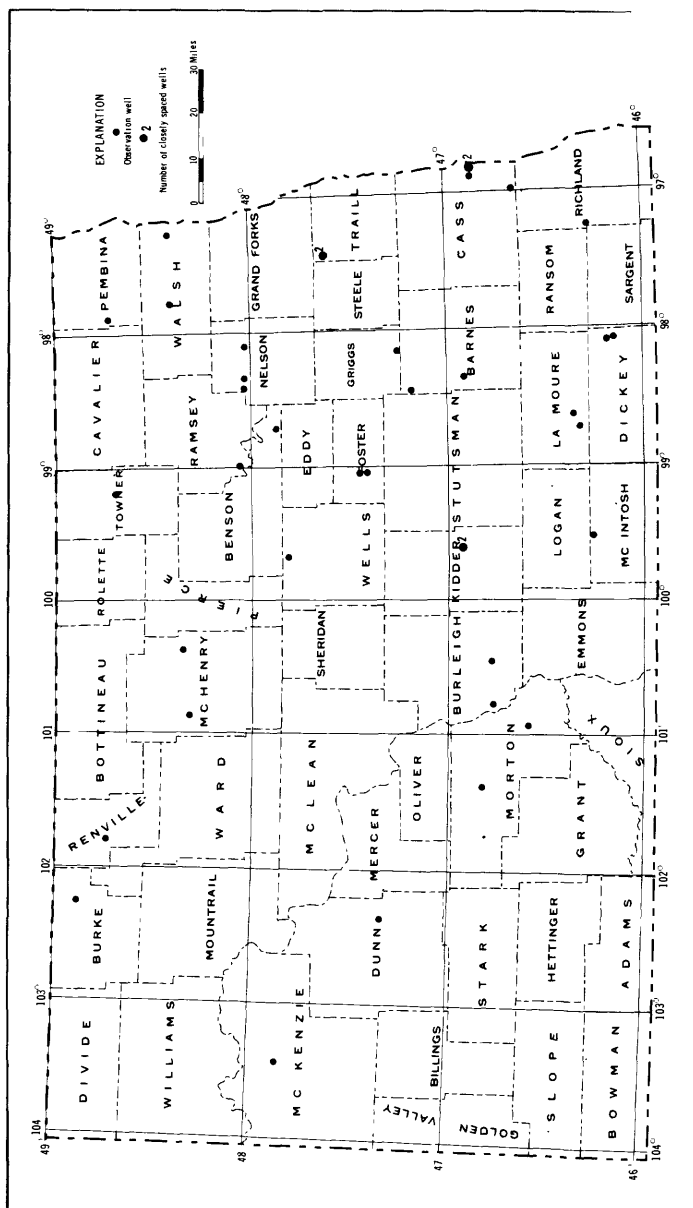


Figure 8. --Location of observation wells in North Dakota, 1962-66.

475224N0984433, 1---Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 20, 1965	20.33	Aug. 31, 1965	19.58	Feb. 15, 1966	20.51	July 20, 1966	20.02
25	20.26	Sept. 5	20.62	20	20.53	25	19.88
27	20.23	10	19.46	25	20.48	31	20.02
30	20.27	20	20.33	28	20.58	Aug. 5	19.87
May 3	20.45	25	20.49	Mar. 5	20.40	10	19.78
5	20.39	27	20.30	10	20.60	15	19.86
10	20.28	30	20.46	12	20.63	20	19.84
15	20.28	Oct. 5	20.39	15	20.33	25	19.72
20	20.30	8	20.63	20	20.19	30	19.96
25	20.37	10	20.23	25	20.14	Sept. 5	19.84
27	20.19	15	20.45	27	20.01	10	19.81
31	20.38	20	20.45	30	20.06	15	19.99
June 5	20.24	25	20.42	Apr. 2	20.00	20	19.99
10	20.28	28	20.21	5	20.02	25	19.85
15	20.45	31	20.39	10	20.07	30	19.85
18	20.67	Nov. 5	20.34	15	20.05	Oct. 5	19.75
20	20.50	10	20.36	20	20.06	26	19.85
25	18.55	15	20.33	25	20.07	31	19.88
30	18.51	20	20.28	30	20.06	Nov. 5	19.84
July 5	18.49	24	20.17	May 5	20.07	10	19.89
8	18.21	Jan. 11, 1966	20.27	10	20.00	15	19.94
10	18.73	15	20.45	15	20.04	20	19.97
15	18.49	16	20.25	20	20.01	25	19.90
20	18.49	20	20.42	25	20.03	30	19.90
Aug. 12	20.77	25	20.46	31	20.02	Dec. 5	19.92
14	20.79	28	20.46	June 5	20.18	10	19.92
15	20.68	31	20.42	10	20.20	15	19.93
18	19.39	Feb. 5	20.48	14	h20.05	20	20.02
20	20.77	6	20.28	July 13	h19.90	25	20.05
25	20.68	10	20.45	15	20.17	31	20.05

h Tape measurement.

Burke County

485252N1021431.1. Local number 162-89-5dd1. Gust Cron (previously reported C. B. Cron). Drilled unused artesian well in glacial drift, diam 3 in, depth 394 ft, well point 388-394. MP top of casing, 2.49 ft above lsd. Highest water level 65.95 below lsd, Oct. 19, 1955; lowest 71.97 below lsd, Oct. 5, 1966. Records available: 1937-66. Measurement discontinued.

May 25, 1962	69.32	Nov. 21, 1963	69.40	Oct. 7, 1964	69.69	Nov. 18, 1965	71.64
Nov. 27	69.15	May 6, 1964	69.82	May 25, 1965	71.33	Oct. 5, 1966	71.97
Apr. 25, 1963	69.68						

Burleigh County

464542N1002224.1. Local number 138-77-22aad. U.S. Geol. Survey. Drilled observation artesian well in outwash channel deposits, diam 4½ in, depth 126 ft, cased to 118. Hell Creek Formation reached at 122 ft; sand and gravel aquifer from 89-122, screened with vertically slotted casing, gravel-packed from 86-118. Lsd 1,738.96 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 9.88 below lsd, May 15, 1966; lowest 20.05 below lsd, Oct. 20, 1963. Records available: 1961-66. Water level readings from recorder graph.

Jan. 5, 1962	11.38	June 10, 1962	11.74	Nov. 15, 1962	12.32	Apr. 20, 1963	10.46
10	11.50	15	11.59	20	12.15	25	10.45
15	e10.90	20	11.40	25	12.14	30	10.38
20	10.72	25	11.35	30	12.00	May 5	10.40
25	h10.67	30	11.21	Dec. 5	11.87	10	14.02
31	10.62	July 5	11.01	10	11.78	15	13.30
Feb. 5	10.59	10	10.95	15	11.73	20	11.25
10	e10.55	15	10.91	20	11.69	25	14.01
15	10.51	20	10.80	25	11.62	31	15.22
20	10.47	25	10.80	31	11.54	June 5	12.65
25	h10.43	31	11.95	Jan. 5, 1963	11.41	10	12.04
28	10.42	Aug. 5	16.71	10	11.36	15	11.75
Mar. 5	10.38	10	16.78	15	11.36	20	11.72
10	e10.33	15	18.10	20	11.34	25	11.66
15	10.30	20	19.09	25	11.30	30	11.36
20	10.26	25	18.93	31	11.28	July 5	11.33
25	10.23	31	19.49	Feb. 5	11.25	10	12.84
31	h10.21	Sept. 5	18.56	10	11.24	15	14.68
Apr. 5	10.18	10	16.07	15	11.24	20	15.15
10	10.20	15	15.18	20	11.20	25	17.61
15	10.20	20	14.52	25	11.10	31	18.20
20	10.25	25	14.11	28	11.06	Aug. 5	17.54
25	10.40	30	13.58	Mar. 5	10.97	10	17.80
30	h10.53	Oct. 5	13.45	10	10.77	15	17.95
May 5	15.33	10	13.26	15	10.72	20	15.60
10	16.39	15	13.01	20	10.70	25	14.81
15	16.00	20	12.87	25	10.66	31	14.16
20	13.70	25	12.72	31	10.61	Sept. 5	13.75
25	13.42	31	12.75	Apr. 5	10.58	10	13.48
31	12.25	Nov. 5	12.64	10	10.51	15	13.52
June 5	12.01	10	12.45	15	10.48	20	13.66

464542N1002224.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 25, 1963	13.80	July 10, 1964	11.37	July 5, 1965	10.81	Apr. 15, 1966	10.40
30	13.97	15	e11.40	10	10.78	20	10.15
Oct. 5	14.15	25	e11.36	15	10.75	25	10.15
10	17.04	31	15.99	20	10.75	27	10.05
15	19.35	Aug. 5	16.08	25	10.68	30	10.10
20	20.05	10	16.01	31	15.30	May 5	10.10
25	19.85	15	15.98	Aug. 5	13.77	10	10.10
31	17.13	20	16.03	10	12.80	15	9.88
Nov. 5	16.95	31	15.47	25	h14.52	20	9.90
10	16.34	Sept. 5	15.47	31	15.80	25	9.93
20	15.71	10	15.07	Sept. 5	13.82	31	10.63
Dec. 5	13.99	15	14.48	10	13.20	June 5	11.17
10	13.75	20	14.22	15	12.75	10	11.21
15	13.65	25	13.83	20	12.42	14	10.90
20	13.62	30	13.78	25	12.16	July 14	10.52
25	13.57	Oct. 5	e15.32	30	11.93	Aug. 19	h11.94
31	13.56	10	15.56	Oct. 5	h11.75	20	11.95
Jan. 5, 1964	13.03	15	17.62	10	11.63	25	11.70
10	12.92	20	17.02	15	11.53	31	11.65
20	12.26	25	17.08	20	11.42	Sept. 1	13.33
25	12.55	Dec. 20	12.76	25	11.36	5	11.93
31	12.46	25	12.60	31	11.32	10	11.66
Feb. 5	12.37	31	12.51	Nov. 1	11.32	15	11.53
10	12.20	Jan. 5, 1965	12.40	5	h11.29	20	11.41
15	12.16	10	12.32	10	11.20	25	11.32
20	12.12	15	12.21	15	11.13	29	11.18
25	12.01	20	12.29	20	11.10	30	11.19
29	11.96	25	12.20	25	11.05	Oct. 1	11.02
Mar. 5	11.93	31	12.10	30	11.03	5	10.97
10	12.87	Mar. 25	h11.47	30	11.00	10	10.90
15	e12.72	30	11.49	Dec. 5	11.00	15	10.84
20	e12.50	31	11.46	10	10.95	20	10.76
25	e12.25	Apr. 5	11.43	15	10.90	25	10.78
31	e11.95	10	11.33	20	10.84	30	10.72
Apr. 5	11.45	26	h11.16	25	h10.83	31	10.75
20	11.48	30	11.16	29	10.74	Nov. 5	10.71
25	11.65	May 5	10.97	31	10.75	10	10.63
30	11.52	10	10.97	Jan. 5, 1966	10.73	15	10.60
May 5	11.42	15	10.96	10	10.68	20	10.58
10	11.40	20	11.00	15	10.65	25	10.53
15	11.42	27	h10.87	Feb. 4	10.52	30	10.53
20	11.40	31	10.83	5	10.51	Dec. 5	10.51
25	11.66	June 5	10.82	12	10.43	10	10.43
31	12.03	10	10.84	15	10.45	15	10.37
June 5	12.00	15	10.78	20	10.45	20	10.33
26	11.48	20	10.78	Mar. 18	10.15	25	10.33
30	11.46	25	10.80	Apr. 12	10.10	31	10.35
July 5	11.38	30	10.83				

e Estimated.

h Tape measurement.

464558N1004551.1. Local number 138-80-15cdd. U.S. Geol. Survey. Drilled observation artesian well in outwash channel deposits, diam  $4\frac{1}{2}$  in, depth 169 ft, cased to 140. Hell Creek Formation reached at 156 ft; sand and gravel aquifer from 93-156, screened with vertically slotted casing, gravel-packed from 110-140. Lsd 1,658.4 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 34.01 below lsd, Mar. 20, 1966; lowest 40.85 below lsd, Oct. 20, 1961. Records available: 1961-66. Water level readings from recorder graph.

Jan. 5, 1962	38.31	June 25, 1962	36.72	Nov. 5, 1962	38.80	Mar. 10, 1963	36.89
10	38.09	30	37.00	10	39.70	15	36.84
15	37.98	July 5	36.83	15	38.68	20	36.80
20	37.85	10	37.05	20	39.71	25	36.75
25	37.70	15	37.13	25	38.69	31	36.83
31	e37.59	20	37.19	30	39.70	Apr. 5	36.80
Feb. 20	e37.21	25	38.27	Dec. 5	38.74	10	36.94
Mar. 10	e36.09	31	38.95	10	38.73	15	36.89
31	e36.57	Aug. 5	39.00	15	e38.73	20	36.98
Apr. 2	36.45	10	38.97	20	38.72	25	36.98
10	36.50	15	h38.56	25	e38.71	30	36.97
15	36.55	20	38.58	31	38.70	May 5	37.11
20	36.61	25	38.62	Jan. 5, 1963	38.60	10	37.19
25	36.66	31	h38.75	10	38.43	15	37.26
30	36.77	Sept. 5	38.77	15	38.31	20	37.33
May 5	37.34	10	38.76	20	38.08	25	37.61
10	38.20	15	38.85	25	37.98	31	37.58
15	37.20	20	39.07	31	37.80	June 5	37.51
20	36.87	25	39.25	Feb. 5	37.59	10	37.49
20	h36.71	30	39.15	10	37.50	15	37.63
31	36.64	Oct. 5	39.18	15	37.48	20	38.78
June 5	36.55	15	39.43	20	37.27	25	37.77
10	36.50	20	39.51	25	37.28	30	37.60
15	36.43	25	39.42	28	37.27	July 5	37.70
20	36.48	31	39.30	Mar. 5	37.16	10	38.69

464558N1004551.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
July 15, 1963	39.18	June 25, 1964	36.59	June 25, 1965	35.46	Apr. 20, 1966	34.73
20	39.25	30	36.82	28	h35.54	25	34.91
25	39.31	July 5	36.78	30	35.72	30	35.00
31	39.57	10	36.94	July 5	35.64	May 1	35.00
Aug. 5	39.46	31	38.13	10	35.72	5	35.15
10	39.15	Aug. 10	38.70	15	35.76	10	35.22
15	39.16	15	38.68	20	36.15	15	35.22
20	39.12	20	38.67	25	35.92	20	35.80
25	38.98	25	38.64	31	36.11	25	36.04
31	38.96	31	38.88	Aug. 5	36.90	31	36.83
Sept. 5	38.93	Sept. 5	39.32	10	36.43	1	35.81
10	39.12	10	39.57	15	36.52	5	36.10
15	39.31	15	39.36	20	37.34	10	36.11
20	39.53	20	39.31	25	h36.95	15	36.28
25	39.38	25	h39.53	31	36.91	20	36.78
30	39.94	30	39.03	Sept. 5	36.99	25	36.37
Oct. 5	40.62	Oct. 5	38.93	10	37.08	29	36.84
10	40.14	10	38.80	15	37.06	30	36.82
15	40.50	15	38.75	20	37.07	July 4	36.28
20	39.86	20	38.70	25	37.10	5	e36.38
25	40.31	25	38.99	30	37.02	10	36.50
31	40.37	30	39.11	Oct. 5	36.94	15	37.40
Nov. 5	41.60	Nov. 5	39.21	10	36.83	20	38.12
10	40.26	10	38.89	15	36.86	22	39.73
15	40.05	15	38.62	20	36.76	25	38.79
20	39.74	20	38.49	25	36.68	31	38.71
25	39.65	Dec. 20	36.55	31	36.59	Aug. 5	37.72
30	39.62	25	36.31	Nov. 4	36.59	10	38.20
Dec. 5	39.60	31	36.12	5	h36.57	11	38.29
10	39.40	Jan. 5, 1965	36.91	10	36.46	20	37.32
31	38.15	10	35.75	15	36.34	25	37.35
Jan. 5, 1964	38.03	15	36.61	20	36.31	27	37.22
15	e37.40	20	36.37	25	36.33	31	37.30
20	e37.18	25	36.37	30	36.26	Sept. 5	37.67
25	e36.94	31	36.19	Dec. 5	36.31	8	37.54
31	e36.71	Feb. 5	38.03	10	36.26	10	37.92
Feb. 5	36.75	10	35.93	15	36.24	15	37.96
10	36.66	15	35.80	20	36.18	20	37.67
15	36.55	20	35.63	25	36.22	23	38.31
20	e36.45	25	35.60	31	36.03	25	38.23
25	e36.35	28	35.82	Jan. 1, 1966	36.03	30	37.81
29	e36.25	Mar. 5	35.48	5	35.93	Oct. 1	37.81
Mar. 5	e36.15	10	35.39	10	35.77	5	37.78
10	36.05	15	35.26	15	35.87	10	37.73
15	36.08	17	35.25	20	35.41	15	37.72
20	e36.15	20	35.25	25	35.25	20	37.57
25	e36.13	25	35.23	31	34.91	25	37.49
31	e35.97	31	35.11	Feb. 1	34.91	30	37.37
Apr. 5	36.23	Apr. 5	35.01	5	34.83	31	37.44
10	36.35	10	34.89	10	34.70	Nov. 1	37.44
15	36.36	14	h34.93	15	34.66	5	37.36
20	36.41	15	34.98	20	34.63	10	37.29
25	36.25	20	34.93	25	34.45	15	37.27
30	36.27	25	34.94	28	34.39	20	37.17
May 5	36.18	30	35.05	Mar. 5	34.49	25	37.08
10	36.31	May 5	35.04	20	39.97	30	37.12
15	36.38	10	34.99	20	34.01	Dec. 1	37.09
20	36.73	14	35.10	25	34.06	5	37.02
25	37.29	28	h35.22	31	34.16	10	37.00
31	39.18	30	35.10	Apr. 1	34.16	15	36.77
June 5	38.93	June 5	35.29	5	34.31	20	36.55
10	37.12	10	35.42	10	34.55	25	36.47
15	e36.90	15	35.32	15	34.71	31	36.27
20	36.81	20	35.30				

e Estimated.

h Tape measurement.

## Cass County

463851N0970101.1. Local number 137-50-29dea (previously reported 29dda5). City of Kindred. Drilled public-supply water-table well in deposits of glacial Lake Agassiz, diam 16 in, depth 100 ft, open end at 85. MP top of wooden well cover at hole about 1.00 ft south of pump, at lsd. Highest water level 1.06 below lsd, May 22, 1962; lowest 11.47 below lsd, Apr. 12, 1957. Records available: 1948-52, 1954-66.

May 22, 1962	1.06	Apr. 3, 1964	7.45	Aug. 1, 1964	6.40	Dec. 9, 1964	7.99
Nov. 30	6.74	May 7	4.30	Sept. 3	7.13	May 27, 1965	4.40
Apr. 22, 1963	6.25	11	4.70	28	6.67	Nov. 16	6.57
Dec. 2	7.98	June 1	8.56	Oct. 1	6.90	Apr. 14, 1966	4.98
Jan. 20, 1964	8.27	July 1	5.39	Nov. 2	7.73	Oct. 25	6.74

465239N0964741.1. Local number 139-46-6cdd1. The Pierce Co. 1019 1st Ave. North, Fargo. Drilled unused artesian well in glacial drift, diam 6 in, total depth 403 ft, glacial drift aquifer at 180, granite reached at 280. MP top edge of coupling on top of casing, about 5 ft below lsd. Highest water level 28.01 below lsd, July 3, 1940; lowest 83.98 below lsd, Aug. 12, 1960. Records available: 1940-66. Subsequent to May 2, 1966, annual measurements only.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1962	49.31	Jan. 25, 1963	49.92	Mar. 13, 1964	49.68	Apr. 12, 1965	51.12
11	44.27	Feb. 1	48.93	20	49.68	19	51.21
20	49.06	8	48.97	27	49.92	26	51.27
26	48.98	15	48.96	Apr. 3	50.58	May 3	51.31
Feb. 2	48.92	21	49.98	10	50.65	10	51.32
9	49.00	Mar. 1	49.03	25	50.73	17	51.35
16	48.90	8	49.07	May 1	50.87	24	51.40
23	48.90	15	49.05	11	50.99	June 2	51.43
Mar. 2	48.89	25	49.18	18	51.06	11	51.41
9	48.86	29	49.21	25	51.13	18	51.53
16	46.90	Apr. 8	49.30	30	51.08	25	51.57
23	48.96	15	49.19	June 5	50.40	July 2	51.62
30	49.02	22	49.51	12	51.07	9	51.67
Apr. 6	49.11	29	49.58	19	50.41	16	51.69
13	49.10	May 6	49.58	July 3	a76.08	28	51.61
19	49.10	13	49.68	10	a79.16	Aug. 6	51.73
30	49.00	20	49.76	17	a76.70	13	51.81
May 7	48.82	27	49.82	27	a70.81	20	51.78
14	48.73	June 3	49.81	Aug. 3	51.15	27	51.72
21	48.65	10	a74.32	10	51.40	Sept. 3	51.68
25	48.58	17	50.55	19	51.89	13	51.61
June 1	48.69	28	50.56	28	51.83	20	51.60
8	48.74	July 12	50.50	Sept. 7	51.77	27	51.52
15	48.71	19	a77.79	14	51.16	Oct. 4	51.54
20	48.80	26	a77.41	21	51.46	11	51.56
29	48.72	Aug. 2	52.87	28	51.39	18	51.53
July 6	48.87	12	52.12	Oct. 5	51.40	25	51.47
20	48.83	19	51.57	12	51.06	Nov. 1	51.39
27	48.85	26	51.20	19	51.03	8	51.27
Aug. 3	48.84	Sept. 4	50.56	26	51.04	15	51.15
10	49.02	16	50.58	Nov. 2	51.03	22	51.00
17	48.99	23	50.51	16	51.02	Dec. 6	50.94
24	48.92	Oct. 7	50.31	23	50.94	13	50.90
31	48.92	14	50.22	30	50.91	20	50.89
Sept. 7	48.94	21	50.21	Dec. 7	50.89	30	50.88
14	48.90	28	50.18	14	50.79	Jan. 10, 1966	50.89
21	48.90	Nov. 4	50.09	21	50.75	17	50.91
28	48.88	15	49.92	28	50.77	24	50.92
Oct. 5	48.87	26	49.79	Jan. 4, 1965	50.80	31	50.94
12	48.87	Dec. 3	49.76	11	50.78	Feb. 7	50.94
19	48.84	10	49.79	18	50.74	14	50.95
26	48.78	17	49.72	25	50.73	21	50.97
Nov. 2	48.81	24	49.69	Feb. 1	50.69	28	50.98
9	48.72	Jan. 3, 1964	49.71	8	50.74	Mar. 14	50.83
16	48.75	13	49.68	15	50.78	21	50.30
23	48.79	20	49.54	22	50.84	28	50.38
30	48.83	27	49.60	Mar. 1	50.96	Apr. 5	50.51
Dec. 7	48.81	Feb. 3	49.64	8	51.01	12	50.53
14	48.81	10	49.69	15	51.06	19	50.49
26	48.79	16	49.51	26	51.13	25	50.50
Jan. 11, 1963	48.88	24	49.60	Apr. 7	51.08	May 2	50.50
18	48.90	Mar. 2	49.63				

a Well being pumped.

465218N0964711.1. Local number 139-48-7aob1. City of Fargo. Island Park. Drilled unused artesian well in glacial drift, diam 10 in, depth 228 ft, screened 218-228. MP top edge of coupling on top of 8-in casing, 2.80 ft above lsd. Highest water level 36.68 ft below lsd, July 19, 1940; lowest 48.69 below lsd, Nov. 15, 1960. Records available: 1940-66. Measurement discontinued.

Jan. 3, 1962	46.49	June 15, 1962	45.68	Nov. 23, 1962	46.40	May 13, 1963	46.48
20	46.43	20	45.93	30	46.40	20	46.51
26	46.38	29	46.11	Dec. 7	46.81	27	46.56
Feb. 2	46.34	July 6	46.22	14	46.42	June 3	46.50
9	46.37	20	46.20	26	46.44	10	46.34
16	46.29	27	46.02	Jan. 11, 1963	46.43	17	46.32
23	46.27	Aug. 3	48.40	18	46.44	28	46.75
Mar. 2	46.24	10	46.30	25	46.43	July 12	46.86
9	46.15	17	46.40	Feb. 1	46.42	19	46.92
16	46.21	24	46.49	8	46.41	26	46.93
23	46.28	31	46.50	15	46.40	Aug. 2	46.93
30	46.35	Sept. 7	48.51	21	46.42	12	46.92
Apr. 6	46.40	14	46.50	Mar. 1	46.43	19	46.95
13	46.34	21	46.56	8	46.44	26	47.03
19	46.28	28	46.60	15	46.43	Sept. 4	47.08
30	46.35	Oct. 5	46.59	25	46.41	16	47.08
May 7	46.32	12	46.60	29	46.40	23	47.10
14	46.33	14	46.59	Apr. 8	46.35	Oct. 7	47.11
21	46.09	26	46.58	15	46.37	14	47.14
25	45.62	Nov. 2	46.58	22	46.41	21	47.14
June 1	46.34	9	46.50	29	46.46	28	47.13
8	46.34	16	46.46	May 6	46.45	Nov. 4	47.15

465218N0964711.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 15, 1963	47.13	July 17, 1964	47.28	Feb. 22, 1965	47.36	Oct. 4, 1965	47.54
26	47.12	27	47.31	Mar. 1	47.38	11	47.59
Dec. 3	47.09	Aug. 3	47.42	8	47.35	18	47.59
10	47.11	10	47.44	15	47.36	25	47.56
17	47.09	19	47.38	26	47.33	Nov. 1	47.52
24	47.07	28	47.22	Apr. 7	47.28	8	47.47
Jan. 3, 1964	47.10	Sept. 7	47.20	12	45.94	15	47.41
13	47.10	14	47.26	19	46.20	22	47.39
20	47.04	21	47.38	26	46.77	Dec. 6	47.33
27	47.06	28	47.47	May 3	47.17	13	47.31
Feb. 3	47.03	Oct. 5	47.51	10	47.25	20	47.28
10	47.00	12	47.51	17	47.25	30	47.27
16	47.02	19	47.48	24	47.28	Jan. 10, 1966	47.29
24	47.29	26	47.49	June 2	47.29	17	47.30
Mar. 2	47.10	Nov. 2	47.44	11	47.18	24	47.31
13	47.03	16	47.46	18	47.23	31	47.33
20	47.02	23	47.48	25	47.24	Feb. 7	47.34
27	47.00	30	47.46	July 2	47.33	14	47.34
Apr. 3	47.09	Dec. 7	47.44	9	47.40	21	47.35
10	47.01	14	47.39	16	47.52	28	47.37
25	46.87	21	47.37	28	47.60	Mar. 14	47.05
May 18	46.89	28	47.39	Aug. 6	47.66	21	46.18
25	46.95	Jan. 4, 1965	47.40	13	47.70	28	46.42
30	47.05	11	47.40	20	47.72	Apr. 5	47.18
June 5	47.10	18	47.37	27	47.41	12	47.20
12	47.07	25	47.38	Sept. 3	47.55	19	47.19
19	47.00	Feb. 1	47.36	13	47.60	25	47.18
July 3	47.18	8	47.39	20	47.56	May 2	47.18
10	47.21	15	47.40	27	47.47		

465309N0965427.1. Local number 139-49-6adb (previously reported 139-49-6ad1). Union Stockyards. Drilled unused artesian well in glacial drift, diam 8 in, depth 230 ft, screened 220-230. MP top of 8-in casing, 0.40 ft above lsd. Highest water level 24.90 below lsd, May 7, 1938; lowest 111.19 below lsd, Mar. 21, 1966. Records available: 1938-66.

Jan. 6, 1962	100.21	Dec. 26, 1962	105.09	Jan. 20, 1964	106.57	Feb. 1, 1965	108.80
20	100.52	Jan. 11, 1963	104.95	27	106.31	8	108.87
26	100.49	18	104.92	Feb. 3	106.28	15	108.91
Feb. 2	100.46	25	104.84	10	106.17	22	108.97
9	100.53	Feb. 1	104.81	16	106.42	Mar. 1	109.04
16	100.63	8	104.79	24	106.31	8	109.07
23	100.72	15	104.78	Mar. 2	106.24	15	109.13
Mar. 2	100.80	21	104.80	20	106.13	26	109.18
9	100.86	Mar. 1	104.82	27	106.10	Apr. 7	109.19
16	100.98	8	104.84	Apr. 3	106.16	12	109.22
23	100.13	15	104.88	10	106.23	19	109.21
30	101.25	25	104.92	25	106.34	26	109.18
Apr. 6	101.33	29	104.97	May 1	106.35	May 3	109.22
13	101.42	Apr. 8	105.06	11	106.38	10	109.24
19	101.51	15	105.11	18	106.42	17	109.27
30	101.66	22	105.18	25	106.44	24	109.30
May 7	101.74	29	105.23	30	106.48	June 2	109.31
14	101.83	May 6	105.25	June 5	106.48	11	109.39
21	101.74	13	105.25	12	106.50	18	109.42
25	101.69	20	105.23	19	106.57	25	109.37
June 1	102.67	27	105.27	July 3	106.57	July 2	109.34
8	102.21	June 3	105.29	10	106.62	9	109.36
15	102.14	10	105.23	17	106.69	16	109.35
20	102.30	17	105.12	27	106.74	28	109.42
27	102.87	28	105.08	Aug. 3	106.88	Aug. 6	109.50
July 6	103.34	July 12	105.11	10	106.93	13	109.60
20	102.90	19	105.12	19	107.05	20	109.65
27	103.17	26	105.11	28	107.18	27	109.74
Aug. 3	103.37	Aug. 2	105.14	Sept. 7	107.23	Sept. 3	108.90
10	103.58	12	105.38	14	107.33	13	110.09
17	103.78	19	105.40	21	107.57	20	110.15
24	103.93	26	105.48	28	107.78	27	110.20
31	104.07	Sept. 4	105.54	Oct. 5	107.68	Oct. 4	110.24
Sept. 7	104.26	16	105.61	12	107.79	11	110.26
14	104.37	23	105.68	19	107.84	18	110.31
21	104.50	Oct. 7	105.78	26	107.96	25	110.43
28	104.57	14	105.90	Nov. 2	108.02	Nov. 1	110.50
Oct. 5	104.69	21	106.01	16	108.08	8	110.59
12	104.81	28	106.26	23	108.16	15	110.64
19	104.93	Nov. 4	106.44	30	108.26	22	110.66
26	105.05	15	106.58	Dec. 7	108.34	Dec. 6	110.71
Nov. 2	105.14	26	106.78	14	108.45	13	110.77
9	105.24	Dec. 3	106.82	21	108.52	20	110.84
16	105.32	10	106.94	28	108.54	30	110.90
23	105.41	17	106.99	Jan. 4, 1965	108.60	Jan. 10, 1966	110.94
30	105.34	24	106.92	11	108.65	17	110.97
Dec. 7	105.29	Jan. 3, 1964	106.83	18	108.69	24	111.01
14	105.22	13	106.67	25	108.73	31	111.02



465309N0965427.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7, 1966	111.04	Feb. 28, 1966	111.13	Mar. 28, 1966	111.18	Apr. 19, 1966	111.07
14	111.06	Mar. 14	111.16	Apr. 5	111.11	25	111.07
21	111.10	21	111.19	12	111.10	May 2	111.04

Dickey County

46092N0980526.1. Local number 131-59-17ddb. Alamo Farms. Drilled irrigation water-table well in outwash deposits at edge of glacial Lake Dakota, diam 18 in, depth 81 ft, lined with concrete, screened 65-81. MP  $\frac{1}{2}$ -in steel pipe in pumpbase, 0.40 ft above lsd. Highest water level 25.74 below lsd, Nov. 28, 1962; lowest 27.10 below lsd, Nov. 8, 1966. Records available: 1962-66.

Nov. 28, 1962	25.74	May 11, 1964	26.85	May 27, 1965	26.80	Apr. 26, 1966	26.75
Apr. 22, 1963	26.24	Oct. 14	26.86	Nov. 15	27.02	Nov. 8	27.10
Dec. 4	26.75	Nov. 25	26.85				

460913N0980456.1. Local number 131-59-28ba1. City of Oakes. Driven observation water-table well in deposits of glacial Lake Dakota, diam 14 in, depth 24 ft, well point. MP top of casing, 1.50 ft above lsd. Highest water level 6.60 below lsd, May 17, 1948; lowest 11.01 below lsd, Sept. 10, 1959. Records available: 1940-57, 1959-66.

May 22, 1962	8.68	Dec. 3, 1963	9.15	Nov. 25, 1964	9.22	Apr. 16, 1966	8.88
Nov. 28	8.59	May 11, 1964	8.50	May 27, 1965	8.53	Nov. 8	9.45
Apr. 22, 1963	8.46	Oct. 14	9.22	Nov. 15	9.28		

Dunn County

472107N1022008.1. Local number 145-92-25ad1. S. F. Lesmeister. Dug domestic and stock water-table well in Fort Union Formation of Paleocene age, diam 4 ft, depth 17 ft, lined with wood. MP top of wood curbing, 2.00 ft above lsd. Highest water level 0.90 above lsd, Jan. 20, 1956; lowest 12.20 below lsd, Aug. 18, 1958. Records available: 1942-56.

Jan. 2, 1962	8.50	Jan. 7, 1963	7.00	Jan. 13, 1964	7.75	Jan. 18, 1965	7.58
8	8.50	14	7.17	20	7.67	25	7.50
15	8.67	21	7.08	27	7.67	Feb. 2	7.58
22	8.50	28	7.00	Feb. 3	7.67	8	7.58
29	8.58	Feb. 4	7.33	10	7.75	15	7.67
Feb. 5	8.67	11	7.46	17	7.92	23	7.67
12	8.67	18	7.50	24	7.92	Mar. 1	7.67
19	8.75	25	7.42	Mar. 2	7.92	8	7.75
26	8.75	Mar. 4	7.67	9	8.00	15	7.67
Mar. 5	8.92	11	7.83	16	8.00	22	7.58
12	9.00	18	7.83	23	8.00	29	7.50
19	9.17	25	8.00	30	7.75	Apr. 5	7.08
26	9.25	Apr. 1	7.42	Apr. 6	7.67	12	5.33
Apr. 2	9.25	8	7.67	13	7.75	19	5.08
9	9.25	15	6.50	20	7.50	26	5.00
16	9.17	22	5.67	27	7.33	May 3	4.67
23	9.08	29	5.00	May 4	7.25	10	4.58
30	8.83	May 6	4.58	11	7.17	17	4.33
May 7	8.83	13	4.00	18	7.00	24	4.00
14	8.50	20	4.42	25	6.75	June 1	4.08
21	7.67	27	4.75	June 1	6.33	7	3.83
June 28	6.83	June 3	5.00	8	5.92	14	3.83
4	5.17	10	5.17	15	5.17	21	4.00
11	4.50	17	5.08	22	5.00	Oct. 4	6.17
18	3.17	24	5.00	29	4.92	11	6.08
July 25	3.50	July 1	5.00	July 6	4.83	18	6.08
7	3.50	8	5.17	13	4.33	25	6.25
9	3.50	15	5.50	20	5.33	Nov. 1	6.33
16	3.92	22	5.83	27	5.50	8	6.42
23	4.83	29	5.83	Aug. 3	5.67	15	6.42
30	3.33	Aug. 5	5.75	10	6.17	22	6.50
Aug. 6	3.33	12	5.92	17	6.42	29	6.50
13	3.50	19	5.92	24	6.42	Dec. 6	6.50
20	3.67	26	6.17	31	6.67	13	6.58
27	3.92	Sept. 2	6.08	Sept. 7	6.92	20	6.67
Sept. 3	4.67	9	6.00	14	6.92	27	6.67
10	4.92	16	6.33	21	6.83	Jan. 3, 1966	7.67
17	5.83	23	6.17	28	6.67	10	7.67
Oct. 24	6.50	30	6.33	Oct. 5	6.92	17	7.92
1	6.50	Oct. 7	6.33	12	7.08	24	7.08
8	6.67	14	6.25	19	7.42	31	7.17
15	6.75	21	6.42	26	7.42	Feb. 7	7.08
22	6.58	28	6.50	Nov. 2	7.42	14	7.33
29	6.67	Nov. 4	6.67	9	7.33	21	7.50
Nov. 5	6.50	11	6.67	16	7.42	28	7.75
12	6.58	18	6.83	24	7.50	Mar. 7	7.75
19	6.42	25	6.92	30	7.50	14	7.58
26	6.67	Dec. 2	6.92	Dec. 7	7.58	21	7.33
Dec. 3	6.75	9	7.00	14	7.50	25	7.17
10	6.83	16	7.00	21	7.50	Apr. 4	7.25
17	6.83	23	7.00	26	7.50	11	7.17
24	7.00	30	7.83	Jan. 4, 1965	7.50	18	7.17
31	7.00	Jan. 6, 1964	7.83	11	7.50	23	7.08

472107N1022008.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 2, 1966	7.00	June 27, 1966	5.92	Aug. 22, 1966	7.67	Oct. 17, 1966	7.50
9	6.92	July 5	5.50	29	7.08	24	7.58
16	6.67	11	5.17	Sept. 5	7.17	31	7.67
23	6.25	18	5.42	12	7.33	Dec. 5	7.50
31	6.17	25	5.17	19	7.42	12	7.50
June 6	6.33	Aug. 1	5.50	26	7.42	19	7.58
13	6.33	8	6.08	Oct. 3	7.50	27	7.67
20	6.25	15	6.50	10	7.42		

Foster County

472953N0990705.1. Local number 146-66-6aad. City of Carrington. Dug standby public-supply water-table well in glacial outwash, diam 32 ft, depth 25 ft, lined with concrete, open end. MP rim of manhole on top of well enclosure, 4.00 ft above lsd. Highest water level 2.49 below lsd, Apr. 12, 1966; lowest 4.80 below lsd, Aug. 6, 1963. Records available: 1961-66.

May 25, 1962	3.63	Dec. 2, 1963	4.45	Sept. 23, 1964	3.84	May 19, 1965	3.22
Nov. 28	3.68	May 20, 1964	2.96	Oct. 15	3.58	Nov. 15	2.72
Apr. 23, 1963	3.66	June 25	3.49	Nov. 20	3.56	Apr. 12, 1966	2.49
Aug. 6	4.80	July 24	4.22	Apr. 23, 1965	3.17	Oct. 26	2.57
Oct. 16	4.70	Aug. 13	4.32				

473030N0990732.1. Local number 147-66-31acc. North Dakota Agricultural Experiment Station. Drilled irrigation artesian well (No. D) in buried glaciofluvial deposits, diam 14 in, depth 93 ft, lined with concrete to 93, screened 60-93. Lsd 1,540.47 ft above msl. MP hole in pumpbase, 0.30 ft above lsd. Highest water level 20.93 below lsd, Oct. 26, 1966; lowest 24.00 below lsd, Aug. 6, 1963. Records available: 1961-66.

May 25, 1962	23.06	Dec. 2, 1963	23.41	Sept. 23, 1964	22.68	Mar. 31, 1965	22.33
Nov. 28	22.61	Feb. 14, 1964	23.47	Oct. 15	22.32	Apr. 23	22.37
Mar. 29, 1963	22.91	Mar. 6	23.48	Nov. 20	22.33	May 19	22.14
Apr. 23	22.88	Apr. 23	23.38	Dec. 22	22.14	Nov. 15	21.07
Aug. 6	24.00	May 20	23.10	Jan. 20, 1965	22.17	Apr. 12, 1966	21.23
Oct. 15	23.63	Aug. 13	23.27	Feb. 19	22.24	Oct. 26	20.93

Griggs County

471641N0981132.1. Local number 144-59-20bcl. Griffith Loan & Investment Co. Drilled unused water-table well in glacial drift, diam 5 in, depth 51 ft, screened 45-51. MP top of casing, 0.90 ft above lsd. Highest water level 14.65 below lsd, Nov. 21, 1957; lowest 27.95 below lsd, Apr. 6, 1941. Records available: 1940-66.

May 22, 1962	19.82	Apr. 22, 1963	18.86	Oct. 13, 1964	17.89	Nov. 15, 1965	15.44
Nov. 28	17.17	Dec. 2	19.34	Nov. 24	17.60	Apr. 15, 1966	17.02
Mar. 27, 1963	18.58	May 1, 1964	20.36	Apr. 27, 1965	18.85	Oct. 24	16.28

Kidder County

465532N0993651.1. Local number 140-71-23ccb. K. Maw. Drilled observation water-table well in glacial drift, diam 8 in, depth 240 ft, cased to 70, perforated 30-70. MP top of 5-in casing, 2.20 ft above lsd. Highest water level 39.54 below lsd, May 3, 1957; lowest 42.27 below lsd, May 28, 1965. Records available: 1955-66.

May 24, 1962	41.96	Dec. 2, 1963	42.09	May 28, 1965	42.27	Apr. 12, 1966	41.77
Nov. 29	41.62	May 1, 1964	42.26	Nov. 12	41.97	Oct. 24	41.55
Apr. 23, 1963	41.75	Oct. 8	42.24				

465518N0993916.1. Local number 140-71-28bba. U.S. Geol. Survey. Drilled observation water-table well in glacial outwash, diam 8 in, depth 90 ft, cased to 60, perforated. Lsd 1,760 ft above msl. MP top edge of casing, 1.00 ft above lsd. Highest water level 11.75 below lsd, Dec. 3, 1956; lowest 13.95 below lsd, Sept. 10, 1959. Records available: 1955-66.

May 24, 1962	13.10	Dec. 29, 1965	12.99	Apr. 5, 1966	12.73	July 25, 1966	12.83
Nov. 29	12.97	31	13.04	10	12.68	31	12.81
Apr. 23, 1963	12.84	Jan. 5, 1966	13.13	15	12.55	Aug. 1	12.82
Dec. 2	13.48	10	13.11	20	12.57	5	12.87
May 1, 1964	13.23	12	13.00	25	12.57	10	12.92
Oct. 8	13.43	15	13.11	30	12.50	15	12.89
May 28, 1965	12.98	18	13.18	May 5	12.46	20	12.95
Oct. 15	13.10	20	13.14	10	12.50	25	12.93
20	13.13	25	13.15	15	12.35	31	12.98
25	13.09	31	13.16	20	12.40	Sept. 5	13.06
30	13.04	Feb. 5	13.17	25	12.47	10	13.10
31	13.07	7	13.14	31	12.55	15	13.14
Nov. 5	13.09	10	13.14	June 5	12.45	20	13.18
8	13.12	15	13.14	6	12.40	25	13.15
10	13.10	20	13.14	10	12.45	30	13.05
15	13.01	25	13.13	15	12.47	Oct. 5	13.06
20	13.06	28	13.06	20	12.45	10	13.01
25	13.08	Mar. 1	13.06	25	12.52	15	13.00
30	13.10	5	13.06	30	12.59	20	12.96
Dec. 5	13.10	10	12.98	July 2	12.57	25	12.94
7	13.11	15	12.99	5	12.58	31	12.95
10	13.08	20	12.95	10	12.58	Nov. 5	12.95
15	13.04	25	12.90	15	12.74	10	12.95
20	13.02	31	12.74	20	12.80	15	12.94
25	13.09	Apr. 1	12.74	23	12.85	20	12.94

465518N0993916, 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 25, 1966	12.93	Dec. 5, 1966	12.88	Dec. 15, 1966	12.95	Dec. 25, 1966	12.98
30	12.93	10	13.00	20	12.92	31	12.92

La Moure County

462151N0984320.1. Local number 133-64-3bc1. City of Edgeley. Drilled unused water-table well in Pierre Shale of Late Cretaceous age, diam 6 in, depth 92 ft, gravel-packed. MP basement-floor level, edge of 6-in flange, 9.00 ft below lsd. Highest water level 20.44 below lsd, Apr. 22, 1963; lowest 28.05 below lsd, Aug. 29, 1946. Records available: 1940-66.

May 22, 1962	22.95	Dec. 4, 1963	21.80	May 27, 1965	22.27	Apr. 26, 1966	21.52
Nov. 29	22.02	May 11, 1964	21.93	Nov. 15	21.79	Nov. 8	21.85
Apr. 22, 1963	20.44	Oct. 14	22.89				

462402N09844012.1. Local number 134-64-24dc1. Mrs. Fidelia Davis. Drilled unused artesian well in Dakota Sandstone of Early Cretaceous age, diam 4 to 1½ in, depth 1,265 ft, screened 1,255-1,265. MP top of casing, 0.60 ft above lsd. Highest water level 1.39 above lsd, Oct. 27, 1955; lowest 3.26 below lsd, Feb. 18, 1938. Records available: 1937-39, 1950, 1955-59, 1961-66.

May 22, 1962	+1.08	Dec. 4, 1963	+0.54	May 27, 1965	+1.08	Apr. 26, 1966	+0.58
Nov. 29	+1.03	May 11, 1964	+1.00	Nov. 15	+1.08	Nov. 8	+1.81
Apr. 22, 1963	+1.08	Oct. 14	+0.75				

McHenry County

482108N10084805.1. Local number 156-79-10aad. U.S. Geol. Survey. Drilled unused water-table well in glacial drift, diam 4 in, depth 121 ft, cased to 102, open-bottom screen. MP top of casing, 2.70 ft above lsd. Highest water level 1.35 above lsd, May 3, 1949; lowest 7.80 below lsd, July 16, 1947. Records available: 1947, 1949, 1952-66.

Nov. 27, 1962	4.42	May 7, 1964	3.90	May 25, 1965	3.17	May 5, 1966	2.54
Apr. 25, 1963	4.76	Oct. 7	3.28	Nov. 17	2.48	Nov. 15	3.03
Nov. 20	3.81						

482220N1002339.1. Local number 157-75-31dcc. U. S. Forest Service. Drilled irrigation water-table well in glacial drift, diam 17 in, depth 44 ft, casing slotted. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 12.77 below lsd, Nov. 17, 1965; lowest 14.63 below lsd, Apr. 25, 1963. Records available: 1961-66. Measurement discontinued.

May 25, 1962	13.39	Nov. 20, 1963	13.30	May 25, 1965	13.15	May 5, 1966	12.83
Nov. 27	13.40	May 7, 1964	13.60	Nov. 17	12.77	Nov. 15	12.85
Apr. 25, 1963	14.63	Dec. 7	13.01				

McIntosh County

461525N0993249.1. Local number 132-71-15aa1. City of Wishek. Dug public-supply water-table well in glacial drift, diam 6 ft, depth 27 ft, lined with concrete. MP cross on southeast side of concrete curb, 0.50 ft above lsd. Highest water level 19.09 below lsd, Oct. 7, 1944; lowest 25.50 below lsd, June 5, 26, 1961. Records available: 1940-46, 1948-66.

Jan. 2, 1962	24.70	Oct. 15, 1962	23.30	July 8, 1963	23.90	Mar. 16, 1964	24.11
8	24.60	22	23.70	15	24.40	23	24.15
16	25.00	31	23.70	22	24.60	30	24.27
22	25.00	Nov. 5	23.40	29	25.10	Apr. 6	24.06
29	24.80	12	23.30	Aug. 5	23.80	13	24.10
Feb. 6	24.80	19	23.50	12	23.80	20	24.10
12	24.75	26	24.40	19	23.90	27	24.14
19	24.80	Dec. 3	23.40	26	23.70	May 4	23.90
26	24.90	10	23.50	Sept. 2	23.60	11	23.92
Mar. 6	24.80	17	24.10	9	24.40	18	24.10
12	24.70	24	23.50	17	23.84	25	24.03
19	24.90	Jan. 7, 1963	23.50	24	24.28	June 1	23.60
26	24.60	14	23.40	30	24.10	8	23.66
Apr. 2	24.70	21	23.40	Oct. 7	24.20	15	23.95
9	24.60	28	23.40	14	24.60	22	23.50
16	24.80	Feb. 4	23.90	21	24.20	29	23.10
23	24.80	11	23.60	29	23.60	July 6	23.85
30	24.90	18	23.30	Nov. 4	23.60	13	23.69
May 8	24.60	25	23.60	11	23.80	20	23.53
14	24.60	Mar. 4	23.60	18	24.00	28	22.94
21	24.50	11	24.20	27	23.76	Aug. 3	23.40
28	24.40	18	23.50	29	23.75	10	23.40
June 5	24.60	25	23.60	Dec. 2	23.80	17	23.06
11	24.60	Apr. 1	23.50	9	23.75	24	23.42
18	24.50	8	23.70	17	23.78	31	22.84
25	24.90	15	23.60	23	23.78	Sept. 8	23.70
July 30	23.30	22	23.60	30	23.76	14	23.62
Aug. 6	24.00	29	23.50	Jan. 6, 1964	23.95	21	22.94
13	24.40	May 6	23.90	13	24.08	28	23.00
20	24.70	13	23.40	20	24.04	Oct. 5	23.35
27	23.50	20	23.70	27	24.00	12	23.60
Sept. 3	23.70	27	24.10	Feb. 3	24.10	20	23.20
14	24.60	June 3	24.10	10	24.05	26	23.40
17	23.90	10	24.30	17	23.97	Nov. 2	23.80
24	24.40	17	24.50	24	23.95	9	23.50
Oct. 1	24.10	24	24.20	Mar. 2	24.03	16	23.58
8	23.30	July 1	24.00	9	24.09	24	23.35

461525N0993249.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 30, 1964	23.30	June 7, 1965	23.80	Dec. 20, 1965	23.40	June 27, 1966	22.19
Dec. 7	23.70	15	23.40	27	23.70	July 5	23.30
14	23.54	21	23.18	Jan. 3, 1966	23.54	11	23.22
21	23.50	28	23.58	10	23.48	20	23.15
28	23.62	July 5	23.48	20	23.30	25	23.02
Jan. 4, 1965	23.50	12	23.62	24	23.44	Aug. 1	22.91
11	23.50	19	23.10	31	23.42	8	22.98
19	23.90	Aug. 2	22.80	Feb. 7	23.60	15	23.40
25	23.62	9	22.56	14	23.32	22	23.26
Feb. 1	24.02	16	22.62	21	23.90	29	23.30
8	23.62	23	23.00	28	23.66	Sept. 5	22.55
15	23.76	30	23.12	Mar. 7	23.60	12	22.90
22	23.72	Sept. 7	22.76	14	23.62	19	22.66
Mar. 2	23.88	14	23.30	21	23.72	26	23.10
8	23.71	20	23.05	28	23.46	Oct. 3	22.80
15	23.90	27	23.17	Apr. 4	23.62	10	22.89
22	23.89	Oct. 4	23.44	11	23.40	17	22.94
29	24.39	11	23.26	20	23.44	24	22.95
Apr. 5	23.80	19	23.60	25	23.48	31	23.11
12	23.70	25	23.22	May 2	23.70	Nov. 7	22.80
19	23.62	Nov. 2	23.30	9	23.55	14	22.94
26	24.01	9	23.42	16	23.74	21	23.15
May 3	23.90	15	23.20	23	23.17	28	23.14
10	23.68	22	23.66	30	23.55	Dec. 5	22.98
17	23.60	29	23.29	June 6	23.36	12	22.99
21	23.50	Dec. 6	23.26	13	23.45	19	24.37
31	23.63	13	23.26	21	23.02		

## McKenzie County

474915N1032556.1. Local number 150-100-12ccl. Charles E. Fleck. Drilled unused water-table well in Fort Union Formation of Paleocene age, diam 6 in, depth 138 ft, screened 130-138. MP top of casing, 0.95 ft above lsd. Highest water level 111.85 below lsd, Nov. 5, 1966; lowest 114.95 below lsd, Sept. 8, 1945. Records available: 1938-66.

Jan. 7, 1962	112.70	Dec. 15, 1962	112.60	Dec. 14, 1963	112.91	Dec. 5, 1964	112.85
13	112.71	22	113.20	21	112.81	12	112.73
20	112.47	29	112.93	28	112.81	Jan. 16, 1965	112.75
27	112.76	Jan. 5, 1963	112.65	Jan. 4, 1964	112.75	Mar. 6	112.82
Feb. 3	112.57	12	112.61	11	113.09	13	112.69
10	112.47	26	112.90	18	112.55	Apr. 17	112.67
17	112.66	Feb. 2	113.10	25	112.72	24	112.67
24	112.65	9	112.75	Feb. 1	112.72	May 1	112.61
Mar. 3	112.66	16	112.66	8	112.83	8	112.91
10	112.64	23	112.81	15	112.51	15	112.85
17	112.68	Mar. 2	112.77	22	112.97	22	112.78
24	112.75	9	112.78	29	112.75	29	112.81
31	112.80	13	112.89	Mar. 7	112.95	June 5	112.80
Apr. 7	112.46	23	112.53	14	112.87	12	112.59
14	112.77	30	112.85	21	112.54	19	112.69
21	112.86	Apr. 6	112.49	28	112.87	26	112.51
28	112.40	13	112.67	Apr. 4	112.50	July 10	112.71
May 5	112.91	20	113.01	11	112.61	17	112.79
12	112.65	27	112.67	18	112.73	24	112.78
19	112.70	May 4	112.96	25	112.60	31	112.71
26	112.74	18	112.79	May 2	112.50	Aug. 7	112.72
June 2	112.67	25	112.63	9	112.84	14	112.85
9	112.60	June 1	112.73	16	112.75	28	112.52
16	112.75	8	112.69	23	112.77	Sept. 4	112.88
23	112.82	15	112.87	30	112.78	11	112.57
30	112.61	22	112.72	June 6	112.69	18	112.65
July 7	112.84	29	112.58	13	112.81	25	112.87
14	112.72	July 13	112.80	20	112.75	Oct. 2	112.90
21	112.65	20	112.68	27	112.55	9	112.60
Aug. 4	112.60	27	112.73	July 18	112.71	16	112.81
11	112.85	Aug. 3	112.61	25	112.75	23	112.71
18	112.60	10	112.66	Aug. 1	112.60	30	112.57
25	112.66	17	112.71	8	112.51	Nov. 6	112.76
Sept. 1	112.72	24	112.81	15	112.77	13	112.77
8	112.90	31	112.71	22	112.89	Dec. 4	112.38
15	112.64	Sept. 7	112.68	30	112.84	11	112.50
22	112.67	14	112.65	Sept. 5	112.44	18	112.47
29	112.71	21	112.75	12	112.65	25	112.30
Oct. 6	112.69	28	112.82	19	112.85	Jan. 1, 1966	112.73
13	112.64	Oct. 5	112.86	26	113.10	8	112.10
20	112.64	12	112.61	Oct. 3	112.25	22	112.50
27	112.85	19	112.88	10	112.65	Feb. 5	112.35
Nov. 3	112.54	26	112.95	17	112.92	12	112.76
10	112.65	Nov. 2	112.45	24	112.55	26	112.37
17	112.64	9	112.86	31	112.85	Mar. 5	112.61
Dec. 1	112.62	16	112.81	Nov. 7	112.68	12	112.55
8	112.85	Dec. 7	112.96	14	112.88	19	112.30

474915N1032556.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 26, 1966	112.37	June 4, 1966	112.37	Aug. 13, 1966	112.30	Oct. 29, 1966	112.18
Apr. 2	112.35	11	112.37	20	112.37	5	111.85
9	112.25	18	112.24	Sept. 10	112.45	12	112.20
16	112.20	25	112.50	17	112.39	19	112.32
23	112.30	July 2	112.37	24	112.40	26	112.55
30	112.40	9	112.41	Oct. 1	112.00	3	112.55
May 7	112.29	16	112.23	8	112.15	17	112.34
14	112.18	23	112.34	15	112.30	24	112.37
21	112.23	30	112.28	22	112.55	31	112.35
28	112.46	Aug. 6	112.45				

Morton County

463707N1065435.1. Local number 136-81-6dcl. Joe Lantz, Jr. Drilled domestic water-table well in Hell Creek Formation of Late Cretaceous age, diam 24 in, depth 67 ft, cased to 60, open-end screen. MP top south side of 24-in wood curb, 0.50 ft above lsd. Highest water level 20.14 below lsd, July 10, 1950; lowest 25.23 below lsd, Apr. 15, 1941. Records available: 1941-57, 1961-66.

May 11, 1962	23.59	Dec. 2, 1963	23.14	June 21, 1965	21.61	May 6, 1966	21.14
Nov. 26	23.53	Apr. 30, 1964	23.23	Nov. 12	21.06	Nov. 10	21.29
Apr. 23, 1963	23.57	Oct. 8	23.12				

465055N1012418.1. Local number 139-85-15cc1. Fred Lehde. Drilled irrigation water-table well in Hell Creek Formation of Late Cretaceous age, diam 24 to 16 in, depth 72 ft, lined with wood. MP north point of wood curbing, 0.50 ft above lsd. Highest water level 28.97 below lsd, Apr. 7, 1951; lowest 71.54 below lsd, Aug. 21, 1955. Records available: 1941-66. Well pumped during growing season.

Jan. 5, 1962	65.65	Feb. 10, 1963	66.58	Mar. 7, 1964	66.82	Mar. 27, 1965	67.67
12	65.62	16	66.79	14	67.23	Apr. 8	67.75
20	67.75	22	64.17	21	66.64	13	67.76
27	68.91	Mar. 4	67.20	31	68.05	16	68.54
Feb. 3	69.69	9	69.16	Apr. 4	67.09	21	69.08
10	68.70	18	69.30	11	68.49	28	68.61
16	68.84	23	65.94	20	67.58	May 4	68.13
24	65.42	31	67.06	25	68.70	9	67.59
Mar. 5	65.39	Apr. 7	67.58	May 3	67.65	15	67.39
11	66.44	16	68.23	9	67.59	24	66.40
18	66.63	21	68.70	16	67.34	29	66.93
24	66.95	28	69.66	23	67.53	June 7	67.12
30	67.16	May 8	67.96	30	67.66	12	66.73
Apr. 7	67.92	13	64.80	June 9	64.88	19	66.89
14	66.68	23	68.10	13	66.93	26	66.90
21	68.40	29	69.42	20	64.88	July 5	67.83
28	65.80	June 3	67.88	27	68.26	10	67.79
May 5	68.53	10	70.19	July 4	65.35	19	67.69
14	66.16	17	70.26	11	66.18	25	69.02
19	64.74	25	65.74	18	67.09	31	68.04
27	68.30	July 1	65.53	25	69.00	Aug. 7	65.45
June 3	65.20	8	64.39	Aug. 2	67.64	14	65.63
8	66.54	14	65.40	10	65.56	24	66.16
15	66.20	21	64.95	16	67.12	28	64.81
22	66.45	27	64.28	23	65.41	Sept. 4	65.20
30	64.60	Aug. 4	64.52	30	63.68	12	65.66
July 7	64.83	12	64.29	Sept. 7	63.98	20	68.34
14	65.14	18	63.95	15	63.72	27	67.56
21	65.94	27	64.23	27	63.50	Oct. 2	66.09
27	66.19	31	64.91	Oct. 3	66.57	10	65.79
Aug. 4	66.69	Sept. 7	66.79	10	67.01	16	66.76
19	66.28	14	66.76	17	66.08	24	65.34
25	65.20	21	66.69	24	67.98	30	66.90
Sept. 1	64.67	29	66.70	31	67.90	Nov. 6	67.55
10	63.97	Oct. 6	66.84	Nov. 7	68.01	15	66.49
20	64.72	14	68.20	14	66.74	20	66.08
24	64.96	23	67.67	21	65.96	27	65.58
Oct. 5	65.36	30	66.90	28	68.04	Dec. 4	66.72
14	65.64	Nov. 9	67.10	Dec. 5	64.91	11	66.54
20	64.30	18	67.86	12	64.79	19	66.41
28	66.39	23	67.54	19	64.61	27	65.44
Nov. 5	65.95	30	67.20	26	64.82	Jan. 1, 1966	65.56
12	65.88	Dec. 7	66.77	29	64.41	8	65.45
19	66.20	15	64.64	Jan. 2, 1965	67.04	15	65.49
25	67.86	21	65.15	9	66.67	22	65.33
Dec. 1	66.97	28	69.30	16	64.41	29	65.20
10	67.87	Jan. 4, 1964	67.73	23	66.67	Feb. 5	64.30
16	67.80	11	65.42	30	66.53	12	64.21
23	67.27	18	66.99	Feb. 5	63.54	19	63.95
30	66.70	25	66.32	12	67.09	27	67.08
Jan. 6, 1963	66.67	Feb. 1	67.29	19	67.51	Apr. 12	66.53
14	64.49	8	66.95	26	67.60	14	67.04
20	63.37	15	67.02	Mar. 5	66.86	17	66.59
27	63.36	22	65.48	13	66.51	23	66.06
Feb. 3	64.13	29	66.55	21	65.60	30	67.52

465055N1012418.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 8, 1966	67.59	July 9, 1966	67.75	Sept. 9, 1966	66.61	Nov. 4, 1966	66.63
14	67.56	16	67.32	18	66.41	12	66.45
21	67.67	25	66.14	24	65.79	19	66.30
28	67.38	31	66.24	Oct. 1	67.49	26	66.58
June 4	67.26	Aug. 6	65.58	9	67.79	Dec. 3	66.64
10	67.06	13	65.20	15	67.54	10	66.87
18	67.68	21	67.01	23	66.94	17	66.41
25	66.83	27	67.44	27	66.40	24	66.60
July 2	66.56	Sept. 3	66.10				

Nelson County

480137N0980741.1. Local number 153-58-32dbb. Michigan City. Drilled unused artesian well in Pierre Shale of Late Cretaceous age, diam 5 in, depth 120 ft, slotted 110-120. MP top of casing, 1.70 ft above lsd. Highest water level 11.80 below lsd, June 23, 1950; lowest 29.20 below lsd, July 30, 1963. Records available: 1948-66. Water levels affected by pumping of city-supply wells.

May 5, 1961	26.30	Nov. 25, 1961	25.40	Feb. 12, 1965	23.52	June 22, 1965	27.94
11	26.10	Aug. 8, 1962	26.30	Mar. 10	24.21	Nov. 17	24.04
17	26.60	Dec. 4	24.30	Apr. 15	26.70	Apr. 13, 1966	26.19
June 6	27.80	July 30, 1963	29.20	May 25	26.74	Oct. 26	25.45
Sept. 8	28.20	June 30, 1964	27.20				

480205N0982310.1. Local number 153-60-32aba. A. W. Goldammer. Drilled unused artesian well in Pierre Shale of Late Cretaceous age, diam 5 in, depth 103 ft, cased, slotted 96-103. MP hole in south side of pumpbase, 1.70 ft above lsd. Highest water level 27.62 below lsd, Oct. 26, 1966; lowest 37.70 below lsd, May 18, 1956. Records available: 1954-66. Measurement discontinued.

May 25, 1962	36.65	May 5, 1964	33.87	Mar. 10, 1965	(j)	Nov. 17, 1965	29.54
Nov. 28	31.51	Aug. 26	32.44	Apr. 15	(j)	Apr. 13, 1966	29.84
Apr. 26, 1963	32.56	Sept. 22	32.05	May 24	32.02	Oct. 26	27.62
Nov. 20	32.55	Oct. 6	31.69	June 22	32.10		

j Frozen.

480206N0981858.1. Local number 153-60-35aaa. U.S. Geol. Survey. Drilled unused artesian well in glacial drift, diam 1 1/4 in, depth 60 ft, well point, screened 57-60. MP top of casing, 3.50 ft above lsd. Highest water level 10.25 below lsd, June 12, 1951; lowest dry, several times 1961, 1963-64. Records available: 1949-64. Nov. 28, 1962, 31.93; Apr. 23, 1963 (dry); Nov. 20 (dry); May 5, 1964 (dry). Well plugged 33.5 ft below lsd; measurement discontinued.

Pembina County

484533N0975250.1. Local number 161-56-22bbl. E. J. Lande. Dug domestic and stock water-table well in deposits of glacial Lake Agassiz, diam 5 ft, depth 14 ft, lined with concrete. MP edge of small hole in shed floor, 0.50 ft above lsd. Highest water level 3.02 below lsd, May 20, 1950; lowest 11.76 below lsd, Apr. 26, 1941. Records available: 1941-66.

Jan. 2, 1962	11.22	Sept. 22, 1962	8.02	June 8, 1963	7.10	Feb. 22, 1964	9.50
13	11.26	29	8.10	15	7.00	29	9.52
20	11.50	Oct. 6	8.18	22	7.01	Mar. 7	9.57
27	11.50	13	8.22	29	7.16	14	9.57
Feb. 3	11.40	20	8.28	July 6	7.54	21	9.58
10	11.43	27	8.31	13	7.67	28	9.58
17	11.43	Nov. 3	8.33	20	7.79	Apr. 4	9.98
24	11.45	10	8.42	27	7.49	11	10.18
Mar. 3	11.45	17	8.43	Aug. 3	7.15	18	10.69
10	11.46	24	8.50	10	7.44	25	8.29
17	11.49	Dec. 1	8.47	17	7.71	May 2	8.02
24	11.50	8	8.54	24	8.00	9	7.61
31	11.50	15	8.53	31	8.17	16	7.23
Apr. 7	10.43	22	8.59	Sept. 7	8.40	23	7.13
14	10.47	29	8.67	14	9.00	30	7.16
21	9.84	Jan. 5, 1963	8.69	21	8.67	June 6	7.42
28	10.30	12	8.71	28	8.80	13	6.42
May 5	9.81	19	8.77	Oct. 5	8.89	20	5.85
12	9.56	26	8.82	12	8.98	27	5.11
19	9.13	Feb. 2	8.95	19	9.06	July 4	5.50
26	7.83	9	8.99	26	9.09	11	5.80
June 2	6.81	16	9.05	Nov. 2	9.09	18	6.06
9	6.13	23	9.14	9	9.15	25	6.08
16	5.58	Mar. 2	9.22	16	9.18	Aug. 1	6.23
23	5.61	9	9.28	23	9.20	8	6.60
30	6.07	16	9.33	30	9.23	15	6.85
July 7	6.27	23	9.38	Dec. 7	9.24	22	7.06
14	6.43	30	9.41	14	9.30	29	7.38
21	6.65	Apr. 6	9.26	21	9.32	Sept. 5	7.05
28	6.86	13	9.20	28	9.34	12	7.10
Aug. 4	7.06	20	9.10	Jan. 4, 1964	9.35	19	7.36
11	7.06	27	9.00	11	9.35	26	6.94
18	7.17	May 4	8.85	18	9.36	Oct. 3	6.84
25	7.37	11	8.68	25	9.37	10	6.82
Sept. 1	7.55	18	8.49	Feb. 1	9.45	17	6.82
8	7.70	25	8.39	8	9.47	24	6.84
15	7.83	June 1	8.30	15	9.48	31	6.93

484533N0975250.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Nov. 7, 1964	7.18	May 15, 1965	4.44	Nov. 20, 1965	6.62	July 2, 1966	4.52
14	7.20	22	4.58	27	6.67	9	4.63
21	7.20	29	4.19	Dec. 4	6.70	16	4.75
28	7.21	June 5	3.82	11	6.74	23	5.25
Dec. 5	7.28	12	4.15	18	6.81	30	5.45
12	7.33	19	4.74	25	6.85	Aug. 5	4.66
19	7.38	26	5.03	Jan. 8, 1966	6.90	12	4.66
26	7.42	July 3	5.11	15	7.04	19	5.03
Jan. 2, 1965	7.50	10	5.40	22	7.11	Sept. 3	6.62
9	7.59	17	5.68	29	7.16	10	6.89
16	7.53	24	5.99	Feb. 5	7.23	17	7.14
23	7.70	31	5.90	12	7.30	24	7.40
30	7.64	Aug. 7	6.15	19	7.39	Oct. 1	7.58
Feb. 6	7.67	14	6.53	26	7.42	8	7.71
13	7.74	21	6.87	Mar. 5	4.50	15	7.84
20	7.77	28	7.11	12	4.46	22	7.87
27	7.89	Sept. 4	7.29	19	4.94	29	7.92
Mar. 6	7.97	11	7.34	25	5.47	Nov. 5	7.89
13	7.95	18	7.16	May 7	3.58	12	7.93
20	8.01	25	6.93	14	3.63	19	7.99
27	8.04	Oct. 2	6.80	21	3.85	26	8.03
Apr. 3	8.09	9	6.61	28	4.05	Dec. 3	7.89
10	7.84	16	6.57	June 4	4.32	10	7.99
17	6.74	23	6.55	11	4.48	17	8.13
24	5.92	30	6.50	18	4.72	24	8.16
May 1	5.45	Nov. 6	6.57	25	4.93	31	8.18
8	4.70	13	6.61				

Ramsey County

480621N0985358.1. Local number 153-64-5aa1. Marlen Bergan. Formerly Ray Young. Dug domestic and stock water-table well in glacial drift, diam 4 ft, depth 45 ft, cased to 35. MP top of casing, 1.50 ft above lsd. Highest water level 20.60 below lsd, May 24, 1950; lowest 32.31 below lsd, June 22, 1944. Records available: 1942-50, 1952-56, 1958-64. Measurement discontinued. May 25, 1962, 27.68; Nov. 28, 26.16; Apr. 26, 1963, 26.93; Nov. 20, 27.26; May 6, 1964, 27.52; Oct. 6, 27.73.

Renville County

484541N1014301.1. Local number 161-85-20aa1. Minnesota Trust Co. Drilled unused artesian well in Fort Union Formation of Paleocene age, diam 4 in, depth 400 ft, slotted 390-400. Lsd 1,759.2 ft above msl. MP top of pump, 4.28 ft above lsd. Highest water level 72.96 below lsd, Dec. 4, 1937; lowest 83.47 below lsd, Nov. 9, 30, 1940. Records available: 1937-66. Measurement discontinued.

May 25, 1962	82.85	Nov. 21, 1963	82.72	May 25, 1965	81.51	May 5, 1966	82.29
Nov. 27	82.82	May 6, 1964	82.07	Nov. 18	83.25	Oct. 5	82.47
Apr. 25, 1963	82.72	Oct. 6	82.53				

Richland County

461702N0971234.1. Local number 133-52-34odd (erroneously reported 33odd). Max A. Jensen. Driven observation water-table well in deposits of glacial Lake Agassiz, diam 1½ in, depth 20 ft, well point 15-20. MP top of casing, 2.00 ft above lsd (since April 1954). Highest water level 0.75 below lsd, June 27, 1943; lowest 10.09 below lsd, Jan. 10-Mar. 24, 1959. Records available: 1937-66. New observation well installed Oct. 2, 1963.

Jan. 6, 1962	7.34	July 21, 1962	1.68	Jan. 26, 1963	7.96	Aug. 3, 1963	7.29
13	7.62	28	2.15	Feb. 2	8.18	10	7.74
20	7.83	Aug. 4	2.91	9	8.21	17	7.98
27	7.88	11	3.29	16	8.29	24	7.92
Feb. 3	8.03	18	3.48	23	7.84	31	8.09
10	8.11	25	4.18	Mar. 2	8.35	Sept. 7	8.11
17	8.09	Sept. 1	4.81	9	8.39	14	8.29
24	8.10	7	4.99	16	8.25	21	8.40
Mar. 3	8.23	14	5.12	23	8.09	28	8.43
10	8.32	21	4.01	30	7.76	Oct. 5	5.96
17	8.28	28	4.61	Apr. 6	7.35	12	5.99
24	8.24	Oct. 6	5.31	13	7.74	19	5.97
31	6.53	13	5.33	20	5.54	27	6.00
Apr. 7	4.48	20	5.67	27	4.76	Nov. 2	6.99
14	4.01	27	5.79	May 4	4.69	7	7.01
21	3.50	Nov. 3	5.71	11	4.76	16	7.02
28	3.16	10	5.19	18	4.34	23	7.02
May 5	3.54	17	5.32	25	4.96	30	6.97
12	3.59	24	5.47	June 1	2.77	Dec. 7	6.95
19	2.19	Dec. 1	6.93	10	2.28	14	6.98
26	2.03	8	5.74	17	3.00	21	7.00
June 2	2.47	15	6.47	22	3.87	28	7.08
8	2.33	22	6.45	29	4.08	Jan. 4, 1964	7.11
14	2.83	29	6.97	July 6	5.36	11	7.15
27	3.93	Jan. 5, 1963	7.22	13	6.05	18	7.17
July 7	1.44	12	7.22	20	5.85	25	7.23
14	2.07	19	7.69	27	6.88	Feb. 1	7.30

461703N0971234.1—Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 8, 1964	7.25	Oct. 31, 1964	5.91	July 24, 1965	3.28	Apr. 16, 1966	1.16
15	7.31	Nov. 7	5.87	31	4.47	23	1.07
21	7.32	14	5.95	Aug. 7	3.43	30	.89
29	7.38	21	5.98	14	4.95	7	1.37
Mar. 7	7.30	28	6.08	21	5.37	14	1.31
14	7.23	Dec. 5	6.21	28	4.57	21	1.88
21	7.07	12	6.28	Sept. 4	5.12	27	1.78
28	7.51	19	6.44	11	4.93	June 6	1.73
Apr. 4	6.67	26	6.50	18	3.85	11	2.38
11	6.35	Jan. 2, 1965	6.58	25	3.89	18	1.91
17	5.14	9	6.62	Oct. 2	3.29	25	.92
24	3.04	16	6.71	9	3.59	July 2	1.26
May 1	3.12	23	6.76	16	3.89	9	2.19
16	3.30	30	6.82	23	3.74	16	2.97
19	2.94	Feb. 6	6.88	30	4.03	23	3.81
23	4.13	13	6.93	Nov. 6	4.22	30	3.85
29	4.77	20	6.96	13	3.94	Aug. 6	1.47
June 6	5.35	27	6.98	20	4.09	13	.89
13	4.82	Mar. 6	6.97	27	4.18	20	.89
20	3.54	13	6.98	Dec. 4	4.02	27	.90
27	3.98	20	6.71	11	3.74	Sept. 3	1.40
July 3	4.86	27	6.93	18	3.33	10	1.99
11	3.72	Apr. 3	6.73	24	3.59	17	2.69
18	5.06	10	4.80	31	3.94	24	3.27
25	5.82	17	2.80	Jan. 8, 1966	4.36	Oct. 1	3.17
Aug. 1	5.54	24	2.06	15	4.85	8	3.55
8	6.14	May 1	2.24	22	5.22	15	2.54
15	6.39	8	2.51	29	5.53	22	2.56
22	5.35	15	2.31	Feb. 5	5.79	29	3.01
29	5.32	22	2.91	12	5.67	Nov. 5	3.12
Sept. 5	5.70	29	1.51	19	6.22	12	3.19
12	5.75	June 5	1.07	26	6.97	21	3.28
18	5.87	12	1.75	Mar. 5	6.83	26	3.35
26	5.35	19	2.65	12	4.91	Dec. 3	4.03
Oct. 3	5.47	26	3.40	19	2.73	10	4.64
10	5.67	July 3	2.85	26	1.96	17	4.39
17	5.80	10	3.63	Apr. 2	1.40	24	4.90
26	5.88	17	3.65	9	1.48		

## Towner County

489930N0991045.1. Local number 160-66-28bal. Alvin D. Krueger. Drilled unused water-table well in glacial drift, diam 4 in, depth 135 ft, slotted 125-135. MP top of casing, 2.66 ft above lsd. Highest water level 13.27 below lsd, Apr. 23-May 21, 1966; lowest 17.15 below lsd, Dec. 26, 1942. Records available: 1937-66.

Jan. 6, 1962	13.90	Sept. 15, 1962	13.91	May 25, 1963	13.85	May 30, 1964	13.81
13	13.89	22	13.93	June 1	13.85	June 6	13.80
20	13.88	29	13.94	8	13.84	13	13.78
27	13.87	Oct. 6	13.94	15	13.84	20	13.77
Feb. 3	13.86	13	13.95	22	13.85	27	13.75
10	13.86	20	13.96	29	13.86	July 4	13.74
17	13.85	27	13.97	July 6	13.87	11	13.73
24	13.84	Nov. 3	13.98	13	13.88	18	13.72
Mar. 3	13.83	10	14.00	20	13.89	25	13.71
10	13.82	17	14.02	27	13.89	Aug. 1	13.70
17	13.81	24	14.04	Aug. 3	13.89	8	13.68
24	13.80	Dec. 1	14.04	10	13.90	15	13.67
31	13.79	8	14.05	17	13.90	22	13.65
Apr. 7	13.78	15	14.05	24	13.91	29	13.64
14	13.77	22	14.06	31	13.92	Sept. 5	13.63
21	13.77	28	14.06	Jan. 4, 1964	14.01	12	13.63
28	13.78	Jan. 5, 1963	14.05	11	14.01	19	13.62
May 5	13.77	12	14.04	18	14.02	26	13.61
12	13.76	19	14.03	25	14.03	Oct. 3	13.60
19	13.75	26	14.02	Feb. 1	14.03	10	13.60
26	13.74	Feb. 2	14.02	8	14.04	17	13.59
June 2	13.74	9	14.02	15	14.04	24	13.59
9	13.74	16	14.01	28	14.05	31	13.58
16	13.73	23	14.01	29	14.03	Nov. 7	13.57
23	13.74	Mar. 2	14.00	Mar. 7	14.03	14	13.56
30	13.76	9	13.99	14	14.02	21	13.55
July 7	13.78	16	13.98	21	14.01	28	13.54
14	13.80	23	13.97	28	14.00	Dec. 5	13.53
21	13.82	30	13.96	Apr. 4	13.98	12	13.62
28	13.83	Apr. 6	13.95	11	13.96	19	13.51
Aug. 4	13.84	13	13.94	18	13.94	26	13.50
11	13.85	20	13.93	25	13.90	Jan. 2, 1965	13.49
18	13.86	27	13.92	May 2	13.88	9	13.49
25	13.87	May 4	13.90	9	13.86	16	13.48
Sept. 1	13.88	11	13.88	16	13.84	23	13.47
8	13.89	18	13.86	23	13.82	30	13.47



483930N0991045.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 6, 1965	13.46	July 31, 1965	13.32	Jan. 23, 1966	13.30	July 16, 1966	13.30
13	13.45	Aug. 7	13.32	29	13.30	23	13.30
20	13.44	14	13.33	Feb. 5	13.30	30	13.30
27	13.43	21	13.33	12	13.30	Aug. 6	13.30
Mar. 6	13.43	28	13.34	19	13.29	13	13.30
13	13.42	Sept. 4	13.33	26	13.29	20	13.31
20	13.41	11	13.33	Mar. 5	13.29	27	13.31
27	13.40	18	13.33	12	13.29	Sept. 3	13.31
Apr. 3	13.39	25	13.33	19	13.28	10	13.32
10	13.38	Oct. 2	13.33	26	13.28	17	13.32
17	13.37	9	13.34	Apr. 2	13.28	24	13.32
24	13.36	16	13.34	9	13.28	Oct. 1	13.32
May 1	13.35	23	13.34	16	13.28	8	13.33
8	13.35	30	13.34	23	13.27	15	13.33
15	13.34	Nov. 6	13.33	30	13.27	22	13.33
22	13.34	13	13.33	May 7	13.27	29	13.34
29	13.33	20	13.33	14	13.27	Nov. 5	13.33
June 5	13.33	27	13.33	21	13.27	12	13.32
12	13.32	Dec. 4	13.32	28	13.28	19	13.32
19	13.31	11	13.32	June 4	13.28	26	13.32
26	13.31	18	13.31	11	13.28	Dec. 3	13.32
July 3	13.31	25	13.31	18	13.29	10	13.32
10	13.31	Jan. 1, 1966	13.31	25	13.29	17	13.32
17	13.32	8	13.31	July 2	13.29	24	13.31
24	13.32	15	13.30	9	13.29	31	13.31

Trail County

473814N0972740.1. Local number 148-53-18ac1. City of Hatton. Dug domestic water-table well in glacial drift, diam 6 ft, depth 42 ft (previously reported 30 ft), open end. MP flange on manhole, 0.10 ft above lsd. Highest water level 5.73 below lsd, May 19, 1965; lowest 30.84 below lsd, July 27, 1940. Records available: 1937-43, 1955-61, 1964-65. No measurement made in 1962 or 1963. Measurement discontinued.

July 2, 1964	5.85	Nov. 25, 1964	6.82	Apr. 15, 1965	6.99	June 22, 1965	6.06
Sept. 9	6.52	Mar. 10, 1965	8.49	May 19	5.73	Nov. 17	5.86

473814N0972721.1. Local number 148-53-18ad3. City of Hatton. Dug domestic water-table well in glacial drift, diam 5 ft, depth 45 ft, curbed with brick. MP top of flange on manhole opposite pump, 0.10 ft above lsd. Highest water level 3.24 below lsd, June 25, 1950; lowest 34.40 below lsd, Sept. 2, 1939. Records available: 1937-60, 1964-66. No measurement made in 1962 or 1963. Measurement discontinued.

July 2, 1964	11.06	Nov. 25, 1964	11.33	May 19, 1965	10.96	May 26, 1966	10.32
Sept. 9	12.20	Apr. 15, 1965	11.82	June 22	10.83	Sept. 28	11.39

Walsh County

482445N0971313.1. Local number 157-51-16dc2. Henry Dipple. Dug unused water-table well in deposits of glacial Lake Agassiz, diam 4 ft, depth 16 ft, lined with wood. MP top of wood curb, 2.00 ft above lsd. Highest water level 0.12 below lsd, Apr. 12, 1941; lowest 12.09 below lsd, Mar. 11, 1939. Records available: 1937-64. Measurement discontinued. May 28, 1962, 1.05; Nov. 30, 4.84; Apr. 23, 1963, 5.83; Nov. 20, 8.55; May 4, 1964, 0.65; Aug. 26, 5.28; Oct. 6, 4.89.

482447N0974617.1. Local number 157-55-17cc2 (erroneously reported 17cd1). C. D. Lewis. Driven unused water-table well in deposits of glacial Lake Agassiz, diam 1½ in, depth 15 ft, screened 10-15. MP top of pipe, 3.00 ft above lsd. Highest water level 1.38 below lsd, June 12, 1943; lowest 10.47 below lsd, Nov. 11, 1939. Records available: 1937-38, 1946-65. Measurement discontinued.

May 28, 1962	3.50	Nov. 20, 1963	7.24	Aug. 26, 1964	5.66	May 24, 1965	3.10
Nov. 30	3.97	May 5, 1964	5.42	Oct. 6	5.49	Nov. 10	4.22
Apr. 23, 1963	6.38						

Wells County

474736N0993827.1. Local number 150-70-20dad2 (erroneously reported 20 dad). Great Northern Ry. Dug unused water-table well in glacial drift, size 5 × 5 ft, depth 12 ft, lined with wood. Led 1,545 ft above msl. MP top of board cover, 2.90 ft above lsd. Highest water level 2.10 above lsd, Mar. 14, 1966; lowest 6.69 below lsd, Mar. 12, 1962. Records available: 1951-66.

Jan. 2, 1962	-6.35	Apr. 23, 1962	-5.85	Aug. 13, 1962	-3.86	Dec. 3, 1962	-4.61
8	6.48	30	5.87	20	4.18	10	4.85
15	6.53	May 7	5.70	27	4.30	17	5.00
22	6.58	14	5.60	Sept. 3	4.63	24	4.70
29	6.60	21	4.90	10	4.60	31	5.18
Feb. 5	6.61	28	4.37	17	4.79	Jan. 7, 1963	5.23
13	6.59	June 4	4.33	24	4.89	14	5.34
20	6.63	11	4.22	Oct. 1	5.10	21	5.44
27	6.65	18	3.21	8	4.89	28	5.59
Mar. 5	6.67	25	3.20	15	4.82	Feb. 2	5.60
12	6.69	July 2	3.24	22	4.81	11	5.72
19	6.67	9	3.10	30	4.83	18	5.74
26	6.13	16	2.97	Nov. 5	4.87	25	5.79
Apr. 2	6.04	23	2.79	12	4.69	Mar. 4	5.82
9	5.96	30	2.37	20	4.57	11	5.76
16	5.68	Aug. 6	3.74	26	4.72	18	5.73

474736N0993827.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 25, 1963	-5.70	Feb. 24, 1964	-6.50	Jan. 25, 1965	-5.22	Jan. 31, 1966	-0.40
Apr. 1	5.80	Mar. 2	6.50	Feb. 1	5.32	Feb. 7	.60
8	5.48	9	6.55	8	5.35	14	.60
15	5.46	16	6.47	15	5.40	21	.70
22	5.35	23	6.55	22	5.45	28	.80
29	5.22	30	6.53	Mar. 1	5.42	Mar. 7	+1.40
May 6	5.10	Apr. 6	6.07	8	5.34	14	2.10
13	4.70	13	5.90	15	5.25	21	2.00
20	4.29	20	5.85	22	5.20	28	1.05
27	4.21	27	5.80	30	5.27	Apr. 4	1.10
June 3	4.29	May 4	5.37	Apr. 5	5.43	11	.84
10	4.11	11	5.35	12	4.16	18	.74
17	4.47	18	4.98	19	2.90	25	.68
24	4.14	25	5.10	26	3.73	May 2	.87
July 1	4.45	June 1	5.30	May 3	3.00	9	.65
8	4.77	8	5.20	10	2.55	16	.68
15	5.01	15	4.39	17	2.60	23	.42
22	5.24	22	2.20	24	2.50	30	.18
29	5.22	29	2.32	31	2.43	June 6	.37
Aug. 5	5.38	July 6	2.68	June 7	2.70	13	.34
12	5.52	13	3.30	14	2.95	20	.40
19	5.69	20	3.76	21	3.32	29	-.05
26	5.80	27	3.92	28	3.20	July 5	+.15
Sept. 2	5.87	Aug. 3	4.19	July 6	3.44	11	-.44
9	5.94	10	4.43	12	2.10	18	.32
16	5.96	17	4.70	19	2.53	25	.34
23	6.00	24	4.45	Aug. 30	+7.70	Aug. 1	.52
30	6.05	31	4.36	Sept. 6	.72	8	.62
Oct. 7	6.10	Sept. 7	4.54	13	.73	15	.93
14	6.12	14	4.70	20	.75	23	.74
21	6.11	21	4.78	27	.64	29	1.02
28	6.12	28	4.21	Oct. 4	.53	Sept. 5	1.30
Nov. 4	6.11	Oct. 5	4.16	11	.36	12	1.60
11	6.15	12	4.22	18	.30	19	2.15
18	6.15	19	4.33	25	.26	26	2.32
25	6.19	26	4.33	Nov. 1	.18	Oct. 3	2.13
Dec. 2	6.22	Nov. 2	4.27	8	.08	10	2.48
9	6.20	9	4.35	15	.07	17	2.39
16	6.28	10	4.40	22	0	24	2.30
23	6.29	23	4.60	29	-.34	31	2.34
30	6.32	30	4.67	Dec. 6	.32	Nov. 7	2.45
Jan. 6, 1964	6.31	Dec. 7	4.82	13	.38	14	2.65
13	6.32	14	4.90	21	.56	21	2.75
20	6.33	21	5.02	28	.87	28	2.85
27	6.34	28	5.05	Jan. 3, 1966	1.37	Dec. 5	3.30
Feb. 3	6.48	Jan. 4, 1965	5.06	10	1.68	12	3.50
10	6.50	11	5.13	17	.60	19	3.46
17	6.51	18	5.20	24	.45	26	3.70

## References

- Armstrong, C. A., 1965, Geology and ground water resources of Divide County, North Dakota; Part II, Ground-water basic data: North Dakota Geol. Survey Bull. 45 and North Dakota State Water Comm. County Ground Water Studies 6, 112 p.
- Baker, C. H., 1966, Geology and ground water resources of Richland County, North Dakota; Part II, Ground-water basic data: North Dakota Geol. Survey Bull. 46 and North Dakota State Water Comm. County Ground Water Studies 7, 170 p.
- Huxel, C. J., Jr., 1963, Geology and ground-water resources of Sittman County, North Dakota; Part II, Ground-water basic data: North Dakota Geol. Survey Bull. 41 and North Dakota State Water Comm. County Ground Water Studies 2, 339 p.
- Kelly, T. E., 1964, Geology and ground-water resources of Barnes County, North Dakota; Part II, Ground-water basic data: North Dakota Geol. Survey Bull. 43 and North Dakota State Water Comm. County Ground Water Studies 4, 156 p.
- Klausing, R. L., 1966, Geology and ground water resources of Cass County, North Dakota; Part II, Ground-water basic data: North Dakota Geol. Survey Bull. 47 and North Dakota State Water Comm. County Ground Water Studies 8, 158 p.
- Paulson, Q. F., and Akin, P. D., 1964, Ground-water resources of the Devils Lake area, Benson, Ramsey, and Eddy Counties, North Dakota: North Dakota Ground Water Studies No. 56, 210 p.
- Pettyjohn, Wayne A., and Hills, D. L., 1965, Geohydrology of the Souris River Valley in the vicinity of Minot, North Dakota: Ground-water basic data: North Dakota Ground Water Studies No. 65, 89 p.
- Randich, P. G., Petri, L. R., Adolphson, D. G., 1962, Geology and ground-water resources of Kidder County, North Dakota; Part II, Ground-water basic data: North Dakota Geol. Survey Bull. 36 and North Dakota State Water Comm. County Ground Water Studies 1, 134 p.
- Randich, P. G., 1964, Geology and ground-water resources of Burleigh County, North Dakota; Part II, Ground-water basic data: North Dakota Geol. Survey Bull. 42 and North Dakota State Water Comm. County Ground Water Studies 3, 273 p.

# SOUTH DAKOTA

The observation-well program in South Dakota, begun in 1935, was continued in 1962 through 1966. Measurements of water levels have been continued since 1946 as a part of the Missouri River Basin program. The South Dakota Water Resources Commission has cooperated since 1955. Water-level measurements not included herein are on file in the Basic Data Section, Huron District Office, Water Resources Division, U.S. Geological Survey, Huron, South Dakota. Figure 9 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered in accordance with the Bureau of Land Management's system of land subdivision. Each well number is made up of three segments. The first segment indicates the township, the second the range, and the third the section in which the well is situated. The letters after the section number, which are assigned in a counterclockwise direction, represent subdivisions of the section. The first letter denotes the 160-acre tract, the second the 40-acre tract, and the third the 10-acre tract. If the well can be located within a 2½-acre tract, 4 letters are shown in the well number. The letter "A" or "D" before the township number designates a well in the northeast or southeast quadrant of the Black Hills meridian and base-line system. (If the well is in the fifth or sixth principal meridian and base-line system, no letter is included.) Numbers are added as suffixes to distinguish wells in the same tract. Thus, the number 113-65-12cdbl1 designates well 1 in the NW¼NW¼SE¼SW¼ sec. 12, T. 113 N., R. 65 W.

## Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated.

### Beadle County

442112N0981740.1. Local number 110-62-9bcccl. City of Huron. Drilled unused artesian well in glacial drift, diam 12 in, depth 74 ft, perforated 38-74. Lsd 1,307 ft above msl. MP top of platform, 2.00 ft above lsd. Highest water level 10.81 below lsd, Feb. 4, 1954; lowest 41.17 below lsd, Apr. 1, 1960. Records available: 1954-66.

#### Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.05	17.47	16.95	16.69	16.44	15.45	14.31	.....	.....	.....	13.92	13.09
10	17.99	17.35	16.86	16.65	16.35	15.15	14.19	.....	.....	15.00	13.77	13.02
15	17.80	17.27	16.79	16.65	16.26	15.06	13.95	.....	.....	14.74	13.58	12.88
20	17.72	17.09	16.74	16.58	15.62	14.85	13.85	.....	.....	14.54	13.48	12.85
25	17.57	17.00	16.69	16.54	.....	14.75	13.76	.....	.....	14.35	13.32	12.77
Eom	17.50	17.02	16.66	h16.44	.....	14.68	13.66	.....	.....	14.08	13.20	12.67
1963												
5	12.62	.....	.....	.....	.....	.....	11.73	13.43	.....	.....	15.40	14.36
10	12.51	.....	.....	.....	.....	.....	11.74	14.63	.....	.....	.....	14.23
15	12.42	.....	.....	.....	.....	.....	.....	15.56	.....	.....	.....	14.16
20	12.40	12.27	12.11	.....	.....	.....	11.94	.....	.....	.....	.....	14.06
25	12.39	.....	12.12	.....	.....	.....	12.10	16.78	.....	.....	.....	13.85
Eom	12.30	.....	12.11	.....	.....	.....	12.72	.....	h17.07	h15.95	.....	13.85
1964												
5	13.81	13.44	13.31	13.32	13.11	13.74	d17.45	d24.28	d28.58	27.53	.....	.....
10	13.75	13.44	13.27	13.36	13.20	h13.94	d17.67	d24.97	d28.97	.....	.....	.....
15	13.70	13.40	13.27	13.36	13.25	d14.60	d18.33	.....	28.89	.....	.....	.....
20	13.57	13.42	13.25	13.41	13.22	d15.77	d19.70	d27.19	.....	.....	.....	.....
25	13.26	13.39	13.26	13.29	13.28	d16.87	d21.00	d27.83	.....	.....	.....	.....
Eom	13.57	13.34	13.30	13.21	13.52	d17.21	d23.00	d28.17	27.88	.....	.....	.....
1965												
5	18.99	18.15	.....	16.75	16.83	16.25	16.29	d18.76	c22.70	20.79	h18.80	.....
10	18.81	18.07	.....	16.66	16.90	16.26	16.27	c19.70	c22.83	.....	.....	17.50
15	18.61	17.95	17.15	.....	16.80	d16.50	16.27	c20.71	c22.92	.....	.....	.....
20	18.39	17.84	17.13	h16.95	16.76	16.25	16.28	c21.63	22.64	.....	.....	.....
25	18.22	17.74	17.07	16.92	h16.27	h16.28	d16.70	c22.22	21.92	.....	.....	.....
Eom	.....	.....	16.94	16.90	16.27	16.28	d17.37	c22.67	21.22	.....	.....	.....

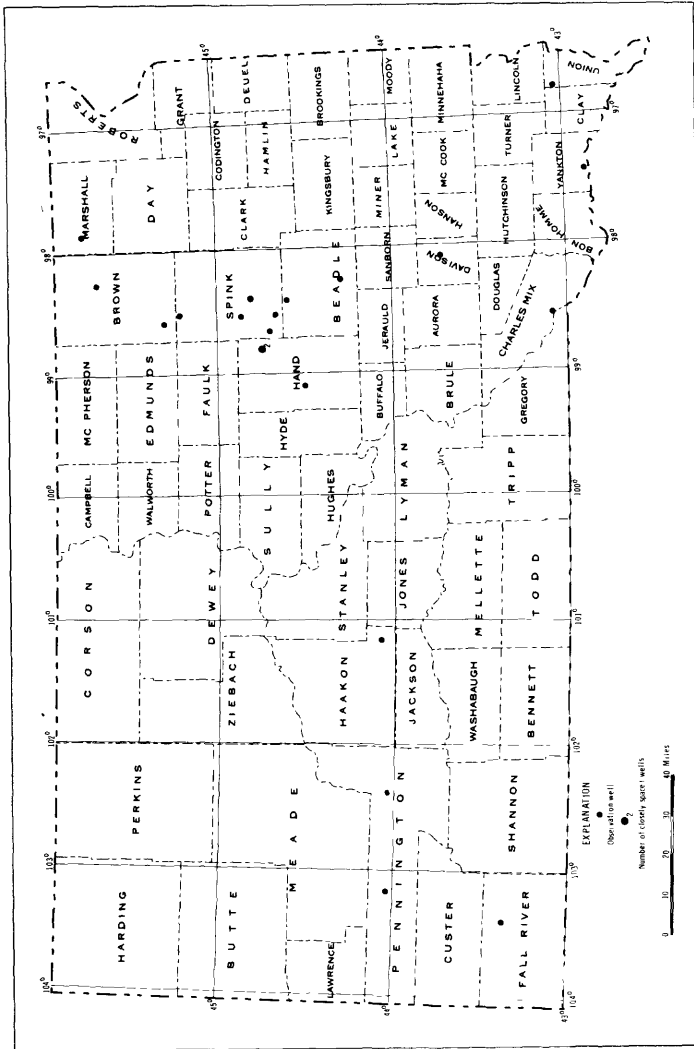


Figure 9.—Location of observation wells in South Dakota, 1962-66.

442112N0981740.1--Continued.

	1966											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	25.58	25.05	.....	.....	.....	.....
10	h17.10	.....	.....	.....	.....	.....	27.72	25.07	.....	.....	.....	.....
15	.....	16.63	16.41	e16.38	.....	b21.08	26.75	.....	.....	.....	.....	.....
20	.....	.....	.....	.....	16.30	23.63	b26.19	.....	b20.56	h18.69	.....	.....
25	.....	.....	.....	.....	16.42	25.65	26.98	.....	.....	.....	.....	.....
Eom	.....	.....	.....	.....	17.61	25.60	26.10	.....	.....	.....	.....	.....

c Nearby well being pumped.

d Nearby well pumped recently.

**e Estimated.**

h Tape measurement.

443758N0982257.1. Local number 113-63-2bbbbb1. U. S. Bureau of Reclamation. Drilled observation water-table well in glacial drift, diam 4 in, depth 155 ft, cased to 71, perforated 19-70. Lsd 1,307.8 ft above msl. MP top of platform, 2.50 ft above lsd. Highest water level 25.80 below lsd, Nov. 19, 1962; lowest 28.06 below lsd, Mar. 29, 1960. Records available: 1953-66.

Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	27.73	27.74	.....	27.73	27.51	26.92	26.06	25.95	25.96	.....	25.84	25.68
10	27.73	27.69	.....	27.76	27.49	26.73	26.03	25.95	25.94	25.91	25.83	25.90
15	27.68	27.73	.....	27.73	.....	26.51	26.01	25.98	25.94	25.92	25.88	25.66
20	27.69	27.73	.....	27.76	.....	26.34	25.98	25.97	25.92	25.90	25.87	25.93
25	27.67	27.74	.....	27.62	.....	26.22	26.01	25.97	25.93	25.90	25.88	25.92
Eom	27.70	27.72	27.73	h27.59	.....	26.11	25.97	25.95	.....	25.90	25.86	25.87

1963												
5	25.85	25.88	25.87	25.91	25.93	25.88	25.85	25.85	25.84	25.83	25.81	25.88
10	25.90	25.90	25.86	25.92	25.95	25.93	25.85	25.86	25.84	25.85	25.86	.....
15	.....	25.92	25.85	25.80	25.92	25.95	25.85	25.82	25.85	25.84	25.82	.....
20	25.87	25.93	h25.97	25.94	25.97	25.93	25.87	25.84	25.86	25.84	25.83	.....
25	25.88	25.93	25.88	25.93	25.93	.....	25.84	.....	25.86	25.84	25.89	.....
Eom	25.87	25.90	25.91	25.97	25.91	.....	25.86	25.87	25.83	25.87	25.88	.....

	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974
5	25.87	25.82	.....	25.91	25.96	.....	26.08	26.10	26.19	.....	.....	.....
10	.....	25.90	25.89	25.94	26.03	26.07	26.08	26.16	26.14	.....	.....	.....
15	.....	25.87	25.89	25.95	26.05	.....	26.06	.....	26.12	26.12	.....	.....
20	.....	25.81	25.94	25.94	26.05	.....	26.07	26.07	.....	26.13	.....	.....
25	.....	25.88	25.95	25.94	26.04	.....	26.10	26.12	.....	26.14	.....	.....
Eom	.....	25.85	25.92	.....	26.07	.....	26.05	26.11	26.09	.....	.....	.....

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
10	.....	26.21	.....	.....	.....	26.25	26.38	26.41	26.39	26.49	26.40	h26.50	.....	26.55	.....	.....
15	.....	.....	.....	.....	.....	26.40	26.41	26.42	26.41	26.46	26.49	.....	.....	26.54	.....	.....
20	.....	26.29	26.36	.....	.....	26.38	26.41	26.39	26.42	26.48	26.43	.....	.....	26.54	.....	.....
25	26.23	26.30	26.36	h26.33	.....	.....	26.39	26.41	26.44	.....	26.52	26.48	.....	26.53	.....	.....
25	26.21	26.26	26.37	26.36	h26.35	h26.48	26.42	26.41	26.49	26.51	26.50	26.55	.....	.....	.....	.....
25	26.20	.....	26.33	26.33	26.34	26.44	26.42	26.45	26.48	26.52	26.51	26.55	.....	.....	.....	.....

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
						1968							
5	26.58	26.56	e26.63	26.64	26.65	26.70	26.72	26.75	26.76	26.77	.....	.....	.....
10	26.60	26.59	e26.62	26.64	26.71	26.70	26.70	26.76	26.76	26.75	26.75	.....	.....
15	.....	.....	26.59	h26.67	.....	h26.71	26.74	26.76	26.76	e26.77	26.75	.....	.....
20	.....	.....	26.62	26.68	26.69	26.70	h26.74	26.76	h26.25	h26.71	26.75	.....	.....
25	.....	e26.59	26.64	26.63	26.70	26.74	26.75	26.75	26.76	26.77	.....	.....	26.72
From			26.62	26.71	26.73	26.70	26.76	26.75	26.76	26.73	.....	.....	26.74

e Estimated.

h. Tape measurement.

### Brown County

451946N0982922.1. Local number 122-64-36cedd1. U. S. Bureau of Reclamation. Drilled observation water-table well in lake sediments of Pleistocene age, diam 4 in, depth 48 ft, perforated 6-48. Lsd 1,298.7 ft above msl. MP top of casing, 2.0 ft above lsd (since June 29, 1965). Highest water level 13.8 below lsd, July 3, 1953; lowest 23.80 below lsd, July 5, 1966. Records available 1953-66. Recording cage removed 1964.

Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	22.42	22.60	.....	.....	.....	.....	.....	19.10	19.31	19.90	20.36	20.43
10	22.47	.....	.....	.....	.....	.....	.....	19.06	19.39	20.01	20.27	20.51
15	22.46	.....	.....	.....	.....	.....	.....	19.07	19.50	19.99	20.33	20.46
20	22.60	.....	.....	.....	.....	.....	.....	19.03	19.65	20.00	20.42	20.46
25	.....	.....	21.19	.....	.....	.....	.....	19.09	19.69	20.03	20.48	20.67
Form	.....	.....	21.16	.....	.....	.....	.....	19.24	19.77	20.25	20.42	20.65

[illegible]

451946N0982922.1--Continued.

1964											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
5	.....	.....	22.00	.....	.....	21.33	.....	21.65	21.85	.....	h22.46
10	.....	.....	22.01	.....	21.86	21.24	.....	21.67	.....	.....	.....
15	.....	21.93	22.03	.....	21.27	21.27	.....	21.74	.....	.....	.....
20	.....	21.98	.....	.....	21.67	21.27	21.40	21.78	.....	.....	.....
25	.....	21.95	.....	.....	21.64	21.27	21.50	21.82	.....	.....	.....
Eom	.....	21.97	.....	.....	21.40	21.27	21.54	21.84	.....	.....	.....

h Tape measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1965	22.65	Apr. 26, 1965	22.87	Oct. 5, 1965	23.55	May 19, 1966	23.59
Feb. 18	22.70	June 29	23.54	Jan. 10, 1966	23.49	July 5	23.80
Mar. 3	22.84						

454126N0981645.1. Local number 126-62-34abbl (previously reported 126-62-34abl). U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diam  $\frac{3}{4}$  in, depth 16 ft, screened 15-16. Lsd 1,290.5 ft above msl. MP top of casing, 5.40 ft above lsd. Highest water level 2.51 below lsd, June 2, 1951; lowest 10.93 below lsd, Sept. 30, 1959. Records available: 1950-66.

May 8, 1962	7.56	Nov. 7, 1963	8.65	Jan. 26, 1965	9.21	Jan. 1, 1966	10.30
Aug. 6	7.10	Feb. 10, 1964	9.07	Apr. 26	7.55	Apr. 5	7.20
Nov. 7	8.46	July 30	7.40	June 29	7.58	July 5	7.65
May 6, 1963	7.56	Nov. 3	9.00	Oct. 5	9.15	Oct. 10	9.34
Aug. 6	7.86						

Charles Mix County

430710N0983120.1. Local number 95-65-9aacd1. U. S. Army Corps of Engineers. Drilled unused artesian well in Codell Sandstone Member of Carlile Shale of Late Cretaceous age, diam 12 to 8 in, depth 380 ft, cased to 350. Lsd 1,474.9 ft above msl. MP top of platform, 3.00 ft above lsd. Highest water level 209.17 below lsd, Aug. 26, 1962; lowest 236.66 below lsd, Apr. 19, 1953. Records available: 1952-62. Well destroyed; measurement discontinued.

Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
5	211.92	211.28	.....	211.95	210.99	210.62	209.50	209.56	.....	.....	.....
10	.....	211.05	.....	211.98	210.68	210.67	209.55	209.67	.....	.....	.....
15	.....	211.40	.....	212.05	210.55	210.68	209.53	209.69	.....	.....	.....
20	.....	.....	.....	211.60	210.45	210.60	209.45	209.47	.....	.....	.....
25	.....	.....	.....	211.40	210.58	210.05	209.66	209.41	.....	.....	.....
Eom	211.07	.....	.....	h210.76	209.76	209.56	209.30	.....	.....	.....	.....

h Tape measurement.

Davison County

434320N0980554.1. Local number 103-61-13ca1. H. J. Carstens. Dug domestic water-table well in glacial drift, diam 30 in, depth 24 ft, cribbed with rock to 24. MP top of cover, at lsd. Highest water level 6.42 below lsd, Feb. 27, 1952; lowest 15.06 below lsd, Oct. 20, 1959. Records available: 1950-64. Well destroyed, filled in; measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1962	14.27	Oct. 8, 1962	8.49	Apr. 16, 1963	8.40	Oct. 1, 1963	11.10
29	14.41	Nov. 23	8.78	May 6	8.61	21	11.07
Feb. 26	14.59	Dec. 10	8.73	27	8.72	Jan. 6, 1964	11.30
June 18	6.19	Feb. 5, 1963	9.79	July 11	10.20	Feb. 18	11.27
July 10	8.02	Mar. 4	9.28	30	10.31	Mar. 12	11.50
30	8.38	20	8.74	Sept. 10	11.60	31	10.40
Sept. 17	8.82						

Haakon County

440413N1010856.1. Local number A-1-25-6dd1. A. Elrod. Dug unused water-table well, diam 24 in, depth 28 ft, cribbed with wood to 28. MP top of cover, 0.50 ft above lsd. Highest water level 20.40 below lsd, May 13, 1953; lowest dry, several times 1962-64. Records available: 1946-64. No measurement made in 1965. Measurement discontinued; well destroyed.

Feb. 5, 1962	24.17	Aug. 13, 1962	23.45	Apr. 4, 1963	(f)	June 24, 1963	23.05
May 2	23.85	Oct. 5	(f)	May 16	(f)	Feb. 3, 1964	(f)
June 12	23.87	Nov. 5	(f)	June 10	(f)	Mar. 24	(f)
July 23	23.48	Mar. 11, 1963	(f)				

f Dry.

Hand County

443150N0990645.1. Local number 112-69-3dc1. C. Losey. Dug unused water-table well in glacial drift, diam 4 ft, depth 21 ft, cribbed with brick to 21. MP top of casing, at lsd. Highest water level 2.41 below lsd, May 5, 1953; lowest 19.42 below lsd, Nov. 28, 1948. Records available: 1946-66.

Jan. 1, 1962	11.64	Dec. 13, 1962	9.52	Sept. 13, 1963	10.12	May 21, 1964	12.14
Feb. 2	11.75	Feb. 8, 1963	9.90	Oct. 4	10.47	June 1	11.64
Mar. 1	11.88	Mar. 6	9.95	24	10.01	Aug. 11	10.78
Apr. 30	12.06	25	9.97	Nov. 12	9.97	Oct. 16	11.46
June 22	4.90	Apr. 19	10.51	Dec. 6	11.31	Dec. 18	12.85
July 9	6.06	May 9	10.37	Jan. 9, 1964	11.92	Jan. 15, 1965	13.03
Aug. 3	7.08	30	10.29	Feb. 20	12.22	Mar. 12	13.10
Sept. 21	8.36	June 18	10.09	Mar. 9	12.70	31	13.55
Oct. 11	8.68	July 8	10.10	Apr. 3	12.47	Apr. 23	13.68
Nov. 18	9.50	Aug. 2	9.67	May 9	12.63	July 5	13.88

443150N0990645.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 24, 1965	14.20	Dec. 14, 1965	14.68	Aug. 15, 1966	14.73	Oct. 17, 1966	14.60
Oct. 12	13.96	May 25, 1966	14.65	Sept. 8	14.67	Nov. 14	14.73
Nov. 2	14.32	July 7	14.99	26	14.67	Dec. 12	14.93

444828N0984339.1. Local number 115-66-2aaaa1. U. S. Bureau of Reclamation. Drilled observation artesian well in glacial drift, diam 4 in, depth 149 ft, cased to 62, perforated 40-60, seal between casing and well at 40. Lsd 1,359.6 ft above mal. MP top of platform, 2.70 ft above lsd. Highest water level 19.98 below lsd, Aug. 29, 1953; lowest 26.90 below lsd, Dec. 22, 1966. Records available: 1954-66.

Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	25.15	.....	25.11	24.98	24.58	23.64	22.60	22.68	.....	22.57	23.08
10	.....	24.85	.....	25.17	24.84	24.47	23.53	22.58	22.56	22.48	22.70	23.33
15	.....	24.93	.....	25.17	24.87	24.25	23.39	22.68	22.64	22.93	22.93	22.92
20	.....	.....	.....	24.87	24.77	24.24	23.18	22.61	22.69	22.73	22.56	.....
25	.....	.....	.....	24.88	24.80	24.15	23.16	22.59	22.70	22.79	22.96	.....
Eom	25.13	.....	25.17	h25.03	24.50	23.93	22.94	22.61	22.53	22.73	22.95	.....

1963

5	.....	23.36	23.44	.....	23.93	23.62	23.80	23.92	24.00	24.16	.....	24.35
10	.....	23.41	23.42	.....	23.93	23.81	23.52	23.92	24.01	24.28	.....	24.63
15	.....	23.57	23.30	23.73	23.75	23.90	23.73	23.85	24.06	24.24	.....	24.56
20	23.32	23.67	h23.85	23.68	23.87	.....	.....	.....	24.20	24.24	24.26	24.36
25	23.36	23.72	23.74	23.81	23.75	.....	23.86	.....	.....	24.30	24.57	24.68
Eom	23.62	23.47	23.58	23.99	23.66	.....	23.97	24.09	h24.15	24.40	24.54	.....

1964

5	.....	24.58	.....	25.10	24.90	.....	.....	25.00	.....	.....	.....	.....
10	.....	24.98	24.86	25.05	25.13	25.07	.....	.....	.....	.....	.....	.....
15	.....	24.82	24.86	25.18	25.13	25.04	24.88	.....	.....	.....	.....	.....
20	.....	25.05	.....	25.11	25.03	24.97	24.97	.....	.....	.....	.....	.....
25	.....	24.95	25.05	25.10	25.03	24.93	25.01	.....	.....	.....	.....	.....
Eom	.....	24.82	24.92	.....	25.13	24.95	24.91	.....	.....	.....	.....	.....

1965

5	.....	.....	25.84	25.89	26.08	26.01	26.00	.....	26.16	25.95	h26.20	26.31
10	.....	.....	.....	25.74	26.04	26.08	26.00	.....	26.17	26.20	.....	26.21
15	.....	.....	25.86	26.11	26.22	26.05	25.93	.....	26.07	26.05	.....	.....
20	.....	25.64	.....	h26.02	.....	26.00	25.97	.....	26.10	26.27	26.18	.....
25	.....	25.62	.....	26.08	25.95	25.93	.....	.....	26.11	26.25	26.22	.....
Eom	.....	25.85	25.78	26.13	25.92	26.06	.....	26.06	.....	26.25	26.17	.....

1966

5	.....	26.32	.....	.....	26.49	26.36	e26.35	26.39	.....	.....	.....	26.56
10	h26.38	26.38	26.46	.....	26.37	26.27	e26.30	26.40	.....	.....	.....	26.77
15	26.40	.....	26.42	h26.48	.....	h26.37	.....	26.40	.....	.....	.....	26.77
20	.....	.....	26.51	26.48	26.36	.....	h26.42	.....	h26.45	h26.45	.....	26.63
25	.....	.....	.....	26.41	26.38	e26.35	26.37	.....	26.45	.....	.....	26.80
Eom	.....	.....	.....	26.53	26.39	e26.31	26.34	.....	26.45	.....	26.82	.....

e Estimated.

h Tape measurement.

444828N0984339.3. Local number 115-66-2aaaa3. U. S. Bureau of Reclamation. Drilled observation water-table well in glacial drift, diam 4 in, depth 26 ft, perforated 0-26. Lsd 1,359.2 ft above mal. MP top of platform 1.50 ft above lsd. Highest water level 16.36 below lsd, Sept. 29, 1954; lowest dry at 24.73 below lsd, January-May, 1960. Records available: 1954-64. Well silted in, February 1964; measurement discontinued.

Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	21.99	22.39	.....	23.94	(f)	23.11	22.54	20.26	20.00	19.96	20.18	20.47
10	22.21	22.44	.....	24.07	(f)	23.08	22.00	20.15	19.93	19.67	20.19	20.56
15	22.00	.....	.....	24.14	(f)	23.01	21.41	20.13	19.90	19.64	20.35	20.49
20	22.30	.....	.....	24.14	(f)	22.96	21.02	20.02	19.93	19.88	20.07	20.73
25	21.99	.....	.....	24.14	(f)	22.87	20.76	20.01	19.85	20.07	20.42	20.75
Eom	22.33	.....	.....	(f)	(f)	.....	20.49	19.93	.....	20.13	20.46	20.76

1963

5	20.85	.....	21.19	21.56	20.83	21.84	22.09	21.96	21.91	22.01	.....	22.46
10	20.86	.....	21.18	21.58	20.76	21.82	22.06	21.94	21.93	22.06	.....	22.33
15	.....	.....	21.18	21.55	20.85	21.98	22.05	21.91	21.87	22.13	.....	22.61
20	.....	21.08	21.46	21.58	20.87	21.93	22.02	21.88	21.95	22.15	.....	22.80
25	.....	21.18	21.43	20.73	21.85	.....	21.94	.....	21.97	22.15	.....	22.83
Eom	.....	21.16	21.48	20.84	21.85	.....	21.93	21.94	h22.00	22.25	.....	22.67

1964

5	(f)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	(f)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	(f)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	(f)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	(f)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	(f)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

f Dry.

h Tape measurement.

Marshall County

454729N0975114.1. Local number 127-58-19cc1. U. S. Geol. Survey. Drilled observation water-table well in glacial drift, diam  $\frac{3}{4}$  in, depth 15 ft, screened 14 $\frac{1}{2}$ -15. Lsd 1,291.6 ft above msl. MP top of casing, 3.40 above lsd. Highest water level 0.73 below lsd, Apr. 5, 1966; lowest 9.40 below lsd, Oct. 9, 1956. Records available: 1950-60, 1962-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
May 8, 1962	6.83	Nov. 7, 1963	6.74	Jan. 26, 1965	7.39	Jan. 10, 1966	5.59
Aug. 6	6.58	Feb. 10, 1964	7.10	Apr. 26	2.80	Apr. 5	.73
Nov. 7	7.99	July 30	5.74	June 29	2.58	July 5	3.07
May 6, 1963	6.83	Nov. 3	7.22	Oct. 5	5.38	Oct. 10	6.46
Aug. 6	5.59						

Pennington County

440226N1031126.1. Local number A-1-8-17dd1. E. H. Hoff. Dug unused water-table well in alluvial sand and gravel, diam 5 ft, depth 16 ft, cribbed with rock to 16. MP top of cover, 0.60 ft above lsd. Highest water level 3.58 below lsd, May 19, 1950; lowest 17.27 below lsd, Mar. 14, 1956. Records available: 1946-66.

Jan. 4, 1962	15.35	Mar. 28, 1963	4.26	Apr. 30, 1964	10.12	May 13, 1965	9.40
Feb. 19	15.42	May 8	3.57	June 4	8.97	June 28	7.75
Apr. 2	13.09	June 5	4.91	July 1	9.40	July 29	8.91
May 11	13.61	July 3	5.60	Aug. 11	10.70	Aug. 5	9.25
July 25	3.85	Sept. 13	7.91	Nov. 8	11.30	Dec. 22	10.90
Aug. 17	5.80	Oct. 18	8.92	Dec. 11	11.30	Jan. 20, 1966	11.11
Sept. 27	7.75	Nov. 29	9.34	Jan. 27, 1965	13.08	Mar. 16	9.96
Nov. 4	8.05	Feb. 3, 1964	9.95	Feb. 3	11.87	May 11	9.00
Mar. 1, 1963	6.82	Apr. 3	10.04	Mar. 11	11.77	July 5	9.90

440551N102742.1. Local number A-2-14-29dcd1. M. Trask. Dug stock water-table well in alluvium, diam 36 in, depth 14 ft, cribbed with wood to 14. MP base of pump, 1.70 ft above lsd. Highest water level 1.54 below lsd, Mar. 9, 1949; lowest 11.90 below lsd, Jan. 30, 1961. Records available: 1946-66.

Jan. 4, 1962	8.98	Mar. 13, 1963	4.55	Jan. 27, 1964	7.39	Mar. 1, 1965	5.75
Feb. 14	8.05	29	4.30	Apr. 3	6.25	Apr. 20	3.90
Mar. 26	6.51	May 3	4.34	21	5.46	July 1	3.95
May 9	8.21	22	4.45	June 3	4.91	Aug. 16	5.40
July 24	3.95	July 5	4.44	July 13	6.10	Dec. 14	4.10
Aug. 20	4.48	Aug. 16	6.00	Aug. 14	7.32	Apr. 4, 1966	3.68
Sept. 14	6.11	Sept. 13	6.81	Nov. 16	7.80	26	3.69
Oct. 11	6.29	Oct. 15	b12.00	Dec. 11	b8.93	May 9	3.86
Nov. 14	6.66	Nov. 27	7.39	Feb. 4, 1965	6.39	June 23	4.33

b Well pumped recently.

Spink County

444219N0983008.1. Local number 114-64-11bbbl. U. S. Bureau of Reclamation. Drilled observation artesian well in glacial drift, diam 4 in, depth 60 ft, perforated 20-60. Lsd 1,310.8 ft above msl. MP top of platform, 3.20 ft above lsd. Highest water level 3.85 below lsd, July 20, 1962; lowest 16.48 below lsd, July 22, 1966. Records available: 1953-66.

Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.94	8.96	....	....	7.57	5.58	3.86	d6.60	6.81	....	6.96	5.95
10	8.99	8.94	....	....	7.57	....	3.86	d6.30	....	....	5.95	5.99
15	8.91	9.13	....	....	7.53	....	3.85	d8.50	....	6.23	5.96	5.95
20	8.95	8.92	....	....	....	....	3.85	7.64	....	6.09	5.86	6.01
25	8.89	....	....	....	....	....	4.02	....	....	6.14	6.04	6.03
Eom	8.93	....	8.88	h7.65	5.60	3.98	d5.75	6.84	....	6.06	5.96	6.03

1963

5	6.05	....	6.16	5.96	5.95	5.77	6.47	....	....	....	....	8.09
10	6.04	....	6.12	5.93	5.93	5.72	d8.03	....	....	....	....	....
15	....	....	6.08	5.85	5.78	5.84	d11.43	....	....	....	....	....
20	....	6.15	b6.12	5.96	5.78	5.93	....	....	....	....	....	....
25	....	6.29	6.08	6.00	5.81	5.94	....	d10.70	....	....	....	....
Eom	....	6.28	6.02	5.95	5.80	....	....	....	h8.00	....	....	....

1964

5	7.90	7.94	7.92	7.95	7.61	....	....	d14.90	d12.98	11.33	10.35	10.40
10	7.90	7.94	....	7.95	7.53	8.79	....	d14.35	11.69	11.08	10.80	10.24
15	....	7.94	....	7.89	7.53	....	d11.75	....	11.85	10.74	10.31	10.13
20	....	7.96	....	7.90	7.49	....	d13.26	d13.53	11.78	10.69	....	....
25	....	7.93	....	7.85	....	....	....	....	....	10.59	....	....
Eom	....	7.92	....	7.81	....	....	d13.84	d12.95	11.93	....	....	....

1965

5	....	....	9.90	9.77	9.50	....	(d)	....	....	11.94	h11.45	....
10	....	....	9.84	9.69	9.50	....	....	(d)	....	....	11.40	11.10
15	....	....	9.87	....	9.48	....	(d)	....	....	....	....	11.07
20	....	....	h9.67	....	....	....	....	(d)	....	....	....	11.02
25	....	....	....	9.67	h9.27	h9.17	(d)	....	....	....	....	11.02
Eom	9.90	....	....	9.60	9.27	9.17	....	12.59	....	....	....	....



444219N0983008, 1--Continued.

1966												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	h10.83	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	h10.95	10.78	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	.....	10.63	h10.14	.....	h9.78	.....	.....	.....	.....	.....	.....
20	.....	.....	10.50	.....	.....	9.11	h16.11	.....	h10.86	h10.27	.....	.....
25	.....	.....	10.43	.....	.....	9.11	14.77	11.87	10.76	.....	9.93	.....
Eom	.....	.....	10.35	.....	.....	.....	.....	11.46	.....	.....	9.76	.....

d Nearby well pumped recently.

h Tape measurement.

444828N0982425. 1. Local number 115-63-4aaaa1. U. S. Bureau of Reclamation. Drilled observation water-table well in lake sediments of Pleistocene age, diam 1½ in, depth 24 ft, cased to 24. Lsd 1,293.8 ft above msl. MP top of casing, 0.5 above lsd. Highest water level 10.80 below lsd, July 26, Aug. 26, 1948; lowest 17.60 below lsd, Sept. 22, 1950. Records available: 1948-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1962	16.36	Feb. 18, 1963	13.42	Sept. 28, 1964	15.74	Jan. 10, 1966	16.55
Mar. 27	17.57	Mar. 20	13.66	Nov. 2	15.82	Mar. 14	16.73
Apr. 30	16.64	July 22	13.55	Dec. 2	15.87	Apr. 15	16.80
May 29	15.86	Aug. 27	13.78	Mar. 12, 1965	17.22	May 18	16.82
June 29	13.98	Sept. 30	14.00	May 25	16.57	June 15	16.85
Aug. 1	15.82	Mar. 13, 1964	14.92	June 25	16.48	July 20	16.83
28	12.43	Apr. 3	15.17	July 26	16.40	Aug. 22	16.97
Oct. 8	12.39	May 4	15.34	Aug. 26	16.35	Sept. 20	17.20
Nov. 9	12.59	June 8	15.57	Sept. 23	16.41	Oct. 20	17.05
Dec. 12	12.84	July 13	15.59	Dec. 8	16.45	Dec. 22	17.07
Jan. 17, 1963	13.14	Aug. 17	15.67				

444458N0983855. 1. Local number 115-65-28aaaa1. U. S. Bureau of Reclamation. Drilled observation artesian well in glacial drift, diam 8 in, depth 107 ft, cased to 105, perforated 58-105, seal between casing and wall at 58. Lsd 1,340.4 ft above msl. MP top of platform, 3.00 ft above lsd. Highest water level 22.02 below lsd, June 27, 1953; lowest 30.41 below lsd, July 20, 1966. Records available: 1951-66. Recording gage removed temporarily 1966.

Water level at noon, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	26.11	26.07	.....	25.73	25.12	24.55	23.99	d25.60	26.73	.....	24.85	24.68
10	26.14	26.07	.....	25.50	25.11	27.43	23.97	25.83	.....	25.18	24.23	24.68
15	26.09	26.05	.....	25.38	25.06	24.39	23.88	25.78	.....	25.05	24.73	24.65
20	26.12	26.03	.....	25.25	24.94	24.24	23.88	.....	.....	25.03	24.68	24.64
25	26.07	25.99	.....	25.20	24.84	24.13	24.69	.....	d27.12	25.07	24.69	24.64
Eom	26.09	.....	25.89	25.12	24.61	24.10	.....	d26.84	d27.66	24.91	24.69	24.63

1963

5	24.67	24.59	24.57	24.49	25.01	25.63	26.29	.....	28.07	26.80	.....	26.16
10	24.58	24.60	24.55	24.73	25.56	25.41	26.52	.....	27.86	25.71	.....	26.12
15	.....	24.58	24.34	24.87	25.50	25.41	26.26	.....	27.68	26.64	.....	26.10
20	24.57	24.56	h24.53	24.90	25.48	25.45	.....	.....	27.31	26.58	.....	26.09
25	24.59	24.56	24.52	24.83	25.30	25.65	d31.50	.....	27.07	.....	.....	.....
Eom	24.58	24.35	24.50	24.95	25.61	.....	27.56	28.94	h26.89	h26.00	.....	.....

1964

5	26.09	26.04	25.98	25.98	25.92	26.16	.....	.....	29.83	28.33	.....	.....
10	26.08	26.03	25.98	25.97	.....	26.88	.....	.....	29.35	28.20	.....	.....
15	26.08	26.03	25.96	25.92	.....	d27.01	.....	.....	29.02	28.11	.....	.....
20	26.02	26.02	25.96	25.92	25.82	.....	.....	d36.46	.....	28.06	.....	.....
25	26.05	25.99	25.92	25.92	25.95	.....	.....	.....	28.79	28.01	.....	.....
Eom	26.07	25.99	25.95	25.94	26.11	.....	dh33.64	dh30.56	28.42	.....	.....	27.66

1965

5	27.66	27.51	.....	27.26	26.95	27.13	27.20	.....	.....	28.94	h28.60	.....
10	27.65	27.52	.....	27.13	27.07	27.05	.....	.....	.....	28.85	.....	.....
15	.....	27.51	27.39	.....	27.07	26.94	.....	.....	.....	28.74	.....	.....
20	.....	27.48	27.39	h27.05	27.14	26.94	.....	.....	.....	.....	.....	28.12
25	.....	27.46	27.38	27.02	h27.07	h26.98	.....	.....	.....	.....	.....	28.11
Eom	27.57	.....	27.35	27.00	27.17	27.01	.....	c32.16	29.07	.....	.....	.....

1966

5	28.10	28.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	h28.10	28.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	28.07	.....	27.83	.....	.....	h29.96	.....	.....	.....	.....	.....	.....
20	.....	.....	27.62	.....	27.08	.....	h30.41	.....	.....	h27.50	h27.31	.....
25	.....	.....	27.48	.....	27.11	.....	.....	.....	.....	.....	.....	.....
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

c Nearby well being pumped.

d Nearby well pumped recently.

h Tape measurement.

445306N0983044. 1. Local number 116-64-3db1. L. J. Hillested. Dug domestic water-table well in glacial drift, diam 18 in, depth 22 ft, cased with corrugated steel to 22. Lsd about 1,277 ft above msl. MP base of pump, 2.20 ft above lsd. Highest water level 10.76 below lsd, Oct. 17, 1966; lowest 15.57 below lsd, Oct. 10, 1961. Records available: 1946-66. Measurements previously reported for 1961 were in error. Corrected measurements are: Aug. 23, 14.28; Sept. 12, 14.43; Oct. 10, 15.57; Nov. 7, 14.48.

445306N0983044. 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1962	14.41	Apr. 17, 1963	12.11	May 5, 1964	12.93	Dec. 14, 1965	14.24
30	14.59	May 7	12.15	July 1	12.78	Jan. 4, 1966	14.46
Feb. 27	14.66	28	12.25	20	13.06	Feb. 7	14.64
Mar. 21	14.53	June 19	12.31	Aug. 11	13.37	Mar. 1	14.58
June 20	12.03	July 9	12.42	Oct. 15	14.00	May 9	13.48
July 10	11.09	31	11.42	Nov. 25	14.26	June 14	12.85
31	10.85	Sept. 11	12.61	Dec. 16	14.33	July 5	12.79
Sept. 19	11.33	Oct. 22	11.91	Jan. 13, 1965	14.43	25	11.80
Oct. 11	11.38	Nov. 12	12.96	Mar. 10	14.60	Aug. 16	12.46
Nov. 19	11.58	Dec. 4	13.02	29	14.45	Sept. 6	11.48
Dec. 11	11.74	Jan. 6, 1964	13.10	Apr. 21	13.96	27	12.10
Feb. 6, 1963	11.96	Feb. 20	13.35	July 13	12.69	Oct. 17	10.76
Mar. 5	12.08	Mar. 9	13.45	Sept. 22	11.28	Nov. 14	11.89
26	12.15	Apr. 1	12.04	Oct. 12	13.62	Dec. 12	12.39

451432N0982820. 1. Local number 120-63-6bbbl. U. S. Bureau of Reclamation. Drilled observation water-table well in lake sediments of Pleistocene age, diam  $1\frac{1}{4}$  in, depth 24 ft, cased to 24. Lsd 1,297.4 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 16.52 below lsd, July 15, 1954; lowest 21.00 below lsd, Apr. 20, 1950. Records available: 1948-52, 1954-61, 1963-66. No measurement made in 1962. Apr. 2, 1963, 19.95; May 6, 1964, 19.89; Nov. 5, 19.82; May 18, 1965, 19.92; Aug. 9, 20.05; May 19, 1966, 20.21; Nov. 7, 20.14.

Union County

430405N0964632. 1. Local number 95-50-8ab1. J. J. Dolan. Dug unused water-table well in sand and gravel of Pleistocene age, diam 24 in, depth 42 ft, cased to 42. MP top of casing, 2.50 ft above lsd. Highest water level 0.51 below lsd, Apr. 11, 1947; lowest 14.77 below lsd, May 2, 1957. Records available: 1936-44, 1946-66.

Jan. 16, 1962	7.70	Feb. 13, 1963	7.49	Mar. 17, 1964	6.42	Jan. 13, 1966	4.60
Feb. 15	7.66	Mar. 14	7.53	Apr. 28	9.84	Feb. 23	5.53
Mar. 22	7.15	Apr. 16	6.76	May 25	9.78	Mar. 21	5.32
Apr. 18	4.70	May 7	5.76	June 17	6.31	Apr. 19	4.63
May 17	4.28	June 6	6.42	July 28	6.96	May 17	4.43
June 27	2.92	July 11	7.22	Aug. 13	7.79	June 16	5.42
July 16	4.08	Aug. 6	9.32	Sept. 15	8.12	July 22	6.60
Aug. 14	5.43	Sept. 9	9.39	July 28, 1965	4.43	Aug. 17	5.85
Sept. 12	6.79	Oct. 9	9.47	Sept. 16	4.96	Sept. 22	4.87
Oct. 16	6.82	Nov. 14	9.34	Oct. 13	2.72	Oct. 20	3.33
Nov. 20	6.78	Dec. 13	9.51	Nov. 16	2.58	Nov. 25	4.05
Dec. 19	7.10	Jan. 8, 1964	9.87	Dec. 21	3.98	Dec. 29	4.40
Jan. 7, 1963	7.20						

Yankton County

425240N0972520. 1. Local number 93-56-14aal. Mrs. J. N. Kayser. Drilled domestic artesian well in Niobrara Formation of Late Cretaceous age, diam unknown, depth 80 ft. Lsd about 1,200 ft above msl. MP base of pump, 1.20 ft above lsd. Highest water level 36.40 below lsd, June 16, 1961; lowest 47.52 below lsd, June 11, 1947. Records available: 1946-66.

Jan. 1, 1962	45.18	Feb. 13, 1963	44.09	Mar. 27, 1964	43.16	Dec. 23, 1965	44.13
Feb. 15	45.26	Mar. 15	44.82	Apr. 28	45.69	Jan. 14, 1966	43.86
Mar. 23	45.17	Apr. 18	b48.58	May 27	44.78	Feb. 24	44.50
Apr. 19	39.88	May 7	45.41	June 29	43.44	Mar. 23	43.99
May 21	43.55	June 7	45.33	July 28	44.36	Apr. 19	44.95
June 25	38.30	July 10	45.07	Aug. 19	43.67	May 17	45.07
July 18	37.51	Aug. 6	43.91	Sept. 18	43.36	June 16	42.74
Aug. 14	39.03	Sept. 10	44.18	May 6, 1965	45.20	July 22	44.87
Sept. 27	43.18	Oct. 9	44.54	July 23	39.88	Aug. 17	39.10
Oct. 17	43.64	Nov. 18	b48.92	Sept. 17	43.89	Sept. 23	39.55
Nov. 20	44.03	Dec. 12	45.00	Oct. 29	43.75	Oct. 21	40.94
Dec. 19	44.30	Jan. 24, 1964	45.86	Nov. 17	44.01	Nov. 21	40.96
Jan. 7, 1963	44.49						

b Well pumped recently.

# WISCONSIN

The observation-well program was continued during 1962 through 1966 in cooperation with the Wisconsin Geological and Natural History Survey. Figure 10 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered according to their latitude-longitude, as explained elsewhere in this publication. Local well numbers are also given.

A three-segment system of letters and numbers is used to designate the location of wells. The first segment is an abbreviation of the county name (Pt, Portage County). The second segment is the township designation, which is based on the Federal system of land subdivision, and is divided into three parts--township, range, and section. All townships are north of the base line for the extended Fourth principal meridian. All ranges are east of the Fourth principal meridian, unless "W" (West) follows the range number. The third segment is the well serial number, which is assigned in the order that the well was inventoried in the county. For example, well Pt-24/10/28/15 is located in Portage County, township 24 north, range 10 east, section 28, and was the 15th well inventoried.

## Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated. Barometric leveling is used in referencing land-surface datum.

### Adams County

435758N0894900.1. Local number Ad-17/6/8-2 (previously reported Ad-17/6/5-2). Wisconsin Conservation Dept. Jetted observation water-table well in sand of Pleistocene age, diam 2 in, depth 21 ft, cased to 19, well point 19-21. Lsd 955 ft above msl. MP top of casing, 1.70 ft above lsd. Highest water level 12.58 below lsd, July 11, 1960; lowest 18.05 below lsd, Apr. 6, 1959. Records available: 1952-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1962	13.60	May 6, 1963	14.42	Aug. 31, 1964	16.41	Nov. 1, 1965	14.85
Feb. 26	13.80	June 3	14.18	Sept. 28	16.51	Dec. 6	14.27
Mar. 26	14.03	July 29	14.32	Oct. 26	16.65	Jan. 3, 1966	13.88
Apr. 2	14.00	Aug. 26	14.54	Nov. 23	16.82	Feb. 7	13.82
May 8	13.40	Sept. 30	14.82	Dec. 28	17.03	Mar. 7	13.67
June 4	13.05	Oct. 28	15.04	Jan. 25, 1965	17.31	Apr. 4	13.33
July 30	12.93	Nov. 25	15.26	Feb. 22	17.57	May 2	13.04
Sept. 24	13.48	Dec. 30	15.48	Mar. 29	17.78	June 28	13.17
Oct. 9	13.55	Jan. 27, 1964	15.72	Apr. 12	17.82	July 25	13.51
Nov. 26	13.62	Feb. 24	15.99	May 3	17.54	Aug. 29	13.98
Dec. 17	13.78	Mar. 30	16.29	June 1	17.00	Sept. 26	14.36
Jan. 28, 1963	14.19	Apr. 27	16.46	July 6	16.50	Oct. 31	14.85
Feb. 25	14.54	May 4	16.46	Aug. 2	16.27	Nov. 28	15.22
Mar. 25	14.84	June 1	16.35	Sept. 13	16.26	Dec. 27	15.62
Apr. 1	14.80	July 27	16.28	Oct. 4	15.66		

### Ashland County

460934N0905344.1. Local number As-43/4W/32-6. U. S. Forest Service. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 5 in, depth 89 ft. MP top of hole in pumpbase, at lsd. Highest water level 26.90 below lsd, Jan. 5, 1961; lowest 32.35 below lsd, Apr. 1, 1964. Records available: 1957, 1959-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1962	29.38	Apr. 1, 1963	28.88	June 26, 1964	30.60	Oct. 1, 1965	29.10
31	29.46	May 1	29.95	July 31	30.30	31	29.00
Mar. 1	29.84	June 6	29.80	Sept. 1	30.65	Dec. 1	29.00
Apr. 2	30.06	28	29.52	30	30.80	Jan. 3, 1966	29.00
30	30.27	July 31	29.60	Oct. 31	30.83	Feb. 4	29.00
June 1	29.86	Sept. 3	29.83	Dec. 5	30.85	Mar. 1	29.05
July 2	32.25	Oct. 1	30.08	31	30.80	31	28.76
31	29.52	Nov. 1	30.32	Jan. 29, 1965	31.20	May 2	28.87
Aug. 31	29.50	Dec. 3	30.38	Feb. 26	31.40	June 2	28.02
Oct. 1	29.35	Jan. 3, 1964	30.60	Apr. 1	28.80	30	27.94
Nov. 1	29.25	31	30.75	May 1	31.02	Aug. 3	27.59
30	29.16	Feb. 28	30.90	28	30.55	Sept. 6	27.80
Dec. 31	29.36	Apr. 1	32.35	June 30	29.85	Oct. 6	27.98
Feb. 4, 1963	29.47	May 1	31.25	July 30	29.50	Nov. 7	28.32
Mar. 4	29.90	June 6	30.80	Sept. 1	29.30	Dec. 9	28.25

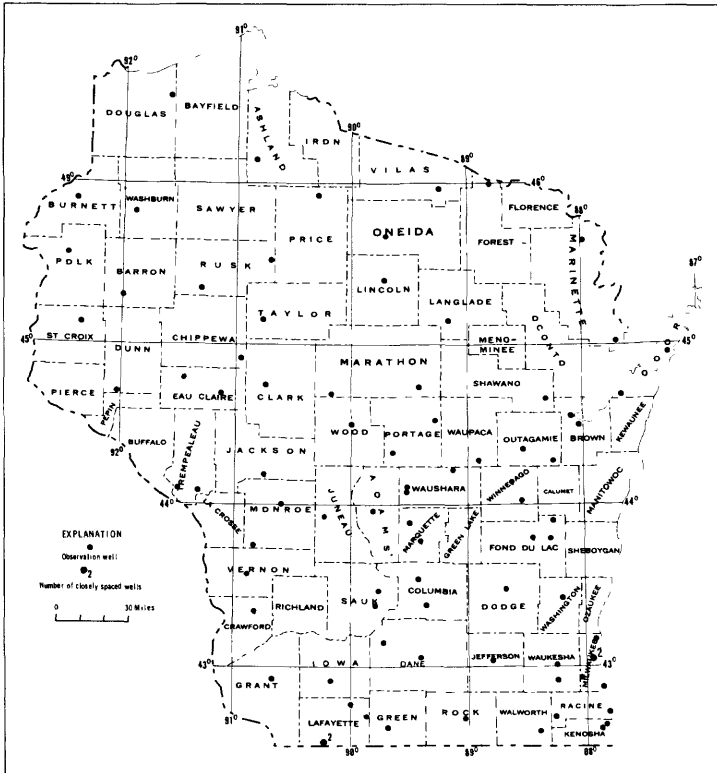


Figure 10. --Location of observation wells in Wisconsin, 1962-66.

Barron County

451514N0915821.1. Local number Br-33/13W/21-46. Edward Thuftin. Drilled unused water-table well in sandstone of Cambrian age, diam 4 in, depth 65 ft. Lsd about 1,115 ft above msl. MP top of casing, 2.00 ft above led. Highest water level 31.02 below lsd, May 18, 1966; lowest 35.45 below lsd, May 13, 1959. Records available: 1956-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 21, 1962	34.07	Sept. 26, 1963	32.73	Mar. 18, 1965	34.29	July 14, 1966	33.81
June 21	32.97	Dec. 19	32.86	June 17	33.73	Sept. 6	34.31
Sept. 13	32.68	Mar. 19, 1964	33.59	Sept. 16	33.54	Oct. 13	33.86
Dec. 13	32.64	June 11	33.09	Dec. 9	33.51	Nov. 9	32.76
Mar. 21, 1963	32.89	Sept. 17	33.33	Mar. 10, 1966	33.19	Dec. 15	33.00
June 13	32.84	Nov. 19	33.54	May 18	31.02		

Brown County

443438N0880256.1. Local number Bn-24/20/2-43. Harry Nick. Drilled unused artesian well in St. Peter Sandstone of Middle Ordovician age, diam 5 in, depth 297 ft, reported cased to 60. Lsd 585 ft above msl. MP top of 1½-in pipe, 2.00 ft above lsd. Highest water level +2.86 above led, Feb. 8, 1962; lowest -65.28 below lsd, Aug. 20, 1957. Records available: 1948-65. Affected by cessation of pumping from Green Bay municipal wells, August 1957, and by local pumping. Measurement discontinued; well destroyed.

Feb. 8, 1962	+2.86	May 2, 1963	+0.71	May 7, 1964	+1.38	May 6, 1965	+2.26
May 10	2.05	Aug. 8	-1.19	Aug. 6	.51	Aug. 4	-1.79
Aug. 2	.82	Oct. 3	3.89	Nov. 5	1.21	Sept. 3	1.57
Nov. 1	-1.01	Nov. 7	5.26	Feb. 4, 1965	1.40	Nov. 9	.11
Feb. 7, 1963	+2.20	Feb. 6, 1964	.33				

443228N0880031.1. Local number Bn-24/20/24-76. Wisconsin Public Service Corp. Drilled unused artesian well in sandstone of Cambrian age and St. Peter Sandstone of Middle Ordovician age, diam 5 in, reported depth 500 ft, cased to 150. Lsd 590 ft above msl. MP top of 3-in pipe, 4.00 ft above lsd. Highest water level 41.24 below lsd, May 3, 1961; lowest 248.97 below lsd, Aug. 30, 1955. Records available: 1950-66. Affected by cessation of pumping from Green Bay municipal wells, August 1957, and by local pumping.

Feb. 8, 1962	42.44	Aug. 6, 1964	65.95	July 1, 1965	68.33	Apr. 6, 1966	58.89
May 9	43.23	Nov. 5	62.64	Aug. 5	73.91	May 5	59.35
Aug. 2	46.86	Dec. 3	62.56	Sept. 2	76.23	June 1	61.67
Nov. 1	59.91	Jan. 6, 1965	61.55	Oct. 7	72.72	July 5	73.83
Feb. 7, 1963	58.57	Feb. 3	59.52	Nov. 9	72.29	Aug. 4	82.53
May 2	52.39	Mar. 9	56.90	Dec. 1	69.24	Sept. 1	83.29
Aug. 8	62.91	Apr. 1	57.97	Jan. 6, 1966	65.32	Oct. 4	78.31
Nov. 7	59.88	May 6	60.64	Feb. 3	63.29	Nov. 8	75.29
Feb. 6, 1964	53.44	June 3	61.27	Mar. 3	60.78	Dec. 13	71.41
May 7	54.49						

Burnett County

455224N0922156.1. Local number Bt-39/16W/17-2. Wisconsin Conservation Dept. Drilled observation water-table well in sand of Pleistocene age, diam 8 in, depth 46 ft, cased to 44½, perforated 44½-46. Lsd 981 ft above msl. MP pointer on float gage, 4.87 ft above lsd. Highest water level 30.45 below lsd, May 7, 1965; lowest 35.10 below lsd, Mar. 26, 1965. Records available: 1937-66.

Jan. 26, 1962	33.85	May 31, 1963	34.39	Aug. 7, 1964	34.83	Nov. 5, 1965	34.64
Feb. 23	33.93	June 21	34.39	Sept. 18	34.85	Dec. 3	34.50
Mar. 16	33.96	July 26	34.46	Oct. 30	34.90	Jan. 21, 1966	34.60
Apr. 27	33.94	Aug. 30	34.48	Nov. 27	34.88	Feb. 18	34.58
May 11	34.05	Sept. 27	34.53	Dec. 25	34.95	Mar. 11	34.48
June 29	34.00	Oct. 18	34.57	Jan. 29, 1965	35.00	Apr. 29	34.43
July 27	34.01	Nov. 29	34.58	Feb. 26	35.00	May 27	34.35
Aug. 31	34.09	Dec. 6	34.58	Mar. 26	35.10	June 3	34.40
Sept. 28	34.09	Jan. 31, 1964	34.66	Apr. 2	35.08	July 1	34.33
Nov. 30	34.12	Feb. 21	34.74	May 28	34.90	Aug. 12	34.29
Dec. 21	34.09	Mar. 20	34.77	June 4	34.91	Sept. 9	34.26
Jan. 18, 1963	34.16	Apr. 3	34.77	July 30	34.80	Oct. 7	34.20
Feb. 22	34.22	May 1	34.80	Aug. 13	34.82	Nov. 25	34.15
Mar. 15	34.30	June 5	34.70	Sept. 3	34.73	Dec. 2	34.15
Apr. 12	34.26	July 31	34.82	Oct. 29	34.87		

Chippewa County

445549N0905633.1. Local number Ch-25/5W/1-38. Chester Meeker. Formerly Fagen School. Drilled domestic water-table well in sandstone of Cambrian age, diam 4 in, reported depth 42 ft. Lsd about 1,100 ft above msl. MP hole in pumpbase, 1.00 ft above led. Highest water level 17.42 below lsd, Apr. 17, 1957; lowest 19.25 below lsd, Mar. 17, 1965. Records available: 1956-66.

Mar. 22, 1962	18.99	Sept. 25, 1963	17.91	Mar. 17, 1965	19.25	July 12, 1966	18.29
June 20	18.09	Dec. 18	18.33	June 16	17.79	Sept. 5	18.76
Sept. 12	17.62	Mar. 18, 1964	18.59	Sept. 15	18.84	Oct. 10	18.20
Dec. 12	17.59	June 10	18.68	Dec. 8	18.38	Nov. 8	18.52
Mar. 20, 1963	18.24	Sept. 16	19.09	Mar. 8, 1966	18.21	Dec. 13	18.78
June 12	17.77	Nov. 18	18.89	May 16	18.08		

Clark County

444525N0904432.1. Local number Ck-26/3W/4-1. Wisconsin Conservation Dept. North Mound Tower. Drilled domestic artesian well in sandstone of Cambrian age, diam 6 in, reported depth 150 ft, cased to 53. Lsd 1,210 ft above msl. MP hole in pumpbase, at lsd. Highest water level 64.84 below lsd, Aug. 13, 1956; lowest 70.64 below lsd, Sept. 17, 1955. Records available: 1953-56.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 20, 1962	69.97	Sept. 27, 1963	67.56	Mar. 19, 1965	70.20	July 15, 1966	67.96
June 22	68.52	Dec. 20	68.61	June 18	70.24	Sept. 7	68.47
Sept. 14	68.55	Mar. 20, 1964	68.88	Sept. 17	70.64	Oct. 10	67.95
Dec. 14	67.90	June 12	69.29	Dec. 10	70.45	Nov. 7	66.22
Mar. 22, 1963	68.41	Sept. 18	69.87	Mar. 11, 1966	69.61	Dec. 13	67.52
June 14	67.23	Nov. 20	70.03	May 19	68.50		

Columbia County

432343N0892153.1. Local number Co-11/9/36-22. Wisconsin Fur and Game Farm. Drilled unused water-table well in sandstone of Cambrian age, diam 6 in, depth 75 ft. Lsd 940 ft above msl. MP rim of casing, at lsd. Highest water level 50.92 below lsd, Oct. 13, 1955; lowest 59.82 below lsd, Aug. 20, 1965. Records available: 1949-66.

Feb. 15, 1962	55.26	Aug. 14, 1963	53.83	Feb. 18, 1965	57.72	June 20, 1966	55.66
May 18	53.84	Nov. 21	55.13	May 17	57.57	Aug. 11	55.77
Aug. 9	52.91	Feb. 19, 1964	55.09	Aug. 20	59.82	Oct. 6	55.70
Nov. 8	52.76	May 20	55.79	Nov. 17	57.13	Nov. 17	55.78
Mar. 21, 1963	53.05	Sept. 10	56.33	Feb. 17, 1966	56.50	Dec. 21	56.00
May 16	53.36	Dec. 9	57.07	Apr. 22	56.14		

433303N0892705.1. Local number Co-12/9/5-28. Flanders. Drilled unused water-table well in sandstone of Cambrian age, diam 6 in, depth 71 ft. Lsd 785 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 0.09 below lsd, Nov. 21, 1961; lowest 3.11 below lsd, Sept. 10, 1964. Records available: 1949, 1951-55, 1957-66.

Feb. 14, 1962	1.47	Aug. 14, 1963	2.58	Feb. 18, 1965	2.69	June 21, 1966	1.30
May 18	.24	Nov. 21	2.62	May 17	1.21	Aug. 11	1.94
Aug. 9	1.68	Feb. 19, 1964	2.56	Aug. 20	2.32	Oct. 6	2.54
Nov. 8	1.74	May 20	1.49	Nov. 17	.35	Nov. 17	2.46
Feb. 20, 1963	2.06	Sept. 10	3.11	Feb. 16, 1966	.33	Dec. 21	2.68
May 16	.86	Dec. 9	2.93	Apr. 21	.42		

Crawford County

431942N0905017.1. Local number Cr-10/4W/22-15. Formerly Cr-10/4/22-15. J. H. Kettner. Drilled domestic artesian well in sandstone of Cambrian age, diam 6 in, depth 150 ft, cased to 132. Lsd 740 ft above msl. MP top of first elbow on breather pipe, 1.00 ft above lsd. Highest water level 48.57 below lsd, Aug. 16, 1960; lowest 51.42 below lsd, Nov. 19, 1965. Records available: 1957-66.

Mar. 16, 1962	49.36	Aug. 23, 1963	50.29	Nov. 13, 1964	50.98	Apr. 14, 1966	49.43
June 15	46.67	Nov. 1	50.51	Feb. 12, 1965	51.16	June 10	49.57
Aug. 16	49.31	Feb. 18, 1964	50.69	May 14	50.26	Sept. 8	49.82
Nov. 15	49.30	May 15	50.41	Aug. 18	50.69	Nov. 2	49.74
Feb. 14, 1963	49.97	Aug. 12	50.66	Nov. 16	49.06	Dec. 14	50.09
May 10	49.65						

Dane County

430429N0892303.1. Local number Dn-7/9/23-5. State of Wisconsin. South wing of State Capitol Bldg. Drilled unused artesian well in sandstone of Cambrian age, diam 8 in, depth 346 ft, cased to 265. Lsd 930 ft above msl. MP hole in pumpbase, 3.50 ft below lsd. Highest water level 83.37 below lsd, Jan. 2, 1961; lowest 110.79 below lsd, Aug. 24, 1963. Records available: 1946-54, 1956-66. Affected primarily by pumping of nearby municipal wells. Recording gage removed Sept. 17, 1963.

Lowest water level for the day, from recorder graph, 1962											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
5	e85.00	85.79	86.69	85.67	87.59	86.46	92.19	90.84	92.15	91.18	90.01
10	e85.50	86.40	86.64	85.30	86.85	87.30	92.41	91.96	91.66	90.52	e90.20
15	e86.00	e86.60	86.51	e85.60	86.11	86.82	92.92	91.78	92.23	91.09	91.04
20	86.05	86.19	86.22	e85.55	87.48	87.86	91.94	92.19	91.43	91.93	90.32
25	85.69	86.65	86.49	85.58	87.37	90.74	91.18	93.21	90.41	91.19	90.70
Eom	85.95	86.52	86.10	86.39	86.84	93.31	90.22	92.87	91.24	90.68	91.78
1963											
5	90.16	92.01	92.86	93.83	94.58	97.40	94.70	94.38	89.98	.....	.....
10	.....	92.92	93.74	93.53	95.47	95.82	95.18	95.08	97.70	.....	.....
15	.....	93.40	93.87	93.07	94.29	95.43	94.14	94.58	101.31	.....	h86.07
20	91.64	93.30	92.76	93.70	94.83	92.34	94.81	96.06	.....	h94.14	h86.27
25	91.67	92.77	92.35	93.18	94.98	93.01	94.84	108.20	.....	.....	.....
Eom	92.17	93.39	93.49	93.70	95.43	94.48	95.53	103.85	.....	.....	.....

e Estimated.

h Tape measurement.

430429N0892303.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17, 1964	85.63	Nov. 9, 1964	85.89	Aug. 10, 1965	87.78	May 9, 1966	85.02
Feb. 18	85.42	Dec. 8	85.57	Sept. 9	85.69	17	84.94
Mar. 16	85.24	Jan. 8, 1965	85.09	Oct. 11	85.52	June 13	90.51
Apr. 23	84.69	Feb. 9	85.67	Nov. 12	85.23	July 11	90.70
May 11	84.84	Mar. 11	84.69	Dec. 13	84.73	Aug. 8	90.81
June 8	85.44	Apr. 8	84.79	Jan. 13, 1966	84.72	Sept. 23	91.11
July 7	86.52	May 11	85.73	Feb. 8	85.29	Oct. 12	90.24
Aug. 10	87.09	June 14	86.81	Mar. 2	85.40	Nov. 7	89.05
Sept. 2	86.59	July 14	88.00	Apr. 5	85.93	Dec. 6	89.05
Oct. 10	86.17						

430818N0894445.1. Local number Dn-8/6/26-11. Black Earth Public School. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 6 in, depth 59 ft, cased to 59. Lsd 818 ft above msl. MP top of casing, 6.00 ft below lsd. Highest water level 10.05 below lsd, June 11, 1957; lowest 13.75 below lsd, Aug. 5, 1965. Records available: 1950, 1954, 1956-66. (1950, 1954, 1956-61 records not previously published). Recording gage installed June 1957. Jan. 5, 1950, 12.76; Feb. 2, 1954, 13.10; Apr. 21, 12.90; Dec. 4, 1956, 13.10; May 8, 1957, 13.20.

## Lowest water level for the day, from recorder graph, 1957

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	.....	.....	12.20	.....	12.77	13.16	13.06	12.90
10	.....	.....	.....	.....	.....	.....	12.27	12.76	12.94	13.20	12.88	12.99
15	.....	.....	.....	.....	.....	.....	.....	12.97	12.92	13.21	12.87	13.04
20	.....	.....	.....	.....	.....	12.86	11.56	13.04	12.99	13.20	12.36	12.97
25	.....	.....	.....	.....	.....	12.16	.....	13.07	13.05	12.95	12.61	12.84
Eom	.....	.....	.....	.....	.....	11.74	12.11	12.46	13.12	13.09	12.77	12.95

1958

5	13.01	13.25	13.08	.....	13.13	12.83	13.15	.....	13.59	13.60	13.45	13.40
10	13.09	13.24	13.12	12.66	13.21	12.97	13.24	13.51	13.60	13.34	13.46	13.40
15	13.15	13.25	13.17	12.88	13.27	13.07	13.28	13.56	13.62	13.43	13.46	13.38
20	13.19	13.22	13.20	13.01	13.29	13.14	.....	13.61	13.59	13.45	13.30	13.39
25	13.22	12.92	13.23	12.90	13.32	13.17	.....	13.46	13.54	13.45	13.35	13.44
Eom	13.24	12.95	13.23	13.04	13.30	13.22	.....	13.53	13.57	13.44	13.37	13.47

1959

5	13.44	13.30	13.28	11.04	12.78	13.15	13.04	13.09	.....	12.98	12.01	12.62
10	13.38	13.27	13.31	11.67	12.89	13.22	13.19	13.20	.....	12.11	11.65	12.72
15	13.40	13.29	13.31	12.18	12.96	13.29	13.28	13.22	12.90	12.45	12.03	12.78
20	13.37	13.38	13.15	12.41	13.06	13.35	13.12	13.16	13.02	12.68	12.29	12.83
25	13.33	13.41	12.06	12.62	13.02	13.39	13.26	12.60	13.10	11.24	12.42	12.88
Eom	13.34	13.41	11.35	12.44	13.04	13.00	13.12	.....	12.81	11.77	12.57	11.83

1960

5	12.19	12.63	12.88	11.56	11.78	11.66	11.05	.....	.....	.....	.....	.....
10	12.46	.....	12.93	11.94	.....	11.90	11.68	.....	.....	.....	.....	.....
15	11.87	.....	12.95	12.13	.....	12.05	11.95	.....	12.58	12.44	12.20	12.60
20	12.20	12.77	12.97	11.31	10.70	12.16	11.16	12.20	11.94	12.53	12.17	12.68
25	12.39	12.81	12.98	11.77	11.09	12.23	.....	.....	11.61	12.59	.....	12.67
Eom	12.55	12.85	11.18	11.94	11.43	12.28	.....	.....	.....	12.55	.....	12.77

1961

5	.....	12.95	12.55	.....	.....	.....	13.01	.....	13.21	12.56	11.68	.....
10	.....	12.98	12.28	.....	.....	.....	13.06	.....	13.26	12.77	.....	.....
15	12.87	12.97	12.36	12.25	.....	.....	13.07	.....	12.46	12.55	.....	.....
20	12.86	12.86	12.26	12.22	12.76	12.97	13.07	.....	12.77	12.53	11.73	12.61
25	12.87	12.59	12.59	.....	.....	12.98	12.90	13.17	12.85	12.49	.....	12.66
Eom	12.88	12.68	.....	.....	.....	13.03	12.91	13.23	12.88	12.16	.....	12.70

1962

5	12.71	.....	12.98	11.59	.....	.....	12.57	12.67	12.80	12.83	12.95	12.99
10	12.69	.....	12.96	11.76	.....	12.70	12.73	12.81	12.80	12.68	12.97	13.04
15	12.75	.....	12.51	.....	.....	12.71	12.74	12.85	12.85	12.80	12.99	13.00
20	.....	.....	12.02	.....	.....	12.73	12.77	12.89	12.88	12.85	12.99	13.07
25	.....	.....	11.07	.....	.....	12.78	12.80	12.50	.....	12.89	13.03	13.07
Eom	.....	13.00	11.16	.....	.....	12.85	12.79	12.72	12.90	12.94	13.04	13.06

1963

5	13.10	12.84	13.17	12.58	13.07	13.29	13.40	13.43	13.51	13.44	13.41	13.33
10	13.11	13.00	13.18	12.71	13.11	13.09	13.45	13.50	13.56	13.48	13.40	13.35
15	13.04	13.05	13.04	12.84	13.13	13.22	13.44	13.53	13.40	13.48	13.40	13.34
20	12.96	13.11	11.96	12.91	13.19	13.30	13.34	13.59	13.41	13.44	13.40	13.29
25	12.92	13.12	12.10	12.95	13.23	13.37	13.41	13.61	13.41	13.42	13.21	13.19
Eom	12.85	13.15	12.40	12.99	13.27	13.34	13.48	13.57	13.39	13.41	13.29	13.21

1964

5	13.23	13.35	13.42	13.02	12.96	13.31	13.21	13.46	13.48	13.63	13.54	13.48
10	13.29	13.39	13.39	12.94	.....	13.40	13.30	13.57	13.53	13.56	13.54	13.51
15	13.28	13.41	13.17	13.10	13.03	13.43	13.36	13.63	13.58	13.55	13.55	13.50
20	13.33	13.41	13.26	13.20	12.95	13.46	13.46	13.68	13.55	13.56	13.51	13.48
25	13.16	13.41	13.28	13.24	13.08	12.72	13.51	13.47	13.51	13.55	13.50	13.45
Eom	13.28	13.42	13.30	13.11	13.22	13.06	13.27	13.57	13.53	13.55	13.47	13.50

430818N0894445. 1--Continued.

1965												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	13.49	13.32	12.32	12.12	12.89	.....	13.63	13.75	12.77	12.44	12.99	13.09
10	13.42	12.89	12.23	12.11	13.03	.....	13.55	13.51	11.61	12.67	13.07	13.17
15	13.45	13.05	12.65	12.23	13.15	13.50	13.62	13.70	12.20	12.80	13.03	12.36
20	13.42	13.16	12.84	12.50	.....	13.53	13.65	13.03	11.66	12.78	13.12	12.68
25	13.39	13.12	13.01	12.71	.....	13.50	13.71	13.24	11.54	12.62	13.15	12.46
Eom	13.38	13.13	12.90	12.67	.....	13.57	13.74	13.12	12.07	12.87	12.94	12.51

1966												
5	.....	.....	12.83	12.61	13.05	13.20	13.30	13.40	13.14	13.45	13.44	13.37
10	.....	11.67	12.97	12.78	13.11	13.10	13.35	13.43	.....	13.46	13.39	12.86
15	.....	12.25	12.91	12.90	13.06	13.01	12.96	13.49	13.36	13.41	13.41	13.10
20	.....	12.60	12.71	12.95	13.12	13.14	13.19	13.51	13.42	13.40	13.43	13.20
25	.....	12.81	12.13	12.97	.....	13.24	13.31	13.38	13.43	13.43	13.33	13.25
Eom	.....	12.88	12.35	12.97	13.18	13.27	13.34	13.49	13.43	13.43	13.38	13.26

Dodge County

432706N0883717.1. Local number Dg-11/16/5-4. City of Horicon. Drilled unused artesian well in sandstone of Cambrian age and St. Peter Sandstone of Middle Ordovician age, diam 8 in, depth 475 ft, cased to 140. Lsd 980 ft above msl. MP top of concrete floor, 5.00 ft below lsd. Highest water level 112.53 below lsd, May 9, 1960; lowest 122.57 below lsd, Sept. 18, 1953. Records available: 1947-66. Affected primarily by pumping of nearby municipal wells.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	115.33	e115.90	115.39	113.85	114.61	115.50	116.77	117.00	119.51	118.52	117.65	e117.35
10	115.22	115.20	115.23	113.87	114.69	115.50	117.12	117.79	118.74	118.50	117.65	117.52
15	115.33	115.23	115.03	113.91	114.84	115.72	117.34	118.58	118.69	118.16	117.59	117.43
20	115.23	115.23	114.54	114.48	115.08	116.20	117.28	118.70	118.16	118.13	117.39	117.64
25	115.17	115.23	114.01	114.55	115.14	117.21	117.95	118.89	117.99	117.97	117.62	117.51
Eom	115.09	115.35	113.73	114.27	115.18	117.09	117.25	119.45	118.50	117.77	117.59	117.61
1963												
5	117.65	.....	117.91	117.07	117.51	118.06	120.33	120.09	121.50	121.80	.....	120.14
10	117.63	117.71	117.95	117.16	117.39	117.87	119.97	120.23	121.40	121.86	120.58	120.21
15	117.63	117.86	118.11	117.29	117.35	118.01	118.99	120.99	121.01	121.76	120.60	120.23
20	117.48	117.90	117.34	117.36	117.60	118.72	120.38	121.03	120.81	121.26	120.53	120.30
25	117.67	117.97	116.81	117.44	117.97	119.91	120.54	121.63	121.37	120.93	120.26	120.10
Eom	118.66	117.97	116.99	117.75	117.76	120.03	120.91	121.81	121.03	120.66	120.17	120.50
1964												
5	120.65	119.78	119.83	117.36	.....	116.59	118.05	119.63	120.31	119.30	119.06	118.61
10	120.28	119.82	119.54	.....	.....	117.25	118.47	118.99	119.78	119.36	118.66	118.61
15	120.45	119.75	119.11	.....	.....	116.99	118.46	119.91	119.76	119.27	118.75	118.63
20	120.28	119.77	119.01	.....	.....	117.61	118.44	119.90	119.46	119.12	118.53	118.50
25	119.86	119.72	119.05	.....	.....	117.68	118.61	119.79	118.97	118.92	118.59	118.42
Eom	120.02	119.89	117.97	.....	.....	118.89	118.78	120.16	119.30	118.83	118.29	118.61
1965												
5	118.44	118.52	117.50	116.59	116.47	117.09	118.50	118.44	119.00	.....	115.90	114.83
10	118.51	118.29	117.17	116.48	116.50	117.15	118.87	118.09	.....	115.64	115.97	115.02
15	118.61	118.43	117.12	115.90	116.75	117.34	119.24	118.36	.....	115.79	115.33	114.18
20	118.53	118.18	117.19	116.25	116.70	117.99	118.98	118.35	.....	116.06	115.35	114.33
25	118.51	118.14	117.13	116.33	117.04	117.54	119.48	118.63	.....	115.70	115.23	114.44
Eom	118.49	118.13	.....	116.26	.....	118.53	119.80	118.71	.....	115.51	114.79	114.22
1966												
5	114.10	114.69	114.10	.....	114.10	114.86	116.53	116.96	116.70	117.51	.....	116.67
10	114.35	113.96	114.23	113.96	114.22	114.69	117.12	116.86	117.18	117.05	116.66	.....
15	114.40	114.01	114.16	114.20	114.17	114.49	116.57	116.17	117.21	116.83	116.73	116.15
20	114.49	114.30	114.15	114.13	114.22	114.46	116.66	116.92	117.26	117.36	116.62	115.87
25	114.50	114.20	113.63	114.00	113.85	115.41	116.88	116.61	117.47	117.29	116.50	115.97
Eom	114.55	114.31	113.83	114.11	114.75	115.44	117.49	116.96	117.29	117.30	116.54	116.00

e Estimated.

Door County

455757N0871517.1. Local number Dr-29/27/30-7. Fred Peterson. Drilled unused artesian well in Niagara Dolomite of Middle Silurian age, diam 4 in, depth 111 ft. Lsd 725 ft above msl. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 12.18 below lsd, May 24, 1947; lowest 52.40 below lsd, Dec. 7, 1949. Records available: 1946-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7, 1962	43.38	July 10, 1963	45.47	Jan. 5, 1965	48.16	June 2, 1966	33.07
Apr. 5	20.18	Oct. 3	47.19	May 6	31.76	Aug. 3	46.30
Aug. 2	36.43	Jan. 2, 1964	46.67	Aug. 5	37.16	Oct. 5	46.78
Oct. 31	35.12	May 7	38.14	Oct. 7	33.02	Nov. 9	50.23
Jan. 3, 1963	46.27	July 9	45.63	Jan. 5, 1966	34.14	Dec. 14	48.66
Apr. 4	29.83	Oct. 1	41.42	Apr. 7	32.02		

444243N0874159.1. Local number Dr-26/23/22-11. Wilfred LeMense. Drilled stock artesian well in St. Peter Sandstone of Middle Ordovician age, diam 6 in, reported depth 816 ft, cased to 60. Lsd 630 ft above msl. MP hole in side of casing, 1.00 ft above lsd. Highest water level 40.54 below lsd, Oct. 7, 1965; lowest 60.63 below lsd, Nov. 6, 1957. Records available: 1950-66. Affected by cessation of pumping from Green Bay municipal wells, August 1957, and by regional pumping.



444243N0874159.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7, 1962	40.63	July 10, 1963	41.81	Jan. 5, 1965	41.89	June 2, 1966	42.14
Apr. 5	43.18	Oct. 3	42.12	May 6	41.69	Aug. 3	44.76
Aug. 2	44.63	Jan. 2, 1964	41.84	Aug. 5	41.89	Oct. 5	42.15
Oct. 31	42.11	May 7	41.98	Oct. 7	40.54	Nov. 9	41.90
Jan. 3, 1963	42.03	July 9	41.99	Jan. 5, 1966	41.56	Dec. 14	42.27
Apr. 4	42.04	Oct. 1	41.44	Apr. 7	41.28		

Douglas County

463217N0913428.1. Local number D8-47/10W/23-1. Wisconsin Conservation Dept. Drilled observation artesian well in sand of Pleistocene age, diam 8 in, depth 40 ft, cased to 37, perforated 37-40. Lsd 980 ft above msl. MP pointer on float gage, 4.33 ft above lsd. Highest water level 23.65 below lsd, May 6, 1966; lowest 29.59 below lsd, July 29, 1939. Records available: 1937-41, 1944-66.

Jan. 26, 1962	27.99	Apr. 12, 1963	28.39	July 31, 1964	29.13	Oct. 15, 1965	28.06
Feb. 23	28.07	May 3	26.49	Aug. 28	28.27	Nov. 12	28.65
Mar. 23	28.12	June 28	27.74	Sept. 18	28.82	Dec. 10	28.86
Apr. 13	25.95	July 26	28.60	Oct. 30	29.18	Jan. 28, 1966	28.95
May 25	27.96	Aug. 30	28.68	Nov. 6	29.19	Feb. 25	29.03
June 1	27.91	Sept. 27	28.72	Dec. 25	29.29	Mar. 11	29.04
July 27	28.08	Oct. 25	28.75	Jan. 29, 1965	29.30	Apr. 8	29.02
Aug. 17	28.19	Nov. 29	28.80	Feb. 12	29.38	May 13	26.37
Sept. 7	28.08	Dec. 27	28.87	Mar. 12	29.47	June 24	28.19
Oct. 26	28.19	Jan. 31, 1964	28.94	Apr. 2	29.40	July 22	28.62
Nov. 30	28.27	Feb. 28	29.00	May 28	26.94	Aug. 19	27.67
Dec. 28	28.34	Mar. 27	29.05	June 18	28.38	Sept. 30	28.47
Jan. 25, 1963	28.38	Apr. 10	29.07	July 30	28.93	Oct. 28	28.19
Feb. 22	28.45	May 15	27.64	Aug. 20	28.99	Nov. 25	28.41
Mar. 29	28.51	June 26	29.03	Sept. 10	28.98	Dec. 30	28.59

Dunn County

444141N0920042.1. Local number Du-26/13W/31-53. Eau Galle Cheese Company. Drilled unused water-table well in sandstone of Cambrian age, diam 5 in, reported depth 75 ft, cased to 54. Lsd about 780 ft above msl. MP top of casing, 6.00 ft below lsd. Highest water level 32.16 below lsd, May 17, 1966; lowest 35.36 below lsd, Sept. 13, 1961. Records available: 1956-66.

Mar. 22, 1962	34.24	Sept. 24, 1963	33.46	Mar. 16, 1965	34.59	July 13, 1966	32.80
June 19	33.45	Dec. 17	33.02	June 15	34.36	Sept. 5	33.61
Sept. 11	32.97	Mar. 17, 1964	33.95	Sept. 14	34.13	Oct. 26	33.48
Dec. 11	33.36	June 9	34.31	Dec. 7	32.93	Nov. 28	33.52
Mar. 19, 1963	33.29	Sept. 15	34.32	Mar. 9, 1966	33.98	Dec. 22	33.40
June 11	33.59	Nov. 17	34.44	May 17	32.16		

Eau Claire County

444106N0910832.1. Local number EC-26/6W/32-13. Eau Claire County. Driven unused water-table well in alluvium, diam 1½ in, depth 26 ft, cased to 24, well point 24-26. Lsd 955 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 10.86 below lsd, Apr. 26, 1956; lowest 14.98 below lsd, Nov. 29, 1951. Records available: 1951-66.

Mar. 22, 1962	13.74	Sept. 25, 1963	13.22	Mar. 17, 1965	12.84	May 16, 1966	11.27
June 20	12.06	Dec. 18	13.84	June 16	11.21	July 12	12.63
Sept. 13	13.07	Mar. 18, 1964	13.94	Sept. 15	12.92	Sept. 5	13.06
Dec. 12	13.49	June 10	13.99	Dec. 8	13.26	Nov. 23	12.94
Mar. 20, 1963	13.66	Sept. 16	13.81	Mar. 8, 1966	11.42	Dec. 21	13.18
June 12	12.63	Nov. 18	13.79				

444744N0912656.1. Local number EC-27/9W/27-37. Joseph Estrene. Drilled public-supply water-table well in sandstone of Cambrian age, diam 5 in, depth 101 ft, cased to 54. Lsd 882 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 74.67 below lsd, Apr. 19, 1957; lowest 78.84 below lsd, Sept. 12, 1960. Records available: 1956-66.

Mar. 22, 1962	77.50	Sept. 25, 1963	77.61	Mar. 17, 1965	77.76	July 12, 1966	77.02
June 20	77.70	Dec. 18	76.72	June 16	78.24	Sept. 5	77.31
Sept. 12	78.34	Mar. 18, 1964	76.88	Sept. 15	77.39	Oct. 25	76.58
Dec. 12	77.63	June 10	77.04	Dec. 8	76.76	Nov. 23	76.24
Mar. 20, 1963	76.53	Sept. 16	78.43	Mar. 9, 1966	76.33	Dec. 21	76.29
June 12	77.24	Nov. 18	77.96	May 16	76.13		

Fond du Lac County

434725N0882556.1. Local number FL-15/17/11-12. City of Fond du Lac. Drilled unused artesian well in sandstone of Cambrian age and St. Peter Sandstone of Middle Ordovician age, diam 4 in, reported depth 817 ft, cased to 127. Lsd 753 ft above msl. MP top of casing, at lsd. Highest water level 54.15 below lsd, Feb. 4, 1962; lowest 72.36 below lsd, July 30, 1965. Records available: 1953-66. Affected primarily by pumping of nearby municipal wells.

434725N0882556.1--Continued.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	57.86	e55.00	56.47	57.99	59.58	60.46	61.17	61.42	63.86	63.40	62.73	e63.65
10	56.13	57.99	58.43	57.50	61.80	60.05	62.25	64.99	63.92	64.71	64.51	61.95
15	56.68	56.80	58.37	55.77	61.03	64.21	62.14	64.88	63.52	63.06	64.48	62.48
20	56.32	56.47	58.28	58.28	60.62	63.23	64.23	63.78	63.57	63.90	63.18	62.80
25	56.43	56.43	58.18	57.36	61.89	62.28	64.22	65.32	63.18	61.92	61.26	59.82
Eom	57.85	57.85	57.38	58.48	59.88	64.03	63.51	64.83	62.98	62.08	64.03	60.80

1963

5	60.55	.....	.....	.....	64.64	66.79	68.47	69.60	69.87	69.63	.....	68.76
10	62.03	.....	.....	.....	66.01	66.89	69.81	70.44	69.65	70.37	68.65	67.86
15	.....	.....	.....	.....	66.31	68.02	69.55	70.61	68.37	70.03	69.59	67.05
20	.....	.....	.....	65.76	66.06	68.40	69.99	70.29	70.07	69.48	69.35	68.06
25	.....	.....	.....	66.17	67.04	68.70	70.50	69.70	69.91	69.38	68.27	67.13
Eom	.....	.....	.....	65.78	65.96	68.48	70.37	70.26	69.28	69.77	67.26	67.20

1964

5	65.81	67.48	66.49	67.87	68.31	69.62	70.00	71.83	70.80	69.40	.....	68.59
10	68.00	65.57	67.82	68.57	67.72	70.06	70.33	71.00	70.40	69.31	68.95	68.61
15	67.67	66.99	66.62	67.78	69.10	70.03	70.48	71.41	69.94	69.77	68.48	68.43
20	67.17	67.73	67.88	67.27	68.63	70.27	70.43	71.47	68.90	69.53	68.99	67.48
25	66.13	67.22	67.73	66.93	68.80	70.76	70.63	70.59	70.11	.....	62.68	67.46
Eom	67.71	67.17	68.89	69.00	67.89	71.76	71.01	69.90	69.94	.....	68.20	68.34

1965

5	67.89	68.55	.....	.....	68.85	69.64	71.33	71.87	71.58	.....	.....	68.02
10	67.12	68.67	.....	.....	68.60	70.18	71.36	71.72	71.45	70.53	69.94	68.78
15	68.10	68.43	.....	68.14	69.17	70.69	71.98	71.71	70.99	70.53	69.18	68.27
20	68.02	67.92	.....	.....	69.42	71.51	71.49	71.89	70.84	70.51	69.60	68.02
25	67.26	68.88	.....	.....	69.14	71.46	71.78	71.61	70.01	70.43	69.12	68.30
Eom	67.40	68.18	.....	.....	68.63	71.61	72.08	71.39	70.61	.....	68.87	68.16

1966

5	67.87	67.15	66.20	.....	66.67	67.44	68.31	68.63	68.48	69.06	.....	68.00
10	.....	66.04	66.69	65.60	66.73	67.56	68.75	68.13	69.37	68.72	68.68	.....
15	.....	66.55	66.40	66.76	65.90	66.72	68.69	67.95	69.24	69.17	68.50	68.32
20	.....	65.90	65.26	66.47	66.88	66.71	69.13	68.73	69.07	68.90	68.66	68.12
25	.....	66.57	66.63	66.31	67.00	67.67	69.32	68.44	69.11	68.88	67.95	67.83
Eom	.....	66.03	66.24	66.70	66.91	68.21	68.64	69.09	69.20	68.09	68.14	68.23

e Estimated.

435513N0881616.1. Local number FL-17/19/30-19. John Steffin. Drilled stock artesian well in St. Peter Sandstone of Middle Ordovician age, diam 6 to 4 in, reported depth 695 ft, cased to 590. Lsd 895 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 132.75 below lsd, Jan. 8, 1948; lowest 156.11 below lsd, June 1, 1966. Records available: 1948-66. Affected by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 7, 1962	150.40	Aug. 7, 1963	152.81	Feb. 3, 1965	152.94	June 1, 1966	156.11
May 9	150.26	Nov. 6	152.47	May 5	153.04	Aug. 3	154.27
Aug. 1	151.28	Feb. 5, 1964	151.57	Aug. 4	153.46	Oct. 5	154.07
Oct. 31	151.32	May 6	155.03	Nov. 8	155.08	Nov. 9	153.62
Feb. 6, 1963	151.05	Aug. 5	154.56	Feb. 2, 1966	154.64	Dec. 14	153.81
May 1	151.23	Nov. 4	153.19	Apr. 6	154.07		

434658N0881907.1. Local number FL-15/18/11-300. City of Fond du Lac. Drilled observation artesian well in Niagara Dolomite of Silurian age, diam 8 to 6 in, depth 135 ft, cased to 16. Lsd 995 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 2.03 below lsd, Sept. 6, 1956; lowest 11.25 below lsd, Sept. 8, 1959. Records available: 1956-66.

Jan. 4, 1962	3.86	Aug. 7, 1963	7.24	Oct. 6, 1964	6.34	Feb. 2, 1966	4.70
May 9	2.98	Oct. 15	8.96	Feb. 3, 1965	7.72	Apr. 6	3.08
Aug. 1	5.81	Feb. 5, 1964	7.83	Apr. 15	5.04	June 1	4.71
Oct. 31	5.39	May 6	5.42	July 1	7.16	Aug. 3	6.65
Feb. 6, 1963	6.38	Aug. 5	6.74	Nov. 8	4.38	Oct. 6	8.33
May 1	5.05						

## Forest County

460156N0884749.1. Local number Fr-41/14/18-2. Wisconsin State Highway Comm. Wisconsin-Michigan Power Co. Brule River Profile well 5. Driven observation water-table well in sand and gravel of Pleistocene age, diam 1 1/2 in, depth 18 ft, well point 15-18. Lsd 1,551.69 ft above msl. MP top of casing, 1.70 ft above lsd. Highest water level 7.96 below lsd, Apr. 29, 1954; lowest 11.88 below lsd, May 16, 1949. Records available: 1949-66.

Jan. 30, 1962	10.58	Apr. 1, 1963	10.49	Apr. 30, 1964	10.63	Apr. 29, 1965	8.79
Mar. 1	10.27	May 2	11.13	June 2	10.72	June 1	9.91
28	10.52	June 1	10.90	July 1	11.38	July 1	11.04
Apr. 30	9.37	July 1	11.06	30	11.58	30	11.47
May 31	10.46	Aug. 1	11.38	Aug. 31	11.20	Sept. 1	11.54
July 2	11.22	30	11.46	Oct. 2	10.47	30	11.19
31	11.22	Oct. 2	11.72	30	11.42	Nov. 1	10.94
Aug. 30	10.97	30	11.58	Nov. 30	11.26	29	10.75
Oct. 1	11.27	Dec. 2	11.45	Dec. 29	10.95	Dec. 29	10.28
31	11.36	Jan. 3, 1964	11.16	Feb. 2, 1965	10.65	Feb. 1, 1966	10.83
Nov. 29	11.43	31	10.84	Mar. 2	10.22	28	10.79
Jan. 30, 1963	10.88	Feb. 28	10.69	Apr. 3	10.12	Apr. 5	10.52
Feb. 27	10.51	Mar. 31	10.56				

Grant County

425551N0903913.1. Local number Gr-5/2W/6-5. Ralph Shackelford. Formerly Oscar Gilbertson. Drilled unused water-table well in dolomite of Prairie du Chien Group of Early Ordovician age, diam 5 in, depth 35 ft, cased to 5. Led 980 ft above msl. MP edge of pumpbase, 0.50 ft above lsd. Highest water level 8.90 below lsd, July 16, 1947; lowest 19.03 below lsd, Aug. 17, 1965. Records available: 1946-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1962	11.29	Aug. 22, 1963	16.53	Feb. 11, 1965	18.39	June 9, 1966	14.78
June 14	9.87	Oct. 31	15.98	May 13	17.59	Aug. 11	14.55
Aug. 16	11.01	Feb. 17, 1964	16.76	Aug. 17	19.03	Oct. 19	15.10
Nov. 15	12.41	May 14	16.69	Nov. 15	16.87	Nov. 16	15.34
Feb. 13, 1963	12.85	Aug. 11	17.98	Feb. 9, 1966	14.54	Dec. 14	16.21
May 9	14.71	Nov. 12	18.65	Apr. 13	14.16		

Green County

423815N0894042.1. Local number Gn-2/7/21-1. Charles Segner. Drilled unused water-table well in Platteville Formation of Middle Ordovician age, diam 6 in, depth 75 ft. Led 995 ft above msl. MP top of casing, 4.50 ft above lsd. Highest water level 47.96 below lsd, Apr. 13, 1966; lowest 69.72 below lsd, Feb. 17, 1964. Records available: 1946-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1962	56.99	Aug. 22, 1963	67.03	Feb. 11, 1965	68.02	June 9, 1966	57.69
June 14	56.82	Oct. 31	68.04	May 13	59.59	Aug. 11	60.02
Aug. 15	58.78	Feb. 17, 1964	69.72	Aug. 17	63.89	Oct. 17	61.84
Nov. 15	61.99	May 14	63.74	Nov. 15	57.77	Nov. 14	63.62
Feb. 13, 1963	63.93	Aug. 11	63.68	Feb. 9, 1966	55.54	Dec. 22	62.53
May 9	62.64	Nov. 12	68.87	Apr. 13	47.96		

Iowa County

425644N0901019.1. Local number Iw-6/3/32-32. Archie Lee. Formerly North Survey School. Drilled unused artesian well in Galena Dolomite of Middle Ordovician age, diam 6 in, depth 92 ft. Led 1,200 ft above msl. MP  $\frac{1}{4}$ -in hole in pumpbase, at lsd (since Nov. 13, 1964). Highest water level 39.40 below lsd, May 17, 1960; lowest 68.81 below lsd, Aug. 18, 1965. Records available: 1957-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 16, 1962	57.16	Aug. 23, 1963	62.31	Feb. 12, 1965	67.09	June 10, 1966	59.21
June 15	55.58	Nov. 1	62.81	May 14	65.99	Aug. 11	60.20
Aug. 16	56.61	Feb. 18, 1964	63.26	Aug. 18	68.81	Oct. 18	61.19
Nov. 16	58.48	May 15	64.53	Nov. 16	64.06	Nov. 17	61.50
Feb. 14, 1963	60.99	Aug. 12	66.01	Feb. 10, 1966	61.37	Dec. 16	64.61
May 10	60.47	Nov. 13	67.55	Apr. 14	58.54		

Jackson County

441051N0904709.1. Local number Ja-20/3W/30-5. Henry Lange. Drilled unused artesian well in sandstone of Cambrian age, diam 10 in, depth 190 ft, cased to 54. Led 845 ft above msl. MP hole in pumpbase, at lsd. Highest water level 16.99 below lsd, Oct. 21, 1954; lowest 22.60 below lsd, Dec. 19, 1958. Records available: 1953-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 23, 1962	19.89	Sept. 27, 1963	19.98	Mar. 19, 1965	20.04	July 15, 1966	18.78
June 22	18.23	Dec. 20	20.33	June 18	18.37	Sept. 7	18.52
Sept. 14	17.60	Mar. 20, 1964	20.73	Sept. 17	19.09	Oct. 25	20.84
Dec. 14	18.97	June 12	19.26	Dec. 10	18.16	Nov. 23	20.69
Mar. 22, 1963	19.98	Sept. 18	19.61	Mar. 11, 1966	18.46	Dec. 21	20.96
June 14	19.03	Nov. 20	19.58	May 19	18.07		

Jefferson County

430213N0884722.1. Local number Je-7/14/25-9. Ladish Malting Co. Drilled industrial artesian well in sandstone of Cambrian age, diam 8 in, reported depth 716 ft, cased to 326. Led 813 ft above msl. MP pumpbase, 2.10 ft above lsd. Highest water level 15.16 below lsd, Feb. 28, 1949; lowest 50.65 below lsd, May 28, 1958. Records available: 1946-66. Fluctuation caused primarily by local pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 2, 1962	38.06	July 25, 1963	33.75	Sept. 24, 1965	47.44	May 27, 1966	36.01
May 25	34.93	Oct. 10	36.68	Oct. 29	45.35	July 22	22.91
Aug. 24	25.12	Jan. 23, 1964	34.66	Dec. 22	41.39	Sept. 22	37.09
Oct. 26	32.33	Mar. 26, 1965	39.46	Jan. 26, 1966	43.71	Oct. 24	37.10
Jan. 24, 1963	33.24	Aug. 27	46.97	Mar. 25	37.53	Dec. 2	35.40
Apr. 25	33.41						

Juneau County

435538N0901612.1. Local number Ju-17/2/21-8. Camp Douglas. Drilled unused water-table well in sandstone of Cambrian age, diam 4 in, depth 64 ft. Led 920 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 3.48 below lsd, Nov. 30, 1965; lowest 10.39 below lsd, Dec. 15, 1958. Records available: 1949-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27, 1962	7.86	Mar. 24, 1964	9.70	Aug. 28, 1964	8.17	Nov. 30, 1965	3.48
June 12	5.99	Apr. 2	9.76	Sept. 2	8.20	Mar. 14, 1966	4.57
Sept. 5	5.83	9	9.78	Nov. 18	8.43	May 17	4.48
Dec. 4	7.02	17	9.78	Dec. 22	8.88	July 27	5.08
Mar. 7, 1963	8.23	May 6	9.19	Mar. 10, 1965	9.47	Oct. 24	6.93
June 18	7.55	June 8	8.39	June 8	7.07	Nov. 22	7.48
Sept. 24	7.94	12	8.39	Sept. 23	3.98	Dec. 21	7.87
Dec. 19	8.73	July 21	8.23				

Kenosha County

423611N0875300.1. Local number Ke-2/22/27-4. Sunset Ridge Memorial Park. Drilled domestic and irrigation water-table well in Niagara Dolomite of Silurian age, diam 6 in, reported depth 190 ft. Lsd 730 ft above msl. MP top of casing, 7.00 ft below lsd. Highest water level 73.70 below lsd, Apr. 16, 1952; lowest 92.52 below lsd, Aug. 30, 1963. Records available: 1946-66. Affected by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 2, 1962	82.83	Apr. 3, 1963	87.70	Aug. 28, 1964	90.19	Feb. 23, 1966	83.10
May 25	82.56	May 29	89.13	Nov. 25	89.66	Apr. 27	86.06
July 30	85.10	Aug. 30	92.52	Feb. 26, 1965	87.93	June 24	91.17
Aug. 24	89.26	Nov. 14	90.17	May 28	87.66	Aug. 25	88.88
Nov. 30	86.64	Feb. 28, 1964	88.38	Aug. 27	90.06	Oct. 28	89.12
Feb. 28, 1963	86.97	May 28	88.92	Nov. 24	89.81	Nov. 30	87.38

423907N0875217.1. Local number Ke-2/22/11-6. Kenosha County. Drilled irrigation artesian well in sandstone of Cambrian age, diam 10 to 8 in, reported depth 1,751 ft, cased to 492. Lsd 639 ft above msl. MP top of casing, 0.80 ft above lsd. Highest water level 21.10 below lsd, Dec. 3, 1947; lowest 88.76 below lsd, Oct. 28, 1966. Records available: 1946-66. Affected by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 2, 1962	72.69	May 29, 1963	76.22	Aug. 27, 1964	79.86	Feb. 25, 1966	83.44
May 25	72.16	Aug. 30	79.77	Nov. 25	81.09	June 24	86.84
July 30	74.36	Oct. 16	79.18	Feb. 26, 1965	81.17	Aug. 25	87.14
Aug. 24	74.50	Nov. 27	81.19	May 28	84.96	Oct. 28	88.76
Nov. 30	74.61	Feb. 28, 1964	78.22	Aug. 27	83.08	Dec. 1	88.28
Feb. 28, 1963	75.63	May 28	79.66	Nov. 24	83.31		

Lafayette County

424207N0895116.1. Local number Lf-3/5/25-1. Ernest J. Legier. Drilled unused water-table well in Prairie du Chien Group of Early Ordovician age, diam 6 in, depth 55 ft. Lsd 820 ft above msl. MP bent edge of casing, 0.50 ft above lsd. Highest water level 16.00 below lsd, June 15, 1947; lowest 24.17 below lsd, Dec. 16, 1966. Records available: 1946-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1962	22.43	Aug. 22, 1963	23.59	Feb. 11, 1965	22.09	June 9, 1966	22.76
June 14	22.77	Oct. 31	23.52	May 13	21.80	Aug. 11	23.09
Aug. 15	22.95	Feb. 17, 1964	23.45	Aug. 17	24.11	Oct. 17	24.10
Nov. 15	23.06	May 14	22.86	Nov. 15	22.74	Nov. 14	23.15
Feb. 13, 1963	23.17	Aug. 11	23.54	Feb. 9, 1966	20.67	Dec. 16	24.17
May 9	23.08	Nov. 12	23.56	Apr. 13	23.40		

423114N0901611.1. Local number Lf-1/2/33-57. Coulthard Estate. Shullsburg. Drilled unused artesian well in Galena Dolomite and Plattville Formation of Middle Ordovician age, diam 10 in, reported depth 265 ft, cased to 16. Lsd 1,000 ft above msl. MP top of casing, 3.00 ft above lsd. Highest water level 63.67 below lsd, Apr. 29, 1952; lowest 130.99 below lsd, Nov. 6, 1959. Records available: 1952-66. Affected by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1962	110.81	Aug. 22, 1963	110.42	Feb. 11, 1965	118.02	June 9, 1966	116.46
June 14	105.48	Oct. 31	110.96	May 13	120.83	Aug. 11	115.34
Aug. 15	105.03	Feb. 17, 1964	112.43	Aug. 17	118.77	Oct. 18	114.29
Nov. 15	106.09	May 14	113.37	Nov. 15	117.98	Nov. 15	114.00
Feb. 13, 1963	107.64	Aug. 11	114.35	Feb. 9, 1966	117.72	Dec. 16	114.94
May 9	108.95	Nov. 12	116.09	Apr. 13	117.57		

424622N0895857.1. Local number Lf-4/4/35-78. Wisconsin Conservation Dept. Drilled unused artesian well in St. Peter Sandstone of Middle Ordovician age, diam 6 in, depth 29 ft, cased to 4. Lsd 850 ft above msl. MP top of casing, at lsd. Highest water level 4.78 below lsd, Apr. 7, 1959; lowest 19.81 below lsd, Mar. 3, 1959. Records available: 1953-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1962	12.90	Apr. 2, 1963	12.02	Aug. 4, 1964	15.14	Nov. 2, 1965	13.31
Feb. 6	13.60	May 7	15.38	Sept. 1	15.90	Dec. 7	15.04
Mar. 6	13.65	June 4	15.66	Oct. 6	16.47	Jan. 4, 1966	14.94
Apr. 3	13.09	July 2	16.01	Nov. 3	17.32	Feb. 1	14.99
May 1	13.86	Aug. 6	16.09	Dec. 2	14.63	Mar. 1	14.98
June 5	13.36	Sept. 3	16.13	Jan. 5, 1965	14.98	Apr. 5	14.95
July 3	13.29	Oct. 1	16.15	Feb. 2	14.51	May 3	14.94
Aug. 7	13.37	Nov. 5	16.13	Mar. 2	13.96	June 7	14.94
Sept. 4	13.64	Jan. 7, 1964	17.04	Apr. 6	12.29	July 5	14.91
Oct. 2	13.50	Feb. 4	17.34	May 4	13.55	Aug. 2	14.94
Nov. 6	14.18	Mar. 3	17.34	June 1	13.69	Sept. 6	14.97
Dec. 4	14.82	Apr. 7	12.92	July 6	13.77	Oct. 4	14.99
Jan. 8, 1963	15.53	May 5	12.95	Aug. 3	13.73	Nov. 1	14.98
Feb. 5	15.61	June 2	13.54	Sept. 7	13.45	Dec. 6	14.94
Mar. 5	15.56	July 7	14.42	Oct. 5	14.55		

423029N0901256.1. Local number Lf-1/2/35-121. Arthur Hancock. Drilled unused artesian well in Galena Dolomite of Middle Ordovician age, diam 6 in, depth 237 ft, cased to 20. Lsd 1,030 ft above msl. MP top south side of casing, 1.00 ft above lsd. Highest water level 58.14 below lsd, June 14, 1962; lowest 78.72 below lsd, Apr. 14, 1957. Records available: 1953-66. Recording gage reinstalled April 1965.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 15, 1962	60.86	Nov. 15, 1962	63.13	Aug. 22, 1963	70.02	May 14, 1964	74.39
June 14	58.14	Jan. 13, 1963	66.36	Oct. 31	71.66	Aug. 11	73.13
Aug. 15	60.20	May 9	67.57	Feb. 17, 1964	74.11	Nov. 12	75.04

Lowest water level for the day, from recorder graph, 1965

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
5	.....	.....	.....	.....	77.10	76.51	76.90	.....	78.30	75.66	.....	72.94	
10	.....	.....	.....	.....	77.00	76.69	76.93	.....	77.94	74.96	.....	73.06	
15	.....	.....	.....	.....	76.64	76.77	77.05	.....	77.28	74.75	73.10	72.62	
20	.....	.....	.....	.....	77.59	76.96	76.43	77.21	77.84	76.94	74.38	73.15	72.17
25	.....	.....	.....	.....	77.42	76.63	76.85	77.12	77.66	76.27	74.29	73.16	72.65
Eom	.....	.....	.....	.....	77.35	76.64	76.93	77.30	77.83	75.54	74.29	73.40	71.74

423029N0901256.1--Continued.

1966												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	71.52	70.57	69.76	68.64	68.32	67.25	66.75	67.11	67.94	69.34	70.66	71.42
10	71.44	70.11	70.16	68.85	68.38	67.35	66.89	67.13	68.30	69.15	70.71	71.94
15	71.12	70.37	70.07	68.84	67.86	66.96	67.18	67.28	68.52	69.58	71.25	71.85
20	71.03	70.78	70.05	68.34	67.58	66.98	67.13	67.65	68.58	69.80	71.12	71.65
25	70.78	70.11	69.73	68.48	67.61	66.92	67.07	67.75	68.77	70.37	70.90	72.29
Eom	70.45	69.79	68.87	68.40	67.55	66.89	67.11	67.96	68.82	70.21	71.34	72.11

Langlade County

450942N0890853.1. Local number La-31/11/20-118. Wisconsin Public Service Corp. Driven observation water-table well in sand of Pleistocene age, diam 1½ in, depth 21 ft, cased to 19, well point 19-21. Lsd 1,510.45 ft above msl. MP top of casing, 2.50 ft above lsd (since May 18, 1962). Highest water level 6.38 below lsd, May 15, 1960; lowest 13.84 below lsd, Feb. 28, 1949. Records available: 1942-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1962	11.29	Jan. 31, 1963	11.26	Sept. 11, 1964	11.86	Feb. 17, 1966	10.24
19	11.35	May 16	10.11	Dec. 10	12.06	Apr. 22	9.07
Mar. 6	12.50	Aug. 15	11.34	Feb. 19, 1965	12.81	June 20	9.63
May 18	8.06	Nov. 22	11.94	May 18	10.38	Aug. 18	10.58
July 19	9.32	Feb. 19, 1964	12.73	Aug. 20	10.71	Oct. 25	11.62
Nov. 9	10.30	May 21	11.13	Nov. 18	10.53	Dec. 6	12.13

Lincoln County

452318N0894025.1. Local number Ln-34/6/36-25a. U.S. Geol. Survey. Driven observation water-table well in deposit of Pleistocene age, diam 1½ in, depth 22 ft, cased to 20, well point 20-22. Lsd 1,435 ft above msl. MP top of pipe, 3.00 ft above lsd. Highest water level 6.38 below lsd, May 15, 1960; lowest 10.09 below lsd, Sept. 9, 1963. Records available: 1955-66.

Jan. 28, 1962	8.91	Apr. 8, 1963	8.18	July 26, 1964	9.37	Oct. 25, 1965	8.52
Feb. 25	9.04	May 12	8.00	Aug. 17	9.90	Nov. 7	8.73
Mar. 4	9.02	June 30	8.90	Sept. 7	9.52	Dec. 6	8.35
Apr. 1	8.20	July 29	9.69	Oct. 26	8.88	Jan. 30, 1966	8.69
May 7	7.73	Aug. 26	10.01	Nov. 1	8.93	Feb. 6	8.80
June 25	8.34	Sept. 9	10.09	Dec. 6	8.79	Mar. 15	8.29
July 29	8.99	Oct. 14	9.78	Jan. 31, 1965	9.12	Apr. 3	7.98
Aug. 21	9.29	Nov. 10	9.69	Feb. 28	9.49	May 30	8.19
Sept. 3	8.56	Dec. 30	9.84	Mar. 29	9.16	June 27	8.29
Oct. 29	8.32	Jan. 19, 1964	9.85	Apr. 5	9.09	July 25	9.18
Nov. 26	8.63	Feb. 23	9.87	May 4	7.99	Aug. 1	9.37
Dec. 30	8.92	Mar. 1	9.87	June 21	8.24	Sept. 12	9.40
Jan. 27, 1963	9.14	Apr. 5	9.19	July 25	8.68	Oct. 23	9.23
Feb. 25	9.29	May 3	8.46	Aug. 23	9.21	Nov. 20	9.09
Mar. 3	9.22	June 29	8.93	Sept. 6	9.19	Dec. 4	9.00

Marathon County

444114N0900825.1. Local number Mr-26/3/33-7. City of Marshfield. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 7 in, reported depth 49 ft, cased to 30, screened 30-49. Lsd 1,190 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 16.92 below lsd, June 12, 1950; lowest 34.85 below lsd, Aug. 6, 1960. Records available: 1950-66. Affected primarily by pumping of nearby municipal wells.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	32.44	.....	32.00	32.30	32.64	32.30	.....	30.84	30.02	29.76	29.50
10	.....	32.55	.....	32.61	.....	32.43	32.32	.....	30.58	29.91	29.78	.....
15	32.49	32.51	.....	32.41	.....	.....	.....	31.72	30.54	29.79	.....	.....
20	.....	32.50	.....	32.40	.....	.....	32.19	31.61	30.40	30.02	.....	29.46
25	32.44	.....	.....	32.19	32.78	.....	32.08	31.47	30.21	.....	.....	.....
Eom	32.49	.....	32.31	32.22	32.74	32.25	.....	31.06	30.12	29.84	.....	.....
1963												
5	29.11	28.69	.....	28.83	.....	28.97	28.96	.....	.....	.....	.....	.....
10	29.12	.....	.....	28.98	29.49	29.11	.....	29.26	29.11	29.13	29.27	.....
15	29.02	28.78	.....	28.86	29.79	29.17	28.90	.....	.....	29.19	.....	.....
20	.....	28.45	.....	.....	29.68	29.07	.....	29.15	29.05	.....	h29.27	28.43
25	29.18	28.50	.....	28.97	29.97	.....	29.10	29.17	29.18	29.25	.....	28.27
Eom	29.00	28.61	.....	29.13	29.16	29.06	.....	29.17	.....	.....	.....	28.15
1964												
5	27.97	27.40	27.09	.....	27.49	28.13	28.38	.....	28.87	28.85	28.64	.....
10	.....	27.36	26.98	27.59	27.65	28.28	28.45	.....	28.53	28.92	28.61	28.88
15	.....	27.24	27.16	27.64	27.56	28.16	28.48	.....	28.77	28.83	28.72	28.91
20	27.75	27.25	.....	27.71	28.10	28.32	28.46	.....	28.68	28.77	28.58	28.96
25	27.62	27.26	.....	27.92	.....	28.34	28.61	.....	.....	28.87	28.67	28.98
Eom	27.52	27.12	.....	27.69	.....	28.31	28.44	.....	28.72	28.73	28.54	.....

444114N0900825.1--Continued.

1965												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	29.02	29.32	29.96	30.62	31.01	.....	.....	.....	33.65	34.14	34.04	34.21
10	29.04	29.56	30.11	30.55	31.19	.....	.....	.....	33.80	34.37	34.00	34.22
15	.....	29.70	30.26	30.77	31.11	.....	.....	.....	34.01	34.56	33.93	33.75
20	.....	29.61	30.25	30.88	31.30	.....	.....	33.54	33.89	34.51	34.09	33.83
25	.....	.....	30.42	30.71	31.23	.....	.....	33.52	33.71	34.23	34.30	34.28
Eom	.....	.....	30.49	30.97	31.30	.....	.....	33.57	33.01	34.15	34.69	33.81
1966												
5	33.91	.....	.....	.....	.....	.....	.....	.....	33.14	.....	33.06	.....
10	33.74	.....	.....	.....	.....	.....	.....	.....	32.98	.....	32.94	.....
15	33.47	.....	.....	.....	.....	.....	h32.00	.....	33.10	.....	33.07	.....
20	.....	.....	.....	.....	.....	.....	.....	.....	33.03	33.10	33.04	.....
25	.....	.....	.....	.....	.....	.....	.....	.....	32.96	33.05	33.01	.....
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	32.99	.....	.....

h Tape measurement.

444709N0892653.1. Local number Mr-27/9/31-28. U.S. Geol. Survey. Driven observation water-table well in sand and gravel of Pleistocene age, diam 1½ in, depth 27 ft, cased to 25, well point 25-27. Lsd 1,229 ft above msl. MP top of pipe, 0.80 ft above lsd. Highest water level 17.30 below lsd, Sept. 10, 1945; lowest 28.09 below lsd, Mar. 30, 1959. Records available: 1944-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1962	21.06	Apr. 30, 1963	20.03	July 28, 1964	22.65	Oct. 5, 1965	19.99
Feb. 20	21.12	May 28	20.15	Aug. 25	22.80	Nov. 2	19.65
Mar. 27	21.50	June 25	20.31	Sept. 1	22.83	Dec. 7	19.31
Apr. 3	20.96	July 30	20.49	Oct. 6	21.92	Jan. 4, 1966	18.82
May 1	20.26	Aug. 27	20.63	Nov. 3	21.58	Feb. 1	18.61
June 5	20.02	Sept. 24	20.78	Dec. 29	21.46	Mar. 1	18.31
July 3	19.78	Oct. 28	20.97	Jan. 26, 1965	21.58	Apr. 12	17.52
Aug. 21	19.65	Nov. 27	21.17	Feb. 23	21.78	May 3	17.50
Sept. 11	19.59	Dec. 31	21.40	Mar. 9	21.79	June 28	17.42
Oct. 23	19.61	Jan. 7, 1964	21.96	Apr. 13	21.33	July 26	17.47
Nov. 27	19.70	Feb. 25	21.85	May 4	21.08	Aug. 30	17.63
Dec. 26	19.79	Mar. 31	21.99	June 1	20.88	Sept. 27	17.77
Jan. 22, 1963	19.90	Apr. 28	22.11	July 6	20.66	Oct. 25	17.99
Feb. 26	20.16	May 26	22.26	Aug. 2	20.48	Nov. 29	18.17
Mar. 18	20.37	June 30	22.47	Sept. 7	20.30	Dec. 27	18.52

## Marinette County

450327N0874432.1. Local number Mt-30/23/19-5. City of Peshtigo. Drilled unused artesian well in sandstone of Cambrian age and St. Peter Sandstone of Middle Ordovician age, diam 5 in, depth 703 ft, cased to 31. Lsd 610 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 11.00 below lsd, May 4, 1964; lowest 28.25 below lsd, Aug. 20, 1955. Records available: 1947-66. Affected by pumping of nearby wells.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	18.62	17.99	17.90	16.31	16.50	21.61	18.55	23.24	22.60	24.60	18.77	18.71
10	18.97	18.86	18.73	15.70	16.83	22.66	22.48	23.80	22.36	22.60	19.01	17.86
15	18.17	18.74	17.36	16.20	18.38	22.83	23.48	23.41	24.05	22.81	19.03	.....
20	19.18	18.46	16.50	16.57	21.18	22.20	23.93	22.79	24.20	24.84	18.59	18.57
25	19.22	18.83	16.78	16.36	22.27	20.77	23.33	24.20	.....	.....	19.03	16.88
Eom	18.88	18.79	15.73	15.52	22.40	22.82	22.60	24.50	24.21	20.50	19.01	18.22

## 1963

5	.....	18.24	18.41	18.17	18.13	23.97	22.51	25.26	24.83	25.20	25.53	20.40
10	17.99	18.41	18.94	18.18	22.13	22.50	24.81	25.82	25.68	25.41	25.26	20.04
15	17.89	18.59	19.20	17.40	22.47	24.65	23.27	25.42	25.68	25.94	21.87	19.66
20	18.18	18.96	18.93	18.21	21.36	24.15	23.94	26.14	25.53	25.43	21.17	23.74
25	18.89	18.29	17.80	18.22	23.15	24.28	24.78	25.77	24.79	25.65	20.76	19.43
Eom	18.40	18.91	18.22	18.10	23.40	24.94	24.31	25.92	25.23	25.86	20.22	19.71

## 1964

5	19.08	19.58	20.65	.....	11.15	16.60	.....	15.91	17.16	16.66	17.91	14.61
10	19.59	19.61	20.22	13.00	11.10	15.89	.....	14.87	16.53	17.20	18.01	14.81
15	19.46	19.39	20.14	12.71	13.29	15.19	17.74	16.67	17.50	17.46	17.86	14.66
20	20.03	20.30	20.51	12.45	14.53	16.60	17.27	16.87	17.10	17.55	.....	.....
25	19.40	19.99	20.21	12.31	13.87	16.88	.....	16.37	17.36	17.58	15.58	13.72
Eom	19.32	20.26	13.41	11.84	15.65	17.64	16.35	15.90	17.15	17.66	14.62	14.64

## 1965

5	14.41	14.84	.....	13.59	13.00	15.98	15.08	18.80	19.06	14.93	14.65	.....
10	14.10	14.60	14.39	13.48	12.75	16.80	17.75	18.48	19.07	14.84	14.41	13.79
15	14.34	14.16	13.83	12.72	15.52	17.07	18.40	19.23	19.31	14.97	13.83	13.31
20	14.46	14.44	14.32	12.61	14.78	.....	18.35	20.11	18.39	14.61	14.11	13.18
25	14.18	.....	14.32	12.96	15.68	17.80	17.17	19.48	18.50	14.41	.....	13.28
Eom	.....	.....	14.22	12.92	14.98	.....	.....	18.80	16.28	14.82	13.52	13.53

## 1966

5	13.24	14.46	14.24	13.97	14.20	14.07	14.51	16.20	15.61	16.51	16.01	16.08
10	13.90	13.83	14.52	13.66	14.38	14.28	16.08	15.99	16.20	16.54	16.58	15.56
15	14.32	13.79	14.12	14.24	14.47	14.77	15.50	15.38	16.67	16.31	16.01	15.40
20	14.96	.....	.....	13.90	14.18	15.00	15.80	16.04	16.49	15.87	16.48	15.02
25	14.63	14.07	13.51	13.88	14.22	16.35	15.99	15.92	16.45	16.24	16.14	14.90
Eom	14.16	13.90	13.73	14.00	15.11	16.17	16.12	16.69	16.52	16.01	15.55	15.17

453816N0875901.1. Local number Mt-37/20/34-7. Wisconsin Conservation Dept. Drilled unused water-table well in deposits of Pleistocene age, diam 8 in, depth 33 ft. Lsd 980 ft above msl. MP pointer on float gage, 4.00 ft above lsd. Highest water level 18.01 below lsd, May 17, 1960; lowest 23.26 below lsd, Nov. 2, 1943. Records available: 1939-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1962	21.62	Apr. 30, 1963	21.58	July 28, 1964	22.17	Oct. 26, 1965	20.58
Feb. 27	21.70	May 7	21.60	Aug. 4	21.87	Nov. 9	20.69
Mar. 13	21.74	June 4	21.39	Sept. 8	21.94	Dec. 7	20.35
Apr. 3	21.28	July 30	21.62	Oct. 27	21.69	Jan. 25, 1966	20.35
May 1	20.38	Aug. 27	21.90	Nov. 3	21.76	Feb. 8	20.49
June 5	20.92	Sept. 24	22.10	Dec. 29	21.93	Mar. 1	20.46
July 31	20.62	Oct. 29	22.24	Jan. 26, 1965	22.15	Apr. 5	20.00
Aug. 28	20.94	Nov. 19	22.32	Feb. 23	22.29	May 31	20.13
Sept. 11	20.90	Dec. 31	22.44	Mar. 30	22.38	June 28	20.16
Oct. 30	21.40	Jan. 21, 1964	22.42	Apr. 6	22.38	July 26	20.58
Nov. 27	21.60	Feb. 25	22.49	May 4	20.54	Aug. 30	20.77
Dec. 25	21.75	Mar. 31	22.64	June 29	19.85	Sept. 27	20.87
Jan. 22, 1963	21.98	Apr. 7	22.59	July 27	20.38	Oct. 25	20.94
Feb. 26	21.90	May 5	22.01	Aug. 31	20.77	Dec. 27	21.21
Mar. 12	21.98	June 30	21.85	Sept. 14	20.82		

#### Marquette County

435244N0892934.1. Local number Mq-16/8/12-9. Village of Westfield. Drilled unused artesian well in sandstone of Cambrian age, diam 6 in, depth 274 ft. Lsd 880 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 15.06 below lsd, May 20, 1952; lowest 18.21 below lsd, Feb. 18, 1965. Records available: 1949-66.

Feb. 14, 1962	15.94	Aug. 14, 1963	16.94	Feb. 18, 1965	18.21	June 20, 1966	16.05
May 17	15.18	Nov. 21	17.22	May 17	17.55	Aug. 18	16.25
Aug. 9	15.58	Feb. 19, 1964	17.57	Aug. 19	17.52	Oct. 18	16.54
Nov. 8	15.99	May 20	17.29	Nov. 17	16.46	Nov. 10	16.99
Feb. 20, 1963	16.51	Sept. 10	17.66	Feb. 16, 1966	16.17	Dec. 13	16.77
May 16	16.54	Dec. 9	17.94	Apr. 21	15.98		

434632N0892755.1. Local number Mq-15/9/17-11. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diam 1½ in, depth 12 ft, well point 10-12. MP top of casing, 2.00 ft above lsd. Highest water level 0.57 below lsd, May 3, 1954; lowest 6.11 below lsd, Dec. 9, 1964. Records available: 1950-64. Affected by artificial draining of nearby marsh. Measurement discontinued Dec. 10, 1964.

Feb. 14, 1962	3.39	Nov. 8, 1962	4.78	Aug. 14, 1963	4.39	May 20, 1964	2.86
May 17	2.05	Feb. 20	5.66	Nov. 21	5.57	Sept. 10	5.87
Aug. 9	4.27	May 16	3.05	Feb. 19, 1964	5.59	Dec. 9	6.11

#### Milwaukee County

430457N0875702.1. Local number MI-7/21/12-36. A. O. Smith Corp. Drilled unused artesian well in St. Peter Sandstone of Middle Ordovician age, diam 14 in, reported depth 1,091 ft, cased to 774. Lsd 673 ft above msl. MP ½-in hole in steel plate at lsd (since Oct. 26, 1964). Highest water level 134.26 below lsd, June 25, 1947; lowest 222.61 below lsd, Sept. 26, 1961. Records available: 1946-64. Affected by regional pumping. Measurement discontinued.

Jan. 25, 1962	205.42	Oct. 25, 1962	213.22	July 25, 1963	209.21	Mar. 30, 1964	183.23
Feb. 28	201.44	Nov. 28	209.66	Aug. 28	207.46	Apr. 27	181.28
Mar. 29	199.09	Dec. 27	211.34	Sept. 30	206.31	May 26	181.79
Apr. 26	199.61	Jan. 24, 1963	208.36	Oct. 24	216.19	June 25	185.74
May 24	200.25	Feb. 26	202.78	Nov. 26	213.66	July 23	184.34
June 25	208.79	Mar. 28	196.18	Dec. 26	204.04	Aug. 26	181.07
July 26	213.01	Apr. 25	197.07	Jan. 23, 1964	196.06	Sept. 24	180.59
Aug. 23	215.98	May 27	198.71	Feb. 26	187.34	Oct. 26	180.73
Sept. 24	217.49	June 27	209.06				

425235N0875047.1. Local number MI-5/22/24-95. Allis Chalmers Mfg. Co. Drilled unused artesian well in sandstone of Cambrian age and St. Peter Sandstone of Middle Ordovician age, diam 8 in, reported depth 1,622 ft. Lsd 656 ft above msl. MP edge of manhole, at lsd. Highest water level 116.16 below lsd, May 5, 1952; lowest 150.94 below lsd, Aug. 27, 1964. Records available: 1952-66. Affected by regional pumping.

Mar. 1, 1962	147.33	Aug. 29, 1963	147.88	May 27, 1964	149.68	Nov. 23, 1965	147.87
May 24	146.33	Oct. 22	148.07	Aug. 27	150.94	Feb. 24, 1966	148.91
Aug. 23	145.82	Nov. 27	149.59	Nov. 24	150.44	Apr. 27	146.62
Nov. 29	145.21	Feb. 27, 1964	150.02	May 27, 1965	150.89	June 23	149.71
Feb. 27, 1963	145.26	Mar. 30	150.18	Aug. 26	150.84	Oct. 25	150.66
May 28	145.84						

430412N0875458.1. Local number MI-7/22/17-120. Nunn-Bush Shoe Co. North 5th and Hadley Sts., Milwaukee. Drilled unused artesian well in Niagara Dolomite of Silurian age, diam 10 in, reported depth 400 ft, cased to 215. Lsd 685 ft above msl. MP top of concrete, 8.75 ft below lsd. Highest water level 81.82 below lsd, May 20, 1946; lowest 107.95 below lsd, Feb. 28, 1964. Records available: 1946-49, 1951-66. Affected by regional pumping.

Feb. 27, 1962	102.13	Feb. 28, 1964	107.95	May 31, 1965	100.70	Feb. 22, 1966	100.46
May 18	102.83	Apr. 7	96.18	June 7	99.85	Mar. 7	99.86
Aug. 21	103.55	24	96.56	July 7	101.02	Apr. 14	100.27
Nov. 30	104.35	May 26	97.10	Aug. 5	100.50	26	99.85
Mar. 4, 1963	103.00	Sept. 12	100.54	Sept. 9	100.75	June 23	100.55
May 27	103.13	Nov. 20	100.06	Nov. 4	102.03	Sept. 8	101.51
Sept. 12	104.50	Feb. 26, 1965	99.77	19	101.44	Nov. 4	102.01
Nov. 26	104.88	May 3	99.15	Jan. 18, 1966	100.41		

431056N0875342.1. Local number M1-8/22/4-146. Stanley Larsen. 9090 N. Lake Dr., Milwaukee. Drilled unused artesian well in Niagara Dolomite of Silurian age, diam 5 in, depth 116 ft. Lsd 680 ft above msl. MP top of casing, 5.00 ft below lsd. Highest water level 35.35 below lsd, Feb. 24, 1966; lowest 93.62 below lsd, Aug. 29, 1963. Records available: 1946-66. Affected by regional pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1962	80.14	Aug. 29, 1963	93.62	Feb. 24, 1965	78.55	Apr. 26, 1966	62.37
May 24	83.18	Nov. 27	92.27	May 27	77.72	June 23	76.21
Aug. 23	91.56	Feb. 27, 1964	89.92	Aug. 26	91.94	Aug. 24	93.33
Nov. 29	87.47	May 27	89.96	Nov. 23	88.66	Oct. 25	91.40
Feb. 27, 1963	86.70	Aug. 26	92.76	Feb. 24, 1966	35.35	Dec. 5	90.45
May 28	88.73	Nov. 24	91.77	Apr. 12	44.45		

425613N0880143.1. Local number M1-6/21/32-148. Milwaukee County. Drilled unused water-table well in Niagara Dolomite of Silurian age, diam 5 in, depth 180 ft, cased to 43. Lsd 774 ft above msl. MP top of  $\frac{1}{2}$ -in pipe, at lsd (since Dec. 21, 1965). Highest water level 25.44 below lsd, May 3, 1951; lowest 36.52 below lsd, Mar. 7, 1964. Records available: 1946-66. Recording gage removed July 13, 1964.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	28.25	28.86	29.45	30.15	31.61	32.55	32.24	32.89	33.10
10	.....	.....	.....	28.37	28.90	29.71	30.81	31.87	31.90	32.60	32.92	33.31
15	.....	.....	.....	27.82	28.88	29.95	30.64	31.68	32.22	32.45	32.96	33.42
20	.....	.....	.....	28.35	28.96	30.30	30.84	32.67	32.22	32.54	32.77	33.68
25	31.54	.....	.....	28.36	29.68	30.29	30.97	31.98	32.35	32.67	33.22	33.53
Eom	31.72	h32.18	28.63	28.66	29.82	30.07	31.05	31.84	32.57	35.04	33.06	33.78

1963

5	33.63	34.14	34.57	33.16	.....	.....	.....	.....	.....	.....	34.84	35.20
10	33.88	34.12	34.63	33.12	.....	.....	.....	.....	.....	34.53	35.06	35.50
15	34.05	34.71	34.48	33.89	.....	.....	.....	.....	.....	34.91	35.76	35.69
20	33.84	34.48	33.40	34.11	.....	.....	.....	.....	.....	34.75	35.20	35.40
25	34.00	34.61	32.75	33.56	.....	.....	h34.49	.....	.....	34.66	35.19	.....
Eom	34.02	34.53	33.10	33.68	.....	.....	.....	h34.69	34.64	35.19	35.82	.....

1964

5	35.71	35.52	36.44	35.70	34.62	34.26	34.88	.....	.....	.....	.....	.....
10	35.97	36.20	36.21	35.53	34.75	34.86	34.58	.....	.....	.....	.....	.....
15	35.65	35.96	35.73	.....	34.18	34.68	.....	.....	.....	.....	.....	.....
20	35.95	36.15	35.32	.....	.....	34.46	.....	.....	.....	.....	.....	.....
25	35.73	.....	35.43	.....	.....	34.51	.....	.....	.....	.....	.....	.....
Eom	35.71	36.04	35.83	34.87	34.49	35.10	.....	.....	.....	.....	.....	.....

h Tape measurement.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1965	34.79	June 24, 1965	32.05	Mar. 24, 1966	29.19	July 21, 1966	31.38
Feb. 25	33.36	Aug. 25	31.02	Apr. 27	30.51	Sept. 22	32.64
Mar. 25	32.37	Sept. 23	29.85	May 26	29.63	Oct. 25	32.58
Apr. 29	30.16	Dec. 21	30.56	June 22	30.70	Dec. 6	32.78
May 27	30.34	Jan. 25, 1966	30.24				

## Monroe County

434342N0904956.1. Local number Mo-15/4W/34-2. Joseph Anderson. Drilled unused water-table well in sandstone of Cambrian age, diam 5 in, depth 44 ft. Lsd 1,100 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 5.06 below lsd, June 26, 1952; lowest 13.23 below lsd, Mar. 27, 1959. Records available: 1934-66.

Jan. 26, 1962	10.98	Apr. 26, 1963	9.16	July 26, 1964	14.10	Oct. 26, 1965	10.52
Feb. 26	11.01	May 28	8.88	Aug. 26	14.66	Nov. 27	10.54
Mar. 26	10.98	June 27	10.77	Sept. 26	14.30	Dec. 26	11.00
Apr. 26	7.00	July 29	11.70	Oct. 26	15.38	Jan. 28, 1966	11.03
May 27	8.29	Aug. 27	12.10	Nov. 28	15.40	Feb. 26	11.53
June 27	8.30	Sept. 27	12.00	Dec. 26	16.06	Mar. 28	8.60
July 26	9.16	Oct. 27	11.86	Jan. 28, 1965	16.09	Apr. 28	10.23
Aug. 29	9.51	Nov. 26	12.39	Feb. 27	16.48	May 26	11.44
Sept. 26	10.01	Dec. 27	13.89	Mar. 27	13.53	June 27	11.80
Oct. 31	10.51	Jan. 27, 1964	14.08	Apr. 26	11.52	July 26	12.20
Nov. 26	11.17	Feb. 27	14.10	May 27	8.90	Aug. 28	13.01
Dec. 27	12.25	Mar. 28	14.40	June 27	11.40	Sept. 28	13.46
Jan. 27, 1963	12.36	Apr. 26	12.17	July 26	13.44	Oct. 29	13.40
Feb. 26	13.49	May 26	10.52	Aug. 27	14.03	Nov. 26	13.57
Mar. 27	8.47	June 26	13.10	Sept. 26	13.51	Dec. 29	13.54

440026N0903901.1. Local number Mo-18/2W/29-17. U. S. Army, Camp McCoy. Drilled unused artesian well in sandstone of Cambrian age, diam 9 in, depth 192 ft, cased to 109. Lsd 909 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 0.48 below lsd, Sept. 29, 1965; lowest 6.56 below lsd, Apr. 15, 1957. Records available: 1949-66.

Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	4.29	4.67	4.99	3.64	3.62	3.37	4.00	4.60	3.52	4.00	4.03	3.25
10	4.36	4.73	5.01	3.52	3.40	3.48	3.10	4.70	3.61	3.68	4.24	3.51
15	4.44	4.78	5.06	3.52	3.24	3.61	4.18	4.75	3.59	3.56	4.30	3.90
20	4.43	4.84	5.12	3.55	3.08	3.74	4.27	4.87	3.77	3.67	2.69	4.30
25	4.51	4.86	5.11	3.62	3.06	3.82	4.39	4.92	3.84	3.87	2.81	4.49
Eom	4.62	4.94	3.96	3.63	3.27	3.94	4.51	4.77	3.92	3.93	3.01	4.55



440026N0903901.1--Continued.

1963												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	4.63	4.94	5.17	4.00	4.39	4.31	4.94	4.40	4.94	4.96	3.25	3.34
10	4.45	4.99	5.27	4.08	4.39	4.41	5.08	4.60	4.93	5.02	3.23	3.50
15	4.68	5.05	5.31	4.11	4.24	4.58	4.37	4.61	4.69	5.13	3.24	3.68
20	4.80	5.13	5.20	4.23	4.08	4.62	4.24	4.70	4.85	5.23	3.34	.....
25	4.85	5.16	4.74	4.27	4.09	4.80	4.29	4.81	4.82	5.30	3.34	.....
Eom	4.89	5.14	4.06	4.39	4.23	4.86	4.40	4.92	4.85	5.34	3.25	.....
1964												
5	.....	.....	5.42	3.58	3.18	2.24	3.24	3.83	4.32	3.87	4.68	5.19
10	.....	.....	4.61	3.50	3.06	2.60	3.57	3.90	3.83	4.00	4.72	5.03
15	.....	.....	4.58	3.41	2.82	2.68	3.69	4.47	3.52	4.18	4.88	4.73
20	.....	5.18	4.97	3.38	2.25	2.84	3.91	4.28	3.60	4.31	4.44	5.08
25	.....	5.32	5.26	3.30	2.11	2.99	4.07	4.19	3.73	4.45	4.78	5.16
Eom	.....	5.33	3.69	3.26	2.11	3.06	3.44	4.30	3.75	4.67	4.99	5.23
1965												
5	5.45	.....	.....	.....	.....	3.80	4.54	4.97	4.66	0.91	1.57	1.90
10	5.48	.....	3.90	.....	.....	3.97	4.61	4.32	3.71	1.13	1.64	2.02
15	.....	.....	4.08	.....	.....	4.10	4.14	4.69	4.16	3.29	1.20	1.39
20	.....	.....	.....	.....	4.00	4.24	4.67	4.28	1.78	1.25	1.65	1.68
25	.....	.....	.....	.....	4.29	4.30	4.77	4.40	1.25	1.18	1.68	1.72
Eom	.....	.....	.....	.....	3.65	4.41	4.87	4.55	.62	1.45	1.76	1.77
1966												
5	1.91	2.66	2.79	1.65	2.45	2.90	3.18	3.84	3.67	4.29	5.35	5.23
10	2.11	2.16	2.45	1.86	2.43	3.15	3.31	3.81	3.93	4.51	5.49	5.70
15	2.22	2.29	2.65	2.04	2.34	2.03	3.50	4.23	4.07	.....	5.54	5.82
20	2.29	2.60	2.24	2.01	2.78	2.20	3.78	4.13	4.42	.....	5.58	5.96
25	2.35	2.75	1.70	2.16	2.88	2.67	3.84	4.39	4.61	.....	5.55	6.05
Eom	2.56	2.68	1.52	2.28	2.82	2.97	4.05	3.36	5.10	4.89	5.80	6.27

## Oneida County

454026N0894253.1. Local number On-37/6/27-23. U.S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diam 1½ in, depth 37 ft, cased to 35, well point 35-37. Lsd 1,529 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 27.31 below lsd, Aug. 18, 1952; lowest 33.67 below lsd, Apr. 5, 1965. Records available: 1944-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1962	30.33	Apr. 28, 1963	31.42	July 30, 1964	33.21	Oct. 31, 1965	31.78
Feb. 19	30.50	May 30	31.60	Aug. 27	33.26	Nov. 30	31.86
Mar. 25	30.72	June 30	31.65	Sept. 24	33.35	Dec. 27	32.03
Apr. 29	30.80	July 21	31.65	Oct. 30	33.40	Jan. 4, 1966	32.12
May 7	30.74	Aug. 25	31.75	Nov. 27	33.43	Feb. 26	32.20
June 3	30.32	Sept. 30	31.86	Dec. 17	33.47	Mar. 6	32.20
July 8	30.08	Oct. 28	32.02	Jan. 7, 1965	33.50	Apr. 3	32.15
Aug. 26	30.20	Nov. 26	32.11	Feb. 28	33.59	May 1	31.87
Sept. 30	30.39	Dec. 27	32.24	Mar. 29	33.64	June 5	31.46
Oct. 31	30.54	Jan. 27, 1964	32.42	Apr. 5	33.67	July 10	31.28
Nov. 26	30.68	Feb. 27	32.50	May 4	33.18	Aug. 21	31.25
Dec. 31	30.86	Mar. 18	32.70	June 6	32.22	Sept. 26	31.32
Jan. 27, 1963	31.01	Apr. 23	32.90	July 7	31.90	Oct. 16	31.48
Feb. 20	31.14	May 28	33.02	Aug. 2	31.52	Nov. 20	31.50
Mar. 24	31.30	June 25	33.09	Sept. 26	31.60	Dec. 28	31.64

## Outagamie County

441644N0881550.1. Local number Ou-21/18/24-2. City of Kaukauna. Kaukauna Water & Electric Co. Drilled unused artesian well in sandstone of Cambrian age, diam 12 in, reported depth 700 ft, cased to 208. Lsd 645 ft above msl. MP top of casing, 8.00 ft above lsd. Highest water level +6.44 above lsd, Apr. 7, 1947; lowest -55.80 below lsd, Aug. 14, 1959. Records available: 1946-66. Affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	24.33	e23.60	e23.00	22.40	26.18	33.18	35.12	36.47	47.00	44.99	38.37	e31.70
10	23.81	e24.00	23.21	21.33	24.15	30.38	40.45	42.47	44.98	43.56	39.15	31.00
15	22.45	e25.00	22.58	20.63	26.28	36.38	36.10	41.91	46.74	40.50	39.71	32.00
20	e25.50	e25.50	17.67	22.21	28.60	35.49	42.50	42.00	45.00	42.80	36.95	31.15
25	e26.65	e25.00	18.61	20.94	32.93	34.75	41.13	44.62	42.81	42.63	32.82	27.03
Eom	e25.00	e24.00	18.58	21.92	31.25	e33.00	41.00	50.12	.....	40.65	34.59	28.25
1963												
5	27.73	.....	26.79	27.53	24.74	39.05	42.65	47.57	48.43	47.30	.....	37.67
10	27.94	26.91	26.87	26.87	27.79	38.68	51.04	52.06	48.08	47.27	38.69	33.21
15	26.21	27.48	27.70	24.95	27.38	39.34	46.93	50.55	47.50	45.28	42.99	31.70
20	26.70	26.45	26.58	26.90	27.20	41.45	48.79	48.84	48.98	42.48	41.08	32.27
25	27.83	24.93	25.20	26.81	31.56	45.90	49.51	51.17	47.87	44.98	38.39	30.14
Eom	27.53	26.84	25.78	26.20	30.51	46.15	50.49	50.57	46.23	44.15	36.41	31.99
1964												
5	30.31	28.38	27.94	21.52	15.97	27.07	29.62	37.20	36.51	31.59	27.71	23.13
10	30.06	28.22	27.17	20.89	15.66	30.21	34.22	34.91	33.88	36.00	24.83	22.76
15	29.33	28.49	30.52	18.50	17.46	30.20	33.21	36.46	33.78	38.12	25.17	22.20
20	29.20	27.58	29.64	17.62	17.90	34.20	33.60	35.83	32.68	29.20	24.49	21.62
25	28.41	26.09	24.88	17.67	21.32	35.19	38.28	35.32	33.63	26.23	22.59	20.88
Eom	29.04	27.47	23.12	18.26	19.71	38.50	36.00	35.01	33.48	25.27	22.11	21.97

441644N0881550.1--Continued.

1965											
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
5	20.80	22.09	22.49	21.33	19.68	25.73	35.34	42.12	42.25	.....	38.13
10	20.51	21.87	22.90	21.72	19.80	29.99	39.41	41.44	42.08	38.10	35.85
15	22.21	22.09	21.41	20.77	21.45	30.09	41.24	41.79	41.98	39.69	34.71
20	21.56	20.45	21.68	20.32	22.20	34.18	39.77	44.84	.....	37.67	32.88
25	20.85	21.63	21.40	20.35	23.40	35.96	43.34	44.00	.....	37.96	32.78
Eom	21.57	21.17	22.23	21.11	23.33	37.44	44.16	42.26	.....	36.54	31.70
1966											
5	26.50	27.63	25.28	.....	25.94	33.66	48.22	51.50	44.22	47.28	40.78
10	27.46	27.83	25.64	22.10	25.20	37.37	49.01	48.24	46.91	47.09	40.82
15	26.50	26.40	26.33	25.55	23.81	37.03	50.53	46.60	47.08	48.11	40.42
20	30.52	26.53	27.15	25.78	25.50	36.16	51.09	48.70	48.47	44.68	39.38
25	29.70	25.40	26.41	26.40	26.10	.....	49.38	47.62	47.27	43.55	34.59
Eom	26.30	25.60	25.50	25.80	27.12	.....	.....	48.98	49.20	42.46	.....

e Estimated.

442223N0883516.1. Local number Ou-22/16/20-95. H. A. Booth. Formerly August H. Seehawer. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 6 in, reported depth 112 ft, cased to 111. Lsd 777 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 6.36 below lsd, Apr. 26, 1955; lowest 13.20 below lsd, Oct. 7, 1959. Records available: 1952-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 9, 1962	7.76	Aug. 9, 1963	7.91	Feb. 5, 1965	9.39	June 3, 1966	9.66
May 11	7.17	Nov. 8	8.89	May 7	10.61	Aug. 4	8.31
Aug. 3	8.02	Feb. 7, 1964	10.59	Aug. 6	8.94	Oct. 6	8.61
Nov. 2	7.68	May 8	8.38	Nov. 10	7.33	Nov. 10	8.80
Feb. 8, 1963	9.46	Aug. 7	8.98	Feb. 4, 1966	8.04	Dec. 15	8.48
May 3	7.74	Nov. 6	9.01	Apr. 8	7.37		

Polk County

453013N0923146.1. Local number Pk-35/17W/8-40. Village of Milltown. Drilled unused water-table well in deposits of Pleistocene age, diam 5 in, depth 52 ft. Lsd 1,250 ft above msl. MP hole in pumpbase, at lsd. Highest water level 32.79 below lsd, May 17, 1966; lowest 41.38 below lsd, July 22, 1959. Records available: 1957-66. Measurements for 1957-61 are included below.

Sept. 28, 1957	36.04	June 14, 1960	38.36	Dec. 13, 1962	35.36	June 17, 1965	36.73
Mar. 12, 1958	36.27	Sept. 13	39.15	Mar. 21, 1963	37.02	Sept. 16	36.54
June 18	36.82	Dec. 6	37.55	June 13	35.45	Dec. 9	33.48
Sept. 17	37.77	Mar. 21, 1961	37.81	Sept. 26	36.63	Mar. 9, 1966	33.79
Dec. 17	37.52	June 7	37.72	Dec. 19	37.09	May 17	32.79
May 13, 1959	38.90	Sept. 14	39.03	Mar. 19, 1964	36.67	July 14	33.17
July 22	41.38	Dec. 21	37.94	June 11	36.48	Sept. 6	35.83
Oct. 14	38.94	Mar. 21, 1962	37.95	Sept. 17	37.61	Nov. 5	33.50
Dec. 16	38.66	June 21	36.37	Nov. 19	38.41	Dec. 9	33.87
Mar. 16, 1960	37.99	Sept. 13	35.51	Mar. 18, 1965	37.62		

Portage County

443127N0891741.1. Local number Pt-24/10/28-15. Lawrence Krogwold. Driven unused water-table well in sand of Pleistocene age, diam 2 in, depth 52 ft, cased to 50, screened 50-52. Lsd 1,133 ft above msl. MP rim of casing, 1.50 ft above lsd. Highest water level 33.08 below lsd, Apr. 24, 1966; lowest 38.81 below lsd, Nov. 12, 1959. Records available: 1950-66.

Jan. 24, 1962	35.20	Apr. 11, 1963	34.11	July 7, 1964	35.30	Oct. 8, 1965	35.08
Feb. 26	35.25	May 27	34.02	Aug. 8	35.19	Nov. 6	34.67
Mar. 30	35.33	June 22	33.99	Sept. 5	35.09	Dec. 10	34.45
Apr. 13	35.01	July 23	34.05	Oct. 10	35.00	Jan. 6, 1966	34.19
May 6	34.15	Aug. 28	34.18	Nov. 9	34.98	Feb. 9	33.93
June 7	33.98	Sept. 24	34.41	Dec. 26	35.19	Mar. 8	33.62
July 24	33.94	Oct. 21	34.54	Jan. 24, 1965	35.35	Apr. 7	33.27
Aug. 20	33.98	Nov. 21	34.58	Feb. 26	35.49	May 28	33.19
Sept. 26	34.01	Dec. 23	34.64	Mar. 27	35.58	June 23	33.28
Oct. 13	34.05	Jan. 26, 1964	34.76	Apr. 5	35.62	July 17	33.32
Nov. 16	34.07	Feb. 27	34.88	May 24	34.93	Aug. 14	33.38
Dec. 27	34.13	Mar. 25	35.03	June 30	34.97	Sept. 11	33.45
Jan. 15, 1963	34.18	Apr. 18	35.09	July 31	35.19	Oct. 8	33.54
Feb. 26	34.21	May 22	35.19	Aug. 23	35.22	Nov. 7	33.47
Mar. 29	34.31	June 26	35.29	Sept. 3	35.22	Dec. 26	33.62

442100N0893849.1. Local number Pt-22/7/35-35. U.S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diam 1½ in, depth 11 ft, cased to 9, well point 9-11. Lsd 1,054 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 0.99 below lsd, Apr. 9, 1951; lowest 5.95 below lsd, Dec. 1, 1952. Records available: 1950-66.

Jan. 29, 1962	4.20	Dec. 24, 1962	4.70	Nov. 18, 1963	5.10	Oct. 26, 1964	4.80
Feb. 13	4.60	Jan. 7, 1963	4.80	Dec. 30	4.60	Nov. 30	5.00
Mar. 26	4.60	Feb. 4	4.70	Jan. 29, 1964	4.94	Dec. 28	5.15
Apr. 4	4.60	Mar. 11	5.20	Feb. 10	5.00	Jan. 25, 1965	5.15
May 27	3.50	Apr. 8	4.60	Mar. 23	4.80	Feb. 16	5.25
June 25	3.90	May 27	4.60	Apr. 6	4.65	Mar. 1	4.50
July 16	4.80	June 24	4.60	May 25	4.10	Apr. 5	4.05
Aug. 26	5.00	July 8	5.00	June 15	5.80	May 24	3.50
Sept. 10	4.70	Aug. 12	5.00	July 6	5.00	June 28	4.35
Oct. 1	4.35	Sept. 16	5.05	Aug. 17	5.35	July 12	4.70
Nov. 26	4.50	Oct. 21	5.06	Sept. 7	4.50	Aug. 2	4.55

442100N0893849, 1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 6, 1965	3.80	Jan. 31, 1966	4.30	May 23, 1966	5.00	Sept. 28, 1966	5.35
Oct. 25	3.35	Feb. 7	4.30	June 27	5.00	Oct. 10	5.35
Nov. 1	3.90	Mar. 7	4.00	July 4	5.30	Nov. 7	5.35
Dec. 6	3.50	Apr. 25	3.35	Aug. 15	5.35	Dec. 5	5.25

Price County

455548N0902634.1. Local number Pr-40/1W/24-6. Formerly Pr-40/1/24-6. Wisconsin Conservation Dept. Jetted unused water-table well in sand and gravel of Pleistocene age, diam 8 in, depth 13 ft, cased to 13. Lsd 1,510 ft above msl. MP top of casing, 5.00 ft above lsd. Highest water level +0.41 above lsd, June 29, 1946; lowest -5.67 below lsd, Oct. 31, 1948. Records available: 1937-66.

Jan. 31, 1962	3.43	Apr. 27, 1963	1.92	July 25, 1964	3.39	Oct. 30, 1965	2.35
Feb. 28	3.54	May 31	1.93	Aug. 15	4.13	Nov. 6	2.46
Mar. 10	3.55	June 30	2.34	Sept. 5	2.95	Dec. 4	2.01
Apr. 21	1.51	July 28	3.25	Oct. 31	2.81	Jan. 29, 1966	2.80
May 5	1.36	Aug. 31	3.37	Nov. 28	2.92	Feb. 5	2.88
June 30	1.60	Sept. 7	3.45	Dec. 26	3.42	Mar. 5	2.35
July 21	1.85	Oct. 19	3.47	Jan. 30, 1965	3.98	Apr. 2	1.53
Aug. 11	2.34	Nov. 9	3.28	Feb. 27	4.03	May 28	1.30
Sept. 30	1.55	Dec. 31	3.70	Mar. 6	3.29	June 25	1.68
Oct. 31	1.89	Jan. 28, 1964	4.05	Apr. 3	1.35	July 30	2.81
Nov. 24	2.20	Feb. 22	4.27	May 1	1.23	Aug. 27	1.41
Dec. 31	2.85	Mar. 7	3.94	June 26	1.95	Sept. 14	2.16
Jan. 31, 1963	3.31	Apr. 4	2.44	July 31	2.49	Oct. 1	2.00
Feb. 28	3.53	May 2	1.70	Aug. 21	3.10	Nov. 5	1.69
Mar. 9	3.57	June 27	2.38	Sept. 11	3.20	Dec. 31	2.30

Racine County

424056N0891643.1. Local number Ra-3/19/32-1. City of Burlington. Drilled unused artesian well in Niagara Dolomite of Middle Silurian age, diam 6 in, reported depth 600 ft. Lsd 770 ft above msl. MP top of 4-in pipe on top of casing, 5.00 ft above lsd. Highest water level 12.97 below lsd, May 29, 1964; lowest 37.05 below lsd, Sept. 3, 1947. Records available: 1946-64. Affected by pumping of nearby wells. Measurement discontinued May 1964.

Mar. 2, 1962	20.52	Nov. 30, 1962	13.87	Aug. 30, 1963	14.84	Jan. 6, 1964	13.92
May 25	20.12	Feb. 28, 1963	13.75	Oct. 7	14.55	Feb. 28	14.44
July 30	20.59	Apr. 3	13.45	Nov. 27	14.47	May 28	12.97
Aug. 24	21.62	May 29	13.69				

424354N0874754.1. Local number Ra-3/23/9-23. Wisconsin Gas & Electric Co., Racine. Drilled unused artesian well in sandstone of Cambrian age and Niagara Dolomite, diam 20 in, reported depth 1,720 ft, cased to 70, 12-in liner 347-560. Lsd 587 ft above msl. MP top of casing, 4.00 ft below lsd. Highest water level 5.27 below lsd, Aug. 20, 1952; lowest 49.28 below lsd, Oct. 29, 1966. Records available: 1952-66. Measurements for 1952-61 are included below.

June 17, 1952	6.33	Nov. 7, 1955	14.68	Dec. 2, 1959	27.24	Aug. 29, 1963	40.37
Aug. 20	5.27	Jan. 18, 1956	15.50	Mar. 3, 1960	30.59	Oct. 17	39.69
Oct. 16	5.95	Apr. 4	16.52	May 24	30.71	Nov. 27	41.25
Dec. 11	6.91	May 28	17.53	Aug. 30	30.44	Feb. 27, 1964	42.53
Feb. 10, 1953	7.73	Aug. 7	17.62	Nov. 22	30.56	May 27	43.81
Apr. 16	7.39	Nov. 13	19.18	Feb. 28, 1961	32.05	Aug. 27	43.97
June 10	8.59	Jan. 31, 1957	20.53	May 25	33.36	Nov. 24	45.67
Aug. 12	6.83	Apr. 30	21.12	Aug. 30	32.98	Feb. 25, 1965	45.36
Oct. 22	8.84	July 30	20.48	Nov. 29	33.24	May 27	46.04
Mar. 11, 1954	10.61	Oct. 30	22.38	Mar. 2, 1962	37.16	Aug. 26	45.76
May 12	11.72	Jan. 30, 1958	22.76	May 24	37.54	Nov. 23	45.81
July 15	11.67	Apr. 29	23.83	July 30	37.92	Feb. 24, 1966	45.80
Sept. 16	11.72	July 30	22.35	Aug. 23	37.57	Apr. 27	44.79
Dec. 7	12.51	Oct. 29	24.28	Nov. 29	38.74	June 23	47.65
Feb. 23, 1955	13.08	Jan. 29, 1959	24.81	Feb. 27, 1963	38.89	Aug. 24	47.76
Apr. 12	12.14	July 14	24.12	Apr. 3	41.37	Oct. 28	49.28
June 29	13.78	Sept. 29	28.03	May 28	40.32	Dec. 1	48.50
Aug. 24	13.22						

Rock County

423956N0890223.1. Local number Ro-2/12/2-3. School for the Blind, Janesville. Drilled unused artesian well in sandstone of Cambrian age and St. Peter Sandstone of Middle Ordovician age, diam 10 in, reported depth 470 ft, cased to 113. Lsd 824 ft above msl. MP 1-in hole in cap on casing, 1.50 ft above lsd (since May 28, 1965). Highest water level 53.20 below lsd, May 25, 1962; lowest 59.07 below lsd, Sept. 29, 1948. Records available: 1947-66.

Mar. 2, 1962	54.41	Aug. 30, 1963	55.43	Feb. 26, 1965	56.20	June 24, 1966	54.82
May 25	53.20	Nov. 28	55.63	May 28	56.39	Aug. 25	55.16
Aug. 24	54.13	Feb. 28, 1964	55.74	Aug. 27	56.01	Oct. 10	54.99
Nov. 30	54.41	May 28	56.37	Nov. 4	55.47	Nov. 14	55.52
Feb. 28, 1963	54.39	Aug. 28	56.29	Feb. 25, 1966	54.71	Dec. 22	55.48
May 29	54.49	Nov. 25	56.45	Apr. 28	54.55		

Rusk County

452110N0911957.1. Local number Ru-33/8W/11-37. Tony Shydowski. Drilled domestic and stock water-table well in sand and gravel of Pleistocene age, diam 4 in, reported depth 77 ft, cased to 27. Led 1,085 ft above msl. MP top of casing, 0.50 ft above lsd. Highest water level 10.36 below lsd, May 18, 1966; lowest 14.11 below lsd, Mar. 19, 1965. Records available: 1956-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 20, 1962	13.19	Sept. 26, 1963	12.71	Mar. 19, 1965	14.11	July 14, 1966	11.52
June 21	12.68	Dec. 19	12.99	June 17	13.41	Sept. 6	12.56
Sept. 14	12.29 *	Mar. 19, 1964	13.21	Sept. 16	12.61	Oct. 11	13.94
Dec. 13	12.36	June 11	12.93	Dec. 9	12.32	Nov. 9	13.78
Mar. 22, 1963	12.64	Sept. 17	14.04	Mar. 10, 1966	12.21	Dec. 14	13.45
June 13	12.37	Nov. 19	13.73	May 18	10.36		

453107N0904201.1. Local number Ru-35/3W/14-89. Hawkins Cemetery. Drilled public-supply water-table well in sand and clay of Pleistocene age, diam 6 in, depth 25 ft. Led 1,380 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 13.33 below lsd, Oct. 15, 1959; lowest 19.97 below lsd, Sept. 17, 1964. Records available: 1957-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 20, 1962	19.08	Sept. 27, 1963	17.14	Mar. 19, 1965	18.06	May 18, 1966	13.97
June 22	15.59	Dec. 20	17.61	June 17	15.10	July 14	15.51
Sept. 14	15.57	Mar. 20, 1964	19.72	Sept. 16	16.34	Sept. 6	16.14
Dec. 14	14.93	June 11	18.28	Dec. 9	15.95	Oct. 31	17.45
Mar. 22, 1963	16.03	Sept. 17	19.97	Mar. 10, 1966	15.95	Dec. 5	17.76
June 14	15.54	Nov. 19	17.61				

Sauk County

432201N0894601.1. Local number Sk-10/6/3-1. Badger Army Ammunition Plant (previously reported Badger Ordnance Works). Drilled unused artesian well in sandstone of Cambrian age, diam 16 in, depth 426 ft, cased to 203. Led 865 ft above msl. MP top of casing, 1.43 ft above lsd. Highest water level 58.45 below lsd, May 20, 1953; lowest 93.25 below lsd, June 4, 1964. Records available: 1946-66. Affected by pumping of nearby wells.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	63.27	63.75	64.07	63.15	64.30	.....	76.65	76.04	78.87	.....	.....	64.78
10	64.01	63.79	63.96	62.77	64.40	.....	77.79	79.30	84.67	.....	.....	66.14
15	64.10	63.63	63.75	62.68	64.52	75.35	76.72	79.70	.....	.....	.....	65.70
20	64.92	63.70	63.65	63.27	64.76	75.20	78.19	80.07	.....	.....	.....	65.42
25	63.89	63.57	63.55	63.68	68.18	77.48	77.47	77.84	.....	.....	.....	67.23
Eom	53.99	64.05	63.37	63.81	672.00	77.18	74.95	81.50	.....	.....	.....	68.38

1963

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	69.18	69.60	69.67	65.42	71.98	74.48	77.92	80.01	80.39	.....	.....	.....
10	69.17	69.39	69.75	65.67	73.82	75.78	79.64	79.98	80.26	.....	.....	.....
15	69.46	69.85	69.75	65.55	73.91	79.33	79.55	80.80	.....	.....	.....	.....
20	69.35	69.54	69.82	67.35	73.61	76.15	80.36	79.80	.....	.....	.....	75.90
25	69.66	69.82	68.15	70.19	74.60	75.08	81.10	80.31	86.51	.....	.....	75.37
Eom	69.92	69.78	65.72	70.36	75.61	77.39	80.37	80.01	.....	.....	.....	75.68

1964

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	75.37	75.63	71.05	.....	.....	86.24	77.83	74.17	73.78	81.18	85.01	77.55
10	75.65	75.86	70.57	82.53	.....	84.03	77.55	75.18	73.30	76.26	72.38	72.97
15	75.55	75.76	70.29	.....	85.47	86.43	76.51	85.93	83.32	73.91	71.66	76.42
20	75.41	75.92	.....	.....	78.09	89.48	78.28	74.61	74.59	86.94	75.60	77.20
25	75.40	76.29	78.29	.....	79.08	75.34	85.94	73.37	86.86	73.64	77.70	76.55
Eom	75.59	75.70	.....	.....	79.73	77.70	73.50	75.39	74.65	72.18	78.22	76.78

1965

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	76.71	77.97	77.35	77.53	90.62	86.45	77.99	81.52	75.30	74.88	71.39	77.51
10	77.90	77.60	77.56	88.79	86.63	79.54	75.74	76.22	74.83	73.12	70.67	77.83
15	77.03	77.65	77.56	75.17	79.90	90.67	76.04	76.20	74.30	72.77	72.29	77.80
20	84.24	77.43	77.92	77.03	91.46	79.37	75.30	75.09	73.87	71.53	73.42	77.66
25	79.32	77.46	77.82	78.51	78.45	76.40	86.27	74.69	73.89	71.28	73.39	77.50
Eom	77.48	77.44	77.86	81.36	76.85	75.72	76.83	75.47	73.58	70.97	76.90	76.42

1966

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	76.35	74.74	73.48	68.67	d71.56	d72.03	69.43	68.67	68.18	d70.90	68.51	68.92
10	76.52	74.12	73.15	68.46	d71.15	68.81	d73.13	68.81	68.98	68.28	67.92	68.68
15	76.11	74.07	d79.30	68.51	68.38	68.42	71.13	68.59	d71.30	d70.17	d79.90	68.35
20	76.12	d77.82	73.64	68.02	68.18	68.65	69.78	68.41	68.67	68.34	69.17	68.04
25	76.15	73.94	73.15	68.07	68.29	69.65	70.44	68.14	68.25	68.04	67.96	69.39
Eom	75.74	73.53	69.59	68.13	68.92	70.92	68.95	68.25	67.92	67.90	68.29	69.28

d Nearly well pumped recently.

e Estimated.

432719N0894357.1. Local number Sk-11/6/1-6. A. W. Rohn. Baraboo Iron Works. Drilled unused artesian well in sandstone of Cambrian age, diam 5 to 4 in, depth 318 ft, cased to 266. Led 819 ft above msl. MP top of casing, 5.00 ft above lsd. Highest water level +7.61 above lsd, Apr. 18, 1959; lowest -2.19 below lsd, June 20, 1959. Records available: 1946-66. Affected by pumping of nearby wells.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1962	+3.81	Dec. 8, 1962	+3.90	Nov. 16, 1963	+2.31	Sept. 12, 1964	+1.63
Feb. 10	3.76	Jan. 6, 1963	3.64	Dec. 14	2.41	Nov. 21	1.43
Mar. 10	3.98	Feb. 16	3.80	Jan. 26, 1964	2.45	Dec. 12	1.46
Apr. 21	2.71	Mar. 23	4.09	Feb. 15	2.38	Jan. 16, 1965	1.23
May 12	+2.56	Apr. 27	3.58	Mar. 28	2.44	Feb. 20	1.50
July 7	-6.6	May 25	3.56	Apr. 18	2.51	Mar. 27	1.66
Aug. 18	+4.12	June 14	3.26	May 23	1.81	Apr. 24	1.77
Sept. 29	4.41	July 20	3.29	June 27	2.01	May 22	1.46
Oct. 14	4.21	Aug. 31	2.61	July 18	1.58	June 21	.52
Nov. 10	3.89	Sept. 28	2.76	Aug. 29	1.51	July 24	.83

432719N0894357.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 7, 1965	-0.04	Jan. 1, 1966	+1.61	May 28, 1966	+2.64	Sept. 3, 1966	+2.13
Sept. 1	+1.36	Feb. 26	2.46	June 4	2.39	Oct. 1	2.69
Oct. 24	1.71	Mar. 19	2.51	July 30	2.53	Nov. 19	2.76
Nov. 27	1.41	Apr. 30	2.80	Aug. 20	2.43	Dec. 17	2.74
Dec. 4	1.97						

Shawano County

444203N0882146.1. Local number Sh-26/18/30-1. Harry Sievert. Drilled unused water-table well in limestone, diam 6 in, depth 132 ft. Lsd 917 ft above msl. MP hole in pumpbase, 1.00 ft above lsd. Highest water level 52.91 below lsd, May 11, 1962; lowest 64.60 below lsd, Jan. 11, 1956. Records available: 1947-66.

Feb. 9, 1962	56.64	Aug. 9, 1963	60.91	Feb. 5, 1965	62.01	June 3, 1966	58.26
May 11	52.91	Nov. 8	61.94	May 6	61.29	Aug. 4	59.16
Aug. 3	57.08	Feb. 6, 1964	62.31	Aug. 5	63.22	Oct. 5	60.92
Nov. 2	58.01	May 8	63.13	Nov. 10	58.70	Nov. 9	61.14
Feb. 8, 1963	59.02	Aug. 7	63.56	Feb. 3, 1966	58.31	Dec. 14	60.83
May 3	58.17	Nov. 6	62.07	Apr. 8	55.61		

St. Croix County

450947N0922236.1. Local number SC-31/16W/29-94. Cylon Methodist Church. Drilled domestic artesian well in sandstone of Ordovician age, diam 4 in, depth 73 ft, cased to 63. Lsd 1,059 ft above msl. MP top of casing, 2.90 ft above lsd. Highest water level 31.31 below lsd, May 17, 1966; lowest 36.04 below lsd, Sept. 13, 1961. Records available: 1957-66. Measurements for 1957-61 are included below.

Oct. 11, 1957	33.39	June 14, 1960	34.25	Dec. 13, 1962	32.89	June 16, 1965	33.59
Mar. 12, 1958	33.63	Sept. 13	34.15	Mar. 21, 1963	33.31	Sept. 16	33.64
June 18	33.62	Dec. 6	33.99	June 13	32.85	Dec. 8	33.42
Sept. 17	33.85	Mar. 21, 1961	33.89	Sept. 26	33.24	Mar. 9, 1966	33.08
Dec. 17	34.05	June 7	33.48	Dec. 18	33.56	May 17	31.31
May 13, 1959	34.36	Sept. 13	36.04	Mar. 18, 1964	33.81	July 13	32.92
July 22	34.48	Dec. 21	33.92	June 10	33.49	Sept. 6	33.41
Oct. 14	34.63	Mar. 21, 1962	33.89	Sept. 17	33.93	Oct. 14	33.27
Dec. 16	34.97	June 21	32.91	Nov. 19	34.05	Nov. 10	33.30
Mar. 16, 1960	35.01	Sept. 13	32.67	Mar. 18, 1965	34.16	Dec. 16	33.45

Taylor County

450947N0904539.1. Local number Ta-31/4W/13-1 (previously reported 24-1). Village of Gilman. Drilled public-supply water-table well in drift of Pleistocene age, diam 18 to 16 in, depth 26 ft, cased to 16, screened 16-26. Lsd 1,200 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 6.75 below lsd, Apr. 26, 1965; lowest 13.11 below lsd, Oct. 15, 1959. Records available: 1957-66. Affected by pumping of nearby wells.

Mar. 20, 1962	10.11	Dec. 20, 1963	10.11	Feb. 6, 1965	9.96	July 15, 1965	11.80
Sept. 14	8.86	Nov. 18, 1964	8.80	Mar. 31	9.90	Sept. 19	9.95
Dec. 14	10.42	Dec. 26	9.80	Apr. 26	6.75	Nov. 30	10.10
Mar. 22, 1963	11.11	Jan. 21, 1965	10.20	June 20	9.67	Feb. 12, 1966	8.05

Trempealeau County

440422N0911829.1. Local number Tr-19/8W/35-1. Mrs. William Davidson. Drilled unused water-table well in sandstone of Cambrian age, diam 6 in, depth 195 ft. Lsd 820 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 133.18 below lsd, Jan. 13, 1955; lowest 144.95 below lsd, Oct. 27, 1966. Records available: 1947-66.

Mar. 23, 1962	142.99	Sept. 24, 1963	143.41	Mar. 16, 1965	142.95	July 12, 1966	141.04
June 19	140.73	Dec. 17	141.78	June 15	142.26	Sept. 5	142.12
Sept. 11	140.29	Mar. 17, 1964	142.03	Sept. 14	142.16	Oct. 27	144.95
Dec. 11	141.72	June 9	141.57	Dec. 7	141.89	Nov. 29	142.70
Mar. 19, 1963	140.54	Sept. 15	142.18	Mar. 8, 1966	141.33	Dec. 22	142.16
June 11	140.69	Nov. 17	143.86	May 16	140.71		

440414N0912704.1. Local number Tr-19/9W/33-9. Village of Centerville. Drilled public-supply water-table well in drift of Pleistocene age, diam 6 in, reported depth 71 ft, cased to 66, screened 66-71. Lsd 740 ft above msl. MP top of breather pipe, at lsd. Highest water level 49.22 below lsd, July 11, 1956; lowest 57.11 below lsd, Mar. 16, 1965. Records available: 1953-66. Affected by pumping of nearby wells.

Mar. 23, 1962	56.08	Sept. 24, 1963	54.63	Nov. 17, 1964	54.87	Mar. 8, 1966	53.06
June 19	55.41	Dec. 17	54.23	Mar. 16, 1965	57.11	May 16	54.89
Sept. 11	53.72	Mar. 17, 1964	55.02	June 15	56.71	July 12	55.61
Dec. 11	53.95	June 9	55.26	Sept. 14	55.28	Sept. 5	55.17
Mar. 19, 1963	53.98	Sept. 15	55.32	Dec. 7	55.06	Nov. 29	53.60
June 11	54.13						

Vernon County

433324N0905333.1. Local number Ve-13/4W/31-41. City of Viroqua. Drilled unused artesian well in sandstone of Cambrian age, diam 10 in, depth 507 ft. Lsd 1,260 ft above msl. MP top of breather pipe, at lsd. Highest water level 127.24 below lsd, Feb. 15, 1961; lowest 149.60 below lsd, June 9, 1965. Records available: 1957-66. Measurements for 1957-61 are included below.

433324N0905333.1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 21, 1957	131.68	Feb. 18, 1960	136.60	Sept. 6, 1962	129.95	Nov. 19, 1964	144.58
Nov. 14	130.23	May 17	136.45	Dec. 5	129.80	Mar. 11, 1965	147.57
Feb. 12, 1958	130.85	Aug. 16	132.21	Mar. 8, 1963	131.32	June 9	149.60
June 13	135.27	Nov. 16	128.22	June 19	134.00	Sept. 24	148.48
Aug. 21	136.59	Feb. 15, 1961	127.24	Sept. 25	134.03	Dec. 1	144.63
Nov. 19	137.63	May 25	127.82	Dec. 20	135.40	Mar. 15, 1966	142.43
Feb. 19, 1959	140.02	Aug. 24	128.75	Mar. 25, 1964	139.26	July 28	141.62
May 11	142.07	Dec. 6	129.53	June 9	141.71	Nov. 16	140.52
Sept. 16	142.84	Feb. 28, 1962	131.22	Sept. 2	143.41	Dec. 14	143.18
Nov. 24	139.58	June 13	131.36				

Vilas County

455814N0891303.1. Local number Vi-40/10/10-21. U. S. Geol. Survey. Driven observation water-table well in sand of Pleistocene age, diam 1½ in, depth 27 ft, cased to 25, well point 25-27. Lsd 1,640 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 11.84 below lsd, June 1, 1960; lowest 16.86 below lsd, Mar. 21, 1949. Records available: 1944-66.

Jan. 31, 1962	14.35	Apr. 22, 1963	14.86	July 29, 1964	16.61	Oct. 25, 1965	14.84
Feb. 26	14.52	May 6	14.97	Aug. 31	16.60	Nov. 29	15.02
Mar. 26	14.69	June 24	14.96	Sept. 8	16.61	Dec. 28	15.11
Apr. 10	14.62	July 29	15.20	Oct. 13	16.46	Jan. 31, 1966	15.19
May 8	13.95	Aug. 27	15.41	Nov. 24	16.48	Feb. 7	15.20
June 4	13.65	Sept. 30	15.65	Dec. 22	16.61	Mar. 7	15.21
July 31	14.00	Oct. 29	15.84	Jan. 25, 1965	16.57	Apr. 11	14.45
Aug. 27	14.27	Nov. 25	15.98	Feb. 22	16.69	May 2	14.11
Sept. 18	14.41	Dec. 30	16.19	Mar. 29	16.81	June 27	14.02
Oct. 29	14.41	Jan. 29, 1964	16.37	Apr. 6	16.82	July 25	14.25
Nov. 26	14.51	Feb. 18	16.46	May 3	15.25	Aug. 2	14.36
Dec. 19	14.62	Mar. 30	16.73	June 28	13.77	Sept. 6	13.95
Jan. 30, 1963	14.85	Apr. 7	16.70	July 27	14.03	Oct. 17	14.08
Feb. 25	15.08	May 4	16.42	Aug. 30	14.41	Nov. 28	14.13
Mar. 25	15.26	June 29	16.40	Sept. 14	14.57	Dec. 28	14.26

Walworth County

423532N0882546.1. Local number Ww-2/17/36-37. Lake Geneva Water Works. Drilled unused artesian well in St. Peter Sandstone of Middle Ordovician age, diam 8 to 10 in, depth 820 ft, cased 10-in 0-214, 8-in 214-227. Lsd 860 ft above msl. MP hole in east side of pumpbase, 1.00 ft above lsd. Highest water level 129.48 below lsd, Feb. 14, 1962; lowest 166.66 below lsd, Dec. 1, 1965. Records available: 1962-66.

Feb. 14, 1962	129.48	Aug. 28, 1964	144.06	Sept. 1, 1965	163.47	June 24, 1966	144.24
Oct. 21, 1963	137.66	Nov. 25	143.66	Dec. 1	166.66	Aug. 25	153.02
Nov. 15	139.47	Feb. 26, 1965	142.67	Feb. 25, 1966	147.03	Oct. 29	148.96
Feb. 28, 1964	138.14	May 28	145.66	Apr. 28	143.47	Nov. 30	147.32
May 28	141.58						

Washburn County

454917N0915355.1. Local number Wb-39/12W/31-1. Wisconsin Conservation Dept. Driven observation water-table well in sand of Pleistocene age, diam 1½ in, depth 18 ft, cased to 15, well point 16-18. Lsd 1,054 ft above msl. MP top of casing, 1.70 ft above lsd. Highest water level 2.60 below lsd, Sept. 3, 1957; lowest 6.20 below lsd, May 18, 1953. Records available: 1949-66.

Jan. 1, 1962	5.05	June 3, 1963	4.86	Sept. 14, 1964	4.34	Nov. 29, 1965	5.14
Feb. 26	4.89	July 22	4.73	Oct. 19	4.91	Dec. 6	5.09
Mar. 5	4.95	Aug. 5	4.48	Nov. 30	5.14	Jan. 31, 1966	5.30
Apr. 9	4.73	Sept. 30	4.85	Dec. 28	5.49	Feb. 7	5.36
May 14	4.40	Nov. 18	5.10	Jan. 25, 1965	5.60	Mar. 7	5.08
June 4	4.34	Dec. 16	5.10	Feb. 8	5.68	Apr. 4	4.74
July 16	4.33	Jan. 27, 1964	5.39	Mar. 29	5.64	May 30	4.85
Aug. 20	4.56	Feb. 24	5.39	Apr. 5	5.14	June 27	4.60
Sept. 24	4.50	Mar. 23	5.32	May 3	4.78	July 25	4.62
Oct. 29	4.72	Apr. 6	5.15	June 21	4.25	Aug. 1	4.47
Nov. 12	4.85	May 25	4.49	July 26	4.09	Sept. 26	5.03
Dec. 31	4.94	June 29	4.66	Aug. 23	4.53	Oct. 31	5.19
Jan. 28, 1963	4.91	July 13	4.76	Sept. 27	4.51	Nov. 7	5.31
Feb. 25	5.23	Aug. 10	4.44	Oct. 18	4.84	Dec. 19	5.30
May 27	4.90						

Washington County

432526N0881102.1. Local number Wn-11/19/14-3. City of West Bend. City Hall. Drilled unused artesian well in St. Peter Sandstone of Middle Ordovician age, diam 8 in, reported depth 1,200 ft, cased to 75. Lsd 920 ft above msl. MP top of casing, 3.00 ft below lsd. Highest water level 9.89 below lsd, Nov. 21, 1960; lowest 19.99 below lsd, July 29, 1958. Records available: 1946-64. Affected by pumping of nearby wells. Measurement discontinued.

Feb. 28, 1962	12.37	Nov. 28, 1962	15.72	Aug. 28, 1963	13.81	May 26, 1964	14.21
May 23	15.01	Feb. 26, 1963	13.64	Nov. 26	13.94	Aug. 26	15.41
Aug. 22	17.53	May 27	12.72	Feb. 26, 1964	15.06		

## Waukesha County

430049N0881313.1. Local number Wk-6/19/2-14. New Tribes Mission. Formerly Veterans Administration Hospital. State Highway 59 and County Highway "Y", Waukesha. Drilled unused artesian well in sandstone of Cambrian age and St. Peter Sandstone of Middle Ordovician age, diam 8 in, reported depth 1,300 ft. Lsd 875.03 ft above msl. MP top of casing, at lsd. Highest water level 249.86 below lsd, July 6, 1947; lowest 362.07 below lsd, Sept. 30, 1966. Records available: 1946-66. Affected primarily by pumping of nearby municipal wells.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	340.16	336.61	335.53	338.30	337.42	339.90	343.09	341.63	.....	.....	343.67	342.99
10	339.50	338.70	338.50	337.30	337.91	.....	343.19	343.93	.....	.....	344.66	341.40
15	339.80	336.73	336.81	337.60	337.17	.....	343.85	344.20	.....	.....	343.13	.....
20	339.39	335.64	337.89	.....	341.88	.....	343.13	347.35	.....	.....	344.36	.....
25	339.41	336.20	339.94	.....	339.80	.....	341.00	.....	.....	344.69	345.21	.....
Eom	339.08	335.53	338.80	336.51	339.25	347.20	343.13	.....	.....	344.78	344.88	.....
1963												
5	.....	333.52	339.40	342.45	343.60	.....	.....	353.18	352.39	355.65	354.81	353.71
10	.....	333.59	340.27	.....	.....	.....	.....	356.63	352.26	355.65	354.67	354.93
15	.....	334.12	338.69	.....	.....	.....	.....	354.86	353.62	.....	354.00	356.79
20	.....	340.60	339.25	342.34	.....	.....	355.35	355.48	354.51	.....	355.05	358.24
25	338.87	341.75	341.91	344.99	.....	.....	354.83	351.15	355.41	355.17	353.15	357.19
Eom	333.87	340.51	341.77	343.64	.....	.....	356.04	353.07	352.80	355.24	353.02	355.31
1964												
5	352.08	353.70	355.73	347.91	347.74	347.05	352.99	353.06	353.15	352.09	340.58	336.61
10	353.49	351.60	355.28	349.58	345.66	347.34	351.40	353.20	351.28	351.28	339.16	336.53
15	354.47	354.29	357.19	348.67	345.12	349.76	351.28	352.26	351.91	348.69	339.33	336.23
20	352.92	347.37	354.55	349.65	346.56	351.01	349.96	352.14	351.06	348.73	338.94	336.63
25	353.54	.....	352.49	348.09	346.87	350.47	350.74	.....	351.37	347.12	337.68	335.49
Eom	354.80	352.66	349.98	347.85	345.99	350.61	349.59	352.39	351.53	344.29	337.07	334.60
1965												
5	334.10	334.63	333.70	332.74	332.26	343.58	355.17	353.17	346.80	350.87	343.30	343.41
10	334.68	334.47	333.60	333.19	332.83	347.23	353.07	350.58	352.41	351.52	346.46	347.12
15	334.87	334.21	333.54	332.46	336.01	350.39	353.88	351.89	.....	343.34	341.38	346.05
20	334.42	334.16	333.81	332.23	335.22	351.99	351.38	353.07	.....	341.97	344.60	344.98
25	334.02	333.50	333.81	332.54	345.71	352.84	353.62	352.74	351.88	339.65	.....	343.97
Eom	334.46	333.53	333.17	332.87	349.91	355.43	355.36	351.61	351.00	347.49	.....	344.92
1966												
5	341.95	345.92	345.04	342.95	339.60	344.10	355.37	354.85	349.43	359.53	357.69	.....
10	343.97	346.60	344.97	342.85	342.30	345.10	356.32	354.86	351.80	357.33	354.16	.....
15	345.58	347.60	345.64	344.93	343.19	343.65	354.32	355.48	356.36	356.10	353.97	.....
20	347.08	347.40	341.21	343.58	342.61	345.92	355.28	357.17	356.56	356.19	347.87	.....
25	345.66	345.45	343.91	.....	340.82	351.90	355.93	356.77	359.70	354.23	.....	.....
Eom	344.25	342.26	344.89	344.50	341.40	353.95	355.82	353.18	362.07	355.51	.....	.....

425535N0881317.1. Local number Wk-5/19/2-31. William M. Foss. Drilled unused artesian well in Niagara Dolomite of Silurian age, diam 6 in, depth 508 ft, cased to 434. Lsd 962 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 129.02 below lsd, Aug. 4, 1952; lowest 138.14 below lsd, Feb. 2, 1959. Records available: 1947-66.

Lowest water level for the day, from recorder graph, 1962												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	131.05	131.19	131.26	130.37	129.87	.....	.....	130.78	.....	131.38	131.75	131.92
10	131.17	131.23	131.29	130.02	129.88	.....	130.44	131.07	.....	131.49	131.81	132.10
15	131.09	131.19	131.31	129.99	129.88	.....	130.53	131.03	.....	131.53	131.80	132.09
20	131.15	131.29	131.23	129.95	129.88	.....	130.68	131.08	.....	131.54	131.79	132.29
25	131.08	131.32	131.25	129.82	129.90	130.37	130.68	131.05	131.34	131.70	132.06	132.30
Eom	131.21	131.36	130.70	129.84	.....	.....	130.76	.....	131.39	131.69	132.04	132.38
1963												
5	132.34	132.67	132.88	132.64	133.29	133.18	133.73	134.15	134.45	134.80	.....	.....
10	132.45	132.67	132.95	132.67	133.03	133.16	133.79	134.31	134.51	134.61	.....	.....
15	132.52	132.88	132.99	132.71	133.04	133.33	133.81	134.28	134.64	134.60	.....	.....
20	132.42	132.81	132.66	132.84	133.23	133.41	133.85	134.29	134.66	134.58	.....	.....
25	132.57	132.90	132.57	132.93	133.28	133.55	133.99	134.44	134.64	134.52	.....	.....
Eom	132.60	132.89	132.62	133.17	133.31	133.58	134.05	134.45	134.71	134.58	134.89	135.30
1964												
5	135.19	135.25	135.60	.....	.....	.....	.....	135.21	135.62	135.93	136.13	136.31
10	135.33	135.52	135.43	.....	.....	133.95	.....	135.36	135.69	136.09	136.08	136.26
15	135.28	135.48	.....	.....	.....	134.19	.....	135.54	135.79	135.91	136.20	136.33
20	135.27	135.56	.....	.....	.....	134.53	.....	135.43	135.74	135.96	136.20	136.36
25	135.20	.....	.....	.....	.....	134.82	135.09	.....	135.80	136.02	136.14	136.31
Eom	135.34	135.61	.....	.....	.....	134.98	135.03	135.55	135.92	136.12	136.30	136.53
1965												
5	136.40	136.54	135.92	135.48	134.63	134.69	135.66	136.08	135.40	134.55	134.21	133.96
10	136.51	136.45	135.95	135.15	134.65	134.82	135.78	135.98	135.17	134.50	134.10	134.05
15	136.52	136.39	135.76	134.76	134.66	134.93	135.87	135.70	134.90	134.51	134.04	133.88
20	136.47	136.20	135.71	134.76	134.74	135.10	135.91	135.42	134.78	134.37	133.99	133.81
25	136.30	136.07	135.63	134.62	134.58	135.42	135.99	135.28	134.62	134.30	134.02	133.84
Eom	136.48	136.17	135.71	134.62	134.69	135.61	136.00	135.31	134.49	134.17	134.06	133.66
1966												
5	133.57	133.29	132.60	132.07	131.94	131.98	132.40	132.57	132.86	133.18	133.33	133.42
10	133.51	133.08	132.73	132.09	131.99	132.02	132.41	132.61	133.02	133.16	133.30	133.53
15	133.38	133.04	132.61	132.15	131.81	132.01	132.43	132.68	133.10	133.17	133.38	133.46
20	133.33	133.01	132.58	131.87	131.87	132.15	132.47	132.78	133.12	133.18	133.43	133.42
25	133.32	132.63	132.42	.....	131.88	132.66	132.55	132.74	133.08	133.29	.....	133.58
Eom	133.21	132.61	132.11	131.96	131.98	132.78	132.60	132.88	133.05	133.20	.....	133.59

Waupaca County

441545N0885229.1. Local number Wp-21/13/25-2. Village of Fremont. Drilled public-supply artesian well in sandstone of Cambrian age, diam 8 in, reported depth 205 ft, cased to 109. Lsd 764 ft above msl. MP hole in cap, 1.00 ft above lsd. Highest water level 10.81 below lsd, Apr. 23, 1951; lowest 15.91 below lsd, Feb. 23, 1954. Records available: 1950-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1962	13.89	Apr. 27, 1963	13.38	July 18, 1964	14.60	Oct. 2, 1965	14.19
Feb. 24	14.02	May 25	13.47	Aug. 29	14.64	Nov. 6	14.11
Mar. 3	14.19	June 15	13.47	Sept. 19	14.60	Dec. 4	13.80
Apr. 7	12.66	July 29	14.27	Oct. 17	14.59	Jan. 15, 1966	13.72
May 26	12.17	Aug. 31	14.47	Nov. 28	14.62	Feb. 5	13.97
June 30	12.85	Sept. 21	14.69	Dec. 5	14.60	Mar. 26	13.10
July 28	13.45	Oct. 12	14.66	Jan. 16, 1965	14.59	Apr. 2	13.20
Aug. 25	13.82	Nov. 16	14.63	Feb. 20	14.52	May 14	13.20
Sept. 1	13.88	Dec. 7	14.51	Mar. 27	14.59	June 25	13.72
Oct. 27	13.73	Jan. 11, 1964	14.48	Apr. 10	14.44	July 16	13.85
Nov. 10	13.88	Feb. 29	14.63	May 1	14.59	Aug. 20	14.30
Dec. 29	14.26	Mar. 21	14.57	June 26	13.20	Sept. 3	13.92
Jan. 5, 1963	14.45	Apr. 18	14.60	July 31	14.17	Oct. 15	13.60
Feb. 2	14.69	May 23	14.50	Aug. 7	14.10	Nov. 26	13.73
Mar. 16	14.63	June 6	14.59	Sept. 18	14.17		

Waushara County

440721N0893157.1. Local number Ws-19/8/15-9. University of Wisconsin Experiment Farm. Hancock. Jetted observation water-table well in sand and gravel of Pleistocene age, diam 4 in, depth 26 ft, cased to 26. Lsd 1,090 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 15.03 below lsd, May 14, 1952; lowest 22.74 below lsd, Feb. 28, Mar. 1-2, 1965. Records available: 1951-66. Affected by pumping of nearby wells. Well to be filled for highway improvements; replaced by well Ws-8. Measurement discontinued.

## Lowest water level for the day, from recorder graph, 1962

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	17.95	.....	18.24	17.06	16.84	16.80	17.04	17.36	17.62	17.73	17.85
10	.....	17.99	.....	18.01	17.00	16.80	16.84	17.14	17.40	17.68	17.74	17.90
15	.....	18.03	.....	17.70	16.94	16.77	16.90	17.15	17.45	17.70	17.74	17.93
20	.....	18.04	18.27	17.42	16.96	16.75	16.95	17.18	17.51	17.71	17.75	18.00
25	.....	18.08	18.29	17.32	16.92	16.76	16.98	17.23	17.54	17.73	17.80	18.03
Eom	.....	18.09	18.29	17.12	16.86	16.77	17.02	17.30	17.59	17.71	17.82	18.09

1963

5	18.13	.....	.....	.....	18.39	18.40	18.45	18.41	18.55	18.78	.....	19.40
10	18.17	18.45	.....	.....	18.38	18.38	18.50	18.41	18.59	18.82	.....	19.46
15	18.21	18.53	.....	.....	18.56	18.38	18.40	18.53	18.43	18.62	.....	19.52
20	.....	18.54	.....	.....	18.45	18.40	18.39	18.52	18.43	18.65	.....	19.56
25	.....	18.61	.....	.....	18.43	18.41	18.40	18.51	18.49	18.68	19.31	19.60
Eom	.....	18.64	.....	.....	18.39	18.40	18.41	18.46	18.53	18.73	.....	19.35

1964

5	.....	20.01	20.31	20.57	20.79	21.03	21.25	21.42	.....	.....	21.93	.....
10	.....	20.05	20.35	20.63	20.84	21.06	21.25	21.47	21.77	.....	.....	22.16
15	.....	.....	20.40	20.65	20.88	21.10	21.26	21.54	.....	.....	.....	22.16
20	.....	20.18	20.43	20.69	20.98	21.10	21.30	21.56	.....	.....	.....	22.20
25	.....	20.21	20.47	20.72	20.98	21.14	21.33	21.61	.....	.....	.....	22.22
Eom	19.97	20.24	20.53	20.77	21.00	21.16	21.39	21.70	.....	21.90	.....	22.29

1965

5	22.31	22.56	22.40	22.54	22.04	21.67	21.65	21.81	22.05	21.55	20.84	20.83
10	22.35	22.60	22.20	22.15	22.00	21.64	21.65	21.86	22.07	21.38	20.80	20.84
15	22.40	22.61	22.22	22.13	21.84	21.64	21.74	21.86	22.11	21.15	20.80	20.84
20	22.44	22.70	22.31	22.13	21.82	21.64	21.74	21.98	22.11	21.09	20.79	20.82
25	22.48	22.70	22.41	22.09	21.75	21.64	21.74	21.99	21.99	21.08	20.80	20.77
Eom	22.52	22.74	22.50	22.07	21.70	21.64	21.80	22.01	21.75	20.94	20.82	20.69

1966

5	20.62	20.42	19.89	19.56	18.99	18.91	18.14	.....	.....	.....	.....	.....
10	20.55	20.32	19.88	19.39	18.96	18.99	19.23	.....	.....	.....	.....	.....
15	20.52	19.95	19.87	19.27	18.94	19.00	19.25	.....	.....	.....	.....	.....
20	20.47	19.88	19.85	19.15	18.92	19.05	19.30	.....	.....	.....	.....	.....
25	20.45	19.88	19.83	19.10	18.90	19.11	.....	.....	.....	.....	.....	.....
Eom	20.43	19.88	19.74	19.05	18.91	19.11	.....	.....	.....	.....	.....	.....

440713N0893208.1. Local number Ws-19/8/15-8 (replaces well Ws-9). University of Wisconsin Experiment Farm. Hancock. Jetted observation water-table well in sand and gravel of Pleistocene age, diam 4 in, depth 18 ft, cased to 18. Lsd 1,080 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 7.14 below lsd, May 11, 1952; lowest 15.71 below lsd, June 10, 1959. Records available: 1951-66. Measurements for 1951-61 are included below.

## Lowest water level for the day, from recorder graph, 1951

Day	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	.....	.....	.....	.....	8.53	8.12	8.10	8.00	8.18	8.47	8.49	8.38
10	.....	.....	.....	.....	8.37	8.56	7.98	8.72	8.20	8.50	8.42	8.40
15	.....	.....	.....	.....	9.15	8.42	7.90	8.01	8.25	8.52	8.44	.....
20	.....	.....	.....	.....	8.30	8.05	8.49	8.03	8.29	8.57	8.48	.....
25	.....	.....	.....	.....	9.05	8.10	8.52	8.09	9.10	8.60	8.45	8.58
Eom	.....	.....	.....	.....	8.18	8.07	8.69	8.11	8.40	8.55	8.40	.....



440713N0893208.1--Continued.

1952												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	8.62	8.85	9.13	7.65	7.21	7.34	7.53	7.80	8.11	.....	8.90	9.33
10	8.68	8.88	9.15	7.56	7.16	7.42	8.30	7.82	8.90	8.57	9.00	9.40
15	8.68	8.92	9.20	7.54	7.21	7.42	7.61	7.96	8.25	8.64	9.04	9.46
20	8.71	8.96	9.24	7.39	7.24	7.58	7.60	7.95	8.31	8.70	9.12	9.57
25	8.74	9.03	9.11	7.28	7.30	7.50	8.40	8.09	8.36	8.76	9.20	9.65
Eom	8.80	9.07	8.87	7.90	7.35	7.51	8.58	8.02	.....	8.83	9.29	9.68
1953												
5	9.73	.....	10.41	9.00	8.64	8.23	8.70	8.79	9.12	9.45	9.84	10.11
10	.....	10.17	10.43	9.03	8.51	8.21	9.61	8.80	9.18	9.54	9.91	10.19
15	.....	.....	10.11	8.98	8.38	9.09	8.69	8.81	9.20	9.61	9.88	10.29
20	.....	.....	9.72	8.90	8.93	8.27	8.17	9.80	9.26	9.68	9.91	10.30
25	.....	10.28	9.00	8.81	8.20	8.33	8.84	9.64	9.35	9.72	9.99	10.38
Eom	10.06	10.31	9.98	8.72	8.13	8.38	8.80	9.85	9.40	9.80	10.07	10.41
1954												
5	10.53	10.82	11.10	11.40	11.10	10.64	10.47	10.03	10.24	9.70	8.77	.....
10	10.59	10.94	11.15	11.38	11.00	10.60	10.29	10.02	10.28	9.36	8.70	.....
15	.....	.....	11.30	11.49	10.92	11.35	10.70	10.11	10.29	9.20	8.70	.....
20	10.70	11.03	11.34	.....	.....	10.59	.....	10.11	.....	9.05	8.69	.....
25	10.70	11.07	11.39	11.46	.....	10.54	10.15	10.14	.....	8.94	.....	.....
Eom	10.71	11.10	11.40	11.33	10.69	11.38	10.22	10.19	9.85	8.83	.....	.....
1955												
5	.....	.....	.....	9.72	10.24	9.39	.....	10.44	9.86	10.13	10.41	10.75
10	.....	.....	.....	9.72	9.48	9.40	.....	10.44	9.95	10.38	10.46	10.80
15	.....	.....	9.59	9.66	.....	9.83	9.97	10.44	9.92	10.22	10.52	10.86
20	.....	.....	.....	9.62	9.45	.....	10.36	9.74	10.44	10.27	10.58	10.93
25	.....	.....	.....	9.56	9.42	.....	10.42	10.44	10.04	10.32	10.63	10.96
Eom	.....	.....	9.72	9.55	9.40	9.89	9.60	10.44	10.09	10.37	10.71	11.04
1956												
5	11.08	11.39	11.66	10.48	10.76	.....	.....	10.26	10.50	10.71	.....	11.14
10	11.14	11.44	11.68	10.65	10.51	.....	10.87	.....	10.54	10.74	.....	11.18
15	.....	11.50	11.74	10.68	10.35	.....	.....	.....	10.54	.....	.....	.....
20	11.23	11.53	11.79	10.72	10.24	10.31	10.38	.....	10.59	.....	.....	.....
25	11.30	11.57	11.82	10.72	11.19	.....	10.51	.....	10.59	.....	.....	.....
Eom	11.35	11.61	11.87	10.76	9.98	.....	10.35	10.48	10.67	10.88	.....	.....
1957												
5	.....	11.49	11.64	.....	.....	.....	.....	.....	.....	.....	10.93	.....
10	.....	.....	.....	.....	12.29	.....	.....	.....	.....	10.68	.....	.....
15	.....	11.55	11.71	.....	12.15	.....	.....	.....	.....	.....	11.02	.....
20	.....	.....	.....	.....	12.08	.....	.....	.....	.....	10.78	11.05	.....
25	.....	.....	11.78	.....	.....	.....	.....	.....	.....	.....	.....	.....
Eom	11.46	.....	11.83	11.84	.....	.....	.....	.....	11.15	10.89	.....	.....
1958												
5	.....	.....	.....	.....	.....	13.93	13.13	14.02	13.39	.....	.....	.....
10	.....	.....	.....	12.79	12.69	13.87	13.50	13.30	13.43	.....	.....	.....
15	.....	.....	12.62	.....	.....	13.07	13.18	13.43	.....	.....	.....	.....
20	12.38	.....	.....	12.84	.....	.....	.....	13.47	.....	.....	.....	.....
25	12.39	12.55	12.69	12.77	12.97	13.13	14.21	13.50	.....	13.69	13.91	.....
Eom	.....	.....	12.75	12.68	12.94	.....	13.53	.....	.....	13.71	13.92	.....
1959												
5	.....	.....	14.71	14.83	14.48	14.30	13.72	.....	.....	.....	12.82	.....
10	.....	.....	14.73	14.65	14.41	15.71	13.69	13.89	.....	13.71	12.78	12.09
15	.....	.....	14.79	14.56	14.36	13.84	14.00	.....	.....	13.63	12.50	12.04
20	.....	14.60	14.82	14.52	14.30	.....	.....	13.82	13.86	13.63	12.35	12.04
25	.....	.....	14.86	15.34	14.20	.....	13.77	13.98	.....	.....	12.30	12.03
Eom	.....	.....	14.87	14.44	14.06	.....	13.74	.....	13.84	.....	12.27	11.67
1960												
5	.....	.....	.....	12.51	11.73	.....	9.77	10.07	10.21	10.02	.....	.....
10	.....	.....	11.99	12.67	10.83	9.79	.....	10.11	.....	.....	10.18	.....
15	.....	.....	12.04	12.77	10.29	9.76	9.84	10.12	.....	10.01	10.15	10.23
20	.....	.....	12.09	12.83	10.17	9.79	.....	.....	10.34	10.01	.....	.....
25	.....	.....	.....	.....	10.01	9.71	9.94	10.20	10.33	.....	10.16	.....
Eom	.....	.....	12.24	.....	9.90	9.71	10.00	10.17	.....	.....	10.23	10.29
1961												
5	.....	.....	10.72	10.34	9.97	9.68	9.76	10.26	.....	.....	.....	.....
10	.....	10.58	.....	10.30	9.89	.....	.....	10.01	.....	.....	.....	.....
15	10.38	10.60	.....	10.23	9.78	.....	10.08	.....	10.31	.....	.....	.....
20	.....	10.64	.....	.....	.....	.....	.....	10.03	10.31	10.42	.....	.....
25	10.48	.....	10.80	10.08	.....	.....	10.20	10.10	.....	10.40	9.84	.....
Eom	10.50	10.68	.....	10.02	9.68	.....	10.21	.....	.....	.....	9.80	.....
1962												
5	.....	.....	.....	.....	9.13	.....	9.01	9.28	9.60	9.81	9.85	10.03
10	.....	.....	.....	.....	9.07	.....	9.10	9.36	9.62	9.84	9.89	.....
15	.....	10.15	.....	.....	9.03	.....	.....	9.38	9.66	.....	9.90	.....
20	.....	10.18	10.45	.....	8.98	8.84	9.19	9.44	9.70	.....	9.92	10.18
25	.....	10.19	.....	9.28	.....	8.90	9.20	9.52	9.73	9.84	9.99	10.24
Eom	.....	.....	.....	9.18	.....	9.03	9.22	9.57	9.78	9.82	10.02	10.30

440713N0893208, 1--Continued.

1963												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	10.33	.....	10.93	10.69	10.57	10.57	10.72	10.55	10.72	10.97	.....	11.55
10	10.39	.....	10.99	10.64	10.56	10.64	10.81	10.54	10.76	11.01	.....	11.62
15	.....	.....	11.03	10.61	10.55	10.64	10.76	10.57	10.82	.....	.....	11.68
20	.....	10.80	11.11	10.58	10.54	10.61	10.65	10.58	10.85	.....	.....	.....
25	.....	10.83	10.87	10.56	10.55	10.65	10.58	10.71	10.89	.....	11.45	.....
Eom	.....	10.88	10.73	10.57	10.59	10.70	10.52	10.69	10.93	.....	11.51	.....
1964												
5	.....	12.17	12.47	12.75	13.02	13.21	.....	13.72	13.94	14.01	14.11	14.29
10	.....	12.24	12.52	12.81	.....	13.29	13.56	13.83	13.93	14.05	14.14	14.33
15	.....	12.28	12.57	12.86	.....	13.33	13.56	13.88	13.94	14.05	14.15	.....
20	.....	12.33	12.62	12.91	13.14	13.38	13.56	13.91	13.96	14.04	14.19	.....
25	12.06	12.37	12.66	12.95	13.17	13.42	13.63	13.94	13.97	14.05	14.22	.....
Eom	12.12	12.41	12.73	12.99	13.20	13.51	13.68	13.95	14.00	14.08	14.25	.....
1965												
5	.....	14.75	14.23	14.26	14.06	13.78	13.89	14.03	14.13	13.44	12.84	12.90
10	14.55	14.80	14.24	14.36	14.00	13.75	13.89	14.05	14.14	13.28	12.83	12.91
15	14.59	14.82	14.24	14.03	13.96	13.79	13.91	14.10	14.14	13.14	12.82	12.84
20	14.63	14.87	14.24	14.09	13.92	13.82	13.87	14.09	14.08	13.02	12.82	12.83
25	14.67	14.92	14.25	14.11	13.87	13.80	13.92	14.11	13.87	12.93	12.88	12.72
Eom	14.72	14.96	14.25	14.10	13.81	13.82	13.99	14.13	13.62	12.86	12.85	12.63
1966												
5	12.61	.....	.....	.....	.....	.....	.....	.....	.....	11.82	12.09	12.44
10	12.61	.....	.....	.....	.....	.....	.....	.....	.....	11.84	12.12	12.50
15	12.61	.....	.....	.....	.....	.....	.....	.....	.....	11.88	12.18	12.53
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	11.94	12.30	12.57
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	11.98	12.32	12.61
Eom	.....	.....	h11.52	.....	.....	.....	.....	.....	11.78	12.03	12.38	12.68

h Tape measurement.

441414N0890911.1. Local number Wa-20/11/2-53. Oshkosh Council, Boy Scouts of America. Drilled domestic water-table well in sand and gravel of Pleistocene age, diam 6 in, depth 177 ft, cased to 172, screened 172-177. Led 923 ft above msl. MP top of casing, 1.00 ft above lsd. Highest water level 35.45 below lsd, May 18, 1962; lowest 40.41 below lsd, Mar. 4, 1959. Records available: 1956-66.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 15, 1962	36.79	Aug. 15, 1963	37.01	Feb. 19, 1965	39.31	June 21, 1966	36.92
May 18	35.45	Nov. 22	37.19	May 18	38.21	Aug. 19	36.89
Aug. 10	35.80	Feb. 20, 1964	37.69	Aug. 19	37.69	Oct. 6	37.23
Nov. 9	36.31	May 21	37.78	Nov. 17	37.57	Nov. 10	37.49
Feb. 21, 1963	36.86	Sept. 11	38.46	Feb. 17, 1966	36.91	Dec. 15	37.69
May 17	36.28	Dec. 10	38.91	Apr. 21	36.24		

## Winnebago County

440122N0883246.1. Local number Wi-18/16/23-6. City of Oshkosh. Board of Education. Wisconsin Ave. and Algoma Blvd. Drilled unused artesian well in St. Peter Sandstone of Middle Ordovician age, diam 8 in, reported depth 200 ft. Led 765 ft above msl. MP top of 1-in pipe, at lsd (since Aug. 7, 1964). Highest water level 23.65 below lsd, Apr. 8, 1966; lowest 39.75 below lsd, Sept. 1, 1960. Records available: 1950-66. Affected by pumping of nearby wells.

Feb. 9, 1962	36.10	May 3, 1963	37.94	Nov. 6, 1964	30.44	Apr. 8, 1966	23.65
Apr. 11	33.96	Aug. 30	34.86	Feb. 5, 1965	29.55	June 3	26.03
May 11	35.12	Nov. 8	33.48	Apr. 15	27.58	Aug. 4	30.09
Aug. 3	39.52	Feb. 7, 1964	33.28	Aug. 6	29.71	Oct. 4	28.06
Nov. 2	37.37	May 8	39.21	Nov. 10	24.12	Nov. 8	28.33
Feb. 8, 1963	38.61	Aug. 7	33.18	Feb. 4, 1966	25.64	Dec. 13	28.64

## Wood County

443042N0895921.1. Local number Wd-23/4/2-29. Elmer Aschenbrenner. Drilled unused water-table well in sand of Pleistocene age, diam 8 to 6 in, depth 18 ft. MP top of casing, 0.40 ft above lsd. Highest water level 2.86 below lsd, Apr. 23, 1951; lowest 14.42 below lsd, Mar. 23, 1964. Records available: 1944-64. Measurement discontinued.

Jan. 29, 1962	6.35	Oct. 8, 1962	5.72	July 29, 1963	7.19	Apr. 6, 1964	13.99
Feb. 19	6.66	Nov. 26	6.18	Aug. 26	8.35	May 4	11.04
Mar. 5	6.29	Dec. 31	6.65	Sept. 30	9.69	June 29	7.90
Apr. 23	4.49	Jan. 28, 1963	7.70	Oct. 28	10.71	July 27	8.85
May 28	4.82	Feb. 25	8.27	Nov. 25	11.16	Aug. 10	9.14
June 25	5.73	Mar. 4	7.34	Dec. 30	12.40	Sept. 7	8.16
July 30	5.86	Apr. 1	5.42	Jan. 27, 1964	13.11	Oct. 5	6.95
Aug. 13	5.95	May 27	6.24	Feb. 24	13.74	Nov. 30	6.40
Sept. 10	5.70	June 24	6.48	Mar. 23	14.42	Dec. 28	6.95

## Reference

Devaul, R. W., 1967, Trends in ground-water levels in Wisconsin through 1966: Univ. Ext., Wisconsin Geol. and Nat. History Survey Inf. Circ. 9.